



August 8, 2012

**VIA RESS, E-mail, and Courier**

Ontario Energy Board  
P.O. Box 2319  
27<sup>th</sup> Floor  
2300 Yonge Street  
Toronto, Ontario M4P 1E4

Attention: Ms. Kirsten Walli, Board Secretary

Dear Ms. Walli,

**RE: LONDON HYDRO INC.  
APPLICATION FOR SMART METER RECOVERIES  
EFFECTIVE MAY 1, 2012, BOARD FILE NO. EB-2012-0187  
(UPDATED)**

On April 2, 2012, London Hydro Inc. submitted its Smart Meter Recoveries Rate Application and evidence to the Ontario Energy Board for an Order approving just and reasonable rates for distribution of electricity and other charges, effective for May 1, 2012.

In regards to the above referenced matter, London Hydro Inc. received the Board's "Decision and Order" as issued on July 26, 2012, in which the Board directs London Hydro to file a draft Rate Order and supporting material, including all relevant calculations showing the impact of the Decision and Order on London Hydro's class specific smart meter requirements and the determination of the updated SMDRs and SMIRRs. Please find enclosed this required documentation and material.

London Hydro would like to acknowledge the work done by Board Staff as to this rate application. We further acknowledge their work to permit and incorporate the recent change to

Smart Meter Funding Adder (SMFA) calculations. Due to lag in recordings of the SMFA with respect to London's billing system, the month of April 2012 SMFA was not appropriately recorded to the models. Therefore, an amount of \$222,563 in SMFA collected for April 2012, and associated carrying charges of \$817.92, has been updated to models and draft rate order.

An electronic copy of this submission (in PDF format and models in Excel format) will be submitted to the OEB by RESS (e-Filing services) and two hard copies of the submission will be submitted via courier.

We would be pleased to provide any further information or details that you may require relative to this submission.

London Hydro respectfully submits this submission for the Board's consideration and issuance of a final Tariff of Rates and Charges.

Yours truly,

*Original signed by*

Mike Chase  
Director of Finance and Regulatory

cc: David Arnold, Chief Financial Officer, London Hydro  
cc: Mr. Michael Janigan, Council for VECC  
cc: Ms. Shelly Grice, Econalysis Consulting Services

**ONTARIO ENERGY BOARD**

**IN THE MATTER OF** the *Ontario Energy Board Act, 1998, S.O. 1998, c15 (Sched. B)*, as amended;

**AND IN THE MATTER OF** an application by London Hydro Inc. for an Order or Orders pursuant to the *Ontario Energy Boards Act, 1998*, approving or fixing just and reasonable distribution rates and other charges for the distribution of electricity and related matters, effective May 1, 2012.

**Up Dated Draft Rate Order of London Hydro Inc.  
Application for Smart Meter Recoveries - Effective May 1, 2012**

**Introduction**

1. The Applicant is London Hydro Inc. (“London Hydro”). London Hydro is a licensed electricity distributor pursuant to license (ED-2002-0557) issued by the Ontario Energy Board (the “Board”). The Applicant distributes electricity to approximately 150,000 customers within the City of London.
2. On April 2, 2012, London Hydro Inc. (“London Hydro”) submitted its Smart Meter Recoveries Rate Application to the Ontario Energy Board for rates effective May 1, 2012.
3. Subsequently, the Board issued a Letter of Direction and Notice of Application and Hearing on April 18, 2012.
4. As a result of the Notice of Application and Hearing, the Board received one intervention request from the Vulnerable Energy Consumers Coalition (“VECC”).

5. On April 26, 2012, the Board issued an Interim Rate Order making the current approved Tariff of Rates and Charges interim for London Hydro and other distributors with proposed effective dates of May 1, 2012.
6. In compliance with Board procedural order, Board Staff submitted written interrogatories on May 14, 2012 and written interrogatories were received from Vulnerable Energy Consumers Coalition (“VECC”) on May 17, 2012. London Hydro submitted its responses to the interrogatories on May 29, 2012.
7. Submissions from the Board staff were issued to the Board and copies received by London Hydro on June 13, 2012. Submissions from VECC were issued to the Board and copies were received by London Hydro on June 20, 2012. Reply submissions were submitted by London Hydro to the Board, Board staff, and VECC on June 21, 2012.
8. The Board issued its Decision and Order as to London Hydro’s Application on July 17, 2012. The Board directed London Hydro to file a draft Rate Order, and supporting material, including all relevant calculations showing the impact of the Decision and Order on London Hydro’s class specific smart meter requirements and the determination of the updated SMDR and SMIRRs in its draft Rate Order filing.

## **Draft Rate Order**

London Hydro has included with this submission:

- i) Proposed Tariff of Rates and Charges (Appendix A) reflecting the Board’s findings in their Decision and Order
- ii) 2012 Smart Meter Rate Model – Final (Appendix B)
- iii) SM Rate Impacts (Updated) spreadsheets (Appendix C)
- iv) SM SMDR SMIRR calculations spreadsheets (Appendix D)

London Hydro would like to respond to the following matters as addressed by the Board in its Board's Decision and Orders, issued July 17, 2012. They are:

- Treatment of 2012 costs;
- Cost Allocation;
- Stranded Meters;
- Implementation.

### **Treatment of 2012 Costs**

In compliance with the Board's Decision and Order, referenced on page 7, London Hydro acknowledges the following revision as directed by the Board.

*"The Board approves the recovery of the costs for smart meter deployment and operation, with the exception of costs beyond minimum functionality for a trial of 25 polyphase meters".*

The costs attributable to the 25 polyphase meters, as reflected in the original 2012 London Hydro Smart Meter Cost Recovery Application ("Application") is an amount of \$12,800. These costs were originally assigned to 1.6 Capital Costs Beyond Minimum Functionality, 1.6.1 Costs for deployment of smart meter to customers other than residential and small general service (reflected in Table 1 below). In the updated 2012 Smart Meter Rate Model – Final (Appendix A), these costs have been eliminated. There were no forecasted 2012 OM&A costs included in this Application.

The resulting changes to the 2012 smart meter average net book value are from an amount of \$16,866,198 to an amount of \$16,860,012. The change in average net book value is illustrated in Table 2 below. The changes in smart meter revenue requirement is reflected in Table 3, and also incurs adjustments to rate riders associated with realizing carrying charges from date of April 30, 2012 to new final date of August 31, 2012. Additional explanations are provided in the next section.

**London Hydro Inc. Draft Rate Order:  
Smart Meter Rate Application (EB-2012-0187)**

**Table 1: Elimination of Polyphase Meter Costs**

**Elimination of Polyphase Meters**

**Before**

**1.6 CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY**

*(Please provide a descriptive title and identify nature of beyond minimum functionality costs)*

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 MDAR, etc.

Total Capital Costs Beyond Minimum Functionality

Total Smart Meter Capital Costs

	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
Smart Meter								\$ -
Smart Meter							12,800	\$ 12,800
Applications Software				28,821	1,081,822	2,043,123	24,307	\$ 3,178,074
<b>Total Capital Costs Beyond Minimum Functionality</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 28,821</b>	<b>\$ 1,081,822</b>	<b>\$ 2,043,123</b>	<b>\$ 31,107</b>	<b>\$ 3,190,874</b>
<b>Total Smart Meter Capital Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,999,448</b>	<b>\$ 16,262,194</b>	<b>\$ 3,141,854</b>	<b>\$ 511,337</b>	<b>\$ 24,914,693</b>

**After**

**1.6 CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY**

*(Please provide a descriptive title and identify nature of beyond minimum functionality costs)*

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 MDAR, etc.

Total Capital Costs Beyond Minimum Functionality

Total Smart Meter Capital Costs

	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
Smart Meter								\$ -
Smart Meter							0	\$ -
Applications Software				28,821	1,081,822	2,043,123	24,307	\$ 3,178,074
<b>Total Capital Costs Beyond Minimum Functionality</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 28,821</b>	<b>\$ 1,081,822</b>	<b>\$ 2,043,123</b>	<b>\$ 24,307</b>	<b>\$ 3,178,074</b>
<b>Total Smart Meter Capital Costs</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 4,999,448</b>	<b>\$ 16,262,194</b>	<b>\$ 3,141,854</b>	<b>\$ 498,507</b>	<b>\$ 24,982,003</b>

Deletion of \$12,800 associated with 25 Polyphase meters

**Table 2: Elimination of Polyphase Meter Costs-Impact on Net Fixed Assets – Smart Meters Average Net Book Value**

<b>Before</b>							
	2006	2007	2008	2009	2010	2011	2012 and later
<b>Net Fixed Assets - Smart Meters</b>							
<b>Gross Book Value</b>							
Opening Balance		\$ -	\$ -	\$ -	\$ 3,924,372	\$ 18,587,532	\$ 19,454,532
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 3,924,372	\$ 14,663,160	\$ 867,000	\$ 433,300
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 3,924,372	\$ 18,587,532	\$ 19,454,532	\$ 19,887,832
<b>Accumulated Depreciation</b>							
Opening Balance		\$ -	\$ -	\$ -	\$ 130,812	\$ 881,209	\$ 2,149,278
Amortization expense during year	\$ -	\$ -	\$ -	\$ 130,812	\$ 750,397	\$ 1,268,069	\$ 1,311,412
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 130,812	\$ 881,209	\$ 2,149,278	\$ 3,460,690
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 3,793,560	\$ 17,706,323	\$ 17,305,254
Closing Balance	\$ -	\$ -	\$ -	\$ 3,793,560	\$ 17,706,323	\$ 17,305,254	\$ 16,427,142
Average Net Book Value	\$ -	\$ -	\$ -	\$ 1,896,780	\$ 10,749,941	\$ 17,505,789	\$ 16,866,198
<b>After</b>							
	2006	2007	2008	2009	2010	2011	2012 and later
<b>Net Fixed Assets - Smart Meters</b>							
<b>Gross Book Value</b>							
Opening Balance		\$ -	\$ -	\$ -	\$ 3,924,372	\$ 18,587,532	\$ 19,454,532
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 3,924,372	\$ 14,663,160	\$ 867,000	\$ 420,500
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 3,924,372	\$ 18,587,532	\$ 19,454,532	\$ 19,875,032
<b>Accumulated Depreciation</b>							
Opening Balance		\$ -	\$ -	\$ -	\$ 130,812	\$ 881,209	\$ 2,149,278
Amortization expense during year	\$ -	\$ -	\$ -	\$ 130,812	\$ 750,397	\$ 1,268,069	\$ 1,310,985
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 130,812	\$ 881,209	\$ 2,149,278	\$ 3,460,264
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 3,793,560	\$ 17,706,323	\$ 17,305,254
Closing Balance	\$ -	\$ -	\$ -	\$ 3,793,560	\$ 17,705,323	\$ 17,305,254	\$ 16,414,769
Average Net Book Value	\$ -	\$ -	\$ -	\$ 1,896,780	\$ 10,749,941	\$ 17,505,789	\$ 16,660,012

**Cost Allocation**

*Carrying Charge Adjustment*

In the updated 2012 Smart Meter Rate Model – Final (Appendix A), London Hydro has updated the carrying charges recorded for the months of May, June, July, and August 2012. Carrying charges in the original Application totaled **\$196,157.46**. Adding four months carrying charges, plus carrying charges associated with adjustments for SMFA of \$222,563 in increases the

London Hydro Inc. Draft Rate Order:  
Smart Meter Rate Application (EB-2012-0187)

amount of carrying charges to disposition to our customers to an amount of **\$230,026.22**. This adjustment to carrying charges, as well as the elimination of the forecasted 2012 expenditures on polyphase meters is adjusted in the final updated 2012 Smart Meter Rate Model – Final (Appendix A).

