

1 **Substations**  
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3 **Q. Reference: "2025 Capital Budget Application," Newfoundland Power Inc.,**  
4 **June 28, 2024, sch. B, Pulpit Rock Substation Power Transformer**  
5 **Replacement, p. 68, and Supporting Materials, Substations: 2.2, app. A, sec.**  
6 **4.2, p. 7.**  
7

8 **...it is reasonable to expect multiple power transformer failures could occur**  
9 **over the same period. [sch B, p. 68]**

10  
11 **and;**  
12

13 **There are numerous additional disadvantages to repair. There are limited**  
14 **facilities that can repair power transformers, resulting in high costs and long**  
15 **lead times. [Substations: 2.2, app. A, sec. 4.2, p. 7]**  
16

17 **a) In its report titled "Substation Spare Transformer Inventory" filed with its**  
18 **2023 Capital Budget Application, Newfoundland Power indicated that it**  
19 **had opted to repair a total of nine power transformers over the period**  
20 **2011–2022, seven of which required the use of a portable substation. Why**  
21 **does Newfoundland Power not consider this a viable option in the case of**  
22 **PUL-T2?**

23 **b) Please confirm that Newfoundland Power has a suitable spare transformer**  
24 **for PUL-T2, and if so, how many?**

25 **c) Please confirm how many of Newfoundland Power's three portable**  
26 **substations are suitable for deployment in place of PUL-T2 if PUL-T2 were**  
27 **to be removed for repair.**

28 **d) Did Newfoundland Power receive quotes for the repair of PUL-T2? If so,**  
29 **please provide the estimated cost to repair PUL-T2. If not, why not?**

30 **e) Please provide the quoted lead time for the repair of PUL-T2.**  
31

32 **A. a) See Newfoundland Power's 2025 Capital Budget Application, report 2.2 Substation**  
33 **Power Transformer Replacements, Appendix A, section 4.2 Alternative 2 – Repair**  
34 **PUL-T2 for why Newfoundland Power does not consider the repair of PUL-T2 to be a**  
35 **viable option.**  
36

37 **b) See Newfoundland Power's 2025 Capital Budget Application, report 2.2 Substation**  
38 **Power Transformer Replacements, Appendix A, section 4.1 Alternative 1 – Condition**  
39 **Based Maintenance of PUL-T2. Newfoundland Power does not presently have a**  
40 **suitable spare transformer for PUL-T2. The spare transformer that was procured**  
41 **through the 2023 Substation Spare Transformer Inventory project approved in the**  
42 **Company's 2023 Capital Budget Application will be a suitable spare. It is expected to**  
43 **arrive in the fourth quarter of 2024.**  
44

45 **c) See Newfoundland Power's 2025 Capital Budget Application, report 2.2 Substation**  
46 **Power Transformer Replacements, Appendix A, Section 4.1 Alternative 1 – Condition**  
47 **Based Maintenance of PUL-T2. Three of Newfoundland Power's four portable**

- 1 substations are suitable for deployment in place of PUL-T2 if PUL-T2 were to be  
2 removed for repair.  
3
- 4 d) Newfoundland Power did not receive quotes for the repair of PUL-T2.  
5 See Newfoundland Power's *2025 Capital Budget Application*, report. *2.2 Substation*  
6 *Power Transformer Replacements, Appendix A*, section *4.2 Alternative 2 – Repair*  
7 *PUL-T2* for the reasoning why repair of PUL-T2 was not a viable option.  
8
- 9 e) Newfoundland Power did not receive quotes on the repair of PUL-T2. See  
10 Newfoundland Power's *2025 Capital Budget Application*, report *2.2 Substation Power*  
11 *Transformer Replacements, Appendix A*, section *4.2 Alternative 2 – Repair PUL-T2*,  
12 which states that a repair would require the unit to be removed from service for 18  
13 to 24 months.