

- 1 **Q. (Reference Application, Schedule B, page 8)**
- 2
- 3 **Footnote 17 indicates that one of NP’s spare transformers has the same**
- 4 **configuration as that of the required replacement but has “insufficient**
- 5 **capacity.”**
- 6
- 7 **(a) What is its capacity?**
- 8 **(b) Would it be feasible to operate this transformer safely at the MUN site?**
- 9 **(c) If so, how much of the risk of prolonged outages could be mitigated if this**
- 10 **spare were used to replace MUN-T2?**
- 11
- 12 **A. (a) The spare power transformer referenced in Footnote 17 was manufactured in 1968**
- 13 **by General Electric and has a capacity of 2.24 MVA.**
- 14
- 15 **(b) No, the spare power transformer referenced in Footnote 17 is not a feasible**
- 16 **replacement. This spare power transformer has a capacity of 2.24 MVA, which is**
- 17 **less than half of what is required to supply the load normally served by MUN-T2.**
- 18 **This capacity would also be insufficient to restore the university’s typical**
- 19 **redundancy as it represents about one tenth of the capacity required to serve the**
- 20 **university.¹**
- 21
- 22 **(c) The spare power transformer referenced in Footnote 17 would be capable of**
- 23 **servicing only a fraction of the required load and would therefore not mitigate the**
- 24 **risk of prolonged outages. See part (b) of this response.**

¹ For information on the load of Memorial University, see the responses to Requests for Information CA-NP-008 and CA-NP-026.