

1 Q. Has Hydro considered other voltage regulation options at the existing conductor size, such as
2 the addition of multiple voltage regulators, capacitor banks, and/or adjusting the tap position on
3 EHW-T1? If not, why not?

4

5

6 A. Yes, Newfoundland and Labrador Hydro (“Hydro”) has considered other voltage regulation
7 options.

8 Hydro assessed the feasibility of installing an additional voltage regulator alongside the two
9 existing regulators while maintaining the current conductor size. This option was not a
10 technically viable alternative as it could result in significant temporary overvoltage if the new
11 customer trips offline, violating Hydro’s distribution planning criteria and posing risk to system
12 or customer equipment.

13 The implementation of capacitor banks or adjustments to the English Harbour West T1 tap
14 position was also considered; however, it was determined that this option would not effectively
15 address the identified low-voltage criteria violation.