



Cooperative Hydro Embrun  
821 Rue Notre Dame  
Embrun, ON, K0A 1W1

January 20, 2011

Ontario Energy Board  
P.O. Box 2319  
27th Floor  
2300 Yonge Street  
Toronto, ON M4P 1E4

Attention: Kirsten Walli  
Board Secretary

**Re: Cooperative Hydro Embrun Inc. EB-2010-0077**  
2011 IRM3 Electricity Distribution Rate Application  
Responses to Board Staff Interrogatories

Dear Ms. Walli:

Cooperative Hydro Embrun Inc. filed an application with the Ontario Energy Board (the "Board") on November 12, 2010 seeking approval for changes to rates that Cooperative Hydro Embrun Inc. may charge for electricity distribution to be effective May 1, 2011.

Pursuant to the Notice of Application and Hearing for an Electricity Distribution Rate Change, issued December 1, 2010, Board Staff filed interrogatories on January 6, 2011. Cooperative Hydro Embrun Inc. was required to file responses by January 20, 2011.

Cooperative Hydro Embrun Inc. in reviewing the interrogatories have made changes to the application models and are subsequently filing amended models with this filing.

An electronic copy in PDF format will be submitted through the Board's Regulatory Electronic Submission System ("RESS"). In order to reduce our carbon footprint, hard copies of these documents will be provided upon request.

These responses to Board Staff interrogatories relating to the 2011 IRM3 Electricity Distribution Rate Application are respectfully submitted for the Board's consideration.

Should there be any questions, please do not hesitate to contact me at the number below.

Yours truly,

A handwritten signature in black ink, appearing to be 'B. Lamarche', written in a cursive style.

Benoit Lamarche  
General Manager  
Cooperative Hydro Embrun Inc.  
821 Rue Notre Dame  
Embrun, ON, K0A 1W1  
Tel: 613-443-5110

**Cooperative Hydro Embrun Inc.  
2011 Electricity Distribution Rates  
EB-2010-0077  
Response to Board Staff Interrogatories**

**1. Tax Model**

- a. Board staff notes that a Tax Model is not included in the application. Please file a Tax Model.

Response to Board Staff IR#1

CHEI has completed the 2011 IRM3 Shared Tax Savings Workform model as requested and is attached to this reply. CHEI notes that the calculated tax sharing value is \$382, which results in immaterial rate rider values for Residential and General Service Less Than 50kW customer classes. CHEI would propose this value be recorded in USoA Account 1595 for disposal at a future date.

## 2. Revenue Cost Ratio Adjustment

Ref: Rate Generator Model

Ref: Revenue Cost Ratio Model

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

### Revenue Cost Ratio Adjustment

#### Monthly Service Charge

Class	Metric	Base Rate	\$ Adjustment	Adj To Base
Residential	Customer -12 per year	13.490000	- 0.150000	0.150000
General Service Less Than 50 kW	Customer -12 per year	20.020000	0.000000	0.000000
General Service 50 to 4,999 kW	Customer -12 per year	241.540000	0.000000	0.000000
Unmetered Scattered Load	Customer -12 per year	39.400000	13.150000	13.150000
Street Lighting	Customer -12 per year	1.580000	0.280000	0.280000

#### Volumetric Distribution Charge

Class	Metric	Base Rate	\$ Adjustment	Adj To Base
Residential	kWh	0.012600	- 0.000100	0.000100
General Service Less Than 50 kW	kWh	0.016600	0.000000	0.000000
General Service 50 to 4,999 kW	kWh	4.475200	0.000000	0.000000
Unmetered Scattered Load	kWh	0.010300	0.003400	0.003400
Street Lighting	kWh	6.415300	0.000000	0.000000

A portion of Sheet C1.9 from the Revenue Cost Ratio Model is reproduced below.

### Adjustment required to Proposed Rates

Rate Class	Adjustment Required Base Service Charge G = A - D	Adjustment Required Base Distribution Volumetric Rate kWh H = B - E	Adjustment Required Base Distribution Volumetric Rate kW I = C - F
Residential	-\$ 0.15	-\$ 0.0001	\$ -
General Service Less Than 50 kW	\$ -	\$ -	\$ -
General Service 50 to 4,999 kW – Interva	\$ -	\$ -	\$ -
Unmetered Scattered Load	\$ 13.15	\$ 0.0034	\$ -
Street Lighting	\$ 0.28	\$ -	\$ 1.1374

Enter the above values onto Sheet  
"D1.X Revenue Cost Ratio Adj"  
of the 2011 OEB IRM3 Rate Generator.

- a. With respect to the Street Lighting rate class, please explain the discrepancy between the value in the "\$ Adjustment" column of the Volumetric Distribution Charge section in the former and the value in column I in the latter. If this is an error, Board staff will make the relevant corrections.

Response to Board Staff IR#2

CHEI confirms that the entry of the volumetric adjustment for street lighting \$1.1374 was not entered on sheet “D1.2 Revenue Cost Ratio Adj” of the 2011 IRM3 Rate Generator in error. While CHEI accepts Board Staff adjusting the Rate Generator amount on its behalf, CHEI has attached an amended model which includes this and other adjustment required.

### **3. Rate class “General Service 50 to 4,999”**

Ref: Tariff of Rates and Charges Effective May 1, 2010

- a. Board staff notes the extensive use of the rate class label “General Service 50 to 4,999 – Interval” in various sheets in various models. As an example, please refer to the second exhibit in the previous question and the exhibit in the next question. Board staff further notes that the Tariff of Rates and Charges Effective May 1, 2010 identifies this rate class without “Interval”. If this is an error, Board staff will make the relevant corrections.

Response to Board Staff IR#3

CHEI confirms that the entry of “General Service 50 to 4,999 – Interval” was in error.  
CHEI accepts Board Staff adjusting the label where applicable on its behalf.

#### 4. Revenue Cost Ratios

Ref: Revenue Cost Ratio Model

A portion of Sheet C1.1 from the Revenue Cost Ratio Model is reproduced below.

##### Decision - Cost Revenue Adjustments by Rate Class

Rate Class	Direction	Current Year 2010	Transition Year 1 2011	Transition Year 2 2012	Transition Year 3 2013	Transition Year 4 2014	Transition Year 5 2015
Residential	Rebalance	102.00%	tbd	tbd	tbd	tbd	tbd
General Service Less Than 50 kW	No Change	121.00%	121.00%	121.00%	121.00%	121.00%	121.00%
General Service 50 to 4,999 kW – Inte	No Change	91.00%	91.00%	91.00%	91.00%	91.00%	91.00%
Unmetered Scattered Load	Change	51.00%	66.00%	80.00%	80.00%	80.00%	80.00%
Street Lighting	Change	60.00%	70.00%	70.00%	70.00%	70.00%	70.00%

- a. With respect to the 2010 revenue-to-cost ratios, Board staff notices a discrepancy between the ratios provided in the “Current Year 2010” column in the above exhibit and the ratios provided in the Draft Rate Order (page F4) of the 2010 Cost of Service application (EB-2009-0132). Please reconcile the 2010 ratios and if relevant update the ratios for the downstream years. Provide the updated information; Board staff will make the relevant corrections.

##### Response to Board Staff IR#4

CHEI acknowledges that the value for Residential should be 103%, General Service Less Than 50 kW should be 91% and General Service 50 To 4,999 kW should be 121%. While CHEI accepts Board Staff adjusting the Rate Generator amount on its behalf, CHEI has attached an amended model which includes this and other adjustment required.

## 5. 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 A	Percentage Split C = A / B	Allocated Revenue Offsets E = D * C
Residential	29,331	70.90%	29,331
General Service Less Than 50 kW	6,508	15.73%	6,508
General Service 50 to 4,999 kW – Interval Metered	3,201	7.74%	3,201
Unmetered Scattered Load	1,403	3.39%	1,403
Street Lighting	928	2.24%	928
	41,371	100.00%	41,371
	<b>B</b>		<b>D</b>

Enter revenue offsets as found in Cell  
F47 on sheet "C1.2 Revenue Offsets  
Allocation" of the 2010 IRM3  
Supplemental Filing Module or from  
2010 COS RRWF

- 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.

Response to IR # 5

Please reference the following  
Sheet "O1 Revenue to cost|RR"

Cooperative Hydro Embrun\_DRF RO\_2010 CA Model\_20100406.XLS

<http://www.rds.oeb.gov.on.ca/webdrawer/webdrawer.dll/webdrawer/rec/185630/view>

Class Revenue, Cost Analysis, and Return on Rate Base						
Rate Base Assets	Total	1	2	3	7	9
		Residential	GS < 50	GS > 50- Regular	Street Light	Unmetered Scattered Load
cre-v	\$611,222	\$436,376	\$91,692	\$72,341	\$7,740	\$3,073
mil	\$41,372	\$29,331	\$6,508	\$3,901	\$928	\$1,403
Total Revenue	\$652,594	\$465,707	\$98,200	\$76,242	\$8,668	\$4,476



## 6. Loss Adjusted Metered kWh and RRR Billing Determinants

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 A	Metered kW B	Applicable Loss Factor C	Load Factor D = A / (B * 730)
Residential	kWh	19,949,042	0	1.0579	43.88%
General Service Less Than 50 kW	kWh	4,928,893	0	1.0579	
General Service 50 to 4,999 kW	kW	4,153,840	12,974	1.0579	
Unmetered Scattered Load	kWh	92,676	0	1.0579	
Street Lighting	kW	351,661	1,018	1.0579	47.35%
Total		29,476,112	13,992		

- a. Please confirm that the kWh volumes in column A are not loss adjusted, i.e. losses are not included in these volumes.
- b. Board Staff has been able to verify some but not all the billing determinant figures in columns A and B (Metered kWh and Metered kW) against the most recently reported RRR billing determinants. Please provide evidence supporting these amounts.

Response to IR # 6

- a) CHEI acknowledges that the values for RTSR are loss adjusted and have amended the model attached to this response.
- b) CHEI has adjusted the values to match the 2009 RRR filings as requested.

### 2009 Distributor Billing Determinants

Enter the most recently reported RRR billing determinants

Loss Adjusted Metered kWh Yes Update Sheet

Loss Adjusted Metered kW No

Rate Class	Vol Metric	Metered kWh A	Metered kW B	Applicable Loss Factor C	Load Factor D = A / (B * 730)	Loss Adjusted Billed kWh E = A * C
Residential	kWh	19,949,042	0	1.0579	46.96%	21,104,092
General Service Less Than 50 kW	kWh	4,298,893	0	1.0579		4,547,799
General Service 50 to 4,999 kW	kW	4,143,840	12,095	1.0579		4,383,768
Unmetered Scattered Load	kWh	92,676	0	1.0579		98,042
Street Lighting	kW	351,661	1,018	1.0579	47.35%	372,022
Total		28,836,112	13,113			30,505,723

## 7. Historical Wholesale Transmission

Ref: RTSR Model

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

### Hydro One

Month	Network			Line Connection			Line Transformation		
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount
January	6,862	\$ 2.24	\$ 15,371		\$ -		6,862	\$ 1.99	\$ 13,655
February	6,326	\$ 2.24	\$ 14,170		\$ -		6,326	\$ 1.99	\$ 12,589
March	5,691	\$ 2.24	\$ 12,748		\$ -		5,808	\$ 1.99	\$ 11,558
April	4,779	\$ 2.24	\$ 10,705		\$ -		4,779	\$ 1.99	\$ 9,510
May	3,963	\$ 2.24	\$ 8,877		\$ -		3,963	\$ 1.99	\$ 7,886
June	5,731	\$ 2.24	\$ 12,837		\$ -		5,731	\$ 1.99	\$ 11,405
July	4,839	\$ 2.24	\$ 10,839		\$ -		4,839	\$ 1.99	\$ 9,630
August	6,052	\$ 2.24	\$ 13,556		\$ -		6,052	\$ 1.99	\$ 12,043
September	4,428	\$ 2.24	\$ 9,919		\$ -		4,428	\$ 1.99	\$ 8,812
October	4,719	\$ 2.24	\$ 10,571		\$ -		4,719	\$ 1.99	\$ 9,391
November	5,464	\$ 2.24	\$ 12,239		\$ -		5,464	\$ 1.99	\$ 10,873
December	6,854	\$ 2.24	\$ 15,353		\$ -		6,854	\$ 1.99	\$ 13,639
<b>Total</b>	<b>65,708</b>	<b>\$ 2.24</b>	<b>\$ 147,186</b>	<b>-</b>	<b>\$ -</b>	<b>\$ -</b>	<b>65,825</b>	<b>\$ 1.99</b>	<b>\$ 130,992</b>

A portion of Sheet B1.3 from the RTSR model is reproduced below.

### Hydro One Sub-Transmission Rates

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

- With respect to the first exhibit, Board staff notes that the Rate column in the Line Connection section is not populated whereas in the Line Transformation section, data in the Rate column represents the combined Line and Transformation Connection Service Rates (please see second exhibit for comparison). Please confirm that Embrun is seeking adjustments to its RTSR Connection Charges.
- For the May to December period, Board staff further notes that data in the Rate columns in the first exhibit are not aligned with corresponding data in the second exhibit. If this is an error, Board staff will make the relevant corrections.

Response to IR # 7

CHEI has corrected the rates and values to match the 2009 invoices from Hydro One. An amended model is attached.

**Hydro One**

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	6,862	\$2.01	\$ 13,793	6,862	\$-		6,862	\$1.88	\$ 12,901	\$ 12,901
February	6,326	\$2.01	\$ 12,715	6,326	\$-		6,326	\$1.88	\$ 11,893	\$ 11,893
March	5,691	\$2.01	\$ 11,439	5,691	\$-		5,691	\$1.88	\$ 10,699	\$ 10,699
April	4,779	\$2.01	\$ 9,606	4,779	\$-		4,779	\$1.88	\$ 8,985	\$ 8,985
May	3,963	\$2.24	\$ 8,877	3,963	\$-		3,963	\$1.99	\$ 7,886	\$ 7,886
June	5,731	\$2.24	\$ 12,837	5,731	\$-		5,731	\$1.99	\$ 11,405	\$ 11,405
July	4,839	\$2.24	\$ 10,839	4,839	\$-		4,839	\$1.99	\$ 9,630	\$ 9,630
August	6,052	\$2.24	\$ 13,556	6,052	\$-		6,052	\$1.99	\$ 12,043	\$ 12,043
September	4,428	\$2.24	\$ 9,919	4,428	\$-		4,428	\$1.99	\$ 8,812	\$ 8,812
October	4,719	\$2.24	\$ 10,571	4,719	\$-		4,719	\$1.99	\$ 9,391	\$ 9,391
November	5,464	\$2.24	\$ 12,239	5,464	\$-		5,464	\$1.99	\$ 10,873	\$ 10,873
December	6,854	\$2.24	\$ 15,353	6,854	\$-		6,854	\$1.99	\$ 13,639	\$ 13,639
<b>Total</b>	<b>65,708</b>	<b>\$2.16</b>	<b>\$ 141,745</b>	<b>65,708</b>	<b>\$-</b>	<b>\$ -</b>	<b>65,708</b>	<b>\$1.95</b>	<b>\$ 128,157</b>	<b>\$ 128,157</b>

## 8. Recovery of RTSR Network Charge

Ref: RTSR Model

Ref: Deferral/Variance Account Model.

A portion of Sheet D1.1 from the RTSR Model is reproduced below.

Rate Class	Vol Met	Billed Amount (D) = (A) * (B) or (A) * (C)	Billed Amount % (F) = (D) / (E)	Current Wholesale Billing (H) = (G) * (F)
Residential	kWh	\$ 101,740	67.32%	\$ 119,295
General Service Less Than 50 kW	kWh	\$ 23,166	15.33%	\$ 27,163
General Service 50 to 4,999 kW	kW	\$ 24,353	16.11%	\$ 28,556
Unmetered Scattered Load	kWh	\$ 436	0.29%	\$ 511
Street Lighting	kW	\$ 1,441	0.95%	\$ 1,690
		<b>\$ 151,136</b> (E)	<b>100.00%</b>	<b>\$ 177,214</b> (G) Cell G73 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	22,267
RSVA - Wholesale Market Service Charge	1580	(15,817)
RSVA - Retail Transmission Network Charge	1584	(42,411)
RSVA - Retail Transmission Connection Charge	1586	(68,896)
RSVA - Power (Excluding Global Adjustment)	1588	114,622
RSVA - Power (Global Adjustment Sub-account)		34,777
Recovery of Regulatory Asset Balances	1590	(25,554)
Residual Balance Disposition and recovery of Def/Var Balances Account (2008)	1595	0
	Total	18,989

- 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 1584 shows an over-recovery as of December 31, 2009. Please explain this apparent discrepancy.

