Q. MHI-Nalcor-49 at 49.1 indicates a 2010 Holyrood Projection of 1,032.8 GWh. The 2010 demand as stated in Exhibit 1 is 7,585 GWh. Table 3.1 from Exhibit 16 – Generation Planning Issues puts the cumulative firm and average supplies from Newfoundland and Labrador Hydro Assets, Newfoundland Power Assets, Corner Brook Assets, and the PPAs at 5,957 and 6,847 GWh, which puts the Holyrood supply balance at 1,628 GWh under the firm supply case and 738 GWh under the average supply case.

a. Please explain how 1,032.8 GWh is derived and what scenario is used to determine the amount of thermal complement considered (average, firm, or a more complex seasonal statistical analysis).

b. Please elaborate on the supplies available from Corner Brook Pulp and Paper and Newfoundland Power Inc. and the corresponding demand they supply

c. Please confirm that the demands currently supplied by Corner Brook Pulp and Paper and Newfoundland Power Inc. are integrated in the demand projections.

A. a. The scenario used to determine the amount of thermal complement required from NLH sources is average energy. However, as noted on page 3 of *Exhibit 100 - Output from 2010 Isolated and Interconnected Island Strategist run.pdf*, the "expected average hydro production is down for 2010, 2011 and 2012 due to expected spill". Between October and April, Holyrood has to be online and generating at least at minimum levels for reasons of system security and load and voltage support, even if hydro sites are spilling water elsewhere. With the reduction

in load due to the shutdown of the Grand Falls paper mill in 2009, it is expected that NLH will be spilling water every year for the next several years. This will continue until load increases sufficiently, as expected when Vale comes in-service.

As can be seen on pages 1, 2 and 3 of *Exhibit 100*, for 2010:

Total Hydro and Wind	= 6480.8 GWh
Corner Brook Co-Gen PPA and other Thermal	= 71.4 GWh
Holyrood	**= 1032.8 GWh**
Total Forecast	= 7585.0 GWh

b. As given on page 25 of *Exhibit 10a Hydroelectric and Wind Energy - Monthly Energy Production Forecasts.pdf*, the forecasted production for Corner Brook Pulp and Paper (Deer Lake Power) and Newfoundland Power Inc. are as follows:

	2010	2011	2012-2014
	GWh	GWh	GWh
Newfoundland Power	428.8	429.7	431.6
Deer Lake Power	878.9	878.9	878.9

As can be seen from page 2 of *Exhibit 100,* Newfoundland Power's generation and Corner Brook Pulp and Paper's generation supply a corresponding amount of load.

c. The demand currently supplied by Corner Brook Pulp and Paper and Newfoundland Power Inc. is integrated in the demand projections.

The generation assets owned by Corner Brook Pulp and Paper and Newfoundland Power Inc. respectively are included in the island generation resources and their loads are included in the island demand forecast.