



Ontario Energy Board

Smart Meter Model for Electricity Distributors 2015 Filers

Version 5.00

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Date	November 26, 2014
Last COS Re-based Year	2010

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

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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.

Smart Meter Capital Cost and Operational Expense Data

Smart Meter Installation Plan

Actual/Planned number of Smart Meters installed during the Calendar Year

	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	Total
Residential November 26, 2014			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	
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	
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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		2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
1.3 ADVANCED METERING CONTROL COMPUTER (AMCC)	Asset Type	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) <i>(may include AS/400 disk space, backup and recovery computer, UPS, etc.)</i>												\$ -
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 Activation 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 <i>(including repair of damaged equipment)</i>	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 <i>(Please provide a descriptive title and identify nature of beyond minimum functionality costs)</i>	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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2 OM&A Expenses

2.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)

2.1.1 Maintenance (may include meter reverification costs, etc.)

2.1.2 Other (please specify)	Repairs and replacement for defective meters
------------------------------	--

Total Incremental AMCD OM&A Costs

2.2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)

2.2.1 Maintenance

2.2.2 Other (please specify)

Total Incremental AMRC OM&A Costs

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.)

2.5.3 Program Management

2.5.4 Change Management (may include training, etc.)

2.5.5 Administration Costs

2.5.6 Other AMI Expenses

Total Other AMI OM&A Costs Related to Minimum Functionality

TOTAL OM&A COSTS RELATED TO MINIMUM FUNCTIONALITY

2.6. OM&A COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY

2.6 OM&A COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY
(Please provide a descriptive title and identify nature of beyond minimum functionality costs)

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

[illegible]



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2.6.3 Costs for TOU rate implementation, CIS system upgrades, web presentation, integration with the MDM/R, etc.

Total OM&A Costs Beyond Minimum Functionality

Total Smart Meter OM&A Costs

2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
		4,160	8,819	17,462						\$ 30,441
\$ -	\$ -	\$ 4,160	\$ 8,819	\$ 17,462	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,441
\$ -	\$ -	\$ 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	Total
3 Aggregate Smart Meter Costs by Category												
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 Structure¹										
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%
November 26, 2014										
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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Depreciation Rates

(expressed as expected useful life in years)

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
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 straight line basis and has the "half-year" rule applied.

Smart Meter Model for Electricity Distributors 2015 Filers

Net Fixed Assets - Smart Meters

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
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)										
November 26, 2014	\$ -	\$ -	\$ 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	\$ -

[illegible]



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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

Smart Meter Model for Electricity Distributors

For PILs Calculation

UCC - General Equipment

[illegible]

UCC - Applications Software

[illegible]



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										
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	\$ -	\$ -	\$ 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	\$ -	\$ -	\$ 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				Board Approved Smart Meter Funding Adder (from Tariff)
									Interest	Closing Balance	Annual amounts	
2006 Q1			Jan-06	2006	Q1	\$ -		0.00%	\$ -	\$ -		
2006 Q2	4.14%	ember 26, 2005	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
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



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	Board Approved Smart Meter Funding Adder (from Tariff)			
									Interest	Closing Balance	Annual amounts	
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
			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



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)
			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		
			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		



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)
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%	September 26, 2006	Jan-06	2006	Q1	\$ -			\$ -	0.00%	\$ -	\$ -
2006 Q2	4.14%	September 26, 2006	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



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.

Apr-13	2013	Q2	\$	810,149	\$	-	\$	19,121	\$	829,270	1.47%	\$	992	\$	20,657
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

- ☒ Smart Meter Funding Adder (SMFA)
☒ Smart Meter Disposition Rider (SMDR)
 November 26, 2014
☒ Smart Meter Incremental Revenue Requirement Rate Rider (SMIRR)

The SMDR is calculated based on costs to December 31, 2011

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
☒ 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	\$ -	\$ 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	\$ -

Number of Metered Customers (average for 2015 test year)

- 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)

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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

