1 Q. Newfoundland and Labrador Hydro – Near-Term Reliability Report, May 15, 2020 2 **Other Near-Term Issues** 3 With regard to the FAT setup and circumstances, please: a. Describe the ac networks to which the LIL was connected during the FAT; addressing the 4 5 different system configurations used at the connection points of the MF converter and at the Soldiers Pond converter. 6 7 b. Provide the minimum the short circuit level for each setup tested. 8 9 a. The majority of the FAT¹ test cases were set up using Thevenin equivalents with minimum 10 A. short circuit levels as per contract values. The Thevenin setup was used for protection cases, 11 12 functional testing, dynamic performance, transformer energization, and switching of reactive components. Additional dynamic performance tests were performed using models 13 directly converted from PSS®E² base cases representing bookend system conditions varying 14 from extreme light to peak loading on the Island. 15 b. The minimum short circuit levels are 2,847 MVA at Muskrat Falls and 3,462 MVA at Soldier's 16 17 Pond.

¹ Factory Acceptance Test ("FAT").

² Power System Simulator for Engineering.