**Table 3: Updated 2012 Smart Meter Rate Model –Final (Tab 9. SMFA\_SMDR\_SMIRR)**

**Before**

		2006	2007	2008	2009	2010	2011	2012 and later	Total	
Deferred and forecasted Smart Meter Incremental Revenue Requirement (from Sheet 5)		\$ -	\$ 6,089.49	\$ 103,163.17	\$ 283,623.58	\$ 1,706,818.11	\$ 3,205,603.82	\$ 4,431,524.98	\$ 9,736,623.17	
Interest on Deferred and forecasted O&A and Amortization Expense (Sheet 8A/8B) (Check one of the boxes below)		\$ -	\$ -	\$ 940.83	\$ 1,745.11	\$ 8,850.82	\$ 36,508.50		\$ 48,085.27	
<input checked="" type="checkbox"/>	Sheet 8A (Interest calculated on monthly balances)									
<input type="checkbox"/>	Sheet 8B (Interest calculated on average annual balances)									
SMFA Revenues (from Sheet 8)		\$ 257,849.78	\$ 459,050.87	\$ 465,959.94	\$ 638,149.82	\$ 1,783,106.69	\$ 2,247,788.24	\$ 852,800.00	\$ 6,705,705.35	
SMFA Interest (from Sheet 8)		\$ 2,954.11	\$ 22,478.25	\$ 36,197.69	\$ 15,038.52	\$ 22,438.73	\$ 66,805.90	\$ 46,675.24	\$ 212,586.44	
Net Deferred Revenue Requirement		-\$ 280,803.89	-\$ 475,437.63	-\$ 398,053.62	-\$ 368,819.65	-\$ 89,836.49	\$ 927,518.18	\$ 3,532,049.74	\$ 2,868,616.65	
Number of Metered Customers (average for 2012 test year)									146843.5	
Calculation of Smart Meter Disposition Rider (per metered customer per month)										
Years for collection or refunding		1								
Deferred Incremental Revenue Requirement from 2006 to December 31, 2011 plus Interest on O&A and Amortization		\$ 5,353,383.45								
SMFA Revenues collected from 2006 to 2012 test year (inclusive) Plus Simple Interest on SMFA Revenues		\$ 6,918,291.79								
Net Deferred Revenue Requirement		-\$ 1,564,908.34								
SMDR May 1, 2012 to April 30, 2013		-\$ 0.89		} Match						
Check Forecasted SMDR Revenues		-\$ 1,568,152.58								
Calculation of Smart Meter Incremental Revenue Requirement Rate Rider (per metered customer per month)										
Incremental Revenue Requirement for 2012		\$ 4,431,524.98								
SMIRR		\$ 2.52		} Match						
Check Forecasted SMIRR Revenues		\$ 4,434,459.44								



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**After**

	2006	2007	2008	2009	2010	2011	2012 and later	Total	
Deferred and forecasted Smart Meter Incremental Revenue Requirement (from Sheet 5)	\$ -	\$ 6,084.73	\$ 103,114.90	\$ 278,826.86	\$ 1,706,818.11	\$ 3,205,683.82	\$ 4,430,648.75	\$ 9,731,097.18	
Interest on Deferred and forecasted O&A and Amortization Expense (Sheet 8A&E) \$ (Check one of the boxes below)	\$ -	\$ -	\$ 940.83	\$ 1,745.11	\$ 6,690.82	\$ 36,508.50	\$ 49,142.72	\$ 88,227.39	
<input checked="" type="checkbox"/> Sheet 8A (Interest calculated on monthly balances)	\$ -	\$ -	\$ 940.83	\$ 1,745.11	\$ 6,690.82	\$ 36,508.50	\$ 49,142.72	\$ 88,227.39	
<input type="checkbox"/> Sheet 8B (Interest calculated on average annual balances)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
SMFA Revenues (from Sheet 6)	\$ 257,849.78	\$ 459,650.87	\$ 465,959.94	\$ 639,149.82	\$ 1,783,106.69	\$ 2,247,768.24	\$ 1,114,726.47	\$ 6,967,631.82	
SMFA Interest (from Sheet 8)	\$ 2,954.11	\$ 22,476.25	\$ 36,197.69	\$ 15,038.52	\$ 22,438.73	\$ 66,865.90	\$ 64,115.02	\$ 230,026.22	
Net Deferred Revenue Requirement	-\$ 260,803.89	-\$ 475,442.39	-\$ 398,101.90	-\$ 373,616.36	-\$ 89,836.49	\$ 927,518.18	\$ 3,291,949.38	\$ 2,621,666.53	
Number of Metered Customers (average for 2012 test year)							148643.5		
<b>Calculation of Smart Meter Disposition Rider (per metered customer per month)</b>									
Years for collection or refunding	1								
Deferred Incremental Revenue Requirement from 2006 to December 31, 2011	\$ 5,388,675.82								
plus Interest on O&A and Amortization									
SMFA Revenues collected from 2006 to 2012 test year (inclusive)	\$ 7,197,658.04								
Plus Simple Interest on SMFA Revenues									
Net Deferred Revenue Requirement	-\$ 1,808,982.22								
SMDR	May 1, 2012 to April 30, 2013	-\$ 1.03							Match
Check: Forecasted SMDR Revenues	-\$ 1,812,513.66								
<b>Calculation of Smart Meter Incremental Revenue Requirement Rate Rider (per metered customer per month)</b>									
Incremental Revenue Requirement for 2012	\$ 4,430,648.75								
SMDR	\$ 2.52								Match
Check: Forecasted SMDR Revenues	\$ 4,434,489.44								

**Allocation of the SMFA**

In compliance with the Board's Decision and Order, as referenced on page 8, London Hydro acknowledges the following revision as directed by the Board.

London Hydro Inc. Draft Rate Order:  
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"The Board notes London Hydro's agreement and approves the revised allocation methodology for the SMFA revenues based on a direct allocation of SMFA revenues as billed for the Residential, GS < 50 kW customer classes".

Further, London Hydro also acknowledges the following revision as directed by the Board, again on page 8 of the Board's Decision and Order.

"Any SMFA revenues collected from customers in the GS > 50 kW and Large Use classes are to be evenly divided between the Residential and GS < 50 kW classes".

**Table 4: Updated Cost Allocation for SMDR**

	2007	2008	2009	2010	2011	2012	Total 2009 to 2011	Explanation Allocators	ID and Factors	Total	Residential	General Service Less than
<b>for the Historical Years</b>	\$5,084.73	\$103,114.90	\$278,826.86	\$1,106,818.11	\$3,205,663.82		\$5,399,448.43					
<b>Total Return on Capital</b>	\$66.13	\$1,109.92	\$16,512.56	\$836,393.03	\$1,384,326.89		\$2,384,998.53	Weighted Meter - Capital	CVMC	100.00%	82.13%	17.87%
<b>Amortization and Interest Expense</b>	\$0.00	\$940.83	\$153,599.36	\$813,772.96	\$1,978,608.72	\$40,421.22	\$2,987,063.99	Weighted Meter - Capital	CVMC	100.00%	82.13%	17.87%
<b>Operating Expenses</b>	\$5,398.00	\$101,710.00	\$113,348.02	\$422,882.26	\$162,770.95		\$906,711.23	Number of Smart Meters installed for each Class		146,437	134,658	11,779
<b>Grossed-up Taxes/FRLs</b>	\$20.60	\$293.98	-\$147,888.97	-\$357,339.32	-\$284,194.23		-\$789,107.94	Revenue Requirement allocated to each Class before		\$6,177,783.75	\$5,152,988.81	\$1,024,794.94
								Allocated per Class		-\$789,107.94	-\$58,207.62	-\$130,900.31
										<b>Total</b>	<b>Residential</b>	<b>General Service Less than</b>
<b>TOTAL REVENUE REQUIREMENT</b>					\$5,389,675.92		\$5,389,675.92	\$4,494,781.18	\$893,894.63			
								Residential and GS < 50 kW customer	100.00%	83.41%	16.59%	
								Revenue Generated from Smart Meter Funding Adder		\$7,197,659.04		
								SMFA Revenues directly attributable to class		90.73%	8.16%	
								classes) attributed evenly		0.55%	0.55%	
								Total		91.28%	8.72%	
								Revenues Generated from SMFA including carry charges		\$7,197,659.04	\$6,570,121.05	\$627,538.99
								Net Deferred Revenue Requirement		-\$1,998,982.22		
								Allocated per Class		-\$1,998,982.22	-\$2,075,339.87	\$266,357.65
								Accommodate within SMDR applicable revenue requirement amounts to be recovered through the SMFRR related to the				
								Period from May 1, 2012 to August 30, 2012		4 months of total SMFRR	\$1,234,328.70	\$241,954.22
								Total for Application by Class		-\$840,411.17	\$506,311.97	
								Number of Metered Custom (IQ2012)		125,101	11,986	
								Smart Meter Disposition Rate Rider		-\$0.82	\$3.63	
								Apportioned Rates for 8 Months		-\$	0.78	\$
								September 1, 12 to April 30, 13				

London Hydro Inc. Draft Rate Order:  
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Year	Number of customers			Actual SMFA Revenues				Carrying Charges				Total				
	Residential	GS < 50 kW	Metered Customer	Residential	GS < 50 kW	Other Metered Customer Classes	Total	Residential	GS < 50 kW	Customer Charges	Total	Residential	GS < 50 kW	Customer Classes	Total	
2006	126,817	11,875	1,620	\$ 233,045.67	\$ 21,654.62	\$ 2,949.50	\$ 257,649.78	\$ 2,669.94	\$ 250.36	\$ 93.75	\$ 2,954.11	\$ 2,954.11	\$ 235,715.61	\$ 22,105.00	\$ 2,983.29	\$ 260,628.99
2007	128,765	11,918	1,553	\$ 415,248.75	\$ 36,613.87	\$ 5,168.25	\$ 455,050.87	\$ 20,331.59	\$ 1,890.63	\$ 154.09	\$ 22,476.35	\$ 22,476.35	\$ 435,580.34	\$ 40,504.50	\$ 5,641.28	\$ 481,527.12
2008	136,516	11,952	1,605	\$ 422,799.16	\$ 38,989.22	\$ 5,171.46	\$ 465,959.94	\$ 21,767.11	\$ 3,028.84	\$ 401.74	\$ 25,197.69	\$ 25,197.69	\$ 454,566.36	\$ 42,018.07	\$ 5,573.20	\$ 502,157.63
2009	131,729	12,913	1,650	\$ 579,210.85	\$ 52,671.01	\$ 7,267.95	\$ 639,149.82	\$ 13,629.22	\$ 1,139.29	\$ 170.01	\$ 15,038.52	\$ 15,038.52	\$ 592,839.07	\$ 53,910.31	\$ 7,438.96	\$ 654,188.34
2010	133,452	11,897	1,625	\$ 1,618,192.48	\$ 145,186.57	\$ 19,727.65	\$ 1,783,106.69	\$ 20,363.44	\$ 1,827.04	\$ 246.25	\$ 22,436.73	\$ 22,436.73	\$ 1,638,555.91	\$ 147,013.60	\$ 19,975.90	\$ 1,805,545.42
2011	134,714	11,962	1,555	\$ 2,042,192.87	\$ 180,907.77	\$ 24,687.59	\$ 2,247,768.24	\$ 60,655.46	\$ 5,376.71	\$ 735.73	\$ 66,665.90	\$ 66,665.90	\$ 1,102,888.33	\$ 186,284.48	\$ 25,421.33	\$ 1,314,594.14
2012 (to April 30th 2012)	135,101	11,536	1,620	\$ 1,011,925.20	\$ 90,612.73	\$ 12,388.40	\$ 1,114,726.33	\$ 27,456.92	\$ 2,458.63	\$ 350.71	\$ 30,246.26	\$ 30,246.26	\$ 1,089,302.12	\$ 93,071.36	\$ 12,519.11	\$ 1,194,892.59
2012 (May 1 to August 31)				\$ -	\$ -	\$ -	\$ -	\$ 20,728.56	\$ 2,765.04	\$ 375.17	\$ 23,668.76	\$ 23,668.76	\$ 30,728.56	\$ 2,765.04	\$ 375.17	\$ 33,658.75
				\$ 6,321,515.08	\$ 568,935.20	\$ 77,000.00	\$ 6,967,450.28	\$ 208,641.23	\$ 18,635.56	\$ 2,548.43	\$ 230,026.22	\$ 230,026.22	\$ 6,530,256.31	\$ 587,672.26	\$ 79,719.23	\$ 7,187,657.90
				90.73%	8.16%	0.10%	100.00%					90.73%	8.16%	0.00%	1.11%	100.00%
				50.00%	50.00%							50.00%	50.00%			
				0.554%	0.554%							0.554%	0.554%			
				91.28%	6.72%							91.28%	8.72%			

London Hydro, as reflected in Table 4, has complied with the Board Decision to use a revised allocation methodology for the SMFA revenues by basing on a direct allocation of SMFA revenues as billed for the Residential and GS < 50 kW customer classes. Total SMFA collected of **\$6,967,632** and Total Carrying Charges for disposition to the customer of **\$230,026** tally **\$7,197,658**. This total has been allocated to Residential **\$6,570,121** and GS < 50 kW **\$627,537**, and has been applied against the Revenue Requirement determined for each of these customer classes. As per Board Decision, “the amount of SMFA revenues collected from customers in the GS > 50 kW and Large Use classes, as well as other non-Residential and GS < 50 kW customer classes have been evenly divided between the Residential and GS < 50 kW classes”. The pooled amount of SMFA collected and Carrying Charges for disposition to the customer from non-Residential and GS < 50 kW customer classes totals **\$79,729**.

