

Generation

Q. Reference: "2024 Capital Budget Application," Newfoundland Power Inc., June 22, 2023, Supporting Materials, Generation: 4.1, sec. 3.3, p. 11.

The unit has not been disassembled for cleaning and inspection since 2010.

Were condition-based records or baselines taken with a clean unit? If yes, please provide this data. If not, why not?

A. No, Newfoundland Power did not take the condition-based records or baselines described following the work completed in 2010. The extent of cleaning completed with work on the G3 generator components in 2010 was not sufficient to necessitate a complete set of baseline measurements as described.¹ Extensive cleaning of the generator components was not part of the approved work scope.² The next set of condition monitoring tests on generator G3 were scheduled for completion a year later in 2011.

Newfoundland Power monitors the condition of its generators through its maintenance program, such as the winding resistance measurements provided in response to Request for Information NLH-NP-007.

¹ Baseline measurements as described above are typically completed as part of commissioning following a generator re-installation or rewind. A baseline set of electrical tests will be collected as part of the commissioning program following the proposed rewind of Lookout Brook G3 in 2025.

² For further detail of work completed in 2010, see Newfoundland Power's *2010 Capital Budget Application*, report 1.2 *Lookout Brook Hydro Plant Refurbishment*.