Filed: February 19, 2007 EB-2007-0542 Exhibit B Tab 1 Schedule 1 Page 1 of 3

1	DF	EVELOPMENT OF DISTRIBUTION RATES FOR MAY 1, 2007
2	1.0	DERIVATION OF PROPOSED 2007 DISTRIBUTION RATES FOR
4		CORE, ACQUIRED AND EMBEDDED CUSTOMERS
5		
6	Hydro	One Distribution's proposed 2007 Distribution rates were derived following the
7	OEB (Guidelines on 2007 Incentive Rate Mechanism (IRM) Adjustment issued December
8	20, 20	06.
9		
10	2.0	CORE AND ACQUIRED DISTRIBUTION RATES
11		
12	The st	eps followed to derive the proposed 2007 Distribution rates for Core and Acquired
13	custon	ner classes were:
14		
15	1.	From the current Distribution rates for Core and Acquired customers, the basic
16		distribution rates were identified. This was done by deducting from the total
17		volumetric distribution rates the Regulatory Rate riders 1 and 2, and deducting
18		from the monthly fixed charges the current smart meter rate rider of
19		\$0.27/metered customer.
20		
21	2.	The derived basic distribution rates were increased by 0.477%, reflecting the
22		GDP-IPI price escalator factor of 1.92% less Productivity Gain of 1%, less the
23		impact of the elimination of the Large Corporation Tax (LCT) of 0.443%.
24		(source: OEB Guidelines on 2007 Incentive Rate Mechanism (IRM) Adjustment
25		issued December 20, 2006, Section 4.2.3)
26		
27	3.	To the 2007 proposed basic distribution volumetric rates derived in step 2 above,
28		the Regulatory Rate riders 1 and 2 were added back to calculate the total proposed
29		volumetric distribution rates for 2007 for Core and Acquired customer classes.

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4. To the 2007 proposed basic distribution fixed charge derived in step 2 above, the
 proposed smart meter rate rider of \$0.93 per metered customer per month was
 added to calculate the total proposed fixed monthly distribution service charge for
 2007 for Core and Acquired customer classes. (source: OEB Guidelines on 2007
 Incentive Rate Mechanism (IRM) Adjustment issued December 20, 2006, Section
 4.2.1)

7 8

3.0 EMBEDDED CUSTOMERS LOW VOLTAGE (LV) RATES

9

The current LV rates were increased by 0.477% to derive the proposed 2007 LV rates. The current LV rates are all volumetric rates, there is no fixed charge and the Regulatory Rate riders 1 and 2 are separate fixed dollar amounts, therefore, the LV rates do not need to be adjusted prior to applying the 2007 IRM factor of 0.477%.

14

Regulatory Rate Riders 1 and 2 for Embedded Directs and LDCs are unchanged from the
amounts approved by the Board in RP-2005-0013/EB-2005-0098 and RP-2005-0020/EB2005-0378 proceedings.

18

19 4.0 SMART METER RATE RIDER

20

The derivation of the proposed smart meter rate rider of \$0.93 per metered customer per month is described in Exhibit B, Tab 1, Schedule 2.

23

5.0 LARGE CORPORATION TAX (LCT)

25

24

The impact of the elimination of the Large Corporation Tax (LCT) of 0.443% is derived by dividing the impact of the Large Corporation Tax elimination of \$4.1 million over the approved Revenues Requirement excluding miscellaneous revenues of \$925 million.

Filed: February 19, 2007 EB-2007-0542 Exhibit B Tab 1 Schedule 1 Page 3 of 3

1 6.0 BILL IMPACT ANALYSIS

As per the OEB guidelines, Hydro One Distribution is including the bill impact on total bill calculations for Core and Acquired customer classes based on Summer threshold, Winter threshold, and average annualized threshold. The impacts are included with the proposed Rate Schedules in Exhibits C and D.

7

2

8 7.0 RATE SCHEDULES

9

The current and proposed rate schedules are included in Exhibit C, D, and E for Core,
Acquired, and Embedded LV customers.

12

13 Miscellaneous Charges Rate Schedules are unchanged from the approved charges in 2006

and are included with the proposed Rate Schedules in Exhibits C, D, and E.

