

# **Balancing Authority ACE Limit Proof-of-Concept Field Trial Project 2010-14**

Hydro Quebec Update Discussion  
September 30, 2011

**DISCUSSION STARTING AT 2:00 PM EDT**

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Balancing Authority Reliability-based Control Standard Drafting Team  
(BARCSDT)

## Frequency Data Summary

<b>Month</b>	<b>August-11</b>
Time above 60.1 Hz from 3 second data (minutes)	28.9
Median time in seconds for frequency excursions above 60.10 Hz	6
Time above 60.1 Hz from 1 minute data (minutes)	5
# of events with at least one 1 minute average frequency above 60.1 Hz	3
# of instances above 60.1 Hz for more than 30 minutes	0
Consecutive minutes above 60.1 Hz for high event #1 (at 2011-08-10 09:19:00)	1
Consecutive minutes above 60.1 Hz for high event #2 (at 2011-08-14 15:16:00)	2
Consecutive minutes above 60.1 Hz for high event #3 (at 2011-08-26 07:19:00)	2
Time below 59.9 Hz from 3 second data (minutes)	12.4
Median time in seconds for frequency excursions below 59.90 Hz	6
Time below 59.9 Hz from 1 minute data (minutes)	2
# of events with at least one 1 minute average frequency below 59.9 Hz	2
# of instances below 59.9 Hz for more than 30 minutes	0
Consecutive minutes below 59.9 Hz for low event #1 (at 2011-08-01 14:31:00)	1
Consecutive minutes below 59.9 Hz for low event #2 (at 2011-08-29 07:00:00)	1

08/14/2011 ending 15:16 EDT  
2 minute duration above 60.1 Hz

