



Ontario  
Energy  
Board | Commission  
de l'énergie  
de l'Ontario

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# **DECISION AND RATE ORDER**

**EB-2020-0011**

## **COOPERATIVE HYDRO EMBRUN INC.**

**Application for rates and other charges to be effective January 1, 2021**

**By Delegation, Before: Theodore Antonopoulos**

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**December 17, 2020**

## 1 INTRODUCTION AND SUMMARY

Through this Decision and Rate Order, the Ontario Energy Board (OEB) approves the incentive rate-setting mechanism (IRM) application filed by Cooperative Hydro Embrun Inc. (Cooperative Hydro Embrun) for new rates effective January 1, 2021.

Cooperative Hydro Embrun serves approximately 2,400 mostly residential and commercial electricity customers in the Town of Embrun. The company is seeking the OEB's approval for the rates it charges to distribute electricity to its customers, as is required of licensed and rate-regulated distributors in Ontario.

A distributor may choose one of three rate-setting methodologies approved by the OEB. Each of these is explained in the [Handbook for Utility Rate Applications](#).

Cooperative Hydro Embrun's application is based on a Price Cap Incentive Rate-setting option (Price Cap IR), with a five-year term. The Price Cap IR option involves the setting of rates through a cost of service application in the first year. Mechanistic price cap adjustments, based on inflation and the OEB's assessment of the distributor's efficiency, are typically then approved through IRM applications in each of the ensuing four (adjustment) years.

As a result of this Decision, there will be a monthly total bill decrease of \$7.24 for a residential customer consuming 750 kWh, effective January 1, 2021. The decrease does not factor in applicable taxes or the Ontario Electricity Rebate.<sup>1</sup>

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<sup>1</sup> O.Reg 363/16. S. 3, effective November 1, 2019

## 2 THE PROCESS

This Decision is being issued by delegated authority, without a hearing, under section 6 of the *Ontario Energy Board Act, 1998* (the OEB Act).

The OEB follows a standardized and streamlined process for hearing IRM applications filed under Price Cap IR. In each adjustment year of a Price Cap IR term, the OEB prepares a Rate Generator Model that includes, as a placeholder, information from the distributor's past proceedings and annual reporting requirements.<sup>2</sup> A distributor will then review and complete the Rate Generator Model, and include it with its application.

Cooperative Hydro Embrun filed its application on September 10, 2020 under section 78 of the OEB Act and in accordance with the Chapter 3 of the OEB's [Filing Requirements for Incentive Rate-Setting Applications](#) (Filing Requirements).

The application was supported by pre-filed written evidence and a completed Rate Generator Model. During the course of the proceeding, the applicant responded to OEB staff questions through emails and phone calls and, where required, updated and clarified the evidence.

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<sup>2</sup> The Rate Generator Model is a Microsoft Excel workbook that is used to update base rates, retail transmission service rates and, if applicable, shared tax saving adjustments. It also calculates rate riders for the disposition of deferral and variance account balances. During the course of an IRM proceeding, the Rate Generator Model may be updated in order to make any necessary corrections, or to incorporate new rate-setting parameters as they become available.

### 3 ORGANIZATION OF THE DECISION

In this Decision, the OEB addresses the following issues, and provides reasons for approving or denying Cooperative Hydro Embrun's proposals relating to each of them:

- Price Cap Adjustment
- Shared Tax Adjustments
- Retail Transmission Service Rates
- Group 1 Deferral and Variance Accounts

In the final section, the OEB addresses the steps to implement the final rates that flow from this Decision.

This Decision does not address rates and charges approved by the OEB in previous proceedings, which are not part of the scope of an IRM proceeding (such as specific service charges<sup>3</sup> and loss factors). No further approvals are required to continue to include these items on a distributor's Tariff of Rates and Charges.

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<sup>3</sup> Certain Service Charges are subject to annual inflationary adjustments to be determined by the OEB through a generic order. The Decision and Order EB-2020-0285, issued December 3, 2020 established the adjustment for energy retailer service charges, effective January 1, 2021. The Order EB-2020-0288, issued December 10, 2020, set the Wireline Pole Attachment Charge for January 1, 2021 on an interim basis.

## 4 PRICE CAP ADJUSTMENT

Cooperative Hydro Embrun seeks to increase its rates, effective January 1, 2021, based on a mechanistic rate adjustment using the OEB-approved ***inflation minus X-factor*** formula applicable to Price Cap IR applications.

