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1 2 3	Q:	Reference: <i>Review of Newfoundland and Labrador Hydro Power Supply Adequacy and Reliability Prior to and Post Muskrat Falls Final Report, Page 36.</i>
4		"Experience from other bipolar HVdc systems shows that most modern HVdc schemes
5		do not experience bipole trips (simultaneous loss of both poles) very frequently only
6		every few years."
7		
8		Please comment on how the projected reliability of the Labrador Island Link can
9		be deduced from other bipolar HVdc projects knowing that the Labrador Island
10		Link passes through one of the most severe climates in the world with regards to
11		icing and wind.
12		
13		
14	А.	Liberty agrees that it is not possible to accurately predict the reliability performance
15		of a particular HV dc scheme. The actual reliability will depend on the many factors,
10 17		as was said in section IV-C-1, page 74:
17		It is not possible to forecast the number of outgass (bipolar or monopolar) with
10		It is not possible to forecast the number of outlages (bipolar or monopolar) with substantial accuracy. The number of acuipment failures depends on the quality.
19 20		of the design manufacture and maintenance of the equipment and on the
20 21		of the design, manufacture, and maintenance of the equipment, and on the strasses to which it is exposed. The general tendency is for a higher number of
$\frac{21}{22}$		failures in the first couple of years of operation with the number then settling
23		down to a lower level for many years until aging causes the number of failures
23 24		to increase again
25		
26		The general tendency as mentioned above may not be relevant to the overhead line
27		parts of the LIL, which uses an HVdc OHL that runs through regions with extreme
28		weather. The weather conditions may have a more significant impact on the number
29		of outages of the HVdc OHL.