

1 Q. Is solar a viable alternative for electricity production in NL? How do solar radiation levels and
2 current levels of solar electricity production in NL compare to the province of Ontario, and the
3 states of Minnesota and Arizona?

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6 A. As stated in the “Reliability and Resource Adequacy Study – 2022 Update,”¹ Newfoundland and
7 Labrador Hydro (“Hydro”) is considering solar energy generation as a potential resource
8 expansion option. From an expansion point of view, Hydro has considered utility-scale, ground-
9 mounted, photovoltaic solar farms for a project size between 10 MW and 20 MW. Hydro will
10 continue to investigate utility-scale, ground-mounted, photovoltaic solar farms to monitor
11 improvements in technology, including storage options.

12 Hydro does not have information to compare solar radiation levels and current levels of solar
13 electricity production in Newfoundland and Labrador against Ontario, Minnesota, or Arizona.

¹ “Reliability and Resource Adequacy Study – 2022 Update,” Newfoundland and Labrador Hydro, October 3, 2022, vol. III, sec 7.1.