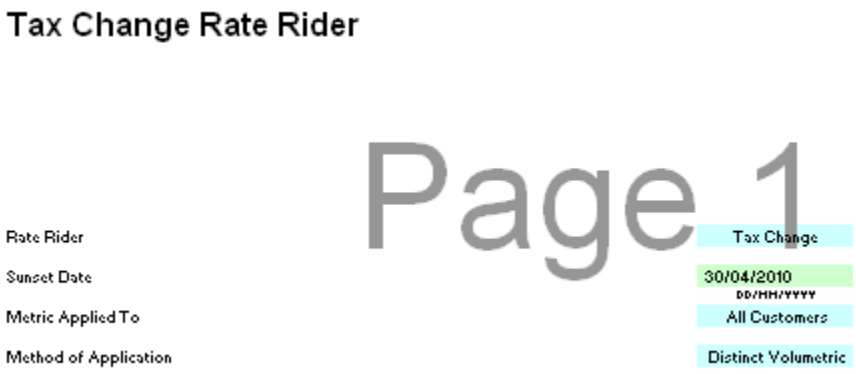
Cambridge and North Dumfries Hydro Inc.
2011 Electricity Distribution Rates
EB-2010-0068
Board Staff Interrogatories

1. Tax Change Rate Rider Sunset Date

Ref: Rate Generator Model
Ref: RTSR Model

A portion of Sheet J2.7 from the Rate Generator Model is reproduced below



Please confirm that the Sunset Date should be 30/04/2012, reflecting a 1-year refund period from May 1, 2011. If this is an error, Board staff will make the relevant correction.

2. RTSR Network Adjustment

Ref: Rate Generator Model
Ref: RTSR Model

A portion of Sheet L1.1 from the Rate Generator Model is reproduced below.

Applied For RTSR - Network

Rate Class	Applied to Class
Residential	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Network Service Rate	$/kWh	0.004500	0.000%	0.000100	0.004600

Rate Class	Applied to Class
General Service Less Than 50 kW	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Network Service Rate	$/kWh	0.004000	0.000%	0.000100	0.004100

Rate Class	Applied to Class
General Service 50 to 999 kW	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Network Service Rate	$/kW	2.586600	0.000%	0.056900	2.643500

Rate Class	Applied to Class
General Service 1,000 to 4,999 kW	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Network Service Rate	$/kW	1.964500	0.000%	0.044700	2.009200

Rate Class	Applied to Class
Large Use	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Network Service Rate	$/kW	1.861600	0.000%	0.045500	1.907100

Rate Class	Applied to Class
Unmetered Scattered Load	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Network Service Rate	$/kWh	0.004000	0.000%	0.000100	0.004100

Rate Class	Applied to Class
Street Lighting	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Network Service Rate	$/kW	1.299800	0.000%	0.028600	1.328400

Rate Class	Applied to Class
Embedded Distributor	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Network Service Rate	$/kW	1.861600	0.000%	0.045500	1.907100

Rate Class	Applied to Class
Embedded Distributor	Yes

Rate Description	Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Network Service Rate	$/kW	1.861600	0.000%	0.045500	1.907100

A portion of Sheet F1.1 from the RTSR Model is reproduced below.

IRM RTSR Adjustment Calculation - Network

The purpose of this sheet is to update re-aligned RTSR-Network rates to recover forecast wholesale Network costs.

Rate Class	Vol Metric	Current RTSR - Network	Proposed RTSR - Network	RTSR - Network Adjustment
		[A] Column B Sheet E1.1	[B] Column E Sheet E1.1	C = B - A
Residential	kWh	0.0045	0.0048	**0.000339233**
General Service Less Than 50 kW	kWh	0.0040	0	**0.000301541**
General Service 50 to 999 kW	kW	2.5866	3	**0.194991328**
General Service 1,000 to 4,999 kW	kW	1.9645	2	**0.148094203**
Large Use	kW	1.8616	2	**0.140337067**
Unmetered Scattered Load	kWh	0.0040	0	**0.000301541**
Street Lighting	kW	1.2998	1	**0.097985668**
Embedded Distributor	kW	1.8616	2	**0.140337067**
Embedded Distributor	kW	1.8616	2	**0.140337067**

Enter this value into column"G" on sheet"L1.1 Appl For TX Network" of the 2011 Rate Generator

a. Please explain the discrepancies between the values in the "$ Adjustment" column in the former and values in column C titled "RTSR – Network Adjustment" in the latter. If this is an error, Board staff will make the relevant corrections.

