Q. Further to response to Request for Information NP-NLH-003:

Please complete the following table:

Hydro Reliability Measures			
Type	**5 Year Average 2009-2013 (YTD)**	**NLH 2013 (YTD) Actual**	**% Difference** (+ or -)
SAIFI (Tx)			
SAIDI (Tx)			
SAIFI (Dn)			
SAIDI (Dn)			
DAFOR			
UFLS			

Notes:
SAIFI = System Average Interruption Frequency Index
SAIDI = System Average Interruption Duration Index
DAFOR = Derating Adjusted Forced Outage Rate
UFLS = Underfrequency Load Shedding
Tx = Transmission
Dn = Distribution

A. Please refer to the completed table below.

Hydro Reliability Measures[1]			
Type	**5 Year Average 2009-2013**	**NLH 2013 Actual**	**% Difference** (+ or -)
SAIFI (Tx)	2.61	3.45	+32%
SAIDI (Tx) (mins)	269.56	468.45	+74%
SAIFI (Dn)	4.77	5.65	+18%
SAIDI (Dn) (hours)	12.09	18.55	+53%
DAFOR[2]	4.66	12.24	+163%
UFLS	5.6	7	+25%

[1] The SAIFI and SAIDI results for transmission and distribution include forced and planned outages types. The results for 2013 are to the end of December.
[2] DAFOR reported as a weighted value.

Hydro's transmission performance in 2013 was impacted by the January 11 winter storm, during which a major blizzard resulted in tripping of the equipment in the Holyrood Terminal Station and transmission lines on the Avalon Peninsula. This storm contributed 0.53 interruptions per delivery point or 15% of total SAIFI (Tx) and 65.69 minutes per delivery point or 14% of total SAIDI (Tx). In addition, there were several significant wind storm events affecting the Great Northern Peninsula in 2013 (February 17/18, November 28 and December 4). These wind storms resulted in 1.16 interruptions per delivery point or 34% of total SAIFI (Tx) and 113.24 interruption minutes per delivery point or 24% of total SAIDI (Tx).

With these major contributing events excluded, the SAIFI (Tx) would have been 1.76 or 22% lower than a modified five year average[3] and the SAIDI (Tx) would have been 289.52 or 24% higher than a modified five-year average.

Hydro's distribution performance in 2013 was impacted by equipment failures on Fogo Island on January 19, April 6, and May 5, 2013. These events contributed 0.38 interruptions per customer or 7% of total SAIFI (Dn) and 2.50 interruption hours per customer or 14% of total SAIDI (Dn). In addition, there were planned outages in Labrador West that contributed 0.48 interruptions per customer or 8% of total SAIFI (Dn) and 3.89 interruption hours per customer or 21% of total SAIDI (Dn).

With these outages excluded, the SAIFI (Dn) would have been 4.79 or only 2% higher than the modified five-year average and the SAIDI (Dn) would have been 12.16 or only 13% higher than the modified five-year average.

[3] The 2009-2013 five-year average, re-calculated with the significant events in 2013 excluded.

Hydro's DAFOR performance in 2013 was also affected by the January 11 winter storm which resulted in a trip and subsequent damage to Unit 1 at Holyrood. This caused the unit to be unavailable for several months contributing 7.44% to the DAFOR or 61% of the total for 2013. With this major failure excluded, the DAFOR would have been 4.80% or 51% higher than the modified five-year average.