

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

2 ***TGS Study Reports***

3 With respect to the threat of system instability following a three-phase fault on line TL267 at
4 load flows above 650MW, please state whether Hydro now plans to address this threat through
5 tuning of the SC stabilizers to control transmission line oscillation on the Bay d’Espoir to Avalon
6 corridor. If so, please describe the principal activities required to do so and when Hydro expects
7 to complete the work required, the risks to that date, and Hydro’s estimation of the likelihood of
8 availability at that date.

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11 A. Newfoundland and Labrador Hydro (“Hydro”) is undertaking an operating project to activate
12 power system stabilizers (“PSS”) on all large hydraulic units as well as the three thermal units at
13 the Holyrood Thermal Generating Station. This project involves field visits for the activation and
14 testing of PSS settings. As PSS’s are placed in service, operational studies will be performed to
15 assess impacts on system limits and procedures will be updated accordingly. Hydro plans to
16 complete this work in 2020. As PSS activation will impact the capacity to deliver power to the
17 Avalon Peninsula, updated corridor limits will be an input to Hydro’s ongoing Reliability and
18 Resource Adequacy Study. In the event that PSS activation cannot be completed on all units in
19 2020 due to complexities associated with the COVID-19 pandemic, outstanding PSS activations
20 will be completed in 2021.