Q. Update the response to PUB-NLH-004 to include data for 2014 year to date (July 31)
and include the reasons for any underfrequency trips in 2014.

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A. Please refer to the table below which provides an update to the table in Hydro's response to PUB-NLH-004 to include data for 2014 year to date (August 31).

7

Underfrequency Load Shedding Events 2004 to 2014 YTD

	Events		
2004	7		
2005	5 6		
2006			
2007	6		
2008	6		
2009	7		
2010	6		
2011	3		
2012	5		
2013	7		
2014 YTD*	10		

2014 YTD* - to August 31, 2014

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PUB-NLH-284 Attachment 1 provides additional detail, including the reasons for the underfrequency trips, for the events that have occurred in 2014. This table is in a similar format as that provided in Hydro's response to PUB-NLH-053.

				Number of Customers Affected			ed	
Year	Event	Date/Time	Generation Loss (MW)	Total	NF Power	Industrial	Hydro	Initiating Event
2014	1	Jan 10, 2014 06:56 PM	115	23,277	21,067	0	2,210	Holyrood Unit 2 - A compressor failure associated with the turbine/boiler.
	2	Jan 12, 2014 05:36 PM	66	5,750	5,750	0	0	Holyrood Unit 3 - Low drum level trip.
	3	Jan 15, 2014 09:09 AM	N/A	3,307	3,307	0	0	Transmission line TL-201 (from the Western Avalon to Hardwoods terminal stations) tripped. The rate of change (df/dt) underfrequency load shedding protection operated. A line patrol found two phases that had fallen to the ground.
	4	Jan 27, 2014 04:50 PM	120	11,061	11,061	0	0	Holyrood Unit 1 - Inadvertent trip.
	5	Jan 30, 2014 05:09 AM	64	6,088	6,087	1	0	Bay d'Espoir Unit 6 - Excitation transformer failure.
	6	Feb 17, 2014 04:22 AM	67	15,108	15,108	0	0	Bay d'Espoir Unit 6 - Excitation transformer failure (the installed spare).
	7	Mar 18, 2014 10:03 PM	59	7,226	7,225	1	0	Bay d'Espoir Units 3 and 4 - While taking Bay d'Espoir Unit 4 offline, its unit breaker misoperated causing a bus lockout to Bus 2 at Bay d'Espoir and tripping Unit 3 offline.
	8	Jul 14, 2014 02:14 PM	113	8,026	8,026	0	0	Holyrood Unit 3 - During a load test, issues with the forced draft fans caused the unit to trip.
	9	Jul 28, 2014 07:28 AM	71	15,102	15,102	0	0	Holyrood Unit 3 - Inadvertent trip.
	10	Jul 29, 2014 09:43 AM	70	13,744	13,744	0	0	Holyrood Unit 3 - Inadvertent trip.