

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

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**DANNY DUMARESQUE  
REQUESTS FOR INFORMATION**

**DD-NLH-091 to DD-NLH-112**

**Issued: September 24, 2014**

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- 1 **DD-NLH-091** Please provide the appropriate reference for the limit of thermal resistivity  
2 and the values of the boreholes drilled to date..  
3
- 4 **DD-NLH-092** Please provide the final path of the cables across the SOBI showing water  
5 depths for every 10 meters.  
6
- 7 **DD-NLH-093** Please detail how an internal fault would be repaired if it occurred in the  
8 boreholes on either side of the SOBI, including whether it would require a  
9 vessel to do so.  
10
- 11 **DD-NLH-094** Please identify and describe the operation of the monitoring equipment to  
12 be used on the SOBI cables.  
13
- 14 **DD-NLH-095** Please outline the projected maintenance schedule and scope of work for the  
15 SOBI cables and projected annual cost.  
16
- 17 **DD-NLH-096** Please provide the design values of the cables and the projected conductor  
18 temperatures.  
19
- 20 **DD-NLH-097** Please provide weather surveys of the cable crossing area showing the  
21 typical sea state expressed in max waves heights and when max wave  
22 height is less than 3.5 meters for 7 day periods over the calendar year.  
23
- 24 **DD-NLH-098** Please provide the failure rate for the specific cable type you are using in  
25 the SOBI.  
26
- 27 **DD-NLH-099** Please indicate if Nalcor has contracted Emera to provide standby backup  
28 power. If so, please provide the contract.  
29
- 30 **DD-NLH-100** Please provide the projected cost of repairing a break in all three cables.  
31
- 32 **DD-NLH-101** Please provide the contract which guarantees the supply of backup power  
33 from Emera in the event of a total loss of MF power to the Island.  
34
- 35 **DD-NLH-102** Please provide a copy of the marine survey hazardous areas of the cable  
36 routing.  
37
- 38 **DD-NLH-103** Please provide a map of the cables indicating the space between each cable  
39 throughout the crossing of the SOBI.  
40
- 41 **DD-NLH-104** Please confirm how much of the cables will be trenched instead of buried  
42 and if any part of the cables are not trenched or buried.  
43
- 44 **DD-NLH-105** Please explain the level of strengthening of the cables.  
45
- 46 **DD-NLH-106** Please identify the splices required on each of the cables crossing the SOBI.

- 1
- 2 **DD-NLH-107** Please confirm and identify where such splicing has occurred to date in the
- 3 world and the reliability of such slices.
- 4
- 5 **DD-NLH-108** Please provide a copy of the Manufacturer's Warranty which comes with
- 6 these cables.
- 7
- 8 **DD-NLH-109** Please provide a copy of the insurance policy covering these cables.
- 9
- 10 **DD-NLH-110** Please confirm if the reliability of these cables has factored in the splicing.
- 11
- 12 **DD-NLH-111** Please provide copies of the tests which have been completed on the
- 13 expansion and reduction of these cables during operation.
- 14
- 15 **DD-NLH-012** Please provide th iceberg return period used in your reliability calculations.
- 16

**DATED** at St. John's, Newfoundland this 24th day of September, 2014.

Per \_\_\_\_\_  
**Danny Dumaresque,**  
**Intervenor**