



34 Cumberland St. N.
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October 31, 2007

Ms. Kirsten Walli
Board Secretary
Ontario Energy Board
P.O. Box 2319
26th Floor - 2300 Yonge Street
Toronto, ON M4P 1E4

**Re: Rate Application:
Thunder Bay Hydro Electricity Distribution Inc. (TBHEDI)
License Number ED – 2002-0529 – Rate Filing;
ThunderBay_2008IRMmodel_20071031**

Dear Ms. Walli:

Enclosed please find our application for a rate adjustment effective May 1, 2008. As required, we have enclosed two (2) paper copies and one (1) electronic copy of our application. Also as directed this application has been filed electronically through the RESS portal and one (1) electronic copy in Microsoft Excel format has been e-mailed to BoardSec@oeb.gov.on.ca.

Thunder Bay Hydro Electricity Distribution Inc. is filing this submission in accordance with instructions released September 28, 2007. We are submitting our application without any provision for possible rate riders or changes in our network and connection rates as addressed in the OEB letter we received October 29, 2007. See reference to this letter in the following Manager's Summary.

Manager's Summary

Thunder Bay Hydro Electricity Distribution Inc is responsible for the distribution of electricity to the municipality of the City of Thunder Bay and Fort Williams First Nations.

Approved classifications and rates as per our rate order dated July 19, 2007 were entered into the model as directed.

...2

...2

...2008IRMmodel 20071031 Manager's Summary

As discussed in the instructions, the Ontario Energy Board has removed the regulatory asset recovery component. Thunder Bay Hydro Electricity Distribution Inc. anticipates that there will be a balance in the account as at April 30, 2008; however has not sought an extension. It is our understanding that the variance in Account 1590 will remain on the records for subsequent disposition. Further, we understand that the balance will continue to be subject to carrying charges.

Thunder Bay Hydro Electricity Distribution Inc. is not a "prescribed" distributor as per EB-2007-0063; therefore, the Smart Meter Monthly Service Charge was removed and then re-incorporated into the 2008 rate as per the Board's Decision RP-2005-0020/EB-2005-0529.

There was no incremental CDM funding in our approved 2007 rates.

As per sheet 6 of the IRM model TBHEDI has been deemed a small utility and 2008 is the first of three years of a phase-in to a deemed capital structure of a 60/40 Debt/Equity ratio. This first phase will effectively bring our deemed capital structure to 53.3/46.7 and result in a K-factor of -0.5%. As a result, our price cap adjustment as outlined on sheet 7 is a 0.4% increase in rates.

Thunder Bay Hydro Electricity Distribution Inc. is aware of the letter issued by the Ontario Energy Board on October 29, 2007 Regarding the Ontario Uniform Transmission Rate Order, EB-2007-0759: effect on Distributor Retail Transmission Rates. We are investigating our situation and will develop an appropriate proposal regarding an adjustment to our retail transmission rates and disposition of the associated variance account balances; however, this cannot be completed in time to submit with our 2008 filing. Upon completion, we will submit this information.

There are no exceptions to the filing guidelines. We trust this filing will meet with the Board's approval.

Regards,



Cindy Speziale, CA
Vice President, Finance

CS/dt



Ontario Energy Board 2008 INCENTIVE RATE MECHANISM ADJUSTMENT

Sheet 1 Utility Information Sheet

Legend:	Input Cell	Pull-Down Menu Option	Output Cell
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Please note that this model uses MACROS. Before starting, please ensure that macros have been enabled.

Name of LDC:	Thunder Bay Hydro Electricity Distribution Inc.		
Licence Number:	ED-2002-0529		
IRM 2008 EB Number: (if known)	EB-2007-XXXX		
IRM 2007 EB Number:	EB-2007-0580		
EDR 2006 RP Number:	RP-2005-0020	EDR 2006 EB Number:	EB-2005-0419
Date of Submission:	October 31 2007	Last Saved Date:	10/31/07 10:46 AM
Model Version:	2.0		
Contact Information			
Name:	Cindy Speziale CA		
Title:	Vice-President Finance		
Phone Number:	807-343-1118		
E-Mail Address:	cspeziale@tbhydro.on.ca		

Please Note: In the event of an inconsistency between this model and any element of the December 20, 2006 "Report of the Board on Cost of Capital and 2nd Generation Incentive Regulation of Ontario's Electricity Distributors", the Report governs.

Comments

Copyright

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



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Sheet 2 - 2007 Rate Classes

Are you changing the descriptions of any of your Service Classifications?

YES NO

Service Classifications, including descriptions, can be found on your Board Approved 2007 Tariff of Rates and Charges.

Instructions:

(In some instances, rate classifications may differ from service classifications. The following table accounts for those differences.)

Using the pull-down list in column B, choose the classes that match those on your Board-Approved 2007 Tariff of Rates and Charges, are found under sub-heading "Monthly Rates and Charges". (If a Rate Classification needs to be added to the pull-down list, please contact the Board.)

Indicate which Rate Classifications exist using the pull-down menu in column C.

Changes made to the Class names will affect the rest of the model.

Upon completion, press the update button.

LEGEND

INPUT CELLS

PULL-DOWN MENU

OUTPUT CELLS

	Rate Classifications	Currently in Place
1	Residential	Yes
2	General Service Less Than 50 kW	Yes
3	General Service 50 to 999 kW	Yes
4	General Service 1,000 to 4,999 kW	Yes
5	Unmetered Scattered Load	Yes
6	Sentinel Lighting	Yes
7	Street Lighting	Yes
8	Rate Class 8	No
9	Rate Class 9	No
10	Rate Class 10	No
11	Rate Class 11	No
12	Rate Class 12	No
13	Rate Class 13	No
14	Rate Class 14	No
15	Rate Class 15	No
16	Rate Class 16	No





2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Sheet 3 - 2007 Board-Approved Tariff of Rates and Charges



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Sheet 3 - 2007 Board-Approved Tariff of Rates and Charges

MONTHLY RATES AND CHARGES

Using the pull-down menu in column H below, indicate whether (Yes) or not (No) the rate riders will be continuing into the 2008-09 rate year

Residential

Service Charge	\$	11.23	
Distribution Volumetric Rate	\$/kWh	0.0138	
Rate Rider 1 (if applicable)	\$/kWh	0.0006	No
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kWh	0.0004	No
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0046	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0025	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Sheet 3 - 2007 Board-Approved Tariff of Rates and Charges

General Service Less Than 50 kW

Service Charge	\$	17.35	
Distribution Volumetric Rate	\$/kWh	0.0125	
Rate Rider 1 (if applicable)	\$/kWh	0.0007	No
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kWh	0.0004	No
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0042	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0023	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	

