

NOVA SCOTIA UTILITY AND REVIEW BOARD

IN THE MATTER OF: The *Public Utilities Act*

-and -

IN THE MATTER OF: NOVA SCOTIA POWER INCORPORATED's 2025 Load
Forecast Report

INFORMATION REQUESTS

To: **Mark Peachey**
Manager, Regulatory System Planning & Innovation
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Email: mark.peachey@nspower.ca

From: The Consumer Advocate

Responses Due: **August 19, 2025**

Copies: 1 electronic copy (PDF searchable)

Contact Person: **David J. Roberts**
Consumer Advocate
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1 **Request IR-1:**
2

3 Reference: Exhibit N-1, p. 41.
4

- 5 (a) Please provide the system-coincident unmanaged peak impact per vehicle for 2023 in
6 the same format as the response in Exh. N-2, Matter M11108, CA RIR-3.
7
- 8 (b) Please provide any assumptions or forecast of managed charging participation rates, by
9 vehicle type, that have been used in the development of Figures 28 and 29.
10
- 11 (c) According to Exh. N-2, Matter No. M11689, CA RIR-4(b), “counterfactual”
12 unmanaged charging data indicates only 0.4 kW/vehicle, with the measured
13 contribution to peak being 0.24 kW/vehicle. Please explain the 0.6 avg kW/vehicle on
14 peak value in Figure 28, taking into consideration (i) the cited results from the Smart
15 Grid Nova Scotia Final Report, (ii) NS Power’s assumptions regarding anticipated
16 participation rates for managed charging programs, and (iii) any changes to anticipated
17 peak demand hours.
18
- 19 (d) Please explain the 0.7 kW/vehicle and 1.2 kW/vehicle columns in the two Figure 29
20 tables. If the difference between these two values is explained by the 0.5 kW/vehicle
21 maximum non-coincidence residential peak value discussed in the text, please explain
22 how this value is being used, i.e., what residential peak estimate is included in each
23 column and what that value is intended to represent.

Request IR-2:

Reference: Exhibit N-1, Section 10.0.

- (a) Please provide a table summarizing NS Power's forecasts for demand reduction and actual demand reduction due to time-varying pricing in the following format.

Load Forecast Report:	2021	2022	2023	2024	2025	Actual Demand Reduction
Year						
2021						
2022						
2023						
2024						
2025						
2026						n/a
2027						n/a
2028						n/a
2029						n/a
2030						n/a
2031						n/a
2032						n/a
2033						n/a
2034						n/a
2035						n/a

- (b) Please provide a brief explanation of the basis for the actual demand reduction amount in the response to part (a).
- (c) Please provide NS Power's current estimate for when it will fulfill the commitment that its investment in AMI technology would result in a reduction in system peak demand, and thus reduce the amount of necessary system peaking capacity.
- (d) Considering the top ten peak event periods during the 2023-2024 winter, where an event is defined a morning, mid-day, evening, or full-day period: Please identify the peak hour associated with each event period and whether that hour occurred on a weekday or weekend and during a peak TOU period or not.
- (e) Please provide the projected reduction in system peak associated with TVP rates, the number of customers required to achieve those savings, and the associated peak impact per customer. In your response, please provide support for all data and assumptions.
- (f) Please summarize the plans for the TVP Pilot and the longer-term plan for TVP tariff deployment.

- 1 (g) Please identify what additional data and analysis is required by NS Power to fully
2 understand the performance of TVP rates and achieve NS Power's goals for this
3 program.
4

5 **Request IR-3:**
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7 Reference: Exhibit N-1, Section 10.4.
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- 9 (a) Please provide the data supporting Figures 71 and 72.
10
11 (b) If available, please provide the class load data for 2024 on an hourly basis for the entire
12 year. If not available, please explain.
13
14 (c) Please provide a comparison of NS Power's current forecast of system peak (aggregate
15 method) with a forecast of system peak using the data supporting Figures 71 and 72
16 and a class-specific growth rate. By class-specific growth rate, ideally this would be a
17 class-specific peak demand growth rate, but if this is not available, then please use the
18 class-specific customer growth rate.
19
20 (d) Please discuss the pros and cons of switching from an aggregate method to a class-
21 specific method as potentially illustrated by the response to part (c). Please explain
22 whether this is what is meant by the statement that "NS Power has been exploring ways
23 of using interval data to understand peak at the class level from a bottom-up
24 perspective."
25