3. RTSR Connection Adjustment

Ref: Rate Generator Model
Ref: RTSR Model

A portion of Sheet L2.1 from the Rate Generator Model is reproduced below.

Applied For RTSR - Connection

Rate Class	Applied to Class					
Residential	Yes					
Rate Description		Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Line and Transformation Connection Service Rate		$/kWh	0.003200	0.000%	0.000300	0.003500
Rate Class	Applied to Class					
General Service Less Than 50 kW	Yes					
Rate Description		Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Line and Transformation Connection Service Rate		$/kWh	0.003000	0.000%	0.000300	0.003300
Rate Class	Applied to Class					
General Service 50 to 999 kW	Yes					
Rate Description		Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Line and Transformation Connection Service Rate		$/kW	1.851100	0.000%	0.135000	2.046100
Rate Class	Applied to Class					
General Service 1,000 to 4,999 kW	Yes					
Rate Description		Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Line and Transformation Connection Service Rate		$/kW	1.452700	0.000%	0.148100	1.600800
Rate Class	Applied to Class					
Large Use	Yes					
Rate Description		Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Line and Transformation Connection Service Rate		$/kW	1.478800	0.000%	0.140300	1.619100
Rate Class	Applied to Class					
Unmetered Scattered Load	Yes					
Rate Description		Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Line and Transformation Connection Service Rate		$/kWh	0.003000	0.000%	0.000300	0.003300
Rate Class	Applied to Class					
Street Lighting	Yes					
Rate Description		Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Line and Transformation Connection Service Rate		$/kW	0.930200	0.000%	0.098000	1.028200
Rate Class	Applied to Class					
Embedded Distributor	Yes					
Rate Description		Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Line and Transformation Connection Service Rate		$/kW	1.478800	0.000%	0.140300	1.619100
Rate Class	Applied to Class					
Embedded Distributor	Yes					
Rate Description		Vol Metric	Current Amount	% Adjustment	$ Adjustment	Final Amount
Retail Transmission Rate - Line and Transformation Connection Service Rate		$/kW	1.478800	0.000%	0.140300	1.619100

A portion of Sheet F1.2 from the RTSR Model is reproduced below.

IRM RTSR Adjustment Calculation - Connection

The purpose of this sheet is to update re-aligned RTSR-Network rates to recover forecast wholesale Network costs.

Rate Class	Vol Metric	Current RTSR - Connection	Proposed RTSR - Connection	RTSR - Network Adjustment
		[A] Column J Sheet R1.1	[B] Column S Sheet R1.2	C = B - A
Residential	kWh	0.0032	0.0033	**9.84242E-05**
General Service Less Than 50 kW	kWh	0.0030	0.0031	**9.22727E-05**
General Service 50 to 999 kW	kW	1.8511	1.9080	**0.056935328**
General Service 1,000 to 4,999 kW	kW	1.4527	1.4974	**0.044681515**
Large Use	kW	1.4788	1.5243	**0.045484287**
Unmetered Scattered Load	kWh	0.0030	0.0031	**9.22727E-05**
Street Lighting	kW	0.9302	0.9588	**0.028610687**
Embedded Distributor	kW	1.4788	1.5243	**0.045484287**
Embedded Distributor	kW	1.4788	1.5243	**0.045484287**

Enter this value into column"G" on sheet"L2.1 Appl For TX Connect" of the 2011 Rate Generator

a. Please explain the discrepancies between the values in the "$ Adjustment" column in the former and values in column C titled "RTSR – Network Adjustment" in the latter. If this is an error, Board staff will make the relevant corrections.