General Service 50 to 999 kW

Service Charge	\$	186.71	
Distribution Volumetric Rate - billed demand	\$/kW	1.0648	
Rate Rider 1 (if applicable)	\$/kW	0.0899	No
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kW	0.1604	No
Retail Transmission Rate – Network Service Rate	\$/kW	1.7047	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8989	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW	1.8083	
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW	0.9934	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	

General Service 1,000 to 4,999 kW

Service Charge	\$	1,634.73	
Distribution Volumetric Rate-billed demand	\$/kW	1.4378	
Rate Rider 1 (if applicable)	\$/kW	0.0316	No
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kW	(0.0577)	No
Retail Transmission Rate – Network Service Rate	\$/kW	1.8083	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.9934	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	

Unmetered Scattered Load

Service Charge (per connection)	\$	8.52	
Distribution Volumetric Rate	\$/kWh	0.0124	
Rate Rider 1 (if applicable)	\$/kWh	0.0006	No
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kWh	0.0000	No
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0042	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0023	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kWh		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kWh		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Sheet 3 - 2007 Board-Approved Tariff of Rates and Charges

Sentinel Lighting

Service Charge (per connection)	\$	6.13	
Distribution Volumetric Rate	\$/kW	4.9171	
Rate Rider 1 (if applicable)	\$/kW	0.4848	No
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kW	0.0000	No
Retail Transmission Rate – Network Service Rate	\$/kW	1.2921	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.7094	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	

Street Lighting

Service Charge (per connection)	\$	0.34	
Distribution Volumetric Rate	\$/kW	2.0590	
Rate Rider 1 (if applicable)	\$/kW	0.3369	No
Rate Rider 2 (if applicable)			
Regulatory Asset Recovery	\$/kW	(0.1224)	No
Retail Transmission Rate – Network Service Rate	\$/kW	1.2856	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6949	
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW		
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW		
Wholesale Market Service Rate	\$/kWh	0.0052	
Rural Rate Protection Charge	\$/kWh	0.0010	
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25	



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Ontario

Sheet 3 - 2007 Board-Approved Tariff of Rates and Charges



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Sheet 3 - 2007 Board-Approved Tariff of Rates and Charges



2008 INCENTIVE RATE MECHANISM ADJUSTMENT

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Sheet 4 - Smart Meter Information

The smart meter plan rate adder is a monthly service charge for metered customers equivalent to an amount of \$0.30 per month per residential customer for utilities that do not have a plan. A different amount applied to utilities who had a smart meter plan that was modified in accordance with the Decision with Reasons RP-2005-0020 / EB-2005-0529

Please identify the customer classes and sub-classes that the smart meter funding incremental adjustment applies to by inserting the smart meter rate adder into column D. For most utilities, the rate adder can be located in the Board-approved 2007 IRM model. Clicking the cursor on the Residential cell should show the formula for the monthly service charge including the smart meter adder. The adder is the same for all metered classes and sub-classes of a distributor.

Leave column F blank, and the model will by default use the existing rate adder in the following calculations. If a new value of the rate rider is required by a subsequent decision, Board staff will enter the appropriate values in column F.

Smart Meter Rate Adder

	<u>2007 IRM</u>	<u>2008 IRM</u>
Residential	\$ 0.27	
General Service Less Than 50 kW	\$ 0.27	
General Service 50 to 999 kW	\$ 0.27	
General Service 1,000 to 4,999 kW	\$ 0.27	



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Sheet 5 - Removal of Smart Meter and CDM

Did the applicant receive Board approval for incremental CDM spending (over and above the 3rd tranche) in 2007?

YES NO

Class	2007 Monthly Service Charge	2007 Volumetric Rate Charge	Less: 2007 Smart Meter Adder from Monthly Service Charge		Adjusted Monthly Service Charge	Adjusted Volumetric Charge	
	\$	kW / kWh	\$	\$	\$	kW / kWh	
<i>Residential</i>	\$ 11.23	\$ 0.0138	\$ 0.27	\$ 0.27	\$ 10.96	\$ 0.0138	\$/kWh
<i>General Service Less Than 50 kW</i>	\$ 17.35	\$ 0.0125	\$ 0.27	\$ 0.27	\$ 17.08	\$ 0.0125	\$/kWh
<i>General Service 50 to 999 kW</i>	\$ 186.71	\$ 1.0648	\$ 0.27	\$ 0.27	\$ 186.44	\$ 1.0648	\$/kW
<i>General Service 1,000 to 4,999 kW</i>	\$ 1,634.73	\$ 1.4378	\$ 0.27	\$ 0.27	\$ 1,634.46	\$ 1.4378	\$/kW
<i>Unmetered Scattered Load</i>	\$ 8.52	\$ 0.0124	-	\$ -	\$ 8.52	\$ 0.0124	\$/kWh
<i>Sentinel Lighting</i>	\$ 6.13	\$ 4.9171	-	\$ -	\$ 6.13	\$ 4.9171	\$/kW
<i>Street Lighting</i>	\$ 0.34	\$ 2.0590	-	\$ -	\$ 0.34	\$ 2.0590	\$/kW



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Sheet 6 - K-Factor Derivation

Capital Structure Transition

Size of Utility (Rate Base)

Year	Small [\$0, \$100M)		Med-Small [\$100M, \$250M)		Med-Large [\$250M, \$1B)		Large >=\$1B	
	Debt	Equity	Debt	Equity	Debt	Equity	Debt	Equity
2007	50.0%	50.0%	55.0%	45.0%	60.0%	40.0%	65.0%	35.0%
2008	53.3%	46.7%	57.5%	42.5%	60.0%	40.0%	62.5%	37.5%
2009	56.7%	43.3%	60.0%	40.0%	60.0%	40.0%	60.0%	40.0%
2010	60.0%	40.0%	60.0%	40.0%	60.0%	40.0%	60.0%	40.0%

Cost of Capital parameters

ROE	A	2.93%	(Board Approved 2006 EDR Model, Sheet 3-2, Cell E32)
Debt Rate	B	0.00%	(Board Approved 2006 EDR Model, Sheet 3-2, Cell C25)
Rate Base	C	\$ 71,329,997	(Board Approved 2006 EDR Model, Sheet 3-1, Cell F21)
Size of Utility	D	Small	

Deemed Capital Structure

		Debt	Equity	
Current	E1	50.0%	50.0%	E2
2008	F1	53.3%	46.7%	F2

Based on C, copies the deemed D/E from row "2007" of the table
Based on C, copies the deemed D/E from row "2008" of the table

Cost of Capital

Current	G	1.465%	= (E1 X B) + (E2 X A)	Weighted Average Cost of capital
2008	H	1.37%	= (F1 X B) + (F2 X A)	

