

**NEWFOUNDLAND AND LABRADOR HYDRO**  
**SUPPLEMENTARY EVIDENCE OF PAUL R. HAMILTON**

1 Q. What is the purpose of this supplementary evidence?

2

3 A. The purpose of this supplementary evidence is to file revisions to my pre-filed  
 4 evidence to reflect the changes in rates for the various customer classes  
 5 resulting from the revised 2002 Cost of Service study filed by Mr. Brickhill.  
 6 Revised evidence, pages 9 to 13, and revised pages in Schedules I, III and  
 7 IV are attached. I have also prepared the following table to provide a  
 8 comparison of the percentage increases by rate class based on the revised  
 9 2002 study and the pre-filed 2002 study.

10

11

**Comparison of Percentage Revenue Changes**

12

**Based on Full Year 2002**

13

14

|                               | <b>Pre-filed</b> | <b>Revision</b> |
|-------------------------------|------------------|-----------------|
| Newfoundland Power            | 6.7%             | 6.6%            |
| Industrial                    |                  |                 |
| - firm                        | 10.4%            | 8.5%            |
| - non-firm                    | 29.9%            | 29.9%           |
| - wheeling                    | 7.1%             | -2.9%           |
| Rural Island Interconnected   | 3.7%             | 3.6%            |
| Rural Isolated Systems        |                  |                 |
| Non-government                | 3.7%             | 3.6%            |
| Government                    | 20.0%            | 20.0%           |
| L'Anse au Loup                | 3.7%             | 3.6%            |
| Rural Labrador Interconnected |                  |                 |
| Domestic                      | 1.7%             | 2.7%            |
| GS 2.1 0 – 10 kW              | -15.2%           | -15.2%          |
| GS 2.2 10 – 100 kW            | -28.6%           | -8.6%           |
| GS 2.3 110 – 1000 kVA         | -24.1%           | -13.4%          |
| GS 2.4 Over 1000 kVA          | -34.4%           | -15.4 %         |
| Street & Area Lighting        | 15.8%            | 15.8%           |
| Labrador Interconnected Total | -13.1%           | -4.9%           |
| CFB Goose Bay – Secondary     | 0.0%             | 0.0%            |
| Total                         | 6.1%             | 6.1%            |

28

1 The average increase to Hydro Interconnected and Isolated Systems  
2 customers is reduced from an increase of 3.68% to an increase of 3.62%  
3 based on our estimate of Newfoundland Power's resulting pass through  
4 increase in its retail rates. This revised increase, however, has not been  
5 reflected in the revenue figures used in the Revised 2002 Cost of Service  
6 study as such a change will require several iterations to adjust for the  
7 impacts on the deficit and interest expense calculations. These adjustments  
8 will be reflected in the detailed update to be submitted in late October to  
9 reflect the actual costs up to the end of August 2001.

10

11

12 Q. Does this conclude this supplementary evidence?

13

14 A. Yes.

**Newfoundland & Labrador Hydro**  
**Pre-filed Evidence of P. R. Hamilton**  
**Revisions – Oct. 3, 2001**

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|              |  |
|--------------|--|
| Page 9       | Table 2<br>Lines 8 & 10  |
| Page 10      | Lines 5 & 6<br>Table 3<br>Lines 18 & 26  |
| Page 11      | Line 1   |
| Page 12      | Line 21<br>Line 28 Reference to Rate 3.1 in Happy Valley/Goose Bay added   |
| Page 13      | Lines 15 & 20  |
| Schedule I   | Pages 1, 3, 4, 9, 11 (Proposed Rates only)   |
| Schedule III | Changed Rates  |
| Schedule IV  | Page 1 Revised Table<br>Page 2 Changed "Page 2 of 8" to "Page 2 of 9"<br>Page 3 Revised Table<br>Page 4 Revised Table<br>Page 5 New Table<br>Page 6 Changed "Page 5 of 8" to "Page 6 of 9"<br>Page 7 Changed "Page 6 of 8" to "Page 7 of 9"<br>Page 8 Changed "Page 7 of 8" to "Page 8 of 9"<br>Page 9 Revised Table |