The components of the Price Cap IR adjustment formula applicable to Cooperative Hydro Embrun are set out in Table 4.1, below. Inserting these components into the formula results in a 2.20% increase to Cooperative Hydro Embrun's rates: **2.20% = 2.20% - (0.00% + 0.00%)**.

**Table 4.1: Price Cap IR Adjustment Formula**

Components		Amount
Inflation Factor <sup>4</sup>		2.20%
X-Factor	Productivity <sup>5</sup>	0.00%
	Stretch (0.00% – 0.60%) <sup>6</sup>	0.00%

A maximum inflation factor of 2.20% applies to all Price Cap IR applications for the 2021 rate year, provided that a utility does not elect a lower inflation factor to be used.

The X-factor is the sum of the productivity factor and the stretch factor. It is a productivity offset that will vary among different groupings of distributors. Subtracting the X-factor from inflation ensures that rates decline in real, constant-dollar terms, providing distributors with a tangible incentive to improve efficiency or else experience declining net income.

The productivity component of the X-factor is based on industry conditions over a historical study period and applies to all Price Cap IR and Annual IR Index applications for the 2021 rate year.

<sup>4</sup> For the 2021 Inflation Factor, see Ontario Energy Board 2021 Electricity Distribution Rate applications webpage – November 9, 2020

<sup>5</sup> Report of the OEB – “Rate Setting Parameters and Benchmarking under the Renewed Regulatory Framework for Ontario’s Electricity Distributors” EB-2010-0379, Issued November 21, 2013, corrected December 4, 2013

<sup>6</sup> The stretch factor groupings are based on the Report to the Ontario Energy Board – “Empirical Research in Support of Incentive Rate-Setting: 2019 Benchmarking Update”, prepared by Pacific Economics Group LLC., August 2020

The stretch factor component of the X-factor is distributor specific. The OEB has established five stretch factor groupings, each within a range from 0.00% to 0.60%. The stretch factor assigned to any particular distributor is based on the distributor's total cost performance as benchmarked against other distributors in Ontario. The most efficient distributor would be assigned the lowest stretch factor of 0.00%. Conversely, a higher stretch factor would be applied to a less efficient distributor (in accordance with its cost performance relative to expected levels) to reflect the incremental productivity gains that the distributor is expected to achieve. The stretch factor assigned to Cooperative Hydro Embrun is 0.00%.

In light of the continued uncertainty regarding the severity and duration of the COVID-19 emergency, and its impact on electricity utilities and customers alike, for 2021 rate adjustment applications, the OEB allowed utilities the discretion of applying either the calculated inflation factor in accordance with the OEB-approved methodology or a lower value. Utilities were also given the discretion to forego the inflationary increase entirely.<sup>7</sup>

The OEB required all utilities that filed (or were planning to file) 2021 rate adjustment applications to file a letter on the record of their rates proceedings, indicating the inflation factor that the utility has elected.

On November 23, 2020, Cooperative Hydro Embrun filed a letter advising the OEB that it is electing an inflation factor of 2.20% for 2021 rates, resulting in a rate adjustment of 2.20%.<sup>8</sup>

## Findings

The OEB finds that Cooperative Hydro Embrun's request for a 2.20% rate adjustment is in accordance with the annually updated parameters set by the OEB, as well as the process established for the implementation of the 2021 inflation factor. The adjustment is approved, and Cooperative Hydro Embrun's new rates shall be effective January 1, 2021.

The adjustment applies to distribution rates (fixed and variable) uniformly across all customer classes.<sup>9</sup>

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<sup>7</sup> [OEB Letter, 2021 Inflation Parameters, issued November 9, 2020](#)

<sup>8</sup> EB-2020-0011, Letter from Cooperative Hydro Embrun re: 2021 inflation factor, November 23, 2020

<sup>9</sup> Price Cap IR and Annual IR Index adjustments do not apply to the following rates and charges: rate riders, rate adders, low voltage service charges, retail transmission service rates, wholesale market service rate, smart metering entity charge, rural or remote electricity rate protection charge, standard supply service – administrative charge, transformation and primary metering allowances, loss factors, specific service charges, microFIT charge, and retail service charges.

