

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

AN ORDER OF THE BOARD

NO. P. U. 3(2011)

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:

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 CIACs, and both Residential and General Service Distribution Line Cost per Metre for
30 CIACs;

31 and

32
33 **WHEREAS** Order No. P. U. 7(2010) approved the current CIAC Policy of Newfoundland Power,
34 effective March 3, 2010; and

1 **WHEREAS** by letter dated December 23, 2010 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** on January 7, 2011 the Board issued requests for information which Newfoundland
14 Power responded to on January 14, 2011; and
15

16 **WHEREAS** on January 27, 2011 Newfoundland Power submitted a Revised Schedule D,
17 Distribution Plant Upgrade Cost for General Service CIACs (Appendix C, Page 1 of 1 to the General
18 Service Policy) as well as revised responses to the Board's requests for information; and
19

20 **WHEREAS** the Board has reviewed the Schedules submitted by Newfoundland Power, as well as
21 the supporting information received with respect to these Schedules, and is satisfied the Schedules
22 should be approved.
23

24 **IT IS THEREFORE ORDERED THAT:**
25

- 26 1. The revised cost factors submitted with the Application and contained in Schedules A, B, C
27 and D attached to this Order are approved to be used in the calculation of all CIACs with
28 effect from March 1, 2011 and, where advantageous to customers of Newfoundland Power,
29 on all CIACs quoted but unpaid as of March 1, 2011.
30
31 2. Newfoundland Power submit a revised CIAC Policy in its entirety incorporating the
32 revisions approved herein.
33
34 3. Newfoundland Power shall pay the expenses of the Board arising from this Application.

DATED at St. John's, Newfoundland and Labrador this 21st day of February 2011.

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	40
Two Phase to Three Phase	24

² These cost factors do not include any costs for clearing or obtaining easements. When clearing is required, an additional charge of \$4.00/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 Support Table for General Service CIACs" – Schedule "C".

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

Annual Load Factor	Dollars per kW/kVA ⁴
Less than 5%	74
5% - 9.9%	107
10% - 14.9%	117
15% - 19.9%	133
20% - 24.9%	144
25% - 29.9%	150
30% - 34.9%	160
35% - 39.9%	170
40% - 44.9%	179
45% - 49.9%	186
50% - 54.9%	192
55% - 59.9%	197
60% - 64.9%	206
65% - 69.9%	211
70% and Over	216

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	710
Replace Conductor	890
SERVICE DROP PER POLE / SPAN	
Transfer Only	70
Replace Conductor	130
TRANSFORMER MOUNTINGS	
Single Transformer	760
Two or Three Transformers	1,770
POLE GUY	
Transfer Only	30
Replace Guy	70
REPLACE ANCHOR	410
ADDITIONAL ANCHOR	240
STREETLIGHTING - TRANSFER SINGLE FIXTURE	210
STREETLIGHTING DUPLEX PER POLE / SPAN	
Transfer Only	70
Replace Conductor	130
UNWARRANTED THREE PHASE CONSTRUCTION COST (SERVICE DROP, METER & TRANSFORMER)	
New Service	8,400
Upgrade Single Phase to Three Phase	4,800
Upgrade Two Phase to Three Phase	2,200
VALUE OF SINGLE PHASE BASIC INVESTMENT	5,800

⁵ Includes all overheads.