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April 20, 2010

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Ontario Energy Board 2300 Young Street 27<sup>th</sup> Floor Toronto, ON M4P 1E4

Attention: Kirsten Walli

**Board Secretary** 

Re: Haldimand County Hydro Inc.

2010 Electricity Distribution Rate (Cost of Service) Application Responses to Comments - Draft Rate Order (EB-2009-0265)

In accordance with the Board's Decision and Order, dated March 31, 2010, Haldimand County Hydro Inc. is respectfully submitting the responses to comments on the Draft Rate Order related to its 2010 Cost of Service Rate Application for Electricity Distribution Rates to be effective May 1, 2010.

Comments were received from Board Staff and Energy Probe Research Foundation ("Energy Probe"). The Vulnerable Energy Consumers Coalition ("VECC") supported the comments and requests of Energy Probe but had no additional comments. The School Energy Coalition ("SEC") and Ms. Lisa Pryor did not have any comments on the Draft Rate Order.

Please find enclosed two paper copies of the responses to comments on Haldimand County Hydro Inc.'s Draft Rate Order. One electronic copy in searchable/unrestricted PDF format has been submitted via the Board's web portal today.

Yours truly, HALDIMAND COUNTY HYDRO INC.

Original Signed By

Jacqueline A. Scott Finance Manager

EB-2009-0265 Haldimand County Hydro Inc. Responses to Comments - Draft Rate Order Filed April 20, 2010 Page 2 of 12

### Board Staff Comments on Draft Rate Order Haldimand County Hydro Inc. ("Haldimand") 2010 Electricity Distribution Rate Application EB-2009-0265 Dated: April 16, 2010

 Appendix A provides the Tariff of Rates and Charges. The tariff sheet for Embedded Distributor – Hydro One Networks Inc. includes charges for the Regulatory Component. This includes the Wholesale Market Service Rate, Rural Rate Protection Charge and Standard Supply Service Charge. At the same time, the Embedded Distributor tariff sheet for Norfolk Power Distribution Inc. does not include a Regulatory Component and the charges identified above. It is not clear if the Regulatory Component charges are applicable to Hydro One.

Board staff submits that Haldimand provide clarification on this issue as well as explain the reason why Hydro One would have to pay the Regulatory Component related charges.

#### Response

In the original rate application at Exhibit 1, Tab 1, Schedule 12, the two situations where HCHI is a host distributor were explained - Norfolk Power Distribution Inc. ("NPDI") and Hydro One Networks Inc. ("HONI").

The Regulatory Component charges are applicable to 7 of the 8 metered supply points at which Hydro One Networks Inc. is an Embedded Distributor to Haldimand County Hydro Inc. ("HCHI").

HONI's customer Air Products Canada Ltd. is a wholesale market participant at the IESO-registered meter connected to the HCHI-owned 57M1 feeder and pays all electricity related charges directly to the IESO. Consequently, the Regulatory Component related charges are not applicable to this one HONI supply point. However, at the remaining 7 metering points, HCHI is the wholesale market participant and pays the IESO all electricity related charges and settles with HONI using HCHI's retail billing process. The energy load forecast provided by HONI for the 2010 rate year of 83,184,875 kWh is only related to these 7 metering points. Thus, the Regulatory Component on the Tariff of Rates and Charges was included for the Embedded Distributor Hydro One Networks Inc.

NPDI is the wholesale market participant at the IESO-registered meter installed at the Highway 6 embedded metering point and pays all electricity related charges directly to the IESO. This results in no energy related charges appearing on the Tariff of Rates and Charges under the Regulatory Component. This scenario is similar to the HONI supply for Air Products.

### Energy Probe Comments on Draft Rate Order Haldimand County Hydro Inc. 2010 Electricity Distribution Rate Application EB-2009-0265 Dated: April 14, 2010

1. First, there are no calculations provided to support the figure of \$11,341,667 shown as the Distribution Revenue at Current Rates in the Per Board Decision column of the Revenue Requirement Work Form provided as Appendix C to the draft Rate Order page 42 of 66. In the Board's Decision, the load forecast was increased from 343,105,621 kWh to 347,000,000 kWh. This change has also had an impact on the kW demand forecast. The changes in the load forecast are shown in Appendix E to the draft Rate Order. However, without the detailed calculations, Energy Probe is unable to determine whether the increase in the Distribution Revenue at Current Rates shown in Appendix C is accurate. Energy Probe submits that Haldimand Should provide a supplemental schedule or appendix showing the calculation of this revenue based on the higher kWh and kW forecast approved by the Board.

#### Response

The following table provides the calculations requested by Energy Probe to support the increased Distribution Revenue at Current Rates as shown in the Per Board Decision column of the Revenue Requirement Work Form.