Response to IR # 8

CHEI last amended its RTSR rates in its 2010 Cost of Service application. While the Board required CHEI to amend its rate adjustment to January 1, 2010 rates there was an error in the calculation resulting in an understatement of rate adjustment (see page 45 of CHEI Draft Rate Order). This resulted in the anomalous results observed by Board Staff. CHEI confirms this oversight and agrees the amended RTSR adjustment model attached is reasonable.

## 9. Rate Class and Billing Determinants

Ref: Deferral/Variance Account Model.

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

### Rate Class and Billing Determinants

2010 COS Forecast						Billed kWh for Non-RPP customers
Rate Group	Rate Class	Fixed Metric	Vol Metric	Metered kWh	Metered kW	
RES	Residential	Customer	kWh	19,657,452		1,757,279
GSLT50	General Service Less Than 50 kW	Customer	kWh	4,976,291		97,073
GSGT50	General Service 50 to 4,999 kW	Customer	kW	4,387,835		11,784
USL	Unmetered Scattered Load	Connection	kWh	93,536		132
SL	Street Lighting	Connection	kW	388,274		1,003

- Board Staff has been unable to verify the figures in the “Billed kWh for Non-RPP customers” column for the various rate classes. Please provide evidence supporting these amounts.
- Board staff notes that figures for “Metered kW” for rates classes “General Service 50 to 4,999 kW” and Street Lighting are missing. Provide the figures, Board staff will make the relevant corrections.

Response to IR # 9

- CHEI has reviewed and corrected the non-RPP kWh amounts as requested on the attached amended model.
- CHEI has entered the kW amounts as requested on the attached amended model.

**2010 COS Forecast**

Rate Group	Rate Class	Fixed Metric	Vol Metric	Metered kWh	Metered kW	Billed kWh for Non-RPP customers
RES	Residential	Customer	kWh	19,657,452		2,972,720
GSLT50	General Service Less Than 50 kW	Customer	kWh	4,976,291		169,575
GSGT50	General Service 50 to 4,999 kW	Customer	kW	4,387,835	12,779	1,309,830
USL	Unmetered Scattered Load	Connection	kWh	93,536		0
SL	Street Lighting	Connection	kW	388,274	1,066	0

Please note that in addition to the changes to the above CHEI noted that it had included the 2008 balances disposed by the Board in the CHEI 2010 cost of service application. CHEI notes that in removing the 2008 values does not impact the fact that CHEI is still well below threshold and continues its request not to dispose of deferral/variance balances in 2011.



Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: EB-2010-0077  
Effective Date: May 1, 2011  
Version : 2.0

## LDC Information

<b>Applicant Name</b>	Cooperative Hydro Embrun Inc.
<b>Application Type</b>	IRM3
<b>OEB Application Number</b>	EB-2010-0077
<b>Tariff Effective Date</b>	May 1, 2011
<b>LDC Licence Number</b>	ED-2002-0493
<b>Notice Publication Language</b>	English/French
<b>DRC Rate</b>	0.00700
<b>Customer Bills</b>	12 per year
<b>Distribution Demand Bill Determinant</b>	kW
<b>Stretch Factor Group</b>	II
<b>Stretch Factor Value</b>	0.4%
<b>Last COS Re-based Year</b>	2010
<b>Last COS OEB Application Number</b>	EB-2009-0132
<b>Special Purpose Charge - Current</b>	Yes
<b>Special Purpose Charge - Applied</b>	Yes
<b>Application Contact Information</b>	
<b>Name:</b>	BENOIT LAMARCHE
<b>Title:</b>	MANAGER
<b>Phone Number:</b>	613.443.5110
<b>E-Mail Address:</b>	embrunhydro@magma.ca

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**File Number:** EB-2010-0077  
**Effective Date:** May 1, 2011  
**Version :** 2.0

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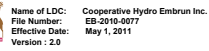
Sheet Name	Purpose of Sheet
<a href="#">A1.1 LDC Information</a>	Enter LDC Data
<a href="#">A2.1 Table of Contents</a>	Table of Contents
<a href="#">A3.1 Sheet Selection</a>	Show or Hide Sheet Selection
<a href="#">B1.1 Curr&amp;Appl Rt Class General</a>	Set up Tariff Sheet Rate Classes
<a href="#">C1.1 Smart Meter Funding Adder</a>	Enter Current Tariff Sheet Smart Meter Funding Adder
<a href="#">C2.3 Def Var Disp 2010</a>	Deferral Variance Account Disposition (2010)
<a href="#">C3.1 Curr Low Voltage Vol Rt</a>	Current Low Voltage Volumetric Rate
<a href="#">C3.3 Global Adjustment Del</a>	Rate Rider for Global Adjustment Sub-Account Disposition - Delivery Component
<a href="#">C4.1 Curr Rates &amp; Chgs General</a>	Enter Current Tariff Sheet Rates
<a href="#">C7.1 Base Dist Rates Gen</a>	Calculation of Base Distribution Rates
<a href="#">D1.2 Revenue Cost Ratio Adj</a>	Revenue Cost Ratio Adjustment
<a href="#">E1.1 Rate Reb Base Dist Rts Gen</a>	Rate Rebalanced Base Distribution Rates
<a href="#">F1.1 GDP-IPi PCI Adjustment WS</a>	GDP-IPi Price Cap Adjustment Work Sheet
<a href="#">F1.2 GDP-IPi PCI Adjust to Rate</a>	GDP-IPi Price Cap Adjustment To Rates
<a href="#">G1.1 Aft PrcCp Base Dst Rts Gen</a>	Base Distribution Rates after Price Cap Adjustment
<a href="#">J1.1 Smart Meter Funding Adder</a>	Enter Proposed Tariff Sheet Smart Meter Rate Adder
<a href="#">J3.1 Appl For Low Voltage Vol Rt</a>	Applied for Low Voltage Volumetric Rate
<a href="#">L1.1 Appl For TX Network</a>	Applied For RTSR - Network
<a href="#">L2.1 Appl For TX Connect</a>	Applied For RTSR - Connection
<a href="#">M4.1 microFIT Generator</a>	Applied for microFIT Generator
<a href="#">N1.1 Appl For Mthly R&amp;C General</a>	Monthly Rates and Charges
<a href="#">N3.1 Curr&amp;Appl For Loss Factor</a>	Enter Loss Factors From Current Tariff Sheet
<a href="#">O1.1 Sum of Chgs To MSC&amp;DX Gen</a>	Shows Summary of Changes To General Service Charge and Distribution Volumetric Charge
<a href="#">O1.2 Sum of Tariff Rate Adders</a>	Shows Summary of Changes To Tariff Rate Adders
<a href="#">O1.3 Sum of Tariff Rate Rider</a>	Shows Summary of Changes To Tariff Rate Riders
<a href="#">O2.1 Calculation of Bill Impact</a>	Bill Impact Calculations
<a href="#">P1.1 Curr&amp;Appl For Allowances</a>	Enter Allowances from Current Tariff Sheets
<a href="#">P2.1 Curr&amp;Appl For Spc Srv Chg</a>	Enter Specific Service Charges from Current Tariff Sheets
<a href="#">P3.1 Curr&amp;Appl For Rtl Srv Chg</a>	Enter Retail Service Charges from Current Tariff Sheets



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Effective Date:** May 1, 2011  
**Version :** 2.0

## Show or Hide Sheet Selection

Sheet	Show / Hide	Purpose of Sheet
C2.1 Def Var Disp 2008	Hide	To be used by distributor that had a Rate Rider for Deferral Variance Account Disposition (2008)
C2.2 Def Var Disp 2009	Hide	To be used by distributor that had a Rate Rider for Deferral Variance Account Disposition (2009)
C2.3 Def Var Disp 2010	Show	To be used by distributor that had a Rate Rider for Deferral Variance Account Disposition (2010)
C2.4 LRAMSSM Recovery RateRider	Hide	To be used by distributor that had a Rate Rider for LRAM/SSM
C2.5 ForegoneRevenue Rate Rider	Hide	To be used by distributor that had a Rate Rider for Foregone Revenue
C2.6 Tax Change Rate Rider	Hide	To be used by distributor that had a Rate Rider for Shared Tax Savings
C3.1 Curr Low Voltage Vol Rt	Show	To be used by distributor that had a Rate Rider for Low Voltage Volumetric Rate
C3.2 Global Adjustment Elect	Hide	To be used by distributor that had a Rate Rider for GA Sub-Acct - Electricity
C3.3 Global Adjustment Del	Show	To be used by distributor that had a Rate Rider for GA Sub-Acct - Delivery
D1.2 Revenue Cost Ratio Adj	Show	To be used by distributor that has a Revenue Cost Ratio Adjustment
J1.2 Smrt Grid Renew Gen Rt Add	Hide	To be used by distributor that is applying for a Rate Rider for Smart Grid / Renewable Generation Rate Adder
J2.1 Def Var Disp 2008	Hide	To be used by distributor that is applying for a Rate Rider for Deferral Variance Account Disposition (2008)
J2.2 Def Var Disp 2009	Hide	To be used by distributor that is applying for a Rate Rider for Deferral Variance Account Disposition (2009)
J2.3 Def Var Disp 2010	Hide	To be used by distributor that is applying for a Rate Rider for Deferral Variance Account Disposition (2010)
J2.4 Def Var Disp 2011	Hide	To be used by distributor that is applying for a Rate Rider for Deferral Variance Account Disposition (2011)
J2.5 LRAMSSM Recovery RateRider	Hide	To be used by distributor that is applying for a Rate Rider for LRAM/SSM
J2.6 ForegoneRevenue Rate Rider	Hide	To be used by distributor that is continuing a Rate Rider for Foregone Revenue
J2.7 Tax Change Rate Rider	Hide	To be used by distributor that is applying for a Rate Rider for Shared Tax Savings
J2.8 Incr Capital Rate Rider	Hide	To be used by distributor that is applying for a Rate Rider for Incremental Capital
J3.1 App For Low Voltage Vol Rt	Show	To be used by distributor that is applying for a Rate Rider for Low Voltage Volumetric Rate
J3.2 Global Adjust Elec 2010	Hide	To be used by distributor that is applying for a Rate Rider for GA Sub-Acct - Electricity 2010
J3.21 Global Adjust Elec 2011	Hide	To be used by distributor that is applying for a Rate Rider for GA Sub-Acct - Electricity 2011
J3.3 Global Adjust Del 2010	Hide	To be used by distributor that is applying for a Rate Rider for GA Sub-Acct - Delivery 2010
J3.31 Global Adjust Del 2011	Hide	To be used by distributor that is applying for a Rate Rider for GA Sub-Acct - Delivery 2011



Rate Group	Rate Class	Fixed Month	Vol Metric
CEL TPO	General Service Lines - Less Than 50 KW	Contract - 12 year	KWH
CEL TPO	General Service Lines - 50 to 400 KW	Contract - 12 year	KWH
CEL TPO	General Service Lines - 400 to 1000 KW	Contract - 12 year	KWH
CEL	Street Lighting	Contract - 12 year	KWH
CEL	Street Lighting	Contract - 12 year	KWH
NA	Rate Class 6	NA	NA
NA	Rate Class 7	NA	NA
NA	Rate Class 8	NA	NA
NA	Rate Class 9	NA	NA
NA	Rate Class 10	NA	NA
NA	Rate Class 11	NA	NA
NA	Rate Class 12	NA	NA
NA	Rate Class 13	NA	NA
NA	Rate Class 14	NA	NA
NA	Rate Class 15	NA	NA
NA	Rate Class 16	NA	NA
NA	Rate Class 17	NA	NA
NA	Rate Class 18	NA	NA
NA	Rate Class 19	NA	NA
NA	Rate Class 20	NA	NA
NA	Rate Class 21	NA	NA
NA	Rate Class 22	NA	NA
NA	Rate Class 23	NA	NA
NA	Rate Class 24	NA	NA
NA	Rate Class 25	NA	NA

SS  
Stand-By  
Standby P1  
Standby P1  
Standby P1  
Standby - C  
Standby P1  
Standby - C  
Standby P1  
Standby - L  
Standby P1  
Standby Di



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## Current Smart Meter Funding Adder

Rate Adder	Smart Meters				
Tariff Sheet Disclosure	Yes				
Metric Applied To	Metered Customers				
Method of Application	Uniform Service Charge				
Uniform Service Charge Amount	1.33				
Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	1.330000	Customer -12 per year	0.000000	kWh
General Service Less Than 50 kW	Yes	1.330000	Customer -12 per year	0.000000	kWh
General Service 50 to 4,999 kW	Yes	1.330000	Customer -12 per year	0.000000	kW



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**Deferral Variance Account Disposition (2010)**

Rate Rider	Def Var Disp 2010
Sunset Date	April 30, 2011 DDMMYYYY
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.000000	Customer -12 per year	0.000400	kWh
General Service Less Than 50 kW	Yes	0.000000	Customer -12 per year	0.000800	kWh
General Service 50 to 4,999 kW	Yes	0.000000	Customer -12 per year	0.590100	kW
Unmetered Scattered Load	Yes	0.000000	Customer -12 per year	0.001500	kWh
Street Lighting	Yes	0.000000	Customer -12 per year	0.768000	kW



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## Current Low Voltage Volumetric Rate

Rate Description	Low Voltage Volumetric Rate
Select Tariff Sheet Disclosure	Yes - Shown on Tariff Sheet
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class		Current Low Voltage
Residential	kWh	0.001400
General Service Less Than 50 kW	kWh	0.001300
General Service 50 to 4,999 kW	kW	0.477800
Unmetered Scattered Load	kWh	0.001300
Street Lighting	kW	0.369400



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## Current Rate Rider for Global Adjustment Sub-Account Disposition - Delivery Component

Rate Rider GA Sub-Acct - Delivery  
Sunset Date April 30, 2011  
Metric Applied To All Customers  
Method of Application Distinct Volumetric

Rate Class	Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential	Yes	0.000000	Customer -12 per year	0.003500	kWh
General Service Less Than 50 kW	Yes	0.000000	Customer -12 per year	0.003500	kWh
General Service 50 to 4,999 kW	Yes	0.000000	Customer -12 per year	0.003500	kW
Unmetered Scattered Load	Yes	0.000000	Customer -12 per year	0.003500	kWh
Street Lighting	Yes	0.000000	Customer -12 per year	0.003500	kW



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## Current Rates and Charges

### Rate Class

#### Residential

Rate Description	Metric	Rate
Service Charge	\$	13.49
Service Charge Smart Meters	\$	1.33
Distribution Volumetric Rate	\$/kWh	0.0128
Low Voltage Volumetric Rate	\$/kWh	0.0014
Distribution Volumetric Def Var Disp 2010 – effective until April-30-11	\$/kWh	0.0040
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0051
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0046
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### General Service Less Than 50 kW

Rate Description	Metric	Rate
Service Charge	\$	20.02
Service Charge Smart Meters	\$	1.33
Distribution Volumetric Rate	\$/kWh	0.0166
Low Voltage Volumetric Rate	\$/kWh	0.0013
Distribution Volumetric Def Var Disp 2010 – effective until April-30-11	\$/kWh	0.0080
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0047
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0041
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### General Service 50 to 4,999 kW

Rate Description	Metric	Rate
Service Charge	\$	241.54
Service Charge Smart Meters	\$	1.33
Distribution Volumetric Rate	\$/kW	4.4752
Low Voltage Volumetric Rate	\$/kW	0.4778
Distribution Volumetric Def Var Disp 2010 – effective until April-30-11	\$/kW	0.59010
Retail Transmission Rate – Network Service Rate	\$/kW	1.8771
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	0.0000
Wholesale Market Service Rate	\$/kW	0.0000
Rural Rate Protection Charge	\$/kW	1.6294
Standard Supply Service – Administrative Charge (if applicable)	\$/kW	0.0000
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### Unmetered Scattered Load