Filed: February 19, 2007 EB-2007-0542 Exhibit B Tab 1 Schedule 2 Page 1 of 8

SMART METER RATE RIDER

2 3

4

1

1.0 INTRODUCTION

In accordance with the Ontario Energy Board's ("the Board") letter of direction dated October 13, 2006, and the subsequent filing guidelines issued on October 26, 2006, Hydro One Networks filed the Company's smart meter investment plan for the 2006 – 2007 time period with the Board on December 15, 2006. This application for a smart meter rate rider is consistent with the December filing with the exception of the deferral of certain expenditures described in Section 4.0 of this exhibit and the inclusion of actual 2006 smart meter expenditures.

12

The government past regulations authorizing Hydro One Distribution to procure smart meters based on its Request for Proposal ("RFP") issued in March of 2005. The regulations also permit distributors to recover the cost associated with smart meters in their distribution rates subject to final approval from the Ontario Energy Board.

17

The Ontario government's smart meter initiative requires the implementation of 800,000 smart meters by 2007 with full implementation throughout the entire province by 2010. Hydro One Distribution's share of the government's smart meter target by the end of 2007 is approximately 240,000 meters.

22

Hydro One Distribution did not file a specific smart meter investment plan as part of its 2006 EDR rate application. In accordance with the Board's EB-2005-0529 Generic 25 Decision, a \$0.30 meter cost per residential customer per month was reflected in Hydro 26 One Distribution's revenue requirement and implemented as a charge of \$0.27 per metered 27 customer consistent with the Board's direction in the RP-2005-0020/EB-2005-0378 28 Decision. This smart meter rate rider was applied to all metered customers and recovered 29 through their monthly service charges as of May 1, 2006.

Filed: February 19, 2007 EB-2007-0542 Exhibit B Tab 2 Schedule 1 Page 2 of 8

On March 17, 2005, the Board approved Hydro One Distribution's plan for CDM. In this plan, \$7.8 million was allocated to the smart metering program to address initial start-up costs and deployment. In order to meet government smart meter targets Hydro One Distribution forecasts that approximately \$80 million in capital expenditures will be required through the end of 2007.

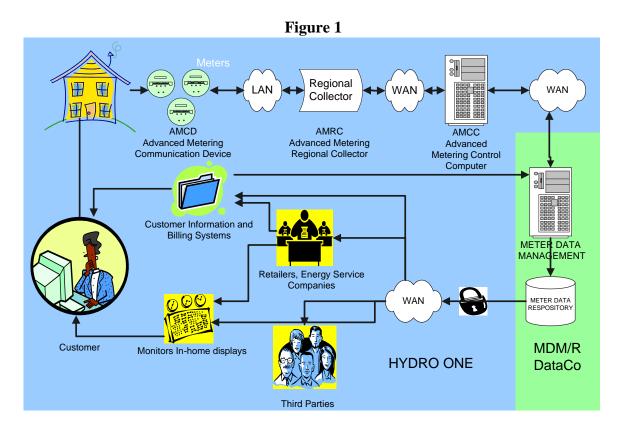
6

7 8

2.0 SMART METER INFRASTRUCTURE REQUIREMENTS

9 Figure 1 outlines the roles of the various parties who will be involved in the smart meter
10 initiative.

- 11
- 12



Since Hydro One Distribution will rely on DataCo to provide the meter data
 management/repository ("MDM/R") functionality, no costs have been included in Hydro
 One Distribution's cost estimate for this activity.

Filed: February 19, 2007 EB-2007-0542 Exhibit B Tab 1 Schedule 2 Page 3 of 8

1 2

3.0 **SMART METER DEPLOYMENT**

As of December 31, 2005 Hydro One Distribution served approximately 1.1 million 3 customers and is forecast to grow to 1.3 million customers by the end of 2010. 4

Table 1 outlines Hydro One Distribution's meter deployment plan for the period 2006 6 through December 31, 2007. 7

8 9

5

10 11

Table 1
Smart Meter Deployment Forecast (000's)

Activity	2006	2007	Program to Date December 31, 2007
Total Meters Deployed	28	212	240

12

4.0 **SMART METER PROJECT COSTS** 13

14

Table 2 outlines Hydro One Distribution's forecast of the costs to implement the smart 15 meter program through December 31, 2007.

