

1 Q. **Reference: Program 3 Replace Light- and Heavy-Duty Vehicles (2025-2027), page 8, Footnote 4.**

2 It is stated that “Where appropriate, Hydro will consider electric vehicles during the
3 procurement process. Vehicles will be selected based on their suitability for their intended
4 purpose, as well as life-cycle cost.”

5 a) Is the replacement criteria for electric vehicles the same as internal combustion engine
6 vehicles?

7 b) What update can Hydro provide with respect to its operating experience with electric
8 vehicles and charging equipment?

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11 A. a) Newfoundland and Labrador Hydro’s (“Hydro”) replacement criteria is consistent for both
12 electric vehicles (“EV”) and internal combustion engine vehicles (“ICEV”). Hydro will
13 continue to monitor the performance and longevity of its electric fleet vehicles and make
14 adjustments, as required, through the lifecycle of these assets. This approach has been
15 informed through Hydro’s consultation with fleet managers at other Canadian utilities.

16 b) To date, Hydro’s fleet electrification has yielded positive results. At the end of 2023, Hydro
17 had five electric fleet vehicles which, combined, had travelled approximately 80,000 km.
18 Assuming an average fuel price of \$1.65/L, these vehicles have avoided an estimated
19 \$12,000 in fuel costs versus a comparable ICEV.¹ User feedback has been positive and
20 identified a preference for EVs with all-wheel drive (“AWD”) for improved traction during
21 winter driving conditions,² which has been taken into account for recent vehicle purchases.

22 Fleet EV charging equipment has been reliable, with only one unit requiring repair outside
23 the initial warranty period since installation.

¹ When compared to a Chevrolet Equinox AWD with a combined fuel consumption rate of 9.0L/100km (80,000 km/100 x 9.0 x \$1.65 = \$11,880). Hydro is forecasting lower maintenance costs for EVs relative to ICEV alternatives, once vehicles are outside their warranty period. Hydro will continue to monitor these results as its early in-service EVs increase in age.

² Two of Hydro’s five EVs were equipped with AWD at the end of 2023.