

August 20, 2025

lane.myatt@nspower.ca

Lana Myatt
Senior Regulatory Analyst
Nova Scotia Power Inc.
1223 Lower Water Street
Halifax, NS, B3J 3S8

Dear Ms. Myatt:

**M12370 – Nova Scotia Power Inc. – CI C0061003 – POA LP HP IP Turbine
Refurbishment – \$4,861,261**

The Board has reviewed the application by Nova Scotia Power Inc. (NS Power) dated July 7, 2025. NS Power requested Board approval of a capital expenditure in the amount of \$4,861,261 for the inspection and refurbishment of the Point Aconi generating station's turbine and other designated components.

A request for confidentiality following *Rule 12 of the Board Regulatory Rules* was submitted by NS Power on July 7, 2025. The Board approved NS Power's request for confidentiality. Board staff issued Information Requests (IRs) on July 18, 2025, to which NS Power responded on August 11, 2025.

The Point Aconi generating station is a thermal power plant with a rated capacity of 183 MW. The generating system consists of low-pressure (LP), intermediate-pressure (IP), and high-pressure (HP) cylinders that convert high-pressure, high-temperature steam supplied by the Point Aconi boiler into mechanical energy, which is then converted into electrical energy using an electrical generator.

In the application, NS Power noted that the turbine sections of the generating station operate under harsh conditions, including high temperatures and pressures. As a result, turbine section components degrade over time. NS Power performs regular LP and HP internal inspections, along with an annual review of the turbine risk profile through its Steam Turbine and Generator Asset Strategy Committee.

In response to IR-5(a), NS Power stated that "the most recent internal inspections for the LP was [sic] conducted in 2019, and for the HP and IP in 2014." Based on these inspections, NS Power concluded that by 2025, LP, HP and IP turbine will have accumulated over 75,000 operating hours and 80 start/stop cycles since the previous inspection, reaching the threshold for overhaul as defined by NS Power's asset management strategy for steam turbines. This project will address the inspection and refurbishment of the LP, HP, and IP

turbine components including HP and IP nozzles, rotor, inner and outer casings, upper and lower bearings, and thermocouples.

In response to IR-1(a), NS Power confirmed that the expected retirement date for the Point Aconi generating station is 2029, subject to the availability of sufficient replacement firm capacity to maintain system reliability. The generating station will be placed in cold reserve or decommissioned once the equivalent firm capacity is fully operational and system reliability is confirmed.

In response to IR-3(a) and IR-4(a), NS Power stated that if this project is not implemented, the system Planning Reserve Margin (PRM) for the 2025/2026 winter would be reduced to 6%, compared to the target system Planning Reserve Margin of 20%. Furthermore, the refurbishment of the Point Aconi generating station is aligned with the 2014 and 2024 Integrated Resource Plans and delaying the retirement of existing thermal assets was identified as the lowest-cost option to achieve the 80% renewable energy target by 2030.

Based on the information provided, the Board finds the work necessary, and the corresponding cost is justified. Accordingly, this will confirm that the Board approves NS Power's request in the amount of \$4,861,261 with respect to this capital expenditure request.

Further, in accordance with the Board's directives regarding M11220, NS Power provided notice that the capital expenditure noted above is forecast to be included in the Company's Decarbonization Deferral Account.

Yours very truly,

A handwritten signature in blue ink, appearing to be 'S. Murphy', with a long horizontal line extending to the right.

Steven M. Murphy, MBA, P.Eng.
Panel Chair

A handwritten signature in blue ink, appearing to be 'M. Dunning', with a circular flourish.

Marc L. Dunning, P.Eng., LL.B.
Member



NSEB APPROVAL SHEET

Project Title: POA LP HP IP Turbine Refurbishment

CI Number: C0061003

Date: July 7, 2025

Expenditure Profile			Type of Filing	
Year	Budget Amount	Project Estimate	☒	Capital Project Authorization
2024		1,103	☐	Unforeseen and Unbudgeted (U&U)
2025	3,655,131	4,860,158	☐	Planned & Advanced (P&A)
2026	500,000		☒	Subsequent Approval Item
			☐	Authorization to Overspend (ATO)
			☐	Scope Change
			☐	Final Cost (FIN)
Total	\$4,155,131	\$4,861,261		

COMMENTS

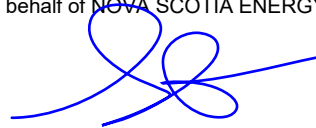
Submitted on behalf of NOVA SCOTIA POWER INCORPORATED



Authorized Signatory
Dave Pickles
Chief Operating Officer

DATE
July 4, 2025

Approved on behalf of NOVA SCOTIA ENERGY BOARD



DATE
August 20, 2025