- 17

16

- 18

19

Table 2

Forecast of Expenditures (\$ millions)

	2006	2007	Program to Date December 31, 2007
Capital	9	71	80
OM&A	5	8	13

20

Table 3 provides further detail of the smart meter expenditure components. Specific costing 21

for Hydro One is filed within the Smart Meter Rate Calculation Model filed as Appendix B 22

in this Exhibit. 23

Filed: February 19, 2007 EB-2007-0542 Exhibit B Tab 2 Schedule 1 Page 4 of 8

1

2

3

4

Table 3
Capital and OM&A Details

\$ millions	2006	2007	Program to Date December 31, 2007
Capital			
Smart Meter Deployment	4	34	38
Computer Hardware	0	18	18
Computer Software	5	19	24
Total Capital	9	71	80
OM&A			
Development & Sustainment	5	8	13

5

Note: The Smart Meter Plan filed with the Board on December 15, 2006 included the original 2006 forecast expenditures for 2006 of \$27 million. The current lower actual amount was the result of a temporary suspension in the mass deployment in the last quarter of 2006 while some meter installation problems were resolved. Installation resumed in mid-January of 2007.

10

As mentioned in the introduction of this exhibit, a number of cost items that were contained
 in Hydro One's December 15, 2006 filing are now being deferred beyond 2007.
 Specifically the costs in this application exclude:

14

15 1. Costs associated with repairs to customer equipment. Based on installations that 16 Hydro One Distribution has completed to date, it is estimated that 10% of future 17 customer meter changes will require some form of additional attention. This could 18 include a second trip for the replacement of a customer's meter base or an electrical 19 service upgrade. The average cost of this work has been estimated at \$500 per 20 occurrence and was initially included in the forecast expenditures.

Filed: February 19, 2007 EB-2007-0542 Exhibit B Tab 1 Schedule 2 Page 5 of 8

- Capital and OM&A for customers with greater than 50kW of demand. Although it
 is anticipated that these customers will have smart meters by 2010 the OEB model
 and Ontario Regulation 425/06 of the Electricity Act, 1998 currently place these
 customers out of scope.
- 5

Gapital and sustainment costs for a transaction management system that would
 provide an integration point between the central meter data management repository
 (MDMR) and Hydro One's CIS and / or AMR systems. Due to the complexity and
 timeliness of such a system, which is still under development, the costs associated
 with this system have been deferred beyond 2007.

11

In deferring the above costs Hydro One is balancing cost recovery for known items with the cost exposure resulting from a number of current uncertainties. As the province's smart meter initiative evolves, Hydro One will refine its projections for future rate filings. Actual costs will continue to be tracked against revenues in Board approved variance accounts.

16

17 **5.0**

RURAL SERVICE

18

Hydro One Distribution is unique in the province in its customer density makeup. Hydro 19 One Distribution customers average less than 10 customers per kilometer of line while its 20 urban counterparts average 60-70 customers per kilometer of line. As well Hydro One 21 Distribution operates in areas of heavy forestation and rugged terrain. The result is that both 22 the cost of meter installations and telecommunications to the meter will be higher. To 23 compensate for the lower density on the telecommunications, Hydro One Distribution plans 24 to deploy a wireless technology with radios that transmit and receive power at ten times the 25 power of the urban equivalents. Hydro One Distribution has also estimated that a larger 26 number of signal repeaters and collectors will be required to ensure the Company is capable 27 of meeting the AMI specifications captured in the Ontario regulations. 28

Filed: February 19, 2007 EB-2007-0542 Exhibit B Tab 2 Schedule 1 Page 6 of 8

1 6.0 CONDOMINIUMS

2

At this time regulations that address the requirement for smart meters in individual condominiums are in "draft" only. In their current form, the regulations place the responsibility for sub-metering on the condominium corporation. As a result we have not included any allowance for smart meters in condominiums or any other bulk metered customer facility (e.g. apartments, trailer parks, industrial complexes, etc.) in our smart meter forecast.

9

10 7.0 EXTENDED OUTAGE DETECTION

11

Hydro One's smart meter vendor had extended outage detection capability as part of its product offering. This feature is above the minimum requirement in the regulations however Hydro One believes there are real customer benefits associated with this function and is building this capability into its ongoing AMI deployment. Associated costs have not been included in this filing.

17

18

8.0 REVENUE REQUIREMENT AND RATE RIDER DETERMINATION

19

As per Table 4, Hydro One Distribution will require an increase in the monthly smart meter rate rider which is currently set at \$0.27 per metered customer (\$0.30 per residential equivalent). The table shows a revenue requirement of \$0.93 per metered customer per month. Details with respect to this calculation are filed as Appendix B in this Exhibit.

24

Hydro One Distribution, as part of its 2007 rate application, is therefore requesting the
Board approve an adjustment to the smart meter rate rider to cover this deficit.

