

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

AN ORDER OF THE BOARD

NO. P. U. 7(2010)

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

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 cost per
18 metre for Contributions in Aid of
19 Construction (CIAC’s);
20 (ii) revised distribution plant upgrade
21 cost for CIAC’s; and
22 (iii) revised CIAC cost factors.

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

26
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 CIAC’s, and both Residential and General Service Distribution Line Cost per Metre for
30 CIAC’s;

31 and

32
33 **WHEREAS** Order No. P. U. 1(2008) approved the current CIAC Policy of Newfoundland Power,
34 effective February 5, 2008; and

1 **WHEREAS** by letter dated December 22, 2009 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 they should be
15 approved.
16

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

- 19 1. The revised cost factors submitted with the Application and contained in Schedules "A",
20 "B", "C" and "D" attached to this Order are approved to be used in the calculation of all
21 CIAC's with effect from March 3, 2010, and, where advantageous to customers of
22 Newfoundland Power, on all CIAC's quoted but unpaid as of March 3, 2010.
23
24 2. Newfoundland Power submit a revised CIAC Policy in its entirety incorporating the
25 revisions approved herein.

DATED at St. John's, Newfoundland and Labrador this 24th day of February 2010.

Darlene Whalen, P.Eng.
Vice-Chairperson

James Oxford
Commissioner

G. Cheryl Blundon
Board Secretary

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

TYPE OF CONSTRUCTION	COST / METRE ¹ \$
Single Phase Line Extensions	30

¹ This cost factor does not include any costs for clearing or obtaining easements. When clearing is required, an additional charge of \$4.25/metre will apply to the section of line required to be cleared. A \$350 charge will be applied for each easement.

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

TYPE OF CONSTRUCTION	COST / METRE ² \$
<u>LINE EXTENSIONS</u>	
Single Phase	30
Three Phase	45
<u>UPGRADES³</u>	
Single Phase to Three Phase	39
Two Phase to Three Phase	23

² These cost factors do not include any costs for clearing or obtaining easements. When clearing is required, an additional charge of \$4.25/metre will apply to the section of line required to be cleared. A \$350 charge will be applied for each required easement.

³ These costs include only the cost associated with primary conductors and related hardware in upgrades. For additional costs refer to "The Distribution Plant Upgrade Cost for General Service CIACs".

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

Annual Load Factor	Dollars per kW/kVA ⁴
Less than 5%	75
5% - 9.9%	108
10% - 14.9%	118
15% - 19.9%	134
20% - 24.9%	145
25% - 29.9%	151
30% - 34.9%	160
35% - 39.9%	170
40% - 44.9%	180
45% - 49.9%	187
50% - 54.9%	193
55% - 59.9%	198
60% - 64.9%	207
65% - 69.9%	212
70% and Over	217

⁴ 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 ⁵ (\$)
REPLACE POLES - UP TO 45'	1,560
ADDITIONAL POLES	950
DISTRIBUTION SECONDARY PER POLE / SPAN	
Transfer Only	690
Replace Conductor	870
SERVICE DROP PER POLE / SPAN	
Transfer Only	70
Replace Conductor	140
TRANSFORMER MOUNTINGS	
Single Transformer	730
Two or Three Transformers	1,720
POLE GUY	
Transfer Only	30
Replace Guy	70
REPLACE ANCHOR	410
ADDITIONAL ANCHOR	240
STREETLIGHTING - TRANSFER SINGLE FIXTURE	200
STREETLIGHTING DUPLEX PER POLE / SPAN	
Transfer Only	70
Replace Conductor	140
UNWARRANTED THREE PHASE CONSTRUCTION COST (SERVICE DROP, METER & TRANSFORMER)	
New Service	8,500
Upgrade Single Phase to Three Phase	4,500
Upgrade Two Phase to Three Phase	2,500
VALUE OF SINGLE PHASE BASIC INVESTMENT	6,000

⁵ Includes all overheads.