Q. **Reference: Project 11: Upgrade Power Transformers (2026 - 2027)**

Page 5, Table 2. BDE T6.

"High Voltage Bushing Replacements: The existing bushing is the same make and model that failed on BDE T5 and BDE T6 in 2022 and 2023, respectively, and must be replaced with the OEM recommendation."

Were the BDE-T6 high voltage bushings that failed in 2023 replaced? If yes, why are they being replaced again in 2026-2027? If not, why not?

A. The present-day Bay d'Espoir ("BDE") T6 has served under different equipment tags over the past four years; for clarity, these are summarized as follows:

- Present-day BDE T6 was formerly named BDE T5 at the time of its bushing failure in 2022.
- In early 2023, when it became a spare, its name was changed to BDE T5S.
- Later in 2023, it was installed as the replacement for the failed BDE T6 and renamed BDE T6.
- The failed BDE T6 was then renamed BDE T6S.

In summary, the present-day BDE T6 had three names over time: BDE T5 (at failure), BDE T5S (as spare), and BDE T6 (current).

The present-day BDE T6 has three high-voltage bushings - H1, H2, and H3. The present-day BDE T6's H3 bushing failed in 2022, and has since been replaced. At the time of its H3 bushing failure, the present-day BDE T6 had the name BDE T5. Its failed H3 bushing was replaced in 2023 with a new bushing that is the same manufacturer as H1 and H2, but a different model. The H1 bushing and H2 bushing in present-day BDE T6 have not been replaced since its H3 bushing failed in 2022.

The investigation report into both the present-day BDE T6 H3 bushing failure (in 2022) and the present-day BDE T6S H2 bushing failure (in 2023) was completed in April 2024 and this report contains the recommendation to replace high-voltage bushings on BDE T6 that are the same make and model of the bushing that failed, which include BDE T6's H1 bushing and H2 bushing. To align with the failure report's recommendation and ensure future reliability of present-day BDE T6, Newfoundland and Labrador Hydro ("Hydro") engaged the present-day BDE T6's original equipment manufacturer ("OEM") to recommend the bushing make & model for its high-voltage bushings. The make & model recommended by the OEM is a different make & model than the existing high voltage bushings. As a result, Hydro decided to replace all three high voltage bushings with the OEM-recommended bushing.