### **Stranded Meters**

Contained in the Board Decision is approval, under Guideline G-2011-0001 for London Hydro to defer disposition of its stranded meters until its next rebasing application.

London Hydro confirms that it will seek recovery of the December 31, 2012 stranded meters net book value of \$3,153,415, in its next rebasing rate application scheduled for 2013 rates.

### **Implementation**

London Hydro requested in its original Application for an implementation date of May 1, 2012 for the new rate riders. In the Board Decision, page 9, London Hydro is directed:

*“Board has determined that an implementation date of September 1, 2012 is appropriate. In developing its draft Rate Order, London Hydro is directed to establish the SMDRs based on an 8-month recovery period to April 30, 2013 and to accommodate within the SMDR the applicable revenue requirement amounts to be recovered through the SMIRR related to the period from May 1, 2012 to August 30, 2012.”*

As reflected in Table 5 below, an amount of \$1,234,928 has been allocated to SMDR Residential and an amount of \$241,954 has been allocated to SMDR GS < 50 kW class. These amounts represent four months SMIRR Revenue Requirement. Therefore, as reflected by this adjustment, SMIRR recoveries for the months of May through to the end of August have been applied to the SMDR recovery / disposition balances.

Also reflected in Table 5 are calculations for the pro-rating of SMDR rates from an annual rate rider to eight-month rates, permitting the recoveries of the SMDR balance during the months of September 1, 2012 through to April 30, 2013. The resulting SMDR rate riders effective for May 1, 2012, with an implementation date September 1, 2012 are Residential **(\$0.78)** per month per customer and GS < 50 kW class \$5.30 per month per customer. The sunset date for these rates is April 30, 2013.

**Table 5: Allocation of Four Months SMIRR to SMDR Balances**

Revenues Generated from SMFA including carry charges	\$7,197,658.04	SMFA Actual upto April 30, 12	\$ 6,570,121.05	\$627,536.99
Net Deferred Revenue Requirement	-51,808,982.22			
Allocated per Class		-51,808,982.22	-52,075,339.87	\$266,357.65
Accommodate within SMDR applicable revenue requirement amounts to be recovered through the SMIRR related to the				
Period from May 1, 2012 to August 30, 2012				
		4 months of total SMIRR	\$1,234,928.70	\$241,954.22
		Total for Application by Class	-\$840,411.17	\$508,311.87
		Number of Metered Customers (1Q2012)	135,101	11,986
		Smart Meter Disposition Rate Rider	-\$0.52	\$3.53
		Apportioned Rates for 8 Months September 1 12 to April 30 13	-\$ 0.78	\$ 5.30

Smart Meter Incremental Rate Rider (SMIRR) by Rate Class			
	Residential	GS < 50 kW	Total
<b>Revenue Requirement (2012) Allocated:</b>			
Return (Deemed Interest and Return on Equity)	\$ 1,125,087	\$ 248,528	\$ 1,373,615
Amortization	\$ 1,814,348	\$ 400,784	\$ 2,215,132
OM&A	\$ 685,161	\$ 60,839	\$ 746,000
Total Before PILS	\$ 3,624,596	\$ 710,151	\$ 4,334,747
PILS	\$ 80,191	\$ 15,711	\$ 95,902
Total Revenue Requirement Allocated	\$ 3,704,786	\$ 725,863	\$ 4,430,649

Per Month Collection	\$ 308,732	\$ 60,489	
Period from May 1, 2012 to August 30, 2012			
4 Months apply	\$ 1,234,929	\$ 241,954	\$ 1,476,883

**Table 6: Smart Meter Incremental Rate Rider (SMIRR)**

Smart Meter Incremental Rate Rider (SMIRR) by Rate Class			
	Residential	GS < 50 kW	Total
<b>Allocation Factors</b>			
Average Smart Meter Unit Cost	\$ 100.84	\$ 250.86	
Smart Meter Cost	\$ 13,584,560	\$ 3,000,787	\$ 16,585,347
Allocation by Meters Costs	81.91%	18.09%	100.00%
Meters Installed	134,714	11,962	146,676
Allocation by Meters Installed	91.84%	8.16%	100.00%
Total Before PILS	\$ 3,624,596	\$ 710,151	\$ 4,334,747
Allocation by Total Before PILS	83.62%	16.38%	100.00%
<b>Revenue Requirement (2012) Allocated</b>			
Return (Deemed Interest and Return on Equity)	\$ 1,125,087	\$ 248,528	\$ 1,373,615
Amortization	\$ 1,814,348	\$ 400,784	\$ 2,215,132
OM&A	\$ 685,161	\$ 60,839	\$ 746,000
Total Before PILS	\$ 3,624,596	\$ 710,151	\$ 4,334,747
PILS	\$ 80,191	\$ 15,711	\$ 95,902
Total Revenue Requirement Allocated	\$ 3,704,786	\$ 725,863	\$ 4,430,649
<b>Smart Meter Incremental Rate Rider (SMIRR) Recovery</b>			
Meters Installed (Average)	134,764	11,880	146,644
Recovery	\$ 2.30	\$ 5.10	\$ 2.52
Monthly Recovery	\$ 308,732	\$ 60,489	\$ 369,221
Recovery May 1 to August 31, 12	\$ 1,234,929	\$ 241,954	\$ 1,476,883
Recovery September 1, 2012 to April 30, 2013	\$ 2,469,857	\$ 483,908	\$ 2,953,766
	\$ 3,704,786	\$ 725,863	\$ 4,430,649
<b>SMIRR for September 1, 2012 through April 30, 2012</b>			
<b>Smart Meter Incremental Rate Rider (SMIRR) Recovery</b>			
Meters Installed (Average)	134,764	11,880	146,644
Recovery	\$ 2.30	\$ 5.10	\$ 2.52

In compliance with the Board's Decision and Order, referenced on page 9, London Hydro acknowledges the following as directed by the Board.

*"The SMIRR shall be effective and implemented on September 1, 2012. The Board notes that these rate riders are based on an annual revenue requirement and will be in effect until the effective date of London Hydro's next cost of service rate order."*

Table 6 reflects calculation for the SMIRR rate riders which shall be effective and implemented on September 1, 2012. As recorded in the Draft Rate Order (Appendix A), the SMIRR rate riders

are Residential \$2.30 per month per customer and GS < 50 kW class \$5.10 per month per customer. These rates will be in effect until London Hydro's next cost of service which is scheduled for 2013 rates.

London Hydro respectfully requests that the Board approve the revised proposed riders of SMDR Residential (\$0.78) per month, GS < 50 kW of \$5.30 per month, SMIRR Residential \$2.30 per month and GS < 50 kW of \$5.10 per month. That final approved SMDR rate rider is adjusted for the recoveries SMDR accounts with a recommended sunset date of April 30, 2013. The final approved SMIRR rate rider is adjusted for the recoveries SMIRR accounts with a recommended effect until the effective date of the next cost of service rate order.

**All of which is respectfully submitted**

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## Appendix A: Proposed Tariff of Rate and Charges



**London Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date September 1, 2012**

**This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors**

EB-2012-0187

**RESIDENTIAL SERVICE CLASSIFICATION**

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. Multi-unit residential establishments such as apartment buildings supplied through one service (bulk meter) shall be classified as General Service. Where electricity service is provided to combined residential and business (including agricultural) usage and the wiring does not provide for separate metering, the classification shall be at the discretion of London Hydro and should be based on such considerations as the estimated predominant consumption. Further servicing details are available in London Hydro's Conditions of Service

**APPLICATION**

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

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

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

**MONTHLY RATES AND CHARGES – Delivery Component**

Service Charge	\$	12.72
Rate Rider Smart Meter Disposition (SMDR) -effective until April 30, 2013	\$	(0.78)
Rate Rider for Smart Meter Incremental Revenue Requirement (SMIRR) –in effect until the effective date of the next cost of service rate order	\$	2.30
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) Recovery -effective until April 30, 2013	\$/kWh	0.00004
Distribution Volumetric Rate	\$/kWh	0.0143
Rate Rider for Tax Change – effective until April 30, 2013	\$/kWh	(0.0004)
Rate Rider for Deferral/Variance Account Disposition (2012)- effective until April 30, 2014	\$/kWh	(0.0010)
Rate Rider for Global Adjustment Sub-Account (2012) –Applicable only for Non-RPP Customers -effective until April 30, 2014	\$/kWh	(0.0004)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0070
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0053

**MONTHLY RATES AND CHARGES – Regulatory Component**

Wholesale Market Service Rate	\$/Kwh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

**London Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date September 1, 2012**

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EB-2012-0187

**GENERAL SERVICE LESS THAN 50 kW SERVICE CLASSIFICATION**

This classification applies to a non- residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Multi-unit residential establishments such as apartment buildings supplied through one service (bulk meter) shall be classified as General Service. Where electricity service is provided to combined residential and business (including agricultural) usage and the wiring does not provide for separate metering, the classification shall be at the discretion of London Hydro and should be based on such considerations as the estimated predominant consumption. Further servicing details are available in London Hydro's Conditions of Service

**APPLICATION**

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

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

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

**MONTHLY RATES AND CHARGES – Delivery Component**

Service Charge	\$	29.58
Rate Rider Smart Meter Disposition (SMDR) -effective until April 30, 2013	\$	5.30
Rate Rider for Smart Meter Incremental Revenue Requirement (SMIRR) -in effect until the effective date of the next cost of service rate order	\$	5.10
Distribution Volumetric Rate	\$/kWh	0.0092
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) Recovery -effective until April 30, 2013	\$/kWh	0.00022
Rate Rider for Tax Change – effective until April 30, 2013	\$/kWh	(0.0002)
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2014	\$/kWh	(0.0010)
Rate Rider for Global Adjustment Sub-Account (2012) –Applicable only for Non-RPP		

Customers -effective until April 30, 2014	\$/kWh	(0.0004)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0065
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0046

**MONTHLY RATES AND CHARGES – Regulatory Component**

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

in effect until the effective date of the next cost of service-based rate order

**London Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date September 1, 2012**

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EB-2012-0187

**GENERAL SERVICE 50 to 4,999 kW SERVICE CLASSIFICATION**

This classification applies to a non residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Note that for the determination of the billing demand and the application of the Retail Transmission Rate – Network Service Rate and the Retail Transmission Rate – Line and Transformation Connection Service Rate the following sub-classifications apply:

- General Service 50 to 199 kW non-interval metered
- General Service 50 to 4,999 kW interval metered.

