

1 **Q. Please provide all documents and workpapers used in calculating the class demand**  
2 **estimates in the cost of service study, including the load research study relied on to**  
3 **formulate such estimates, as indicated in Mr. Brockman, expert evidence at page 5,**  
4 **lines 9-12.**

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6 A. The calculation of the class demand estimates is contained in Exhibit LCH-2, 2001 Cost  
7 of Service Study - Schedule 4.1. The demand estimate (Columns G and I) is derived by  
8 multiplying the class load factor (Columns F and H respectively) by the number of hours  
9 in a year (8,760), and dividing the result into the class energy sales (Column D).  
10 Attachment A provides supporting documentation for the calculation of the class load  
11 factors.

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13 Class load factors have been calculated based on specific load research results for  
14 Domestic, General Service 110-1000 kVA (Rate 2.3) and General Service 1000 kVA and  
15 Over (Rate 2.4). Attachment B is a copy of a report, prepared in 1994, which  
16 documented the steps and procedures associated with Newfoundland Power's load  
17 research program. Attachment C is a copy of a report, prepared in 1996, (and referenced  
18 on page 5 of the evidence of Mr. Larry Brockman) providing the results of the  
19 Company's load research study.

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21 Class load factors for General Service 0-10 kW class (Rate 2.1) and General Service 10-  
22 100 kW/110 kVA (Rate 2.2) were calculated based on the established historical  
23 relationship of billing demands to class peak demands (i.e., Bary Curve analysis).  
24 Attachment D provides a copy of documentation describing the original Bary Curve.