

Board Staff Interrogatories

2011 IRM3 Electricity Distribution Rates Middlesex Power Distribution Corporation – Newbury ("Middlesex Power – Newbury") EB-2010-0275

1. Ref: 2011 IRM Rate Generator Model, Sheet 4.1 Current Rates and Charges
Sheet C4.1 Current Rates & Charges General is reproduced below.

CURRENT MONTHLY RATES AND CHARGES

Residential

Monthly Rates and Charges - Delivery Component

Service Charge	\$	11.90
Service Charge Smart Meters	\$	1.00
Distribution Volumetric Rate	\$/kWh	0.0120
Low Voltage Volumetric Rate	\$/kWh	0.0043
Distribution Volumetric Regulatory Asset Recovery – effective until April 30, 2013	\$/kWh	0.0064
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0060
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0054

Monthly Rates and Charges - Regulatory Component

Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

The descriptions for all rate classes are not identical to Middlesex Power - Newbury's current Tariff sheet:

- a) If the descriptions provided are correct, please provide evidence supporting the new descriptions. If the descriptions are incorrect, please re-file sheet C4.1 with the correct descriptions and Board staff will make the necessary changes to the model.

2. Ref: 2011 Transmission Service Rates (“RTSR”) Adjustment Workform
 Sheet B1.2 – 2009 Distributor Billing Determinants is reproduced below.

2009 Distributor Billing Determinants

Enter the most recently reported RRR billing determinants

Loss Adjusted Metered kWh Yes

Loss Adjusted Metered kW No

Rate Class	Vol Metric	Metered kWh A	Metered kW B	Applicable Loss Factor C	Load Factor D = A / (B * 730)	Loss Adjusted Billed kWh E = A * C
Residential	kWh	1,466,596	0	1.0580		1,551,659
General Service Less Than 50 kW	kWh	495,321	0	1.0580		524,050
General Service 50 to 4,999 kW	kW	1,585,480	3,837	1.0580	56.63%	1,677,438
Street Lighting	kW	61,374	163	1.0580	51.61%	64,934
Total		3,608,771	4,000			3,818,080

- a) Please explain why the billing determinants in Columns A and B (Metered kWh and Metered kW) are not identical with the values reported in the 2009 RRR filing 2.1.5 customer demand and revenue filing.

- b) If Middlesex Power – Newbury is of the view that the data included in the application is more appropriate to use, please explain why. If not, please refile Sheet B1.2 with the correct data and Board staff will make the necessary changes to the model.

3. Ref: 2011 Transmission Service Rates (“RTSR”) Adjustment Workform
Sheet B1.3 – Uniform Transmission and Hydro One Sub-Transmission Rates is reproduced below.

Uniform Transmission and Hydro One Sub-Transmission Rates

Rate Description	Vol Metric	Effective May 1,	Effective May 1,	Effective May 1,	Effective May 1,
		2008	2009	2010	2011
		Rate	Rate	Rate	Rate
Network Service Rate	kW	\$ 2.01	\$ 2.24	\$ 2.65	\$ 2.65
Line Connection Service Rate	kW	\$ 0.50	\$ 0.60	\$ 0.64	\$ 0.64
Transformation Connection Service Rate	kW	\$ 1.38	\$ 1.39	\$ 1.50	\$ 1.50
Both Line and Transformation Connection Service Rate	kW	\$ 1.88	\$ 1.99	\$ 2.14	\$ 2.14

Sheet C1.1 – Historical Wholesale Transmission is reproduced below.

2009 Historical Wholesale Transmission

Enter billing detail for wholesale transmission for the same reporting period as the billing determinants on sheet B1.2.