Return on Rate Base

Current	I	\$ 1,044,984.46	= C X G / 100
2008	J	\$ 976,015.48	= C X H / 100

Distribution Expenses and Revenue Requirement (before PILs)

Distribution Expenses (other than PILs)	K	\$ 15,107,315	(Board Approved 2006 EDR Model, Sheet 4-1, Cell F15)
Base Revenue Requirement	L	\$ 16,137,828	(Board Approved 2006 EDR Model, Sheet 5-5, Cell F27)
Transformer Allowance Credit	M	\$ 413,327	(Board Approved 2006 EDR Model, Sheet 6-3, Cell "Total" in Row R120)

Revenue Requirement (before PILs)

Current	N	\$ 16,152,299.46	= I + K
2008	O	\$ 16,083,330.48	= J + K

Target Net Income (EBIT)

Current	\$ 1,044,984.46	P1 = I - P2
2008	\$ 976,015.48	Q1 = J - Q2

Interest Expense

Current	\$ -	P2 = C X (B X E1 / 100)
2008	\$ -	Q2 = C X (B X F1 / 100)

PILs

Tax Rate R 36.12% (Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D14)

Large Corporation Tax Allowance (if applicable) - grossed up	\$ 21,091	S	(Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D31)
OCT (Rate Base less \$10,000,000 X 0.30%)	\$ 235,550	T	(Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D30)
PILs Allowance	\$ 1,349,137	U	(Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D33)
Taxable Income	Current \$ 1,932,133	AC	(Board Approved 2006 PILs Model, Sheet "Test Year PILs, Tax Provision", Cell D11)
	2008 \$ 1,907,221	AD	= AC + (Q1 - P1) * (R / 100)
Federal Tax (grossed up)	Current \$ 1,092,496	V	= AC * (R / 100) / (1 - R / 100) 1,349,137
	2008 \$ 1,078,410	W	= AD * (R / 100) / (1 - R / 100)

Base Revenue Requirement Adjustment (including PILs)

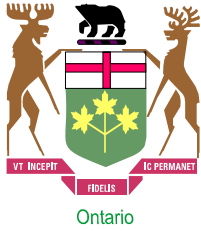
Revenue Requirement (less LCT) (LCT is removed as it was removed in from rates in 2007 EDR)

Current	\$ 17,480,345.45	X	= N + V + T
2008	\$ 17,397,290.58	Y	= O + W + T

Base Revenue Requirement (plus transformer allowance credit)

(Transformer allowance credit needs to be added onto revenue requirement for full rate recovery - similar to LCT calculation in 2007 EDR)

Current	\$ 16,551,155.00	Z	= L + M
2008	\$ 16,468,100.13	AA1	= Z + (Y - X)
Difference	\$ - 83,054.87	AA2	= AA1 - Z
K-factor	-0.5%	AB	= AA2 / Z



2008 INCENTIVE RATE MECHANISM ADJUSTMENT

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Sheet 7 - Price Cap Adjustment

Note: No inputs are required for this worksheet.

Price Escalator (GDP-IPI)	Average annual expected Productivity Gain (X)	(GDP-IPI) - X	K-Factor	Total Price Cap Adjustment
1.9%	1.0%	0.9%	-0.5%	0.4%
	Adjusted Monthly Service Charge	Monthly Service Charge with Price Cap Adjustment	Adjusted Volumetric Rate (kW / kWh)	Volumetric Rate with Price Cap Adjustment
<i>Residential</i>	\$ 10.96	\$ 11.00	\$ 0.0138	\$ 0.0139
<i>General Service Less Than 50 kW</i>	\$ 17.08	\$ 17.15	\$ 0.0125	\$ 0.0126
<i>General Service 50 to 999 kW</i>	\$ 186.44	\$ 187.19	\$ 1.0648	\$ 1.0691
<i>General Service 1,000 to 4,999 kW</i>	\$ 1,634.46	\$ 1,641.00	\$ 1.4378	\$ 1.4436
<i>Unmetered Scattered Load</i>	\$ 8.52	\$ 8.55	\$ 0.0124	\$ 0.0124
<i>Sentinel Lighting</i>	\$ 6.13	\$ 6.15	\$ 4.9171	\$ 4.9368
<i>Street Lighting</i>	\$ 0.34	\$ 0.34	\$ 2.0590	\$ 2.0672



2008 INCENTIVE RATE MECHANISM ADJUSTMENT

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Sheet 8 - Addback of Smart Meter Rate Adder

Note: No inputs are required for this worksheet.

Class	Monthly Service Charge \$	Add: Smart Meter Rate Adder \$	Adjusted Monthly Service Charge \$	Adjusted Volumetric Charge kW / kWh
<i>Residential</i>	\$ 11.00	\$ 0.27	\$ 11.27	0.0139
<i>General Service Less Than 50 kW</i>	\$ 17.15	\$ 0.27	\$ 17.42	0.0126
<i>General Service 50 to 999 kW</i>	\$ 187.19	\$ 0.27	\$ 187.46	1.0691
<i>General Service 1,000 to 4,999 kW</i>	\$ 1,641.00	\$ 0.27	\$ 1,641.27	1.4436
<i>Unmetered Scattered Load</i>	\$ 8.55	-	\$ 8.55	0.0124
<i>Sentinel Lighting</i>	\$ 6.15	-	\$ 6.15	4.9368
<i>Street Lighting</i>	\$ 0.34	-	\$ 0.34	2.0672



2008 INCENTIVE RATE MECHANISM ADJUSTMENT

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

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Sheet 9. - Z-Factor Rate Rider Adjustment

Is the Applicant seeking Board approval for other rate adjustments? YES NO

Z-Factor rate riders being applied for as part of the 2008 IRM rate adjustments should comply with Section 3.5 and Appendix C of the [Report of the Board on Cost of Capital and 2nd Generation Regulation Mechanism for Ontario's Electricity Distributors](#), issued December 20, 2006 (link http://www.oeb.gov.on.ca/documents/cases/EB-2006-0088/report_of_the_board_201206.pdf). Rate riders applied for should comply with the eligibility requirements. A distributor should also file adequate support for its proposal.

In columns C and D below, insert the Z-Factor rate riders associated with the rate adjustment. Provide a brief explanation about the nature of the rate adjustment.

Class	<i>Monthly Service Charge Rate Rider</i>	<i>Volumetric Charge Rate Rider</i>
	\$	kW / kWh
<i>Residential</i>		
<i>General Service Less Than 50 kW</i>		
<i>General Service 50 to 999 kW</i>		
<i>General Service 1,000 to 4,999 kW</i>		
<i>Unmetered Scattered Load</i>		
<i>Sentinel Lighting</i>		
<i>Street Lighting</i>		

Thunder Bay Hydro Electricity Distribution Inc.