Further servicing details are available in London Hydro's Conditions of Service

**APPLICATION**

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

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

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

**MONTHLY RATES AND CHARGES – Delivery Component**

Service Charge	\$	292.71
Distribution Volumetric Rate	\$/kW	1.6223
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) Recovery -effective until April 30, 2013	\$/kW	0.00482
Rate Rider for Tax Change – effective until April 30, 2013	\$/kW	(0.0362)
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2014	\$/kW	(0.3641)
Rate Rider for Global Adjustment Sub-Account (2012) –Applicable only for Non-RPP Customers -effective until April 30, 2014	\$/kW	(0.1521)
Retail Transmission Rate – Network Service Rate	\$/kW	2.2917
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.7172
Retail Transmission Rate – Network Service Rate – Interval Metered	\$/kW	2.9388
Retail Transmission Rate – Line and Transformation Connection Service Rate – Interval Metered	\$/kW	2.3929

**MONTHLY RATES AND CHARGES – Regulatory Component**

Wholesale Market Service Rate	\$/Kwh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

**London Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2012-0187

**GENERAL SERVICE 1,000 to 4,999 kW (Co-Generation) SERVICE CLASSIFICATION**

Embedded generation, co-generation or load displacement customers have the option to reserve demand capacity on the London Hydro distribution system for import load through mutual agreement/contract. For the embedded generation customers with a gross peak demand annual average of less than 1,000 kW and equal to or greater than 50 kW per month, the General Service 50 to 4,999 kW distribution rates will be applied, as long as there is no requirement for reserve capacity from the customer. For the embedded generation customers with a gross peak demand annual average of less than 50 kW per month, the General Service Less Than 50 kW distribution rates will be applied, as long as there is no requirement for reserve capacity from the customer. Further servicing details are available in London Hydro's Conditions of Service.

**APPLICATION**

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

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**MONTHLY RATES AND CHARGES – Delivery Component**

Service Charge	\$	2296.39
Distribution Volumetric Rate	\$/kW	4.0062
Rate Rider for Tax Change – effective until April 30, 2013	\$/kW	(0.0714)
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2014	\$/kW	(0.7547)
Retail Transmission Rate – Network Service Rate	\$/kW	3.3926
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.5312

**MONTHLY RATES AND CHARGES – Regulatory Component**

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

**London Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2012-0187

**LARGE USE SERVICE CLASSIFICATION**

This classification applies to an account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 5,000 kW. Further servicing details are available in London Hydro's Conditions of Service.

**APPLICATION**

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

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**MONTHLY RATES AND CHARGES – Delivery Component**

Service Charge	\$	20638.79
Distribution Volumetric Rate	\$/kW	2.2792
Rate Rider for Lost Revenue Adjustment Mechanism (LRAM) Recovery -effective until April 30, 2013	\$/kW	0.00011
Rate Rider for Tax Change – effective until April 30, 2013	\$/kW	(0.0511)
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2014	\$/kW	(0.4705)
Rate Rider for Global Adjustment Sub-Account (2012) –Applicable only for Non-RPP Customers -effective until April 30, 2014	\$/kW	(0.1970)
Retail Transmission Rate – Network Service Rate	\$/kW	3.0104
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	2.3929

**MONTHLY RATES AND CHARGES – Regulatory Component**

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



**London Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
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EB-2012-0187

**UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION**

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information /documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Further servicing details are available in London Hydro's Conditions of Service

**APPLICATION**

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

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

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

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**MONTHLY RATES AND CHARGES – Delivery Component**

Service Charge (per connection)	\$	1.42
Distribution Volumetric Rate	\$/kWh	0.0118
Rate Rider for Tax Change – effective until April 30, 2013	\$/kWh	(0.0002)
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2014	\$/kWh	(0.0009)
Rate Rider for Global Adjustment Sub-Account (2012) –Applicable only for Non-RPP Customers -effective until April 30, 2014	\$/kWh	(0.0004)
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0065
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0046

**MONTHLY RATES AND CHARGES – Regulatory Component**

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

**London Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date September 1, 2012**

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EB-2012-0187

**This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors**

EB-2011-0181

## **STANDBY POWER SERVICE CLASSIFICATION**

This classification refers to an account that has Load Displacement Generation and requires London Hydro to provide back-up service. The distribution Standby Power rate will be applied to all monthly kW's reserved. Further servicing details are available in London Hydro's Conditions of Service

## **APPLICATION**

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

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

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

## **MONTHLY RATES AND CHARGES – APPROVED ON AN INTERIM BASIS**

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

\$/kW 2.3942

Rate Rider for Tax Change – effective until April 30, 2013

\$/kW (0.029)

Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2014

\$/kW (0.0108)

**London Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date September 1, 2012**

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EB-2012-0187

**SENTINEL LIGHTING SERVICE CLASSIFICATION**

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

**APPLICATION**

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

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

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**MONTHLY RATES AND CHARGES – Delivery Component**

Service Charge (per connection)	\$	3.14
Distribution Volumetric Rate	\$/kW	10.1362
Rate Rider for Tax Change – effective until April 30, 2013	\$/kW	(0.2659)
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2014	\$/kW	(0.3763)
Retail Transmission Rate – Network Service Rate	\$/kW	2.0206
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.5140

**MONTHLY RATES AND CHARGES – Regulatory Component**

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

**London Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
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EB-2012-0187

**STREET LIGHTING SERVICE CLASSIFICATION**

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved OEB street lighting load shape template. Further servicing details are available in London Hydro's Conditions of Service.

**APPLICATION**

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

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

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**MONTHLY RATES AND CHARGES – Delivery Component**

Service Charge (per connection)	\$	1.39
Distribution Volumetric Rate	\$/kW	7.1102
Rate Rider for Tax Change – effective until April 30, 2013	\$/kW	(0.1892)
Rate Rider for Deferral/Variance Account Disposition (2012) - effective until April 30, 2014	\$/kW	(0.3536)
Rate Rider for Global Adjustment Sub-Account (2012) –Applicable only for Non-RPP Customers	\$/kW	(0.1343)
Retail Transmission Rate – Network Service Rate	\$/kW	2.0179
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.5121

**MONTHLY RATES AND CHARGES – Regulatory Component**

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0011

**London Hydro Inc.  
TARIFF OF RATES AND CHARGES  
Effective Date May 1, 2012  
Implementation Date September 1, 2012**

**This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors**

EB-2012-0187

**microFIT GENERATOR SERVICE CLASSIFICATION**

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

**APPLICATION**

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

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

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

**MONTHLY RATES AND CHARGES – Delivery Component**

Service Charge

\$

5.25

**London Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date September 1, 2012**

**This schedule supersedes and replaces all previously approved schedules of Rates, Charges and Loss Factors**

EB-2012-0187

**ALLOWANCES**

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.60)
Primary Metering Allowance for transformer losses – applied to measured demand and energy	%	(1.00)

**SPECIFIC SERVICE CHARGES**

**APPLICATION**

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

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

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

<b>Customer Administration</b>		
Easement letter	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Returned Cheque (plus bank charges)	\$	15.00
<b>Non-Payment of Account</b>		
Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Collection of Account Charge – No Disconnection	\$	10.00
Disconnect/Reconnect at meter – During regular hours	\$	35.00
Disconnect/Reconnect at meter – After regular hours	\$	185.00
Disconnect/Reconnect at Pole – During regular hours	\$	185.00

Disconnect/Reconnect at Pole – After regular hours	\$	415.00
Meter Interrogation Charge	\$	5.50
Special Meter Reads	\$	30.00
Install/Remove load control device – During regular hours	\$	65.00
Install/Remove load control device – After regular hours	\$	185.00
Temporary Service install & remove – overhead – no transformer	\$	500.00
Temporary Service install & remove – underground – no transformer	\$	300.00
Service Call – After regular hours	\$	165.00
Specific Charge for Access to the Power Poles – per pole/year	\$	22.35

**London Hydro Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective Date May 1, 2012**  
**Implementation Date September 1, 2012**

**This schedule supersedes and replaces all previously  
approved schedules of Rates, Charges and Loss Factors**

EB-2012-0187

**RETAIL SERVICE CHARGES (if applicable)**

**APPLICATION**

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

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

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

It should be noted that this schedule does not list any charges or assessments that are required by law to be charged by a distributor and that are not subject to Board approval, such as the Debt Retirement Charge, charges for Ministry of Energy Conservation and Renewable Energy Program, the Provincial Benefit and any applicable taxes.

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

One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing credit, per customer, per retailer	\$/cust.	(0.30)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50

Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party

Up to twice a year

More than twice a year, per request (plus incremental delivery costs)

no charge  
\$ 2.00

### LOSS FACTORS

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

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0409
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0141
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0305
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0041



**Appendix B: 2012 Smart Meter Rate Model -Final**





Ontario Energy Board  
Smart Meter Model

Choose Your Utility:

Application Contact Information

**Name:**   
**Title:**   
**Phone Number:**   
**Email Address:**   
**We are applying for rates effective:**   
**Last COS Re-based Year**

Legend

Copyright

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

*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.*



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 OMAA costs in revenue requirement.

For 2012, distributors that have completed their deployments by the end of 2011 are not expected to enter any capital costs. However, for OMAA regardless of whether a distributor has deployments in 2012, distributors should enter the forecasted OMAA for 2012 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	2007	2008	2009	2010	2011	2012 and later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
Residential	0	0	0	7,462	125,078	2,118	211	134,869
General Service < 50 kW	0	0	0	5	4,592	6,882	202	11,981
Actual/Planned number of Smart Meters installed (Residential and GS < 50 kW only)	0	0	0	7,467	129,670	9,000	413	146,950
Percentage of Residential and GS < 50 kW Smart Meter Installations Completed	0.00%	0.00%	0.00%	5.08%	93.59%	99.72%	100.00%	100.00%
Actual/Planned number of GS > 50 kW meters installed	0	0	0	7,467	129,670	9,000	433	146,970
Other (please identify)	0	0	0	0	0	0	0	0
Total Number of Smart Meters installed or planned to be installed	0	0	0	7,467	129,670	9,000	433	146,970

1 Capital Costs

1.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)

Asset Type  
Asset type must be  
red calculated

	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast
Smart Meter	0	0	0	1,712,963	12,336,995	355,472	\$ 14,405,430
Smart Meter	0	0	0	170,001	1,487,529	441,740	\$ 2,128,270
Tools & Equipment	0	0	0	22,584	1,440	1,276	\$ 25,300
1.1.3a Workforce Automation Hardware (may include software, handhelds, barcode hardware, etc.)	0	0	0	0	0	0	\$ -
1.1.3b Workforce Automation Software (may include software, handhelds, barcode hardware, etc.)	0	0	0	1,905,548	13,826,064	798,488	\$ 18,530,000
Total Advanced Metering Communication Devices (AMCD)	0	0	0	1,905,548	13,826,064	798,488	\$ 18,530,000

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

Asset Type

	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast
Smart Meter	0	0	0	1,239,678	0	0	\$ 1,239,678
Smart Meter	0	0	0	572,729	305,049	44,720	\$ 966,098
Other Equipment	0	0	0	332,544	179,986	6,627	\$ 571,956
Total Advanced Metering Regional Collector (AMRC) (includes LAN)	0	0	0	2,144,951	484,135	51,347	\$ 2,787,732

regardless of whether a distributor has deployments in 2012, distributors should enter the forecasted OMSA for 2012 for all smart meters in service.