Rate Description	Metric	Rate
Service Charge (per Customer)	\$	39.40
Distribution Volumetric Rate	\$/kWh	0.0103
Low Voltage Volumetric Rate	\$/kWh	0.0013
Distribution Volumetric Def Var Disp 2010 – effective until April-30-11	\$/kWh	0.00150
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0047
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0041
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### Street Lighting

Rate Description	Metric	Rate
Service Charge	\$	1.58
Distribution Volumetric Rate	\$/kW	6.4153
Low Voltage Volumetric Rate	\$/kW	0.3694
Distribution Volumetric Def Var Disp 2010 – effective until April-30-11	\$/kW	0.76800
Retail Transmission Rate – Network Service Rate	\$/kW	1.4158
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.2697
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25





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## Base Distribution Rates

### Service Charge

Class	Metric	Current Rates	Current Base Rates
Residential	Customer -12 per year	13.490000	13.490000
General Service Less Than 50 kW	Customer -12 per year	20.020000	20.020000
General Service 50 to 4,999 kW	Customer -12 per year	241.540000	241.540000
Unmetered Scattered Load	Customer -12 per year	39.400000	39.400000
Street Lighting	Customer -12 per year	1.580000	1.580000

### Distribution Volumetric Rate

Class	Metric	Current Rates	Current Base Rates
Residential	kWh	0.012600	0.012600
General Service Less Than 50 kW	kWh	0.016600	0.016600
General Service 50 to 4,999 kW	kW	4.475200	4.475200
Unmetered Scattered Load	kWh	0.010300	0.010300
Street Lighting	kW	6.415300	6.415300



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## Revenue Cost Ratio Adjustment

Rate Rebalancing Adjustment

Revenue Cost Ratio

Metric Applied To

All Customers

Method of Application

Both Distinct\$

### Monthly Service Charge

Class	Metric	Base Rate	\$ Adjustment	Adj To Base
Residential	Customer -12 per year	13.490000	- 0.611128	0.611128
General Service Less Than 50 kW	Customer -12 per year	20.020000	0.000000	0.000000
General Service 50 to 4,999 kW	Customer -12 per year	241.540000	0.000000	0.000000
Unmetered Scattered Load	Customer -12 per year	39.400000	13.148619	13.148619
Street Lighting	Customer -12 per year	1.580000	0.280122	0.280122

### Volumetric Distribution Charge

Class	Metric	Base Rate	\$ Adjustment	Adj To Base
Residential	kWh	0.012600	- 0.000571	0.000571
General Service Less Than 50 kW	kWh	0.016600	0.000000	0.000000
General Service 50 to 4,999 kW	kW	4.475200	0.000000	0.000000
Unmetered Scattered Load	kWh	0.010300	0.003437	0.003437
Street Lighting	kW	6.415300	1.137386	1.137386



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## Rate Rebalanced Base Distribution Rates

### Monthly Service Charge

Class	Metric	Base Rate	Revenue Cost Ratio	Rate ReBal Base
Residential	Customer -12 per year	13.490000	-0.611128	12.878872
General Service Less Than 50 kW	Customer -12 per year	20.020000	0.000000	20.020000
General Service 50 to 4,999 kW	Customer -12 per year	241.540000	0.000000	241.540000
Unmetered Scattered Load	Customer -12 per year	39.400000	13.148619	52.548619
Street Lighting	Customer -12 per year	1.580000	0.280122	1.860122

### Volumetric Distribution Charge

Class	Metric	Base Rate	Revenue Cost Ratio	Rate ReBal Base
Residential	kWh	0.012600	-0.000571	0.012029
General Service Less Than 50 kW	kWh	0.016600	0.000000	0.016600
General Service 50 to 4,999 kW	kW	4.475200	0.000000	4.475200
Unmetered Scattered Load	kWh	0.010300	0.003437	0.013737
Street Lighting	kW	6.415300	1.137386	7.552686



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## GDP-IPI Price Cap Adjustment Worksheet

### Price Cap Index

Price Escalator (GDP-IPI)	1.30%
Less Productivity Factor	-0.72%
Less Stretch Factor	-0.40%

**Price Cap Index** **0.18%**



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## GDP-IPI Price Cap Adjustment to Rates

Price Cap Adjustment	Price Cap Adjustment	
Metric Applied To	All Customers	
Method of Application	Both Uniform%	
Uniform Service Charge Percent	0.180%	Uniform Volumetric Charge Percent 0.180% kWh 0.180% kW

### Monthly Service Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	Customer -12 per year	12.878872	Yes	0.180%	0.023182
General Service Less Than 50 kW	Customer -12 per year	20.020000	Yes	0.180%	0.036036
General Service 50 to 4,999 kW	Customer -12 per year	241.540000	Yes	0.180%	0.434772
Unmetered Scattered Load	Customer -12 per year	52.548619	Yes	0.180%	0.094588
Street Lighting	Customer -12 per year	1.860122	Yes	0.180%	0.003348

### Volumetric Distribution Charge

Class	Metric	Base Rate	To This Class	% Adjustment	Adj To Base
Residential	kWh	0.012029	Yes	0.180%	0.000022
General Service Less Than 50 kW	kWh	0.016600	Yes	0.180%	0.000030
General Service 50 to 4,999 kW	kW	4.475200	Yes	0.180%	0.008055
Unmetered Scattered Load	kWh	0.013737	Yes	0.180%	0.000025
Street Lighting	kW	7.552686	Yes	0.180%	0.013595



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## After Price Cap Base Distribution Rates General

### Monthly Service Charge

Class	Metric	Base Rate	Price Cap Adjustment	After Price Cape Base
Residential	Customer -12 per year	12.878872	0.023182	12.902054
General Service Less Than 50 kW	Customer -12 per year	20.020000	0.036036	20.056036
General Service 50 to 4,999 kW	Customer -12 per year	241.540000	0.434772	241.974772
Unmetered Scattered Load	Customer -12 per year	52.548619	0.094588	52.643207
Street Lighting	Customer -12 per year	1.860122	0.003348	1.863470

### Volumetric Distribution Charge

Class	Metric	Base Rate	Price Cap Adjustment	After Price Cape Base
Residential	kWh	0.012029	0.000022	0.012051
General Service Less Than 50 kW	kWh	0.016600	0.000030	0.016630
General Service 50 to 4,999 kW	kW	4.475200	0.008055	4.483255
Unmetered Scattered Load	kWh	0.013737	0.000025	0.013762
Street Lighting	kW	7.552686	0.013595	7.566281



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## Applied For Smart Meter Funding Adder

Rate Adder	Smart Meters					
Tariff Sheet Disclosure	Yes					
Metric Applied To	Metered Customers					
Method of Application	Uniform Service Charge					
Uniform Service Charge Amount	1.33					
Rate Class		Applied to Class	Fixed Amount	Fixed Metric	Vol Amount	Vol Metric
Residential		Yes	1.330000	Customer -12 per year	0.000000	kWh
General Service Less Than 50 kW		Yes	1.330000	Customer -12 per year	0.000000	kWh
General Service 50 to 4,999 kW		Yes	1.330000	Customer -12 per year	0.000000	kW



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## Applied For Low Voltage Volumetric Rate

Rate Description	Low Voltage Volumetric Rate
Select Tariff Sheet Disclosure	Shown on Tariff Sheet
Metric Applied To	All Customers
Method of Application	Distinct Volumetric

Rate Class		Applied for Low Voltage
Residential	kWh	0.001400
General Service Less Than 50 kW	kWh	0.001300
General Service 50 to 4,999 kW	kW	0.477800
Unmetered Scattered Load	kWh	0.001300
Street Lighting	kW	0.369400





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## Applied For RTSR - Network

Method of Application

Distinct Dollar

Rate Class	Applied to Class
<b>Residential</b>	<b>Yes</b>

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kWh	0.005100	0.000%	0.000784	0.005884

Rate Class	Applied to Class
<b>General Service Less Than 50 kW</b>	<b>Yes</b>

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kWh	0.004700	0.000%	0.000722	0.005422

Rate Class	Applied to Class
<b>General Service 50 to 4,999 kW</b>	<b>Yes</b>

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kW	1.877100	0.000%	0.288429	2.165529

Rate Class	Applied to Class
<b>Unmetered Scattered Load</b>	<b>Yes</b>

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kWh	0.004700	0.000%	0.000722	0.005422

Rate Class	Applied to Class
<b>Street Lighting</b>	<b>Yes</b>

Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount
Retail Transmission Rate – Network Service Rate	\$/kW	1.415800	0.000%	0.217547	1.633347



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## Applied For RTSR - Connection

Method of Application

Distinct Dollar

Rate Class	Applied to Class					
<b>Residential</b>	<b>Yes</b>					
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.004600	0.000%	0.000071	0.004671	

Rate Class	Applied to Class					
<b>General Service Less Than 50 kW</b>	<b>Yes</b>					
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.004100	0.000%	0.000063	0.004163	

Rate Class	Applied to Class					
<b>General Service 50 to 4,999 kW</b>	<b>Yes</b>					
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.629400	0.000%	1.654392	3.283792	

Rate Class	Applied to Class					
<b>Unmetered Scattered Load</b>	<b>Yes</b>					
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.004100	0.000%	0.000063	0.004163	

Rate Class	Applied to Class					
<b>Street Lighting</b>	<b>Yes</b>					
Rate Description	Vol Metric	Current Amount	% Adjustment	\$ Adjustment	Final Amount	
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.259700	0.000%	0.019322	1.279022	



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## microFIT Generator

### Rate Class

#### microFIT Generator

**Rate Description**  
Service Charge

Fixed Metric	Rate
\$	5.25



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## Applied For Monthly Rates and Charges

### Rate Class

#### Residential

Rate Description	Metric	Rate
Service Charge	\$	12.90
Service Charge Smart Meters	\$	1.33
Distribution Volumetric Rate	\$/kWh	0.0121
Low Voltage Volumetric Rate	\$/kWh	0.0014
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0059
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0047
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### General Service Less Than 50 kW

Rate Description	Metric	Rate
Service Charge	\$	20.06
Service Charge Smart Meters	\$	1.33
Distribution Volumetric Rate	\$/kWh	0.0166
Low Voltage Volumetric Rate	\$/kWh	0.0013
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0054
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### General Service 50 to 4,999 kW

Rate Description	Metric	Rate
Service Charge	\$	241.97
Service Charge Smart Meters	\$	1.33
Distribution Volumetric Rate	\$/kW	4.4833
Low Voltage Volumetric Rate	\$/kW	0.4778
Retail Transmission Rate – Network Service Rate	\$/kW	2.1655
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	3.2838
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### Unmetered Scattered Load

Rate Description	Metric	Rate
Service Charge (per Customer)	\$	52.64
Distribution Volumetric Rate	\$/kWh	0.0138
Low Voltage Volumetric Rate	\$/kWh	0.0013
Retail Transmission Rate – Network Service Rate	\$/kWh	0.0054
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kWh	0.0042
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25

### Rate Class

#### Street Lighting

Rate Description	Metric	Rate
Service Charge	\$	1.86
Distribution Volumetric Rate	\$/kW	7.5663
Low Voltage Volumetric Rate	\$/kW	0.3694
Retail Transmission Rate – Network Service Rate	\$/kW	1.6333
Retail Transmission Rate – Line and Transformation Connection Service Rate	\$/kW	1.2790
Wholesale Market Service Rate	\$/kWh	0.0052
Rural Rate Protection Charge	\$/kWh	0.0013
Standard Supply Service – Administrative Charge (if applicable)	\$	0.25



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## Current and Applied For Loss Factors

### LOSS FACTORS

Current

Total Loss Factor - Secondary Metered Customer < 5,000 kW  
Total Loss Factor - Secondary Metered Customer > 5,000 kW  
Total Loss Factor - Primary Metered Customer < 5,000 kW  
Total Loss Factor - Primary Metered Customer > 5,000 kW

1.0579  
n/a  
1.0473  
n/a



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## **Summary of Changes To Service Charge and Distrib**



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## Summary of Changes To Tariff Rate Add

	Fixed	Volumetric
Residential	(\$)	\$/kWh
Current Tariff Rates Adders		
Smart Meters	1.33	0.0000
<b>Total Current Tariff Rates Adders</b>	<b>1.33</b>	<b>0.0000</b>

	Fixed	Volumetric
Residential	(\$)	\$/kWh
Proposed Tariff Rates Adders		
Smart Meters	1.33	0.0000
<b>Total Proposed Tariff Rates Adders</b>	<b>1.33</b>	<b>0.0000</b>

	Fixed	Volumetric
General Service Less Than 50 kW	(\$)	\$/kWh
Current Tariff Rates Adders		
Smart Meters	1.33	0.0000
<b>Total Current Tariff Rates Adders</b>	<b>1.33</b>	<b>0.0000</b>

	Fixed	Volumetric
General Service Less Than 50 kW	(\$)	\$
Proposed Tariff Rates Adders		
Smart Meters	1.33	0.0000
<b>Total Proposed Tariff Rates Adders</b>	<b>1.33</b>	<b>0.0000</b>

	Fixed	Volumetric
General Service 50 to 4,999 kW	(\$)	\$
Current Tariff Rates Adders		
Smart Meters	1.33	0.0000
<b>Total Current Tariff Rates Adders</b>	<b>1.33</b>	<b>0.0000</b>

	Fixed	Volumetric
General Service 50 to 4,999 kW	(\$)	\$
Proposed Tariff Rates Adders		
Smart Meters	1.33	0.0000
<b>Total Proposed Tariff Rates Adders</b>	<b>1.33</b>	<b>0.0000</b>

	Fixed	Volumetric
Unmetered Scattered Load	(\$)	\$/kWh
Current Tariff Rates Adders		
<b>Total Current Tariff Rates Adders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed	Volumetric
Unmetered Scattered Load	(\$)	0
Proposed Tariff Rates Adders		
<b>Total Proposed Tariff Rates Adders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed	Volumetric
Street Lighting	(\$)	\$/kWh
Current Tariff Rates Adders		
<b>Total Current Tariff Rates Adders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed	Volumetric
Street Lighting	(\$)	0
Proposed Tariff Rates Adders		
<b>Total Proposed Tariff Rates Adders</b>	<b>0.00</b>	<b>0.0000</b>



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
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## Summary of Changes To Tariff Rate Riders

	Fixed (\$)	Volumetric \$/kWh
<b>Residential</b>		
<b>Current Tariff Rates Riders</b>		
Def Var Disp 2010	0.00	0.0004
<b>Total Current Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0004</b>

	Fixed (\$)	Volumetric \$/kWh
<b>Residential</b>		
<b>Proposed Tariff Rates Riders</b>		
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed (\$)	Volumetric \$/kWh
<b>General Service Less Than 50 kW</b>		
<b>Current Tariff Rates Riders</b>		
Def Var Disp 2010	0.00	0.0008
<b>Total Current Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0008</b>

	Fixed (\$)	Volumetric \$
<b>General Service Less Than 50 kW</b>		
<b>Proposed Tariff Rates Riders</b>		
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed (\$)	Volumetric \$
<b>General Service 50 to 4,999 kW</b>		
<b>Current Tariff Rates Riders</b>		
Def Var Disp 2010	0.00	0.5901
<b>Total Current Tariff Rates Riders</b>	<b>0.00</b>	<b>0.5901</b>

	Fixed (\$)	Volumetric \$
<b>General Service 50 to 4,999 kW</b>		
<b>Proposed Tariff Rates Riders</b>		
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed (\$)	Volumetric \$/kWh
<b>Unmetered Scattered Load</b>		
<b>Current Tariff Rates Riders</b>		
Def Var Disp 2010	0.00	0.0015
<b>Total Current Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0015</b>

	Fixed (\$)	Volumetric 0
<b>Unmetered Scattered Load</b>		
<b>Proposed Tariff Rates Riders</b>		
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0000</b>

	Fixed (\$)	Volumetric \$/kWh
<b>Street Lighting</b>		
<b>Current Tariff Rates Riders</b>		
Def Var Disp 2010	0.00	0.7680
<b>Total Current Tariff Rates Riders</b>	<b>0.00</b>	<b>0.7680</b>

	Fixed (\$)	Volumetric 0
<b>Street Lighting</b>		
<b>Proposed Tariff Rates Riders</b>		
<b>Total Proposed Tariff Rates Riders</b>	<b>0.00</b>	<b>0.0000</b>





Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: EB-2010-0077  
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## Calculation of Bill Impacts

