

**Reference from the Lieutenant-Governor in Council
On the Muskrat Falls Project
(the "Muskrat Falls Review")**

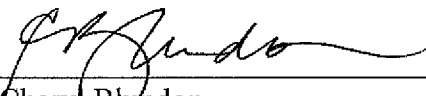
REQUESTS FOR INFORMATION

- 1 **PUB-Nalcor-10** Please provide a copy of the presentations made by Peter Thomas to MHI
2 and Board staff on August 8, 2011 regarding the HVDC transmission
3 system.
4
- 5 **PUB-Nalcor-11** With reference to Exhibit 5 (Summary), costs for the Isolated Island
6 Option include \$20 million per year for the Holyrood Plant life extension
7 for the years 2012 to 2016. Why are these amounts not included for the
8 Muskrat Falls project as not only is the Holyrood plant's reliability
9 required for the same period 2012 to 2016 but also in standby mode from
10 2017 to 2021 as backup to the HVDC link?
11
- 12 **PUB-Nalcor-12** With reference to the response to PUB-Nalcor-5, please provide the rate
13 projections for both alternatives with the \$20 million per year for
14 Holyrood life extensions for the years 2012 to 2016, the \$581.976 million
15 for Holyrood ESP/scrubbers in 2015 and the \$19.817 million for No_x
16 burners eliminated from the costs for the Isolated Island Option.
17
- 18 **PUB-Nalcor-13** In discussions with Nalcor, it has been determined that the current design
19 load for the HVDC overland transmission line is the 1-in-50 year return
20 period, the standard design criteria for 230 kV transmission lines on the
21 Island. Given the critical importance of the HVDC line, what
22 consideration, if any, has been given to designing it to a higher standard?
23 If no consideration has been given, why not?
24
- 25 **PUB-Nalcor-14** What is the approximate cost estimate increase to design the overland
26 HVDC line to a 1-in-100 year return period?
27
- 28 **PUB-Nalcor-15** What is the approximate cost estimate increase to design the overland
29 HVDC line to a 1-in-150 year return period?
30
- 31 **PUB-Nalcor-16** Given the recent announcement by Rio Tinto to potentially increase its
32 production capacity in Labrador by 100 percent, and other potential
33 increased electricity requirements in Labrador please describe in detail
34 what the effects of such increased Labrador load will have on any decision
35 to proceed with the Muskrat Falls development and HVDC link as the next
36 source of generation for the Island Interconnected System.

- 1
2 **PUB-Nalcor-17** Referring to Exhibit 15, Generation Planning Issues 2011 July Update,
3 page 27, it states that "*....the current Provincial Government 25,000 tons*
4 *per year limitation on SO₂ emissions from the HTGS, have traditionally*
5 *been included in generation planning studies.*" To date, have there been
6 any exceedences of this target at the Holyrood Plant?
7
- 8 **PUB-Nalcor-18** What load factor would the Holyrood Plant have to operate at to exceed
9 the Government's 25,000 tons per year limitation using 0.7% sulphur fuel
10 and, using the current load forecast, when would this occur?
11
- 12 **PUB-Nalcor-19** What load factor would the Holyrood Plant have to operate at to exceed
13 the Government's 25,000 tons per year limitation using 0.3% sulphur fuel
14 and, using the current load forecast, when would this occur?
15
- 16 **PUB-Nalcor-20** What is the current differential price between 0.7% and 0.3% sulphur
17 fuel?
18
- 19 **PUB-Nalcor-21** What is the justification for the addition of No_x burners at the Holyrood
20 Plant at an estimated direct cost of approximately \$19.8 million.
21
- 22 **PUB-Nalcor-22** Has a cost benefit analysis been completed to compare the alternatives of
23 lower sulphur No. 6 fuel versus the installation of electrostatic
24 precipitations, scrubbers and No_x burners? If so, please provide a copy of
25 the analysis. If not, why not?

DATED at St. John's, Newfoundland this 18th day of August 2010.

BOARD OF COMMISSIONERS OF PUBLIC UTILITIES

Per 
Cheryl Blundon
Board Secretary