## 5 SHARED TAX ADJUSTMENTS

In any adjustment year of a Price Cap IR term, a change in legislation may result in a change to the amount of taxes payable by a distributor. With regard to IRM applications, the OEB has long held that the impact of such legislated tax changes be shared 50/50 between shareholders and ratepayers. The shared tax change amount, whether in the form of a credit or a debit, will be assigned to customer rate classes in the same proportions as the OEB-approved distribution revenue by rate class from the distributor's last cost of service proceeding.

On July 25, 2019, the OEB issued a letter<sup>10</sup> providing accounting guidance with respect to recent changes in capital cost allowance (CCA) rules. The guidance provides that impacts from changes in CCA rules will not be assessed in IRM applications, and that any request for disposition of amounts related to CCA changes is to be deferred to the distributor's next cost-base rate application. A distributor's request for disposition of shared tax adjustment amounts in an IRM application should, therefore, be comprised only of impacts for tax changes unrelated to CCA (such as changes in corporate income tax rates).

The application identifies a total tax decrease of \$538, resulting in a shared credit amount of \$269 to be refunded to ratepayers.

This allocated tax sharing amount does not produce a rate rider to the fourth decimal place, in one or more rate classes. In such situations, where the Rate Generator Model does not compute rate riders, distributors typically are required to transfer the entire OEB-approved tax sharing amount into the Disposition and Recovery of Regulatory Balances Control Account (Account 1595) for disposition at a later date.

### Findings

The OEB approves the tax refund of \$269.

The allocated tax sharing amount does not produce a rate rider in one or more rate classes. The OEB therefore directs Cooperative Hydro Embrun to record the OEB-approved tax sharing credit amount of \$269 into Account 1595 "Sub-account Principal Balances Approved for Disposition in 2021", by March 31, 2021, for disposition at a later date.

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<sup>10</sup> OEB Accounting Direction Regarding Bill C-97 and Other Changes in Regulatory or Legislated Tax Rules for Capital Cost Allowance, July 25, 2019.

## 6 RETAIL TRANSMISSION SERVICE RATES

Distributors charge retail transmission service rates (RTSRs) to their customers in order to recover the amounts they pay to a transmitter, a host distributor, or both, for transmission services. All transmitters charge Uniform Transmission Rates (UTRs) to distributors connected to the transmission system. Host distributors charge host-RTSRs to distributors embedded within the host's distribution system. Each of these rates is OEB-approved.

Cooperative Hydro Embrun is fully embedded within Hydro One Networks Inc.'s distribution system and is requesting approval to adjust the RTSRs that it charges its customers to reflect the currently approved rates that it pays for transmission services included in Table 6.1.

**Table 6.1: Hydro One Networks Inc. Sub-Transmission Host-RTSRs<sup>11</sup>**

<b>Sub-Transmission Host RTSRs (2020)</b>	<b>per kW</b>
Network Service Rate	\$3.3980
<u>Connection Service Rates</u>	
Line Connection Service Rate	\$0.8045
Transformation Connection Service Rate	\$2.0194

### Findings

Cooperative Hydro Embrun's proposed adjustment to its RTSRs is approved. The RTSRs were adjusted based on the current host-RTSRs.

The OEB notes that Hydro One Networks Inc.'s 2020 host sub-transmission RTSRs were incorporated into the rate model to adjust the RTSRs that Cooperative Hydro Embrun will charge its customers. The differences resulting from the approval of new 2021 sub-transmission rates for Hydro One Networks Inc. will be captured in Accounts RSVA – Retail Transmission Network Charge 1584 and Retail Transmission Connection Charge 1586.

<sup>11</sup> EB-2019-0043, Decision and Order, December 17, 2019



## 7 GROUP 1 DEFERRAL AND VARIANCE ACCOUNTS

In each year of an IRM term, the OEB will review a distributor's Group 1 deferral and variance accounts in order to determine whether their total balance should be disposed.<sup>12</sup> OEB policy requires that Group 1 accounts be disposed if they exceed (as a debit or credit) a pre-set disposition threshold of \$0.001 per kWh, unless a distributor justifies why balances should not be disposed.<sup>13</sup> If the balance does not exceed the threshold, a distributor may elect to request disposition.

As requested in its pre-filed evidence, the 2019 actual year-end total balance for Cooperative Hydro Embrun's Group 1 accounts including interest projected to December 31, 2020 is a credit of \$201,539. This amount represents a total credit claim of \$0.0070 per kWh,<sup>14</sup> which exceeds the disposition threshold, and the utility has requested disposition of this credit amount over a one-year period.