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 Check Row if SMDR/SMIRR apply to class	Residential X	GS < 50 kW X	GS 50 to 4999 kW	Other (please specify)	Total
												%	%	%	%	2
Return on Capital	\$ -	November 26, 2014 \$ -	\$ 2,587.07	\$ 57,351.30	\$ 145,836.33	\$ 194,686.42	\$ 191,855.78	\$ 177,082.71	\$ 163,131.06	\$ 932,530.68	Weighted Meter Cost - Capital Allocated per class	80.00%	22.00%			102%
	\$ -	\$ -	\$ 2,841.03	\$ 55,935.37	\$ 154,730.43	\$ 215,716.13	\$ 228,319.47	\$ 229,455.37	\$ 229,680.27			\$ 746,024.54	\$ 205,156.75	\$ -	\$ -	
Depreciation/Amortization expense and related interest	\$ -	\$ -	\$ 18.92	\$ 247.34	\$ 1,240.88	\$ 5,050.78	\$ 9,016.84	\$ 11,673.59	\$ 14,483.64		Weighted Meter Cost - Capital Allocated per class	80%	22%	0%	0%	102%
	\$ -	\$ -	\$ 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		\$ 926,728.06	\$ 254,850.22	\$ -	\$ -	
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	\$ 174.59	\$ 973.34	\$ 1,806.56		Allocated per class	26,795	1,980	0	0	
	\$ -	\$ -	\$ 7,693.91	\$ 22,008.89	\$ 32,094.34	\$ 29,702.55	\$ 4,594.56	\$ 20,105.34	\$ 30,488.56	\$ 146,688.15		\$ 136,594.57	\$ 10,093.57	\$ 0	\$ 0	
Revenue Requirement before Taxes/PILs										\$ 2,237,628.89		\$ 1,809,347.17	\$ 470,100.54	\$ -	\$ -	-\$41,818.81
											Revenue Requirement before PILs	79.38%	20.62%	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		\$ 134,947.40	\$ 35,061.73	\$ -	\$ -	
Total Revenue Requirement plus interest on OM&A and depreciation expense										\$ 2,407,638.02		\$ 1,944,294.57	\$ 505,162.27	\$ -	\$ -	
											Percentage of costs allocated to each class	79.38%	20.62%	0.00%	0.00%	
											Percentage of costs for classes with SMDR/SMIRR	79.38%	20.62%	0.00%	0.00%	
												%	%	%	%	
											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		-\$ 13,960.12	\$ 369,026.91	\$ -	\$ -	
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	\$ 9.32			
Estimated SMDR Revenues										\$ 356,195.64		-\$ 12,861.60	\$ 369,057.24	\$ -	\$ -	
										-\$ 42,947.66						



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
			%	%	%	%	
Return on Capital	\$ 149,322.68	Weighted Meter Cost - Capital Allocated per class	\$ 80.00% 119,458.14	\$ 22.00% 32,850.99	\$ 0.00% -	\$ 0.00% -	102%
Depreciation/Amortization expense	\$ 217,420.57	Weighted Meter Cost - Capital Allocated per class	\$ 80.00% 173,936.45	\$ 22.00% 47,832.52	\$ 0.00% -	\$ 0.00% -	102%
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	\$ 82,222.48	\$ -	\$ -	-\$ 7,334.86
		Revenue Requirement before PILs	79.26%	20.74%	0.00%	0.00%	100%
Grossed-up Taxes/PILs	\$ 38,504.57		\$ 30,518.71	\$ 7,985.85	\$ -	\$ -	
Total Revenue Requirement for 2013	\$ 427,613.31		\$ 344,739.84	\$ 90,208.33	\$ -	\$ -	
	\$ -	Percentage of costs allocated to each class	79.26%	20.74%	0.00%	0.00%	
		Percentage of costs for classes with SMDR/SMIRR	79.26%	20.74%	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	\$ 3.80			
Estimated SMIRR Revenues	\$ 434,335.80		\$ 344,047.80	\$ 90,288.00	\$ -	\$ -	