

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 C0080671 – LIN1 HP IP Turbine Refurbishment 2026 –
\$3,249,384**

INFORMATION REQUESTS

To: **Lana Myatt**
Senior Regulatory Analyst
Nova Scotia Power Inc.
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By email: lane.myatt@nspower.ca

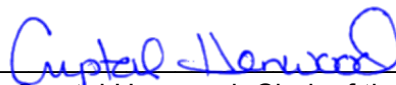
From: **Nova Scotia Energy Board**
Board Staff

Responses Due: **Friday, May 8, 2026**

Copies: 1 electronic copy (PDF searchable)

Contact Person: **Somesh Singh, P.Eng.**
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Issued at Halifax, Nova Scotia, this 17th day of April, 2026.



Crystal Henwood, Clerk of the Board

Request IR-1:

Page 1 of the application notes that the Lingan Unit 1 steam turbine consists of a dual flow low pressure (DFLP) and a combined high and intermediate pressure (HIP) turbine that convert steam, supplied by the Lingan boiler, into mechanical energy. This mechanical energy drives the generator, ultimately resulting in the production of electrical power.

- a) What is the current rated capacity (in MW) of the Lingan Unit 1?
- b) Please provide the yearly energy production data since the most recent major overhaul in 2010.
- c) Is the Lingan unit 1 classified as a lower-emitting or higher-emitting power generation source?
- d) What is the expected retirement date of this unit?
- e) What will be the role of this unit after its retirement?
- f) Please explain how this refurbishment project aligns with NS Power's plan to meet the 80% renewable target by 2030.
- g) Please explain the specific actions NS Power has taken since the last major haul in 2010 refurbishment to extend the operation of the Lingan Unit 1 generating unit closer to its retirement date.
- h) What will be the Lingan Unit 1 utilization factor after 2030 for the next years?

Request IR-2:

- a) What was the estimated cost of the major overhaul completed in 2010?
- b) Please provide the scope and associated cost breakdown comparing the major overhaul in 2010 with the proposed overhaul in 2026.
- c) At the time of the major overhaul in 2010, please provide the accumulated operating hours and the number of start/stop cycles.

Request IR-3:

- a) Was an engineering assessment performed that recommended the proposed overhaul of the components? If yes, please provide the report. If not, please explain why no assessment was conducted.
- b) Please provide the documents supporting the contract estimates included in the application's project detailed estimate.
Please identify the risks that the 20% contingency allocated in the application is intended to cover.

1 **Request IR-4:**

- 2 a) If this project were not to proceed, please identify the net present value of the total
3 replacement cost of energy to replace Lingan Unit 1 energy for 2026 to 2029.
- 4 b) Please identify all assumptions used for the analysis and provide the results in pdf and
5 electronic format with all formulas intact.

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