



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

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2014-04-04

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

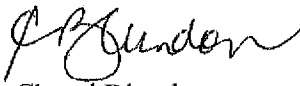
Dear Sir:

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-148 to PUB-NLH-164 regarding the above-noted matter. The deadline for filing the responses to the Requests for Information is Monday, April 14, 2014.

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

Yours truly,


Cheryl Blundon
Board Secretary

/bds
Encl.

ccc. Newfoundland Power Inc.
Mr. Gerard Hayes, E-mail: ghayes@newfoundlandpower.com
Ian Kelly, QC, E-mail: ikelly@curtisdawe.com
Consumer Advocate
Mr. Thomas Johnson, E-mail: tjohnson@odeuearle.ca
Ms. Colleen Lacey, E-mail: clacey@odeuearle.ca
Island Industrial Customer Group
Mr. Paul Coxworthy, E-mail: pcoxworthy@stewartmckelvey.com
Mr. Dean Porter, E-mail: dporter@pa-law.ca
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-NLH-148 to PUB-NLH-164

Issued: April 4, 2014

- 1 **PUB-NLH-148** Please provide performance data for each year, 2008 through 2013, for (a)
 2 each of the three Holyrood units, (b) Hardwoods CT, (c) Stephenville CT,
 3 and (d) the Bay d'Espoir plant. Please include at least the following
 4 parameters where applicable:
- 5 a) Capacity factor;
 - 6 b) Net generation in MWh;
 - 7 c) Operating hours (i.e., hours synchronized to the grid);
 - 8 d) Failure rate;
 - 9 e) Incapability factor;
 - 10 f) DAFOR;
 - 11 g) Utilization forced outage probability; and
 - 12 h) Heat rate.
- 13
- 14 In the response include the definition used for each parameter.
- 15
- 16 **PUB-NLH-149** Please describe the criteria employed during 2013 that required the
 17 Hardwoods CT to remain available while a Holyrood unit was
 18 unavailable.
- 19
- 20 **PUB-NLH-150** Please provide the critical path schedule, from the time Hydro was advised
 21 by Brush of the need for repairs through to the start of the outage, for the
 22 2013 Hardwood CT repair effort. Please cover all activities or events that
 23 influenced the start date for the outage required for the repair of the
 24 Hardwoods CT including, if applicable, operating restraints due to a
 25 Holyrood outage or lead times associated with material procurement.
- 26
- 27 **PUB-NLH-151** Please provide the critical path schedule for blanket replacement for the
 28 Stephenville CT from the time Hydro learned that insulating blankets were
 29 necessary.
- 30
- 31 **PUB-NLH-152** Please describe the nature of the 2012-13 forced outage at the Stephenville
 32 CT, including the major work completed and the reason for the 20-month
 33 duration.
- 34
- 35 **PUB-NLH-153** Please describe the magnitude of the Nostradamus inaccuracies in early
 36 January 2014 and provide the adjustments, in terms of amount and timing,
 37 that were made by System Operations.
- 38
- 39 **PUB-NLH-154** Regarding the Asset Maintenance Review effort and the maintenance
 40 manuals prepared for Holyrood (2010) and the CTs (2008), please
 41 describe subsequent actions including (a) the nature and degree of changes
 42 to maintenance philosophies, strategies or tactics, (b) any actions taken to
 43 assure that the requirements of the manual were and are being met, and (c)
 44 the process used for dispositioning the many "*observations and*
 45 *recommendations*" including any status reports or check lists associated
 46 with such an effort.

- 1 **PUB-NLH-155** Please provide Asset Management Metrics for the period 2008-2013 as the
 2 data is available including:
 3 a) % weekly schedule compliance
 4 b) % emergency work;
 5 c) preventative maintenance program compliance;
 6 d) monthly review of annual work plan progress;
 7 e) controllable operating and maintenance costs, budget to actual
 8 variance; and
 9 f) change in 5 year capital plans, scope and cost.
 10
 11 Please show the results separately for Holyrood (total plant) and the CTs.
 12
 13 **PUB-NLH-156** Please provide:
 14 a) Any data used to measure and manage maintenance backlogs;
 15 b) Annual budgeted and actual operating and maintenance costs and
 16 the five year forecast; and
 17 c) Annual budgeted and actual capital costs and the five year
 18 forecast.
 19
 20 **PUB-NLH-157** Please provide the report completed in about 2012 that evaluated the
 21 impact of NERC compliance and the associated cost and benefit.
 22
 23 **PUB-NLH-158** Please provide the 30-year weather data that serves as a basis for long
 24 term load forecasting, including date and time of peak hour, amount of
 25 peak, and associated temperature and wind values.
 26
 27 **PUB-NLH-159** Please provide a status report on recommendation #1 in section 4.3 of the
 28 report titled "*January 11, 2013 - Winter Storm Events*", filed as Appendix
 29 D to the "*January 11, 2013 Power System Outage Report*", filed with
 30 Hydro's March 24, 2014 Report to the Board that Hydro should develop a
 31 schedule for "exercising" its 230kV circuit breakers, including whether:
 32 (i) Has Hydro developed a plan to exercise its 230kV breakers;
 33 (ii) Has Hydro actually exercised any 230kV circuit breakers (which
 34 ones); and
 35 (iii) Does Hydro plan to exercise its 230kV breakers in 2014?
 36
 37 **PUB-NLH-160** Please provide a status report describing the actions taken by Hydro in
 38 response to each of the 56 recommendations listed in Appendix D, titled
 39 "*January 11, 2013 - Winter Storm Events*, to the *January 11, 2013 Power*
 40 *System Outage Report*", filed with Hydro's March 24, 2014 Report to the
 41 Board. In the response include any future actions required and the date for
 42 completion of each action.
 43
 44 **PUB-NLH-161** Please provide a copy of the report referred to on page 22 of Volume 1 of
 45 Hydro's Report to the Board dated March 24, 2014 that was completed by

1 an external consultant on the electricity system readiness for the 2013-
2 2014 winter season.

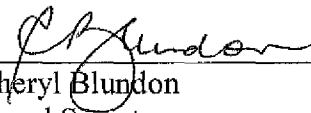
3
4 **PUB-NLH-162** Further to PUB-NLH-161, please provide a status report on the actions
5 taken by Hydro in response to any recommendations made by the external
6 consultant on system readiness for the 2013-2014 winter season. Include
7 in the response the completion date for each action implemented.

8 **PUB-NLH-163** Please provide copies of the two previous reviews of the protection
9 systems for the transmission lines in the Avalon Peninsula area referred to
10 on p. 19 of Schedule 9 to Hydro's March 24, 2014 Report to the Board.

11
12 **PUB-NLH-164** Further to PUB-NLH-163, please provide a status report on the actions
13 taken by Hydro in response to any recommendations made in the two
14 previous reviews of the protection system for the transmission lines in the
15 Avalon Peninsula area. Include in the response the completion date for
16 each action implemented.

DATED at St. John's, Newfoundland this 4th day of April 2014.

BOARD OF COMMISSIONERS OF PUBLIC UTILITIES

Per 
Cheryl Blundon
Board Secretary