**Table 2**  
**Comparison of Revenue at Existing and Proposed Rates**  
**Based on Full Year 2002**

|                               | Existing<br>Rates    | Proposed<br>Rates    | Change<br>\$         | Change<br>% |
|-------------------------------|----------------------|----------------------|----------------------|-------------|
| Newfoundland Power            | \$200,369,992        | \$213,607,660        | \$13,237,668         | 6.6%        |
| Industrial                    |                      |                      |                      |             |
| - firm                        | 45,266,225           | 49,112,361           | \$3,846,136          | 8.5%        |
| - non-firm                    | 293,393              | 381,121              | \$87,728             | 29.9%       |
| - wheeling                    | 6,490                | 6,300                | (\$190)              | -2.9%       |
| Rural Island Interconnected   | 30,517,104           | 31,639,918           | 1,122,814            | 3.7% *      |
| Rural Isolated Systems        |                      |                      |                      |             |
| Non-government                | 4,500,581            | 4,666,055            | 165,474              | 3.7% *      |
| Government                    | 680,603              | 816,722              | 136,119              | 20.0%       |
| L'Anse au Loup                | 1,095,800            | 1,136,125            | 40,325               | 3.7% *      |
| Rural Labrador Interconnected |                      |                      |                      |             |
| Domestic                      | 5,613,755            | 5,766,932            | 153,177              | 2.7%        |
| GS 2.1 0 - 10 kW              | 256,118              | 217,095              | -39,023              | -15.2%      |
| GS 2.2 10 - 100 kW            | 2,027,972            | 1,853,605            | -174,367             | -8.6%       |
| GS 2.3 110 - 1000 kVA         | 2,632,106            | 2,280,106            | -352,000             | -13.4%      |
| GS 2.4 Over 1000 kVA          | 1,244,216            | 1,052,653            | -191,563             | -15.4%      |
| Street & Area Lighting        | 140,495              | 162,693              | 22,198               | 15.8%       |
| Labrador Interconnected Total | \$11,914,662         | \$11,333,084         | -\$581,578           | -4.9%       |
| CFB Goose Bay - Secondary     | 2,991,483            | 2,991,483            | 0                    | 0.0%        |
| <b>Total</b>                  | <b>\$297,636,333</b> | <b>\$315,690,829</b> | <b>\$ 18,054,496</b> | <b>6.1%</b> |

\* Original estimated increase resulting from Newfoundland Power's subsequent pass-through hearing.

1 The proposed rates are summarized in Schedule I and will be discussed  
2 together with the impacts on customer's annual costs by system and  
3 customer group. Rural rates that will be set as a result of NP's pass-through  
4 hearing are not included in Schedule I.

5

6 Q. Please describe the proposed rate for NP.

7

8 A. Hydro proposes a rate of 47.95 mills per kWh effective January 1, 2002.  
9 The firming up charge for secondary energy from Corner Brook Pulp and  
10 Paper Limited is 10.89 mills per kWh as shown on Schedule 1.4 of the 2002  
11 COS Study.

1 Q. Please describe the proposed rates to be charged Island Industrial  
2 Customers.

3

4 A. Hydro proposes a firm service rate effective January 1, 2002 comprised of a  
5 demand charge of \$6.77 per kW of billing demand per month and an energy  
6 charge of 22.79 mills per kWh plus the appropriate specifically assigned  
7 charge as outlined in the following table.

8

9

**Table 3**

10

**Industrial Customer Specifically Assigned Charges**

|                             | Annual Amount |
|-----------------------------|---------------|
| ACI – Grand Falls           | \$ 156,478    |
| ACI – Stephenville          | 91,123        |
| Corner Brook Pulp and Paper | 108,850       |
| North Atlantic Refining     | 177,364       |

11

12 For Industrial Customers taking firm service, we also propose a rate for non-  
13 firm service. This rate is comprised of a demand charge of \$1.50 per kW and  
14 a variable energy charge based on the calculation outlined on Page 3 of the  
15 proposed Schedule of Rates attached as Schedule A to the Application. It  
16 should be noted that the RSP does not apply to the non-firm service rate. In  
17 addition, Hydro currently wheels energy for Abitibi-Consolidated. The  
18 proposed rate for this wheeling on Hydro's transmission grid is 6.30 mills per  
19 kWh.

20

21 Q. Please describe the proposed rates for Island Interconnected Rural and  
22 L'Anse au Loup System customers.

23

24 A. Hydro has not designed specific rates for these customers, as the rates  
25 charged by NP will apply. We estimate the increase to NP will result in an  
26 average increase to their customers of 3.62%. We have however included

1 the original allowance for an increase of 3.68% in the 2002 revenue from  
2 these customers.

3  
4 Hydro currently offers fewer options for Street and Area Lighting service than  
5 are listed on the current rate sheet. A revised listing of the options that  
6 Hydro offers is shown on Page 8 of Schedule A to the Application. The rates  
7 themselves will continue to reflect those charged by NP.

8  
9 Q. Please describe the rates Hydro is proposing for Isolated Rural Systems  
10 customers effective January 1, 2002.

11  
12 A. Hydro has not designed specific rates for these customers, with the  
13 exception of Government rate classes. Rather we have included the  
14 estimated additional revenue in the 2002 COS based on an average  
15 increase of 3.68% on all rate components. The final rates will reflect the  
16 relevant NP rate for the lifeline portion of the rates while the other  
17 components will receive the average overall change in NP's rates resulting  
18 from this application.

19  
20 A revised rate sheet for Street and Area Lighting Service is shown on Page  
21 9 of Schedule A to the Application to reflect the options currently offered by  
22 Hydro similar to that outlined above. The rates themselves will continue to  
23 reflect those charged by NP.

24  
25 The proposed rates effective January 1, 2002 for government agencies and  
26 departments are summarized in Schedule I. These rates were developed by  
27 increasing each component of the existing Isolated Rural Systems rates by  
28 20% consistent with our rate design guideline to limit the level of increase to  
29 each rate class to 20%. Schedule II provides an analysis of the impacts on  
30 customers' annual costs resulting from this rate change. It should be noted

1 that even though each component was increased approximately 20%, the  
2 increases range from approximately 19% to 21% due to rounding.

