

1 Q. Please provide information on the nature and numbers of Newfoundland and  
2 Labrador Hydro customers whose load can be moderated by voltage reduction.

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5 A. As indicated in Hydro's responses to PUB-NLH-070 and PUB-NLH-071, Hydro's  
6 Energy Control Centre (ECC) personnel constantly monitor the available system  
7 generation supply and the system demand. If there is an indication of a potential  
8 generation shortage, steps 10 to 15 of the "Generation Loading Sequence and  
9 Generation Shortages" protocol are implemented (please refer to Hydro's response  
10 to PUB-NLH-070 Attachment 1). Step 11 of this sequence involves supply voltage  
11 reduction in order to reduce customer demand levels.

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13 Hydro works in consultation with its Utility customer, Newfoundland Power, in  
14 order to carry out voltage reduction. This is primarily done at the Oxen Pond and  
15 Hardwoods terminal stations through capacitor bank switching and/or transformer  
16 tap position changes. Voltage reductions (through transformer tap position  
17 changes) may also be carried out at the Stony Brook, Massey Drive and Stephenville  
18 terminal stations.

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20 Hydro estimates that up to 25-30 MW of customer demand could be reduced  
21 through the voltage reduction strategy.