### *a) Global Adjustment Variance Account*

One of the components of the commodity costs billed by the Independent Electricity System Operator (IESO), which is included in Group 1 accounts, is the Global Adjustment (GA).<sup>15</sup>

Different customer groups pay the GA in different ways:

- For Regulated Price Plan (RPP) customers, the GA is incorporated into the standard commodity rates customers pay. Therefore, there is no separate variance account for the GA.
- "Class A" customers are allocated GA costs based on the percentage their demand contributes to the top five Ontario system peaks. As distributors settle with Class A customers based on actual GA costs, there is no resulting variance.

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<sup>12</sup> Group 1 accounts track the differences between the costs that a distributor is billed for certain IESO and host distributor services (including the cost of power) and the associated revenues that the distributor receives from its customers for these services. The total net difference between these costs and revenues is disposed to customers through a temporary charge or credit known as a rate rider.

<sup>13</sup> Report of the OEB – "Electricity Distributors' Deferral and Variance Account Review Initiative (EDDVAR)." EB-2008-0046, July 31, 2009.

<sup>14</sup> EB-2020-0011, 2021 IRM Rate Generator Model, October 19, 2020, Tab. 4

<sup>15</sup> The GA is established monthly by the IESO to reflect the difference between the wholesale market price for electricity and regulated rates for:

- Ontario Power Generation's nuclear and hydroelectric generating stations
- payments for building or refurbishing infrastructure such as gas-fired and renewable facilities and other nuclear
- contracted rates paid to a number of generators across the province
- the cost of delivering conservation programs.

- "Class B" non-RPP customers are billed GA based on the electricity they consume in a month at the IESO published GA price. Distributors track any difference between the billed amounts and actual costs for these customers in the GA Variance Account for disposal, once audited.

Cooperative Hydro Embrun proposes the refund of its GA variance account balance of \$1,497 as at December 31, 2019, including interest to December 31, 2020, in accordance with the following table.

**Table 7.1: Refund of GA Variance**

Proposed Amounts	Proposed Method for Refund
\$1,497 refunded to customers who were Class B for the entire period from January 2018 to December 2019	per kWh rate rider

*b) Capacity Based Recovery Class B Sub-account*

The balance of the Group 1 accounts includes the Capacity Based Recovery (CBR) sub-account for Class B customers in a debit amount of \$399, relating to the IESO's wholesale energy market for the CBR program. Cooperative Hydro Embrun had no Class A customers during the period from January 2018 to December 2019 so it applied to have the balance of this account disposed along with Account 1580 - Wholesale Market Service Charge through the general Deferral and Variance Account rate rider.

*c) Group 1 Accounts*

The Group 1 accounts being sought for disposition (excluding GA) include the following flow through variance accounts: Low Voltage Charges, Smart Meter Entity Charges, Wholesale Market Service Charges, Retail Transmission Service Charges and Commodity Power Charges. These Group 1 accounts have a total credit balance of \$200,042, which results in a refund to customers. This balance combined with the balance for the GA account results in the total credit balance for Group 1 accounts of \$201,539.

In 2018, the OEB suspended its approvals of Group 1 rate riders on a final basis pending the development of further accounting guidance on commodity pass-through

variance accounts.<sup>16</sup> The OEB issued accounting guidance<sup>17</sup> on the commodity accounts on February 21, 2019. In this letter, the OEB indicated that it expects distributors to consider the accounting guidance in the context of historical balances that have not yet been disposed on a final basis. Distributors are expected to make any adjustments needed prior to filing for final disposition.

In its 2019 rate application, Cooperative Hydro Embrun received approval to dispose of 2017 Group 1 balances on an interim basis.