Tariff OF RATES AND CHARGES

Effective May 1, 2008*

(*Except as otherwise noted)

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

EB-2007-0580

FOR OEB STAFF USE ONLY

MONTHLY RATES AND CHARGES

Residential

Service Charge	\$	11.27
Distribution Volumetric Rate	\$/kWh	0.0139
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0046
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0025
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

General Service Less Than 50 kW

Service Charge	\$	17.42
Distribution Volumetric Rate	\$/kWh	0.0126
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0042
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0023
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

Tariff OF RATES AND CHARGES

Effective May 1, 2008*

(*Except as otherwise noted)

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

General Service 50 to 999 kW

Service Charge	\$	187.46
Distribution Volumetric Rate - billed demand	\$/kW	1.0691
Retail Transmission Rate – Network Service Rate	\$/kW	1.7047
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.8989
Retail Transmission Rate – Network Service Rate (if applicable)	\$/kW	1.8083
Retail Transmission Rate – Line and Transformation Connection Service Rate (if applicable)	\$/kW	0.9934
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

General Service 1,000 to 4,999 kW

Service Charge	\$	1,641.27
Distribution Volumetric Rate-billed demand	\$/kW	1.4436
Retail Transmission Rate – Network Service Rate	\$/kW	1.8083
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.9934
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Unmetered Scattered Load

Service Charge (per connection)	\$	8.55
Distribution Volumetric Rate	\$/kWh	0.0124
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0042
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0023
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Sentinel Lighting

Thunder Bay Hydro Electricity Distribution Inc.

Tariff OF RATES AND CHARGES

Effective May 1, 2008*

(*Except as otherwise noted)

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

Service Charge (per connection)	\$	6.15
Distribution Volumetric Rate	\$/kW	4.9368
Retail Transmission Rate – Network Service Rate	\$/kW	1.2921
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.7094
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Street Lighting

Service Charge (per connection)	\$	0.34
Distribution Volumetric Rate	\$/kW	2.0672
Retail Transmission Rate – Network Service Rate	\$/kW	1.2856
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.6949
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0010
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

Thunder Bay Hydro Electricity Distribution Inc.

Tariff OF RATES AND CHARGES

Effective May 1, 2008*

(*Except as otherwise noted)

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

Thunder Bay Hydro Electricity Distribution Inc.

Tariff OF RATES AND CHARGES

Effective May 1, 2008*

(*Except as otherwise noted)

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

Thunder Bay Hydro Electricity Distribution Inc.

Tariff OF RATES AND CHARGES

Effective May 1, 2008*

(*Except as otherwise noted)

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

Specific Service Charges

Customer Administration

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Easement letter	\$	15.00
Account history	\$	15.00
Returned cheque charge (plus bank charges)	\$	25.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	30.00
Special meter reads	\$	30.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

Non-Payment of Account

Late Payment - per month	%	1.50
Late Payment - per annum	%	19.56
Disconnect/Reconnect at meter - during regular hours	\$	65.00
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
Install/Remove load control device - during regular hours	\$	65.00
Install/Remove load control device - after regular hours	\$	185.00
Service call - customer-owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service install & remove - overhead - no transformer	\$	500.00
Temporary service install & remove - underground - no transformer	\$	300.00
Temporary service install & remove - overhead - with transformer	\$	1000.00
Specific Charge for Access to the Power Poles \$/pole/year	\$	22.35

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)

LOSS FACTORS

Total Loss Factor – Secondary Metered Customer < 5,000 kW	1.0457
Total Loss Factor – Secondary Metered Customer > 5,000 kW	1.0145
Total Loss Factor – Primary Metered Customer < 5,000 kW	1.0352
Total Loss Factor – Primary Metered Customer > 5,000 kW	1.0045



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

October 31 2007

Sheet 11 - Distribution Rate Change Summary

Note: No inputs are required for this worksheet.

Residential

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 11.23	\$ 0.0138
Less: Smart meters	-\$ 0.27	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.10	\$ 0.0001
Add: K-Factor	\$ (0.05)	-\$ 0.0001
Add: Smart Meters	\$ 0.27	\$ -
Final 2008 Rates	\$ 11.27	\$ 0.0139

General Service Less Than 50 kW

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 17.35	\$ 0.0125
Less: Smart meters	-\$ 0.27	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.15	\$ 0.0001
Add: K-Factor	\$ (0.09)	-\$ 0.0001
Add: Smart Meters	\$ 0.27	\$ -
Final 2008 Rates	\$ 17.42	\$ 0.0126

General Service 50 to 999 kW

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 186.71	\$ 1.0648
Less: Smart meters	-\$ 0.27	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 1.68	\$ 0.0096
Add: K-Factor	\$ (0.93)	-\$ 0.0053
Add: Smart Meters	\$ 0.27	\$ -
Final 2008 Rates	\$ 187.46	\$ 1.0691

General Service 1,000 to 4,999 kW

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 1,634.73	\$ 1.4378
Less: Smart meters	-\$ 0.27	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 14.71	\$ 0.0129
Add: K-Factor	\$ (8.17)	-\$ 0.0072
Add: Smart Meters	\$ 0.27	\$ -
Final 2008 Rates	\$ 1,641.27	\$ 1.4436



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

October 31 2007

Sheet 11 - Distribution Rate Change Summary

Unmetered Scattered Load

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 8.52	\$ 0.0124
Less: Smart meters	\$ -	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.08	\$ 0.0001
Add: K-Factor	\$ (0.04)	\$ 0.0001
Add: Smart Meters	\$ -	\$ -
Final 2008 Rates	\$ 8.55	\$ 0.0124

Sentinel Lighting

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 6.13	\$ 4.9171
Less: Smart meters	\$ -	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.06	\$ 0.0443
Add: K-Factor	\$ (0.03)	\$ 0.0246
Add: Smart Meters	\$ -	\$ -
Final 2008 Rates	\$ 6.15	\$ 4.9368

Street Lighting

Data	Fixed (\$)	Volumetric \$ per kW / kWh
2007 Rates	\$ 0.34	\$ 2.0590
Less: Smart meters	\$ -	\$ -
Less: CDM	\$ -	\$ -
Add: GDP-IPi - X	\$ 0.00	\$ 0.0185
Add: K-Factor	\$ (0.00)	\$ 0.0103
Add: Smart Meters	\$ -	\$ -
Final 2008 Rates	\$ 0.34	\$ 2.0672



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

October 31 2007

Ontario

Sheet 11 - Distribution Rate Change Summary



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

October 31 2007

Ontario

Sheet 11 - Distribution Rate Change Summary

2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL
 Thunder Bay Hydro Electricity Distribution Inc.
 EB-2007-XXXX, EB-2007-0580, EB-2005-0419
 October 31 2007
Sheet 12 - Annualized Bill Impact

Instructions
 (Remember, green cells are input cells)

1. Enter your desired consumption in both kWh and kW (if needed) into the green cells beneath the class name.
2. The Debt Retirement Charge (DRC) has been set at \$0.07. The figure can be overwritten if your LDC bills a different amount for the DRC.

