

1 Q. As regards backup power from Nova Scotia, will there be adequate transmission  
2 line capacity to the Avalon Peninsula for the winter peak?

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5 A. With regards to the backup power from Nova Scotia via the Maritime Link, there  
6 will be sufficient 230 kV transmission system capacity to the Avalon Peninsula. The  
7 attached figure provides a load flow plot of typical winter peak load conditions with  
8 the Labrador Island HVdc Link out of service, 300 MW of import on the Maritime  
9 Link at Bottom Brook and operation of all on-island generation including  
10 combustion turbines. The plot indicates all 230 kV bus voltages are within  
11 acceptable limits and all 230 kV transmission lines are loaded to less than 100% of  
12 their winter ratings.

Island Interconnected System Supply Issues and Power Outages