3

4 Q. Please explain the rates Hydro is proposing for the Labrador Interconnected  
5 System customers.

6

7 A. As indicated earlier Hydro is proposing to move to one set of rates for the  
8 Labrador Interconnected System consistent with having one COS for the  
9 System. As a starting point, a set of rates for Labrador was designed based  
10 on the existing rate categories in the Island Interconnected System. Rates  
11 were developed to provide the revenue requirement from each rate class  
12 based on the target recovery levels indicated earlier in my evidence. These  
13 rates, other than for Street and Area Lighting, are summarized in Schedule  
14 III.

15

16 A set of firm service rates was designed for 2002 that would move towards  
17 this long-term structure. As outlined in Mr. Brickhill's evidence, revenue from  
18 secondary sales in Labrador has been credited in the COS study to the  
19 other regulated rate classes on the Labrador Interconnected System. This  
20 revenue has reduced the revenue requirement for 2002 and resulted in an  
21 average overall decrease for Labrador retail rates of 4.9% from existing  
22 rates. These proposed rates, outlined in Schedule I, reflect the 2002 COS  
23 Study results.

24

25 While it was not possible at this time to develop a single rate for either rate  
26 class across the System, we were able to develop similar rates for Happy  
27 Valley/Goose Bay and the Labrador City/Wabush areas with some  
28 components the same. With the exception of Rate 3.1 in Happy  
29 Valley/Goose Bay, we were able to consolidate the rates in each of these  
30 areas into a single set of rates based on the proposed rate classes for each  
31 area. The move to one set of rates will require several interim steps.

1 The changes in rate categories and rate structures will cause different  
2 impacts on customers depending on the area in which a customer resides  
3 and the rate at which the customer is currently billed. Therefore analyses  
4 have been prepared for each area.

5  
6 Schedule I summarizes the proposed rates effective January 1, 2002. Pages  
7 3 to 7 outline the rates for the Happy Valley/Goose Bay area while Pages 8  
8 to 12 outline the proposed rates for the Labrador City/Wabush area.  
9 Schedule IV shows the impacts of proposed rates, except Street and Area  
10 Lighting rates, for each area by rate class based on customer usage  
11 patterns in 2000. While customer's specific usage patterns tend to vary from  
12 year to year the analyses provide a good indication of the range of impacts  
13 customers may experience.

14  
15 Schedule IV, Pages 1 to 5 show the impacts on customers in the Happy  
16 Valley/Goose Bay area. Most customers in this area will experience  
17 reductions because their existing rates are generally higher than the  
18 proposed rates identified in Schedule I.

19  
20 Pages 6 to 9 of Schedule IV show the impacts on customers in the Labrador  
21 City/Wabush area. The range of impacts is quite broad because of the wide  
22 range of existing rate classes and rate structures. For example the Domestic  
23 class increases range from 3% to 193%. The latter reflects an annual  
24 increase of \$38 because the customer used very little energy so the  
25 increase is due primarily to the increase in the basic customer charge from  
26 \$1.15 to \$3.75 per month.

27  
28 In addition, the prompt payment discount has been expanded to all rate  
29 classes and is the same as on the Island Interconnected System. Minimum  
30 monthly charges and alternate energy rates similar to those on the Island  
31 Interconnected System are being proposed for all General Service rates.



**Newfoundland and Labrador Hydro  
Comparison of Existing and Proposed Rates  
Island Interconnected System**

**Schedule I  
Page 1 of 12  
P. R. Hamilton  
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|                                  | <b>Existing Rates</b>   | <b>Proposed Rates</b>   |
|----------------------------------|-------------------------|-------------------------|
| <b><u>Newfoundland Power</u></b> |                         |                         |
| Firm Service                     | 4.531 ¢ per kWh         | 4.795 ¢ per kWh         |
| HST Credit                       | (\$123,083) per month   | -                       |
| Secondary Firming up Charge      | 1.040 ¢ per kWh         | 1.089 ¢ per kWh         |
| <b><u>Island Industrial</u></b>  |                         |                         |
| Firm Service                     |                         |                         |
| Demand Charge                    | \$7.36 per kW per month | \$6.77 per kW per month |
| Energy Charge                    | 1.934 ¢ per kWh         | 2.279 ¢ per kWh         |
| Non-Firm Service                 |                         |                         |
| Interruptible A                  |                         |                         |
| Demand Charge                    | \$7.36 per kW per month | \$1.50 per kW per month |
| Energy Charge                    | 1.934 ¢ per kWh         | Fuel-based rate         |
| Emergency Power                  |                         |                         |
| Demand Charge                    | -                       | \$1.50 per kW per month |
| Energy Charge                    | Fuel-based rate         | Fuel-based rate         |
| Exceptional Power                |                         |                         |
| Demand Charge                    | \$7.36 per kW per month | \$1.50 per kW per month |
| Energy Charge                    | Fuel-based rate         | Fuel-based rate         |
| Wheeling                         | 0.649 ¢ per kWh         | 0.630 ¢ per kWh         |