Regulated Price Plan	Residential	May-07 Threshold	May-07 \$/ kWh	May-08 Threshold	May-08 \$/ kWh
less than or equal to		600	\$ 0.053	600	\$ 0.053
greater than		> 600	\$ 0.062	> 600	\$ 0.062

Regulated Price Plan	Non-Residential	May-07 Threshold	May-07 \$/ kWh	May-08 Threshold	May-08 \$/ kWh
less than or equal to		750	\$ 0.053	750	\$ 0.053
greater than		> 750	\$ 0.062	> 750	\$ 0.062

Residential

Consumption **1,000 kWh** **0 kW** **Loss Factor 1.0457**

	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	600	\$ 0.0530	\$ 31.80	600	\$ 0.0530	\$ 31.80	\$0.00	0.0%	28.37%
Energy Second Tier (kWh)	446	\$ 0.0620	\$ 27.63	446	\$ 0.0620	\$ 27.63	\$0.00	0.0%	24.65%
Sub-Total: Energy			\$ 59.43			\$ 59.43	\$0.00	0.0%	53.01%
Monthly Service Charge	1	\$ 11.23	\$ 11.23	1	\$ 11.27	\$ 11.27	\$0.04	0.4%	10.05%
Distribution (kWh)	1,000	\$ 0.0138	\$ 13.80	1,000	\$ 0.0139	\$ 13.90	\$0.10	0.7%	12.40%
Distribution (kW)	0	\$ -	\$ -	0	\$ -	\$ -	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	1,000	\$ 0.0004	\$ 0.40	1,000	\$ -	\$ -	(\$0.40)	(100.0)%	0.00%
Rate Riders	1,000	\$ 0.0006	\$ 0.60	1,000	\$ -	\$ -	(\$0.60)	(100.0)%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Retail Transmission Rate – Network Service Rate	1,046	\$ 0.0046	\$ 4.81	1,046	\$ 0.0046	\$ 4.81	\$0.00	0.0%	4.29%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1,046	\$ 0.0025	\$ 2.61	1,046	\$ 0.0025	\$ 2.61	\$0.00	0.0%	2.33%
Sub-Total: Delivery			\$ 33.45			\$ 32.59	(\$0.86)	(2.6)%	29.07%
Wholesale Market Service Rate	1046	\$ 0.0052	\$ 5.44	1046	\$ 0.0052	\$ 5.44	\$0.00	0.0%	4.85%
Rural Rate Protection Charge	1046	\$ 0.0010	\$ 1.05	1046	\$ 0.0010	\$ 1.05	\$0.00	0.0%	0.93%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.22%
Sub-Total: Regulatory			\$ 6.73			\$ 6.73	\$0.00	0.0%	6.01%
Debt Retirement Charge (DRC)	1,000	\$ 0.0070	\$ 7.00	1,000	\$ 0.0070	\$ 7.00	\$0.00	0.0%	6.24%
Total Bill before Taxes			\$ 106.62			\$ 105.76	(\$0.86)	(0.8)%	94.34%
GST		\$ 106.62	6.00%	\$ 105.76	6.00%	\$ 6.35	(\$0.05)	(0.8)%	5.66%
Total Bill after Taxes			\$ 113.02			\$ 112.11	(\$0.91)	(0.8)%	100.00%

General Service Less Than 50 kW

Consumption **2,000 kWh** **0 kW** **Loss Factor 1.0457**

	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%	18.17%
Energy Second Tier (kWh)	1,341	\$ 0.0620	\$ 83.17	1,341	\$ 0.0620	\$ 83.17	\$0.00	0.0%	38.02%
Sub-Total: Energy			\$ 122.92			\$ 122.92	\$0.00	0.0%	56.20%
Monthly Service Charge	1	\$ 17.35	\$ 17.35	1	\$ 17.42	\$ 17.42	\$0.07	0.4%	7.96%
Distribution (kWh)	2,000	\$ 0.0125	\$ 25.00	2,000	\$ 0.0126	\$ 25.20	\$0.20	0.8%	11.52%
Distribution (kW)	0	\$ -	\$ -	0	\$ -	\$ -	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	2,000	\$ 0.0004	\$ 0.80	2,000	\$ -	\$ -	(\$0.80)	(100.0)%	0.00%
Rate Riders	2,000	\$ 0.0007	\$ 1.40	2,000	\$ -	\$ -	(\$1.40)	(100.0)%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	2,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Retail Transmission Rate – Network Service Rate	2,091	\$ 0.0042	\$ 8.78	2,091	\$ 0.0042	\$ 8.78	\$0.00	0.0%	4.02%
Retail Transmission Rate – Line and Transformation Connection Service Rate	2,091	\$ 0.0023	\$ 4.81	2,091	\$ 0.0023	\$ 4.81	\$0.00	0.0%	2.20%
Sub-Total: Delivery			\$ 58.14			\$ 56.21	(\$1.93)	(3.3)%	25.70%
Wholesale Market Service Rate	2091	\$ 0.0052	\$ 10.88	2091	\$ 0.0052	\$ 10.88	\$0.00	0.0%	4.97%
Rural Rate Protection Charge	2091	\$ 0.0010	\$ 2.09	2091	\$ 0.0010	\$ 2.09	\$0.00	0.0%	0.96%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.11%
Sub-Total: Regulatory			\$ 13.22			\$ 13.22	\$0.00	0.0%	6.04%
Debt Retirement Charge (DRC)	2,000	\$ 0.0070	\$ 14.00	2,000	\$ 0.0070	\$ 14.00	\$0.00	0.0%	6.40%
Total Bill before Taxes			\$ 208.28			\$ 206.35	(\$1.93)	(0.9)%	94.34%
GST		\$ 208.28	6.00%	\$ 206.35	6.00%	\$ 12.38	(\$0.12)	(0.9)%	5.66%
Total Bill after Taxes			\$ 220.77			\$ 218.73	(\$2.05)	(0.9)%	100.00%

