

WHENEVER. WHEREVER.
We'll be there.



HAND DELIVERED

January 27, 2017

Board of Commissioners
of Public Utilities
P.O. Box 21040
120 Torbay Road
St. John's, NL A1A 5B2

Attention: G. Cheryl Blundon
Director of Corporate Services
and Board Secretary

Ladies and Gentlemen:

Re: Investigation and Hearing into Supply Issues and Power Outages on the Island Interconnected System - Phase Two (Gas Turbine Failure Analysis - Final Report, January 11, 2017)

Please find enclosed the original and 9 copies of Newfoundland Power's Requests for Information NP-NLH-167 to NP-NLH-170 in relation to the above noted matter.

For convenience, the Requests for Information are provided on three-hole punched paper.

A copy of this letter, together with enclosures, has been forwarded directly to the parties listed below.

If you have any questions regarding the enclosed, please contact the undersigned at your convenience.

Yours very truly,

A handwritten signature in blue ink, appearing to read "Gerard Hayes".

Gerard Hayes
Senior Counsel

Enclosures

Newfoundland Power Inc.

55 Kennmount Road • P.O. Box 8910 • St. John's, NL A1B 3P6

PHONE (709) 737-5609 • FAX (709) 737-2974 • ghayes@newfoundlandpower.com

c. Tracey Pennell
Newfoundland and Labrador Hydro

Paul Coxworthy
Stewart McKelvey Stirling Scales

Thomas J. O'Reilly, QC
Cox & Palmer

Dennis Browne, QC
Browne Fitzgerald Morgan & Avis

Sheryl Nisenbaum
Praxair Inc.

Larry Bartlett
Teck Resources Ltd.

IN THE MATTER OF

the *Electrical Power Control Act, 1994*,
SNL 1994, Chapter E-5.1 (the “*EPCA*”)
and the *Public Utilities Act, RSNL 1990*,
Chapter P-47 (the “*Act*”), as amended; and

IN THE MATTER OF the Board’s Investigation
and Hearing into Supply Issues and Power Outages
on the Island Interconnected System.

**Requests for Information by
Newfoundland Power Inc.**

NP-NLH-167 to NP-NLH-170

January 27, 2017

Requests for Information

NP-NLH-167 Reference: *Gas Turbine Failure Analysis, Final Report*, Page 17, Lines 6 to 15.

Hydro's report references a number of short term reliability measures Hydro intends to implement in relation to the vibration protection and lube oil systems of the Hardwoods and Stephenville units. Is Hydro aiming to implement these measures prior to its planned update to the Board on April 15, 2017? If not, why not?

NP-NLH-168 Reference: *Gas Turbine Failure Analysis, Final Report*, Page 18, Lines 9 to 14:

"Hydro is currently evaluating the long term need and role for gas turbines on the Island Interconnected System, both on the Avalon and at other locations across the island. This evaluation will inform if heavy investment into the Hardwoods and Stephenville current gas turbine engines is appropriate or if other options such as repowering or replacing is more appropriate. Hydro expects to complete this evaluation as part of the Phase Two Outage Inquiry."

Please provide a detailed explanation of all generation, transmission, or other planning considerations Hydro is taking into account in the above noted evaluation.

NP-NLH-169 Reference: *Gas Turbine Failure Analysis, Final Report*, Page 18, Lines 9 to 14:

"Hydro is currently evaluating the long term need and role for gas turbines on the Island Interconnected System, both on the Avalon and at other locations across the island. This evaluation will inform if heavy investment into the Hardwoods and Stephenville current gas turbine engines is appropriate or if other options such as repowering or replacing is more appropriate. Hydro expects to complete this evaluation as part of the Phase Two Outage Inquiry."

What is Hydro's current target date for the completion of its evaluation of the future of the Hardwoods and Stephenville gas turbines?

NP-NLH-170

Reference: *Gas Turbine Failure Analysis, Final Report*, Page 18, Lines 19 to 21:

“These improvements are expected to enhance the units’ short and long term reliability, where long term is contemplated to be current forecasted end of life dates of 2025 and 2028 for Hardwoods and Stephenville, respectively.”

Please provide a detailed explanation of why the end of life dates referenced above are appropriate for the Hardwoods and Stephenville gas turbines.

RESPECTFULLY SUBMITTED at St. John’s, Newfoundland and Labrador, this 27th day of January, 2017.



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