

1 **Q. Please indicate the criteria used to determine that the minimum distribution size**  
2 **system study would apply only to ‘conductor poles and fittings,’ and that the zero**  
3 **intercept study would apply to ‘distribution transformers.’**  
4

5 A. The National Association of Regulatory Utility Commissioners (“NARUC”) Manual  
6 states that:  
7

8 *"The minimum size method involves determining the minimum size pole, conductor,*  
9 *cable, transformer and service that is currently installed by the utility."*<sup>1</sup>  
10

11 The cost of this minimum amount of plant and the expense necessary to maintain it, are  
12 assigned to the customer costs.  
13

14 Another method for calculating what portion of the distribution system costs should be  
15 attributed to the customer related function is the "zero intercept method". The essence of  
16 this method is that if the cost of providing a distribution system for various levels of  
17 demand were plotted on a graph, we would have a line that decreases as the demand  
18 decreases. This line can then be extrapolated to cross the cost axis at zero demand. Thus  
19 the name "zero intercept".  
20

21 Both the zero intercept method and the minimum size method are accepted methods of  
22 determining that portion of distribution system costs to be treated as customer related. As  
23 indicated in responses to the Company’s survey of Canadian utility practices on the Basic  
24 Customer Charge, discussed in Exhibit LBB-3, and the Fosters and Associates’ survey  
25 provided in response to PUB-205, the use of both methods are common in cost  
26 classification. Similar to Newfoundland Power, other utilities use both methods in  
27 determining that portion of the distribution system to be treated as customer-related. The  
28 choice of method often depends on the availability of data to conduct the analysis. Either  
29 method can be viewed as acceptable.

---

<sup>1</sup> NARUC *Electric Utility Cost Allocation Manual*, January 1992, page 90.