Filed: February 19, 2007 EB-2007-0542 Exhibit B Tab 1 Schedule 2 Page 7 of 8

Table 4Smart Meter Revenue Requirement Analysis\$ millions

	Rate Year 2007/2008
Net Fixed Assets	42
Working Capital	1
Rate Base	43
Revenue Requirement	
OM&A	8
Depreciation	5
Return on Rate Base	3
Pils	(3)
Revenue Requirement	13
Customers	1.2
Dollars/Customer/Month	0.93

5 6

1

2

3 4

9.0 IMPLEMENTATION TIMING

7

Per the Board's Decision in the RP-2005-0020/EB-2005-0529 proceeding and subsequent 8 letter of June 13, 2006, Hydro One Distribution established two variance accounts to track 9 actual capital and operating expenses net of the \$0.27 per metered customer per month 10 charge currently being collected from customers and the CDM funding granted. As of 11 December 31, 2006, the debit balance in these accounts net of revenue collected was \$12.6 12 million. Without the proposed rate rider increase, the balance in the deferral account will 13 continue to grow. By increasing the rate rider to \$0.93 on May 1, 2007 future rate shocks 14 associated with having to recover a large variance account deficiency will be lessened. The 15 Board will be able to track Hydro One Distribution's actual costs versus the smart meter 16

Filed: February 19, 2007 EB-2007-0542 Exhibit B Tab 2 Schedule 1 Page 8 of 8

forecast and be in position to make any adjustments if necessary in a subsequent rate
 proceeding.

3

4 10.0 RECOVERY OF STRANDED METER COSTS

5

Hydro One Distribution does not require any incremental relief to recover stranded capital
costs of the conventional meters being replaced under this program. Hydro One
Distribution's depreciation expense within its approved revenue requirement under RP2005-0020/EB-2005-0378, includes the impact of amortizing all of these older generation
meters on straight-line basis over a period ending in 2010.

Filed: February 19, 2006 EB-2007-0542 Exhibit B Tab 1 Schedule 2 Page 1 of 3

APPENDIX A

- 3 Description of Hydro One's application of the EDR Smart Meter rate calculation
- 4 model
- 5

Appendix A

DESCRIPTION OF HYDRO ONE'S APPLICATION OF THE EDR SMART METER RATE CALCULATION MODEL

Smart Meter Unit Cost

1) Smart Meter Unit Cost

The smart meter unit cost is based on the material cost of the meter and the communication module under glass only and reflects the price for 2007. It does not include any customer equipment costs or any required socket adaptors.

2) Smart Meter Installation Cost per Unit

Smart meters (<50 kW) are installed by Hydro One under two work programs which are the Community Rollout Program (CRP) and the Failed Meter Program (FMP). The CRP is a mass market approach to broadly install smart meters to meet the provincial government's targets. Meters installed under the FMP program also contribute toward meeting the government target but they have an added requirement of complying with Measurement Canada's regulation for testing and reverifying operating meters.

Hydro One's rollout plan starts in urban areas and then moves to rural areas.

3) Smart Meter Other Cost Per Unit

Hydro One's residential customers span the province and includes many rural areas where population density is low. To ensure that smart meters are deployed in a timely, orderly and efficient manner, Hydro One developed a meter logistic and deployment plan and the associated costs of implementation are included in this estimate.

AMI Capital Cost

4) AMI Computer Hardware Costs

AMI computer hardware includes the costs for mesh gates, mesh repeaters, collectors as well as associated installation costs, and computer servers to operationalize the AMI.

5) AMI Computer Software Costs

AMI computer software includes the costs for software license fees, attending professional services and one time telecom activation fees to operationalize the AMI.

Other Capital Cost

6) Other Computer Hardware Costs

Other computer hardware costs consist mainly of customer information system changes.

7) Other Computer Software Costs

Other computer software costs include developmental servers and associated software licenses; program management; external advisors; overhead, carrying charge and procurement.

Incremental AMI Operational Expenses

8) Incremental AMI O&M Expenses

Incremental AMI O&M expenses include costs for the maintenance for mesh gates, mesh repeaters, software license maintenance, higher field operating costs and ongoing telecommunications charges for operationalizing the AMI.

9) Incremental AM&I Admin Expenses

Incremental AMI Admin expenses cover the costs for managing surplus meters that have been replaced by smart meters.

Incremental Other Operational Expenses

10) Incremental Other O&M Expenses

Incremental other O&M expenses include business process redesign to accommodate the operation of smart meters, maintenance of developmental servers and customer-related costs such as billing inquiries, call handling and customer communications.

11) Incremental Other Operational Expenses

Incremental other operating expenses consist of costs for day to day program management; and project communication and change management.

