

1 **Q. Please provide information showing the nature and numbers of Newfoundland**  
2 **Power customers whose load can be moderated by voltage reduction.**  
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4 A. Newfoundland Power has the ability to moderate load by reducing voltage to  
5 approximately 186,000, or 73%, of its customers.<sup>1</sup> Voltage reduction is initiated at the  
6 substation level and impacts all Newfoundland Power rate classifications in substations  
7 with voltage control capabilities.  
8

9 It is not practical or possible to moderate load by voltage reduction in some of the  
10 Company's substations. This is due to (i) some substation transformers not being  
11 equipped with on-load tap changers; (ii) voltage limitations associated with long rural  
12 feeders; (iii) automation limitations on some substation transformers; and (iv) voltage  
13 requirements of down-line generation plants.

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<sup>1</sup> Newfoundland Power has approximately 255,000 customers ( $186,000/255,000 = 0.729$ ).

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