**Newfoundland and Labrador Hydro  
Comparison of Existing and Proposed Rates  
Happy Valley-Goose Bay Area**

**Schedule I  
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|                         | <b>Existing Rates</b>             | <b>Proposed Rates</b>                               |
|-------------------------|-----------------------------------|---|
| <b>Domestic</b>         | <b>1.1A</b>                       | <b>1.1H</b>   |
| Basic Customer Charge   | \$6.00 per month                  | \$7.00 per month                                    |
| Energy Charge           |                                   |   |
| - First 600 kWh         | 4.100 ¢ per kWh                   | -   |
| - Excess kWh            | 3.300 ¢ per kWh                   | -   |
| - All kWh               | -                                 | 3.250 ¢ per kWh                                     |
| Minimum Monthly Charge  | \$6.00                            | \$7.00  |
| Prompt Payment Discount | 10% - Maximum \$1                 | 1.50% - Minimum \$1                                 |
| <b>G.S. 0 - 10 kW</b>   | <b>2.1A</b>                       | <b>2.1H</b>   |
| Basic Customer Charge   | \$9.10 per month                  | \$9.10 per month                                    |
| Energy Charge           | 5.400 ¢ per kWh                   | 3.220 ¢ per kWh                                     |
| Minimum Monthly Charge  |                                   |   |
| - Single Phase          | \$9.10                            | \$9.10  |
| - Three Phase           | \$20.00                           | \$20.00   |
| Prompt Payment Discount | 10% - Maximum \$1                 | 1.50% - Minimum \$1                                 |
| <b>G.S. 10 - 100 kW</b> | <b>2.2A</b>                       | <b>2.2H</b>   |
| Demand Charge           |                                   |   |
| - Regular               | \$3.85 per kW of Annual Peak      | \$2.00 per kW of Current Month Demand               |
| - Churches and Schools  | \$1.87 per kW of Annual Peak      | \$2.00 per kW of Current Month Demand               |
| Energy Charge           |                                   |   |
| - First 100 kWh per kW  | 5.600 ¢ per kWh                   | -   |
| - Excess kWh            | 2.900 ¢ per kWh                   | -   |
| - All kWh               | -                                 | 3.050 ¢ per kWh                                     |
| Maximum Monthly Charge  | 10.750 ¢ per kWh                  | 6.800 ¢ per kWh; not less than the Minimum Charge   |
| Minimum Monthly Charge  | \$1.25 per kW of Annual Peak      | \$1.05 per kW of Annual Peak                        |
| - Three Phase           | \$1.25 per kW of Annual Peak      | \$1.05 per kW of Annual Peak; not less than \$20.00 |
| Prompt Payment Discount |                                   |   |
| - Regular               | 25.000 ¢ per kW of Billing Demand | 1.50% - Minimum \$1                                 |
| - Churches and Schools  | 12.000 ¢ per kW of Billing Demand | 1.50% - Minimum \$1                                 |

**Newfoundland and Labrador Hydro  
Comparison of Existing and Proposed Rates  
Happy Valley-Goose Bay Area (continued)**

**Schedule I  
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|   | <b>Existing Rates</b>  | <b>Proposed Rates</b>  |
|---|--|--|
| <b><u>G.S. 110 kVA and over</u></b><br>Demand Charge<br>Energy Charge<br>- First 150 kWh per kVA; Maximum 90,000kWh<br>- Excess kWh<br>- All kWh<br>Maximum Monthly Charge<br>Minimum Monthly Charge<br>- For Annual Peak < 350 kVA<br>- For Annual Peak ≥ 350 kVA<br>Prompt Payment Discount           | <b>2.3A</b><br>\$3.50 per kVA of Annual Peak<br>3.750 ¢ per kWh<br>2.100 ¢ per kWh<br>-<br>10.750 ¢ per kWh (if < 350 kVA)<br>\$1.25 per kVA of Annual Peak<br>\$3.50 per kVA of Annual Peak<br>-                    | <b>2.3H &lt; 1000 kVa</b><br>\$1.85 per kVA of Current Month Demand<br>-<br>-<br>2.950 ¢ per kWh<br>6.800 ¢ per kWh; not less than the Minimum Charge<br>\$1.05 per kVA of Annual Peak<br>\$1.05 per kVA of Annual Peak<br>1.50% - Maximum \$500 |
| <b><u>G.S. 1000 kVA and over</u></b><br>Demand Charge<br>Energy Charge<br>Maximum Monthly Charge<br>Minimum Monthly Charge<br>Prompt Payment Discount   | <b>(See 2.3A above)</b><br>-<br>-<br>-<br>-<br>-   | <b>2.4H</b><br>\$1.70 per kVA of Current Month Demand<br>2.50 ¢ per kWh<br>6.800 ¢ per kWh; not less than the Minimum Charge<br>\$1.05 per kVA of Annual Peak<br>1.50% - Maximum \$500   |
| <b><u>Electric Heating G.S.</u></b><br>Demand Charge<br>Energy Charge<br>Maximum Monthly Charge<br>Minimum Monthly Charge   | <b>3.1A</b><br>\$2.35 per kVA of Annual Peak<br>2.100 ¢ per kWh<br>10.750 ¢ per kWh<br>\$1.25 per kVA of Annual Peak   | <b>3.1H</b><br>\$2.00 per kVA of Current Month Demand<br>2.50 ¢ per kWh<br>6.800 ¢ per kWh; not less than the Minimum Charge<br>\$1.05 per kVA of Annual Peak<br>1.50% - Minimum of \$1; Maximum of \$500  |
| <b><u>All-Electric G.S.</u></b><br>Demand Charge<br>Energy Charge<br>- First 120 kWh per kVA; Maximum 22,000kWh<br>- Excess kWh<br>Minimum Monthly Charge<br>- Single Phase<br>- Three Phase<br><b>Alternate Rate if less than 350 kVA</b><br>Minimum Monthly Charge<br>- Single Phase<br>- Three Phase | <b>3.2A</b><br>\$3.50 per kVA of Annual Peak<br>3.700 ¢ per kWh<br>2.100 ¢ per kWh<br>\$3.50 per kVA of Annual Peak<br>\$10.00<br>\$20.00<br>10.750 ¢ per kWh<br>\$1.25 per kVA of Annual Peak<br>\$10.00<br>\$20.00 | <p style="text-align: center;">Applicable General Service Rate<br/>Based on Load Characteristics</p>   |

