

1 Q. **Reliability and Resource Adequacy Study Update, November 15, 2019**

2 ***TGS Study Reports***

3 With respect to the TGS analysis of the impacts of trips of ac lines connecting the ML and the LIL,  
4 please:

5 a. Confirm that this analysis has identified potential thermal overloads resulting from single  
6 contingencies (“N-1”) and from further events following them (“N-1-1”) and that operational  
7 protocols will be developed by Hydro to manage the relevant overload conditions and that  
8 circumstances may require the inclusion of limits on ML exports.

9 b. Based on what Hydro knows to date, provide a brief summary of the potential nature and  
10 scope of those protocols and limits, in order to provide an overall perspective on how  
11 significant they might be from a customer perspective.

12 c. Describe the likely worst-case customer impacts of these operational protocols on  
13 consumers in the IIS.

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16 A. a. All restrictions to avoid overload conditions identified in operational studies will be  
17 implemented in Operating Procedure TOP-P-076 - *NL Transmission System Operating Limits*  
18 by the end of the third quarter 2020. Overload conditions within the Island Interconnected  
19 System are mitigated by unit dispatch and through the curtailment of non-firm Maritime  
20 Link exports. This remains on schedule with no known risks.

21 b. Please refer to Newfoundland and Labrador Hydro’s (“Hydro”) response to part f. of PUB-  
22 NLH-158 for the latest version of TOP-P-076 - *NL Transmission System Operating Limits* for  
23 details relating to the mitigation of overload conditions. The mitigation of conditions as  
24 described in the document and in Hydro’s response to part a. will not result in customer  
25 impact within the Island Interconnected System.

26 c. Please refer to Hydro’s response to part b.