

1 Q. Further to PUB-NLH-119 please confirm (or explain to the extent you do not
2 confirm) that after 1977, Newfoundland and Labrador Hydro noted that, for their
3 system, at the time, with their generation capacity planned to a “one event in five
4 years” reliability criterion, then Newfoundland and Labrador Hydro had an
5 expectation of 2.8 hours, per year, of Unserved Load.

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8 A. The basis of the current “one event in five years” reliability criterion, is a report,
9 *Recommended Loss of Load Probability (LOLP) Index for Establishing Generation*
10 *Reserve Additions – System Planning Department – Newfoundland and Labrador*
11 *Hydro – May 16, 1977* (see PUB-NLH-118 Attachment 1). In that report, an LOLP of
12 0.2 days per year, or one day in five years was recommended. In 1997, when Hydro
13 replaced the SYPCO generation planning software with ProScreen II (now renamed
14 Strategist) generation planning software, it was necessary to switch to an LOLH
15 (Loss of Load Hours) criterion. Benchmarking established that an LOLH of 2.8 hours
16 per year was equivalent to an LOLP of 0.2 days per year, for Hydro’s system.