

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

**AN ORDER OF THE BOARD**

**NO. P. U. 1(2012)**

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** Order  
9 Nos. P. U. 4(1997-98) and P. U. 27(2005);

10  
11 **AND**

12  
13 **IN THE MATTER OF** an Application by  
14 Newfoundland Power Inc. (“Newfoundland  
15 Power”) for approval of:

- 16  
17 (i) revised distribution line costs per  
18 metre for Contributions in Aid of  
19 Construction (CIACs);  
20 (ii) revised distribution plant upgrade  
21 cost for CIACs; and  
22 (iii) revised CIAC cost factors.

23  
24  
25 **WHEREAS** Order No. P. U. 4(1997-98) required among other things that:

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27 Newfoundland Power file annually, together with an affidavit, a schedule of current costs,  
28 and the effective CIAC Policy Appendices entitled, Distribution Plant Upgrade Cost for  
29 CIACs, and both Residential and General Service Distribution Line Cost per Metre for  
30 CIACs;

31 and

32  
33 **WHEREAS** Order No. P. U. 3(2011) approved the current CIAC Policy of Newfoundland Power,  
34 effective March 1, 2010; and

1 **WHEREAS** by letter dated December 19, 2011 Newfoundland Power submitted for the Board's  
2 review:

- 3  
4 i) Revised Schedule A, Distribution Line Cost Per Metre for Domestic CIACs  
5 (Appendix A, Page 1 of 1, to the Domestic Policy);  
6 ii) Revised Schedule B, Distribution Line Cost Per Metre for General Service CIACs  
7 (Appendix A, Page 1 of 1, to the General Service Policy);  
8 iii) Revised Schedule C, Distribution Plant Support Table for General Service CIACs  
9 (Appendix B, Page 1 of 1, to the General Service Policy); and  
10 iv) Revised Schedule D, Distribution Plant Upgrade Cost for General Service CIACs  
11 (Appendix C, Page 1 of 1, to the General Service Policy); and  
12

13 **WHEREAS** the Board has reviewed the Schedules submitted by Newfoundland Power, as well as  
14 the supporting information received with respect to these Schedules, and is satisfied the Schedules  
15 should be approved.  
16

17 **IT IS THEREFORE ORDERED THAT:**  
18

- 19 1. The revised cost factors submitted with the Application and contained in Schedules A, B, C  
20 and D attached to this Order are approved to be used in the calculation of all CIACs with  
21 effect from January 19, 2012 and, where advantageous to customers of Newfoundland  
22 Power, on all CIACs quoted but unpaid as of January 19, 2012.  
23  
24 2. Newfoundland Power submit a revised CIAC Policy in its entirety incorporating the  
25 revisions approved herein.  
26  
27 3. Newfoundland Power shall pay the expenses of the Board arising from this Application.

DATED at St. John's, Newfoundland and Labrador this 12<sup>th</sup> day of January 2012.

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Darlene Whalen, P.Eng.  
Vice-Chairperson

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James Oxford  
Commissioner

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G. Cheryl Blundon  
Board Secretary

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

TYPE OF CONSTRUCTION	COST / METRE <sup>1</sup> \$
Single Phase Line Extensions	29

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<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/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	29
Three Phase	45
<u>UPGRADES<sup>3</sup></u>	
Single Phase to Three Phase	41
Two Phase to Three Phase	24

<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/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: Additional Distribution Plant Upgrade Cost for General Service CIACs.

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%	73
5% - 9.9%	105
10% - 14.9%	115
15% - 19.9%	131
20% - 24.9%	141
25% - 29.9%	148
30% - 34.9%	157
35% - 39.9%	166
40% - 44.9%	175
45% - 49.9%	183
50% - 54.9%	189
55% - 59.9%	194
60% - 64.9%	202
65% - 69.9%	207
70% and Over	212

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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'	1,580
ADDITIONAL POLES	930
DISTRIBUTION SECONDARY PER POLE / SPAN	
Transfer Only	710
Replace Conductor	890
SERVICE DROP PER POLE / SPAN	
Transfer Only	70
Replace Conductor	130
TRANSFORMER MOUNTINGS	
Single Transformer	770
Two or Three Transformers	1,760
POLE GUY	
Transfer Only	30
Replace Guy	70
REPLACE ANCHOR	420
ADDITIONAL ANCHOR	230
STREETLIGHTING - TRANSFER SINGLE FIXTURE	210
STREETLIGHTING DUPLEX PER POLE / SPAN	
Transfer Only	70
Replace Conductor	120
UNWARRANTED THREE PHASE CONSTRUCTION COST (SERVICE DROP, METER & TRANSFORMER)	
New Service	8,200
Upgrade Single Phase to Three Phase	4,700
Upgrade Two Phase to Three Phase	2,200
VALUE OF SINGLE PHASE BASIC INVESTMENT	5,600

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