Customer Class	2010 Forecasted kWh / kW (Variable Determinant)		2010 Forecasted Annualized Customer / Connection (Fixed Determinant)		2009 Approved Variable Rate (Excluding LV)	2009 Approved Fixed Rate (Excluding Smart Meter)	2010 Variable Distribution Revenue at 2009 Approved Rates	2010 Fixed Distribution Revenue at 2009 Approved Rates	Transformer Allowance	Total 2010 Distribution Revenue at 2009 Approved Rates
					(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
Residential	171,936,412	kWh	222,408	Cust.	0.0305	11.01	5,244,061	2,448,712		7,692,773
G/S < 50 kW	61,801,919	kWh	28,284	Cust.	0.0220	18.07	1,359,642	511,092		1,870,734
G/S 50 to 4999 kW	298,148	kW	1,716	Cust.	5.7064	33.65	1,701,352	57,743	(95,362)	1,663,733
Sentinel Lights	1,167	kW	7,068	Conn.	4.4093	1.71	5,146	12,086		17,232
Street Lighting	6,475	kW	34,548	Conn.	3.8651	1.51	25,027	52,167		77,194
Unmetered Scattered Load	482,264	kWh	1,008	Conn.	0.0226	9.03	10,899	9,102		20,001
Embedded Distributor - Hydro One Networks Inc.	276,949	kW	96	Cust.	-	-	0	0		0
							8,346,126	3,090,903	(95,362)	11,341,667

2. Second, Energy Probe notes that Table 3 in Appendix E (page 53 of 66) has a column showing the Net Change for non-RPP kWh. However, there is no similar column showing the net change for RPP kWh. Further Energy Probe seeks clarification on the apparent change in the mix of RPP and non-RPP volumes shown in the two columns under the Revised per Board Decision heading relative to those columns shown under the Revised per Settlement heading. For example, in addition to the increase in total volumes, which appears to be correct to Energy Probe, there is a movement of RPP volumes to the non-RPP category and a reduction in RPP volumes in all rate classes except Residential and Unmetered Scattered Loads. These changes may be appropriate, but they should be explained by Haldimand.

#### Response

The percentage allocation of kWh between RPP volumes and non-RPP volumes was previously based on 2008 historical data. HCHI has now updated these percentage allocators for all rate classes based on the 2009 year-end historical data which more accurately reflects the mix of RPP and non-RPP volumes in the 2010 rate year. This change in volume from RPP to non-RPP is primarily a result of the movement of MUSH sector customers from RPP to non-RPP effective November 1, 2009.

The following is a revised "Table 3 – Load Forecast Broken Down Between RPP & Non-RPP kWh" from Appendix E (page 53 of 66) of the Draft Rate Order. The table now shows the net change in RPP kWh and non-RPP kWh between the Settlement Proposal and the Rate Order as well as the percentage allocators used in the Settlement Proposal and Rate Order.

	20 Test		20 Test		20 Test		Net Change	Net Change		010 Year
	Origin Applio		Revise Settle		Reviso Board D		Settlement to Rate Order	Settlement to Rate Order	Historical Non-RPP % (Based on 2008 Actual)	Historical Non-RPP % (Based on 2009 Year- End Actual Stats)
Customer Rate Class	RPP kWh	Non-RPP kWh	RPP kWh	Non-RPP kWh	RPP kWh	Non-RPP kWh	RPP kWh	Non-RPP kWh	Settlement	Rate Order
Residential	145,763,427	23,728,930	144,888,589	24,603,768	146,522,771	25,413,641	1,634,182	809,873	15%	159
General Service < 50 kW	51,175,666	9,747,746	51,361,224	9,562,188	51,289,410	10,512,509	(71,814)		16%	179
General Service > 50 to 4999 kW	21,724,761	5,774,937	11,981,029	15,518,669	11,676,864	16,052,568	(304,165)	533,899	56%	589
General Service > 50 to 4999 kW										
Interval Metered	64,748,562	17,211,643	22,645,116	59,315,089	21,694,887	60,607,401	(950,229)	1,292,312	72%	749
Sentinel Lights	368,657	50,271	369,663	49,265	366,728	52,200	(2,935)	2,935	12%	129
Street Lighting	2,328,757	-	2,328,757	-	36,330	2,292,427	(2,292,427)	2,292,427	0%	989
Unmetered Scattered Loads	482,264	-	482,264	-	482,264	-	-	-	0%	09
RPP & Non-RPP kWh Break-Down	286,592,094	56,513,527	234,056,642	109,048,979	232,069,254	114,930,746	(1,987,388)	5,881,767		

3. Third, in a related matter, Energy Probe believes that the Cost of Power Details shown in Table 3 of Appendix D (page 51 of 66) should be clarified with further explanations and details of the calculations used to arrive at the figures used in the Revised per Board Decision relative to the Original per Application and Revised per Settlement columns. In particular, there are changes to accounts 4708, 4714, 4716 and 4750 shown in the Revised per Board Decision column relative to those shown in the Revised per Settlement column. These changes should be explained by referring to the change in the volumes and /or rates used and the derivation of the changes based on the approved Board forecast. Showing the calculations would provide needed clarity.