Filed: February 19, 2006 EB-2007-0542 Exhibit B Tab 1 Schedule 2 Page 1 of 8

APPENDIX B

2007 EDR SMART METER RATE CALCULATION MODEL

5 (modified to reflect Hydro One's. approved Capital Structure, Working Capital and

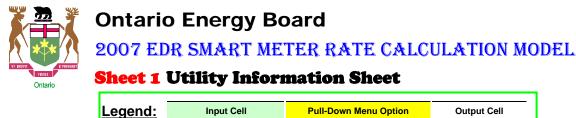
6 Depreciation rates and the description of the Smart Meters unit installation plan in the

- 7 model)
- 8

1

2

3



egend:	Input Cell	Pull-Down Menu Option	Output Cell	
	From Another Sheet	To The 2007 IRM Model	To Another Sheet	

Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.

Name of LDC:	Hydro One Networks Inc.			
Licence Number:	ED-2003-0043	Smart	Meter Grouping:	Listed
IRM 2007 EB Number:	EB-2007-0542			
EDR 2006 RP Number:	RP-2005-0020	EDR 2006 EB Number:	EB-2005-0378	
Date of Submission:		Revision:	0	
Version:	1.0			
Contact Information				
Name:	Mr. Glen MacDonald			
Title:	Senior Advisor – Regulator	ry Affairs]	
Phone Number:	(416) 345-5913			
E-Mail Address:	glen.e.macdonald@Hydro0	<u>Une.com</u>		

Please Note: In the event of an inconsistency between this model and any element of the January 2007 "Report of the Board on 2nd Generation Incentive Regulation of Ontario's Electricity Distributors - Addendum for Smart Metering Rates ", the Report governs.

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This Distribution Rate model is protected by copyright and is being made available to you solely for the purpose of preparing or reviewing an Distribution Rate 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 assisting you assisting you in preparing or reviewing an Distribution Rate application, you must ensure that the person understands and agrees to the restrictions noted above.

EB-2007-0542

Ontario

Saturday, January 00, 1900

Sheet 2. Smart Meter Capital Cost and Operational Expense Data

2010 	0 Total 240,000 - 240,000
	240,000
	240,000
	240,000
2010	
2010	
2010	
2010	
2010	
2010	
2010	
2010	
2010	Total
	\$ 5,321,559
2010	-
	\$ 7,011,778
- \$ -	\$ 12,333,337 H
2010 - \$ -	Total \$ 12,593,880
	1 () (
	\$ 16,654,128
- \$ -	\$ 29,248,008 K
2010	Total \$ 5,818,143
	\$ 10,140
- \$ -	\$ 5,828,283 N
2010	Total \$ 4,347,316
	\$ 2,798,212
	\$ 7,145,528 Q

Other - Cost or expenses not AMI but does not include stranded assets

2007 EDR SMART METER RATE CALCULATION MODEL

Hydro One Networks Inc.

EB-2007-0542 Saturday, January 00, 1900

Sheet 3. LDC Assumptions and Data

Assumptions:

Ontaric

- 1. Planned meter installations occur evenly through the year.
- 2. Year assumed January to December
- 3. Amortization is straight line and has half year rule applied in first year

2006 EDR Data Information

Deemed Debt (from 2006 EDR Sheet "3-2 COST OF CAPITAL (Input)" Cell C 18) Deemed Equity (from 2006 EDR Sheet "3-2 COST OF CAPITAL (Input)" Cell C 19) Weighted Debt Rate (from 2006 EDR Sheet "3-2 COST OF CAPITAL (Input)" Cell C 25) Proposed ROE (from 2006 EDR Sheet "3-2 COST OF CAPITAL (Input)" Cell E 32)

Weighted Average Cost of Capital

Working Capital Allowance %

2006 EDR Total Metered Customers

Sum of Residential, General Service, and Large User

from 2006 EDR Sheet "7-1 ALLOCATION - Base Rev. Reg." Cells H16 thru H93

2006 EDR Tax Rate

Corporate Income Tax Rate

(from 2006 PILs Sheet "Test Year PILs, Tax Provision" Cell D 14)

Capital Data:

Smart meter including installation (\$162 times Planned Meters Installed) Computer Hardware Costs 2. Smart Meter Data; AMI (F) plus Other (I) Computer Software Costs 2. Smart Meter Data; AMI (G) plus Other (J) Total Computer Costs 2. Smart Meter Data; AMI (H) plus Other (K)