RTSR Loss Adjusted Metered kWh	Yes
RTSR Loss Adjusted Metered kW	No

### Residential

Monthly Rates and Charges	Metric	Current Rate	Applied For Rate
Service Charge	\$	1.95	1.95
Service Charge Rate (Address)	\$	1.33	1.33
Service Charge Rate (Rider(s))	\$	1	1
Distribution Volumetric Rate	\$/kWh	0.0128	0.0121
Distribution Volumetric Rate (Address)	\$/kWh	0.0128	0.0121
Low Voltage Volumetric Rate	\$/kWh	0.0014	0.0014
Transmission Volumetric Rate (Rider(s))	\$/kWh	0.0004	0.0004
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0011	0.0009
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0046	0.0047
Wholesale Market Service Rate	\$/kWh	0.0002	0.0005
Rural Rate Protection Charge	\$/kWh	0.0013	0.0013
Special Purpose Charge	\$/kWh	0.0004	0.0004
Standard Supply Service - Administration Charge (if applicable)	\$/kWh	0.23	0.23

Consumption	800 kWh	0 kW	Loss Factor 1.0579
RPP Tier One	600 kWh	Load Factor	

Residential	Volume	RATE \$	CHARGE	Volume	RATE \$	CHARGE	\$	%	% of Total Bill
Energy FCS Tier (kWh)	600	0.0056	3.36	800	0.0056	4.48	1.12	0.2%	33.4%
Energy Second Tier (kWh)	247	0.0750	18.63	247	0.0750	18.63	0.00	0.0%	18.89%
<b>Sub-Total - Energy</b>			<b>22.00</b>			<b>23.11</b>	<b>0.00</b>	<b>0.0%</b>	<b>49.3%</b>
Service Charge	1	13.49	13.49	1	12.90	12.90	-0.59	-0.4%	11.08%
Service Charge Rate (Address)	1	1.33	1.33	1	1.33	1.33	0.00	0.0%	1.4%
Service Charge Rate (Rider(s))	1	0.00	0.00	1	0.00	0.00	0.00	0.0%	0.00%
Distribution Volumetric Rate	800	0.0009	0.72	800	0.0121	9.68	8.96	14.0%	8.80%
Distribution Volumetric Rate (Address)	800	0.0009	0.72	800	0.0009	0.72	0.00	0.0%	0.80%
Low Voltage Volumetric Rate	800	0.0014	1.12	800	0.0014	1.12	0.00	0.0%	0.96%
Transmission Volumetric Rate (Rider(s))	800	0.0004	0.32	800	0.0004	0.32	-0.32	-100.0%	0.00%
<b>Total - Distribution</b>			<b>23.34</b>			<b>23.69</b>	<b>-0.35</b>	<b>(8.9%)</b>	<b>21.48%</b>
Retail Transmission Rate - Network Service Rate	847	0.0011	0.93	847	0.0009	0.60	-0.33	-16.7%	4.0%
Retail Transmission Rate - Line and Transformation Connection Service Rate	847	0.0046	3.90	847	0.0047	3.98	0.08	2.1%	3.41%
<b>Total - Retail Transmission</b>			<b>4.83</b>			<b>4.58</b>	<b>-0.25</b>	<b>(5.2%)</b>	<b>7.01%</b>
<b>Sub-Total - Delivery Distribution and Retail Transmission</b>			<b>27.84</b>			<b>24.91</b>	<b>-2.93</b>	<b>(11.8%)</b>	<b>29.16%</b>
Wholesale Market Service Rate	847	0.0002	0.17	847	0.0004	0.40	0.23	0.0%	3.7%
Rural Rate Protection Charge	847	0.0013	1.10	847	0.0013	1.10	0.00	0.0%	0.84%
Special Purpose Charge	847	0.0004	0.34	847	0.0004	0.34	0.00	0.0%	0.89%
Standard Supply Service - Administration Charge (if applicable)	1	0.23	0.23	1	0.23	0.23	0.00	0.0%	0.1%
<b>Sub-Total - Regulatory</b>			<b>4.89</b>			<b>4.69</b>	<b>-0.20</b>	<b>(8.9%)</b>	<b>5.22%</b>
Debt Retirement Charge (DRC)	800	0.0070	5.60	800	0.0070	5.60	0.00	0.0%	4.86%
Water Bill before Taxes			<b>169.78</b>			<b>169.23</b>	<b>-0.55</b>	<b>(0.4%)</b>	<b>88.69%</b>
GST	103.76	13%	13.49	103.73	13%	13.49	0.00	0.0%	11.56%
<b>Total Bill</b>			<b>177.27</b>			<b>168.65</b>	<b>-8.62</b>	<b>(8.9%)</b>	<b>100.00%</b>

### Rate Class Threshold Test

Residential	kWh	250	600	800	1,400	2,250
	Loss Factor Adjusted kWh	265	635	847	1,482	2,381
	kW					
	Load Factor					

Energy	Applied For Bill	\$ 17.22	\$ 41.63	\$ 57.53	\$ 105.15	\$ 172.58
	Current Bill	\$ 17.22	\$ 41.63	\$ 57.53	\$ 105.15	\$ 172.58
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	36.8%	46.3%	49.3%	53.4%	55.6%

Distribution	Applied For Bill	\$ 17.60	\$ 22.33	\$ 25.03	\$ 33.13	\$ 44.60
	Current Bill	\$ 18.42	\$ 23.46	\$ 26.34	\$ 34.98	\$ 47.22
	\$ Impact	-\$ 0.82	-\$ 1.13	\$ 1.31	-\$ 1.85	-\$ 2.62
	% Impact	-4.5%	-4.8%	-5.0%	-5.3%	-5.5%
	% of Total Bill	37.6%	24.8%	21.5%	16.8%	14.4%

Retail Transmission						
Applied For Bill	\$ 2.91	\$ 6.73	\$ 8.96	\$ 15.71	\$ 25.24	
Current Bill	\$ 2.57	\$ 6.16	\$ 8.22	\$ 14.38	\$ 23.09	
\$ Impact	\$ 0.24	\$ 0.57	\$ 0.76	\$ 1.33	\$ 2.15	
% Impact	9.3%	9.3%	9.2%	9.2%	9.3%	
% of Total Bill	6.0%	7.5%	7.7%	8.0%	8.1%	

Delivery (Distribution and Retail Transmission)	Applied For Bill	\$ 20.41	\$ 29.06	\$ 34.01	\$ 48.84	\$ 69.84
	Current Bill	\$ 20.99	\$ 29.62	\$ 34.56	\$ 49.36	\$ 70.31
	\$ Impact	\$ 0.58	\$ 0.56	\$ 0.55	\$ 0.52	\$ 0.47
	% Impact	-2.8%	-1.9%	-1.6%	-1.1%	-0.7%
	% of Total Bill	43.6%	32.3%	29.2%	24.8%	22.5%

Regulatory	Applied For Bill	\$ 2.08	\$ 4.63	\$ 6.09	\$ 10.48	\$ 16.68
	Current Bill:	\$ 2.08	\$ 4.63	\$ 6.09	\$ 10.48	\$ 16.68
	\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -
	% Impact	0.0%	0.0%	0.0%	0.0%	0.0%
	% of Total Bill	4.4%	5.2%	5.2%	5.3%	5.4%

Debt Retirement Charge						
Applied For Bill	\$ 1.75	\$ 4.20	\$ 5.60	\$ 9.80	\$ 15.75	
Current Bill	\$ 1.75	\$ 4.20	\$ 5.60	\$ 9.80	\$ 15.75	
\$ Impact	\$ -	\$ -	\$ -	\$ -	\$ -	
% Impact	0.0%	0.0%	0.0%	0.0%	0.0%	
% of Total Bill	3.7%	4.7%	4.8%	5.0%	5.1%	

GST	Applied For Bill	\$ 5.39	\$ 10.34	\$ 13.42	\$ 22.66	\$ 35.73
	Current Bill	\$ 6.47	\$ 10.41	\$ 13.49	\$ 22.72	\$ 35.79
	\$ Impact	\$ 0.08	\$ 0.07	\$ 0.07	\$ 0.06	\$ 0.06
	% Impact	-1.5%	-0.7%	-0.5%	-0.3%	-0.2%
	% of Total Bill	11.6%	11.5%	11.5%	11.5%	11.5%

Total Bill	Applied For Bill	\$ 46.85	\$ 89.86	\$ 116.65	\$ 196.03	\$ 310.58
	Current Bill	\$ 47.51	\$ 90.49	\$ 117.27	\$ 197.51	\$ 311.11
	\$ Impact	\$ -0.66	\$ -0.63	\$ -0.62	\$ -0.58	\$ -0.53
	% Impact	-1.4%	-0.7%	-0.5%	-0.3%	-0.2%

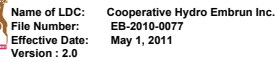


**Name of LDC:** Cooperative Hydro Embrun Inc.  
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## Current and Applied For Allowances

### Allowances

	Metric	Current
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)

[illegible]



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## Current and Applied For Retail Service Charges

<b>Retail Service Charges (if applicable)</b>	Metric	Current
Retail Service Charges refer to services provided by a distributor to retailers or customers related to the supply of competitive electricity		
One-time charge, per retailer, to establish the service agreement between the distributor and the retailer	\$	100.00
Monthly Fixed Charge, per retailer	\$	20.00
Monthly Variable Charge, per customer, per retailer	\$/cust.	0.50
Distributor-consolidated billing charge, per customer, per retailer	\$/cust.	0.30
Retailer-consolidated billing credit, per customer, per retailer	\$/cust.	(0.30)
<b>Service Transaction Requests (STR)</b>		
Request fee, per request, applied to the requesting party	\$	0.25
Processing fee, per request, applied to the requesting party	\$	0.50
Request for customer information as outlined in Section 10.6.3 and Chapter 11 of the Retail Settlement Code directly to retailers and customers, if not delivered electronically through the Electronic Business Transaction (EBT) system, applied to the requesting party		
Up to twice a year		no charge
More than twice a year, per request (plus incremental delivery costs)	\$	2.00



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## LDC Information

<b>Applicant Name</b>	Cooperative Hydro Embrun Inc.
<b>OEB Application Number</b>	IRM3
<b>LDC Licence Number</b>	ED-2002-0493
<b>Applied for Effective Date</b>	May 1, 2011
<b>Last COS Re-based Year</b>	2010
<b>Last COS OEB Application Number</b>	EB-2009-0132



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** IRM3  
**Effective Date:** May 1, 2011  
**Version :** 1.0

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<a href="#">A2.1 Table of Contents</a>	Table of Contents
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<a href="#">B1.2 Removal of Rate Adders</a>	Removal of Rate Adders
<a href="#">B1.3 Re-Based Rev From Rates</a>	Calculated Current Revenue From Rates
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Name of LDC: Cooperative Hydro Embrun Inc.  
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## Rate Class Selection, Re-Based Billing Determinants & Current Tariff Rates

The purpose of this sheet is to set up the rate classes, enter the re-based billing determinants from your last cost of service application and enter the current service charge and volumetric distribution rates as found on your May 1, 2010 (or subsequent) Tariff of rates and charges.

Last COS Re-based Year				2010					
Last COS OEB Application Number				EB-2009-0132					
Rate Group	Rate Class	Fixed Metric	Vol Metric	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Current Tariff Service Charge D	Current Tariff Distribution Volumetric Rate kWh E	Current Tariff Distribution Volumetric Rate kW F
RES	Residential	Customer	kWh	1,834	19,657,452		13.49	0.0126	
GSLT50	General Service Less Than 50 kW	Customer	kWh	162	4,976,291		20.02	0.0166	
GSGT50	General Service 50 to 4,999 kW – Interval Metered	Customer	kW	12	4,387,835	12,779	241.54		4.4752
USL	Unmetered Scattered Load	Connection	kWh	20	93,536		39.40	0.0103	
SL	Street Lighting	Connection	kW	407	388,274	1,066	1.58		6.4153
NA	Rate Class 6	NA	NA						
NA	Rate Class 7	NA	NA						
NA	Rate Class 8	NA	NA						
NA	Rate Class 9	NA	NA						
NA	Rate Class 10	NA	NA						
NA	Rate Class 11	NA	NA						
NA	Rate Class 12	NA	NA						
NA	Rate Class 13	NA	NA						
NA	Rate Class 14	NA	NA						
NA	Rate Class 15	NA	NA						
NA	Rate Class 16	NA	NA						
NA	Rate Class 17	NA	NA						
NA	Rate Class 18	NA	NA						
NA	Rate Class 19	NA	NA						
NA	Rate Class 20	NA	NA						
NA	Rate Class 21	NA	NA						
NA	Rate Class 22	NA	NA						
NA	Rate Class 23	NA	NA						
NA	Rate Class 24	NA	NA						
NA	Rate Class 25	NA	NA						



**Name of LDC:** Cooperative Hydro Embrun Inc.  
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## Removal of Rate Adders

The purpose of this sheet is to remove from current tariff rates any rate adders included in rates. Most applicants will not require input on this sheet

Last COS Re-based Year **2010**

Last COS OEB Application Number **EB-2009-0132**

Rate Class	Current Tariff Service Charge A	Current Tariff Distribution Volumetric Rate kWh B	Current Tariff Distribution Volumetric Rate kW C	Service Charge Rate Adders D	Distribution Volumetric kWh Rate Adders E	Distribution Volumetric kW Rate Adders F
Residential	13.49	0.0126	0.0000	0.00	0.0000	0.0000
General Service Less Than 50 kW	20.02	0.0166	0.0000	0.00	0.0000	0.0000
General Service 50 to 4,999 kW – Interval Metered	241.54	0.0000	4.4752	0.00	0.0000	0.0000
Unmetered Scattered Load	39.40	0.0103	0.0000	0.00	0.0000	0.0000
Street Lighting	1.58	0.0000	6.4153	0.00	0.0000	0.0000





**Name of LDC:** Cooperative Hydro Embrun Inc.  
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## Calculated Current Revenue From Rates

The purpose of this sheet is to calculate current revenue from rate classes

Last COS Re-based Year

2010

Last COS OEB Application Number

EB-2009-0132

Rate Class	Re-based Billed Customers or Connections A	Re-based Billed kWh B	Re-based Billed kW C	Current Base Service Charge D	Current Base Distribution Volumetric Rate kWh E	Current Base Distribution Volumetric Rate kW F	Service Charge Revenue G = A * D * 12	Distribution Volumetric Rate Revenue kWh H = B * E	Distribution Volumetric Rate Revenue kW I = C * F	Revenue Requireme nt from Rates I
Residential	1,834	19,657,452	0	13.49	0.0126	0.0000	296,888	247,684	0	544,572
General Service Less Than 50 kW	162	4,976,291	0	20.02	0.0166	0.0000	38,919	82,606	0	121,525
General Service 50 to 4,999 kW – Interval	12	4,387,835	12,779	241.54	0.0000	4.4752	34,782	0	57,189	91,970
Unmetered Scattered Load	20	93,536	0	39.40	0.0103	0.0000	9,456	963	0	10,419
Street Lighting	407	388,274	1,066	1.58	0.0000	6.4153	7,717	0	6,839	14,555
							387,761	331,254	64,027	783,042



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** IRM3  
**Effective Date:** May 1, 2011  
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## Decision - Cost Revenue Adjustments by Rate Class

The purpose of this sheet is to input the Revenue Cost Ratios as determined from column G on Sheet "C1.5 Proposed R C Ratio Adj" of the applicants 2010 IRM3 Supplemental Filing Module or 2010 COS Decision and Order.

Under Direction the applicant can choose "No Change" - no change in that rate class ratio, "Change" - Board ordered change from COS decision, or Rebalance to apply offset adjustments to Decision prescribed rate classes.