**Smart Meter Capital Cost and Operational Expense Data**

Asset Type	2006		2007		2008		2009		2010		2011		2012 and later		Total
	Audited Actual	Forecast	Audited Actual	Forecast	Audited Actual	Forecast	Audited Actual	Forecast	Audited Actual	Forecast	Audited Actual	Forecast	Audited Actual	Forecast	
<b>1.3 ADVANCED METERING CONTROL COMPUTER (AMCC)</b>															
1.3.1 Computer Hardware							140,328		86,992		33				237,353
1.3.2 Computer Software							15,476		21,474						36,950
1.3.3 Computer Software Licenses & Installation (includes hardware and software) <i>(enter include AS/400 data base, backup and recovery computer, UPS, etc.)</i>							9,472		18,253						27,724
<b>Total Advanced Metering Control Computer (AMCC)</b>							<b>165,275</b>		<b>136,719</b>		<b>33</b>				<b>302,027</b>
<b>1.4 WIDE AREA NETWORK (WAN)</b>															
1.4.1 Activation Fees							100,803		352,664		7,424				788,890
<b>Total Wide Area Network (WAN)</b>							<b>100,803</b>		<b>352,664</b>		<b>7,424</b>				<b>788,890</b>
<b>1.5 OTHER AMI CAPITAL COSTS RELATED TO MINIMUM FUNCTIONALITY</b>															
1.5.1 Customer Equipment (including repair of damaged equipment)							3,759		122,443		17,643				143,845
1.5.2 AMI Interface to CIS							525,851		199,987		223,795				949,613
1.5.3 Professional Fees							4,235		2,095						6,930
1.5.4 Integration							120,206		55,945						176,152
1.5.5 Program Management							654,032		380,789		241,438				1,276,259
1.5.6 Other AMI Capital															
<b>Total Other AMI Capital Costs Related to Minimum Functionality</b>							<b>1,308,083</b>		<b>652,364</b>		<b>412,876</b>				<b>2,373,323</b>
<b>Total Capital Costs Related to Minimum Functionality</b>							<b>1,308,083</b>		<b>652,364</b>		<b>412,876</b>				<b>2,373,323</b>
<b>1.6 CAPITAL COSTS BEYOND MINIMUM FUNCTIONALITY</b> <i>(Please provide a separate line and identify nature of capital/minimum functionality costs)</i>															
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 MDMR, etc							28,821		1,081,822		2,043,123		24,307		3,178,074
<b>Total Capital Costs Beyond Minimum Functionality</b>							<b>28,821</b>		<b>1,081,822</b>		<b>2,043,123</b>		<b>24,307</b>		<b>3,178,074</b>
<b>Total Smart Meter Capital Costs</b>							<b>4,999,448</b>		<b>16,262,194</b>		<b>3,141,854</b>		<b>498,507</b>		<b>24,902,003</b>

regardless of whether a distributor has deployments in 2012, distributors should enter the forecasted OMSA for 2012 for all smart meters in service.

**Smart Meter Capital Cost and Operational Expense Data**  
**2 OMSA Expenses**

	2006	2007	2008	2008	2009	2010	2011	2012 and later	Total
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast	
<b>2.1 ADVANCED METERING COMMUNICATION DEVICE (AMCD)</b>									
2.1.1 Maintenance (may include meter reverification costs, etc.)						19,890	4,300		\$ 28,884
2.1.2 Other (please specify)									\$ -
Total Incremental AMCD OMSA Costs	\$ -	\$ -	\$ -	\$ 4,695	\$ 114,138	\$ 19,890	\$ 4,300	\$ -	\$ 28,884
<b>2.2 ADVANCED METERING REGIONAL COLLECTOR (AMRC) (includes LAN)</b>									
2.2.1 Maintenance						114,138	170,561	290,200	\$ 574,899
2.2.2 Other (please specify)									\$ -
Total Incremental AMRC OMSA Costs	\$ -	\$ -	\$ -	\$ -	\$ 114,138	\$ 170,561	\$ 170,561	\$ 290,200	\$ 574,899
<b>2.3 ADVANCED METERING CONTROL COMPUTER (AMCC)</b>									
2.3.1 Hardware Maintenance (may include server support, etc.)				12,461				0,000	\$ 18,461
2.3.2 Software Maintenance (may include maintenance support, etc.)				458		1,360	1,316	53,400	\$ 56,534
2.3.2 Other (please specify)									\$ -
Total Incremental AMCC OMSA Costs	\$ -	\$ -	\$ -	\$ 12,919	\$ 1,360	\$ 1,316	\$ 1,316	\$ 59,400	\$ 74,984
<b>2.4 WIDE AREA NETWORK (WAN)</b>									
2.4.1 WAN Maintenance						19,839	22,185	35,000	\$ 70,943
2.4.2 Other (please specify)									\$ -
Total Incremental WAN OMSA Costs	\$ -	\$ -	\$ -	\$ 440	\$ 19,839	\$ 22,185	\$ 22,185	\$ 35,000	\$ 76,043
<b>2.5 OTHER AMI OMSA COSTS RELATED TO MINIMUM FUNCTIONALITY</b>									
2.5.1 Business Process Redesign								15,000	\$ 15,000
2.5.2 Customer Communication (may include project communication, etc.)				62,239	7,780	48,547	405,100	405,100	\$ 524,156
2.5.3 Program Management				4,354	123,110	199,570	211,200	211,200	\$ 539,238
2.5.4 Change Management (may include training, etc.)				24,775	56,608	8,058	4,000	4,000	\$ 70,865
2.5.5 Administration Costs				3,928	32,234	33,928	5,000	5,000	\$ 95,940
2.5.6 Other AMI Expenses (please specify)		5,998	101,711	1,928					\$ 109,637
Total Other AMI OMSA Costs Related to Minimum Functionality	\$ 5,998	\$ 107,711	\$ 107,711	\$ 95,296	\$ 221,731	\$ 39,398	\$ 310,300	\$ -	\$ 695,638
<b>TOTAL OMSA COSTS RELATED TO MINIMUM FUNCTIONALITY</b>	\$ 5,998	\$ 107,711	\$ 107,711	\$ 113,349	\$ 376,957	\$ 138,944	\$ 683,300	\$ -	\$ 1,450,458
<b>2.6 OMSA COSTS RELATED TO BEYOND MINIMUM FUNCTIONALITY</b> (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									\$ -
2.6.3 Costs for TOU rate implementation, CIS system upgrades, web presentation, integration with the MDNR, etc.						45,925	3,827	62,500	\$ 102,252
Total OMSA Costs Beyond Minimum Functionality	\$ -	\$ -	\$ -	\$ -	\$ 45,925	\$ 3,827	\$ 3,827	\$ 62,500	\$ 102,252
Total Smart Meter OMSA Costs	\$ -	\$ 5,998	\$ 101,711	\$ 113,349	\$ 422,882	\$ 162,771	\$ 748,000	\$ -	\$ 1,552,711

regardless of whether a distributor has deployments in 2012, distributors should enter the forecasted O&M&A for 2012 for all smart meters in service.

**Smart Meter Capital Cost and Operational Expense Data**

3.1	Capital	2006		2007		2008		2008		2010		2011		2012 and later		Total
		Audited	Actual	Audited	Actual	Audited	Actual	Audited	Actual	Audited	Actual	Audited	Actual	Forecast		
3.1.1	Smart Meter	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,924,372	\$ 14,663,160	\$ 887,000	\$ 420,500	\$ 19,875,032				
3.1.2	Computer Hardware	\$ -	\$ -	\$ -	\$ -	\$ 140,328	\$ 96,992	\$ 33	\$ 33	\$ -	\$ -	\$ 237,353				
3.1.3	Computer Software	\$ -	\$ -	\$ -	\$ -	\$ 24,947	\$ 39,727	\$ -	\$ -	\$ -	\$ -	\$ 64,674				
3.1.4	Tools & Equipment	\$ -	\$ -	\$ -	\$ -	\$ 22,584	\$ 1,440	\$ 1,276	\$ 1,276	\$ -	\$ -	\$ 25,300				
3.1.5	Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ 332,544	\$ 178,086	\$ 6,627	\$ 6,627	\$ 53,700	\$ 53,700	\$ 571,956				
3.1.6	Applications Software	\$ -	\$ -	\$ -	\$ -	\$ 554,673	\$ 1,281,789	\$ 2,265,918	\$ 2,265,918	\$ 24,307	\$ 24,307	\$ 4,127,687				
3.1.7	Total Capital Costs	\$ -	\$ -	\$ -	\$ -	\$ 4,999,448	\$ 18,262,194	\$ 3,147,354	\$ 3,147,354	\$ 488,507	\$ 488,507	\$ 24,802,003				
3.2	O&M&A Costs	\$ -	\$ -	\$ -	\$ -	\$ 113,349	\$ 422,882	\$ 162,771	\$ 162,771	\$ 746,000	\$ 746,000	\$ 1,527,711				
3.2.1	Total O&M&A Costs	\$ -	\$ -	\$ -	\$ -	\$ 113,349	\$ 422,882	\$ 162,771	\$ 162,771	\$ 746,000	\$ 746,000	\$ 1,527,711				




**Ontario Energy Board**  
**Smart Meter Model**

London Hydro Inc.

	2006	2007	2008	2009	2010	2011	2012 and later
<b>Cost of Capital</b>							
<b>Capital Structure<sup>1</sup></b>							
Deemed Short-term Debt Capitalization			0.0%	4.0%	4.0%	4.0%	4.0%
Deemed Long-term Debt Capitalization	55.0%	55.0%	57.5%	56.0%	56.0%	56.0%	56.0%
Deemed Equity Capitalization	45.0%	45.0%	42.5%	40.0%	40.0%	40.0%	40.0%
Preferred Shares	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Cost of Capital Parameters</b>							
Deemed Short-term Debt Rate			0.00%	1.33%	1.33%	1.33%	1.33%
Long-term Debt Rate (actual/embedded/deemed) <sup>2</sup>	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%	6.00%
Target Return on Equity (ROE)	9.0%	9.00%	9.00%	8.01%	8.01%	8.01%	8.01%
Return on Preferred Shares	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>WACC</b>	<b>7.35%</b>	<b>7.35%</b>	<b>7.28%</b>	<b>6.62%</b>	<b>6.62%</b>	<b>6.62%</b>	<b>6.62%</b>
<b>Working Capital Allowance</b>							
Working Capital Allowance Rate	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%	15.0%
<small>(% of the sum of Cost of Power + controllable expenses)</small>							
<b>Taxes/PILs</b>							
Aggregate Corporate Income Tax Rate	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%
Capital Tax (until July 1st, 2010)	0.30%	0.225%	0.225%	0.225%	0.075%	0.00%	0.00%
<b>Depreciation Rates</b>							
<small>(expressed as expected useful life in years)</small>							
Smart Meters - years	15	15	15	15	15	15	15
- rate (%)	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%	6.67%
Computer Hardware - years	5	5	5	5	5	5	5
- rate (%)	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%
Computer Software - years						5	5
- rate (%)	0.00%	0.00%	0.00%	0.00%	0.00%	20.00%	20.00%
Tools & Equipment - years	5	5	5	5	5	5	5
- rate (%)	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%
Other Equipment - years	35	35	35	35	35	35	35
- rate (%)	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%
<b>CCA Rates</b>							
Smart Meters - CCA Class	8	8	8	8	8	8	8
Smart Meters - CCA Rate	8%	8%	8%	8%	8%	8%	8%
Computer Equipment - CCA Class	45	50	50	52	52	50	50
Computer Equipment - CCA Rate	45%	55%	55%	100%	100%	55%	55%
General Equipment - CCA Class	8	8	8	8	8	8	8
General Equipment - CCA Rate	20%	20%	20%	20%	20%	20%	20%
Applications Software - CCA Class	12	12	12	12	12	12	12
Applications Software - CCA Rate	100%	100%	100%	100%	100%	100%	100%

**Assumptions**

<sup>1</sup> Planned smart meter installations occur evenly throughout the year.

<sup>2</sup> Fiscal calendar year (January 1 to December 31) used.

<sup>3</sup> Amortization is done on a straight line basis and has the "half-year" rule applied.





London Hydro Inc.