As for account 4705 Power Purchased, Energy Probe is unable to easily verify the figure of \$23,063,072 shown in the Revised per Board Decision column. The following table is an attempt by Energy Probe to estimate the cost of the power purchased based on the Board approval kWh billing forecast of 347,000,000 kWh.

		Loss			
	<u>Billed</u>	<u>Factor</u>	<u>Purchases</u>	<u>Rate</u>	Cost
	(1)	(2)	(3)	(4)	
RPP kWh	232,069,254	1.068	247,849,963	0.06215	15,403,875
Non-RPP					
kWh	<u>114,930,746</u>	1.068	122,746,037	0.06086	7,470,324
	347,000,000		370,596,000		22,874,199

- (1) Appendix E, Table 3
- (2) Appendix E, Table 1
- (3) Appendix E, Table 1 total purchases is 370,595,851
- (4) Energy Probe Interrogatory #7 part (d)

As the above table illustrates, the cost of power is calculated to be \$22,874,199 rather than \$23,063,072 shown in the draft Rate Order. Energy Probe submits that Haldimand should provide the calculations and figures used to arrive at the Power Purchased figure of \$23,063,072.

#### <u>Response</u>

All charges in the Power Supply Expenses portion of the Working Capital Allowance calculation as detailed in Table 3 of Appendix D (page 51 of 66) have been calculated in the same manner as submitted in the original application and in the Settlement Proposal.

A revised Table 3 of Appendix D has been included below to show the net change between the Revised per Board Decision and the Revised per Settlement.

"Revised" Appendix D - Table 3 - Cost of I	Pow	er Details						
	2010		2010		2010		Net Change	
	Test Year		Test Year		Test Year		2.01	
Description	Original Per Application		-	Revised Per Settlement	Revised Per Board Decision		Settlement to Rate Order	
Cost of Power:		•						
4705 - Power Purchased	\$	22,363,781	\$	22,800,018	\$	23,063,072	\$	263,054
4708 - Wholesale Market Service Charges	\$	2,373,264	\$	2,373,264	\$	2,400,175	\$	26,911
4714 - Transmission Network Service Charges	\$	1,955,675	\$	1,888,244	\$	1,940,566	\$	52,322
4716 - Transmission Connection Service Charges	\$	1,775,798	\$	1,707,704	\$	1,748,653	\$	40,949
4750 - Low Voltage Charges	\$	209,412	\$	187,140	\$	189,793	\$	2,653
Total Power Supply Expenses	\$	28,677,930	\$	28,956,370	\$	29,342,259	\$	385,889

The Net Change column represents differences due to the increased load forecast as detailed in Appendix E of the Draft Rate Order and rate changes with respect to the calculation of the Retail Transmission Service Charge rates and the Low Voltage Charge rates as a result of the load forecast increase.

The following tables detail the calculations and net change for each of the accounts 4708, 4714, 4716, and 4750 in order to clarify the charges as provided in the Working Capital calculation of the Power Supply Expenses shown in Appendix D (page 51 of 66). The account 4705 Power Purchased will be explained following these tables.

#### Account 4708 - Wholesale Market Service Charges - Calculation

Wholesale Market Service	Actual kWh	Loss-Adjusted kWh			
Billed Revenue - Account 4708 January 1 to April 30, 2010 (Loss Factor	- 1.0565)				
Wholesale Market Service Revenue	116,419,584	122,997,295	\$	0.0052	\$ 639,586
Rural Rate Settlement Revenue	116,419,584	122,997,295	\$	0.0013	\$ 159,896
Subto	\$ 799,482				
Billed Revenue - Account 4708 May 1 to December 31, 2010 (Loss Factor	or - 1.0680)				
Wholesale Market Service Revenue	230,580,416	246,259,889	\$	0.0052	\$ 1,280,555
Rural Rate Settlement Revenue	230,580,416	246,259,889	\$	0.0013	\$ 320,138
Subtota	\$ 1,600,693				
	7	Total Revenue re	: Acc	ount 4708	\$ 2,400,175

#### Account 4708 – Wholesale Market Service Charges – Net Change

	2010 Test Ye		2010 Test Ye		Net Change		
	Revised		Revised	Settlement to			
Description	Settlem	-	Board Decision			ate Order	
	Loss-Adjusted kWh	Rate	Loss-Adjusted kWh	Rate			
4708 - Wholesale Market Service Charges	365,118,059	\$ 0.0065	369,257,184	\$ 0.0065	\$	26,911	

