

1 Q. Further to CA-NLH-53, will the back-up auxiliary supply be available when the
2 converter station is disconnected from the AC transmission network?

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5 A. Redundant station service supply to the HVdc converter stations ensure continued
6 operation of the HVdc Links with a station service supply out of service (failed or
7 maintenance). The sources for converter station service rest in the connecting high
8 voltage (230 kV – Soldiers Pond and Bottom Brook, 315 kV – Muskrat Falls, and 345
9 kV Woodbine, NS) ac stations. The converter stations and associated ac filters are
10 connected to the ac stations via dedicated tie lines for each converter transformer
11 and each ac filter group. Station service supply to the converter buildings is
12 maintained from the ac stations with the dedicated tie lines to the converter station
13 out of service. Should the ac terminal station connected to the converter station
14 become isolated from the remainder of the ac transmission system (i.e. all 230 kV
15 transmission lines into and out of Soldiers Pond out of service), then the station
16 service supply for the converter station will be provided by converter station
17 batteries and on site (local) emergency diesel generation, as described in response
18 to CA-NLH-052.