

DANNY DUMARESQUE
213 Portugal Cove Road
St. John's, NL A1B 2N5

E-mail: gyoung@nlh.nl.ca

2014-04-07

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 – Request for Information

Enclosed are Information Requests DD-NLH-067 to DD-NLH-090 regarding the above-noted matter.

If you have any questions, please do not hesitate to contact me, via email danny.liberal@gmail.com or (709) 685-5719.

Sincerely yours,



Danny Dumaresque

Intervenor

Encl.

cc.

NEWFOUNDLAND POWER INC.

Mr. Gerard Hayes, E-Mail: ghayes@newfoundland.com

Ian Kelly, QC, E-Mail: ikelly@curtisdawe.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: pcoxworthy@stewartmckelvey.com

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

PUBLIC UTILITIES BOARD

Ms. Cheryl Blundon, E-Mail: cblundon@pub.nl.ca

Ms. M. Greene, E-Mail: mgreene@pub.nl.ca

Ms. J. Glynn, E-Mail: jglynn@pub.nl.ca

ito@pub.nl.ca

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.

**DANNY DUMARESQUE
REQUESTS FOR INFORMATION**

DD-NLH-067 to DD-NLH-090


Issued: April 7, 2014

- 1 **DD-NLH-067** Please provide all studies, expert opinions (including CESI of Italy) and
2 any comparative statistics you have in Canada (outside NL) confirming
3 the life expectancy of the Mass Impregnated (MI) cables for the SOBI
4 Crossing.
5
- 6 **DD-NLH-068** Please provide an inventory of all submarine cables in NL, their
7 commissioning into service and the history of repairs and/ or replacement
8 to date.
9
- 10 **DD-NLH-069** Please define Option 2- Tunnel / Conduit Crossing
11
- 12 **DD-NLH-070** Please confirm if the Seabed-Installation Schedule as shown in Muskrat
13 Falls Project-Exhibit 37, Page 10 of 22 is still accurate, if not please show
14 the difference.
15
- 16 **DD-NLH-071** Please provide all the details concerning the Cable Tunnel/ Conduit
17 identified as Option 2 for the SOBI Crossing; including, the engineering
18 design and cost breakdown of the tunnel boring machine, labour, etc.
19
- 20 **DD-NLH-072** Please provide all geotechnical reports completed for the SOBI Crossing,
21 particularly those along the tunnel option route.
22
- 23 **DD-NLH-073** Please provide all reports and expert opinions relating to the life of HVDC
24 cables overland or in a water free environment.
25
- 26 **DD-NLH-074** Please provide the complete cost breakdown of the SOBI Crossing project.
27
- 28 **DD-NLH-075** Please provide the seismic work which has identified the major faults and
29 the characterization of these faults. In particular, the depth of the faults
30 and presence of water.
31
- 32 **DD-NLH-076** Please provide all geological and any other reports or documentation
33 which confirm the bodies of sedimentary and granite rock in the SOBI.
34
- 35 **DD-NLH-077** Please provide the expert reports or opinions respecting cost overruns on
36 Option 2 Tunnel.
37
- 38 **DD-NLH-078** Please provide the reports or opinions that confirm water ingress rates could
39 potentially endanger the lives of construction workers; including, a listing
40 of where this has happened in tunnel construction.
41
- 42 **DD-NLH-079** Please explain why the construction schedule is on the critical path with no
43 flexibility as stated in Muskrat Fall Project-Exhibit 37, Page 18.
44
- 45 **DD-NLH-080** Could you please explain why Icebergs were not identified as one of the
46 risks in the criteria to decide the tunnel or seabed options.

- 1 **DD-NLH-081** Please explain why the Duration of Repair Time was not one of the criteria
2 used to decide the tunnel or seabed option.
3
- 4 **DD-NLH-082** Please explain why the Cost of Repairs was not one of the criteria used to
5 decide the tunnel or seabed option.
6
- 7 **DD-NLH-083** Please confirm if the rock quarry and quay location have been identified
8 for the seabed option and the associated cost.
9
- 10 **DD-NLH-084** Please explain why the tunnel option could be \$100 million each per year
11 of overrun.
12
- 13 **DD-NLH-085** Please provide the projected cost of repairing a break in one of the cables
14 and please confirm the availability of the required vessels to complete
15 such work.
16
- 17 **DD-NLH-086** Please provide the geological structure encountered to date with the HDD
18 program.
19
- 20 **DD-NLH-087** Please explain why "the previous SOBI crossing option studies were
21 assessed and have proven to be unfounded from good design, safety or
22 technical feasibility perspectives" as outlined on Page 21, MF Project-
23 Exhibit 37.
24
- 25 **DD-NLH-088** Please provide the studies and expert opinions detailing the cost and
26 feasibility of constructing a tunnel using the drill and blast technique
27 perfected by Norway.
28
- 29 **DD-NLH-089** Please provide the studies and or the xpert opinions on the expected delays
30 of constructing a tunnel, providing the estimated time from start to finish
31 under normal conditions.
32
- 33 **DD-NLH-090** Please explain 'the internal competence and confidence that can be
34 leveraged for future SOBI or other interconnected projects (Cabot Strait)"
35 as shown on Page 22, MF Project-Exhibit 37.
36
37

DATED at St. John's, Newfoundland this 7th day of April, 2014.

Per


Danny Dumaresque,
Intervenor