

1 Q. On page 6 of Appendix C10 it is noted that as part of the study criteria load
2 shedding should not occur for loss of the largest generator in Newfoundland while
3 on page 7 it is noted that this criteria has been in general use in Newfoundland and
4 Labrador. When did load shedding stop being used as part of the criteria for the loss
5 of generation?
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8 A. Under frequency load shedding for loss of generation on the Island Interconnected
9 System remains part of Hydro's criteria for an isolated Island scenario. The
10 reference to no loss of load for loss of generation as a criterion in the Appendix C10
11 stability study is for interconnected Island scenarios only. Hydro has been using a
12 no loss of load for loss of on island generation criterion for analysis of proposed
13 HVdc connections to the Island Interconnected System as an outcome of HVdc
14 system integration studies completed in 1998-1999. The HVdc integration studies
15 completed by TransGrid Solutions (TGS) in 2008-2009 demonstrated that the speed
16 and inherent controllability of the HVdc system at Soldiers Pond minimized under
17 frequency load shedding for loss of generation on the Island when a frequency
18 controller was used in the HVdc and sufficient reserves were maintained within the
19 system (refer to Appendix C2 Section 5). The Labrador – Island HVdc Link has been
20 specified with a frequency controller to prevent under frequency load shedding on
21 the island for loss of island generation. Operating guidelines will ensure sufficient
22 reserves to maintain supply of island load for this contingency.