**Newfoundland and Labrador Hydro  
Comparison of Existing and Proposed Rates  
Labrador City Area (continued)**

**Schedule I  
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|  | <b>Existing Rates</b>  | <b>Proposed Rates</b>                                     |
|--|--|---|
| <b><u>G.S. 110 - 1000 kVA</u></b>        |  | <b>2.3W</b>   |
| Demand Charge                            | -  | \$1.85 per kVA of Current Month Demand                    |
| Energy Charge                            | -  | 1.500 ¢ per kWh   |
| Maximum Monthly Charge                   | -  | 6.800 ¢ per kWh; not less than the Minimum Charge         |
| Minimum Monthly Charge                   | -  | \$1.05 per kVA of Annual Peak                             |
| Prompt Payment Discount                  | -  | 1.50% - Maximum \$500                                     |
| <b><u>G.S. 1000 kVA and over</u></b>     |  | <b>2.4W</b>   |
| Demand Charge                            | -  | \$1.70 per kVA of Current Month Demand                    |
| Energy Charge                            | -  | 1.400 ¢ per kWh   |
| Maximum Monthly Charge                   | -  | 6.800 ¢ per kWh; not less than the Minimum Charge         |
| Minimum Monthly Charge                   | -  | \$1.05 per kVA of Annual Peak                             |
| Prompt Payment Discount                  | -  | 1.50% - Maximum \$500                                     |
| <b><u>Street and Area Lighting</u></b>   |  | <b>4.1W</b>   |
| <b>Installed after December 31, 2001</b> |  | <b>Monthly Rates<br/>Sentinel/<br/>Standard</b>           |
| 100 W                                    | -  | \$7.11  |
| 150 W                                    | -  | \$9.09  |
| 250 W                                    | -  | \$10.36   |
| 400 W                                    | -  | \$13.70   |
| <b>Wood Poles</b>                        | -  | \$3.00  |
| <b>Installed as of December 31, 2001</b> | <b>Labrador City Rate<br/>Monthly Rates<br/>Sentinel/<br/>Standard</b> | <b>4.11W<br/>Monthly Rates<br/>Sentinel/<br/>Standard</b> |
| <b>High Pressure Sodium</b>              |  |   |
| 150 W                                    | \$1.15   | \$2.65  |
| <b>Wood Poles</b>                        | -  | \$3.00  |

**Newfoundland and Labrador Hydro**  
**Comparison of Existing and Proposed Rates**  
**Wabush Area (continued)**

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|  | <b>Existing Rates</b>                                   | <b>Proposed Rates</b>  |
|--|---|--|
| <b><u>G.S. 100 kW and over (Three Phase)</u></b>         | <b>2.3</b>  | <b>2.3W 110 kVA - 1000 kVA</b>                                   |
| Demand Charge  | \$2.19 per kW of Current Demand                         | \$1.85 per kW of Current Month Demand                            |
| Energy Charge  |   |  |
| - First 150 kWh per kW                                   | 2.402 ¢ per kWh   | -  |
| - Excess kWh   | 1.333 ¢ per kWh   | -  |
| - All kWh  | -   | 1.500 ¢ per kWh  |
| Maximum Monthly Charge                                   | 6.450 ¢ per kWh   | 6.800 ¢ per kWh; not less than the Minimum Charge                |
| Minimum Monthly Charge                                   | \$1.15 per kW of Current Demand                         | \$1.05 per kW of Annual Peak                                     |
| Prompt Payment Discount                                  | -   | 1.50% - Maximum \$500  |
| <b><u>G.S. 1000 kVA and over</u></b>                     | <b>(See 2.3 above)</b>                                  | <b>2.4W</b>  |
| Demand Charge  | -   | \$1.70 per kW of Current Month Demand                            |
| Energy Charge  |   |  |
| - First 150 kWh per kW                                   | -   | -  |
| - Excess kWh   | -   | -  |
| - All kWh  | -   | 1.400 ¢ per kWh  |
| Maximum Monthly Charge                                   | -   | 6.800 ¢ per kWh; not less than the Minimum Charge                |
| Minimum Monthly Charge                                   | -   | \$1.05 per kW of Annual Peak                                     |
| Prompt Payment Discount                                  | -   | 1.50% - Maximum \$500  |
| <b><u>G.S. All-Electric (Single Phase)</u></b>           | <b>3.2</b>  |  |
| Demand Charge  | \$1.33 per kW of Current Month Demand                   |  |
| Energy Charge  |   |  |
| - First 150 kWh per kW                                   | 4.324 ¢ per kWh   |  |
| - Excess kWh   | 1.333 ¢ per kWh   |  |
| Maximum Monthly Charge                                   | 6.800 ¢ per kWh   |  |
| Minimum Monthly Charge                                   | \$1.15 per kW of Current Month Demand<br>\$4.95 Minimum | Applicable General Service Rate<br>Based on Load Characteristics |
| <b><u>G.S. All-Electric 0 - 100 kW (Three Phase)</u></b> | <b>3.2A</b>   |  |
| Demand Charge  | \$2.19 per kW of Current Demand                         |  |
| Energy Charge  |   |  |
| - First 150 kWh per kW                                   | 2.402 ¢ per kWh   |  |
| - Excess kWh   | 1.333 ¢ per kWh   |  |
| Maximum Monthly Charge                                   | 6.450 ¢ per kWh   |  |
| Minimum Monthly Charge                                   | \$1.15 per kW of Current Demand<br>\$9.90 Minimum       | Applicable General Service Rate<br>Based on Load Characteristics |

