

1 Q. **Reference: Reliability and Resource Adequacy Study 2022 Update, “Planning for Today,**
2 **Tomorrow, and the Future, p. 4.**

3 The brochure, “Planning for Today, Tomorrow, and the Future” filed with the Reliability and
4 Resource Adequacy Study 2022 Update, states on page 4: “The current base forecast is expected
5 to grow by 120 MW in the next decade.” Explain the reasons for this increase, including how
6 much is attributed to electric vehicles and each other category of load growth.

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9 A. In 2032, the Newfoundland and Labrador Interconnected System customer coincident demand
10 is forecast to be approximately 2,208 MW, approximately 135 MW higher than the 2023
11 forecast demand.^{1,2} The increase in forecast load includes approximately 49 MW of potential
12 interruptible load associated with the conversion of the heating systems of one large
13 Commercial customer and one Industrial customer to electric heat. It also includes additional
14 industrial load of approximately 18 MW stemming from the commencement of the Valentine
15 Gold Project by Marathon Gold Corporation. Electric vehicle uptake further contributes
16 significantly to the forecast load growth, accounting for approximately 50 MW.^{3,4} The remaining
17 forecast load growth, approximately 18 MW, can be primarily attributed to regular changes in
18 utility load that stem from the long-term economic and energy price forecast for the province,^{5,6}
19 impacting load growth through changes in factors such as the number of customers and
20 consumer behaviour.

¹ Newfoundland and Labrador Hydro’s 2022 planning load forecast.

² The forecast values exclude transmission losses and station service.

³ “Reliability and Resource Adequacy Study – 2022 Update,” Newfoundland and Labrador Hydro, October 3, 2022, vol. III, att. 2.

⁴ The forecast electric vehicle demand requirements assume a level of demand management for electric vehicle charging is attainable.

⁵ The long-term economic forecast for the province is taken from “Budget 2022 Change is in the air” Government of Newfoundland and Labrador, April 7, 2022,

<<https://www.gov.nl.ca/budget/2022/wp-content/uploads/sites/6/2022/04/Budget-2022-Speech.pdf>>.

⁶ Local fuel price projection derived from S&P Global’s long-term oil price forecast, May 2022.

21 The load growth reflected in the forecast does not reflect the recent evidence of an
22 electrification initiative by the provincial government for customers to convert from oil heating
23 to electric heating.