

1 Q. Reference: Review of Newfoundland Power Load Forecasting Methodology, April 17,
2 2024, page 12.

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4 “...using monthly data provides considerably more data for the Company to train its
5 models on, which may produce better forecasting outcomes. At the very least, the
6 company should test whether or not they achieve better forecasting accuracy by
7 using more granular data.”

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9 a. In Brattle’s view, could creating and using monthly data as opposed to annual
10 data increase the complexity and costs associated with Newfoundland
11 Power’s energy forecasting methodology?
12 b. Does Brattle recommend a forecast methodology that uses a separate
13 regression model for each month of the year or a singular regression
14 methodology that uses 12 separate data points for each month?
15 c. Are there forecasting tools or software that Brattle recommends for
16 completing an energy forecast based on monthly data? If so, please describe
17 them.

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19 A. a) Given the state of computer capabilities for calculation, the increase in costs
20 should be *de minimus*.
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22 b) Brattle is suggesting to use monthly data in one regression to increase the
23 variation and data points in the regression and to be able to account for
24 seasonal changes in load.
25
26 c) Brattle is not making a recommendation regarding which software tools should
27 be used. Manifold statistical and econometric tools are now available, such as
28 R, STATA, SAS, and others.