General Service 50 to 999 kW

Consumption **54,300 kWh** **135 kW** **Loss Factor 1.0457**

	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%	0.70%
Energy Second Tier (kWh)	56,032	\$ 0.0620	\$ 3,473.95	56,032	\$ 0.0620	\$ 3,473.95	\$0.00	0.0%	61.36%
Sub-Total: Energy			\$ 3,513.70			\$ 3,513.70	\$0.00	0.0%	62.06%
Monthly Service Charge	1	\$ 186.71	\$ 186.71	1	\$ 187.46	\$ 187.46	\$0.75	0.4%	3.31%
Distribution (kWh)	54,300	\$ -	\$ -	54,300	\$ -	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	135	\$ 1.0648	\$ 143.75	135	\$ 1.0691	\$ 144.33	\$0.58	0.4%	2.55%
Regulatory Assets (kWh)	135	\$ 0.1604	\$ 21.65	135	\$ -	\$ -	(\$21.65)	(100.0)%	0.00%
Rate Riders	135	\$ 0.0899	\$ 12.14	135	\$ -	\$ -	(\$12.14)	(100.0)%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	135	\$ -	\$ -	\$0.00	0.0%	0.00%
Retail Transmission Rate – Network Service Rate	141	\$ 3.5130	\$ 495.93	141	\$ 3.5130	\$ 495.93	\$0.00	0.0%	8.76%
Retail Transmission Rate – Line and Transformation Connection Service Rate	141	\$ 1.8923	\$ 267.14	141	\$ 1.8923	\$ 267.14	\$0.00	0.0%	4.72%
Sub-Total: Delivery			\$ 1,127.31			\$ 1,094.85	(\$32.46)	(2.9)%	19.34%
Wholesale Market Service Rate	56782	\$ 0.0052	\$ 295.26	56782	\$ 0.0052	\$ 295.26	\$0.00	0.0%	5.22%
Rural Rate Protection Charge	56782	\$ 0.0010	\$ 56.78	56782	\$ 0.0010	\$ 56.78	\$0.00	0.0%	1.00%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.00%
Sub-Total: Regulatory			\$ 352.30			\$ 352.30	\$0.00	0.0%	6.22%
Debt Retirement Charge (DRC)	54,300	\$ 0.0070	\$ 380.10	54,300	\$ 0.0070	\$ 380.10	\$0.00	0.0%	6.71%
Total Bill before Taxes			\$ 5,373.41			\$ 5,340.95	(\$32.46)	(0.6)%	94.34%
GST		\$ 5,373.41	6.00%	\$ 5,340.95	6.00%	\$ 320.46	(\$1.95)	(0.6)%	5.66%
Total Bill after Taxes			\$ 5,695.82			\$ 5,661.41	(\$34.41)	(0.6)%	100.00%



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.
EB-2007-XXXX, EB-2007-0580, EB-2005-0419
October 31 2007

Sheet 12 - Annualized Bill Impact

General Service 1.000 to 4.999 kW

Consumption 1,100,000 kWh 3,000 kW **Loss Factor 1.0457**

	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	750	\$ 0.0530	\$ 39.75	750	\$ 0.0530	\$ 39.75	\$0.00	0.0%	0.04%
Energy Second Tier (kWh)	1,149,520	\$ 0.0620	\$ 71,270.24	1,149,520	\$ 0.0620	\$ 71,270.24	\$0.00	0.0%	66.63%
Sub-Total: Energy			\$ 71,309.99			\$ 71,309.99	\$0.00	0.0%	66.67%
Monthly Service Charge	1	\$ 1,634.73	\$ 1,634.73	1	\$ 1,641.27	\$ 1,641.27	\$6.54	0.4%	1.53%
Distribution (kWh)	1,100,000	\$ -	\$ -	1,100,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	3,000	\$ 1.4378	\$ 4,313.40	3,000	\$ 1.4436	\$ 4,330.80	\$17.40	0.4%	4.05%
Regulatory Assets (kWh)	3,000	-\$ 0.0577	-\$ 173.10	3,000	\$ -	\$ -	\$173.10	(100.0)%	0.00%
Rate Riders	3,000	\$ 0.0316	\$ 94.80	3,000	\$ -	\$ -	(\$94.80)	(100.0)%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	3,000	\$ -	\$ -	\$0.00	0.0%	0.00%
Retail Transmission Rate – Network Service Rate	3,137	\$ 1.8083	\$ 5,672.82	3,137	\$ 1.8083	\$ 5,672.82	\$0.00	0.0%	5.30%
Retail Transmission Rate – Line and Transformation Connection Service Rate	3,137	\$ 0.9934	\$ 3,116.40	3,137	\$ 0.9934	\$ 3,116.40	\$0.00	0.0%	2.91%
Sub-Total: Delivery			\$ 14,659.04			\$ 14,761.28	\$102.24	0.7%	13.80%
Wholesale Market Service Rate	1150270	\$ 0.0052	\$ 5,981.40	1150270	\$ 0.0052	\$ 5,981.40	\$0.00	0.0%	5.59%
Rural Rate Protection Charge	1150270	\$ 0.0010	\$ 1,150.27	1150270	\$ 0.0010	\$ 1,150.27	\$0.00	0.0%	1.08%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.00%
Sub-Total: Regulatory			\$ 7,131.92			\$ 7,131.92	\$0.00	0.0%	6.67%
Debt Retirement Charge (DRC)	1,100,000	\$ 0.0070	\$ 7,700.00	1,100,000	\$ 0.0070	\$ 7,700.00	\$0.00	0.0%	7.20%
Total Bill before Taxes			\$ 100,800.96			\$ 100,903.20	\$102.24	0.1%	94.34%
GST	\$ 100,800.96	6.00%	\$ 6,048.06	\$ 100,903.20	6.00%	\$ 6,054.19	\$6.13	0.1%	5.66%
Total Bill after Taxes			\$ 106,849.01			\$ 106,957.39	\$108.37	0.1%	100.00%