LDC Amortization Policy:

Smart Meter Amortization Rate Enter Amortization Policy Computer Hardware Amortization Rate Enter Amortization Policy Computer Software Amortization Rate Enter Amortization Policy

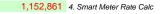
Operating Expense Data:

Incremental O&M Expenses 2. Smart Meter Data; AMI (L) plus Other (O) Incremental Admin Expenses 2. Smart Meter Data; AMI (M) plus Other (P) Total Incremental Operating Expense 2. Smart Meter Data; AMI (N) plus Other (Q)

Per Meter Cost Split:	Pe
Smart meter including installation	\$
Computer Hardware Costs	\$
Computer Software Costs	\$
Smart meter incremental operating expenses	\$
Total Smart Meter Capital Costs per meter	\$ 3

60%	4. Smart Meter Rate Calc
40%	4. Smart Meter Rate Calc
5.93%	4. Smart Meter Rate Calc
8.65%	4. Smart Meter Rate Calc
7.02%	





	36.12%	5. PILs				
	2006	2007	2008	2009	2010	Total
\$	4,536,000	\$ 34,344,000	\$ -	\$ -	\$ -	\$ 38,880,000
\$	-	\$ 17,915,439				\$ 17,915,439
\$	4,552,220	\$ 19,113,686				\$ 23,665,906
\$	9,088,220	\$71,373,125	\$ -	\$ -	\$ -	\$ 80,461,345
6.	SM Avg Net Fixe	d Assets &UCC				

	15	Ye	ars	6. SM A	vg Net Fixed	l Ass	ets &UCC		
	5	Ye	ars	6. SM A	vg Net Fixed	l Ass	ets &UCC		
	10	Ye	ars	6. SM A	vg Net Fixed	l Ass	ets &UCC		
	2006		2007		2008		2009	2010	Total
\$	3,831,498	\$	6,333,962						\$ 10,165,460
\$	1,072,777	\$	1,735,575						\$ 2,808,352
\$	4,904,275	\$	8,069,537	\$	-	\$	-	\$ -	\$ 12,973,812

4. Smart Meter Rate Calc

	Per Meter	Installed	Investment	% of Invest
	\$ 162.00	240,000	\$ 38,880,000	42%
	\$ 74.65	240,000	\$ 17,915,439	0%
	\$ 98.61	240,000	\$ 23,665,906	0%
_	\$ 54.06	240,000	\$ 12,973,812	0%
	\$ 389.31		\$ 93,435,157	42%



Smart Meter Rate Calculation

Average Asset Values	2	2007	1	
Net Fixed Assets Smart Meters (6. SM Avg Net Fixed Assets &UCC)	\$ 20,833,20		1	
Net Fixed Assets Computer Hardware (6. SM Avg Net Fixed Assets &UCC)	\$ 8,061,94			
Net Fixed Assets Computer Software (6. SM Avg Net Fixed Assets &UCC)	\$ 13,175,99	9		
Total Net Fixed Assets	\$ 42,071,14	6 \$ 42,071,146		А
Working Capital				
Operation Expense	\$ 8,069,53			
Working Capital 11.6 %	\$ 936,06	6 \$ 936,066		В
Smart Meters included in Rate Base		\$ 43,007,213	- -	C = A + B
Return on Rate Base				
Deemed Debt (3. LDC Assumptions and Data)	60.0%	\$ 25,804,328		D = C * Deemed Debt
Deemed Equity (3. LDC Assumptions and Data)	40.0%	\$ 17,202,885 \$ 43,007,213	-	E = C * Deemed Equity
Weighted Debt Rate (3. LDC Assumptions and Data)	5.9%	\$ 1,530,197	-	F = D * Weighted Debt Rate
Proposed ROE (3. LDC Assumptions and Data)	8.7%	\$ 1,488,050		G = E * Proposed ROE
Return on Rate Base		\$ 3,018,246	- \$ 3,018,246	H = F + G
		<u> </u>	_ + _,,	
Operating Expenses				
Incremental Operating Expenses (3. LDC Assumptions and Data)			\$ 8,069,537	1
Amortization Expenses				
Amortization Expenses - Smart Meters (6. SM Avg Net Fixed Assets &UCC)		\$ 1,447,200		
Amortization Expenses - Computer Hardware (6. SM Avg Net Fixed Assets &UCC)		\$ 1,791,544		
Amortization Expenses - Computer Software (6. SM Avg Net Fixed Assets &UCC)		\$ 1,410,906	·	
Total Amortization Expenses			\$ 4,649,650 5. PILs	J
Revenue Requirement Before PILs			\$ 15,737,433	K = H + I + J
Calculation of Taxable Income				
Incremental Operating Expenses			-\$ 8,069,537	1
Depreciation Expenses			-\$ 4,649,650	J
Interest Expense			-\$ 1,530,197	F
Taxable Income For PILs			\$ 1,488,050 5. PILs	L = K - I - J - F
Grossed up PILs (5. PILs)			-\$ 2,885,611	М
Revenue Requirement Before PILs			\$ 15,737,433	ĸ
Grossed up PILs (5. PILs) Revenue Requirement for Smart Meters			<u>-\$ 2,885,611</u> \$ 12,851,822	M $N = K + M$
2007 Smart Meter Rate Adder				
Revenue Requirement for Smart Meters			\$ 12,851,822	Ν
2006 EDR Total Metered Customers (3. LDC Assumptions and Data)			1,152,861	0 = 2006 EDR Total Metered Customers
Annualized amount required per metered customer			\$ 11.15	P = N / O
Number of months in year			12	Q
2007 Smart Meter Rate Adder			\$ 0.93 Enter this amount in	R = P / Q
			the 2007 IRM Model	
			sheet "4. 2006 Smar	
			Meter Information" in cells F 17 thru F 32 (
			required)	as
			required)	



