

May 29, 2026

iana.myatt@nspower.ca

Lana Myatt
Manager, Regulatory Capital
Nova Scotia Power Inc.
P.O. Box 910
Halifax, NS B3J 2W5

Dear Ms. Myatt:

M12840 - Nova Scotia Power Inc. - CI C0080150 - TUC1 HP Turbine Refurbishment - \$2,527,606 (U&U)

On May 4, 2026, Nova Scotia Power Inc. (NS Power) filed an application with the Nova Scotia Energy Board (Board) for approval of the Tufts Cove Unit 1 (TUC1) HP Turbine Refurbishment project as an Unforeseen and Unbudgeted (U&U) project. NS Power stated that the repair was completed in December 2025. At the time of the application, the project had already been completed at a total cost of \$2,527,606.

In its application, NS Power noted that the TUC1 High Pressure (HP) Turbine had periodically experienced elevated vibrations during load swings and under varying operating conditions. NS Power took the unit offline in September 2025 and investigated the cause.

The contractor, Siemens Energy, assessed the unit and refurbished the rotor, including grit blasting, dynamically balancing, and testing to address mechanical issues. NS Power stated that following the refurbishment, the unit operated normally, and turbine vibration was eliminated.

NS Power stated that the decision to perform the U&U project was driven by concerns regarding unit reliability, availability and safety. As the turbine is a critical component, continued operation under those conditions could have created a risk of a forced outage and generation shortfall during critical operating periods. NS Power also noted that TUC1 was already in a planned maintenance outage and it elected to proceed with the HP Turbine repair during the planned outage period to avoid additional generation downtime. NS Power further explained that comprehensive assessment and repair were necessary because partial or non-intrusive measures would likely not have been sufficient to identify the cause, resolve the issues and ensure long-term reliability.

In Attachment 1 of the application, the HP Major Inspection Report, Siemens Energy listed the planned scope of work as including, HP major inspection, main oil pump inspection, and replace valve heads for IP control valves, however, it also noted the following:

As the job progressed, the scope was reduced to exclude the main oil pump inspection. The customer decided they were satisfied with the alignment numbers recorded and decided not to open the main oil pump casing. Replacement of the valve heads for the IP control valves was removed from scope because the replacement valve heads did not arrive in time for the outage.

[Exhibit N-1, Attachment 1, p. 3]

Accordingly, Siemens Energy performed major inspection work on the HP Turbine, including disassembly of the unit, cleaning, inspection and reassembly of the HP Turbine. Siemens Energy completed the overall HP Turbine inspection and service work and the replacement of several components, including Inlet Gland Seals, Exhaust Gland Seals, Diaphragm Seals, Diaphragm Seals, HP-IP Coupling Bolts and HP-MOP Coupling Bolts.

Based on the information provided, the Board accepts that this project is necessary and finds the associated costs to be justified and reasonable. Accordingly, the Board approves NS Power's request for \$2,527,606, in relation to this work order.

Yours very truly,

A handwritten signature in blue ink, appearing to read 'Steven M. Murphy', with a stylized flourish extending to the right.

Steven M. Murphy, MBA, P.Eng.
Member





NSEB APPROVAL SHEET

Project Title: TUC1 HP Turbine Refurbishment

CI Number: C0080150

Date: May 4, 2026

Expenditure Profile			Type of Filing	
Year	Budget Amount	Project Estimate	☐	Capital Project Authorization
2025		2,313,989	☒	Unforeseen and Unbudgeted (U&U)
2026		213,617	☐	Planned & Advanced (P&A)
			☐	Subsequent Approval Item
			☐	Authorization to Overspend (ATO)
			☐	Scope Change
			☐	Final Cost (FIN)
Total	\$0	\$2,527,606		

COMMENTS

Submitted on behalf of NOVA SCOTIA POWER INCORPORATED

Authorized Signatory
Dave Pickles
Chief Operating Officer

DATE
May 4, 2026

Approved on behalf of NOVA SCOTIA ENERGY BOARD

DATE
May 29, 2026