In its 2020 rate application, Cooperative Hydro Embrun was denied approval to dispose of its 2018 Group 1 balances because of an unusually high balance in Account 1588. In its 2020 IRM decision and order, the OEB stated, with respect to Account 1588, that “Cooperative Hydro Embrun presents a credit balance of \$63,579 in this account, which is unusually high for a utility of its size”.<sup>18</sup> In addition, the OEB stated that “the OEB will consider allowing the disposition after Cooperative Hydro Embrun has performed a detailed internal review of its accounting and settlement processes and can provide sufficient evidence that it is following the APH and other OEB accounting guidance with respect to its commodity pass through accounts”.<sup>19</sup>

In this proceeding, Cooperative Hydro Embrun has requested final disposition of the 2019 balances including the commodity pass through accounts 1588 and 1589. Cooperative Hydro Embrun did not perform the required internal review as directed by the OEB in the 2020 IRM decision and order. The internal review analysis provided in this proceeding is for the 2018 year, which was previously provided in the 2020 rate application. The OEB notes that the 2019 principal credit balance of \$174,296 in Account 1588 is substantially higher than the 2018 credit balance of \$63,579 that the OEB had previously expressed concerns with. Cooperative Hydro Embrun did not directly address why this balance is so high given the relative size of the distributor. Cooperative Hydro Embrun did set out in their responses to the OEB staff questions and to the OEB’s draft decision that Cooperative Hydro Embrun’s approach leads to timing differences.<sup>20</sup>

In this proceeding, the OEB requested information pertaining to Cooperative Hydro Embrun’s RPP settlement and accounting for Accounts 1588 and 1589. The evidence filed on the record indicates deviations from the OEB’s accounting guidance.

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<sup>16</sup> OEB letter to all rate-regulated licensed electricity distributors – “Re: OEB’s Plan to Standardize Processes to Improve Accuracy of Commodity Pass-Through Variance Accounts.” July 20, 2018.

<sup>17</sup> Accounting Procedures Handbook Update – Accounting Guidance Related to Commodity Pass-Through Accounts 1588 & 1589, February 21, 2019.

<sup>18</sup> Decision and Order, EB-2019-0028, page 9.

<sup>19</sup> Ibid.

<sup>20</sup> Cooperative Hydro Embrun’s Response to Draft Decision, December 8, 2020, Page 5.

The OEB issued a draft decision on December 3, 2020 that provided examples of deviations from the OEB's accounting guidance. In response, Cooperative Hydro Embrun provided explanations for why it feels its accounting for the commodity accounts and settlement process is appropriate and pointed to its fully embedded status as one reason supporting the deviation from the OEB's RPP settlement process guidance.

## Findings

The OEB appreciates the responses provided by Cooperative Hydro Embrun to the draft decision explaining its view of why the OEB should dispose of the balances on a final basis. The OEB understands from the explanations provided that the distributor has a high degree of confidence in the validity of its balances.

The OEB recognizes that the 2021 rate application represents two years of accumulated balances of 2018 and 2019. The OEB accepts Cooperative Hydro Embrun's proposal to dispose of its 2019 Group 1 DVA balances on a final basis, including the 2017 balances that were initially disposed on an interim basis. The OEB expects Cooperative Hydro Embrun to continue its efforts to adopt the new Accounting Guidance in a manner that is pragmatic to do so, until the OEB directs Cooperative Hydro Embrun otherwise. The OEB also directs Cooperative Hydro Embrun to continue its internal review regarding its accounting and RPP settlement processes and to provide an update in its 2022 rate application with respect to its adoption of the OEB's accounting guidance.

The OEB expects Cooperative Hydro Embrun to bring any revisions or adjustments identified after disposing of the DVA balances on a final basis to the OEB's attention (including to the balances for the 2017 calendar year). The OEB further notes that any revisions or adjustments as proposed by Cooperative Hydro Embrun may be subject to the OEB's [October 31, 2019](#) letter regarding Adjustments to Correct for Errors in Electricity "Pass-Through" Variance Accounts After Disposition.<sup>21</sup>

The OEB approves the disposition of a credit balance of \$201,539 as of December 31, 2019, including interest projected to December 31, 2020 for Group 1 accounts on a final basis.

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<sup>21</sup> <https://www.oeb.ca/sites/default/files/ltr-Retro-Ratemaking-Guidance-20191031.pdf>

The following table identifies the principal and interest amounts, which the OEB approves for disposition.

