1	Q.	Newfoundland and Labrador Hydro – Near-Term Reliability Report, May 15, 2020		
2		Other Near-Term Issues		
3		Nith respect to trial operation period without synchronous condensers available, please state	<u>;</u> :	
4		a. Whether it may be permitted.		
5 6		i. Whether it will take place, and if not, will Nalcor be permitted to use the LIL at power to 225MW.	up	
7		b. Whether any tentative or firmer decisions have been regarding such operation.		
8 9		What principal conditions and other limits will guide the decision whether to permit operation.		
10				
11				
12	Α.	a. With respect to the trial operation period without synchronous condensers, Nalcor Energy	У	
13		("Nalcor") will be permitted to use the Labrador-Island Link ("LIL") to transmit power flow	S	
14		up to 225MW. From a commercial standpoint, system conditions in this mode of operation	n	
15		would be similar to the "special considerations" conditions that were present when the LI	L	
16		was in operation in 2018. These conditions reflect the ac network when no Muskrat Falls		
17		units and no Soldiers Pond synchronous condensers were in operation. In this mode of		
18		operation, LIL capacity is limited to 225 MW due to the lack of dynamic reactive support in	n	
19		Muskrat Falls as no units are online.		
20		From a technical standpoint, the operation of the LIL up to 225 MW is supported by		
21		operational studies, as summarized in Newfoundland and Labrador Hydro's ("Hydro")		
22		response to part c.		
23		p. Operation of the LIL up to 225 MW is permitted and supported by the operational studies	i	
24		presented in Hydro's response to part c.		

1	С.	The principal conditions that would guide the decision to permit LIL bipole operation with
2		no synchronous condensers have been established through an operational study based on
3		Power System Simulator for Engineering analysis. <sup>1</sup> This study has been filed with the Board
4		of Commissioners of Public Utilities. As per Hydro's response to PUB-NLH-169, PSCAD
5		analysis is ongoing to validate these results and to support with the development of
6		operating instructions. A final report summarizing PSCAD results will be compiled for the
7		end of the third quarter of 2020.

<sup>&</sup>lt;sup>1</sup> Technical Note TN1205.74.02, "Operational Considerations with 0 and 1 SOP Synchronous Condensers," TransGrid Solutions, April 7, 2020.