	2006	2007	2008	2009	2010	2011	2012 and later
<b>Net Fixed Assets - Smart Meters</b>							
<b>Gross Book Value</b>							
Opening Balance		\$ -	\$ -	\$ -	\$ 3,924,372	\$ 18,587,532	\$ 18,454,532
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 3,924,372	\$ 14,653,160	\$ 867,000	\$ 420,500
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 3,924,372	\$ 18,587,532	\$ 19,454,532	\$ 19,875,032
<b>Accumulated Depreciation</b>							
Opening Balance					\$ 130,812	\$ 881,209	\$ 2,149,278
Amortization expense during year	\$ -	\$ -	\$ -	\$ 130,812	\$ 750,397	\$ 1,288,068	\$ 1,310,985
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 130,812	\$ 881,209	\$ 2,149,278	\$ 3,460,264
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 3,793,560	\$ 17,706,323	\$ 17,305,254
Closing Balance	\$ -	\$ -	\$ -	\$ 3,793,560	\$ 17,706,323	\$ 17,305,254	\$ 16,414,769
Average Net Book Value	\$ -	\$ -	\$ -	\$ 1,886,780	\$ 10,749,941	\$ 17,505,789	\$ 16,800,012
<b>Net Fixed Assets - Computer Hardware</b>							
<b>Gross Book Value</b>							
Opening Balance					\$ 140,328	\$ 237,320	\$ 237,353
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 140,328	\$ 96,982	\$ 33	\$ -
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 140,328	\$ 237,320	\$ 237,353	\$ 237,353
<b>Accumulated Depreciation</b>							
Opening Balance					\$ 14,033	\$ 51,798	\$ 99,265
Amortization expense during year	\$ -	\$ -	\$ -	\$ 14,033	\$ 37,785	\$ 47,467	\$ 47,471
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 14,033	\$ 51,798	\$ 99,265	\$ 146,736
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 126,295	\$ 185,523	\$ 138,088
Closing Balance	\$ -	\$ -	\$ -	\$ 126,295	\$ 185,523	\$ 138,088	\$ 90,618
Average Net Book Value	\$ -	\$ -	\$ -	\$ 63,148	\$ 155,809	\$ 161,806	\$ 114,353
<b>Net Fixed Assets - Computer Software (including Applications Software)</b>							
<b>Gross Book Value</b>							
Opening Balance					\$ 579,620	\$ 1,901,136	\$ 4,168,053
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 579,620	\$ 1,321,516	\$ 2,266,916	\$ 24,307
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 579,620	\$ 1,901,136	\$ 4,168,053	\$ 4,192,361
<b>Accumulated Depreciation</b>							
Opening Balance							\$ 606,919
Amortization expense during year	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 606,919	\$ 830,041
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 606,919	\$ 1,442,960
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 579,620	\$ 1,901,136	\$ 3,561,135
Closing Balance	\$ -	\$ -	\$ -	\$ 579,620	\$ 1,901,136	\$ 3,561,135	\$ 2,749,400
Average Net Book Value	\$ -	\$ -	\$ -	\$ 289,810	\$ 1,240,378	\$ 2,731,135	\$ 3,155,267
<b>Net Fixed Assets - Tools and Equipment</b>							
<b>Gross Book Value</b>							
Opening Balance					\$ 22,584	\$ 24,024	\$ 25,300
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 22,584	\$ 1,440	\$ 1,276	\$ -
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 22,584	\$ 24,024	\$ 25,300	\$ 25,300
<b>Accumulated Depreciation</b>							
Opening Balance					\$ 2,258	\$ 6,919	\$ 11,852
Amortization expense during year	\$ -	\$ -	\$ -	\$ 2,258	\$ 4,661	\$ 4,932	\$ 5,060
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 2,258	\$ 6,919	\$ 11,852	\$ 16,912
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 20,326	\$ 17,105	\$ 13,449
Closing Balance	\$ -	\$ -	\$ -	\$ 20,326	\$ 17,105	\$ 13,449	\$ 8,388
Average Net Book Value	\$ -	\$ -	\$ -	\$ 10,163	\$ 18,715	\$ 15,277	\$ 10,918
<b>Net Fixed Assets - Other Equipment</b>							
<b>Gross Book Value</b>							
Opening Balance					\$ 332,544	\$ 511,629	\$ 518,256
Capital Additions during year (from Smart Meter Costs)	\$ -	\$ -	\$ -	\$ 332,544	\$ 179,086	\$ 6,627	\$ 53,700
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 332,544	\$ 511,629	\$ 518,256	\$ 571,956
<b>Accumulated Depreciation</b>							
Opening Balance					\$ 4,751	\$ 16,810	\$ 31,523
Amortization expense during year	\$ -	\$ -	\$ -	\$ 4,751	\$ 12,060	\$ 14,713	\$ 15,574
Retirements/Removals (if applicable)							
Closing Balance	\$ -	\$ -	\$ -	\$ 4,751	\$ 16,810	\$ 31,523	\$ 47,097
<b>Net Book Value</b>							
Opening Balance	\$ -	\$ -	\$ -	\$ -	\$ 327,793	\$ 494,819	\$ 486,733
Closing Balance	\$ -	\$ -	\$ -	\$ 327,793	\$ 494,819	\$ 486,733	\$ 524,859
Average Net Book Value	\$ -	\$ -	\$ -	\$ 163,896	\$ 411,306	\$ 490,776	\$ 505,798



**Ontario Energy Board**  
Smart Meter Model

London Hydro Inc.

Average Net Fixed Asset Values (from Sheet 4)	2006	2007	2008	2009	2010	2011	2012 and Later
Smart Meters	\$ -	\$ -	\$ -	\$ 1,896,790	\$ 10,749,941	\$ 17,505,789	\$ 16,860,012
Computer Hardware	\$ -	\$ -	\$ -	\$ 63,148	\$ 155,909	\$ 161,806	\$ 114,353
Computer Software	\$ -	\$ -	\$ -	\$ 289,810	\$ 1,240,378	\$ 2,731,135	\$ 3,155,267
Tools & Equipment	\$ -	\$ -	\$ -	\$ 10,163	\$ 18,715	\$ 15,277	\$ 10,918
Other Equipment	\$ -	\$ -	\$ -	\$ 163,896	\$ 411,306	\$ 490,776	\$ 505,796
<b>Total Net Fixed Assets</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,423,797</b>	<b>\$ 12,576,230</b>	<b>\$ 20,904,782</b>	<b>\$ 20,646,347</b>
<b>Working Capital</b>	<b>\$ -</b>	<b>\$ 5,998</b>	<b>\$ 101,711</b>	<b>\$ 113,349</b>	<b>\$ 422,882</b>	<b>\$ 162,771</b>	<b>\$ 746,000</b>
Operating Expenses (from Sheet 2)	\$ -	\$ 5,998	\$ 101,711	\$ 113,349	\$ 422,882	\$ 162,771	\$ 746,000
Working Capital Factor (from Sheet 3)	15%	15%	15%	15%	15%	15%	15%
Working Capital Allowance	\$ -	\$ 900	\$ 15,257	\$ 17,002	\$ 63,432	\$ 24,416	\$ 111,900
<b>Incremental Smart Meter Rate Base</b>	<b>\$ -</b>	<b>\$ 900</b>	<b>\$ 15,257</b>	<b>\$ 2,440,799</b>	<b>\$ 12,639,662</b>	<b>\$ 20,925,198</b>	<b>\$ 20,758,247</b>
<b>Return on Rate Base</b>	<b>\$ -</b>	<b>\$ 900</b>	<b>\$ 15,257</b>	<b>\$ 2,440,799</b>	<b>\$ 12,639,662</b>	<b>\$ 20,925,198</b>	<b>\$ 20,758,247</b>
<b>Capital Structure</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 97,632</b>	<b>\$ 565,587</b>	<b>\$ 837,168</b>	<b>\$ 830,330</b>
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ 97,632	\$ 565,587	\$ 837,168	\$ 830,330
Deemed Long Term Debt	\$ -	\$ 495	\$ 8,773	\$ 1,366,848	\$ 7,078,222	\$ 11,720,351	\$ 11,524,618
Equity	\$ -	\$ 405	\$ 6,484	\$ 976,320	\$ 5,055,873	\$ 8,371,679	\$ 8,303,299
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Capitalization	\$ -	\$ 900	\$ 15,257	\$ 2,440,799	\$ 12,639,662	\$ 20,925,198	\$ 20,758,247
<b>Return on</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,299</b>	<b>\$ 6,724</b>	<b>\$ 11,134</b>	<b>\$ 11,043</b>
Deemed Short Term Debt	\$ -	\$ -	\$ -	\$ 1,299	\$ 6,724	\$ 11,134	\$ 11,043
Deemed Long Term Debt	\$ -	\$ 30	\$ 526	\$ 82,011	\$ 424,693	\$ 703,221	\$ 697,477
Equity	\$ -	\$ 36	\$ 584	\$ 78,203	\$ 404,975	\$ 670,572	\$ 665,094
Preferred Shares	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Return on Capital</b>	<b>\$ -</b>	<b>\$ 66</b>	<b>\$ 1,110</b>	<b>\$ 161,513</b>	<b>\$ 836,393</b>	<b>\$ 1,384,927</b>	<b>\$ 1,373,615</b>
<b>Operating Expenses</b>	<b>\$ -</b>	<b>\$ 5,998</b>	<b>\$ 101,711</b>	<b>\$ 113,349</b>	<b>\$ 422,882</b>	<b>\$ 162,771</b>	<b>\$ 746,000</b>
<b>Amortization Expenses (from Sheet 4)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 130,812</b>	<b>\$ 750,397</b>	<b>\$ 1,268,089</b>	<b>\$ 1,310,985</b>
Smart Meters	\$ -	\$ -	\$ -	\$ 130,812	\$ 750,397	\$ 1,268,089	\$ 1,310,985
Computer Hardware	\$ -	\$ -	\$ -	\$ 14,033	\$ 37,785	\$ 47,467	\$ 47,471
Computer Software	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 606,919	\$ 836,041
Tools & Equipment	\$ -	\$ -	\$ -	\$ 2,258	\$ 4,861	\$ 4,932	\$ 5,069
Other Equipment	\$ -	\$ -	\$ -	\$ 151,854	\$ 12,060	\$ 14,713	\$ 15,574
<b>Total Amortization Expense in Year</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 151,854</b>	<b>\$ 804,862</b>	<b>\$ 1,942,100</b>	<b>\$ 2,215,132</b>
<b>Incremental Revenue Requirement before Taxes/PILs</b>	<b>\$ -</b>	<b>\$ 6,064</b>	<b>\$ 102,821</b>	<b>\$ 426,716</b>	<b>\$ 2,064,157</b>	<b>\$ 3,485,798</b>	<b>\$ 4,334,747</b>
<b>Calculation of Taxable Income</b>	<b>\$ -</b>	<b>\$ 5,968</b>	<b>\$ 101,711</b>	<b>\$ 113,349</b>	<b>\$ 422,882</b>	<b>\$ 162,771</b>	<b>\$ 746,000</b>
Incremental Operating Expenses	\$ -	\$ 5,968	\$ 101,711	\$ 113,349	\$ 422,882	\$ 162,771	\$ 746,000
Amortization Expense	\$ -	\$ -	\$ -	\$ 151,854	\$ 804,862	\$ 1,942,100	\$ 2,215,132
Interest Expense	\$ -	\$ 30	\$ 528	\$ 83,309	\$ 431,418	\$ 714,355	\$ 708,520
<b>Net Income for Taxes/PILs</b>	<b>\$ -</b>	<b>\$ 36</b>	<b>\$ 584</b>	<b>\$ 78,203</b>	<b>\$ 404,975</b>	<b>\$ 670,572</b>	<b>\$ 665,094</b>
<b>Grossed-up Taxes/PILs (from Sheet 7)</b>	<b>\$ -</b>	<b>\$ 20,60</b>	<b>\$ 293,98</b>	<b>\$ 147,888.97</b>	<b>\$ 357,339.32</b>	<b>\$ 284,194.23</b>	<b>\$ 95,901.98</b>
<b>Revenue Requirement, including Grossed-up Taxes/PILs</b>	<b>\$ -</b>	<b>\$ 6,085</b>	<b>\$ 103,115</b>	<b>\$ 278,627</b>	<b>\$ 1,706,816</b>	<b>\$ 3,205,604</b>	<b>\$ 4,430,649</b>



