
1 Q. **Reference: Volume 1, Attachment 7, Technical Note on the Labrador-Island Link**
2 **Reliability**

3 Please clarify whether the data for a scheme would be eliminated only for the year(s) in
4 which its availability was below 80% or from the complete analysis.

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7 A. Based on the equipment and technology, design techniques, redundancies, and availability
8 of critical spares for the Labrador-Island Link, Nalcor proposed that the years in which HVdc
9 systems have less than 80% Energy Availability be excluded from its Energy Availability
10 analysis. Note that the HVdc systems with Energy Availability below 80% were not excluded
11 from the complete analysis but excluded from the Energy Availability analysis only. Years in
12 which Energy Availability is greater than 80% are included in the analysis.^{1,2}

¹ Source: "A survey of the reliability of HVdc systems throughout the world during 2015-2016," CIGRE, 2018, Table I

² Energy Availability is defined as the amount of energy that could have been transmitted over the HVdc system, if not limited by the forced and scheduled outages of the various components of the HVdc Link (converter station equipment, dc lines, and/or cables).