

1 **Q. Reference: "2027 Capital Budget Application," Newfoundland Power Inc., May**
2 **29, 2026, Supporting Materials, Substations: 2.2, Substation Power**
3 **Transformer Strategy; and response to Request for Information PUB-NP-008,**
4 **pp. 3-4.**

5 **In PUB-NP-008, Newfoundland Power states that the Gannett Fleming**
6 **Service Life Study forecasts approximately three power transformer**
7 **retirements annually through 2052, that the transformer fleet aligns with a**
8 **55-R3 survivor curve, and that the Study did not consider individual**
9 **transformer condition.**

10 **a) Please confirm that the forecast of approximately three power**
11 **transformer replacements per year through 2052 is derived from the**
12 **Gannett Fleming Service Life Study, which found that Newfoundland**
13 **Power's transformer fleet aligns with a 55-R3 survivor curve. If not**
14 **confirmed, please explain the basis for the forecast of approximately**
15 **three replacements per year.**

16 **b) Please explain how the statistically forecast retirement rate of**
17 **approximately three transformers per year is incorporated into**
18 **Newfoundland Power's capital planning, given that the Gannett**
19 **Fleming forecast did not consider individual transformer condition.**

20
21 **A. a) It is confirmed.**

22
23 **b) The statistically forecast retirement rate of approximately three transformers per**
24 **year is incorporated into Newfoundland Power's capital planning as a long-term**
25 **planning guide rather than a fixed annual replacement target. The forecast**
26 **provides an indication of the approximate volume of transformer replacements**
27 **that Newfoundland Power should expect to manage over the long term based on**
28 **the age profile of the fleet. See the response to Request for Information**
29 **PUB-NP-015 for additional information.**

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31 *Power transformer replacements proposed in the 2027 Capital Budget Application*
32 *are justified based on transformer condition assessments, inspection and testing*
33 *results, operating experience, operational requirements, spare transformer*
34 *inventory, portable substation capability, customer and system impacts,*
35 *procurement lead times, and overall risk considerations. These factors are used*
36 *to determine which transformers should be replaced and when replacements*
37 *should occur. As a result, the number of transformers proposed for replacement*
38 *in a given year may be higher or lower than the average rate identified in the*
39 *Service Life Study.*