## For PILs Calculation

### UCC - Smart Meters

	2006	2007	2008	2009	2010	2011	2012 and later
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ 3,767,397.28	\$ 3,767,397.28	\$ 17,542,639.22	\$ 16,971,548.23
Capital Additions	\$ -	\$ -	\$ -	\$ 3,924,372.17	\$ 14,863,100.12	\$ 867,000.16	\$ 420,500.00
Retirements/Removals (if applicable)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 3,924,372.17	\$ 14,863,100.12	\$ 867,000.16	\$ 420,500.00
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ 1,862,186.09	\$ 7,331,580.00	\$ 18,408,639.38	\$ 17,362,948.23
CCA Class	8%	8%	8%	8%	8%	8%	8%
CCA Rate	8%	8%	8%	8%	8%	8%	8%
Closing UCC	\$ -	\$ -	\$ -	\$ 1,862,186.09	\$ 7,331,580.00	\$ 18,408,639.38	\$ 17,362,948.23

### UCC - Computer Equipment

	2006	2007	2008	2009	2010	2011	2012 and later
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions	\$ -	\$ -	\$ -	\$ 140,328.00	\$ 82,637.59	\$ 68,358.56	\$ 30,785.71
Retirements/Removals (if applicable)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 140,328.00	\$ 82,637.59	\$ 68,358.56	\$ 30,785.71
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ 65,275.18	\$ 219,356.71	\$ 68,358.56	\$ 30,785.71
CCA Rate Class	45%	50%	50%	50%	50%	50%	50%
CCA Rate	45%	55%	55%	55%	55%	55%	55%
Closing UCC	\$ -	\$ -	\$ -	\$ 65,275.18	\$ 219,356.71	\$ 68,358.56	\$ 30,785.71

### UCC - General Equipment

	2006	2007	2008	2009	2010	2011	2012 and later
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Tools & Equipment	\$ -	\$ -	\$ -	\$ 22,584.23	\$ 1,449.13	\$ 418,165.36	\$ 341,644.60
Capital Additions Other Equipment	\$ -	\$ -	\$ -	\$ 332,343.60	\$ 175,085.78	\$ 6,929.67	\$ 53,700.00
Retirements/Removals (if applicable)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 254,927.83	\$ 1,454,234.91	\$ 425,095.03	\$ 395,344.60
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ 127,463.92	\$ 500,140.96	\$ 3,951.28	\$ 26,850.00
CCA Rate Class	8%	8%	8%	8%	8%	8%	8%
CCA Rate	20%	20%	20%	20%	20%	20%	20%
Closing UCC	\$ -	\$ -	\$ -	\$ 127,463.92	\$ 500,140.96	\$ 421,143.75	\$ 368,494.60

### UCC - Applications Software

	2006	2007	2008	2009	2010	2011	2012 and later
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecast
Opening UCC	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Capital Additions Applications Software	\$ -	\$ -	\$ -	\$ 277,336.30	\$ 277,336.30	\$ 640,894.55	\$ 1,133,458.93
Retirements/Removals (if applicable)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
UCC Before Half Year Rule	\$ -	\$ -	\$ -	\$ 277,336.30	\$ 277,336.30	\$ 640,894.55	\$ 1,133,458.93
Half Year Rule (1/2 Additions - Disposals)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Reduced UCC	\$ -	\$ -	\$ -	\$ 138,668.15	\$ 138,668.15	\$ 320,447.28	\$ 566,729.47
CCA Rate Class	12%	12%	12%	12%	12%	12%	12%
CCA Rate	100%	100%	100%	100%	100%	100%	100%
Closing UCC	\$ -	\$ -	\$ -	\$ 138,668.15	\$ 138,668.15	\$ 320,447.28	\$ 566,729.47



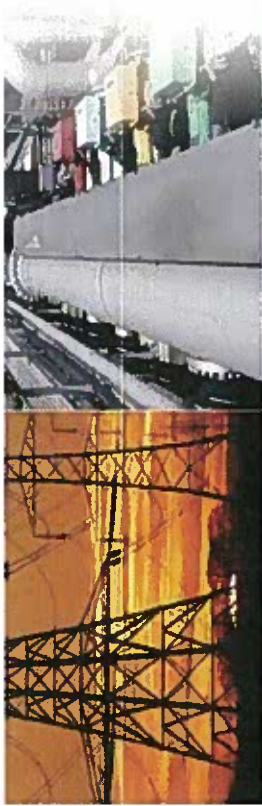
Landon Hydris Inc.

### PILs Calculation

	2006 Audited Actual	2007 Audited Actual	2008 Audited Actual	2009 Audited Actual	2010 Audited Actual	2011 Audited Actual	2012 and later Forecast
<b>INCOME TAX</b>							
Net Income	\$ -	\$ 36 44	\$ 583 57	\$ 78 203 20	\$ 404 975 41	\$ 670 571 50	\$ 665 094 22
Amortization	\$ -	\$ -	\$ -	\$ 151 854 25	\$ 804 682 13	\$ 1 942 100 22	\$ 2 215 132 09
CCA - Smart Meters	\$ -	\$ -	\$ -	\$ 156 974 89	\$ 887 918 19	\$ 1 438 091 14	\$ 1 374 543 86
CCA - Computers	\$ -	\$ -	\$ -	\$ 82 637 59	\$ 150 987 15	\$ 37 606 82	\$ 16 932 14
CCA - Applications Software	\$ -	\$ -	\$ -	\$ 277 338 30	\$ 918 230 85	\$ 1 774 353 46	\$ 1 145 612 50
CCA - Other Equipment	\$ -	\$ -	\$ -	\$ 35 517 78	\$ 81 975 60	\$ 84 423 33	\$ 73 688 92
Change in taxable income	\$ -	\$ 36 44	\$ 583 57	\$ 322 004 10	\$ 329 264 25	\$ 721 807 06	\$ 269 438 89
Tax Rate (from Sheet 3)	36 12%	36 12%	33 50%	33 00%	31 00%	28 25%	26 25%
Income Taxes Payable	\$ -	\$ 13 16	\$ 195 49	\$ 108 363 35	\$ 257 071 92	\$ 203 909 36	\$ 70 727 71
<b>ONTARIO CAPITAL TAX</b>							
Smart Meters	\$ -	\$ -	\$ -	\$ 3 783 559 76	\$ 17 706 323 07	\$ 17 305 254 40	\$ 16 414 788 91
Computer Hardware	\$ -	\$ -	\$ -	\$ 126 295 20	\$ 185 522 81	\$ 138 088 39	\$ 90 617 70
Computer Software	\$ -	\$ -	\$ -	\$ 578 619 78	\$ 1 001 135 55	\$ 3 581 134 51	\$ 2 749 400 28
(Including Application Software)	\$ -	\$ -	\$ -	\$ 20 325 81	\$ 17 105 08	\$ 13 448 52	\$ 8 388 46
Tools & Equipment	\$ -	\$ -	\$ -	\$ 327 932 68	\$ 684 818 15	\$ 486 733 10	\$ 524 636 71
Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Base	\$ -	\$ -	\$ -	\$ 4 847 593 53	\$ 20 304 905 65	\$ 21 504 658 99	\$ 19 788 034 04
Rate Depreciation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Deemed Taxable Capital	\$ -	\$ -	\$ -	\$ 4 847 593 53	\$ 20 304 905 65	\$ 21 504 658 99	\$ 19 788 034 04
Ontario Capital Tax Rate (from Sheet 3)	0 300%	0 225%	0 225%	0 225%	0 275%	0 300%	0 300%
Net Amount (Taxable Capital x Rate)	\$ -	\$ -	\$ -	\$ 10 907 09	\$ 15 228 68	\$ -	\$ -
Change in Income Taxes Payable	\$ -	\$ 13 16	\$ 185 49	\$ 106 383 35	\$ 257 071 92	\$ 203 909 36	\$ 70 727 71
Change in OCT	\$ -	\$ -	\$ -	\$ 10 907 09	\$ 15 228 68	\$ -	\$ -
PILs	\$ -	\$ 13 16	\$ 195 49	\$ 95 486 27	\$ 241 643 24	\$ 203 909 36	\$ 70 727 71
<b>Gross Up PILs</b>							
Tax Rate	36 12%	36 12%	33 50%	33 00%	31 00%	28 25%	26 25%
Change in Income Taxes Payable	\$ -	\$ 20 60	\$ 293 98	\$ 158 796 05	\$ 372 567 99	\$ 284 194 23	\$ 95 901 98
Change in OCT	\$ -	\$ -	\$ -	\$ 10 907 09	\$ 15 228 68	\$ -	\$ -
PILs	\$ -	\$ 20 60	\$ 293 98	\$ 147 888 97	\$ 357 339 32	\$ 284 194 23	\$ 95 901 98







**Ontario Energy Board**  
Smart Meter Model

London Hydro Inc.

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	\$ 5,986.00	\$ -	\$ 5,986.00	\$ 2,999.00	4.73%	\$ 141.78
2008	\$ 101,711.00	\$ -	\$ 107,709.00	\$ 56,853.50	3.98%	\$ 2,262.77
2009	\$ 113,349.02	\$ 151,854.25	\$ 372,912.27	\$ 240,310.64	1.14%	\$ 2,733.53
2010	\$ 422,882.26	\$ 804,882.13	\$ 1,600,676.67	\$ 986,794.47	0.80%	\$ 7,869.69
2011	\$ 162,770.95	\$ 1,942,100.22	\$ 3,705,547.84	\$ 2,653,112.25	1.47%	\$ 39,000.75
2012	\$ 746,000.00	\$ 2,215,132.09	\$ 6,666,679.92	\$ 5,186,113.88	1.47%	\$ 76,235.87
<b>Cumulative Interest to 2011</b>						<b>\$ 52,008.52</b>
<b>Cumulative Interest to 2012</b>						<b>\$ 128,244.39</b>



London Hydro Inc.



Ontario Energy Board  
Smart Meter Model

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 every 2011 ISM decision, the Board noted its intention to phase out the Smart Meter Funding Adder 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 a cost-benefit analysis of the 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 addendums.

Check if applicable

- Smart Meter Funding Adder (SMFA)
  - Smart Meter Disposition Rider (SMDR)
  - Smart Meter Incremental Revenue Requirement Rate Rider (SMRR)
- The SMRR is calculated based on costs to December 31, 2011  
The SMRR is calculated based on the incremental revenue requirement associated with the recovery of capital related costs to December 31, 2012 and associated OMLA

	2006	2007	2008	2009	2010	2011	2012 and later	Total
Deferred and forecasted Smart Meter Incremental Revenue Requirement (from Sheet 5)	\$ -	\$ 6,084.73	\$ 103,114.90	\$ 278,826.85	\$ 1,706,818.11	\$ 3,205,603.82	\$ 4,430,648.75	\$ 9,731,097.18
Interest on Deferred and forecasted OMLA and Amortization Expense (Sheet 9A/9B)	\$ -	\$ -	\$ 940.83	\$ 1,745.11	\$ 8,890.82	\$ 36,508.50	\$ 40,142.12	\$ 88,227.39
<b>Sheet 8A (Interest calculated on monthly balances)</b>								
<b>Sheet 8B (Interest calculated on average annual balances)</b>								
SMFA Revenues (from Sheet 8)	\$ 257,849.78	\$ 459,050.87	\$ 465,959.94	\$ 639,149.82	\$ 1,763,106.69	\$ 2,247,788.24	\$ 1,114,726.47	\$ 6,967,631.82
SMFA Interest (from Sheet 8)	\$ 2,954.11	\$ 22,476.25	\$ 36,197.69	\$ 15,038.52	\$ 22,438.73	\$ 66,805.90	\$ 64,115.02	\$ 230,026.22
Net Deferred Revenue Requirement	-\$ 260,903.89	-\$ 475,442.39	-\$ 398,101.90	-\$ 373,616.36	-\$ 89,836.49	-\$ 927,518.18	-\$ 3,291,949.38	-\$ 2,621,666.53

Number of Metered Customers (average for 2012 test year)

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

Years for collection or refunding	1
Deferred Incremental Revenue Requirement from 2005 to December 31, 2011 plus interest on OMLA and Amortization	\$ 5,368,679.82
SMFA Revenues collected from 2005 to 2012 test year (inclusive)	\$ 7,197,658.04
Net Deferred Revenue Requirement	-\$ 1,808,982.22
SMDR May 1, 2012 to April 30, 2013	1.03
Check: Forecasted SMDR Revenues	1,812,513.86

