Q. (Regulated Activities Evidence page 2.42, Table 2.17)
According to this table, Hydro will fall short of its capacity reliability target in 2015 and its energy reliability target in 2019. Please file a copy of Hydro's least cost integrated resource plan for alleviating these shortfalls, and show Table 2.17 with the plan incorporated.

A. Table 7-1, *2012 Generation Expansion Plans (Preliminary)* found on page 24 of the *Generation Planning Issues November 2012*, provided as IC-NLH-016 Attachment 1, indicates Hydro's generation expansion plans from 2012 to 2031. Table 7-1 shows two proposed plans, one for an Interconnected Island Scenario, involving the development of Muskrat Falls and an HVdc link from Labrador to the Island and one for an Isolated Island Scenario.

In December 2012 sanction was given to the 824 MW, 4.9 TWh Muskrat Falls Generating Station, the Labrador Island HVdc transmission line with a 900 MW capacity between Labrador and the Island, and the Maritime Link HVdc transmission line with a 500 MW capacity between the Island and Nova Scotia. These developments fundamentally change the provincial power system electrical supply. These facilities will come into operation in 2017 and at that time and for some time into the future there will be sufficient capacity to meet projected customer demand and energy requirements. These facilities will enable the decommissioning of the 467 MW, 3.0 TWh Holyrood Thermal Generating Station. This is currently anticipated to occur in 2020/2021 timeframe. The interconnection of the Island Interconnected System with the Labrador Interconnected System and the bulk power systems in Québec and in Nova Scotia will result in additional options that will change the manner in which power supply will be planned in the

future. As a result of these fundamental changes, display of data beyond 2017 in the traditional format of Table 7.1 is not appropriate. In particular, firm energy requirements will be able to be met through a broader spectrum of options external to the Island. Similarly, reserve and capacity sharing with neighbouring systems will change the appropriateness of applying the LOLH criteria beyond 2017. Table 1 is a revision of Table 2.17 – to the time of the Muskrat Falls/Labrador Island Link in-service.

Table 1

Island Interconnected System
Load Forecast and Capacity and Energy Balances
With Proposed Addition

	Load Forecast		Existing and Proposed System			
Year	**Peak MW**	**Energy GWh**	**Net Capacity MW**	**Firm Capability GWh**	**LOLH hrs/yr**	**Energy Balance GWh**
2013	1,570	7,990	1,946	8,940	0.97	950
2014	1,691	8,472	1,946	8,940	2.59	468
2015[(1)]	1,721	8,745	2,006	8,940	3.91	195
2016	1,736	8,902	2,006	9,413	2.34	511
2017[(2)]	1,755	8,921	2,006	9,413	3.01	492

Notes:

1. 60 MW CT in-service 2015.
2. To the time of Muskrat Falls/Labrador Island Link in-service 2017.