

1 **Reference: Volume 2, Customer, Energy and Demand Forecast**
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3 **Q. Volume 2, Customer, Energy and Demand Forecast, page 3. Further to PUB-NP-**
4 **053 did Newfoundland Power complete any analysis of the impact of using different**
5 **historical periods for forecasting the average system load factor than five years and**
6 **fifteen years? If yes, provide it. If not, state how the use of one year, three years and**
7 **ten years historical data, within the period 2010 to 2019 would impact**
8 **Newfoundland Power’s peak demand forecast proposed in the General Rate**
9 **Application.**

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11 A. Yes, Newfoundland Power completed analyses of its peak demand forecast using
12 different historical periods for calculating the average system load factor.

13
14 Table 1 provides the Company’s *pro forma* peak demand forecast using 1, 3, 5, 10, and
15 15 years of historical data over the period 2005 to 2019.¹

Table 1:
Newfoundland Power Pro Forma Peak Demand Forecast
1, 3, 5, 10, and 15-year Average Load Factor
(MW)

Year	1-Year	3-Year	5-Year	10-Year	15-Year
2021	1,331.9	1,351.5	1,350.8	1,343.9	1,341.8
2022	1,331.4	1,351.0	1,350.3	1,343.4	1,341.3
2023	1,322.6	1,342.1	1,341.4	1,334.5	1,332.4

16 Use of a 1-year, 10-year, and 15-year average load factor would have reduced
17 Newfoundland Power’s 2023 peak demand forecast by approximately 18.7 MW,
18 6.8 MW, and 8.9 MW, respectively. Use of a 3-year average load factor would have
19 increased the Company’s 2023 peak demand forecast by approximately 0.7 MW.

¹ Newfoundland Power’s load factor in 2020 was the highest recorded system load factor in at least 30 years and was influenced by public health measures in effect to manage the COVID-19 pandemic. It was therefore excluded. Including the 2020 load factor would have reduced the Company’s peak demand forecast by approximately 4 MW, using the 5-year average load factor.