Match

Match

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

Incremental Revenue Requirement for 2012	\$ 4,430,648.75
SMRR	\$ 2.52
Check: Forecasted SMRR Revenues	\$ 4,434,496.44

Match

Match

146643 \$



## Appendix C: 2012 Smart Meter Rate Impacts



**Rate Class**

**Residential**

Bill Impact Comparison to Approved 2012 IRM Rates (Smart Meter)

Monthly Rates and Charges	IRM 2012	Applied for Rate
Service Charge	13.72	12.72
Smart Meter Funding Adder/SM Recovery 2012		1.52
Service Charge Rate Rider(s)		
Distribution Volumetric Rate	0.01430	0.01430
Distribution Volumetric Rate Rider(s)	(0.00136)	(0.00136)
Low Voltage Volumetric Rate	0.00000	0.00000
Retail Transmission Rate – Network Service Rate	0.00700	0.00700
Retail Transmission Rate – Line and Transformation Connection Service Rate	0.00530	0.00530
Wholesale Market Service Rate	0.0052	0.0052
Rural Rate Protection Charge	0.0011	0.0011
Standard Supply Service – Administration Charge (if applicable)	0.25	0.25
Debt Retirement Charge (DRC)	0.0070	0.0070
Loss Factor	1.0409	1.0409

Consumption	800	kWh	kWh	kw
RPP Tier One	800			kw
	800			Load Factor

Current Loss Factor	1.0409
Proposed Loss Factor	1.0409

Residential	Volume	Current Rate (\$)	Current Change (\$)	Proposed Rate (\$)	Proposed Change (\$)	Change (\$)	Change (%)	% of Total Bill
TOL-Off Peak	532.94	0.0650	34.64	0.0650	34.64	0.00	0.00%	27.11%
TOL-Mid Peak	149.89	0.1000	14.99	0.1000	14.99	0.00	0.00%	11.73%
TOL-On Peak	149.89	0.1170	17.54	0.1170	17.54	0.00	0.00%	13.72%
<b>Sub-Total: Energy</b>			<b>67.17</b>		<b>67.17</b>	<b>0.00</b>	<b>0.00%</b>	<b>52.56%</b>
Service Charge	1	12.72	12.72	12.72	0.00	0.00	0.00%	9.85%
Service Charge Rate Rider(s)	1	0.00	0.00	1.52	1.52	1.52	1.18%	1.18%
Distribution Volumetric Rate	800	0.0143	11.44	0.0143	0.00	0.00	0.00%	8.95%
Low Voltage Volumetric Rate	800	0.0000	0.00	0.0000	0.00	0.00	0.00%	0.00%
Distribution Volumetric Rate Rider(s)	800	(0.0014)	(1.09)	(0.0014)	(1.09)	0.00	0.00%	(0.95)%
<b>Total: Distribution</b>			<b>23.07</b>		<b>24.59</b>	<b>1.52</b>	<b>6.59%</b>	<b>19.24%</b>
Retail Transmission Rate – Network Service Rate	832.72	0.0070	5.83	0.0070	5.83	0.00	0.00%	4.56%
Retail Transmission Rate – Line and Transformation Connection Service Rate	832.72	0.0053	4.41	0.0053	4.41	0.00	0.00%	3.45%
<b>Total: Retail Transmission</b>			<b>10.24</b>		<b>10.24</b>	<b>0.00</b>	<b>0.00%</b>	<b>8.01%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>			<b>33.31</b>		<b>34.83</b>	<b>1.52</b>	<b>4.56%</b>	<b>27.26%</b>
Wholesale Market Service Rate	832.72	0.0052	4.33	0.0052	4.33	0.00	0.00%	3.35%
Rural Rate Protection Charge	832.72	0.0011	0.92	0.0011	0.92	0.00	0.00%	0.72%
Standard Supply Service – Administration Charge (if applicable)	1	0.25	0.25	0.25	0.00	0.00	0.00%	0.20%
<b>Sub-Total: Regulatory</b>			<b>5.50</b>		<b>5.50</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.30%</b>
Debt Retirement Charge (DRC)	800.00	0.00700	5.60	0.00700	5.60	0.00	0.00%	4.39%
<b>Total Bill before Taxes</b>			<b>111.86</b>		<b>115.10</b>	<b>3.24</b>	<b>2.89%</b>	<b>89.56%</b>
HST		13%	14.51	13%	14.70	0.20	1.38%	11.50%
<b>Total Bill</b>			<b>126.37</b>		<b>129.80</b>	<b>3.43</b>	<b>2.71%</b>	<b>100.00%</b>
Ontario Clean Energy Benefit (OCEB)		(10%)	(12.81)	(10%)	(12.78)	0.03	0.24%	(0.24)%
<b>Total Bill (less OCEB)</b>			<b>113.57</b>		<b>117.02</b>	<b>3.45</b>	<b>3.04%</b>	<b>100.00%</b>

Rate Class

General Service Less Than 50 kW  
Bill Impact Comparison to Approved 2012 IRM Rates

Monthly Rates and Charges	IRM 2012	Applied For Rate
Service Charge	29.58	29.58
Smart Meter Funding Adder	-	10.40
Source Charge Rate Riders	-	0.00520
Distribution Volumetric Rate	0.00620	(0.00098)
Retail Transmission Rate - Network Service Rate	0.00650	0.00650
Connection Service Rate	0.00460	0.00460
Wholesale Market Service Rate	0.0052	0.00520
Rural Rate Protection Charge	0.0011	0.0011
Standard Supply Service - Administration Charge (if applicable)	0.25	0.25
Debt Retirement Charge (DRC)	0.0070	0.0070
Loss Factor	1.0409	1.0409

Consumption	2,000 kWh	kWh	kWh
IRPP Tier One	600	600	600

Current Loss Factor	1.0409
Proposed Loss Factor	1.0409

General Service Less Than 50 kW	Volume	Current Rate (\$)	Current Charge (\$)	Proposed Rate (\$)	Proposed Charge (\$)	Change (\$)	Change (%)	% of Total Bill
Energy First Tier (kWh)	600.00	0.0750	45.00	0.0750	45.00	0.00	0.00%	14.11%
Energy Second Tier (kWh)	1,481.80	0.0880	130.40	0.0880	130.40	0.00	0.00%	40.88%
<b>Sub-Total: Energy</b>	<b>2,081.80</b>	<b>205.40</b>	<b>175.40</b>	<b>205.40</b>	<b>175.40</b>	<b>0.00</b>	<b>0.00%</b>	<b>54.99%</b>
Service Charge Rate Rider(s)	1	29.58	29.58	29.58	29.58	0.00	0.00%	9.27%
Source Charge Rate Rider(s)	1	0.00	0.00	10.40	10.40	10.40	0.00%	3.85%
Distribution Volumetric Rate	2,080	0.0092	19.40	0.0092	19.40	0.00	0.00%	5.77%
<b>Total: Distribution</b>	<b>2,080</b>	<b>(0.0010)</b>	<b>46.02</b>	<b>(0.0010)</b>	<b>(1.96)</b>	<b>0.00</b>	<b>0.00%</b>	<b>(0.51)%</b>
Retail Transmission Rate - Network Service Rate	2,081.80	0.0065	13.53	0.0065	13.53	0.00	0.00%	4.24%
Retail Transmission Rate - Line and Transformation Connection Service Rate	2,081.80	0.0046	9.58	0.0046	9.58	0.00	0.00%	3.00%
<b>Total: Retail Transmission</b>	<b>2,081.80</b>	<b>0.0046</b>	<b>23.11</b>	<b>0.0046</b>	<b>23.11</b>	<b>0.00</b>	<b>0.00%</b>	<b>7.24%</b>
<b>Sub-Total: Delivery (Distribution and Retail Transmission)</b>	<b>2,081.80</b>	<b>0.0052</b>	<b>69.13</b>	<b>0.0052</b>	<b>79.53</b>	<b>10.40</b>	<b>15.04%</b>	<b>24.83%</b>
Wholesale Market Service Rate	2,081.80	0.0052	10.83	0.0052	10.83	0.00	0.00%	3.39%
Rural Rate Protection Charge	2,081.80	0.0011	2.29	0.0011	2.29	0.00	0.00%	0.72%
Standard Supply Service - Administration Charge (if applicable)	1	0.25	0.25	0.25	0.25	0.00	0.00%	0.08%
<b>Sub-Total: Regulatory</b>	<b>2,080.00</b>	<b>0.0070</b>	<b>14.90</b>	<b>0.0070</b>	<b>14.90</b>	<b>0.00</b>	<b>0.00%</b>	<b>4.19%</b>
Debt Retirement Charge (DRC)	2,081.80	0.0070	14.90	0.0070	14.90	0.00	0.00%	4.39%
<b>Total Bill before Taxes</b>	<b>2,081.80</b>	<b>0.0011</b>	<b>271.89</b>	<b>0.0011</b>	<b>282.29</b>	<b>10.40</b>	<b>3.83%</b>	<b>88.50%</b>
HST	2,081.80	13%	35.35	13%	38.70	3.35	3.83%	11.90%
<b>Total Bill</b>	<b>2,081.80</b>	<b>0.0011</b>	<b>307.24</b>	<b>0.0011</b>	<b>318.99</b>	<b>11.75</b>	<b>3.83%</b>	<b>100.00%</b>
Ontario Clean Energy Benefit (OCEB)			<b>-36.72</b>		<b>-31.90</b>	<b>4.82</b>		
<b>Total Bill (less OCEB)</b>			<b>270.52</b>		<b>287.09</b>	<b>16.57</b>	<b>3.83%</b>	

**Appendix D: 2012 Smart Meter SMDR SMIRR Calculations**





Smart Meter Incremental Rate Rider (SMIRR) by Rate Class			
	Residential	GS < 50 kW	Total
<b>Allocation Factors</b>			
Average Smart Meter Unit Cost	\$ 100.84	\$ 250.86	
Smart Meter Cost	\$ 13,584,560	\$ 3,000,787	\$ 16,585,347
Allocation by Meters Costs	81.91%	18.09%	100.00%
Meters Installed	134,714	11,962	146,676
Allocation by Meters Installed	91.84%	8.16%	100.00%
Total Before PILS	\$ 3,624,596	\$ 710,151	\$ 4,334,747
Allocation by Total Before PILS	83.62%	16.38%	100.00%

<b>Revenue Requirement (2012) Allocated:</b>			
Return (Deemed Interest and Return on Equity)	\$ 1,125,087	\$ 248,528	\$ 1,373,615
Amortization	\$ 1,814,348	\$ 400,784	\$ 2,215,132
OM&A	\$ 685,161	\$ 60,839	\$ 746,000
Total Before PILS	\$ 3,624,596	\$ 710,151	\$ 4,334,747
PILS	\$ 80,191	\$ 15,711	\$ 95,902
Total Revenue Requirement Allocated	\$ 3,704,786	\$ 725,863	\$ 4,430,649

<b>Smart Meter Incremental Rate Rider (SMIRR) Recovery</b>			
Meters Installed (Average)	134,764	11,880	146,644
Recovery	\$ 2.30	\$ 5.10	\$ 2.52

Monthly Recovery	\$ 308,732	\$ 60,489	\$ 369,221
Recovery May 1 to August 31, 12	\$ 1,234,929	\$ 241,954	\$ 1,476,883
Recovery September 1, 2012 to April 30, 2013	\$ 2,469,857	\$ 483,908	\$ 2,953,766
	\$ 3,704,786	\$ 725,863	\$ 4,430,649

Transfer to SMDR per Board Decision

SMIRR for September 1, 2012 through April 30, 2012

<b>Smart Meter Incremental Rate Rider (SMIRR) Recovery</b>			
Meters Installed (Average)	134,764	11,880	146,644
Recovery	\$ 2.30	\$ 5.10	\$ 2.52