4. Revenue Offsets Allocation

Ref: Revenue Cost Ratio Model

A portion of Sheet C1.2 from the Revenue Cost Ratio Model is reproduced below.

Revenue Offsets Allocation

The purpose of this sheet is to allocate the Revenue Offsets (miscellaneous revenue) found in the last COS to the various rate classes in proportion to the allocation from the Cost Allocation informational filing.

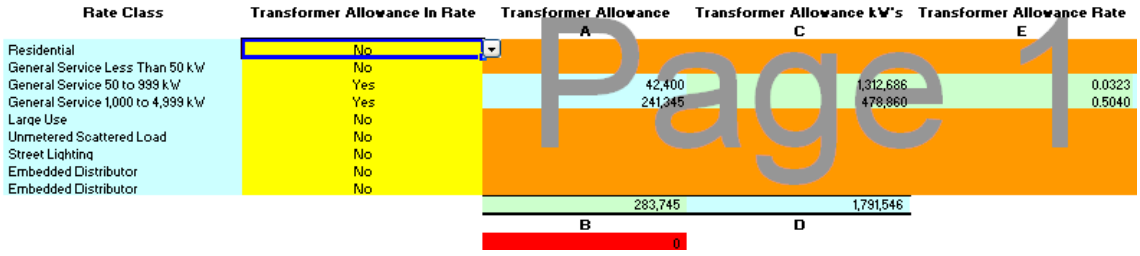
Rate Class	Informational Filing Revenue Offsets	Percentage Split	Allocated Revenue Offsets
	A	C= A / B	E = D * C
Residential	950,826	63.80%	950,826
General Service Less Than 50 kW	195,173	13.10%	195,173
General Service 50 to 999 kW	208,555	13.99%	208,555
General Service 1,000 to 4,999 kW	70,933	4.76%	70,933
Large Use	22,656	1.52%	22,656
Unmetered Scattered Load	6,960	0.47%	6,960
Street Lighting	24,188	1.62%	24,188
Embedded Distributor	8,205	0.55%	8,205
Embedded Distributor	2,914	0.20%	2,914
	1,490,410	100.00%	1,490,410
	B		D

a. Board Staff has been unable to verify the figures in column A (Informational Filing Revenue Offsets) for the various rate classes. Please provide evidence supporting these amounts.

5. Transformer Allowance

Ref: Revenue Cost Ratio Model
Ref: Tariff of Rates and Charges, effective May 1, 2010

A portion of Sheet C1.3 from the Revenue Cost Ratio Model is reproduced below.



Rate Class	Transformer Allowance In Rate	Transformer Allowance A	Transformer Allowance kW's C	Transformer Allowance Rate E
Residential	No			
General Service Less Than 50 kW	No			
General Service 50 to 999 kW	Yes	42,400	1,312,686	0.0323
General Service 1,000 to 4,999 kW	Yes	241,345	478,860	0.5040
Large Use	No			
Unmetered Scattered Load	No			
Street Lighting	No			
Embedded Distributor	No			
Embedded Distributor	No			
		283,745	1,791,546	
		B	D	
		0		

a. Board Staff notes that the Transformer Allowance Rates shown in column E of the exhibit do not align with the corresponding allowance in the current tariff sheet, i.e. Tariff of Rates and Charges, effective May 1, 2010, where it is shown as $0.60 per kW. If this is an error, Board staff will make the relevant corrections.

6. Billing Determinants and Rates

Ref: Tax Model

A portion of Sheet B1.1 from the Tax Model is reproduced below.

