

1 Q. **Reference: Application, 2024 Capital Budget Overview, Appendix F, page F-25**

2 With respect to station lighting replacements, should Hydro embark on a plan to replace all
3 station lighting with high-efficiency lighting? Has Hydro considered the economic and
4 environmental benefits of such a program? Would this be consistent with government net-zero
5 carbon initiatives?

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8 A. Newfoundland and Labrador Hydro's ("Hydro") approach to upgrading terminal station lighting
9 varies for sites which contain polychlorinated biphenyls ("PCB") and those which do not.

10 In 2021, Hydro completed a survey of its terminal station lighting to identify light fixture types,
11 manufacturers, and year of manufacturer that were known to contain PCBs. This survey
12 identified 13 terminal stations as having light ballasts that could potentially contain PCBs. Any
13 fixtures containing PCBs are targeted for replacement with modern lighting.

14 For terminal station lighting not identified as containing PCBs, Hydro replaces these lighting
15 systems when they reach end of life. Hydro has standardized to LED¹ lighting technology when
16 replacing terminal station lighting, where Hydro expects savings to be realized. There is a
17 negligible GHG emissions benefit associated with replacing existing terminal station light fixtures
18 before end of life.

¹ Light-emitting diode ("LED").