Unmetered Scattered Load

Consumption 355 kWh 0 kW **Loss Factor 1.0457**

	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	371	\$ 0.0530	\$ 19.67	371	\$ 0.0530	\$ 19.67	\$0.00	0.0%	46.31%
Energy Second Tier (kWh)	0	\$ 0.0620	\$ -	0	\$ 0.0620	\$ -	\$0.00	0.0%	0.00%
Sub-Total: Energy			\$ 19.67			\$ 19.67	\$0.00	0.0%	46.31%
Monthly Service Charge	1	\$ 8.52	\$ 8.52	1	\$ 8.55	\$ 8.55	\$0.03	0.4%	20.13%
Distribution (kWh)	355	\$ 0.0124	\$ 4.40	355	\$ 0.0124	\$ 4.40	\$0.00	0.0%	10.36%
Distribution (kW)	0	\$ -	\$ -	0	\$ -	\$ -	\$0.00	0.0%	0.00%
Regulatory Assets (kWh)	355	\$ -	\$ -	355	\$ -	\$ -	\$0.00	0.0%	0.00%
Rate Riders	355	\$ 0.0006	\$ 0.21	355	\$ -	\$ -	(\$0.21)	(100.0)%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	355	\$ -	\$ -	\$0.00	0.0%	0.00%
Retail Transmission Rate – Network Service Rate	371	\$ 0.0042	\$ 1.56	371	\$ 0.0042	\$ 1.56	\$0.00	0.0%	3.67%
Retail Transmission Rate – Line and Transformation Connection Service Rate	371	\$ 0.0023	\$ 0.85	371	\$ 0.0023	\$ 0.85	\$0.00	0.0%	2.01%
Sub-Total: Delivery			\$ 15.55			\$ 15.36	(\$0.18)	(1.2)%	36.17%
Wholesale Market Service Rate	371	\$ 0.0052	\$ 1.93	371	\$ 0.0052	\$ 1.93	\$0.00	0.0%	4.54%
Rural Rate Protection Charge	371	\$ 0.0010	\$ 0.37	371	\$ 0.0010	\$ 0.37	\$0.00	0.0%	0.87%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.59%
Sub-Total: Regulatory			\$ 2.55			\$ 2.55	\$0.00	0.0%	6.01%
Debt Retirement Charge (DRC)	355	\$ 0.0070	\$ 2.49	355	\$ 0.0070	\$ 2.49	\$0.00	0.0%	5.85%
Total Bill before Taxes			\$ 40.26			\$ 40.08	(\$0.18)	(0.5)%	94.34%
GST	\$ 40.26	6.00%	\$ 2.42	\$ 40.08	6.00%	\$ 2.40	(\$0.01)	(0.5)%	5.66%
Total Bill after Taxes			\$ 42.67			\$ 42.48	(\$0.19)	(0.5)%	100.00%

Sentinel Lighting

Consumption 150 kWh 1 kW **Loss Factor 1.0457**

	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	157	\$ 0.0530	\$ 8.31	157	\$ 0.0530	\$ 8.31	\$0.00	0.0%	33.00%
Energy Second Tier (kWh)	0	\$ 0.0620	\$ -	0	\$ 0.0620	\$ -	\$0.00	0.0%	0.00%
Sub-Total: Energy			\$ 8.31			\$ 8.31	\$0.00	0.0%	33.00%
Monthly Service Charge	1	\$ 6.13	\$ 6.13	1	\$ 6.15	\$ 6.15	\$0.02	0.3%	24.41%
Distribution (kWh)	150	\$ -	\$ -	150	\$ -	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	1	\$ 4.9171	\$ 4.92	1	\$ 4.9368	\$ 4.94	\$0.02	0.4%	19.60%
Regulatory Assets (kWh)	1	\$ -	\$ -	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Rate Riders	1	\$ 0.4848	\$ 0.48	1	\$ -	\$ -	(\$0.48)	(100.0)%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Retail Transmission Rate – Network Service Rate	1	\$ 1.2921	\$ 1.35	1	\$ 1.2921	\$ 1.35	\$0.00	0.0%	5.36%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1	\$ 0.7094	\$ 0.74	1	\$ 0.7094	\$ 0.74	\$0.00	0.0%	2.94%
Sub-Total: Delivery			\$ 13.62			\$ 13.18	(\$0.45)	(3.3)%	52.32%
Wholesale Market Service Rate	157	\$ 0.0052	\$ 0.82	157	\$ 0.0052	\$ 0.82	\$0.00	0.0%	3.24%
Rural Rate Protection Charge	157	\$ 0.0010	\$ 0.16	157	\$ 0.0010	\$ 0.16	\$0.00	0.0%	0.62%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.99%
Sub-Total: Regulatory			\$ 1.22			\$ 1.22	\$0.00	0.0%	4.85%
Debt Retirement Charge (DRC)	150	\$ 0.0070	\$ 1.05	150	\$ 0.0070	\$ 1.05	\$0.00	0.0%	4.17%
Total Bill before Taxes			\$ 24.21			\$ 23.77	(\$0.45)	(1.8)%	94.34%
GST	\$ 24.21	6.00%	\$ 1.45	\$ 23.77	6.00%	\$ 1.43	(\$0.03)	(1.8)%	5.66%
Total Bill after Taxes			\$ 25.66			\$ 25.19	(\$0.47)	(1.8)%	100.00%

Street Lighting

Consumption 330 kWh 1 kW **Loss Factor 1.0457**

	2007 BILL			2008 BILL			IMPACT		
	Volume	RATE \$	CHARGE \$	Volume	RATE \$	CHARGE \$	\$	%	% of Total Bill
Energy First Tier (kWh)	345	\$ 0.0530	\$ 18.29	345	\$ 0.0530	\$ 18.29	\$0.00	0.0%	62.82%
Energy Second Tier (kWh)	0	\$ 0.0620	\$ -	0	\$ 0.0620	\$ -	\$0.00	0.0%	0.00%
Sub-Total: Energy			\$ 18.29			\$ 18.29	\$0.00	0.0%	62.82%
Monthly Service Charge	1	\$ 0.34	\$ 0.34	1	\$ 0.34	\$ 0.34	\$0.00	0.0%	1.17%
Distribution (kWh)	330	\$ -	\$ -	330	\$ -	\$ -	\$0.00	0.0%	0.00%
Distribution (kW)	1	\$ 2.0590	\$ 2.06	1	\$ 2.0672	\$ 2.07	\$0.01	0.4%	7.10%
Regulatory Assets (kWh)	1	-\$ 0.1224	-\$ 0.12	1	\$ -	\$ -	\$0.12	(100.0)%	0.00%
Rate Riders	1	\$ 0.3369	\$ 0.34	1	\$ -	\$ -	(\$0.34)	(100.0)%	0.00%
Monthly Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Volumetric Rate Rider Adjustment (Sheet 9)	N/A	N/A	N/A	1	\$ -	\$ -	\$0.00	0.0%	0.00%
Retail Transmission Rate – Network Service Rate	1	\$ 1.2856	\$ 1.34	1	\$ 1.2856	\$ 1.34	\$0.00	0.0%	4.62%
Retail Transmission Rate – Line and Transformation Connection Service Rate	1	\$ 0.6949	\$ 0.73	1	\$ 0.6949	\$ 0.73	\$0.00	0.0%	2.50%
Sub-Total: Delivery			\$ 4.68			\$ 4.48	(\$0.21)	(4.4)%	15.38%
Wholesale Market Service Rate	345	\$ 0.0052	\$ 1.79	345	\$ 0.0052	\$ 1.79	\$0.00	0.0%	6.16%
Rural Rate Protection Charge	345	\$ 0.0010	\$ 0.35	345	\$ 0.0010	\$ 0.35	\$0.00	0.0%	1.19%
Regulated Price Plan – Administration Charge	1	\$ 0.2500	\$ 0.25	1	\$ 0.2500	\$ 0.25	\$0.00	0.0%	0.86%
Sub-Total: Regulatory			\$ 2.39			\$ 2.39	\$0.00	0.0%	8.21%
Debt Retirement Charge (DRC)	330	\$ 0.0070	\$ 2.31	330	\$ 0.0070	\$ 2.31	\$0.00	0.0%	7.93%
Total Bill before Taxes			\$ 27.67			\$ 27.47	(\$0.21)	(0.7)%	94.34%
GST	\$ 27.67	6.00%	\$ 1.66	\$ 27.47	6.00%	\$ 1.65	(\$0.01)	(0.7)%	5.66%
Total Bill after Taxes			\$ 29.33			\$ 29.12	(\$0.22)	(0.7)%	100.00%



