

**NEWFOUNDLAND AND LABRADOR  
BOARD OF COMMISSIONERS OF PUBLIC UTILITIES**

**AN ORDER OF THE BOARD**

**NO. P.U. 5(2013)**

1 **IN THE MATTER OF** the *Electrical Power*  
2 *Control Act*, SNL 1994, Chapter E-5.1 (the  
3 “*EPCA*”) and the *Public Utilities Act*, RSNL 1990,  
4 Chapter P-47 (the “*Act*”), and regulations thereunder;

5  
6 **AND**

7  
8 **IN THE MATTER OF** an Application by  
9 Newfoundland Power Inc. (“Newfoundland  
10 Power”) for approval of:

- 11  
12 (i) distribution line costs per  
13 metre for Contributions in Aid of  
14 Construction (CIACs);  
15 (ii) distribution plant upgrade  
16 cost for CIACs; and  
17 (iii) CIAC cost factors.  
18  
19

20 **WHEREAS** Order No. P.U. 4(1997-98) required among other things that:

21  
22 Newfoundland Power file annually, together with an affidavit, a schedule of current costs,  
23 and the effective CIAC Policy Appendices entitled, Distribution Plant Upgrade Cost for  
24 CIACs, and both Residential and General Service Distribution Line Cost per Metre for  
25 CIACs; and  
26

27 **WHEREAS** Order No. P.U. 1(2012) approved the current CIAC Policy of Newfoundland Power,  
28 effective January 19, 2012; and  
29

30 **WHEREAS** on February 14, 2013 Newfoundland Power submitted for the Board’s review:

- 31  
32 i) Schedule A, Distribution Line Cost Per Metre for Domestic CIACs (Appendix A,  
33 Page 1 of 1, to the Domestic Policy);

- 1           ii)     Schedule B, Distribution Line Cost Per Metre for General Service CIACs (Appendix  
2                    A, Page 1 of 1, to the General Service Policy);  
3           iii)     Schedule C, Distribution Plant Support Table for General Service CIACs (Appendix  
4                    B, Page 1 of 1, to the General Service Policy); and  
5           iv)     Schedule D, Distribution Plant Upgrade Cost for General Service CIACs (Appendix  
6                    C, Page 1 of 1, to the General Service Policy); and  
7

8     **WHEREAS** the Board has reviewed the Schedules submitted by Newfoundland Power, as well as  
9     the supporting information received with respect to these Schedules, and is satisfied the Schedules  
10    should be approved.  
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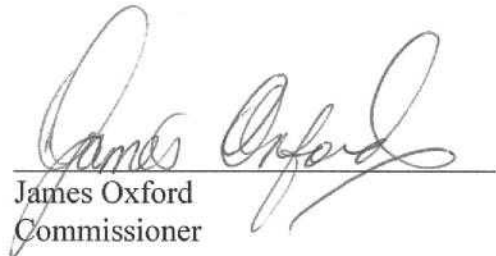
12    **IT IS THEREFORE ORDERED THAT:**  
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- 14    1.     The cost factors in Schedules A, B, C and D attached to this Order are approved to be used in  
15           the calculation of all CIACs with effect from February 28, 2013 and, where advantageous to  
16           customers of Newfoundland Power, on all CIACs quoted but unpaid as of February 28, 2013.  
17  
18    2.     Newfoundland Power shall submit a revised CIAC Policy in its entirety incorporating the  
19           revisions approved herein.  
20  
21    3.     Newfoundland Power shall pay the expenses of the Board arising from this Application.

DATED at St. John's, Newfoundland and Labrador this 28<sup>th</sup> day of February, 2013.



\_\_\_\_\_  
Darlene Whalen, P.Eng.  
Vice-Chair



\_\_\_\_\_  
James Oxford  
Commissioner



\_\_\_\_\_  
G. Cheryl Blundon  
Board Secretary

NEWFOUNDLAND POWER INC.  
DISTRIBUTION LINE COST PER METRE FOR DOMESTIC CIACs

TYPE OF CONSTRUCTION	COST / METRE <sup>1</sup> \$
<u>LINE EXTENSIONS</u>  SINGLE PHASE	30

<sup>1</sup> This cost factor does not include any costs for clearing or obtaining easements. When clearing is required, an additional charge of \$3.75 per metre will apply to the section of line required beyond the distance of the Basic Investment. A \$350 charge will be applied for each required easement beyond the distance of the Basic Investment.

**NEWFOUNDLAND POWER INC.  
 DISTRIBUTION LINE COST PER METRE  
 FOR GENERAL SERVICE CIACs**

TYPE OF CONSTRUCTION	COST / METRE <sup>2</sup> \$
<u>LINE EXTENSIONS</u>	
SINGLE PHASE	30
THREE PHASE	46
<u>UPGRADES <sup>3</sup></u>	
SINGLE PHASE TO THREE PHASE	43
TWO PHASE TO THREE PHASE	26

<sup>2</sup> These cost factors do not include any costs for clearing or obtaining easements. When clearing is required, an additional charge of \$3.75 per metre will apply to the section of line required beyond the distance of the Basic Investment. A \$350 charge will be applied for each required easement beyond the distance of the Basic Investment.

<sup>3</sup> These costs include only the cost associated with primary conductors and related hardware in upgrades. For additional costs refer to Appendix C.

NEWFOUNDLAND POWER INC.  
DISTRIBUTION PLANT SUPPORT TABLE  
FOR GENERAL SERVICE CIACs

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Annual Load Factor	Dollars per kW/kVA <sup>4</sup>
Less than 5%	77
5% - 9.9%	111
10% - 14.9%	121
15% - 19.9%	138
20% - 24.9%	149
25% - 29.9%	155
30% - 34.9%	165
35% - 39.9%	175
40% - 44.9%	185
45% - 49.9%	192
50% - 54.9%	198
55% - 59.9%	204
60% - 64.9%	213
65% - 69.9%	218
70% and Over	223

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<sup>4</sup> The Additional Load based Investment, which applies to customers with a maximum annual demand exceeding 10 kW, will be determined by multiplying (i) the estimated maximum annual demand, less 10 kW, and (ii) the appropriate dollars per kW/kVA.

**NEWFOUNDLAND POWER INC.  
DISTRIBUTION PLANT UPGRADE COST  
FOR GENERAL SERVICE CIACs**

TYPE OF TRANSFER OR REPLACEMENT	COST <sup>5</sup> (\$)
REPLACE POLES - UP TO 45'	1,590
ADDITIONAL POLES	930
DISTRIBUTION SECONDARY PER POLE / SPAN	
Transfer Only	770
Replace Conductor	950
SERVICE DROP PER POLE / SPAN	
Transfer Only	80
Replace Conductor	130
TRANSFORMER MOUNTINGS	
Single Transformer	830
Two or Three Transformers	1,940
POLE GUY	
Transfer Only	40
Replace Guy	70
REPLACE ANCHOR	430
ADDITIONAL ANCHOR	240
STREETLIGHTING - TRANSFER SINGLE FIXTURE	230
STREETLIGHTING DUPLEX PER POLE / SPAN	
Transfer Only	80
Replace Conductor	130
UNWARRANTED THREE PHASE CONSTRUCTION COST (SERVICE DROP, METER & TRANSFORMER)	
New Service	8,000
Upgrade Single Phase to Three Phase	4,600
Upgrade Two Phase to Three Phase	2,100
VALUE OF SINGLE PHASE BASIC INVESTMENT	5,600

<sup>5</sup> Includes all overheads.