

1 Q. Please provide any studies that may have been performed with one AC harmonic  
2 filter out of service, and with a permanent loss of one converter pole including  
3 results for loss of AC harmonic filters both at Muskrat Falls and at Soldiers Pond. If  
4 no studies have been performed, please comment on the possibility of AC voltage  
5 instability or collapse as a consequence of overload operation of the HVDC  
6 converter.

7

8

9 A. The Labrador-Island HVdc Link (LIL) design requires one spare ac harmonic filter at  
10 each converter station. Studies to date have been completed assuming that the  
11 spare ac harmonic filter is not in service at each converter station. Consequently,  
12 simultaneous loss of ac harmonic filters at both Muskrat Falls and Soldiers Pond has  
13 been considered. Studies to date do not indicate ac voltage instability or collapse.