

1 Q. Further to PUB-NLH-617, please confirm that Hydro would expect that  
2 underfrequency load shedding would operate to protect the Island Interconnected  
3 system. If this is confirmed, please estimate the worst case load that would be shed.  
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7 A. Under normal operation it is expected that the Labrador Island Link will carry 120  
8 MW of spinning reserve, resulting in a maximum sending end capacity of 780 MW.  
9 At this power level, HVdc line losses equate to approximately 48 MW. With  
10 approximately 158 MW of power delivery to Emera, the worst case load shed on  
11 the island for a sustained bipole outage would equate to approximately 574 MW  
(780 MW – 48 MW – 158 MW).  
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14 It should be noted that during severe weather situations or when other known  
15 potential outage conditions exist, as sound utility practice, additional generation on  
16 the Island Interconnected System would be brought online and the Labrador Island  
17 Link would be operated at a reduced power output to reduce the potential  
underfrequency load shed.