

- 1   **Q:**   (Liberty December 17, 2014 Report to Board on *Supply Issues and Power*  
2           *Outages Review Island Interconnected System* addressing Newfoundland and  
3           Labrador Hydro) Conclusion 4.3 states (Appendix A, page A-4): “*Distribution*  
4           *outage frequencies and durations have increased, but remain consistent with*  
5           *Canadian averages after adjustment for major events*”. Conclusion 4.15 states  
6           (Appendix A, page A-5): “*Some of Hydro’s 138 kV transmission circuits and*  
7           *nearly all of its 66/69 kV transmission circuits on the Island Interconnected*  
8           *system are radial, causing customer outages for forced and planned circuit*  
9           *outages*”. The cost to remedy this situation (i.e., through looped circuits) is  
10          very high because much of Hydro’s distribution system and part of its  
11          transmission system is rural with low customer density. Would it be more  
12          appropriate to use a percentage of the Canadian average as a metric?  
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- 15   **A.**   Note that Liberty did not recommend building new transmission line loops, but  
16           rather identified procedures to reduce the durations of planned outages. It would  
17           not be practical to determine a percentage of the Canadian reliability averages to  
18           use. The Canadian reliability averages provide only a very rough and not  
19           determinative gauge of performance. We do not recommend adjusting Canadian  
20           data for the purpose of devising a simple, determinative criterion.