



NEWFOUNDLAND AND LABRADOR
BOARD OF COMMISSIONERS OF PUBLIC UTILITIES
120 Torbay Road, P.O. Box 21040, St. John's, Newfoundland and Labrador, Canada, A1A 5B2

E-mail: ghayes@newfoundlandpower.com

2014-03-12

Mr. Gerard Hayes
Newfoundland Power Inc.
55 Kenmount Road
P.O. Box 8910
St. John's, NL A1B 3P6

Dear Sirs:

Re: The Board's Investigation and Hearing into Supply Issues and Power Outages on the Island Interconnected System - Requests for Information

Enclosed are Information Requests PUB-NP-57 to PUB-NP-82 regarding the above-noted matter. The deadline for filing the responses to the Requests for Information is Thursday, March 20, 2014.

If you have any questions, please do not hesitate to contact the Board's Legal Counsel, Ms. Jacqui Glynn, via jgylmn@pub.nl.ca or (709) 726-6781.

Yours truly,

Cheryl Blundon
Board Secretary

/bds
Encl.

ecc. Newfoundland Power Inc.
Ian Kelly, QC, E-mail: ikelly@curtisdawe.com
Newfoundland and Labrador Hydro
Geoffrey Young, E-mail: gyoung@nlh.nl.ca
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Mr. Danny Dumaresque
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1 **IN THE MATTER OF**

2 the *Electrical Power Control Act, 1994*,
3 SNL 1994, Chapter E-5.1 (the "*EPCA*")
4 and the *Public Utilities Act*, RSNL 1990,
5 Chapter P-47 (the "*Act*"), as amended; and
6

7 **IN THE MATTER** of the Board's Investigation
8 and Hearing into Supply Issues and Power Outages
9 on the Island Interconnected System.

**PUBLIC UTILITIES BOARD
REQUESTS FOR INFORMATION**

PUB-NP-057 to PUB-NP-082

Issued: March 12, 2014

- 1 **PUB-NP-57** Please provide electronic documents describing terminal station
2 equipment and relay inspection, testing, and maintenance programs and
3 practices. These documents should describe the activities to be conducted
4 by equipment type, the time period between time-based activities, and
5 what triggers condition-based activities.
6
- 7 **PUB-NP-58** Please describe how terminal station equipment repairs are prioritized and
8 state the repair-by time limits for each prioritization.
9
- 10 **PUB-NP-59** Please provide documents stating terminal station equipment and relay
11 equipment backlogged jobs, indicating the number of inspection,
12 maintenance, testing, and repair jobs that were backlogged (not completed
13 within time limits per program priorities) at the end of 2011, 2012, and
14 2013. Explain why the backlogs occurred.
15
- 16 **PUB-NP-60** Please provide electronic documents describing transmission pole and line
17 equipment inspection, testing, and maintenance programs and practices.
18 These documents should describe the activities conducted by equipment
19 type, the time period between time-based activities, and what triggers
20 condition-based activities.
21
- 22 **PUB-NP-61** Please describe how transmission line equipment repairs are prioritized
23 and state the time limits for each prioritization.
24
- 25 **PUB-NP-62** Please provide documents indicating backlogged transmission line, pole,
26 and equipment backlogs, indicating the number of inspection,
27 maintenance, testing, and repair jobs that were backlogged (not completed
28 within time limits per program priorities) at the end of 2011, 2012, and
29 2013.
30
- 31 **PUB-NP-63** Please provide the total number of wood transmission poles on the system
32 and the number of transmission poles which have been replaced over the
33 last 5 years.
34
- 35 **PUB-NP-64** Please provide electronic copies of documents describing distribution
36 substation equipment and relay inspection, testing, and maintenance
37 programs and practices. These documents should describe the activities to
38 be conducted by equipment type, the time period between time-based
39 activities, and what triggers condition-based activities.
40
- 41 **PUB-NP-65** Please describe how distribution substation equipment repairs are
42 prioritized and state the repair-by time limits for each prioritization.
43
- 44 **PUB-NP-66** Provide documents indicating distribution substation equipment and relay
45 equipment backlogged work, indicating the number of inspection,
46 maintenance, testing, and repair jobs that were backlogged (not completed