**Table 7.2: Group 1 Deferral and Variance Account Balances**

<b>Account Name</b>	<b>Account Number</b>	<b>Principal Balance (\$) A</b>	<b>Interest Balance (\$) B</b>	<b>Total Claim (\$) C=A+B</b>
LV Variance Account	1550	7,752	651	8,403
Smart Meter Entity Variance Charge	1551	(3,381)	(93)	(3,474)
RSVA - Wholesale Market Service Charge	1580	(10,076)	376	(9,700)
Variance WMS - Sub-account CBR Class B	1580	147	252	399
RSVA - Retail Transmission Network Charge	1584	(11,213)	(597)	(11,810)
RSVA - Retail Transmission Connection Charge	1586	(3,343)	(266)	(3,609)
RSVA – Power	1588	(177,634)	(2,616)	(180,250)
RSVA – Global Adjustment	1589	(1,514)	17	(1,497)
<b>Totals for Group 1 accounts (excluding Account 1589)</b>		(197,748)	(2,292)	(200,042)
<b>Totals for all Group 1 accounts</b>		(199,262)	(2,277)	(201,539)

The balance of each of the Group 1 accounts approved for disposition shall be transferred to the applicable principal and interest carrying charge sub-accounts of Account 1595. Such transfer shall be pursuant to the requirements specified in Article 220, Account Descriptions, of the *Accounting Procedures Handbook for Electricity Distributors*.<sup>22</sup> The date of the transfer must be the same as the effective date for the associated rates, which is, generally, the start of the rate year. Cooperative Hydro Embrun shall ensure these adjustments are included in the reporting period ending March 31, 2021 (Quarter 1).

<sup>22</sup> Accounting Procedures Handbook for Electricity Distributors, effective January 1, 2012.

The OEB approves these balances to be disposed through rate riders on a final basis as calculated in the Rate Generator Model. The rate riders will be in effect over a one-year period from January 1, 2021 to December 31, 2021.<sup>23</sup>

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<sup>23</sup> 2021 IRM Rate Generator Model Tab 6.1 GA and Tab 7 Calculation of Def-Var RR.

## 8 IMPLEMENTATION AND ORDER

This Decision is accompanied by a Rate Generator Model, applicable supporting models, and a Tariff of Rates and Charges (Schedule A).

Model entries were reviewed in order to ensure that they are in accordance with Cooperative Hydro Embrun’s last cost of service decision, and to ensure that the 2020 OEB-approved Tariff of Rates and Charges, as well as the cost, revenue and consumption results from 2019, are as reported by Cooperative Hydro Embrun to the OEB.

The Rate Generator Model was adjusted, where applicable, to correct any discrepancies. The Rate Generator Model incorporates the rates set out in the following table.

**Table 8.1: Regulatory Charges**

Rate	per kWh
Rural or Remote Electricity Rate Protection (RRRP)	\$0.0005
Wholesale Market Service (WMS) billed to Class A and B Customers	\$0.0030
Capacity Based Recovery (CBR) billed to Class B Customers	\$0.0004

Each of these rates is a component of the “Regulatory Charge” on a customer’s bill, established annually by the OEB through a separate, generic order. The RRRP, WMS and CBR rates were set by the OEB on December 10, 2020.<sup>24</sup>

The Smart Metering Entity Charge is a component of the “Distribution Charge” on a customer’s bill, established by the OEB through a separate order. The Smart Metering Entity Charge was set by the OEB on March 1, 2018.<sup>25</sup>

<sup>24</sup> EB-2020-0276, Decision and Order, December 10, 2020

<sup>25</sup> EB-2017-0290, Decision and Order, March 1, 2018

**THE ONTARIO ENERGY BOARD ORDERS THAT:**

1. The Tariff of Rates and Charges set out in Schedule A of this Decision and Rate Order is approved effective January 1, 2021 for electricity consumed or estimated to have been consumed on and after such date. Cooperative Hydro Embrun Inc. shall notify its customers of the rate changes no later than the delivery of the first bill reflecting the new final and interim rates.

**DATED** at Toronto, December 17, 2020

**ONTARIO ENERGY BOARD**

*Original Signed By*

Christine E. Long  
Registrar



**Schedule A**

**To Decision and Rate Order**

**Tariff of Rates and Charges**

**OEB File No: EB-2020-0011**

**DATED: December 17, 2020**

**Cooperative Hydro Embrun Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2020-0011

## RESIDENTIAL SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less where the electricity is used exclusively in a separate metered living accommodation. Customers shall be residing in single-dwelling units that consist of a detached house or one unit of a semi-detached, duplex, triplex or quadruplex house, with a residential zoning. Separately metered dwellings within a town house complex or apartment building also qualify as residential customers. All customers are single-phase. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

## APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

## MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	37.44
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Low Voltage Service Rate	\$/kWh	0.0033
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021		
Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kWh	(0.0070)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0071
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0061

## MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Cooperative Hydro Embrun Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2020-0011

## GENERAL SERVICE LESS THAN 50 KW SERVICE CLASSIFICATION

This classification applies to a non-residential account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	22.34
Smart Metering Entity Charge - effective until December 31, 2022	\$	0.57
Distribution Volumetric Rate	\$/kWh	0.0187
Low Voltage Service Rate	\$/kWh	0.0029
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021 Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kWh	(0.0069)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0065
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0052

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

**Cooperative Hydro Embrun Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
**This schedule supersedes and replaces all previously**  
**approved schedules of Rates, Charges and Loss Factors**

EB-2020-0011

## GENERAL SERVICE 50 TO 4,999 KW SERVICE CLASSIFICATION

This classification applies to a non-residential account whose average monthly maximum demand used for billing purposes is equal to or greater than, or is forecast to be equal to or greater than, 50 kW but less than 5,000 kW. Class A and Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of WMS - Sub-account CBR Class B is not applicable to wholesale market participants (WMP), customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new Class B customers.

If included in the following listing of monthly rates and charges, the rate rider for the disposition of Global Adjustment is only applicable to non-RPP Class B customers. It is not applicable to WMP, customers that transitioned between Class A and Class B during the variance account accumulation period, or to customers that were in Class A for the entire period. Customers who transitioned are to be charged or refunded their share of the variance disposed through customer specific billing adjustments. This rate rider is to be consistently applied for the entire period to the sunset date of the rate rider. In addition, this rate rider is applicable to all new non-RPP Class B customers.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge	\$	194.70
Distribution Volumetric Rate	\$/kW	4.1379
Low Voltage Service Rate	\$/kW	1.0823
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021		
Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kW	(2.2476)
Retail Transmission Rate - Network Service Rate	\$/kW	2.6229
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	2.1243

Issued - December 17, 2020

**Cooperative Hydro Embrun Inc.**  
**TARIFF OF RATES AND CHARGES**  
**Effective and Implementation Date January 1, 2021**  
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**MONTHLY RATES AND CHARGES - Regulatory Component**

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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## UNMETERED SCATTERED LOAD SERVICE CLASSIFICATION

This classification applies to an account taking electricity at 750 volts or less whose average monthly maximum demand is less than, or is forecast to be less than, 50 kW and the consumption is unmetered. Such connections include cable TV power packs, bus shelters, telephone booths, traffic lights, railway crossings, etc. The level of the consumption will be agreed to by the distributor and the customer, based on detailed manufacturer information/ documentation with regard to electrical consumption of the unmetered load or periodic monitoring of actual consumption. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per customer)	\$	22.39
Distribution Volumetric Rate	\$/kWh	0.0153
Low Voltage Service Rate	\$/kWh	0.0029
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kWh	(0.0069)
Retail Transmission Rate - Network Service Rate	\$/kWh	0.0065
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kWh	0.0052

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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## STREET LIGHTING SERVICE CLASSIFICATION

This classification applies to an account for roadway lighting with a Municipality, Regional Municipality, Ministry of Transportation and private roadway lighting, controlled by photo cells. The consumption for these customers will be based on the calculated connected load times the required lighting times established in the approved Ontario Energy Board street lighting load shape template. Class B consumers are defined in accordance with O. Reg. 429/04. Further servicing details are available in the distributor's Conditions of Service.

### APPLICATION

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable. In addition, the charges in the MONTHLY RATES AND CHARGES - Regulatory Component of this schedule do not apply to a customer that is an embedded wholesale market participant.

It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

### MONTHLY RATES AND CHARGES - Delivery Component

Service Charge (per connection)	\$	2.36
Distribution Volumetric Rate	\$/kW	21.4175
Low Voltage Service Rate	\$/kW	0.8367
Rate Rider for Disposition of Global Adjustment Account (2021) - effective until December 31, 2021 Applicable only for Non-RPP Customers	\$/kWh	(0.0004)
Rate Rider for Disposition of Deferral/Variance Accounts (2021) - effective until December 31, 2021	\$/kW	(2.4626)
Retail Transmission Rate - Network Service Rate	\$/kW	1.9782
Retail Transmission Rate - Line and Transformation Connection Service Rate	\$/kW	1.6422

### MONTHLY RATES AND CHARGES - Regulatory Component

Wholesale Market Service Rate (WMS) - not including CBR	\$/kWh	0.0030
Capacity Based Recovery (CBR) - Applicable for Class B Customers	\$/kWh	0.0004
Rural or Remote Electricity Rate Protection Charge (RRRP)	\$/kWh	0.0005
Standard Supply Service - Administrative Charge (if applicable)	\$	0.25

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**microFIT SERVICE CLASSIFICATION**

This classification applies to an electricity generation facility contracted under the Independent Electricity System Operator's microFIT program and connected to the distributor's distribution system. Further servicing details are available in the distributor's Conditions of Service.