Hydro One

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	683	\$2.01	\$ 1,373		\$ -		683	\$ 1.38	\$ 943	\$ 943
February	639	\$2.01	\$ 1,284		\$ -		639	\$ 1.38	\$ 882	\$ 882
March	569	\$2.01	\$ 1,144		\$ -		569	\$ 1.38	\$ 785	\$ 785
April	573	\$2.01	\$ 1,152		\$ -		573	\$ 1.38	\$ 791	\$ 791
May	535	\$2.05	\$ 1,095		\$ -		535	\$ 1.38	\$ 739	\$ 739
June	756	\$2.24	\$ 1,693		\$ -		756	\$ 1.39	\$ 1,051	\$ 1,051
July	685	\$2.24	\$ 1,534		\$ -		685	\$ 1.39	\$ 952	\$ 952
August	738	\$2.24	\$ 1,653		\$ -		738	\$ 1.39	\$ 1,026	\$ 1,026
September	563	\$2.24	\$ 1,261		\$ -		563	\$ 1.39	\$ 783	\$ 783
October	497	\$2.24	\$ 1,113		\$ -		497	\$ 1.39	\$ 691	\$ 691
November	562	\$2.24	\$ 1,259		\$ -		562	\$ 1.39	\$ 781	\$ 781
December	634	\$2.24	\$ 1,420		\$ -		634	\$ 1.39	\$ 881	\$ 881
Total	7,434	\$2.15	\$15,982	-	\$ -	\$ -	7,434	\$ 1.39	\$10,304	\$ 10,304

- a) Please explain the discrepancies between the Line Connection Service Rate recorded on Sheet B1.3 and those shown on Sheet C1.1. If the data is incorrect, please re-file sheet C1.1 with the correct data and Board staff will make the necessary changes to the model.

4. Ref: 2011 Deferral and Variance Account Adjustment Workform

Sheet B1.3 Rate Class and Billing Determinants

Rate Class and Billing Determinants

Rate Group	Rate Class	Fixed Metric	Vol Metric	2009 Audited RRR		Billed kWh for Non-RPP customers	1590 Recovery Share Proportion ¹
				Metered kWh	Metered kW		
RES	Residential	Customer	kWh	1,466,596		270,655	44.5%
GSLT50	General Service Less Than 50 kW	Customer	kWh	495,321		28,834	15.8%
GSGT50	General Service 50 to 4,999 kW	Customer	kW	1,585,480	3,837	489,640	38.7%
SL	Street Lighting	Connection	kW	61,374	163		1.1%

- a) Please explain why the billing determinants for the Metered kWh and Metered kW (Columns J & K) are not identical with the value reported in the 2009 RRR filing 2.1.5 customer demand and revenue filing.
- b) If the data provided is correct, please provide evidence supporting the data. If the data is incorrect, please re-file sheet B1.3 with the correct data and Board staff will make the necessary changes to the model.

5. Ref: 2011 IRM Smart Meter Rate Calculation Workform

Below is Sheet 5 of the Smart Meter Rate Calculation Workform:

Sheet 5. PILs

PILs Calculation

INCOME TAX	2006		2007		2008		2009		2010		2011		Later	
	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Audited Actual	Forecasted	Forecasted	Forecasted	Forecasted	Forecasted	Forecasted	Forecasted	Forecasted
Net Income	\$ -	\$ -	\$ -	\$ -	\$ 623.10	\$ 1,096.66	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Amortization	\$ -	\$ -	\$ -	\$ -	\$ 1,085.53	\$ 2,171.05	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Smart Meters	\$ -	\$ -	\$ -	\$ -	\$ 1,302.63	\$ 2,501.05	\$ -	\$ -	\$ 2,300.97	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Computers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CCA - Other Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Change in taxable income	\$ -	\$ -	\$ -	\$ -	\$ 405.99	\$ 766.66	\$ -	\$ 2,300.97	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tax Rate (3. LDC Assumptions and Data)	36.12%	36.12%	33.50%	33.00%	31.00%	28.25%	26.25%							
Income Taxes Payable	\$ -	\$ -	\$ -	\$ -	\$ 133.98	\$ 237.67	\$ -	\$ 650.02	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

- a) Please explain why there is no input under “2011 Forecasted” Net Income (Cell H8) and Amortization (Cell H9). If this is an omission, please provide the correct inputs and refile the Smart Meter Rate Calculation model.