Rate Class	Direction	Current Year 2010	Transition Year 1 2011	Transition Year 2 2012	Transition Year 3 2013	Transition Year 4 2014	Transition Year 5 2015
Residential	Rebalance	103.00%	tbd	tbd	tbd	tbd	tbd
General Service Less Than 50 kW	No Change	91.00%	91.00%	91.00%	91.00%	91.00%	91.00%
General Service 50 to 4,999 kW – Inte	No Change	121.00%	121.00%	121.00%	121.00%	121.00%	121.00%
Unmetered Scattered Load	Change	51.00%	66.00%	80.00%	80.00%	80.00%	80.00%
Street Lighting	Change	60.00%	70.00%	70.00%	70.00%	70.00%	70.00%



**Name of LDC:** Cooperative Hydro Embrun Inc.  
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**Effective Date:** May 1, 2011  
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## 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		Allocated Revenue	
	Revenue Offsets A	Percentage Split C= A / B	Offsets E = D * C	
Residential	29,331	70.90%	29,331	
General Service Less Than 50 kW	6,508	15.73%	6,508	
General Service 50 to 4,999 kW – Interval Metered	3,201	7.74%	3,201	
Unmetered Scattered Load	1,403	3.39%	1,403	
Street Lighting	928	2.24%	928	
	41,371	100.00%	41,371	
	<b>B</b>		<b>D</b>	

Enter revenue offsets as found in Cell  
 F47 on sheet "C1.2 Revenue Offsets  
 Allocation" of the 2010 IRM3  
 Supplemental Filing Module or from  
 2010 COS RRWF



**Name of LDC:** Cooperative Hydro Embrun Inc.  
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**Transformer Allowance**

The purpose of this sheet is to remove the transformer allowance from volumetric rates. Under Transformer Allowance in Rates select "Yes" if included in that rate class or "No" if not included. Once selected apply the update button to reveal input cells in which you can input the number of kW's and the transformer rate for each rate class.

Rate Class	Transformer Allowance In Rate	Transformer Allowance A	Transformer Allowance kW's C	Transformer Allowance Rate E	Volumetric Distribution Rate F	Billed kW's G	Adjusted Volumetric Distribution Rate I = ( F * ( G - C ) + ( F - E ) * C ) / G
Residential	No						
General Service Less Than 50 kW	No						
General Service 50 to 4,999 kW – Interval Metered	No						
Unmetered Scattered Load	No						
Street Lighting	No						
		B	D				
		-					
		Enter Transformer Allowance as found in Cell E47 on sheet "C1.3 Transformer Allowance" of the 2010 IRM3 Supplemental Filing Module or from 2010 COS RRWF					



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** IRM3  
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## Revenue / Cost Ratio Revenue

The purpose of this sheet is to calculate revenue by rate class that includes Revenue Offsets and excludes Transformer Allowance prior to Revenue Cost Ratio Adjustment re-allocation.

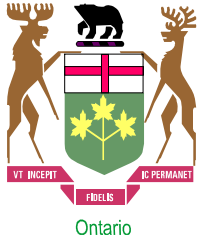
Rate Class	Billed Customers or Connections A	Billed kWh B	Billed kW C		Base Service Charge D	Base Distribution Volumetric Rate kWh E	Base Distribution Volumetric Rate kW F	Service Charge *12	Distribution Volumetric Rate kWh H = B * E	Distribution Volumetric Rate kW I = C * F	Revenue Requirement from Rates J = G + H + I
Residential	1,834	19,657,452	0	0	13.49	0.0126	0.0000	296,888	247,684	0	544,572
General Service Less Than 50 kW	162	4,976,291	0	0	20.02	0.0166	0.0000	38,919	82,606	0	121,525
General Service 50 to 4,999 kW – Interval Metered	12	4,387,835	12,779	0	241.54	0.0000	4.4752	34,782	0	57,189	91,970
Unmetered Scattered Load	20	93,536	0	0	39.40	0.0103	0.0000	9,456	963	0	10,419
Street Lighting	407	388,274	1,066	0	1.58	0.0000	6.4153	7,717	0	6,839	14,555
								387,761	331,254	64,027	783,042



Name of LDC: Cooperative Hydro Embrun Inc.  
 File Number: IRM3  
 Effective Date: May 1, 2011  
 Version : 1.0

## Proposed Revenue / Cost Ratio Adjustment

Rate Class	Adjusted Revenue A	Current Revenue Cost Ratio B	Re-Allocated Cost C = A / B	Proposed Revenue Cost Ratio D	Final Adjusted Revenue E = C * D	Dollar Change F = E - C	Percentage Change G = (E / C) - 1
Residential	\$ 573,903	1.03	\$ 557,187	0.99	\$ 549,232	-\$ 24,670	-4.3%
General Service Less Than 50 kW	\$ 128,033	0.91	\$ 140,696	0.91	\$ 128,033	\$ 0	0.0%
General Service 50 to 4,999 kW – Inte	\$ 95,171	1.21	\$ 78,654	1.21	\$ 95,171	\$ 0	0.0%
Unmetered Scattered Load	\$ 11,822	0.51	\$ 23,181	0.66	\$ 15,300	\$ 3,477	29.4%
Street Lighting	\$ 15,483	0.60	\$ 25,806	0.70	\$ 18,064	\$ 2,581	16.7%
	<u>\$ 824,413</u>		<u>\$ 825,524</u>		<u>\$ 805,801</u>	<u>-\$ 18,613</u>	<u>-2.3%</u>
Out of Balance					<b>18,613</b>		
Final ?					<b>Yes</b>		



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** IRM3  
**Effective Date:** May 1, 2011  
**Version :** 1.0

## Proposed Revenue from Revenue / Cost Ratio Adjustment

Rate Class	Adjusted Revenue By Revenue Cost Ratio A	Allocated Re- Based Revenue Offsets B	Revenue Requirement from Rates Before Transformer Allowance C = A - B	Re-based Transformer Allowance D	Revenue Requirement from Rates E = C + D
Residential	\$ 549,232	\$ 29,331	\$ 519,901	\$ -	\$ 519,901
General Service Less Than 50 kW	\$ 128,033	\$ 6,508	\$ 121,525	\$ -	\$ 121,525
General Service 50 to 4,999 kW – Inte	\$ 95,171	\$ 3,201	\$ 91,970	\$ -	\$ 91,970
Unmetered Scattered Load	\$ 15,300	\$ 1,403	\$ 13,897	\$ -	\$ 13,897
Street Lighting	\$ 18,064	\$ 928	\$ 17,136	\$ -	\$ 17,136
	<b>\$ 805,801</b>	<b>\$ 41,371</b>	<b>\$ 764,430</b>	<b>\$ -</b>	<b>\$ 764,430</b>



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** IRM3  
**Effective Date:** May 1, 2011  
**Version :** 1.0

## Proposed Fixed Variable Revenue Allocation

Rate Class	Revenue Requirement from Rates A	Service Charge % Revenue B	Distribution Volumetric	Distribution Volumetric	Service Charge Revenue E = A * B	Distribution Volumetric	Distribution Volumetric	Revenue Requirement from Rates by Rate Class H = E + F + G
			Rate % Revenue kWh C	Rate % Revenue kW D		Rate Revenue kWh F = A * C	Rate Revenue kW G = A * D	
Residential	\$ 519,901	54.5%	45.5%	0.0%	\$ 283,438	\$ 236,463	\$ -	\$ 519,901
General Service Less Than 50 kW	\$ 121,525	32.0%	68.0%	0.0%	\$ 38,919	\$ 82,606	\$ -	\$ 121,525
General Service 50 to 4,999 kW – Inter	\$ 91,970	37.8%	0.0%	62.2%	\$ 34,782	\$ -	\$ 57,189	\$ 91,970
Unmetered Scattered Load	\$ 13,897	90.8%	9.2%	0.0%	\$ 12,612	\$ 1,285	\$ -	\$ 13,897
Street Lighting	\$ 17,136	53.0%	0.0%	47.0%	\$ 9,085	\$ -	\$ 8,051	\$ 17,136
	\$ 764,430				\$ 378,835	\$ 320,355	\$ 65,240	\$ 764,430





**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** IRM3  
**Effective Date:** May 1, 2011  
**Version :** 1.0

## Proposed Fixed and Variable Rates

Rate Class	Service Charge Revenue A	Distribution Volumetric Rate Revenue kWh B	Distribution Volumetric Rate Revenue kW C	Re-based Billed Customers or Connections D	Re-based Billed kWh E	Re-based Billed kW F	Proposed Base Service Charge G = A / D / 12	Proposed Base Distribution Volumetric Rate kWh H = B / E	Proposed Base Distribution Volumetric Rate kW I = C / F
Residential	\$ 283,438	\$ 236,463	\$ -	1,834	19,657,452	0	12.88	0.0120	-
General Service Less Than 50 kW	\$ 38,919	\$ 82,606	\$ -	162	4,976,291	0	20.02	0.0166	-
General Service 50 to 4,999 kW – Interval	\$ 34,782	\$ -	\$ 57,189	12	4,387,835	12,779	241.54	-	4.4752
Unmetered Scattered Load	\$ 12,612	\$ 1,285	\$ -	20	93,536	0	52.55	0.0137	-
Street Lighting	\$ 9,085	\$ -	\$ 8,051	407	388,274	1,066	1.86	-	7.5527

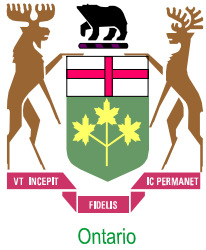


**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** IRM3  
**Effective Date:** May 1, 2011  
**Version :** 1.0

## Adjustment required to Proposed Rates

Rate Class	Proposed Base Service Charge A	Proposed Base Distribution Volumetric Rate kWh B	Proposed Base Distribution Volumetric Rate kW C	Current Base Service Charge D	Current Base Distribution Volumetric Rate kWh E	Current Base Distribution Volumetric Rate kW F	Adjustment Required Base Service Charge G = A - D	Adjustment Required Base Distribution Volumetric Rate kWh H = B - E	Adjustment Required Base Distribution Volumetric Rate kW I = C - F
Residential	\$ 12.88	\$ 0.0120	\$ -	\$ 13.49	\$ 0.0126	\$ -	-\$ 0.61	-\$ 0.0006	\$ -
General Service Less Than 50 kW	\$ 20.02	\$ 0.0166	\$ -	\$ 20.02	\$ 0.0166	\$ -	\$ -	\$ -	\$ -
General Service 50 to 4,999 kW – Interval	\$ 241.54	\$ -	\$ 4.4752	\$ 241.54	\$ -	\$ 4.4752	\$ -	\$ -	\$ -
Unmetered Scattered Load	\$ 52.55	\$ 0.0137	\$ -	\$ 39.40	\$ 0.0103	\$ -	\$ 13.15	\$ 0.0034	\$ -
Street Lighting	\$ 1.86	\$ -	\$ 7.5527	\$ 1.58	\$ -	\$ 6.4153	\$ 0.28	\$ -	\$ 1.1374

Enter the above values onto Sheet  
 "D1.X Revenue Cost Ratio Adj"  
 of the 2011 OEB IRM3 Rate Generator.



Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: EB-2010-0077  
Version : 1.0

## LDC Information

<b>Applicant Name</b>	Cooperative Hydro Embrun Inc.
<b>OEB Application Number</b>	EB-2010-0077
<b>LDC Licence Number</b>	ED-2002-0493
<b>Application Type</b>	IRM3



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Version :** 1.0

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<a href="#">B1.2 Dist Billing Determinants</a>	Enter Distributor Billing Determinants
<a href="#">B1.3 UTR's and Sub-Transmission</a>	Current and Forecasted UTR's and Hydro One Sub-Transmission Rates
<a href="#">C1.1 Historical Wholesale</a>	Enter Historical Wholesale Transmission
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<a href="#">E1.1 Adj Network to Fcst Whsl</a>	Calculates the Adjustment for RTSR-Network needed to recover Forecast Wholesale
<a href="#">E1.2 Adj Conn to Fcst Whsl</a>	Calculates the Adjustment for RTSR-Connection needed to recover Forecast Wholesale
<a href="#">F1.1 IRM RTSR Adj - Network</a>	Calculates the IRM RTSR Adjustment Calculation - Network for Rate Generator
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**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Version :** 1.0

## Rate Class And 2010 RTSR Rates

Enter Rate Group and Rate Class in the same order as listed on your current Tariff sheet and Rate Generator.

Enter the RTSR-Network and RTSR-Connection rates as approved on your current Tariff sheet.

Rate Group	Rate Class	Vol Metric	RTSR - Network	RTSR - Connection
RES	Residential	kWh	0.0051	0.0046
GSLT50	General Service Less Than 50 kW	kWh	0.0047	0.0041
GSGT50	General Service 50 to 4,999 kW	kW	1.8771	1.6294
USL	Unmetered Scattered Load	kWh	0.0047	0.0041
SL	Street Lighting	kW	1.4158	1.2597
NA	Rate Class 6	NA		
NA	Rate Class 7	NA		
NA	Rate Class 8	NA		
NA	Rate Class 9	NA		
NA	Rate Class 10	NA		
NA	Rate Class 11	NA		
NA	Rate Class 12	NA		
NA	Rate Class 13	NA		
NA	Rate Class 14	NA		
NA	Rate Class 15	NA		
NA	Rate Class 16	NA		
NA	Rate Class 17	NA		
NA	Rate Class 18	NA		
NA	Rate Class 19	NA		
NA	Rate Class 20	NA		
NA	Rate Class 21	NA		
NA	Rate Class 22	NA		
NA	Rate Class 23	NA		
NA	Rate Class 24	NA		
NA	Rate Class 25	NA		



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Version :** 1.0

## 2009 Distributor Billing Determinants

Enter the most recently reported RRR billing determinants

Loss Adjusted Metered kWh **Yes**

Loss Adjusted Metered kW **No**

Rate Class	Vol Metric	Metered kWh A	Metered kW B	Applicable Loss Factor C	Load Factor 730)	Loss Adjusted Billed kWh $E = A * C$
Residential	kWh	19,949,042	0	1.0579	46.96%	21,104,092
General Service Less Than 50 kW	kWh	4,298,893	0	1.0579		4,547,799
General Service 50 to 4,999 kW	kW	4,143,840	12,095	1.0579		4,383,768
Unmetered Scattered Load	kWh	92,676	0	1.0579		98,042
Street Lighting	kW	351,661	1,018	1.0579	47.35%	372,022
Total		28,836,112	13,113			30,505,723



Name of LDC: Cooperative Hydro Embrun Inc.  
 File Number: EB-2010-0077  
 Version : 1.0

## Uniform Transmission and Hydro One Sub-Transmission Rates

### Uniform Transmission Rates

Rate Description	Vol Metric	Effective January 1, 2009	Effective July 1, 2009	Effective January 1, 2010	Effective January 1, 2011
		Rate	Rate	Rate	Rate
Network Service Rate	kW	\$ 2.57	\$ 2.66	\$ 2.97	\$ 2.97
Line Connection Service Rate	kW	\$ 0.70	\$ 0.70	\$ 0.73	\$ 0.73
Transformation Connection Service Rate	kW	\$ 1.62	\$ 1.57	\$ 1.71	\$ 1.71

### Hydro One Sub-Transmission Rates

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

### Hydro One Sub-Transmission Rate Rider 6A

Rate Description	Vol Metric	Effective May 1, 2008	Effective May 1, 2009	Effective May 1, 2010	Effective May 1, 2011
		Rate	Rate	Rate	Rate
RSVA Transmission network – 4714 – which affects 1584	kW	\$ -	\$ -	\$ 0.0470	\$ 0.0470
RSVA Transmission connection – 4716 – which affects 1586	kW	\$ -	\$ -	-\$ 0.0250	-\$ 0.0250
RSVA LV – 4750 – which affects 1550	kW	\$ -	\$ -	\$ 0.0580	\$ 0.0580
RARA 1 – 2252 – which affects 1590	kW	\$ -	\$ -	-\$ 0.0750	-\$ 0.0750
Hydro One Sub-Transmission Rate Rider 6A	kW	\$ -	\$ -	\$ 0.0050	\$ 0.0050



Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: EB-2010-0077  
Version : 1.0

## 2009 Historical Wholesale Transmission

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

### IESO

Month	Network			Line Connection			Transformation Connection			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January		\$ -			\$ -			\$ -		\$ -
February		\$ -			\$ -			\$ -		\$ -
March		\$ -			\$ -			\$ -		\$ -
April		\$ -			\$ -			\$ -		\$ -
May		\$ -			\$ -			\$ -		\$ -
June		\$ -			\$ -			\$ -		\$ -
July		\$ -			\$ -			\$ -		\$ -
August		\$ -			\$ -			\$ -		\$ -
September		\$ -			\$ -			\$ -		\$ -
October		\$ -			\$ -			\$ -		\$ -
November		\$ -			\$ -			\$ -		\$ -
December		\$ -			\$ -			\$ -		\$ -
Total	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

