



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: gyoung@nlh.nl.ca

2014-03-12

Mr. Geoffrey Young
Newfoundland and Labrador Hydro
P.O. Box 12400
St. John's, NL A1B 4K7

Dear Sirs:

Re: Newfoundland and Labrador Hydro - 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-NLH-082 to PUB-NLH-108 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,

Bobbi Sheppard
Assistant Board Secretary

Encl.
ccc.

Newfoundland Power Inc.

Mr. Gerard Hayes, E-mail: ghayes@newfoundlandpower.com

Ian Kelly, QC, E-mail: ikelly@curtislaw.com

Consumer Advocate

Mr. Thomas Johnson, E-mail: tjohnson@odeaearle.ca

Ms. Colleen Lacey, E-mail: clacey@odeaearle.ca

Island Industrial Customer Group

Mr. Paul Coxworthy, E-mail: pcoworthy@stewartmckelvey.com

Mr. Dean Porter, E-mail: dporter@pa-law.ca

Mr. Danny Dumaresque

Mr. Danny Dumaresque, E-mail: danny.liberal@gmail.com

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-NLH-082 to PUB-NLH-108

Issued: March 12, 2014

- 1 **PUB-NLH-82** 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-NLH-83** Please describe how terminal station equipment repairs are prioritized and
 8 state the repair-by time limits for each prioritization.
 9
- 10 **PUB-NLH-84** 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-NLH-85** 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-NLH-86** Please describe how transmission line equipment repairs are prioritized
 23 and state the time limits for each prioritization.
 24
- 25 **PUB-NLH-87** 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-NLH-88** 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-NLH-89** 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-NLH-90** Please describe how distribution substation equipment repairs are
 42 prioritized and state the repair-by time limits for each prioritization.
 43
- 44 **PUB-NLH-91** 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

within time limits per program priorities) at the end of 2011, 2012, and 2013. Explain why the backlogs occurred.

PUB-NLH-92

Please provide electronic documents describing overhead and underground distribution mainline and URD feeder inspection, testing, and maintenance programs and practices. These documents should describe the activities to be conducted by equipment type, the time period between time-based activities, and what triggers condition-based activities.

PUB-NLH-93

Please describe how overhead and underground feeder distribution mainline and URD feeder equipment repairs are prioritized and state the repair-by time limits for each prioritization.

PUB-NLH-94

Please provide documents indicating overhead and underground distribution feeder and URD equipment backlogged work, indicating the number of inspection, maintenance, testing, and repair jobs that were backlogged (not completed within time limits per program priorities) at the end of 2011, 2012, and 2013. Explain why the backlogs occurred.

PUB-NLH-95

Please provide the numbers of subtransmission and distribution wood poles on the system. How many subtransmission and distribution poles have been replaced over the last 5 years?

PUB-NLH-96

Please provide the total numbers of air-blast circuit breakers on the system by voltage levels.

PUB-NLH-97

Please provide the current estimated cost, by voltage level, to replace an air-blast circuit breaker with a new SF6 circuit breaker.

PUB-NLH-98

Please provide the number of air-blast circuit breakers which have been replaced to date, by voltage level, with SF6 circuit breakers. Describe the current plans for replacing air-blast circuit breakers in the future.

PUB-NLH-99

Please provide the type and numbers of other terminal station equipment, other than air-blast circuit breakers, that has been replaced over the last 10 years and plans for replacing such equipment in the future.

PUB-NLH-100

Please provide the amount spent on protective relay replacements in the last 5 years for the transmission, subtransmission, and distribution systems.

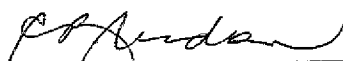
PUB-NLH-101

Please provide numbers of transmission terminal stations on the system (high side at 230kV or 138kV), the numbers of distribution substations (low side supplying distribution system), and the miles of, and numbers of circuits, transmission, subtransmission, and distribution lines by voltage.

- 1 **PUB-NLH-102** Please provide the extent the transmission and distribution substations are
2 SCADA controlled and monitored.
3
- 4 **PUB-NLH-103** 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-NLH-104** Please describe the extent that lateral taps off of mainline distribution
9 feeders are fused.
10
- 11 **PUB-NLH-105** 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-NLH-106** 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-NLH-107** 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.
22
- 23 **PUB-NLH-108** Please describe the protective relay work which has been completed in
24 response to the Henville Consulting recommendations provided in 2010,
25 2011, and 2013. What relay work is planned?

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

BOARD OF COMMISSIONERS OF PUBLIC UTILITIES

Per 
Cheryl Blundon
Board Secretary