

1 Q. **NLH Evidence, Section 3.5.2, page 3.19 through 3.22**

2 Preamble:

3 The section explains how Hydro’s generators and power purchases are modelled in
4 Vista DSS (Vista). No mention is made of the Muskrat Falls Generating Station.

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6 Citation (page 3.20)

7 Hydro has undertaken significant effort to further develop its Vista model to more
8 accurately represent the changing Newfoundland and Labrador electricity system.

9 ...

10 Inflows to each of Hydro’s reservoirs are calculated daily from measured water
11 levels and estimated outflows. ...

12 a) Has Hydro begun to model the power supply to come from Muskrat Falls
13 Generating Station (MFGS), in anticipation of its eventual addition to Island
14 Interconnected System supply?

15 b) If so, is the modelling based on the hydraulics of the MFGS, or on the
16 parameters of the power purchase agreement with Nalcor? If the latter, please
17 describe in the detail the parameters being relied on.

18 c) If not, when does Hydro intend to begin modelling the power supply to come
19 from MFGS, and on what basis will the modelling take place?

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22 A. a) Yes, Hydro has added the hydraulics of the Churchill River with both the Churchill
23 Falls and Muskrat Falls plants to the Vista model and that integrated model
24 continues to be developed for use in studies and ultimately for operations.

- 1 b) Modelling of the Muskrat Falls Generating Station in Hydro's Vista model is
2 based on the hydraulics of the facility. Currently the Vista simulations do not
3 include consideration of the power purchase agreement with Nalcor; the model
4 uses all available energy to first meet Hydro native load with only the excess is
5 assumed to be available for export.
- 6 c) Please refer to Hydro's response to part b).