### Hydro One

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	6,862	\$2.01	\$ 13,793	6,862	\$ -		6,862	\$1.88	\$ 12,901	\$ 12,901
February	6,326	\$2.01	\$ 12,715	6,326	\$ -		6,326	\$1.88	\$ 11,893	\$ 11,893
March	5,691	\$2.01	\$ 11,439	5,808	\$ -		5,808	\$1.88	\$ 10,919	\$ 10,919
April	4,779	\$2.01	\$ 9,606	4,779	\$ -		4,779	\$1.88	\$ 8,985	\$ 8,985
May	3,963	\$2.24	\$ 8,877	3,963	\$ -		3,963	\$1.99	\$ 7,886	\$ 7,886
June	5,731	\$2.24	\$ 12,837	5,731	\$ -		5,731	\$1.99	\$ 11,405	\$ 11,405
July	4,839	\$2.24	\$ 10,839	4,839	\$ -		4,839	\$1.99	\$ 9,630	\$ 9,630
August	6,052	\$2.24	\$ 13,556	6,052	\$ -		6,052	\$1.99	\$ 12,043	\$ 12,043
September	4,428	\$2.24	\$ 9,919	4,428	\$ -		4,428	\$1.99	\$ 8,812	\$ 8,812
October	4,719	\$2.24	\$ 10,571	4,719	\$ -		4,719	\$1.99	\$ 9,391	\$ 9,391
November	5,464	\$2.24	\$ 12,239	5,464	\$ -		5,464	\$1.99	\$ 10,873	\$ 10,873
December	6,854	\$2.24	\$ 15,353	6,854	\$ -		6,854	\$1.99	\$ 13,639	\$ 13,639
Total	65,708	\$2.16	\$ 141,745	65,825	\$ -	\$ -	65,825	\$1.95	\$ 128,377	\$ 128,377

### Total

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	6,862	\$2.01	\$ 13,793	6,862	\$ -	\$ -	6,862	\$1.88	\$ 12,901	\$ 12,901
February	6,326	\$2.01	\$ 12,715	6,326	\$ -	\$ -	6,326	\$1.88	\$ 11,893	\$ 11,893
March	5,691	\$2.01	\$ 11,439	5,808	\$ -	\$ -	5,808	\$1.88	\$ 10,919	\$ 10,919
April	4,779	\$2.01	\$ 9,606	4,779	\$ -	\$ -	4,779	\$1.88	\$ 8,985	\$ 8,985
May	3,963	\$2.24	\$ 8,877	3,963	\$ -	\$ -	3,963	\$1.99	\$ 7,886	\$ 7,886
June	5,731	\$2.24	\$ 12,837	5,731	\$ -	\$ -	5,731	\$1.99	\$ 11,405	\$ 11,405
July	4,839	\$2.24	\$ 10,839	4,839	\$ -	\$ -	4,839	\$1.99	\$ 9,630	\$ 9,630
August	6,052	\$2.24	\$ 13,556	6,052	\$ -	\$ -	6,052	\$1.99	\$ 12,043	\$ 12,043
September	4,428	\$2.24	\$ 9,919	4,428	\$ -	\$ -	4,428	\$1.99	\$ 8,812	\$ 8,812
October	4,719	\$2.24	\$ 10,571	4,719	\$ -	\$ -	4,719	\$1.99	\$ 9,391	\$ 9,391
November	5,464	\$2.24	\$ 12,239	5,464	\$ -	\$ -	5,464	\$1.99	\$ 10,873	\$ 10,873
December	6,854	\$2.24	\$ 15,353	6,854	\$ -	\$ -	6,854	\$1.99	\$ 13,639	\$ 13,639
Total	65,708	\$2.16	\$ 141,745	65,825	\$ -	\$ -	65,825	\$1.95	\$ 128,377	\$ 128,377





**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Version :** 1.0

## Current Wholesale Transmission

The purpose of this sheet is to calculate the expected billing when current 2010 UTR rates are applied against historical (2009) transmission units.

### IESO

Month	Network			Line Connection			Transformation Connection			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
February	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
March	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
April	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
May	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
June	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
July	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
August	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
September	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
October	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
November	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
December	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
<b>Total</b>	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

### Hydro One

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
	Includes Hydro One Rate Rider B1.3 UTR's and Sub-Transmission Cell K48			Includes Hydro One Rate Rider B1.3 UTR's and Sub-Transmission Cell K50						
January	6,862	\$2.6970	\$ 18,507	6,862	\$0.6150	\$ 4,220	6,862	\$1.5000	\$10,293	\$ 14,513
February	6,326	\$2.6970	\$ 17,061	6,326	\$0.6150	\$ 3,890	6,326	\$1.5000	\$ 9,489	\$ 13,379
March	5,691	\$2.6970	\$ 15,349	5,808	\$0.6150	\$ 3,572	5,808	\$1.5000	\$ 8,712	\$ 12,284
April	4,779	\$2.6970	\$ 12,889	4,779	\$0.6150	\$ 2,939	4,779	\$1.5000	\$ 7,169	\$ 10,108
May	3,963	\$2.6970	\$ 10,688	3,963	\$0.6150	\$ 2,437	3,963	\$1.5000	\$ 5,945	\$ 8,382
June	5,731	\$2.6970	\$ 15,457	5,731	\$0.6150	\$ 3,525	5,731	\$1.5000	\$ 8,597	\$ 12,121
July	4,839	\$2.6970	\$ 13,051	4,839	\$0.6150	\$ 2,976	4,839	\$1.5000	\$ 7,259	\$ 10,234
August	6,052	\$2.6970	\$ 16,322	6,052	\$0.6150	\$ 3,722	6,052	\$1.5000	\$ 9,078	\$ 12,800
September	4,428	\$2.6970	\$ 11,942	4,428	\$0.6150	\$ 2,723	4,428	\$1.5000	\$ 6,642	\$ 9,365
October	4,719	\$2.6970	\$ 12,727	4,719	\$0.6150	\$ 2,902	4,719	\$1.5000	\$ 7,079	\$ 9,981
November	5,464	\$2.6970	\$ 14,736	5,464	\$0.6150	\$ 3,360	5,464	\$1.5000	\$ 8,196	\$ 11,556
December	6,854	\$2.6970	\$ 18,485	6,854	\$0.6150	\$ 4,215	6,854	\$1.5000	\$10,281	\$ 14,496
<b>Total</b>	65,708	\$2.6970	\$177,214	65,825	\$0.6150	\$40,482	65,825	\$1.5000	\$98,738	\$139,220

### Total

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	6,862	\$2.6970	\$ 18,507	6,862	\$0.6150	\$ 4,220	6,862	\$1.5000	\$10,293	\$ 14,513
February	6,326	\$2.6970	\$ 17,061	6,326	\$0.6150	\$ 3,890	6,326	\$1.5000	\$ 9,489	\$ 13,379
March	5,691	\$2.6970	\$ 15,349	5,808	\$0.6150	\$ 3,572	5,808	\$1.5000	\$ 8,712	\$ 12,284
April	4,779	\$2.6970	\$ 12,889	4,779	\$0.6150	\$ 2,939	4,779	\$1.5000	\$ 7,169	\$ 10,108
May	3,963	\$2.6970	\$ 10,688	3,963	\$0.6150	\$ 2,437	3,963	\$1.5000	\$ 5,945	\$ 8,382
June	5,731	\$2.6970	\$ 15,457	5,731	\$0.6150	\$ 3,525	5,731	\$1.5000	\$ 8,597	\$ 12,121
July	4,839	\$2.6970	\$ 13,051	4,839	\$0.6150	\$ 2,976	4,839	\$1.5000	\$ 7,259	\$ 10,234
August	6,052	\$2.6970	\$ 16,322	6,052	\$0.6150	\$ 3,722	6,052	\$1.5000	\$ 9,078	\$ 12,800
September	4,428	\$2.6970	\$ 11,942	4,428	\$0.6150	\$ 2,723	4,428	\$1.5000	\$ 6,642	\$ 9,365
October	4,719	\$2.6970	\$ 12,727	4,719	\$0.6150	\$ 2,902	4,719	\$1.5000	\$ 7,079	\$ 9,981
November	5,464	\$2.6970	\$ 14,736	5,464	\$0.6150	\$ 3,360	5,464	\$1.5000	\$ 8,196	\$ 11,556
December	6,854	\$2.6970	\$ 18,485	6,854	\$0.6150	\$ 4,215	6,854	\$1.5000	\$10,281	\$ 14,496
<b>Total</b>	65,708	\$2.6970	\$177,214	65,825	\$0.6150	\$40,482	65,825	\$1.5000	\$98,738	\$139,220



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Version : 1.0**

## Forecast Wholesale Transmission

The purpose of this sheet is to calculate the expected billing when forecasted 2011 UTR rates are applied against historical (2009) transmission units.

### IESO

Month	Network			Line Connection			Transformation Connection			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
February	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
March	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
April	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
May	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
June	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
July	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
August	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
September	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
October	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
November	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
December	-	\$2.9700	\$ -	-	\$0.7300	\$ -	-	\$1.7100	\$ -	\$ -
<b>Total</b>	-	\$ -	\$ -	-	\$ -	\$ -	-	\$ -	\$ -	\$ -

### Hydro One

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
	Includes Hydro One Rate Rider B1.3 UTR's and Sub-Transmission Cell M48			Includes Hydro One Rate Rider B1.3 UTR's and Sub-Transmission Cell M50						
January	6,862	\$2.6970	\$ 18,507	6,862	\$0.6150	\$ 4,220	6,862	\$1.5000	\$10,293	\$ 14,513
February	6,326	\$2.6970	\$ 17,061	6,326	\$0.6150	\$ 3,890	6,326	\$1.5000	\$ 9,489	\$ 13,379
March	5,691	\$2.6970	\$ 15,349	5,808	\$0.6150	\$ 3,572	5,808	\$1.5000	\$ 8,712	\$ 12,284
April	4,779	\$2.6970	\$ 12,889	4,779	\$0.6150	\$ 2,939	4,779	\$1.5000	\$ 7,169	\$ 10,108
May	3,963	\$2.6970	\$ 10,688	3,963	\$0.6150	\$ 2,437	3,963	\$1.5000	\$ 5,945	\$ 8,382
June	5,731	\$2.6970	\$ 15,457	5,731	\$0.6150	\$ 3,525	5,731	\$1.5000	\$ 8,597	\$ 12,121
July	4,839	\$2.6970	\$ 13,051	4,839	\$0.6150	\$ 2,976	4,839	\$1.5000	\$ 7,259	\$ 10,234
August	6,052	\$2.6970	\$ 16,322	6,052	\$0.6150	\$ 3,722	6,052	\$1.5000	\$ 9,078	\$ 12,800
September	4,428	\$2.6970	\$ 11,942	4,428	\$0.6150	\$ 2,723	4,428	\$1.5000	\$ 6,642	\$ 9,365
October	4,719	\$2.6970	\$ 12,727	4,719	\$0.6150	\$ 2,902	4,719	\$1.5000	\$ 7,079	\$ 9,981
November	5,464	\$2.6970	\$ 14,736	5,464	\$0.6150	\$ 3,360	5,464	\$1.5000	\$ 8,196	\$ 11,556
December	6,854	\$2.6970	\$ 18,485	6,854	\$0.6150	\$ 4,215	6,854	\$1.5000	\$10,281	\$ 14,496
<b>Total</b>	65,708	\$2.6970	\$177,214	65,825	\$0.6150	\$40,482	65,825	\$1.5000	\$98,738	\$139,220

### Total

Month	Network			Line Connection			Line Transformation			Total Line
	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Units Billed	Rate	Amount	Amount
January	6,862	\$2.6970	\$ 18,507	6,862	\$0.6150	\$ 4,220	6,862	\$1.5000	\$10,293	\$ 14,513
February	6,326	\$2.6970	\$ 17,061	6,326	\$0.6150	\$ 3,890	6,326	\$1.5000	\$ 9,489	\$ 13,379
March	5,691	\$2.6970	\$ 15,349	5,808	\$0.6150	\$ 3,572	5,808	\$1.5000	\$ 8,712	\$ 12,284
April	4,779	\$2.6970	\$ 12,889	4,779	\$0.6150	\$ 2,939	4,779	\$1.5000	\$ 7,169	\$ 10,108
May	3,963	\$2.6970	\$ 10,688	3,963	\$0.6150	\$ 2,437	3,963	\$1.5000	\$ 5,945	\$ 8,382
June	5,731	\$2.6970	\$ 15,457	5,731	\$0.6150	\$ 3,525	5,731	\$1.5000	\$ 8,597	\$ 12,121
July	4,839	\$2.6970	\$ 13,051	4,839	\$0.6150	\$ 2,976	4,839	\$1.5000	\$ 7,259	\$ 10,234
August	6,052	\$2.6970	\$ 16,322	6,052	\$0.6150	\$ 3,722	6,052	\$1.5000	\$ 9,078	\$ 12,800
September	4,428	\$2.6970	\$ 11,942	4,428	\$0.6150	\$ 2,723	4,428	\$1.5000	\$ 6,642	\$ 9,365
October	4,719	\$2.6970	\$ 12,727	4,719	\$0.6150	\$ 2,902	4,719	\$1.5000	\$ 7,079	\$ 9,981
November	5,464	\$2.6970	\$ 14,736	5,464	\$0.6150	\$ 3,360	5,464	\$1.5000	\$ 8,196	\$ 11,556
December	6,854	\$2.6970	\$ 18,485	6,854	\$0.6150	\$ 4,215	6,854	\$1.5000	\$10,281	\$ 14,496
<b>Total</b>	65,708	\$2.6970	\$177,214	65,825	\$0.6150	\$40,482	65,825	\$1.5000	\$98,738	\$139,220



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Version :** 1.0

## Adjust RTSR-Network to Current Network Wholesale

The purpose of this sheet is to re-align current RTSR-Network to recover current wholesale Network costs.

Rate Class	Vol Metric	Current RTSR - Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR - Network
		(A) Column H Sheet B1.1	(B) Column O Sheet B1.2	(C) Column I Sheet B1.2	(D) = (A) * (B) or (A) * (C)	(F) = (D) / (E)	(H) = (G) * (F)	(I) = (H) / (B) or (H) / (C)
Residential	kWh	\$ 0.0051	21,104,092	0	\$ 107,631	70.07%	\$ 124,169	\$ 0.0059
General Service Less Than 50 kW	kWh	\$ 0.0047	4,547,799	0	\$ 21,375	13.91%	\$ 24,659	\$ 0.0054
General Service 50 to 4,999 kW	kW	\$ 1.8771	4,383,768	12,095	\$ 22,704	14.78%	\$ 26,192	\$ 2.1655
Unmetered Scattered Load	kWh	\$ 0.0047	98,042	0	\$ 461	0.30%	\$ 532	\$ 0.0054
Street Lighting	kW	\$ 1.4158	372,022	1,018	\$ 1,441	0.94%	\$ 1,663	\$ 1.6333
			30,505,723	13,113	\$ 153,611	100.00%	\$ 177,214	
					(E)		(G) Cell G73 Sheet C1.2	



Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: EB-2010-0077  
Version : 1.0

## Adjust RTSR-Connection to Current Connection Wholesale

The purpose of this sheet is to re-align current RTSR-Connection to recover current wholesale Connection costs.