2007 EDR SMART METER RATE CALCULATION MODEL Hydro One Networks Inc. EB-2007-0542 Saturday, January 00, 1900 Sheet 5. PILS

PILs Calculation

Net Income (4. Smart Meter Rate Calc)	\$ 1,488,05
Amortization (4. Smart Meter Rate Calc)	\$ 4,649,65
CCA - Class 47 (8%) Smart Meters (6. SM Avg Net Fixed Assets &UCC)	-\$ 1,722,12
CCA - Class 45 (45%) Computers (6. SM Avg Net Fixed Assets &UCC)	-\$ 9,919,14
Change in taxable income	-\$ 5,503,56
Tax Rate (3. LDC Assumptions and Data)	36.12
Income Taxes Payable	-\$ 1,987,88

ONTARIO CAPITAL TAX	
Smart Meters (6. SM Avg Net Fixed Assets &UCC)	\$37,281,600
Computer Hardware (6. SM Avg Net Fixed Assets & UCC)	\$16,123,895
Computer Software (6. SM Avg Net Fixed Assets & UCC)	\$22,027,389
Rate Base	\$75,432,884
Less: Exemption	\$ -
Deemed Taxable Capital	\$75,432,884
Ontario Capital Tax Rate	0.300%
Net Amount (Taxable Capital x Rate)	\$ 226,299

Gross Up

•	PILs Payable	Gross Up	Grossed Up PILs	
Change in Income Taxes Payable	-\$ 1,987,888	36.12%	-\$ 3,111,909	
Change in OCT	\$ 226,299		\$ 226,299	
PIL's	-\$ 1,761,589		-\$ 2,885,611	4. Smart Meter Rate Calc



2007 EDR SMART METER RATE CALCULATION MODEL Hydro One Networks Inc. EB-2007-0542 Saturday, January 00, 1900 Sheet 6. SM Avg Net Fixed Assets &UCC