**Newfoundland and Labrador Hydro  
Labrador Interconnected System  
Long-Term Rate Structures**

**Domestic**

|                         |                  |
|-------------------------|------------------|
| Basic Customer Charge   | \$8.45 per Month |
| Energy Charge – All kWh | 2.24¢ per kWh    |
| Minimum Monthly Charge  | \$8.45           |

**General Service 0 – 10 kW**

|                         |                  |
|-------------------------|------------------|
| Basic Customer Charge   | \$9.60 per Month |
| Energy Charge – All kWh | 3.87¢ per kWh    |
| Minimum Monthly Charge  |                  |
| - Single phase          | \$9.60           |
| - Three phase           | \$19.20          |

**General Service 10 – 100 kW**

|                                     |               |
|-------------------------------------|---------------|
| Demand Charge                       | \$2.20 per kW |
| Energy Charge – All kWh             | 1.95¢ per kWh |
| Minimum Monthly Charge -Three phase | \$19.20       |

**General Service 110 – 1000 kVA**

|                         |                |
|-------------------------|----------------|
| Demand Charge           | \$1.85 per kVA |
| Energy Charge – All kWh | 1.40¢ per kWh  |

**General Service 1000 kVA and Over**

|                         |                |
|-------------------------|----------------|
| Demand Charge           | \$1.65 per kVA |
| Energy Charge – All kWh | 1.30¢ per kWh  |

**Newfoundland and Labrador Hydro  
Impact of Proposed Rates on Annual Electricity Costs  
Happy Valley-Goose Bay  
Domestic Rate 1.1H**

| Change in Annual Costs (\$) | <u>Percentage Change in Annual Costs</u> |               |               |              |              | Total          |
|-----------------------------|--|---------------|---------------|--------------|--------------|----------------|
|                             | -14% to -10%                             | -10% to -5%   | -5% to 0%     | 0% to 20%    | 20% to 40%   |                |
| -115 to -80                 |  |               | 2.32%         |              |              | 2.32%          |
| -80 to -40                  | 2.14%                                    | 65.17%        | 20.71%        |              |              | 88.02%         |
| -40 to 0                    | 0.78%                                    | 3.67%         | 1.57%         |              |              | 6.02%          |
| 0 to 12                     |  |               |               | 3.53%        |              | 3.53%          |
| 12 to 25                    |  |               |               | 0.07%        | 0.04%        | 0.11%          |
| <b>Total:</b>               | <b>2.92%</b>                             | <b>68.84%</b> | <b>24.60%</b> | <b>3.60%</b> | <b>0.04%</b> | <b>100.00%</b> |

Each number in the body of the table represents the proportion of customers with the combination of percent range at the top and dollar range to the left.

Notes: (1) The average number of customers for 2000 was 3,367.  
(2) This analysis is based on 2000 usage patterns.

**Newfoundland and Labrador Hydro  
Impact of Proposed Rates on Annual Electricity Costs  
Happy Valley-Goose Bay  
General Service 2.1H**

| Change in Annual Costs (\$) | <u>Percentage Change in Annual Costs</u> |               |               |              |              | Total          |
|-----------------------------|--|---------------|---------------|--------------|--------------|----------------|
|                             | -57% to -30%                             | -30% to 0%    | 0% to 20%     | 20% to 30%   | 30% to 40%   |                |
| -1,400 to -700              | 2.39%                                    |               |               |              |              | 2.39%          |
| -700 to 0                   | 31.58%                                   | 48.33%        | 0.48%         |              |              | 80.38%         |
| 0 to 80                     |  | 0.48%         | 10.05%        |              |              | 10.53%         |
| 80 to 160                   |  |               | 3.35%         | 2.39%        |              | 5.74%          |
| 160 to 240                  |  |               |               |              | 0.96%        | 0.96%          |
| <b>Total:</b>               | <b>33.97%</b>                            | <b>48.80%</b> | <b>13.88%</b> | <b>2.39%</b> | <b>0.96%</b> | <b>100.00%</b> |

Each number in the body of the table represents the proportion of customers with the combination of percent range at the top and dollar range to the left.

