

1 Q. Further to the response to PUB-Nalcor-013, Attachment 1, Operating Reserves,  
2 please provide the same information that is in this document with the LIL fully in  
3 service. In the response explain how the key parameters noted in this document  
4 will change, in particular how the LIL will be treated for purposes of contingency  
5 planning.

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8 A. Section 3.3.1.2 of Volume I of Hydro's Reliability and Resource Adequacy report,  
9 filed with the Board on November 16, 2018, provided a detailed description of  
10 Hydro's expectations around operating reserve for the Newfoundland and Labrador  
11 Interconnected System once the Muskrat Falls Generating Station (MFGS) and  
12 Labrador-Island Link (LIL) are fully in-service.<sup>1</sup>

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14 In that report, Hydro has proposed that for the Newfoundland and Labrador  
15 Interconnected system, once the MFGS is fully in-service, Hydro considers the first  
16 contingency loss to be the loss of a generating unit at MFGS and the second  
17 contingency loss to be the loss of a second unit at MFGS. As such, Hydro shall have  
18 10 minute reserve available to it at least equal to 197.5 MW to cover its first  
19 contingency loss, where the first contingency loss is the loss of a unit at the MFGS  
20 at winter firm plant output of 790 MW. In addition, Hydro shall have 30 minute  
21 reserve available to it at least equal to 99 MW to cover one-half the magnitude of  
22 its second contingency loss (0.5 x 197.5 MW), where the second contingency loss is  
23 the loss of a unit at the MFGS at winter firm plant output of 790 MW. For the  
24 purposes of the LIL, Hydro considers the loss of a pole to be a first contingency loss.

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<sup>1</sup> <http://www.pub.nl.ca/indexreports/From%20NLH%20%20-%20Reliability%20and%20Resource%20Adequacy%20Study%20-%20November%202018%20-%202018-11-16.PDF>.