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

**REQUESTS FOR INFORMATION**

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**PUB-Nalcor-10** Please provide a copy of the presentations made by Peter Thomas to MHI and Board staff on August 8, 2011 regarding the HVDC transmission system.

**PUB-Nalcor-11** With reference to Exhibit 5 (Summary), costs for the Isolated Island Option include $20 million per year for the Holyrood Plant life extension for the years 2012 to 2016. Why are these amounts not included for the Muskrat Falls project as not only is the Holyrood plant's reliability required for the same period 2012 to 2016 but also in standby mode from 2017 to 2021 as backup to the HVDC link?

**PUB-Nalcor-12** With reference to the response to PUB-Nalcor-5, please provide the rate projections for both alternatives with the $20 million per year for Holyrood life extensions for the years 2012 to 2016, the $581.976 million for Holyrood ESP/scrubbers in 2015 and the $19.817 million for $No_x$ burners eliminated from the costs for the Isolated Island Option.

**PUB-Nalcor-13** In discussions with Nalcor, it has been determined that the current design load for the HVDC overland transmission line is the 1-in-50 year return period, the standard design criteria for 230 kV transmission lines on the Island. Given the critical importance of the HVDC line, what consideration, if any, has been given to designing it to a higher standard? If no consideration has been given, why not?

**PUB-Nalcor-14** What is the approximate cost estimate increase to design the overland HVDC line to a 1-in-100 year return period?

**PUB-Nalcor-15** What is the approximate cost estimate increase to design the overland HVDC line to a 1-in-150 year return period?

**PUB-Nalcor-16** Given the recent announcement by Rio Tinto to potentially increase its production capacity in Labrador by 100 percent, and other potential increased electricity requirements in Labrador please describe in detail what the effects of such increased Labrador load will have on any decision to proceed with the Muskrat Falls development and HVDC link as the next source of generation for the Island Interconnected System.

**PUB-Nalcor-17** Referring to Exhibit 15, Generation Planning Issues 2011 July Update, page 27, it states that *"....the current Provincial Government 25,000 tons per year limitation on $SO_2$ emissions from the HTGS, have traditionally been included in generation planning studies."* To date, have there been any exceedences of this target at the Holyrood Plant?

**PUB-Nalcor-18** What load factor would the Holyrood Plant have to operate at to exceed the Government's 25,000 tons per year limitation using 0.7% sulphur fuel and, using the current load forecast, when would this occur?

**PUB-Nalcor-19** What load factor would the Holyrood Plant have to operate at to exceed the Government's 25,000 tons per year limitation using 0.3% sulphur fuel and, using the current load forecast, when would this occur?

**PUB-Nalcor-20** What is the current differential price between 0.7% and 0.3% sulphur fuel?

**PUB-Nalcor-21** What is the justification for the addition of $No_x$ burners at the Holyrood Plant at an estimated direct cost of approximately $19.8 million.

**PUB-Nalcor-22** Has a cost benefit analysis been completed to compare the alternatives of lower sulphur No. 6 fuel versus the installation of electrostatic precipitations, scrubbers and $No_x$ burners? If so, please provide a copy of 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