

1 Q. **Newfoundland and Labrador Hydro – Near-Term Reliability Report, May 15, 2020**

2 ***Hydro Electric Energy Storage***

3 With respect to developing information, performing analyses, and making decisions about water  
4 limits and their effects on day-to-day use of Hydro’s hydro units, please:

5 a. Describe in detail the roles played by Hydro, Nalcor Energy Marketing, and other Nalcor  
6 personnel and contracted resources.

7 b. Identify the groups and the lead personnel from each of those organizations involved.

8 c. Identify key decisions that affect such day-to-day use.

9 d. Identify the organizations and the lead persons with direct accountability and responsibility  
10 for making such decisions.

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13 A. a. Within Newfoundland and Labrador Hydro (“Hydro”), the Hydro Generation department  
14 (part of the Transmission and Production Operations division) and the Resource and  
15 Production Planning department (part of the Resource and Transmission Planning division)  
16 are primarily involved in water management activities.

17 Primarily, the Manager, Operations and the Senior Manager, Dam Safety and Services from  
18 the Hydro Generation department participate in the weekly water management meetings  
19 and provide information on asset condition, any ongoing or planned outages, and any unit  
20 derations. The Hydrotechnical Engineer in the Resource and Production Planning  
21 department is Hydro’s primary representative at the weekly water management meetings,  
22 which are also attended by the Senior Manager of the Resource and Production Planning  
23 department, as required. The Resource and Production Planning group also prepares the  
24 Day Ahead dispatch, which is used by the Energy Control Centre operators to dispatch  
25 Hydro’s generating units. The Senior Manager of the Resource and Production Planning  
26 department is also Hydro’s lead in identifying and helping to secure market purchases for

1 thermal offset and authorizing export of spilled energy pursuant to the *Pilot Agreement for*  
2 *the Optimization of Hydraulic Resources*. All Resource and Production Planning activities  
3 with respect to water management are overseen by the Director, Resource and  
4 Transmission Planning division. Finally, members of the Newfoundland and Labrador System  
5 Operator have some involvement with the day-to-day operation of Hydro's resources. This  
6 primarily includes the real-time dispatch of generating units, in accordance with the Day  
7 Ahead Dispatch and the Generation Guidelines, and ensuring reliability criteria are satisfied  
8 at all times, re-dispatching units as required to ensure continued reliable service for  
9 customers. On an infrequent basis, it also includes the dispatch of units to provide  
10 Emergency Energy pursuant to the Inter-Operators Agreement with Nova Scotia Power  
11 Incorporated.

12 Within Nalcor Energy, the Nalcor Energy Marketing group is involved in decision-making  
13 which impacts the use of Hydro's generating units. Specifically, the Water Management and  
14 Production Scheduling department attends the weekly water management meetings and  
15 provides analysis and recommendations with respect to the operation of Hydro's resources  
16 for Hydro's consideration. For a detailed overview of the activities undertaken by the Water  
17 Management & Production Scheduling department, please refer to Hydro's response to  
18 PUB-NLH-141. The group is comprised of two hydrotechnical engineers and led by the  
19 Manager, Water Management & Production Scheduling. Nalcor Energy Marketing's Energy  
20 Trading department interacts directly with Hydro's Resource and Production Planning group  
21 when purchasing energy and capacity to offset or supplement higher cost generation and  
22 exporting energy that would otherwise be spilled or at a high potential for spill. This group  
23 also engages in ponding activities pursuant to the *Pilot Agreement for the Optimization of*  
24 *Hydraulic Resources*. This group is primarily engaged by Hydro through the Senior Manager,  
25 Energy Trading.

26 Currently no other resources are involved in the management of Hydro's Island hydraulic  
27 resources. In the future, once the Muskrat Falls assets are reliably in-service, the Churchill  
28 River Independent Coordinator will coordinate production on the Churchill River.

29 b. Please refer to Hydro's responses to part a.

- 1 c. Please refer to Hydro's responses to part a.
- 2 d. Please refer to Hydro's response to part a.