Rate Class	Vol Metric	Current RTSR - Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Current Wholesale Billing	Adjusted RTSR - Connection
		(A) Column J Sheet B1.1	(B) Column O Sheet B1.2	(C) Column I Sheet B1.2	(D) = (A) * (B) or (A) * (C)	(F) = (D) / (E)	(H) = (G) * (F)	(I) = (H) / (B) or (H) / (C)
Residential	kWh	\$ 0.0046	21,104,092	0	\$ 97,079	70.80%	\$ 98,568	\$ 0.0047
General Service Less Than 50 kW	kWh	\$ 0.0041	4,547,799	0	\$ 18,646	13.60%	\$ 18,932	\$ 0.0042
General Service 50 to 4,999 kW	kW	\$ 1.6294	4,383,768	12,095	\$ 19,708	14.37%	\$ 20,010	\$ 1.6544
Unmetered Scattered Load	kWh	\$ 0.0041	98,042	0	\$ 402	0.29%	\$ 408	\$ 0.0042
Street Lighting	kW	\$ 1.2597	372,022	1,018	\$ 1,282	0.94%	\$ 1,302	\$ 1.2790
			30,505,723	13,113	\$ 137,117	100.00%	\$ 139,220	
					(E)		(G) Cell Q73 Sheet C1.2	



Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: EB-2010-0077  
Version : 1.0

## Adjust RTSR-Network to Forecast Network Wholesale

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

Rate Class	Vol Metric	Adjusted RTSR - Network	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR - Network
		(A) Column S Sheet D1.1	(B) Column O Sheet B1.2	(C) Column I Sheet B1.2	(D) = (A) * (B) or (A) * (C)	(F) = (D) / (E)	(H) = (G) * (F)	(I) = (H) / (B) or (H) / (C)
Residential	kWh	\$ 0.0059	21,104,092	0	\$ 124,169	70.07%	\$ 124,169	\$ 0.005884
General Service Less Than 50 kW	kWh	\$ 0.0054	4,547,799	0	\$ 24,659	13.91%	\$ 24,659	\$ 0.005422
General Service 50 to 4,999 kW	kW	\$ 2.1655	4,383,768	12,095	\$ 26,192	14.78%	\$ 26,192	\$ 2.165529
Unmetered Scattered Load	kWh	\$ 0.0054	98,042	0	\$ 532	0.30%	\$ 532	\$ 0.005422
Street Lighting	kW	\$ 1.6333	372,022	1,018	\$ 1,663	0.94%	\$ 1,663	\$ 1.633347
			30,505,723	13,113	\$ 177,214	100.00%	\$ 177,214	
					(E)	Cell G73 Sheet C1.3		



Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: EB-2010-0077  
Version : 1.0

## Adjust RTSR-Connection to Forecast Connection Wholesale

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

Rate Class	Vol Metric	Adjusted RTSR - Connection	Loss Adjusted Billed kWh	Billed kW	Billed Amount	Billed Amount %	Forecast Wholesale Billing	Proposed RTSR - Connection
		(A) Column S Sheet D1.2	(B) Column O Sheet B1.2	(C) Column I Sheet B1.2	(D) = (A) * (B) or (A) * (C)	(F) = (D) / (E)	(H) = (G) * (F)	(I) = (H) / (B) or (H) / (C)
Residential	kWh	\$ 0.0047	21,104,092	0	\$ 98,568	70.80%	\$ 98,568	\$ 0.0047
General Service Less Than 50 kW	kWh	\$ 0.0042	4,547,799	0	\$ 18,932	13.60%	\$ 18,932	\$ 0.0042
General Service 50 to 4,999 kW	kW	\$ 1.6544	4,383,768	12,095	\$ 20,010	14.37%	\$ 20,010	\$ 1.6544
Unmetered Scattered Load	kWh	\$ 0.0042	98,042	0	\$ 408	0.29%	\$ 408	\$ 0.0042
Street Lighting	kW	\$ 1.2790	372,022	1,018	\$ 1,302	0.94%	\$ 1,302	\$ 1.2790
			30,505,723	13,113	\$ 139,220	100.00%	\$ 139,220	
					(E)		Cell Q73 Sheet C1.3	



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077

## 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 H Sheet B1.1	(B) Column S Sheet E1.1	C = B - A
Residential	kWh	0.0051	0.0059	0.000784
General Service Less Than 50 kW	kWh	0.0047	0.0054	0.000722
General Service 50 to 4,999 kW	kW	1.8771	2.1655	0.288429
Unmetered Scattered Load	kWh	0.0047	0.0054	0.000722
Street Lighting	kW	1.4158	1.6333	0.217547

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



Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: EB-2010-0077

## IRM RTSR Adjustment Calculation - Connection

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

Rate Class	Vol Metric	Current RTSR - Connection	Proposed RTSR - Connection	RTSR - Connection Adjustment
		(A) Column J Sheet B1.1	(B) Column S Sheet E1.2	C = B - A
Residential	kWh	0.0046	0.0047	0.000071
General Service Less Than 50 kW	kWh	0.0041	0.0042	0.000063
General Service 50 to 4,999 kW	kW	1.6294	1.6544	0.024992
Unmetered Scattered Load	kWh	0.0041	0.0042	0.000063
Street Lighting	kW	1.2597	1.2790	0.019322

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





Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: EB-2010-0077  
Effective Date: May 1, 2011  
Version : 2.0

## LDC Information

<b>Applicant Name</b>	Cooperative Hydro Embrun Inc.
<b>OEB Application Number</b>	EB-2010-0077
<b>LDC Licence Number</b>	ED-2002-0493
<b>Applied for Effective Date</b>	May 1, 2011
<b>Last COS Re-based Year</b>	2010
<b>Last COS OEB Application Number</b>	EB-2009-0132
<b>Billing Determinants</b>	2010 COS Forecast
<b>Global Adjustment Elections</b>	
<b>Global Adjustment Recovery Separate Distribution Charge</b>	Yes
<b>Global Adjustment Recovery as Electricity Component</b>	No



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Effective Date:** May 1, 2011  
**Version :** 2.0

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<a href="#">A2.1 Table of Contents</a>	Table of Contents
<a href="#">A3.1 Sheet Selection</a>	Set up worksheets for data input
<a href="#">B1.1 2006 Reg Assets</a>	2006 Regulatory Asset Recovery
<a href="#">B1.2 2006 Reg Ass Prop Shr</a>	2006 Regulatory Asset Recovery Proportionate Share
<a href="#">B1.3 Rate Class And Bill Det</a>	Rate Class and 2008 Billing Determinants
<a href="#">C1.0 2006 Reg Asset Recovery</a>	Regulatory Assets - 2006 Regulatory Asset Recovery
<a href="#">C1.1 2008 Transfer to 1595 COS</a>	2008 Board Approved Transfer of 2006 Deferral/Variance accounts to 1595 COS
<a href="#">C1.2 2009 Transfer to 1595 COS</a>	2009 Board Approved Transfer of 2007 Deferral/Variance accounts to 1595 COS
<a href="#">C1.3 2010 Transfer to 1595 COS</a>	2010 Board Approved Transfer of 2008 Deferral/Variance accounts to 1595 COS
<a href="#">C1.4 2010 Transfer to 1595 IRM</a>	2011 Board Approved Transfer of 2008 Deferral/Variance accounts to 1595 IRM
<a href="#">D1.1 Def Var - Cont Sch 2005</a>	Deferral Variance - Continuity Schedule 2005
<a href="#">D1.2 Def Var - Cont Sch 2006</a>	Deferral Variance - Continuity Schedule 2006
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<a href="#">G1.2 Request for Clearance</a>	Request for Clearance of Deferral and Variance Accounts



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Effective Date:** May 1, 2011  
**Version :** 2.0

## Rate Class and Billing Determinants

### 2010 COS Forecast

Rate Group	Rate Class	Fixed Metric	Vol Metric	Metered kWh	Metered kW	Billed kWh for Non-RPP customers
RES	Residential	Customer	kWh	19,657,452		2,972,720
GSLT50	General Service Less Than 50 kW	Customer	kWh	4,976,291		169,575
GSGT50	General Service 50 to 4,999 kW	Customer	kW	4,387,835	12,779	1,309,830
USL	Unmetered Scattered Load	Connection	kWh	93,536		0
SL	Street Lighting	Connection	kW	388,274	1,066	0
NA	Rate Class 6	NA	NA			
NA	Rate Class 7	NA	NA			
NA	Rate Class 8	NA	NA			
NA	Rate Class 9	NA	NA			
NA	Rate Class 10	NA	NA			
NA	Rate Class 11	NA	NA			
NA	Rate Class 12	NA	NA			
NA	Rate Class 13	NA	NA			
NA	Rate Class 14	NA	NA			
NA	Rate Class 15	NA	NA			
NA	Rate Class 16	NA	NA			
NA	Rate Class 17	NA	NA			
NA	Rate Class 18	NA	NA			
NA	Rate Class 19	NA	NA			
NA	Rate Class 20	NA	NA			
NA	Rate Class 21	NA	NA			
NA	Rate Class 22	NA	NA			
NA	Rate Class 23	NA	NA			
NA	Rate Class 24	NA	NA			
NA	Rate Class 25	NA	NA			
						4,452,125



Name of LDC: Cooperative Hydro Emburum Inc.  
File Number: EB-2010-0077  
Effective Date: May 1, 2011  
Version : 2.0

## 2010 Board Approved Transfer of 2008 Deferral/Variance accounts to 1595 COS

CEB Decision EB-2009-0112

Disposition Recovery Sunset Date

April 30, 2011

Rate Rider Recovery Complete and 1595 Balance Eligible for Residual Disposition

No

Account Description	Account Number	Principal Amounts	Interest Amount	Total Balance
<strong>Group 1 Accounts</strong>				
LV Variance Account	1500	(10,750.00)	(900.00)	(11,550.00)
RDVA - Wholesale Market Service Charge	1500	(8,300.00)	(7,000.00)	(15,300.00)
RDVA - Retail Transmission Network Charge	1504	26,741.00	1,500.00	27,701.00
RDVA - Retail Transmission Connection Charge	1505	42,000.00	2,771.00	44,771.00
RDVA - Power (Excluding Global Adjustment)	1508	(71,837.00)	(19,001.00)	(90,838.00)
RDVA - Power (Global Adjustment Sub-account) - when not a separate rate rider	1509	(7,170.00)	(7,310.00)	(14,480.00)
Recovery of Regulatory Asset Balances	1500	96,851.00	(73,200.00)	23,643.00
<strong>Sub-Total - Group 1 Accounts</strong>				
		87,162.00	(91,806.00)	(24,774.00)
<strong>Group 2 Accounts</strong>				
Other Regulatory Assets - Sub-Account - CEB Cost Assessments	1508	(2,852.00)	(579.00)	(3,431.00)
Other Regulatory Assets - Sub-Account - Pension Contributions	1508	0.00	0.00	0.00
Other Regulatory Assets - Sub-Account Deferred FRS Transition Costs	1508	0.00	0.00	0.00
Other Regulatory Assets - Sub-Account - Other	1508	0.00	0.00	0.00
Other Regulatory Assets - Sub-Account - Other	1518	0.00	0.00	0.00
Retail Cost Variance Account - Retail	1548	0.00	0.00	0.00
Retail Cost Variance Account - STR	1549	0.00	0.00	0.00
Renewable Connection Capital Deferral Account	1531	0.00	0.00	0.00
Renewable Connection CMAA Deferral Account	1532	0.00	0.00	0.00
Smart Grid CMAA Deferral Account	1534	0.00	0.00	0.00
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital - when not a separate rate rider	1505	0.00	0.00	0.00
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries - when not a separate rate rider	1505	0.00	0.00	0.00
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Standard Meter Costs - when not a separate rate rider	1505	0.00	0.00	0.00
Smart Meter CMAA Variance - when not a separate rate rider	1506	0.00	0.00	0.00
Conservation and Demand Management Expenditures and Recoveries	1506	(8,971.00)	0.00	(8,971.00)
CDM Credits	1506	8,971.00	0.00	8,971.00
Qualifying Transition Costs	1570	0.00	0.00	0.00
Pre-Market Opening Energy Variances Total	1571	0.00	0.00	0.00
Extra Delivery Event Costs	1572	0.00	0.00	0.00
Deferred Rate Impact Amounts	1574	0.00	0.00	0.00
RDVA - One-time Wholesale Market Service	1562	0.00	0.00	0.00
Other Deferred Credits	2425	0.00	0.00	0.00
<strong>Sub-Total - Group 2 Accounts</strong>				
		(2,852.00)	(579.00)	(3,431.00)
<strong>Disposition and recovery of Regulatory Balances Account</strong>				
	1505	(84,310.00)	92,515.00	28,205.00
<strong>Rate Rider Recovery</strong>				
Deferral Variance Recovery May 1, 2010 to December 31, 2010	1505	0.00	0.00	0.00
Deferral Variance Recovery Jan 1, 2011 to December 31, 2011	1505	0.00	0.00	0.00
Deferral Variance Recovery Jan 1, 2012 to December 31, 2012	1505	0.00	0.00	0.00
Deferral Variance Recovery Jan 1, 2013 to December 31, 2013	1505	0.00	0.00	0.00
Deferral Variance Recovery Jan 1, 2014 to December 31, 2014	1505	0.00	0.00	0.00
Deferral Variance Recovery Jan 1, 2015 to December 31, 2015	1505	0.00	0.00	0.00
<strong>Balance of Disposition and recovery of Regulatory Balances Account</strong>				
	1505	(84,310.00)	92,515.00	28,205.00

## Smart Meter Recovery as a separate Rate Rider

Smart Meter Recovery Sunset Date

April 30, 2011

Rate Rider Recovery Complete and 1595 Balance Eligible for Residual Disposition

No

Account Description	Account Number	Principal Amounts	Interest Amount	Total Balance
<strong>Smart Meter Capital and Recovery Offset Variance - Sub-Account - Capital - when a separate rate rider</strong>				
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Recoveries - when a separate rate rider	1505	0.00	0.00	0.00
Smart Meter Capital and Recovery Offset Variance - Sub-Account - Standard Meter Costs - when a separate rate rider	1505	0.00	0.00	0.00
Smart Meter CMAA Variance - when a separate rate rider	1506	0.00	0.00	0.00
<strong>Disposition and recovery of Smart Meter Balances Account</strong>				
	1505	0.00	0.00	0.00
<strong>Rate Rider Recovery</strong>				
Smart Meter Recovery May 1, 2010 to December 31, 2010	1505	0.00	0.00	0.00
Smart Meter Recovery Jan 1, 2011 to December 31, 2011	1505	0.00	0.00	0.00
Smart Meter Recovery Jan 1, 2012 to December 31, 2012	1505	0.00	0.00	0.00
Smart Meter Recovery Jan 1, 2013 to December 31, 2013	1505	0.00	0.00	0.00
Smart Meter Recovery Jan 1, 2014 to December 31, 2014	1505	0.00	0.00	0.00
Smart Meter Recovery Jan 1, 2015 to December 31, 2015	1505	0.00	0.00	0.00
<strong>Balance of Disposition and recovery of Smart Meter Balances Account</strong>				
	1505	0.00	0.00	0.00

## Global Adjustment as a separate Rate Rider

Global Adjustment Recovery Sunset Date

April 30, 2011

Rate Rider Recovery Complete and 1595 Balance Eligible for Residual Disposition

No

Account Description	Account Number	Principal Amounts	Interest Amount	Total Balance
<strong>RDVA - Power (Global Adjustment Sub-account) - when a separate rate rider</strong>				
	1509	0.00	0.00	0.00
<strong>Disposition and recovery of Regulatory Balances Account</strong>				
	1505	0.00	0.00	0.00
<strong>Rate Rider Recovery</strong>				
Deferral Variance Recovery May 1, 2010 to December 31, 2010	1505	0.00	0.00	0.00
Deferral Variance Recovery Jan 1, 2011 to December 31, 2011	1505	0.00	0.00	0.00
Deferral Variance Recovery Jan 1, 2012 to December 31, 2012	1505	0.00	0.00	0.00
Deferral Variance Recovery Jan 1, 2013 to December 31, 2013	1505	0.00	0.00	0.00
Deferral Variance Recovery Jan 1, 2014 to December 31, 2014	1505	0.00	0.00	0.00
Deferral Variance Recovery Jan 1, 2015 to December 31, 2015	1505	0.00	0.00	0.00
<strong>Balance of Disposition and recovery of Regulatory Balances Account</strong>				
	1505	0.00	0.00	0.00

Sunset Date

April 30, 2011

April 30, 2012

April 30, 2013

April 30, 2014

April 30, 2015

Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: EB-2010-0077  
Effective Date: May 1, 2011  
Version : 2.0

Deferral Variance - Continuity Schedule 2009

Account Description	Account Number	Opening Principal Amounts as of Jan-1-09	Transactions (additions) during 2009, excluding interest and adjustments <sup>1</sup>	Transactions (reductions) during 2009, excluding interest and adjustments <sup>1</sup>	Adjustments during 2009 - instructed by Board <sup>2</sup>	Adjustments during 2009 - other <sup>3</sup>	Transfer Residual Amount of USoA 1595	Closing Principal Balance as of Dec-31-09	Opening Interest Amounts as of Jan-1-09	Interest Jan-1 to Dec31-09	Transfer of Board-approved 2007 interest amounts to 1595 (2009 COS)	Closing Interest Amounts as of Dec-31-09
LV Variance Account	1550	0	10,012					10,012	0	585		585
RSVA - Wholesale Market Service Charge	1580	0		(25,938 )				(25,938 )	0	56		56
RSVA - Retail Transmission Network Charge	1584	0		(14,152 )				(14,152 )	0	(341 )		(341 )
RSVA - Retail Transmission Connection Charge	1586	0		(22,898 )				(22,898 )	0	(559 )		(559 )
RSVA - Power (Excluding Global Adjustment)	1588	0	22,370					22,370	0	986		986
RSVA - Power (Global Adjustment Sub-account)	1588	0	25,829					25,829	0	159		159
Recovery of Regulatory Asset Balances	1590	0						0	0	(1,102 )		(1,102 )
Residual Balance Disposition and recovery of Def/Var Balances Account (2008)	1595	0					0	0	0		0	0
Total		0	58,211	(62,988 )	0	0	0	(4,777 )	0	(216 )	0	(216 )

<sup>1</sup> For RSVA accounts only, report the net additions to the account during the year. For all other accounts, record the additions and reductions separately.  
<sup>2</sup> Provide supporting evidence i.e. Board Decision, CRO Order, etc.  
<sup>3</sup> Provide supporting statement indicating nature of this adjustments and periods they relate to  
<sup>4</sup> This records the values of amounts removed from Group One accounts in previous proceedings; but does not enter offsets for disposition of 1590, as recovery has not been completed.

