

1 Q: Reference: *Review of Newfoundland and Labrador Hydro Power Supply*  
2 *Adequacy and Reliability Prior to and Post Muskrat Falls Final Report, August*  
3 *19, 2016, Page 6, Section B., Paragraph 4*  
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5 *“In its most recent analysis, Hydro introduced a third measure of supply*  
6 *reliability. Expected unserved energy (EUE) is the amount of energy not*  
7 *supplied due to supply-related emergencies. Hydro has done further analysis*  
8 *to equate an EUE of 300 MWh to an LOLH of 2.8 hours. The use of three*  
9 *measures contributes to an understanding of the dynamics of supply*  
10 *reliability. But inevitable inconsistencies among the measures also lead to*  
11 *complications. For example, Hydro has indicated that the LOLH target has*  
12 *rarely been threatened. Yet, if the EUE equivalent is used, Hydro has not met*  
13 *the target in four of the last five years, and barely met it in the fifth year (and*  
14 *that was due to the new CT).”*  
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16 **Please confirm that the LOLH measure is a measure of generation supply**  
17 **adequacy and reliability to meet customer demand, and does not consider**  
18 **transient interruptions caused by UFLS or transmission related interruptions.**  
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20 A. Liberty confirms that the LOLH measure, and in fact all of the discussion referenced  
21 in this RFI, relates to “supply-related” emergencies and hence would not consider  
22 interruptions from other sources. It is Liberty’s understanding that UFLS events that  
23 are in response to supply issues are considered in LOLH.