

1 Q. **Reference: Requests for Information NP-NLH-011 to NP-NLH-014.**

2 Please outline the maximum non-firm load available for a direct connection to the Muskrat Falls  
3 substation and please describe the system constraint scenario(s) that would result in the non-  
4 firm load not being available to the customer(s).

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7 A. The maximum non-firm load currently available for direct connection to Muskrat Falls Terminal  
8 Station 2 is approximately 35 MW. This number is expected to reduce to 30 MW by 2033 based  
9 on expected general load growth in Happy Valley-Goose Bay. The following are scenarios in  
10 which supply to non-firm load could potentially become unavailable, but firm customers will still  
11 be supplied:

12 • **The loss of one or more 315 kV line(s) from Churchill Falls to Muskrat Falls.** Labrador-  
13 Island Link (“LIL”) imports to the Island could become more restricted, since 315 kV  
14 power flow is limited in this scenario and the additional non-firm load could have an  
15 adverse impact on voltage levels in Muskrat Falls. LIL power transfers may have to be  
16 further reduced to account for the voltage impacts attributed to the incremental 35 MW  
17 of load.

18 • **The connection of 35 MW of firm load on the Labrador East System.** For every MW of  
19 firm load added, there is approximately one less MW available for non-firm load.