Smart Meter Average Net Fixed Assets

Net Fixed Assets - Smart Meters	2006		2007	
Opening Capital Investment	\$ -	\$	4,536,000	-
Capital Investment Year 1 (3. LDC Assumptions and Data)	\$ 4,536,000	Ψ	1,000,000	-
Capital Investment Year 2 (3. LDC Assumptions and Data)		\$	34,344,000	
Closing Capital Investment	\$ 4,536,000	\$	38,880,000	
Opening Accumulated Amortization	\$ -	\$	151,200	-
Amortization Year 1 (15 Years Straight Line)	\$ 151,200	\$	302,400	•
Amortization Year 2 (15 Years Straight Line)		\$	1,144,800	_
Closing Accumulated Amortization	\$ 151,200	\$	1,598,400	-
Opening Net Fixed Assets	\$ -	\$	4,384,800	-
Closing Net Fixed Assets	\$ 4,384,800	\$	37,281,600	5. PILs
Average Net Fixed Assets	\$ 2,192,400	\$	20,833,200	4. Smart Meter Rate Calc
Net Fixed Assets - Computer Hardware	2006		2007	
Opening Capital Investment	\$ -	\$	-	
Capital Investment Year 1 (3. LDC Assumptions and Data)	\$ -			-
Capital Investment Year 2 (3. LDC Assumptions and Data)		\$	17,915,439	_
Closing Capital Investment	\$ -	\$	17,915,439	
Opening Accumulated Amortization	\$ -	\$	-	-
Amortization Year 1 (5 Years Straight Line)	\$ -	\$	-	-
Amortization Year 2 (5 Years Straight Line)		\$	1,791,544	_
Closing Accumulated Amortization	\$ -	\$	1,791,544	
Opening Net Fixed Assets	\$ -	\$	-	-
Closing Net Fixed Assets	\$ -	\$	16,123,895	5. PILs
Average Net Fixed Assets	\$ -	\$	8,061,947	4. Smart Meter Rate Calc
Net Fixed Assets - Computer Software	2006		2007	
Opening Capital Investment	\$ -	\$	4,552,220	-
Capital Investment Year 1 (3. LDC Assumptions and Data)	\$ 4,552,220			
Capital Investment Year 2 (3. LDC Assumptions and Data)		\$	19,113,686	-
Closing Capital Investment	\$ 4,552,220	\$	23,665,906	<u>.</u>
Opening Accumulated Amortization	\$ -	\$	227,611	
Amortization Year 1 (10 Years Straight Line)	\$ 227,611	\$	455,222	
Amortization Year 2 (10 Years Straight Line)		\$	955,684	
Closing Accumulated Amortization	\$ 227,611	\$	1,638,517	<u>.</u>
Opening Net Fixed Assets	\$ -	\$	4,324,609	-
Closing Net Fixed Assets	\$ 4,324,609	\$	22,027,389	5. PILs
Average Net Fixed Assets	\$ 2,162,305	\$		4. Smart Meter Rate Calc
-	 			



2007 EDR SMART METER RATE CALCULATION MODEL Hydro One Networks Inc. EB-2007-0542 Saturday, January 00, 1900 Sheet 6. SM Avg Net Fixed Assets &UCC

For PILs Calculation

UCC - Smart Meters

2006		2007	
\$ -	\$	4,354,560	
\$ 4,536,000	\$	34,344,000	
\$ 4,536,000	\$	38,698,560	
\$ 2,268,000	\$	17,172,000	
\$ 2,268,000	\$	21,526,560	
 8%		8%	
\$ 181,440	\$	1,722,125 5	5. PILs
\$ 4,354,560	\$	36,976,435	
2006		2007	
\$ -	\$	3,527,971	
\$ -	\$	17,915,439	
\$ 4,552,220	\$	19,113,686	
4,552,220	\$	40,557,096	
2,276,110			
\$ 2,276,110	\$, ,	
 45%		45%	
\$ 1,024,250	\$	9,919,140 5	5. PILs
\$ 3 527 971	¢	30 637 056	
• •	\$ \$ 4,536,000 \$ 4,536,000 \$ 2,268,000 \$ 2,268,000 \$ 2,268,000 8% \$ 181,440 \$ 4,354,560 2006 \$ - \$ - \$ 4,552,220 \$ 4,552,220 \$ 4,552,220 \$ 4,552,220 \$ 2,276,110 \$ 2,276,110 \$ 2,276,110 \$ 2,276,110	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

Filed: February 19, 2007 EB-2007-0542 Exhibit B Tab 1 Schedule 3 Page 1 of 1

INTERIM TIME-OF-USE (TOU) RATES

Hydro One Distribution received Board approval for interim TOU rates as part of its
C&DM programs on November 10, 2004 as part of the RP-2004-0457/EB2004-0203
proceeding. The interim TOU rates approval expires on September 30, 2007 at the same
time as the C&DM programs.

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1 2

Hydro One Distribution requests Board approval to extend the Interim TOU rates until
Hydro One Distribution files and implements a new set of Distribution rates as part of the
Board's rebasing process to establish future Distribution rates.

11

The difference between distribution revenues at standard rates and at interim TOU rates 12 are being charged to Hydro One Distribution's C&DM program until the end of 13 September 2007. The difference is approximately \$30,000 to \$35,000 per month. Hydro 14 One Distribution requests that they be allowed to accrue the difference in charges 15 commencing October 2007 until Hydro One Distribution applies and implements a new 16 set of Distribution rates. The difference in charges will be allocated to the C&DM 17 program funds up to and including the amount available in that account. If charges 18 exceed the amount in the C&DM program fund, Hydro One Distribution requests that a 19 variance account be established where any remaining difference in charges may be 20 accrued. 21