Notes: (1) The average number of customers for 2000 was 258.  
(2) This analysis is based on 2000 usage patterns.



**Newfoundland and Labrador Hydro  
Impact of Proposed Rates on Annual Electricity Costs  
Happy Valley-Goose Bay  
General Service 2.2H**

| Change in Annual<br>Costs (\$) | <u>Percentage Change in Annual Costs</u> |                 |                |              |              | Total          |
|--------------------------------|--|-----------------|----------------|--------------|--------------|----------------|
|                                | -56% to<br>-40%                          | -40% to<br>-20% | -20% to<br>-0% | -0% to<br>7% | 7% to<br>14% |                |
| -2,900 to -2,000               | 0.71%                                    | 1.77%           | 0.71%          |              |              | 3.18%          |
| -2,000 to -1,000               | 1.06%                                    | 5.65%           | 8.13%          |              |              | 14.84%         |
| -1,000 to 0                    | 0.71%                                    | 19.08%          | 52.65%         |              |              | 72.44%         |
| 0 to 1,000                     |  |                 |                | 7.77%        | 1.06%        | 8.83%          |
| 1,000 to 2,015                 |  |                 |                |              | 0.71%        | 0.71%          |
| <b>Total:</b>                  | <b>2.47%</b>                             | <b>26.50%</b>   | <b>61.48%</b>  | <b>7.77%</b> | <b>1.77%</b> | <b>100.00%</b> |

Each number in the body of the table represents the proportion of customers with the combination of percent range at the top and dollar range to the left.

Notes: (1) The average number of customers for 2000 was 312.  
(2) This analysis is based on 2000 usage patterns.

**Newfoundland and Labrador Hydro  
Impact of Proposed Rates on Annual Electricity Costs  
Happy Valley-Goose Bay  
General Service 2.3H**

| Change in Annual<br>Costs (\$) | <u>Percentage Change in Annual Costs</u> |                 |                |              |              | Total          |
|--------------------------------|--|-----------------|----------------|--------------|--------------|----------------|
|                                | -50% to<br>-35%                          | -35% to<br>-20% | -20% to<br>-5% | -5% to<br>0% | 0% to<br>2%  |                |
| -21,000 to -15,000             | 3.13%                                    |                 |                |              |              | 3.13%          |
| -15,000 to -10,000             |  | 3.13%           |                |              |              | 3.13%          |
| -10,000 to -5,000              | 3.13%                                    | 12.50%          | 12.50%         |              |              | 28.13%         |
| -5,000 to 0                    | 3.13%                                    | 21.88%          | 31.25%         | 6.25%        |              | 62.50%         |
| 0 to 1,900                     |  |                 |                |              | 3.13%        | 3.13%          |
| <b>Total:</b>                  | <b>9.38%</b>                             | <b>37.50%</b>   | <b>43.75%</b>  | <b>6.25%</b> | <b>3.13%</b> | <b>100.00%</b> |

Each number in the body of the table represents the proportion of customers with the combination of percent range at the top and dollar range to the left.

Notes: (1) The average number of customers for 2000 was 41.  
(2) This analysis is based on 2000 usage patterns.

**Newfoundland and Labrador Hydro  
Impact of Proposed Rates on Annual Electricity Costs  
Happy Valley-Goose Bay  
General Service 3.1H**

| Change in Annual<br>Costs (\$) | <u>Percentage Change in Annual Costs</u> |               |               |               |               | Total          |
|--------------------------------|--|---------------|---------------|---------------|---------------|----------------|
|                                | -9% to<br>-6%                            | -6% to<br>-3% | -3% to<br>0%  | 0% to<br>3%   | 3% to<br>6%   |                |
| -310 to -200                   | 22.22%                                   |               |               |               |               | 22.22%         |
| -200 to -100                   |  |               | 22.22%        |               |               | 22.22%         |
| -100 to 0                      |  |               | 33.33%        |               |               | 33.33%         |
| 0 to 100                       |  |               |               | 11.11%        |               | 11.11%         |
| 100 to 4,500                   |  |               |               |               | 11.11%        | 11.11%         |
| <b>Total:</b>                  | <b>22.22%</b>                            | <b>0.00%</b>  | <b>55.56%</b> | <b>11.11%</b> | <b>11.11%</b> | <b>100.00%</b> |

Each number in the body of the table represents the proportion of customers with the combination of percent range at the top and dollar range to the left.

Notes: (1) The average number of customers for 2000 was 9.  
(2) This analysis is based on 2000 usage patterns.