## Account 4714 - Transmission Network Service Charges - Calculation

Transmission Network Service		Actual	Loss-Adjusted			
Billed Revenue - Account 4714						
(Rates effective May 1/09 to April 30/10 - Los	s Factor - 1.05	565)				
Residential	kWh	59,027,221	62,362,259	\$	0.0047	\$ 293,103
General Service < 50 kW	kWh	19,982,919	21,111,954	\$	0.0042	\$ 88,670
General Service 50 to 4999 kW						
(Non-Interval Metered)	kW	29,885		\$	1.7362	\$ 51,886
General Service 50 to 4999 kW						
(Interval Metered)	kW	65,340		\$	1.8417	\$ 120,337
Sentinel Lights	kW	371		\$	1.3159	\$ 488
Street Lighting	kW	1,777		\$	1.3093	\$ 2,327
Unmetered Scattered Load	kWh	141,926	149,945	\$	0.0042	\$ 630
Embedded Distributor - Norfollk Power	kW	22,688		\$	2.6875	\$ 60,974
	Sul	btotal re: Accour	nt 4714 (January 1	to Ap	oril 30, 2010)	\$ 618,415
Billed Revenue - Account 4714					-	
("Proposed" Rates May 1/10 to April 30/11 - I	Loss Factor -	1.0680)				
Residential	kWh	112,909,191	120,587,012	\$	0.0052	\$ 627,052
General Service < 50 kW	kWh	41,819,000	44,662,694	\$	0.0047	\$ 209,915
General Service 50 to 4999 kW						
(Non-Interval Metered)	kW	56,003		\$	1.9253	\$ 107,823
General Service 50 to 4999 kW						
(Interval Metered)	kW	146,920		\$	2.0423	\$ 300,055
Sentinel Lights	kW	796		\$	1.4592	\$ 1,162
Street Lighting	kW	4,698		\$	1.4519	\$ 6,821
Unmetered Scattered Load	kWh	340,338	363,484	\$	0.0047	\$ 1,708
Embedded Distributor - Norfollk Power	kW	22,688		\$	2.9802	\$ 67,615
	Subt	total re: Account	4714 (May 1 to De	cemb	er 31, 2010)	\$ 1,322,151
			Total Revenue	re: A	ccount 4714	\$ 1,940,566

