

1 Q. **Reference: Application, Terminal Station Renewal Program (2023-2024), pages 15/16**

2 It is stated “The service life of flooded cell batteries and valve-regulated lead-acid (“VRLA”)
3 batteries is approximately 20 years and 10 years, respectively. Battery chargers have a service
4 life of 20 years.” Will the batteries and chargers proposed for replacement be replaced with like
5 battery and charger technology, or are more reliable and efficient technologies now available?

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8 A. Newfoundland and Labrador Hydro (“Hydro”) has proposed like-for-like replacements of battery
9 banks and chargers with available updated technologies of this kind. The battery banks at each
10 terminal station are resized, if necessary, as part of the design for the battery bank replacement
11 based on the load growth and the load analysis done for the station.

12 Hydro has reviewed newer technologies for batteries and chargers and will continue to do so on
13 a regular basis to determine if a change in philosophy would prove more reliable or efficient for
14 its operations.