**Newfoundland and Labrador Hydro  
Impact of Proposed Rates on Annual Electricity Costs  
Labrador City/Wabush  
Domestic 1.1W**

| Change in<br>Annual Costs (\$) | <u>Percentage Change in Annual Costs</u> |               |                |                 |                 | Total          |
|--------------------------------|--|---------------|----------------|-----------------|-----------------|----------------|
|                                | 3% to<br>20%                             | 20% to<br>50% | 50% to<br>100% | 100% to<br>150% | 150% to<br>193% |                |
| 6 to 53                        | 19.10%                                   | 14.43%        | 2.01%          | 0.50%           | 0.42%           | 36.46%         |
| 53 to 100                      | 7.05%                                    | 12.44%        |                |                 |                 | 19.50%         |
| 100 to 147                     | 39.13%                                   |               |                |                 |                 | 39.13%         |
| 147 to 194                     | 4.83%                                    |               |                |                 |                 | 4.83%          |
| 194 to 241                     | 0.08%                                    |               |                |                 |                 | 0.08%          |
| <b>Total:</b>                  | <b>70.20%</b>                            | <b>26.87%</b> | <b>2.01%</b>   | <b>0.50%</b>    | <b>0.42%</b>    | <b>100.00%</b> |

Each number in the body of the table represents the proportion of customers with the combination of percent range at the top and dollar range to the left.

Notes: (1) The average number of customers for 2000 was 4,250.  
(2) This analysis is based on 2000 usage patterns.

**Newfoundland and Labrador Hydro  
Impact of Proposed Rates on Annual Electricity Costs  
Labrador City/Wabush  
General Service 2.1W**

| Change in Annual Costs (\$) | <u>Percentage Change in Annual Costs</u> |               |               |               |               | Total          |
|-----------------------------|--|---------------|---------------|---------------|---------------|----------------|
|                             | -36% to -20%                             | -20% to 0%    | 0% to 20%     | 20% to 50%    | 50% to 1150%  |                |
| -230 to -115                | 2.63%                                    |               |               |               |               | 2.63%          |
| -115 to 0                   | 1.75%                                    | 14.91%        |               |               |               | 16.67%         |
| 0 to 75                     |  |               | 21.93%        | 7.89%         | 14.91%        | 44.74%         |
| 75 to 150                   |  |               | 3.51%         | 7.02%         | 19.30%        | 29.82%         |
| 150 to 245                  |  |               | 0.88%         | 1.75%         | 3.51%         | 6.14%          |
| <b>Total:</b>               | <b>4.39%</b>                             | <b>14.91%</b> | <b>26.32%</b> | <b>16.67%</b> | <b>37.72%</b> | <b>100.00%</b> |

Each number in the body of the table represents the proportion of customers with the combination of percent range at the top and dollar range to the left.

Notes: (1) The average number of customers for 2000 was 154.  
(2) This analysis is based on 2000 usage patterns.

**Newfoundland and Labrador Hydro  
Impact of Proposed Rates on Annual Electricity Costs  
Labrador City/Wabush  
General Service 2.2W**

| Change in Annual<br>Costs (\$) | <u>Percentage Change in Annual Costs</u> |               |               |               |               | Total          |
|--------------------------------|--|---------------|---------------|---------------|---------------|----------------|
|                                | -43% to<br>-23%                          | -23% to<br>0% | 0% to<br>10%  | 10% to<br>20% | 20% to<br>58% |                |
| -2,200 to -1,100               | 2.95%                                    | 0.42%         |               |               |               | 3.38%          |
| -1,100 to 0                    | 25.74%                                   | 53.16%        |               |               |               | 78.90%         |
| 0 to 250                       |  |               | 11.81%        | 0.84%         | 0.42%         | 13.08%         |
| 250 to 500                     |  |               | 2.95%         | 0.42%         |               | 3.38%          |
| 500 to 1,000                   |  |               |               | 1.27%         |               | 1.27%          |
| <b>Total:</b>                  | <b>28.69%</b>                            | <b>53.59%</b> | <b>14.77%</b> | <b>2.53%</b>  | <b>0.42%</b>  | <b>100.00%</b> |

Each number in the body of the table represents the proportion of customers with the combination of percent range at the top and dollar range to the left.

Notes: (1) The average number of customers for 2000 was 271.  
(2) This analysis is based on 2000 usage patterns.

**Newfoundland and Labrador Hydro  
Impact of Proposed Rates on Annual Electricity Costs  
Labrador City/Wabush  
General Service 2.3W**

| Change in Annual Costs (\$) | <u>Percentage Change in Annual Costs</u> |               |               |               |               | Total          |
|-----------------------------|--|---------------|---------------|---------------|---------------|----------------|
|                             | -36% to -24%                             | -24% to -12%  | -12% to 0%    | 0% to 4%      | 4% to 8%      |                |
| -7,900 to -5,200            | 1.61%                                    | 1.61%         | 1.61%         |               |               | 4.84%          |
| -5,200 to -2,500            |  | 4.84%         | 3.23%         |               |               | 8.06%          |
| -2,500 to 0                 | 1.61%                                    | 16.13%        | 38.71%        |               |               | 56.45%         |
| 0 to 900                    |  |               |               | 16.13%        | 6.45%         | 22.58%         |
| 900 to 1,800                |  |               |               | 1.61%         | 6.45%         | 8.06%          |
| <b>Total:</b>               | <b>3.23%</b>                             | <b>22.58%</b> | <b>43.55%</b> | <b>17.74%</b> | <b>12.90%</b> | <b>100.00%</b> |

Each number in the body of the table represents the proportion of customers with the combination of percent range at the top and dollar range to the left.

Notes: (1) The average number of customers for 2000 was 68.  
(2) This analysis is based on 2000 usage patterns.