## Account 4714 - Transmission Network Service Charges - Net Change

Revised Per	ange
Period January 1 to April 30, 2010:   Residential   kWh   61,139,468   \$0.0047   62,362,259   \$0.0047   \$0.0042	
Residential	
General Service < 50 kW General Service 50 to 4999 kW (Non-Interval Metered) KW 29,600 S 1.7362 29,885 S 1.7362 S General Service 50 to 4999 kW (Interval Metered) KW 65,003 S 1.8417 S Sentinel Lights KW 371 S Street Lighting KW 1,777 S 1.3093 S Unmetered Scattered Load KWh 149,945 S Ceneral Service 50 kW Embedded Distributor - Norfollk Power KW 22,688 S 2.6875 S Period May 1 to December 31, 2010: Residential KWh 119,107,210 Ceneral Service 50 to 4999 kW (Non-Interval Metered) KW 55,625 S Ceneral Service 50 to 4999 kW (Interval Metered) KW 146,435 S 1.9943 S 146,920 S 20,0042 S 30,0042 S 30	
General Service 50 to 4999 kW (Non-Interval Metered) kW 29,600 \$ 1.7362 29,885 \$ 1.7362 \$ General Service 50 to 4999 kW (Interval Metered) kW 65,003 \$ 1.8417 65,340 \$ 1.8417 \$ Sentinel Lights kW 371 \$ 1.3159 371 \$ 1.3159 \$ Street Lighting kW 1,777 \$ 1.3093 1,777 \$ 1.3093 \$ Unmetered Scattered Load kWh 149,945 \$ 0.0042 149,945 \$ 0.0042 \$ Embedded Distributor - Norfollk Power kW 22,688 \$ 2.6875 22,688 \$ 2.6875 \$  Period May 1 to December 31, 2010:  Residential kWh 119,107,210 0.0051 120,587,012 \$ 0.0052 \$ General Service < 50 kW kWh 44,164,375 0.0045 44,662,694 \$ 0.0047 \$ General Service 50 to 4999 kW (Non-Interval Metered) kW 55,625 1.8801 56,003 \$ 1.9253 \$ General Service 50 to 4999 kW (Interval Metered) kW 146,435 1.9943 146,920 \$ 2.0423 \$	5,747
(Non-Interval Metered) kW 29,600 \$ 1.7362 29,885 \$ 1.7362 \$ General Service 50 to 4999 kW (Interval Metered) kW 65,003 \$ 1.8417 65,340 \$ 1.8417 \$ Sentinel Lights kW 371 \$ 1.3159 371 \$ 1.3159 \$ Street Lighting kW 1,777 \$ 1.3093 1,777 \$ 1.3093 \$ Unmetered Scattered Load kWh 149,945 \$ 0.0042 149,945 \$ 0.0042 \$ Embedded Distributor - Norfollk Power kW 22,688 \$ 2.6875 22,688 \$ 2.6875 \$  Period May 1 to December 31, 2010: Residential kWh 119,107,210 0.0051 120,587,012 \$ 0.0052 \$ General Service < 50 kW kWh 44,164,375 0.0045 44,662,694 \$ 0.0047 \$ General Service 50 to 4999 kW (Non-Interval Metered) kW 55,625 1.8801 56,003 \$ 1.9253 \$ General Service 50 to 4999 kW (Interval Metered) kW 146,435 1.9943 146,920 \$ 2.0423 \$	1,562
General Service 50 to 4999 kW (Interval Metered) kW 65,003 \$ 1.8417 65,340 \$ 1.8417 \$ Sentinel Lights kW 371 \$ 1.3159 371 \$ 1.3159 \$ Street Lighting kW 1,777 \$ 1.3093 \$ 1,777 \$ 1.3093 \$ Unmetered Scattered Load kWh 149,945 \$ 0.0042 149,945 \$ 0.0042 \$ Embedded Distributor - Norfollk Power kW 22,688 \$ 2.6875 22,688 \$ 2.6875 \$ \$ Period May 1 to December 31, 2010:  Residential kWh 119,107,210 0.0051 120,587,012 \$ 0.0052 \$ General Service < 50 kW kWh 44,164,375 0.0045 44,662,694 \$ 0.0047 \$ General Service 50 to 4999 kW (Non-Interval Metered) kW 55,625 1.8801 56,003 \$ 1.9253 \$ General Service 50 to 4999 kW (Interval Metered) kW 146,435 1.9943 146,920 \$ 2.0423 \$	
(Interval Metered)       kW       65,003       \$ 1.8417       65,340       \$ 1.8417       \$         Sentinel Lights       kW       371       \$ 1.3159       371       \$ 1.3159       \$         Street Lighting       kW       1,777       \$ 1.3093       1,777       \$ 1.3093       \$         Unmetered Scattered Load       kWh       149,945       \$ 0.0042       149,945       \$ 0.0042       \$         Embedded Distributor - Norfollk Power       kW       22,688       \$ 2.6875       22,688       \$ 2.6875       \$         Period May 1 to December 31, 2010:       KWh       119,107,210       0.0051       120,587,012       \$ 0.0052       \$         Residential       kWh       44,164,375       0.0045       44,662,694       \$ 0.0047       \$         General Service 50 to 4999 kW       kW       55,625       1.8801       56,003       \$ 1.9253       \$         General Service 50 to 4999 kW       kW       146,435       1.9943       146,920       \$ 2.0423       \$	495
Sentinel Lights         kW         371         \$ 1.3159         371         \$ 1.3159         \$           Street Lighting         kW         1,777         \$ 1.3093         1,777         \$ 1.3093         \$           Unmetered Scattered Load         kWh         149,945         \$ 0.0042         149,945         \$ 0.0042         \$           Embedded Distributor - Norfollk Power         kW         22,688         \$ 2.6875         22,688         \$ 2.6875         \$           Period May 1 to December 31, 2010:         kWh         119,107,210         0.0051         120,587,012         \$ 0.0052         \$           Residential         kWh         44,164,375         0.0045         44,662,694         \$ 0.0047         \$           General Service 50 to 4999 kW         kW         55,625         1.8801         56,003         \$ 1.9253         \$           General Service 50 to 4999 kW         kW         146,435         1.9943         146,920         \$ 2.0423         \$	
Street Lighting	621
Unmetered Scattered Load kWh 149,945 \$ 0.0042 149,945 \$ 0.0042 \$ Embedded Distributor - Norfollk Power kW 22,688 \$ 2.6875 22,688 \$ 2.6875 \$  Period May 1 to December 31, 2010:  Residential kWh 119,107,210 0.0051 120,587,012 \$ 0.0052 \$  General Service < 50 kW kWh 44,164,375 0.0045 44,662,694 \$ 0.0047 \$  General Service 50 to 4999 kW (Non-Interval Metered) kW 55,625 1.8801 56,003 \$ 1.9253 \$  General Service 50 to 4999 kW (Interval Metered) kW 146,435 1.9943 146,920 \$ 2.0423 \$	-
Embedded Distributor - Norfollk Power kW 22,688 \$ 2.6875 22,688 \$ 2.6875 \$  Period May 1 to December 31, 2010:  Residential kWh 119,107,210 0.0051 120,587,012 \$ 0.0052 \$  General Service < 50 kW kWh 44,164,375 0.0045 44,662,694 \$ 0.0047 \$  General Service 50 to 4999 kW (Non-Interval Metered) kW 55,625 1.8801 56,003 \$ 1.9253 \$  General Service 50 to 4999 kW (Interval Metered) kW 146,435 1.9943 146,920 \$ 2.0423 \$	-
Period May 1 to December 31, 2010:         kWh         119,107,210         0.0051         120,587,012         \$ 0.0052         \$           General Service < 50 kW	-
Residential         kWh         119,107,210         0.0051         120,587,012         \$ 0.0052         \$           General Service < 50 kW	-
General Service < 50 kW	
General Service 50 to 4999 kW (Non-Interval Metered) kW 55,625 1.8801 56,003 \$ 1.9253 \$ General Service 50 to 4999 kW (Interval Metered) kW 146,435 1.9943 146,920 \$ 2.0423 \$	19,611
(Non-Interval Metered)     kW     55,625     1.8801     56,003     \$ 1.9253     \$       General Service 50 to 4999 kW (Interval Metered)     kW     146,435     1.9943     146,920     \$ 2.0423     \$	11,177
General Service 50 to 4999 kW (Interval Metered) kW 146,435 1.9943 146,920 \$ 2.0423 \$	
(Interval Metered) kW 146,435 1.9943 146,920 \$ 2.0423 \$	3,242
Sentinel Lights	8,019
100 ¢ 11002 ¢	27
Street Lighting   kW   4,698   1.4178   4,698   \$ 1.4519   \$	160
Unmetered Scattered Load kWh 363,484 0.0045 363,484 \$ 0.0047 \$	73
Embedded Distributor - Norfollk Power         kW         22,688         2.9102         22,688         \$ 2.9802         \$	1,588
4714 - Transmission Network Service Charges \$	52,322