- 1 within time limits per program priorities) at the end of 2011, 2012, and
 2 2013. Explain why the backlogs occurred.
 3
- 4 **PUB-NP-67** Please provide electronic documents describing overhead and
 5 underground distribution mainline and URD feeder inspection, testing, and
 6 maintenance programs and practices. These documents should describe
 7 the activities to be conducted by equipment type, the time period between
 8 time-based activities, and what triggers condition-based activities.
 9
- 10 **PUB-NP-68** Please describe how overhead and underground feeder distribution
 11 mainline and URD feeder equipment repairs are prioritized and state the
 12 repair-by time limits for each prioritization.
 13
- 14 **PUB-NP-69** Please provide documents indicating overhead and underground
 15 distribution feeder and URD equipment backlogged work, indicating the
 16 number of inspection, maintenance, testing, and repair jobs that were
 17 backlogged (not completed within time limits per program priorities) at
 18 the end of 2011, 2012, and 2013. Explain why the backlogs occurred.
 19
- 20 **PUB-NP-70** Please provide the numbers of subtransmission and distribution wood
 21 poles on the system. How many subtransmission and distribution poles
 22 have been replaced over the last 5 years?
 23
- 24 **PUB-NP-71** Please provide the total numbers of air-blast circuit breakers on the system
 25 by voltage levels.
 26
- 27 **PUB-NP-72** Please provide the current estimated cost, by voltage level, to replace an
 28 air-blast circuit breaker with a new SF6 circuit breaker.
 29
- 30 **PUB-NP-73** Please provide the number of air-blast circuit breakers which have been
 31 replaced to date, by voltage level, with SF6 circuit breakers. Describe the
 32 current plans for replacing air-blast circuit breakers in the future.
 33
- 34 **PUB-NP-74** Please provide the type and numbers of substation equipment, other than
 35 air-blast circuit breakers, that has been replaced over the last 10 years and
 36 plans for replacing such equipment in the future.
 37
- 38 **PUB-NP-75** Please provide the amount spent on protective relay replacements in the
 39 last 5 years for the transmission, subtransmission, and distribution
 40 systems.
 41
- 42 **PUB-NP-76** Please provide numbers of transmission terminal stations on the system
 43 (high side at 230kV or 138kV), the numbers of distribution substations
 44 (low side supplying distribution system), and the miles of, and numbers of
 45 circuits, transmission, subtransmission, and distribution lines by voltage.

- 1 **PUB-NP-77** Please describe the extent the transmission and distribution substations are
 2 SCADA controlled and monitored.
 3
- 4 **PUB-NP-78** Please describe the extent that distribution feeders have automatic circuit
 5 reclosers on the feeders downstream from the substations. Provide the
 6 percentage of reclosers that are SCADA controlled.
 7
- 8 **PUB-NP-79** Please describe the extent that lateral taps off of mainline distribution
 9 feeders are fused.
 10
- 11 **PUB-NP-80** Please describe the company's reliability enhancement programs and
 12 practices. Describe reliability work completed over the last 5 years and
 13 what is planned for the future.
 14
- 15 **PUB-NP-81** Please provide the numbers of skilled workmen by type and duties, for
 16 each of the last 5 years, for transmission line work, substation work, and
 17 distribution work.
 18
- 19 **PUB-NP-82** Please provide the numbers of relay and control engineers in the company,
 20 and the numbers of relay technicians working for the company for each of
 21 the last five years by location.

DATED at St. John's, Newfoundland this 12th day of March 2014.

BOARD OF COMMISSIONERS OF PUBLIC UTILITIES

Per


 Cheryl Blundon
 Board Secretary