

1 Q. Further to PUB-NLH-506, please state what measures would be taken to prevent
2 problems caused by lack of reactive power provision at the converter station during
3 sudden overload operation.

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6 A. As noted in Hydro's response to PUB-NLH-506, analysis to date has been completed
7 with one ac harmonic filter out of service at both Muskrat Falls and Soldiers Pond
8 converter stations. In addition, studies to date have been completed with one high
9 inertia synchronous condenser out of service at Soldiers Pond. The analysis to date
10 covers multiple reactive power source losses. For reactive power losses beyond
11 those considered to date, Hydro would obviously introduce operating limits on the
12 Labrador-Island Link such that voltage instability or collapse would be avoided for
13 sudden overload operation in the suggested operating mode.