# Account 4716 - Transmission Connection Service Charges - Calculation

Transmission Connection Service		Actual	Loss-Adjusted				
Billed Revenue - Account 4714 (Rates effective May 1/09 to April 30/10 - Lo	ss Factor - 1.05	665)					
Residential	kWh	59,027,221	62.362.259	\$	0.0043	\$	268,158
General Service < 50 kW	kWh	19,982,919	21,111,954	\$	0.0039	\$	82,337
General Service 50 to 4999 kW		10,002,010	21,111,001	Ψ	0.0000	Ψ	02,00.
(Non-Interval Metered)	kW	29,885		\$	1.5597	\$	46,612
General Service 50 to 4999 kW		-,					-,-
(Interval Metered)	kW	65,340		\$	1.7238	\$	112,633
Sentinel Lights	kW	371		\$	1.2310	\$	457
Street Lighting	kW	1,777		\$	1.2059	\$	2,143
Unmetered Scattered Load	kWh	141,926	149,945	\$	0.0039	\$	585
Embedded Distributor - Norfollk Power	kW	22,688		\$	2.5293	\$	57,385
	Sul	ototal re: Accour	nt 4716 (January 1	to Ap	oril 30, 2010)	\$	570,310
Billed Revenue - Account 4714							
("Proposed" Rates May 1/10 to April 30/11 -		,	100 507 010	•	0.0040	•	== 1 00=
Residential	kWh	112,909,191	120,587,012		0.0046	\$	554,697
General Service < 50 kW	kWh	41,819,000	44,662,694	\$	0.0042	\$	187,583
General Service 50 to 4999 kW		=0.000		_	4 07 40	•	
(Non-Interval Metered)	kW	56,003		\$	1.6749	\$	93,799
General Service 50 to 4999 kW		4.40.000			4.0540	•	074 070
(Interval Metered)	kW	146,920		\$	1.8512	\$	271,976
Sentinel Lights	kW	796		\$	1.3220	\$	1,052
Street Lighting	kW	4,698		\$	1.2950	\$	6,084
Unmetered Scattered Load	kWh	340,338	363,484	\$	0.0042	\$	1,527
	kW	22,688		\$	2.7162	\$	61,625
Embedded Distributor - Norfollk Power							
Embedded Distributor - Norfollk Power		otal re: Account	4716 (May 1 to De	cemb	er 31, 2010)	\$	1,178,343

