

1 Q. Further to the response to PUB-NLH-264, Attachment 1, Base Cases 4 and 10 results  
2 in system instability following the loss of a pole when in monopolar operation. It is  
3 accepted that the starting point may be considered to be an N-1 condition;  
4 however, please confirm that Nalcor would not operate the Labrador Island Link at  
5 high load in this condition, unless an emergency exist or unless there is sufficient  
6 spinning reserve in the Island Interconnected System to prevent load shedding. If  
7 this is not true, please explain why this operating mode is considered to be  
8 acceptable, for how long such a condition would be allowed to exist, and what  
9 measures would be taken to prevent widespread load shedding in the event of the  
10 trip of the last remaining pole.

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13 A. Base Cases 4 and 10 as outlined in the Attachment 1 to Hydro's response to PUB-  
14 NLH-264 are monopolar cases, and as such, are considered to model the Island  
15 Interconnected System in an N-1 condition as the starting point. The objective of  
16 the cases is to demonstrate the impact of operating the Labrador - Island HVdc Link  
17 (LIL) in monopolar mode at relatively high transfers. The cases as presented do  
18 indicate system instability following a loss of the pole, and subsequently the  
19 operational risk, when beginning from this operating state. In order to minimize  
20 operation risk, it is not Hydro's intent to operate at high LIL loading in monopolar  
21 mode for extended periods of time unless an emergency exists.

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23 The results of the preliminary analysis will be used, in part, to assist in developing  
24 the appropriate scenarios for detailed operational studies to be completed in the  
25 2015 – 2016 timeframe, with the ultimate goal of developing a detailed operational  
26 guideline/instruction set for the LIL.