Rate Class	Fixed Metric	Vol Metric	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Rate ReBal Base Service Charge D	Rate ReBal Base Distribution Volumetric Rate kWh E	Rate ReBal Base Distribution Volumetric Rate kW F
Residential	Customer	kWh	45,218	389,793,819		9.93	0.0161	
General Service Less Than 50 kW	Customer	kWh	4,582	168,223,630		11.74	0.0125	
General Service 50 to 999 kW	Customer	kW	724	494,496,789	1,312,686	107.06		3.6062
General Service 1,000 to 4,999 kW	Customer	kW	25	215,965,446	478,860	894.91		3.1597
Large Use	Customer	kW	2	159,305,102	308,824	7,666.51		2.1290
Unmetered Scattered Load	Connection	kWh	507	1,855,931		6.97	0.0149	
Street Lighting	Connection	kW	12,717	9,470,257	24,144	2.01		12.8127
Embedded Distributor	Connection	kW						
Embedded Distributor	Connection	kW						

Enter "Rate ReBal Base" rates from Sheet "E1.1 Rate Reb Base Dist Rts Gen" of your 2011 IRM3 Rate Generator.

a) Board staff notes that data for the two Embedded Distributor rates classes in missing in columns A, C and F. If this is an error, Board staff will make the relevant corrections.

7. Loss Adjusted Metered kWh

Ref: RTSR Model

A portion of Sheet B1.2 from the RTSR Model is reproduced below.

2009 Distributor Billing Determinants

Enter the most recently reported RRR billing determinants

Loss Adjusted Metered kWh	No	Update Sheet
Loss Adjusted Metered kW	No	

Rate Class	Vol Metric	Metered kWh	Metered kW	Applicable Loss Factor	Load Factor
		A	B	C	D = A / (B * 730)
Residential	kWh	382,507,290	0	1.0286	
General Service Less Than 50 kW	kWh	161,342,744	0	1.0286	
General Service 50 to 999 kW	kW	446,815,354	1,333,953	1.0286	45.91%
General Service 1,000 to 4,999 kW	kW	236,334,466	533,659	1.0286	60.70%
Large Use	kW	179,655,218	414,778	1.0103	59.37%
Unmetered Scattered Load	kWh	2,132,593	0	1.0286	
Street Lighting	kW	9,462,131	26,431	1.0286	49.07%
Embedded Distributor	kW		77,828	1.0286	0.00%
Embedded Distributor	kW		27,195	1.0286	0.00%
Total		1,418,249,796	2,413,844		

a. Please confirm that the kWh volumes in column A are not loss adjusted, i.e. losses are not included in these volumes.

8. Recovery of RTSR Connection Charge

Ref: RTSR Model
Ref: Deferral/Variance Account Model.

A portion of Sheet D1.2 from the RTSR Model is reproduced below.

Rate Class	Vol Metric	Billed Amount (D) = (A) * (B) or (A) * (C)	Billed Amount % (F) = (D) / (E)	Current Wholesale Billing (H) = (G) * (F)
Residential	kWh	$ 1,224,023	21.28%	$ 1,261,671
General Service Less Than 50 kW	kWh	$ 484,028	8.41%	$ 498,916
General Service 50 to 999 kW	kW	$ 2,469,280	42.93%	$ 2,545,229
General Service 1,000 to 4,999 kW	kW	$ 775,246	13.48%	$ 799,091
Large Use	kW	$ 613,374	10.66%	$ 632,240
Unmetered Scattered Load	kWh	$ 6,398	0.11%	$ 6,595
Street Lighting	kW	$ 24,586	0.43%	$ 25,342
Embedded Distributor	kW	$ 115,092	2.00%	$ 118,632
Embedded Distributor	kW	$ 40,216	0.70%	$ 41,453
		$ 5,752,244 (E)	100.00%	$ 5,929,169 (G) Cell Q73 Sheet C1.2

A portion of Sheet D1.6 from the Deferral/Variance Account Model is reproduced below.

Account Description	Account Number	Total Claim J = C + I
LV Variance Account	1550	58,929
RSVA - Wholesale Market Service Charge	1580	(525,140)
RSVA - Retail Transmission Network Charge	1584	90,043
RSVA - Retail Transmission Connection Charge	1586	(1,121,272)
RSVA - Power (Excluding Global Adjustment)	1588	(1,470,850)
RSVA - Power (Global Adjustment Sub-account)		7,949,833
Recovery of Regulatory Asset Balances	1590	(13,335)
Residual Balance Disposition and recovery of Def/Var Balances Account (2008)	1595	0
	Total	4,968,208

a. In the former, column D is less than column H which indicates an under-recovery of the RTSR Network charge. In the latter, Account 1586 shows an over-recovery as of December 31, 2009. Please explain this apparent discrepancy.