**APPLICATION**

The application of these rates and charges shall be in accordance with the Licence of the Distributor and any Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, which may be applicable to the administration of this schedule.

No rates and charges for the distribution of electricity and charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

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It should be noted that this schedule does not list any charges, assessments, or credits that are required by law to be invoiced by a distributor and that are not subject to Ontario Energy Board approval, such as the Global Adjustment and the HST.

**MONTHLY RATES AND CHARGES - Delivery Component**

Service Charge	\$	10.00
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**ALLOWANCES**

Transformer Allowance for Ownership - per kW of billing demand/month	\$/kW	(0.60)
Primary Metering Allowance for Transformer Losses - applied to measured demand & energy	%	(1.00)

**SPECIFIC SERVICE CHARGES**

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No charges to meet the costs of any work or service done or furnished for the purpose of the distribution of electricity shall be made except as permitted by this schedule, unless required by the Distributor's Licence or a Code or Order of Ontario Energy Board, and amendments thereto as approved by Ontario Energy Board, or as specified herein.

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**Customer Administration**

Arrears certificate	\$	15.00
Statement of account	\$	15.00
Duplicate invoices for previous billing	\$	15.00
Request for other billing information	\$	15.00
Income tax letter	\$	15.00
Account history	\$	15.00
Credit check (plus credit agency costs)	\$	25.00
Returned cheque (plus bank charges)	\$	15.00
Legal letter charge	\$	15.00
Account set up charge/change of occupancy charge (plus credit agency costs if applicable)	\$	15.00
Meter dispute charge plus Measurement Canada fees (if meter found correct)	\$	30.00

**Non-Payment of Account**

Late payment - per month (effective annual rate 19.56% per annum or 0.04896% compounded daily rate)	%	1.50
Reconnection at meter - during regular hours	\$	25.00
Reconnection at meter - after regular hours	\$	50.00
Reconnection at pole - during regular hours	\$	185.00
Reconnection at pole - after hours	\$	415.00

**Other**

Special meter reads	\$	20.00
Service call - customer owned equipment	\$	30.00
Service call - after regular hours	\$	165.00
Temporary service - installation and removal - overhead - no transformer	\$	500.00
Temporary service - installation and removal - underground - no transformer	\$	300.00
Temporary service - installation and removal - overhead - with transformer	\$	1,000.00
Specific charge for access to the power poles - per pole/year (with the exception of wireless attachments) - Approved on an Interim Basis	\$	44.50

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## RETAIL SERVICE CHARGES (if applicable)

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Unless specifically noted, this schedule does not contain any charges for the electricity commodity, be it under the Regulated Price Plan, a contract with a retailer or the wholesale market price, as applicable.

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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	\$	104.24
Monthly fixed charge, per retailer	\$	41.70
Monthly variable charge, per customer, per retailer	\$/cust.	1.04
Distributor-consolidated billing monthly charge, per customer, per retailer	\$/cust.	0.62
Retailer-consolidated billing monthly credit, per customer, per retailer	\$/cust.	(0.62)
Service Transaction Requests (STR)		
Request fee, per request, applied to the requesting party	\$	0.52
Processing fee, per request, applied to the requesting party	\$	1.04
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)	\$	4.17
Notice of switch letter charge, per letter (unless the distributor has opted out of applying the charge as per the Ontario Energy Board's Decision and Order EB-2015-0304, issued on February 14, 2019)	\$	2.08

## LOSS FACTORS

If the distributor is not capable of prorating changed loss factors jointly with distribution rates, the revised loss factors will be implemented upon the first subsequent billing for each billing cycle.

Total Loss Factor - Secondary Metered Customer < 5,000 kW	1.0749
Total Loss Factor - Primary Metered Customer < 5,000 kW	1.0650