

NOVA SCOTIA ENERGY BOARD

IN THE MATTER OF: THE PUBLIC UTILITIES ACT

- and -

IN THE MATTER OF: AN APPLICATION by NOVA SCOTIA POWER INC. for approval of CI C0068659 – TRE5 IP-LP Turbine Refurbishment - \$2,963,160 (ATO)

INFORMATION REQUESTS

To: Lana Myatt
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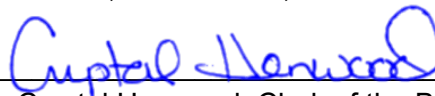
From: Board Staff
Nova Scotia Energy Board

Responses Due: Thursday, September 17, 2026

Copies: 1 electronic copy (PDF searchable)

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Issued at Halifax, Nova Scotia, this 26th day of August 2026.



Crystal Henwood, Clerk of the Board

Request IR-1:

Please provide the assessment reports, inspection records, and other supporting documentation that identified the original project scope and additional repair scope for Trenton Unit 5.

Request IR-2:

In Appendix F, page 36, of NS Power's ACE 2026 application, NS Power stated that Trenton 5 is forecasted to retire in 2027.

However, in this application file, NS Power noted the following:

Consistent with future unit utilization that was shown in the 10-Year System Outlook, Trenton 5 will be required to provide reliable generating capacity further into the future than previously forecast, in order to meet increasing peak customer load requirements.

- a) Please provide the most current retirement plan for Trenton Unit 5, including the planned retirement year, and any system planning changes that may affect the retirement date.
- b) Was the additional work identified in the ATO needed to keep the plant going until 2027?
- c) Please provide a list of all capital investments planned for Trenton Unit 5 prior to its retirement, including the purpose, estimated costs, and the expected year of each investment; and
- d) Please explain whether the proposed refurbishment project aligns with NS Power's plan to meet the 80% renewable target by 2030.

Request IR-3:

In its response to NSUARB's IR-88 of 2025 ACE Plan, NS Power stated that some critical components could be utilized as future spares on Tufts Cove Unit 3 and Point Tupper Unit 2.

- a) Please provide a table identifying all components refurbished as part of the proposed IP-LP refurbishment project. For each component, please indicate whether NS Power expects the component to be retained or reused as a spare part for any other generating unit after the retirement of Trenton Unit 5. Please also identify the potential receiving generating unit or facility and indicate whether each potential receiving unit or facility is currently expected to retire before 2030; and
- b) If any component is not expected to be reused as a spare, please explain why not.

Request IR-4:

- a) What is the current rated capacity in MW of Trenton Unit 5?
- b) Please compare Trenton Unit 5's annual energy production data to NS Power's total annual generation for each year since the last maintenance outage in 2012.

- 1 c) Is Trenton Unit 5 classified as a lower-emitting or higher-emitting generating unit relative
2 to NS Power's other similar thermal generating units?
- 3 d) Is Trenton Unit 5 classified as a lower-cost or higher-cost generating unit relative to NS
4 Power's similar thermal units?

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6 **Request IR-5:**

7 Beginning in 2020, please provide the annual operating cost of Trenton Unit 5 in \$/MWh and total
8 dollars for each year. Please compare these costs with similar NS Power thermal generating units.

9

10 **Request IR-6:**

11 In "Why do this project now?", NS Power noted that:

12 Unit 5 at Trenton has reached an inspection interval since the last maintenance outage in
13 2012.

14 ...

15 NS Power has successfully deferred this project over the last number of years, but the
16 asset condition and updated future unit utilization requires this work to be completed in
17 2025.

- 18 a) Please explain the specific actions, maintenance activities, or repairs, inspections NS
19 Power has undertaken since the 2012 refurbishment to extend the operation of Trenton
20 Unit 5. Please identify each action's purpose and its estimated cost.
- 21 b) If this project was not implemented, please describe the impact on the utility's firm
22 capacity, resource adequacy, reliability requirements, etc.
- 23 c) Please describe the current and expected operating role of Trenton Unit 5, including
24 whether the unit is used for regular generation, reserve capacity, peak customer load
25 support, or other system support services.
- 26 i. If Trenton Unit 5 is used for reserve capacity or peak customer load support, please
27 provide a table summarizing each occasion since 2020 on which the unit was
28 dispatched or recalled to service by the NS Power System Operator. For each
29 occasion, please provide the date, duration of operation, maximum output in MW,
30 total energy generated in MWh, and reason for dispatch.
- 31 ii. If it is used as a regular generation facility, please provide annual power generation
32 in MWh and average output in MW.
- 33 d) Please provide a table showing NS Power's forecasted annual generation from Trenton
34 Unit 5 for each year from 2026 through the unit's planned retirement year.
- 35

Request IR-7:

In “Why do this project now?”, NS Power provided a Trenton 5 – Asset Risk Profile chart.

- a) Please provide additional details on the asset risk profile chart, including the risk analysis methodology, and how the chart should be interpreted for purposes of identifying refurbishment, replacement, or other capital work requirements; and
- b) Please describe the current operational condition of each item shown in the asset risk profile chart and identify whether any items other than the IP-LP component are expected to require capital works, such as refurbishment or repair.
 - i. If additional items in the chart require refurbishment, replacement, or other capital work, please identify the components, the expected timing of the work, and estimated costs. Please explain whether NS Power expects to submit an approval request to the Board.
 - ii. If no additional work is required for other items in the chart, please explain why not.

Request IR-8:

In “Reason for Variance”, NS Power described a few defects discovered during its inspection work.

- a) Please summarize the identified defects in a table. For each defective component or work item, please describe in plain language, the component’s function and purpose within Trenton Unit 5. Please provide tables, drawings, diagrams, photos, or other supporting materials to support the explanation; and
- b) Please describe the expected service life of each repaired or replaced component.

Request IR-9:

On page 4 of the application, NS Power provided a Cost Variance Sheet showing a variance of \$1,499,051 in the “Contracts” line item.

- a) Please provide detailed breakdowns for all unplanned works included in the Contracts variance, including invoice work orders, or service records, where available.