

1 **Q. Reference: "2027 Capital Budget Application," Newfoundland Power Inc., May**
2 **29, 2026, Supporting Materials, Substations: 2.2, Substation Power**
3 **Transformer Strategy, Appendices A-D; and Appendix B, LBK-T1 Power**
4 **Transformer Replacement, p. 8.**

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6 **For LBK-T1, Newfoundland Power states that the replacement transformer**
7 **and new spill containment foundation will be installed while the existing**
8 **transformer remains in service. Planned power transformer replacements are**
9 **also identified as a material driver of forecast portable substation utilization.**

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11 **a) For each power transformer replacement proposed in the 2027 Capital**
12 **Budget Application, please identify whether Newfoundland Power**
13 **assessed an installation arrangement whereby the existing transformer**
14 **could remain in service until the replacement transformer was installed**
15 **and ready for changeover, thereby reducing or eliminating the duration**
16 **of portable substation deployment.**
17 **b) Where such an arrangement was assessed, please provide the results,**
18 **including any incremental capital cost and reduction in portable**
19 **substation utilization. Where it was not assessed, please explain why**
20 **not.**

21
22 **A.** In Newfoundland Power's *2027 Capital Budget Application*, report 2.2 *Substation Power*
23 *Transformer Strategy*, Appendix B: LBK-T1 Power Transformer Replacement, page 8,
24 the Company did not state that a new spill containment foundation will be installed while
25 the existing transformer remains in service. For clarity, the above-referenced appendix
26 states that a replacement transformer will be *procured* while the existing power
27 transformer remains in service.

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29 a) The execution requirements for each power transformer replacement proposed
30 in Newfoundland Power's *2027 Capital Budget Application* were considered
31 during project planning and estimate development.

32
33 The ability to maintain the existing transformer in service while installing a
34 replacement transformer depends on the physical configuration and available
35 space at the substation. For the proposed replacements of LAU-T1, HAR-T1,
36 LBK-T1 and RRD-T3, the existing substation layouts do not provide sufficient
37 space to install and commission a replacement transformer while maintaining the
38 existing transformer in service.

39
40 A parallel installation arrangement would require substantial additional
41 infrastructure beyond that required for the power transformer replacement
42 projects. Depending on the site, this could include yard expansion, new
43 high- and low-voltage structures, additional bus work, conduit and control
44 cabling, grounding systems, protection and control equipment, and associated
45 site modifications. Such work is more consistent with a substation expansion or

1 refurbishment project than with the scope of the proposed transformer
2 replacement projects.

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4 b) See part a).