

1 Q. (2018 Cost Deferral and Interim Rates Application) Paragraph 18 of the Application  
2 states “Hydro is now projecting that the LIL will be capable of transferring 110 MW  
3 at a forced outage rate of 30% for 2019”. Why is the forced outage rate for a new  
4 transmission facility so high? How does this compare to the average forced outage  
5 rate in recent years for transmission facilities on the Island Interconnected System?  
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8 A. The forecast forced outage rate of the Labrador-Island Link (“LIL”) is based upon the  
9 operational experience of the LIL during the brief period when the LIL was  
10 undergoing testing during the summer of 2018. Hydro is using this forced outage  
11 rate to be conservative in the early in-service period. The expected forced outage  
12 rate of the LIL once fully commissioned is 0.56% per pole and 0.01% for the bi-pole  
13 (full link).  
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15 Transmission reliability on the Island Interconnected System is measured based on  
16 Transmission System Average Interruption Duration Index (“T-SAIDI”)<sup>1</sup> and  
17 Transmission System Average Frequency Index (“T-SAIFI”).<sup>2</sup> These indicators are not  
18 comparable to forced outage rates.

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<sup>1</sup> T-SAIDI is a reliability key performance indicator for bulk transmission assets which measures the average duration of outages in minutes per delivery point.

<sup>2</sup> T-SAIFI is a reliability key performance indicator for bulk transmission assets that measures the average number of sustained outages per delivery point.