9. Historical wholesale Transmission

Ref: RTSR Model

A portion of Sheet C1.1 from the RTSR Model is reproduced below.

Hydro One

	Network			Line Connection			Line Transformation		
Month	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount
January	10,719	$2.01	$ 21,546	12,688	$0.50	$ 6,344		$ -	
February	7,723	$2.01	$ 15,524	7,819	$0.50	$ 3,910		$ -	
March	7,600	$2.01	$ 15,276	7,864	$0.50	$ 3,932		$ -	
April	6,639	$2.01	$ 13,343	6,740	$0.50	$ 3,370		$ -	
May	5,674	$2.24	$ 12,709	5,357	$0.60	$ 3,214		$ -	
June	8,135	$2.24	$ 18,223	2,182	$0.60	$ 1,309		$ -	
July	7,047	$2.24	$ 15,784	12,985	$0.60	$ 7,791		$ -	
August	8,485	$2.24	$ 19,007	8,546	$0.60	$ 5,128		$ -	
September	6,845	$2.24	$ 15,333	6,903	$0.60	$ 4,142		$ -	
October	6,834	$2.24	$ 15,309	7,017	$0.60	$ 4,210		$ -	
November	7,622	$2.24	$ 17,073	7,684	$0.60	$ 4,610		$ -	
December	8,120	$2.24	$ 18,189	8,271	$0.60	$ 4,963		$ -	
Total	91,443	$2.16	$ 197,316	94,055	$0.56	$ 52,922	-	$ -	$ -

a. Board staff notes that data is missing in the Line Transformation column. If this is an error, please provide the information, Board staff will make the relevant corrections in the model.

10. Global Adjustment Recovery

Ref: Rate Generator Model
Ref: Deferral/Variance Account Model
Ref: Tariff of Rates and Charges Effective May 1, 2010

Both Sheet J3.21 from the Rate Generator Model and Sheet A1.1 from the Deferral/Variance Account Model indicate a proposed recovery of the Global Adjustment ("GA") sub-account balance through the electricity component of the bill. The Tariff of Rates and Charges Effective May 1, 2010 indicates that the rate rider for the GA sub-account was included in the delivery component of the bill.

a. Please provide the rationale for the proposed change in the recovery of the GA sub-account balance from the delivery to the electricity component of the bill.

b. Were the GA rate rider to be included in the electricity component of the bill, would it be adjusted by the loss factor? Please explain.

11. Smart Meter Rate Adder

Ref: Smart Meter Model
Ref: Manager's Summary

Sheet 8 from the Smart Meter Model indicates a Proposed Smart Meter Rate Adder of $1.61, whereas p.9 of the Manager's Summary states that Cambridge and North Dumfries Hydro is proposing to increase the Smart Meter Rate Adder to $2.80 per month.

a. Please explain the discrepancy and indicate which source is correct.

12. Billing Determinants – 2010 CoS Forecast

Ref: Deferral/Variance Account Model

A portion of Sheet B1.3 from the Deferral/Variance Account Model is reproduced below.

			2010 COS Forecast	
Rate Class	Fixed Metric	Vol Metric	Metered kWh	Metered kW
Residential	Customer	kWh	387,314,732	
General Service Less Than 50 kW	Customer	kWh	170,263,597	
General Service 50 to 999 kW - Interval Metered	Customer	kW	484,236,276	1,244,174
General Service 50 to 4,999 kW	Customer	kW	249,869,851	554,036
Large Use > 5000 kW	Customer	kW	230,297,755	446,448
Unmetered Scattered Load	Connection	kWh	2,112,232	
Street Lighting	Connection	kW	9,448,890	24,090

a. Board Staff has been unable to verify the figures in the "Metered kWh" and "Metered kW" columns. Further, Board staff notes that these numbers do not match corresponding numbers in Sheet B1.1 of the Tax Model. Please provide evidence supporting these amounts. If this is an error, Board staff will make the relevant corrections.