

1 **Q. Please provide all supporting documents and workpapers used in developing the**
2 **customer statistics shown on Schedule 4.1 of the 2001 Cost of Service Study.**

3
4 A. The total number of customers and energy sales by class of service (Columns A through
5 D) contained in Schedule 4.1 of the 2001 Cost of Service Study are derived from
6 information reported in Return 11 of the Company's Annual Returns to the Board. A
7 copy of the 2001 Annual Returns to the Board is provided in the Company's response to
8 Request for Information CA-213.

9
10 A further breakdown of the number of customers and energy sales for General Service
11 110-1000 kVA (Rate 2.3) based on service provided at secondary, primary and
12 transmission voltages is derived from the results of the Company's Bill Frequency
13 Analysis. Attachment A provides a summary of the Bill Frequency Analysis data used to
14 apportion customers and energy consumption for General Service Rate 2.3 among
15 secondary, primary and transmission voltages.

16
17 A similar breakdown of customer and energy sales for General Service 1000 kVA and
18 Over (Rate 2.4) among secondary, primary and transmission voltages is obtained from a
19 review of the individual billing data for each customer in this class.

20
21 Information on Total Billing Demands (Column E of Schedule 4.1) for General Service
22 10-100 kW (Rate 2.2) and General Service 110-1000 kVA (Rate 2.3) is also derived from
23 the Bill Frequency Analysis, as shown in Attachment B. Demand information from the
24 Bill Frequency Analysis (Column 1 of Attachment B) is adjusted by the ratio of total
25 actual energy sales (Column 3, line 14 of Attachment B) to the Bill Frequency Analysis
26 energy sales total (Column 2, line 14 of Attachment B), except for Rate 2.4 which is
27 derived from a review of individual customer billing data.

28
29 Supporting information for customer class load factors (Columns F and H of Schedule
30 4.1) is provided in Attachment A to the Company's response to Request for Information
31 PUB-201.

32
33 Estimates of class demand (Columns G and I of Schedule 4.1) are derived by first of all
34 multiplying the associated class load factor (Columns F or H of Schedule 4.1) by the
35 number of hours in a year (8,760), and then dividing the result into the class energy sales
36 (Column D of Schedule 4.1).

**Newfoundland Power Inc.
2001 Cost of Service Study**

CUSTOMER STATISTICS

Line No.	Class of Service	Rate Class	Bill Frequency Analysis			Energy Sold Report			Schedule 4.1 BILLING INFORMATION		
			Customer		Energy	Customer		Energy	Number of Customers		2001
			Breakdown		Sales	Breakdown		Sales	At Year End		Energy
			2000	2001	Breakdown	2000	2001	Breakdown	2000	2001	Sales
			Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	A ⁽¹⁾	B ⁽¹⁾	kWh
											D ⁽¹⁾
DOMESTIC											
1	Domestic Regular	1.1				86,882	86,345	786,763,000	86,882	86,345	786,763,000
2	Domestic All Electric	1.1				98,405	100,483	1,987,965,000	98,405	100,483	1,987,965,000
GENERAL SERVICE											
3	(0-10 kW)	2.1				11,919	11,939	98,343,000	11,919	11,939	98,343,000
4	(10-100 kW)	2.2				7,721	7,721	571,492,000	7,721	7,721	571,492,000
	(110-350 kVA)	2.3									
5	Primary		31	32	24,619,614				31	31	24,972,155
6	Secondary		685	695	371,839,286				673	693	377,163,845
	Total 2.3 (110-350)		716	727	396,458,900	704	724	402,136,000			
	(350-1000 kVA)	2.3									
7	Transmission		1	1	1,439,676				1	1	1,459,663
8	Primary		50	49	110,840,971				49	48	112,379,798
9	Secondary		175	176	289,127,523				172	175	293,141,538
	Total 2.3 (350-1000)		226	226	401,408,170	222	224	406,981,000			
	(1000 kVA and Over)	2.4									
10	Transmission								2	1	3,870,000
11	Primary								33	37	308,315,000
12	Secondary								13	15	65,662,000
	Total 2.4					48	53	377,847,000			
13	STREET LIGHTING	4.1				9,309	9,390	35,198,000	9,309	9,390	35,198,000
14	Total					215,210	216,879	4,666,725,000	215,210	216,879	4,666,725,000

(1) Customer and sales energy from the Energy Sold Report is used for the rate classes 1.1 Domestic, 2.1 General Service (0-10 kW), 2.2 General Service (10-100 kW) and 4.1 (Street Lighting). The General Service rate class 2.3 (110-1000 kVA) is further broken down between customers, that take service at secondary, primary and transmission voltage levels by using data from the bill frequency analysis as summarized in Columns 1 & 2.

The General Service rate class 2.4 (1000 kVA & Over) is further broken down between customers, that take service at secondary, primary and transmission voltage levels from individual Customer billing data. This is possible due to the low number of Customers in that class.

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CUSTOMER STATISTICS

Line No.	Class of Service	Rate Class	Bill Frequency Analysis		Energy Sold Report	Schedule 4.1
			Billing Demand	Energy Sales	Energy Sales	(Column E) 2001
			Breakdown 2001	Breakdown 2001	Breakdown 2001	Total Billing Demands
			Column 1	Column 2	Before Weather Adjusted Column 3	kW \ kVA ¹
DOMESTIC						
1	Domestic Regular	1.1				
2	Domestic All Electric	1.1				
GENERAL SERVICE						
3	(0-10 kW)	2.1				
4	(10-100 kW)	2.2	2,153,452	562,924,871	563,139,000	2,156,404
	(110-350 kVA)	2.3				
5	Primary		66,630	24,619,614		66,721
6	Secondary		1,260,994	371,839,286		1,262,723
	Total 2.3 (110-350)				396,966,000	
	(350-1000 kVA)	2.3				
7	Transmission		4,279	1,439,676		4,285
8	Primary		316,382	110,840,971		316,815
9	Secondary		878,607	289,127,523		879,812
	Total 2.3 (350-1000)				403,188,000	
	(1000 kVA and Over)	2.4				
10	Transmission		19,846	3,862,776		19,431
11	Primary		755,124	307,795,714		754,735
12	Secondary		233,387	65,529,035		191,433
	Total 2.4				377,069,000	
13	STREET LIGHTING	4.1				
14	Total		5,688,701	1,737,979,466	1,740,362,000	5,652,359

¹ Demand information from Bill Frequency Analysis (Column 1) is adjusted by the ratio of total actual energy sales (Column 3, line 14) to Bill Analysis energy sales (Column 2, line 14), except for Rate 2.4 which is derived from a review of individual customer billing data.