## Account 4716 - Transmission Connection Service Charges - Net Change

		2010		2010		N	et Change
		Test Ye		Test Ye			
Description		Revised		Revised			ttlement to
		Settlem Billing	ent	Board Dec	ision	-	Rate Order
4716 -Transmission Connection Service Charges		Consumption	Rate	Consumption	Rate		
Period January 1 to April 30, 2010:							
Residential	kWh	61,139,468	\$ 0.0043	62,362,259	\$ 0.0043	\$	5,258
General Service < 50 kW	kWh	20,740,074	\$ 0.0039	21,111,954	\$ 0.0039	\$	1,450
General Service 50 to 4999 kW							
(Non-Interval Metered)	kW	29,600	\$ 1.5597	29,885	\$ 1.5597	\$	445
General Service 50 to 4999 kW							
(Interval Metered)	kW	65,003	\$ 1.7238	,	\$ 1.7238	\$	581
Sentinel Lights	kW	371	\$ 1.2310	371	\$ 1.2310	\$	-
Street Lighting	kW	1,777	\$ 1.2059	1,777	\$ 1.2059	\$	-
Unmetered Scattered Load	kWh	149,945	\$ 0.0039	149,945	\$ 0.0039	\$	-
Embedded Distributor - Norfollk Power	kW	22,688	\$ 2.5293	22,688	\$ 2.5293	\$	-
Period May 1 to December 31, 2010:							
Residential	kWh	119,107,210	0.004	120,587,012	\$ 0.0046	\$	18,714
General Service < 50 kW	kWh	44,164,375	0.004	1 44,662,694	\$ 0.0042	\$	6,507
General Service 50 to 4999 kW							
(Non-Interval Metered)	kW	55,625	1.650	56,003	\$ 1.6749	\$	2,013
General Service 50 to 4999 kW							
(Interval Metered)	kW	146,435	1.823	146,920	\$ 1.8512	\$	4,925
Sentinel Lights	kW	796	1.302	796	\$ 1.3220	\$	16
Street Lighting	kW	4,698	1.275	4,698	\$ 1.2950	\$	90
Unmetered Scattered Load	kWh	363,484	0.004	363,484	\$ 0.0042	\$	36
Embedded Distributor - Norfollk Power	kW	22,688	2.675	22,688	\$ 2.7162	\$	914
4716 -Transmission Connection Service Charges						\$	40,949

## Account 4750 - Low Voltage Charges - Calculation

Low Voltage Charges		Actual		
Billed Revenue - Account 4750 (Rates effective May 1/09 to April 30/10)				
Residential	kWh	59,027,221	\$ 0.0009	\$ 53,124
General Service < 50 kW	kWh	19,982,919	\$ 0.0008	\$ 15,986
General Service 50 to 4999 kW				
(Non-Interval Metered)	kW	29,885	\$ 0.3269	\$ 9,769
General Service 50 to 4999 kW				
(Interval Metered)	kW	65,340	\$ 0.3269	\$ 21,361
Sentinel Lights	kW	371	\$ 0.2822	\$ 105
Street Lighting	kW	1,777	\$ 0.2430	\$ 432
Unmetered Scattered Load	kWh	141,926	\$ 0.0009	\$ 128
Subtotal r	\$ 100,905			
Billed Revenue - Account 4750 ("Proposed" Rates May 1/10 to April 30/11)				
Residential	kWh	112,909,191	\$ 0.0004	\$ 45,164
General Service < 50 kW	kWh	41,819,000	\$ 0.0003	\$ 12,546
General Service 50 to 4999 kW				
(Non-Interval Metered)	kW	56,003	\$ 0.1502	\$ 8,412
General Service 50 to 4999 kW				
(Interval Metered)	kW	146,920	\$ 0.1502	\$ 22,068
Sentinel Lights	kW	796	\$ 0.1103	\$ 88
Street Lighting	kW	4,698	\$ 0.1081	\$ 508
Unmetered Scattered Load	kWh	340,338	\$ 0.0003	\$ 102
Subtotal re	: Account 4	4750 (May 1 to De	cember 31, 2010)	\$ 88,888
		Total Revenue	re: Account 4750	\$ 189,793

## Account 4750 - Low Voltage Charges - Net Change

					Ne	t Change
					Settlement to Rate Order	
	Billing Consumption	Rate	Billing Consumption	Rate		
kWh	57,869,823	\$ 0.0009	59,027,221	\$ 0.0009	\$	1,037
kWh	19,630,927	\$ 0.0008	19,982,919	\$ 0.0008	\$	282
kW	29,600	\$ 0.3269	29,885	\$ 0.3269	\$	93
	,		,		•	110
kW	371	•	371	\$ 0.2822	\$	-
kW	1,777	\$ 0.2430	1,777	\$ 0.2430	\$	-
kWh	141,926	\$ 0.0009	141,926	\$ 0.0009	\$	-
kWh	111,523,605	0.0004	112,909,191	\$ 0.0004	\$	552
kWh	41,352,409	0.0003	41,819,000	\$ 0.0003	\$	140
kW	55,625	0.1487	56,003	\$ 0.1502	\$	140
kW	146,435	0.1487	146,920	\$ 0.1502	\$	292
kW	796	0.1092	796	\$ 0.1103	\$	1
kW	4,698	0.1069	4,698	\$ 0.1081	\$	6
kWh	340,338	0.0003	340,338	\$ 0.0003	\$	-
					\$	2,653
	kWh kW kW kW kWh kWh kWh kWh	Test Ye  Revised Settlem Billing Consumption  kWh 57,869,823 kWh 19,630,927 kW 29,600 kW 65,003 kW 371 kW 1,777 kWh 141,926  kWh 111,523,605 kWh 41,352,409 kW 55,625 kW 146,435 kW 796 kW 4,698	kWh         57,869,823         \$ 0.0009           kWh         19,630,927         \$ 0.0008           kW         29,600         \$ 0.3269           kW         65,003         \$ 0.3269           kW         371         \$ 0.2822           kW         1,777         \$ 0.2430           kWh         141,926         \$ 0.0009           kWh         41,352,409         0.0003           kW         55,625         0.1487           kW         146,435         0.1487           kW         796         0.1092           kW         4,698         0.1069	Test Year   Test Year   Revised Per   Settlement   Board Dec   Billing   Consumption   Rate   Consumption   Consumption   Rate   Cons	Test Year   Revised Per   Settlement   Revised Per   Board Decision	Test Year   Revised Per   Settlement   Board Decision   Rate   Rate

