

NOVA SCOTIA ENERGY BOARD

IN THE MATTER OF: THE PUBLIC UTILITIES ACT

- and -

**IN THE MATTER OF: NOVA SCOTIA INDEPENDENT ENERGY SYSTEM
OPERATOR's – 2026 10-Year System Outlook Report**

NON-CONFIDENTIAL INFORMATION REQUESTS

To: **Mark Peachey, LL.B.**
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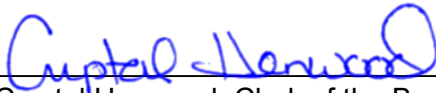
From: Board Staff
Nova Scotia Energy Board

Responses Due: **Friday, October 9, 2026**

Copies: 1 electronic copy (PDF searchable)

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Issued at Halifax, Nova Scotia, this 17th day of September 2026.



Crystal Henwood, Clerk of the Board

Request IR-1:

Referencing Table 1: Forecast System Peak and Net System Requirement, pdf page 6, IESO Nova Scotia stated that adjustments were made to net system requirements to account for Renewable-to-Retail customers, customers served by municipal utilities, and behind-the-meter solar load not served by NS Power.

- a) Please explain whether any adjustments to the system peaks are also required.

Request IR-2:

Referencing Table 2: 2026 Nova Scotia Generation Resources, pdf page 8.

- a) Please explain whether all generation facilities listed in the table are fully functional or whether any facilities are subject to planned or unplanned maintenance or service work that may affect resource planning and system operations.
- b) Please provide details about the duration of the unavailability and expected restoration.
- c) Please provide an update and explain what resources are available to compensate for the resulting shortage.

Request IR-3:

Please provide a table showing the 10-year Marginal ELCC Percentage for New Wind Additions table.

Request IR-4:

Referencing Table 2, pdf page 8, all solar generation resources are assigned to a firm capacity value equal to 12% of nameplate capacity based on ELCC.

Referencing Table 3, pdf page 15, all solar generation resources from 2027/2028 to 2029/2030 are assigned a zero firm capacity value.

- a) Please explain the discrepancy between the firm capacity treatment of solar generation resources in these two tables.

Request IR-5:

Pdf page 13 of the report states that the fast-acting generation requirement changed from 600 MW to 450 MW compared to the last NS Power Integrated Resource Plan (IRP). Please explain what changes in conditions resulted in this alteration.

Request IR-6:

If the new 450 MW of fast-acting combustion turbines generating capacity is not in service by 2030, please describe IESO Nova Scotia's specific plan to meet projected system load, as well as maintain system reliability and Northwest Power Coordinating Council (NPCC) compliance.

- a) Please explain how this plan will meet NS Power's legislated requirements to phase out coal generation and meet 80% renewables electricity generation by 2030.

Request IR-7:

Please describe IESO Nova Scotia's contingency plan to meet projected system load, as well as maintain system reliability and NPCC compliance, if IESO Nova Scotia has not put 250 MW of battery storage in-service by 2029/2030.

Request IR-8:

Table 3, pdf page 15, of the report identifies additions and retirements over the next 10 years.

Table 4, pdf page 18, of the 10-Year Load and Resource Outlook.

- a) Please explain whether the firm capacity values listed in Table 3 and the firm resource additions listed in Table 4 are based on Effective Load Carrying Capacity (ELCC) firm capacity values or nameplate values.
- b) As the ELCC firm capacity percentage values may change over time as renewable resource capacity changes, please also explain whether the firm capacities listed for each year over the 10-year period in Table 4 reflect changes in ELCC percentages.

Request IR-9:

Pdf page 16 of the report states the following:

The PRM is a long-term planning assumption specific to the power system under study that is verified or updated periodically. NS Power studied the appropriate calculation of the PRM in Nova Scotia as part of the 2020 IRP, which confirmed that a 20% PRM target was appropriate for long-term planning. IESO Nova Scotia continues to use the 20% PRM target.

- a) Is the appropriate calculation of the Planning Reserve Margin (PRM) in Nova Scotia being re-assessed as part the IESO Nova Scotia 2026 IRP?
 - i. If not, why not?
- b) Please explain whether IESO Nova Scotia plans to undertake a new PRM study in the future.
 - i. If so, when such a study is expected to be completed.
 - ii. If not, please explain.

