

1 Q. **2013 General Rate Application, Wind Energy Purchases**

2 Provide details of water spilled at Hydro's facilities as a result of purchased energy
3 from wind generators, other NUGs and Exploits Generation for the years 2007-
4 2013, inclusive.

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7 A. The table found below summarizes the total energy purchases and spill for the
8 period 2007 to 2014.

Table 1								
Total Energy Purchases and Spill								
2007-2014								
	2007	2008	2009	2010	2011	2012	2013	2014 ⁽¹⁾
Total Energy Purchases (GWh)	454	451	569	505	912	994	1,012	798
Total Energy Spilled (GWh) ⁽²⁾⁽³⁾	-	-	16	129	727	-	870	134
Notes:								
1. 2014 data to the end of October								
2. Includes spill from Hydro's major reservoirs at the Bay d'Espoir, Cat Arm and Hinds Lake systems.								
3. In 2011, spill also includes 20 GWh of energy spilled from CBPP's Grand Lake Reservoir stored by Hydro under the energy exchange arrangements. (Refer to Hydro's response to LWHN-NLH-045)								

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10 As indicated in Section 2.2.2 of the Regulated Activities Evidence, in 2009, following
11 the closure of the Abitibi paper mill and the expropriation of the generating assets,
12 Hydro began to take receipt of the Exploits Base¹ generation with no arrangements
13 for purchasing it. The energy from the Star Lake plant and Incremental generation
14 from the Bishop's Falls and Grand Falls² plants was purchased from Nalcor under
15 the terms of the previous Power Purchase Agreements (PPAs). In addition, in June

¹ Generation at Grand Falls, Bishop's Falls and Buchans formerly used to supply Abitibi paper mill operations in Grand Falls-Windsor.

² Energy purchased from the Star Lake Hydro and Exploits River Hydro Partnerships.

of 2009, due to high reservoir storage conditions, Hydro advised Corner Brook Pulp and Paper that it could no longer make payment for its secondary energy and began to take receipt of this energy with payment contingent on Hydro not spilling water. There was no power purchase arrangement with Exploits for 2009 and 2010. However, Hydro agreed to store energy from the Exploits Base generation until Government decided the disposition of that energy. There was spill from Hydro's reservoirs in 2010 and 2011. The equivalent energy in the spilled water was the Exploits Base generation energy and the CBPP secondary energy stored during previous periods. The equivalent amounts are shown in the table below.

Table 2
Reservoir Spill
Deemed to be from Exploits Generation and CBPP Secondary

	<u>2010</u>	<u>2011</u>
Exploits Base Generation (GWh)	127.5	722.1
Corner Brook Pulp and Paper Secondary (GWh)	1.0	4.9

CBPP was once again advised in May 2013 that Hydro could no longer make payment for its secondary energy and Hydro began taking receipt of the same with payment contingent on there being no spill. Hydro began spilling water from its reservoir system in April through to November 2013. This spill occurred due to very high inflows into Hydro's reservoirs which, to the end of September, were 127% above average (year-to-date). This is the third highest inflows for this period in the 63 years of record. There was also spill out of Hydro's reservoir systems during the period of May to July 2014. From May 2013 to the end of October 2014 there is 15.7 GWh of spill that is attributed to the CBPP secondary. The assignment of the remaining spill resulting from power purchase arrangements is theoretical and could be attributed to all power purchases generally since 2007.