

1 Q. **Reference: Schedule 6, Program 10 Replace Protective Relays (2024-2025), Page 1**

2 It is stated that the program was initiated in 2016 to replace all existing electromechanical relays
3 associated with transformers, buses and line protection with modern digital relays. How many
4 have been replaced since the program began and how many will be remaining to replace
5 following completion of the proposed 2024 program?

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8 A. From 2016 to the end of 2022, Newfoundland and Labrador Hydro (“Hydro”) has upgraded 57
9 protection systems that contained electro-mechanical (“EM”) relays. Hydro currently has 44
10 protection systems utilizing EM relays that are scheduled to be upgraded in project years 2023
11 to 2025. Once these upgrades are complete, current data record inventory indicates there will
12 be 67 protection schemes remaining that contain EM relays; however, the exact number
13 remaining for replacement is subject to change due to ongoing record updates and review.