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

October 31 2007

Sheet 13 - Bill Impacts by Consumption

Click on the Calculate" button to determine a series of bill impacts for each class at different consumption levels.

Please note that the values input into columns C (kWh) and D (kW) below are filler only and may or may not reflect the true consumption nature of the associated rate class. It is the applicant's responsibility to ensure realistic value ranges are entered into the Columns C & D.

Class	Consumption kWh	Consumption kW	2007 Bill	2008 Bill	Difference \$	Bill Impact %	Max	Min
Residential	100		\$ 21.83	\$ 21.78	\$ (0.05)	-0.2%	-0.2%	-0.8%
	250		\$ 36.32	\$ 36.12	\$ (0.20)	-0.5%		
	500		\$ 60.47	\$ 60.03	\$ (0.43)	-0.7%		
	750		\$ 86.38	\$ 85.70	\$ (0.67)	-0.8%		
	1,000		\$ 113.02	\$ 112.11	\$ (0.91)	-0.8%		
	1,500		\$ 166.31	\$ 164.92	\$ (1.39)	-0.8%		
	2,000		\$ 219.59	\$ 217.73	\$ (1.87)	-0.8%		
General Service Less Than 50 kW	1,000		\$ 116.14	\$ 115.15	\$ (0.99)	-0.8%	-0.8%	-1.0%
	2,000		\$ 220.77	\$ 218.73	\$ (2.05)	-0.9%		
	2,500		\$ 273.09	\$ 270.52	\$ (2.58)	-0.9%		
	5,000		\$ 534.68	\$ 529.46	\$ (5.23)	-1.0%		
	10,000		\$ 1,057.87	\$ 1,047.34	\$ (10.53)	-1.0%		
	12,500		\$ 1,319.46	\$ 1,306.28	\$ (13.18)	-1.0%		
	15,000		\$ 1,581.05	\$ 1,565.22	\$ (15.83)	-1.0%		
General Service 50 to 999 kW	40,000	100	\$ 4,250.20	\$ 4,224.92	\$ (25.28)	-0.6%	-0.6%	-1.1%
	50,000	125	\$ 5,264.99	\$ 5,233.19	\$ (31.80)	-0.6%		
	100,000	500	\$ 12,185.33	\$ 12,055.75	\$ (129.59)	-1.1%		
	400,000	1,000	\$ 40,782.79	\$ 40,522.82	\$ (259.97)	-0.6%		
	1,000,000	3,000	\$ 105,363.17	\$ 104,581.68	\$ (781.49)	-0.7%		
	1,500,000	4,500	\$ 157,949.24	\$ 156,776.62	\$ (1,172.63)	-0.7%		
	2,000,000	6,000	\$ 210,535.32	\$ 208,971.55	\$ (1,563.77)	-0.7%		
General Service 1,000 to 4,999 kW	1,000,000	3,000	\$ 98,547.44	\$ 98,655.81	\$ 108.37	0.1%	0.4%	0.0%
	1,200,000	4,000	\$ 119,752.51	\$ 119,894.70	\$ 142.19	0.1%		
	1,800,000	4,000	\$ 169,561.96	\$ 169,704.15	\$ 142.19	0.1%		
	8,000,000	3,000	\$ 679,657.65	\$ 679,766.03	\$ 108.37	0.0%		
			\$ 1,733.08	\$ 1,740.01	\$ 6.93	0.4%		
			\$ 1,733.08	\$ 1,740.01	\$ 6.93	0.4%		
			\$ 1,733.08	\$ 1,740.01	\$ 6.93	0.4%		
Unmetered Scattered Load	355		\$ 42.67	\$ 42.48	\$ (0.19)	-0.5%	0.3%	-0.5%
			\$ 9.30	\$ 9.33	\$ 0.03	0.3%		
			\$ 9.30	\$ 9.33	\$ 0.03	0.3%		
			\$ 9.30	\$ 9.33	\$ 0.03	0.3%		
			\$ 9.30	\$ 9.33	\$ 0.03	0.3%		
			\$ 9.30	\$ 9.33	\$ 0.03	0.3%		
			\$ 9.30	\$ 9.33	\$ 0.03	0.3%		



2008 INCENTIVE RATE MECHANISM ADJUSTMENT MODEL

Thunder Bay Hydro Electricity Distribution Inc.

EB-2007-XXXX, EB-2007-0580, EB-2005-0419

October 31 2007

Sheet 13 - Bill Impacts by Consumption

Click on the Calculate" button to determine a series of bill impacts for each class at different consumption levels.

Please note that the values input into columns C (kWh) and D (kW) below are filler only and may or may not reflect the true consumption nature of the associated rate class. It is the applicant's responsibility to ensure realistic value ranges are entered into the Columns C & D.

Class	Consumption kWh	Consumption kW	2007 Bill	2008 Bill	Difference \$	Bill Impact %	Max	Min
Sentinel Lighting	150	1	\$ 25.66	\$ 25.19	\$ (0.47)	-1.8%	0.3%	-1.8%
	200	1	\$ 29.32	\$ 28.84	\$ (0.47)	-1.6%		
			\$ 6.76	\$ 6.78	\$ 0.02	0.3%		
			\$ 6.76	\$ 6.78	\$ 0.02	0.3%		
			\$ 6.76	\$ 6.78	\$ 0.02	0.3%		
			\$ 6.76	\$ 6.78	\$ 0.02	0.3%		
Street Lighting	330	1	\$ 29.33	\$ 29.12	\$ (0.22)	-0.7%	0.0%	-0.7%
			\$ 0.63	\$ 0.63	\$ -	0.0%		
			\$ 0.63	\$ 0.63	\$ -	0.0%		
			\$ 0.63	\$ 0.63	\$ -	0.0%		
			\$ 0.63	\$ 0.63	\$ -	0.0%		
			\$ 0.63	\$ 0.63	\$ -	0.0%		