**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Effective Date:** May 1, 2011  
**Version :** 2.0

## Deferral Variance - Continuity Schedule Final

Account Description	Account Number	Opening Principal Amounts as of Jan-1-10 A	Adjustments - Please explain B	Principal Amounts to be disposed C = A + B	Opening Interest Amounts as of Jan-1-10 D	Interest on Board-approved 2008 amounts prior to transfer Jan-1, 2010 to Date of Transfer E	Adjustments - Please explain F	Projected Interest on Dec 31 -09 balance from Jan 1, 2010 to Dec 31, 2010 G	Projected Interest on Dec 31 -09 balance from Jan 1, 2011 to April 30, 2011 H	Interest Amounts to be disposed I = D + E + F + G + H
LV Variance Account	1550	10,012		10,012	585			72	29	687
RSVA - Wholesale Market Service Charge	1580	(25,938 )		(25,938 )	56			(187 )	(76 )	(207 )
RSVA - Retail Transmission Network Charge	1584	(14,152 )		(14,152 )	(341 )			(102 )	(41 )	(485 )
RSVA - Retail Transmission Connection Charge	1586	(22,898 )		(22,898 )	(559 )			(165 )	(67 )	(791 )
RSVA - Power (Excluding Global Adjustment)	1588	22,370		22,370	986			161	65	1,213
RSVA - Power (Global Adjustment Sub-account)		25,829		25,829	159			186	76	421
Recovery of Regulatory Asset Balances	1590	0		0	(1,102 )			0	0	(1,102 )
Residual Balance Disposition and recovery of Def/Var Balances Account (2008)	1595	0		0	0			0	0	0
Total		(4,777 )	0	(4,777 )	(216 )	0	0	(34 )	(14 )	(264 )

Interest projected on December 31, 2009 closing principal balance.

Month	Prescribed Rate	Monthly Interest	Month	Prescribed Rate	Monthly Interest
January 31, 2010	0.55	0.0467	January 31, 2011	0.89	0.0756
February 28, 2010	0.55	0.0422	February 28, 2011	0.89	0.0683
March 31, 2010	0.55	0.0467	March 31, 2011	0.89	0.0756
April 30, 2010	0.55	0.0452	April 30, 2011	0.89	0.0732
May 31, 2010	0.55	0.0467	Effective Rate		0.2926
June 30, 2010	0.55	0.0452			
July 31, 2010	0.89	0.0756			
August 31, 2010	0.89	0.0756			
September 30, 2010	0.89	0.0732			
October 31, 2010	0.89	0.0756			
November 30, 2010	0.89	0.0732			
December 31, 2010	0.89	0.0756			
Effective Rate		0.7214			



**Name of LDC:** Cooperative Hydro Embrun  
**File Number:** EB-2010-0077  
**Effective Date:** May 1, 2011  
**Version :** 2.0

## Threshold Test

Rate Class	Billed kWh B
Residential	19,657,452
General Service Less Than 50 kW	4,976,291
General Service 50 to 4,999 kW	4,387,835
Unmetered Scattered Load	93,536
Street Lighting	388,274
	<u>29,503,388</u>
Total Claim	(5,041 )
Total Claim per kWh	- 0.000171



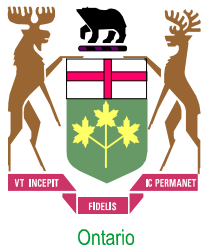
**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Effective Date:** May 1, 2011  
**Version :** 2.0

## Cost Allocation - kWh

Rate Class	Billed kWh	% kWh	1550	1580	1584	1586	1588 <sup>1</sup>	Total
Residential	19,657,452	66.6%	7,128	(17,420 )	(9,752 )	(15,784 )	15,713	(20,114 )
General Service Less Than 50 kW	4,976,291	16.9%	1,805	(4,410 )	(2,469 )	(3,996 )	3,978	(5,092 )
General Service 50 to 4,999 kW	4,387,835	14.9%	1,591	(3,888 )	(2,177 )	(3,523 )	3,507	(4,490 )
Unmetered Scattered Load	93,536	0.3%	34	(83 )	(46 )	(75 )	75	(96 )
Street Lighting	388,274	1.3%	141	(344 )	(193 )	(312 )	310	(397 )
	<u>29,503,388</u>	<u>100.0%</u>	<u>10,699</u>	<u>(26,145 )</u>	<u>(14,637 )</u>	<u>(23,689 )</u>	<u>23,583</u>	<u>(30,189 )</u>
			-	-	-	-	-	-

<sup>1</sup> RSVA - Power (Excluding Global Adjustment)





**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Effective Date:** May 1, 2011  
**Version :** 2.0

## Cost Allocation - Non-RPP kWh

Rate Class	Non-RPP kWh	% kWh	1588 <sup>1</sup>
Residential	2,972,720	66.8%	17,527
General Service Less Than 50 kW	169,575	3.8%	1,000
General Service 50 to 4,999 kW	1,309,830	29.4%	7,723
Unmetered Scattered Load	0	0.0%	0
Street Lighting	0	0.0%	0
	<b>4,452,125</b>	<b>100.0%</b>	<b>26,250</b>

<sup>1</sup> RSVA - Power (Global Adjustment Sub-account)



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** EB-2010-0077  
**Effective Date:** May 1, 2011  
**Version :** 2.0

## Calculation of Deferral Variance Recovery Rate Rider without Global Adjustment

Rate Rider Recovery Period - Years

One

Rate Rider Effective To Date

April 30, 2012

Rate Class	Vol Metric	Billed kWh A	Billed kW B	Accounts Allocated by kWh C	Accounts Allocated by Non-RPP kWh D	Account 1590 E	Account 1595 F	Total G = C + D + E + F	Rate Rider kWh H = G / A (kWh) or H = G / B (kW)
Residential	kWh	19,657,452	0	(20,114 )	0	0	0	(20,114 )	(0.00102)
General Service Less Than 50 kW	kWh	4,976,291	0	(5,092 )	0	0	0	(5,092 )	(0.00102)
General Service 50 to 4,999 kW	kW	4,387,835	12,779	(4,490 )	0	0	0	(4,490 )	(0.35135)
Unmetered Scattered Load	kWh	93,536	0	(96 )	0	0	0	(96 )	(0.00102)
Street Lighting	kW	388,274	1,066	(397 )	0	0	0	(397 )	(0.37270)
		<u>29,503,388</u>	<u>13,845</u>	<u>(30,189 )</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>(30,189 )</u>	

Enter the above value onto Sheet  
 "J2.2 Def Var Disp 2011"  
 of the 2011 OEB IRM2 Rate Generator  
 "J2.4 Def Var Disp 2011"  
 of the 2011 OEB IRM3 Rate Generator



Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: EB-2010-0077  
Effective Date: May 1, 2011  
Version : 2.0

## Calculation of Delivery Component Global Adjustment Rate Rider

Rate Rider Recovery Period - Years

One

Rate Rider Effective To Date

April 30, 2012

Rate Class	Vol Metric	Non-RPP kWh A	Estimated Non- RPP Billed kW B	Accounts Allocated by kWh C	Accounts Allocated by Non-RPP kWh D	Account 1590 E	Account 1595 F	Total G = C + D + E + F	Rate Rider kWh H = G / A (kWh) or H = G / B (kW)
Residential	kWh	2,972,720	0	0	17,527	0	0	17,527	0.00590
General Service Less Than 50 kW	kWh	169,575	0	0	1,000	0	0	1,000	0.00590
General Service 50 to 4,999 kW	kW	1,309,830	3,815	0	7,723	0	0	7,723	2.02433
Unmetered Scattered Load	kWh	0	0	0	0	0	0	0	0.00000
Street Lighting	kW	0	0	0	0	0	0	0	0.00000
		4,452,125	3,815	0	26,250	0	0	26,250	

Enter the above value onto Sheet  
"J3.31 Global Adjust Del 2011"  
of the 2011 OEB IRM Rate Generator



Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: IRM3  
Effective Date: May 1, 2011  
Version : 1.0

## LDC Information

<b>Applicant Name</b>	Cooperative Hydro Embrun Inc.
<b>OEB Application Number</b>	IRM3
<b>LDC Licence Number</b>	ED-2002-0493
<b>Applied for Effective Date</b>	May 1, 2011
<b>Last COS Re-based Year</b>	2010
<b>Last COS OEB Application Number</b>	EB-2009-0132



Ontario

**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** IRM3  
**Effective Date:** May 1, 2011  
**Version :** 1.0

## Table of Contents

### Sheet Name

[A1.1 LDC Information](#)

[A2.1 Table of Contents](#)

[B1.1 Re-Based Bill Det & Rates](#)

[B1.3 Re-Based Rev From Rates](#)

[F1.1 Z-Factor Tax Changes](#)

[F1.3 Calc Tax Chg RRider Var](#)

### Purpose of Sheet

Enter LDC Data

Table of Contents

Set Up Rate Classes and enter Re-Based Billing Determinants and Tariff Rates

Calculated Re-Based Revenue From Rates

Sharing formula for Tax changes - this is very preliminary

Option B - Calculation of Tax Sharing Rate Rider - Volumetric Allocation



Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: IRM3  
Effective Date: May 1, 2011  
Version : 1.0

## Rate Class and Re-Based Billing Determinants & Rates

Last COS Re-based Year				2010					
Last COS OEB Application Number				EB-2009-0132					
Rate Group	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
RES	Residential	Customer	kWh	1,834	19,657,452		12.88	0.0120	
GSLT50	General Service Less Than 50 kW	Customer	kWh	162	4,976,291		20.02	0.0166	
GSGT50	General Service 50 to 4,999 kW	Customer	kW	12	4,387,835	12,779	241.54		4.4752
USL	Unmetered Scattered Load	Connection	kWh	20	93,536		52.55	0.0137	
SL	Street Lighting	Connection	kW	407	388,274	1,066	1.86		7.5527
NA	Rate Class 6	NA	NA						
NA	Rate Class 7	NA	NA						
NA	Rate Class 8	NA	NA						
NA	Rate Class 9	NA	NA						
NA	Rate Class 10	NA	NA						
NA	Rate Class 11	NA	NA						
NA	Rate Class 12	NA	NA						
NA	Rate Class 13	NA	NA						
NA	Rate Class 14	NA	NA						
NA	Rate Class 15	NA	NA						
NA	Rate Class 16	NA	NA						
NA	Rate Class 17	NA	NA						
NA	Rate Class 18	NA	NA						
NA	Rate Class 19	NA	NA						
NA	Rate Class 20	NA	NA						
NA	Rate Class 21	NA	NA						
NA	Rate Class 22	NA	NA						
NA	Rate Class 23	NA	NA						
NA	Rate Class 24	NA	NA						
NA	Rate Class 25	NA	NA						



**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** IRM3  
**Effective Date:** May 1, 2011  
**Version :** 1.0

## Calculated Re-Based Revenue From Rates

Last COS Re-based Year **2010**

Last COS OEB Application Number **EB-2009-0132**

Rate Class	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	Service Charge Revenue G = A * D * 12	Distribution Volumetric Rate Revenue kWh H = B * E	Distribution Volumetric Rate Revenue kW I = C * F	Revenue Requirement from Rates J = G + H + I
Residential	1,834	19,657,452	0	12.88	0.0120	0.0000	283,438	236,463	0	519,901
General Service Less Than 50 kW	162	4,976,291	0	20.02	0.0166	0.0000	38,919	82,606	0	121,525
General Service 50 to 4,999 kW	12	4,387,835	12,779	241.54	0.0000	4.4752	34,782	0	57,189	91,970
Unmetered Scattered Load	20	93,536	0	52.55	0.0137	0.0000	12,612	1,285	0	13,897
Street Lighting	407	388,274	1,066	1.86	0.0000	7.5527	9,085	0	8,051	17,136
							378,835	320,355	65,240	764,430



Name of LDC: Cooperative Hydro Embrun Inc.  
File Number: IRM3  
Effective Date: May 1, 2011  
Version : 1.0

## Z-Factor Tax Changes

### Summary - Sharing of Tax Change Forecast Amounts

#### 1. Tax Related Amounts Forecast from Capital Tax Rate Changes

	2010	2011	2012
Taxable Capital	\$ 2,431,027	\$ 2,431,027	\$ 2,431,027
Deduction from taxable capital up to \$15,000,000	\$ 15,000,000	\$ 15,000,000	\$ 15,000,000
Net Taxable Capital	-\$ 12,568,973	-\$ 12,568,973	-\$ 12,568,973
Rate	0.150%	0.000%	0.000%
Ontario Capital Tax (Deductible, not grossed-up)	\$ -	\$ -	\$ -

#### 2. Tax Related Amounts Forecast from Income Tax Rate Changes

	2010	2011	2012
Regulatory Taxable Income	\$ 108,318	\$ 108,318	\$ 108,318
Corporate Tax Rate	16.00%	15.50%	15.50%
Tax Impact	\$ 17,331	\$ 16,789	\$ 16,789
Grossed-up Tax Amount	\$ 20,632	\$ 19,869	\$ 19,869

Tax Related Amounts Forecast from Capital Tax Rate Changes	\$ -	\$ -	\$ -
Tax Related Amounts Forecast from Income Tax Rate Changes	\$ 20,632	\$ 19,869	\$ 19,869
Total Tax Related Amounts	\$ 20,632	\$ 19,869	\$ 19,869
Incremental Tax Savings		-\$ 763	-\$ 763
Sharing of Tax Savings (50%)		-\$ 382	-\$ 382





**Name of LDC:** Cooperative Hydro Embrun Inc.  
**File Number:** IRM3  
**Effective Date:** May 1, 2011  
**Version :** 1.0

## Calculate Tax Change Rate Rider Volumetric

Rate Class	Total Revenue \$ by Rate Class A	Total Revenue % by Rate Class B = A / \$H	Total Z-Factor Tax Change\$ by Rate Class C = \$I * B	Billed kWh D	Billed kW E	Distribution Volumetric Rate kWh Rate Rider F = C / D	Distribution Volumetric Rate kW Rate Rider G = C / E
Residential	\$519,901.4700	68.01%	-\$259	19,657,452	0	\$0.0000	
General Service Less Than 50 kW	\$121,525	15.90%	-\$61	4,976,291	0	\$0.0000	
General Service 50 to 4,999 kW	\$91,970	12.03%	-\$46	4,387,835	12,779		-\$0.0036
Unmetered Scattered Load	\$13,897	1.82%	-\$7	93,536	0	-\$0.0001	
Street Lighting	\$17,136	2.24%	-\$9	388,274	1,066		-\$0.0080
	<b>\$764,430</b>	<b>100.00%</b>	<b>-\$382</b>				
	<b>H</b>		<b>I</b>				

Enter the above value onto Sheet  
"J2.7 Tax Change Rate Rider"  
of the 2011 IRM3 Rate Generator.