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The account 4705 Power Purchased portion of the Power Supply Expenses in the Working Capital Allowance calculation has also been calculated in the same manner as submitted in the original application and in the Settlement Proposal. The Power Purchased component in the Draft Rate Order uses the Board's October 15, 2009 Regulated Price Plan Price Report to calculate the RPP and non-RPP figures in the same manner as the Power Purchased was calculated in the Settlement Proposal.

HCHI has incorporated the average market price for electricity used by RPP consumers of \$38.14 / MWh from the Board's report to calculate the commodity amount of the power purchased for non-RPP consumers. This price represents the load-weighted average electricity price that RPP consumers would pay if all electricity supply was purchased out of the Ontario wholesale electricity spot market. For comparison, HCHI's weighted-average price ("WAP") at the 2009 year-end is \$38.67 / MWh and represents the calculated average price of electricity based on HCHI's net system load shape reflecting HCHI's non-interval customer load; the majority being RPP consumers. The WAP is used to bill non-RPP customers and used to settle the RPP volumes with the IESO on the monthly settlement filing in the section titled "Regulated Price Plan vs. Market Price – Variance for Conventional Meters".

Energy Probe's calculation above in comment #3 for account 4705 Power Purchased, incorporates HCHI's WAP as at September, 2009 of \$35.92 / MWh from response to Energy Probe interrogatory #7 d).

The Net Change column represents differences due to the increased load forecast as detailed in Appendix E of the Draft Rate Order and incorporates the adjustment in the allocation of RPP and non-RPP volumes as discussed in response to comment 2 from Energy Probe.

The following tables detail the calculations for account 4705 in order to support the Power Purchased figure of \$23,063,072 provided in the Working Capital calculation of the Power Supply Expenses as shown in Appendix D (page 51 of 66).

### Account 4705 - Power Purchased - Calculation

	Actual Loss-Adjusted				
Power Purchased	kWh	kWh			
Billed Revenue - January 1 to April 30, 2010 (Lo	ss Factor - 1.0565)				
Commodity:					
RPP Customers kWh	78,539,877	82,977,384	\$	0.06215	\$ 5,157,044
Non-RPP Customers kWh					
(Load Weighted Average Price - RPP Consumers)	37,879,707	40,019,911	\$	0.03814	\$ 1,526,359
	116,419,584	122,997,295			\$ 6,683,403
Global Adjustment:					
RPP Customers kWh	78,539,877	82,977,384	\$	-	\$ -
Non-RPP Customers kWh	37,879,707	40,019,911	\$	0.02494	\$ 998,097
	116,419,584	122,997,295			\$ 998,097
Billed Revenue - May 1 to December 31, 2010 (L	oss Factor - 1.0680	))			
Commodity:					
RPP Customers kWh	153,529,378	163,969,378	\$ 0.06215		\$ 10,190,692
Non-RPP Customers kWh					
(Load Weighted Average Price - RPP Consumers)	77,051,038	82,290,511	\$	0.03814	\$ 3,138,557
	230,580,416	246,259,889			\$ 13,329,249
Global Adjustment:					
RPP Customers kWh	153,529,378	163,969,378	\$	-	\$ -
Non-RPP Customers kWh	77,051,038	82,290,511	\$	0.02494	\$ 2,052,323
	230,580,416	246,259,889			\$ 2,052,323
		Total Cost of Power			\$ 23,063,072
					· · · ·

## Account 4705 - Power Purchased - Net Change

	2010 Test Year		2010 Test Ye	Net Change		
Description	Revised Per Settlement		Revised Per Board Decision		Settlement to Rate Order	
	Loss-Adjusted kWh	Rate	Loss-Adjusted kWh	Rate		
4705 - Power Purchased - RPP Volumes	249,065,558	\$0.06215	246,946,762	\$0.06215	\$	(131,688)
4705 - Power Purchased - non-RPP Volumes	116,052,501	\$0.06308	122,310,422	\$0.06308	\$	394,742
4705 - Power Purchased					\$	263,054