

- 1 **Q. (Reference Application, 2.1 2025 Substation Refurbishment and**
2 **Modernization, Appendix A: Summerville Substation Refurbishment and**
3 **Modernization, page 8) It is stated " *There are deficiencies identified with the***
4 ***ground grid at SMV Substation that pose a risk to safety and reliability.*"**
5 **When did NP first become aware that there was a safety problem at this**
6 **substation that could result in electrocution? It is understood that there is a**
7 **similar safety issue at the SMV and LOK Substations. When did NP become**
8 **aware of the safety issues at these substations?**
9
- 10 A. In 2020, Newfoundland Power completed an engineering assessment of its substation
11 ground grids. The assessment determined that 46 substations had deficiencies that
12 needed to be addressed. In the Company's *2022 Capital Budget Application*, a
13 *Substation Ground Grid Upgrades* project was introduced to address these deficiencies.
14 Through the *Substation Ground Grid Upgrades* projects and the *Substation*
15 *Refurbishment and Modernization* projects, the substation ground grids will be upgraded
16 in compliance with *ANSI/IEEE Standard 80 Guide for Safety in AC Substation Grounding*.