

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

Hydro Quebec Update Discussion
August 30, 2011

DISCUSSION STARTING AT 2:00 PM EDT

Bob Klueber – Midwest ISO

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

Frequency Data Summary

Month	July-11
Time above 60.1 Hz from 3 second data (minutes)	26.6
Median time in seconds for frequency excursions above 60.10 Hz	6
Time above 60.1 Hz from 1 minute data (minutes)	1
# of events with at least one 1 minute average frequency above 60.1 Hz	1
# of instances above 60.1 Hz for more than 30 minutes	0
Consecutive minutes above 60.1 Hz for high event #1 (at 2011-07-28 07:03:00)	1
Time below 59.9 Hz from 3 second data (minutes)	10.4
Median time in seconds for frequency excursions below 59.90 Hz	6
Time below 59.9 Hz from 1 minute data (minutes)	5
# of events with at least one 1 minute average frequency below 59.9 Hz	4
# of instances below 59.9 Hz for more than 30 minutes	0
Consecutive minutes below 59.9 Hz for low event #1 (at 2011-07-01 09:37:00)	2
Consecutive minutes below 59.9 Hz for low event #2 (at 2011-07-04 06:27:00)	1
Consecutive minutes below 59.9 Hz for low event #3 (at 2011-07-28 06:45:00)	1
Consecutive minutes below 59.9 Hz for low event #4 (at 2011-07-30 04:08:00)	1

07/01/2011 ending 09:37 EDT
2 minute duration below 59.9 Hz

