
1 Q. Has Hydro included the forced outage rates, or other reliability metrics, for the Muskrat
2 Falls generating station and the Labrador Transmission Assets in its calculation of the
3 overall reliability for the Island Interconnected system? If yes, what values were assigned to
4 the generating station and LTA and how were those values derived? If no, why have these
5 potential sources of failure not been included?

6

7

8 A. As discussed in Attachment 5 to Volume I of the Reliability and Resource Adequacy Study,
9 in absence of operational data for the Muskrat Falls Generating Facility, it is assumed that
10 the forced outage rate for the generating units at Muskrat Falls will be similar to that of
11 Newfoundland and Labrador Hydro's ("Hydro") existing hydraulic generation fleet. As such,
12 Hydro assumed a forced outage rate of 1.93% for the units. This is based on a 10-year,
13 capacity-weighted average of the Derated Adjusted Forced Outage Rate of Hydro's existing
14 hydroelectric units.

15

16 The reliability of the Labrador Transmission Assets is assessed annually in accordance with
17 Hydro's established Transmission Planning Criteria. The reliability of the Labrador
18 Transmission Assets has no appreciable impact on the analysis conducted to support
19 Hydro's Reliability and Resource Adequacy Study.