

1 Q. **Reference: Program 12 Replace Protective Relays (2025–2026), Appendix A.**

2 Hydro included a five-year plan identifying the assets planned for replacement from 2025 to
3 2029 under this program. After the 2025-2029 plan is executed, what is left to be replaced?
4 Specifically, when will replacement of the 230kv relays be complete?

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7 A. The replacement of 230 kV electro-mechanical and solid-state relays is anticipated to be
8 completed by 2031, based on the current protection relay inventory. Given the large number of
9 protection relays in Hydro's fleet, it is possible that additional 230 kV electro-mechanical and
10 solid-state relays may be identified after 2031, in which case they will be replaced in a
11 prioritized manner. After the 2025–2029 plan is executed, the program will continue with the
12 replacement of electro-mechanical and solid-state relays of lower voltage classes (i.e., 138 kV,
13 66/69 kV, 46 kV etc.). Once these are complete, the program will focus on the replacement of
14 obsolete microprocessor-based relays, starting with 230 kV relays.