

1 Q. Hydro states that preliminary analysis indicates that with the inclusion of these customers, along
2 with normal forecast load growth, additional capital investment could be as early as 2031, which
3 would be an acceleration of the existing Transmission Expansion Plan.

4 a) If the Board approves the application allowing Hydro to provide service to the proposed
5 customers, how much firm capacity will remain available to serve any additional firm load
6 growth in Labrador East?

7 b) When will Hydro be filing a capital application to provide additional firm transmission
8 capacity to Labrador East and when would this firm transmission capacity expected to be in
9 service?

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12 A. a) As Newfoundland and Labrador Hydro (“Hydro”) noted in its application, the total estimated
13 peak load for the five customers is 22 MW;¹ however, when Hydro considers the available
14 firm capacity in Labrador East, it takes into consideration the timing of when each of these
15 five customers will receive the service pursuant to their applications. Hydro also considers
16 the coincident peak demand when determining the available capacity remaining. As the
17 Department of National Defence (“DND”) does not anticipate its proposed additional load
18 coming online until 2028, Hydro anticipates having approximately 20–22 MW of available
19 capacity until that time. Once DND is in-service, the available capacity will decline to
20 approximately 2.6 MW and will continue to decline due to normal load growth until
21 approximately 2031 at which time the available capacity will be exhausted and additional
22 firm transmission capacity will be necessary.

23 b) As Hydro noted in part a) to this response, the need for additional firm transmission
24 capacity is anticipated for 2031. To allow for the time necessary to obtain the required
25 equipment, Hydro anticipates that an application would be made in 2028 in the 2029 Capital

¹ This is the non-coincident peak. Coincident peak demand is the demand of a customer or group of customers at the time of the system’s peak demand.

1 Budget Application. This schedule is subject to any acceleration of this timeline if there are
2 other larger service requests that would result in the anticipated depletion of available
3 capacity at an earlier date.