

NOVA SCOTIA ENERGY BOARD

IN THE MATTER OF: THE PUBLIC UTILITIES ACT

- and -

**IN THE MATTER OF: Nova Scotia Power Inc. – 2025 Evergreen IRP Action Plan and
Roadmap Update**

INFORMATION REQUESTS

To: Nova Scotia Power Incorporated

**From: Synapse Energy Economics Inc.
Bob Fagan and Shelley Kwok**

Responses Due: Tuesday, July 15, 2025

Copies: 1 electronic copy (PDF searchable)

Contact Person: Bob Fagan and Shelley Kwok
Synapse Energy Economics Inc.
485 Massachusetts Ave.
Cambridge, MA 02139
Tel: 617-661-3248
Email: rfagan@synapse-energy.com and skwok@synapse-energy.com

Issued at Halifax, Nova Scotia, this 24th day of June, 2025.



Crystal Henwood, Clerk of the Board

Request IR-1:

Reference: Extent of new modeling in support of Action Plan update.

- a. State whether NSP conducted any new capacity expansion or production cost modeling as part of this IRP Action Plan and Roadmap update.
 - i. If yes, explain how these results were used to inform the Action Plan and Roadmap update.
 - ii. If no, state when the modeling runs that are used as the basis for the Action Plan update were conducted.
- b. State whether NSP has conducted any new capacity expansion or production cost modeling since the finalization of the Clean Electricity Regulations.
 - i. If yes, explain how NSP translated these regulations into the modeling environment and summarize the impacts on the resource portfolio.
 - ii. If no, explain why NSP has not done so.
- c. State whether the IRP Action Plan update incorporates the most recent load forecast, DSM Plan, and load management assumptions.
- d. State the extent to which the updated Action Plan considers or uses the modeling results and input assumptions used in assessing the benefits associated with the Reliability Tie in Matter M12217.
- e. If applicable, provide workpapers associated with any new modeling conducted for the Action Plan update. Provide input assumptions and full results tables (both in Excel format) associated with any new modeling used to update the Action Plan.

Request IR-2:

Reference: The Path to 2030 - 2024 Update, pages 5-6, new NSIESO:

- a. Describe the transition process as it relates to NSIESO taking on modeling responsibilities for the next IRP, given that NS Power is currently working on items to support the next IRP, including conducting an updated ELCC study.
- b. Confirm or explain otherwise that NSIESO, and not NS Power, will conduct all new modeling exercises for the next IRP.

Request IR-3:

Reference: The Path to 2030 - 2024 Update, Figure 1 - 2030 Clean Power Plan Resources, page 7, including footnotes 3 and 4; and Figure 2 – Nova Scotia’s 2030 Clean Power Plan (October 2023), page 14.

- a. Confirm, or explain otherwise, that this Action Plan update directly reflects the resource pathway contained in Figure 1 - 2030 Clean Power Plan Resources of the "The Path to 2030 - 2024 Update".
- b. Summarize the additional resource builds and timing in Figure 1 that this Action Plan update recommends, separated by resource type, relative to the 2023 IRP Action Plan.
- c. With respect to footnotes 3 and 4, how is, or how will, NSIESO determine the specific quantity and timing for new battery energy storage resources? In particular, does NSIESO plan to use updated modeling to determine such quantities and timing?
- d. With respect to "Stage 2" fast-acting generation resources seen in Figure 1, and the description of the Clean Power Plan fast-acting generation resources in Figure 2 ("Potential for 300+ MWs additional in 2030 or **later**" **emphasis added**), how was it determined that the Stage 2 Fast Acting Generation Resources timing, both initial COD and anticipated COD, was 2029-2030 given that the Clean Power Plan indicated 2030 or later for timing of such Stage 2 fast-acting resources?

Request IR-4:

Reference: Clean Electricity Regulations, slides 8-16.

- a. Describe if and how the CER treatment of new versus planned units will impact future actions related to near-term procurement of thermal generators.
- b. Concerning Slide 16 and the use of emitting generation beyond 2035: Confirm or explain otherwise that NS Power is using the Clean Electricity Regulations: SOR/2024-263 as posted under the Canada Gazette, Part II, Volume 158, Number 26, Registration SOR/2024-263 December 13, 2024.
- c. Re: slide 14. Provide an update on the timing of new, planned thermal units, including the number of units that are expected to meet and not meet certain progression milestones of the AEL by the end of 2025.

Request IR-5:

Reference: The Path to 2030 – 2024 Update, pages 35-38, fuel conversions.

- a. Provide an update on the status of fuel conversions at existing units.

Request IR-6:

Reference: The Path to 2030 – 2024 Update, page 35, fast-acting generation.

- a. State the current megawatt need and year of need for new fast-acting generation that is included in the current action plan and the basis for that need and timing.