

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

AN ORDER OF THE BOARD

NO. P. U. 5(2009) Amended

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, 2008 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; and
16

17 **WHEREAS** on February 2, 2009 Newfoundland Power advised the Board of an error in the costs
18 for replacing conductors in Schedule "D" of this Order.
19

20 **IT IS THEREFORE ORDERED THAT:**
21

- 22 1. The revised cost factors submitted with the Application and contained in Schedules "A",
23 "B", "C" and an amended Schedule "D" attached to this Order are approved to be used in the
24 calculation of all CIAC's with effect from January 28, 2009, and, where advantageous to
25 customers of Newfoundland Power, on all CIAC's quoted but unpaid as of January 28, 2009.
26
27 2. Newfoundland Power submit a revised CIAC Policy in its entirety incorporating the
28 revisions approved herein.

DATED at St. John's, Newfoundland and Labrador this 3rd day of February 2009.

Andy Wells
Chair and Chief Executive Officer

Darlene Whalen, P.Eng.
Vice-Chairperson

Dwanda Newman, LLB
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 | 25 |

¹ This cost factor does not include any costs for clearing or obtaining easements. When clearing is required, an additional charge of \$3.25/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 | 25 |
| Three Phase | 37 |
| <u>UPGRADES³</u> | |
| Single Phase to Three Phase | 33 |
| Two Phase to Three Phase | 20 |

² These cost factors do not include any costs for clearing or obtaining easements. When clearing is required, an additional charge of \$3.25/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% | 70 |
| 5% - 9.9% | 101 |
| 10% - 14.9% | 110 |
| 15% - 19.9% | 125 |
| 20% - 24.9% | 135 |
| 25% - 29.9% | 141 |
| 30% - 34.9% | 150 |
| 35% - 39.9% | 159 |
| 40% - 44.9% | 168 |
| 45% - 49.9% | 175 |
| 50% - 54.9% | 180 |
| 55% - 59.9% | 185 |
| 60% - 64.9% | 194 |
| 65% - 69.9% | 199 |
| 70% and Over | 204 |

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' | 1,330 |
| DISTRIBUTION SECONDARY PER POLE / SPAN | |
| Transfer Only | 580 |
| Replace Conductor | 830 |
| SERVICE DROP PER POLE / SPAN | |
| Transfer Only | 60 |
| Replace Conductor | 150 |
| TRANSFORMER MOUNTINGS | |
| Single Transformer | 720 |
| Two or Three Transformers | 1,790 |
| POLE GUY | |
| Transfer Only | 30 |
| Replace Guy | 80 |
| REPLACE ANCHOR | 350 |
| STREETLIGHTING - TRANSFER SINGLE FIXTURE | 170 |
| STREETLIGHTING DUPLEX PER POLE / SPAN | |
| Transfer Only | 60 |
| Replace Conductor | 150 |
| UNWARRANTED THREE PHASE CONSTRUCTION COST (SERVICE DROP, METER & TRANSFORMER) | |
| New Service | 8,000 |
| Upgrade Single Phase to Three Phase | 4,500 |
| Upgrade Two Phase to Three Phase | 2,000 |
| VALUE OF SINGLE PHASE BASIC INVESTMENT | 5,500 |

⁵ Includes all overheads.