- c) Regarding the periodic verification or update of the PRM, please quantify “periodic” and explain how that period is determined.

Request IR-10:

Referencing Load and Resources Overview, pdf page 17 states:

Thermal conversions are reflected as firm capacity additions in the year they come into service: the Coal-to-Gas conversion (150 MW) represents the Point Tupper 2 conversion in 2028/2029, and Coal-to-HFO (459 MW) represents the Lingan units 1, 3, and 4 conversions to HFO.

- a) What are the anticipated start and end dates for each of these conversion projects?
- b) What alternative resources will replace their capacity and energy while these facilities are out of service during the conversion process?

Request IR-11:

Referencing IESO Nova Scotia’s 10-Year Load and Resource Outlook:

Pdf page 18 states that the PRM will fall below the 20% target in the final two years of the outlook, which indicates that additional firm capacity will be required in the outer years. Table 4 shows the PRM as 19% and 18% in those final two years.

- a) Please confirm whether the 2020 IRP analysis indicated that the NPCC Loss of Load Expectation (LOLE) criteria could be satisfied in any year with a PRM less than 20%.
- b) Please reproduce Table 4 to show the amount of DSM that is forecast to reduce the system peak in each year.

Request IR-12:

Please provide graphs showing historical and predicted annual system peak and annual net system requirement values for review, including the past 10 years and next 10 years, similar to Figures 1 and 2 in the 2025 10-Year System Outlook.

Request IR-13:

Please convert the existing Figures 1 and 2 graphs into a table that indicate firm capacity changes for 2027 through 2036, including detailed resource types and capacities.

Request IR-14:

Referencing Renewable Electricity Requirements and Figure 3:

- a) Please provide a table showing the percentage of RES compliance expected during each year from 2026/2027 to 2035/2036 inclusive.

Request IR-15:

Referencing Large Load Interconnection Requests and Table 8 Large-Load SIS, pdf page 23.

For each project listed:

- a) identify whether the large load is commercial or industrial;
- b) describe the predominant type of load proposed for each facility;
- c) identify the proposed interconnection point (i.e., transmission line or substation); and
- d) provide the anticipated in-service date.

Request IR-16:

Referencing the OATT Transmission Service Queue, on pdf page 24, IESO Nova Scotia stated:

As of June 4, 2026, there are three requests in the Open Access Transmission Tariff (OATT) Transmission Queue.³⁹

- a) The link provided in footnote 39 lists only two requests. Please provide details about the third request and explain why it no longer appears in the queue.

Request IR-17:

Referencing Planned Projects, on pdf page 24, IESO Nova Scotia stated:

The proposed projects are required to maintain system reliability and security and comply with System Design Criteria and other standards.

- a) Provide the “System Design Criteria and other standards”.

Request IR-18:

Pdf page 25 of the report notes that at present, five synchronous condensers are required by 2030 to accommodate expected new generation and BESS resources.

- a) What is the estimated capital cost associated with each of these units, inclusive of their respective circuit breaker and substation terminals?
- b) What is the estimated lead time required to procure each of these units?
- c) What is the anticipated schedule to have each of these units in service?
- d) Please describe IESO Nova Scotia’s contingency plan in the event that any of these units are not in services by the time the new generation and BESS resources are expected to be in service.

1 **Request IR-19:**

2 Referencing the Transmission Development Project List and Table 9, pdf page 26, IESO Nova
3 Scotia stated:

4 Table 9 below lists the transmission system development projects identified by IESO Nova
5 Scotia which must be completed over the 10-Year System Outlook horizon.

- 6 a) Please explain what analysis produced that list of transmission projects.
- 7 b) Have those projects been identified in NS Power's ACE Plan?
- 8 c) For each listed project, identify the terminal points for the transmission lines and the names
9 of the substations.
- 10 d) Please elaborate on the status of each listed project (e.g., Project approved by the Board?
11 Submitted for approval? Under construction? Being studied? etc.)