

Briefing on Market Performance

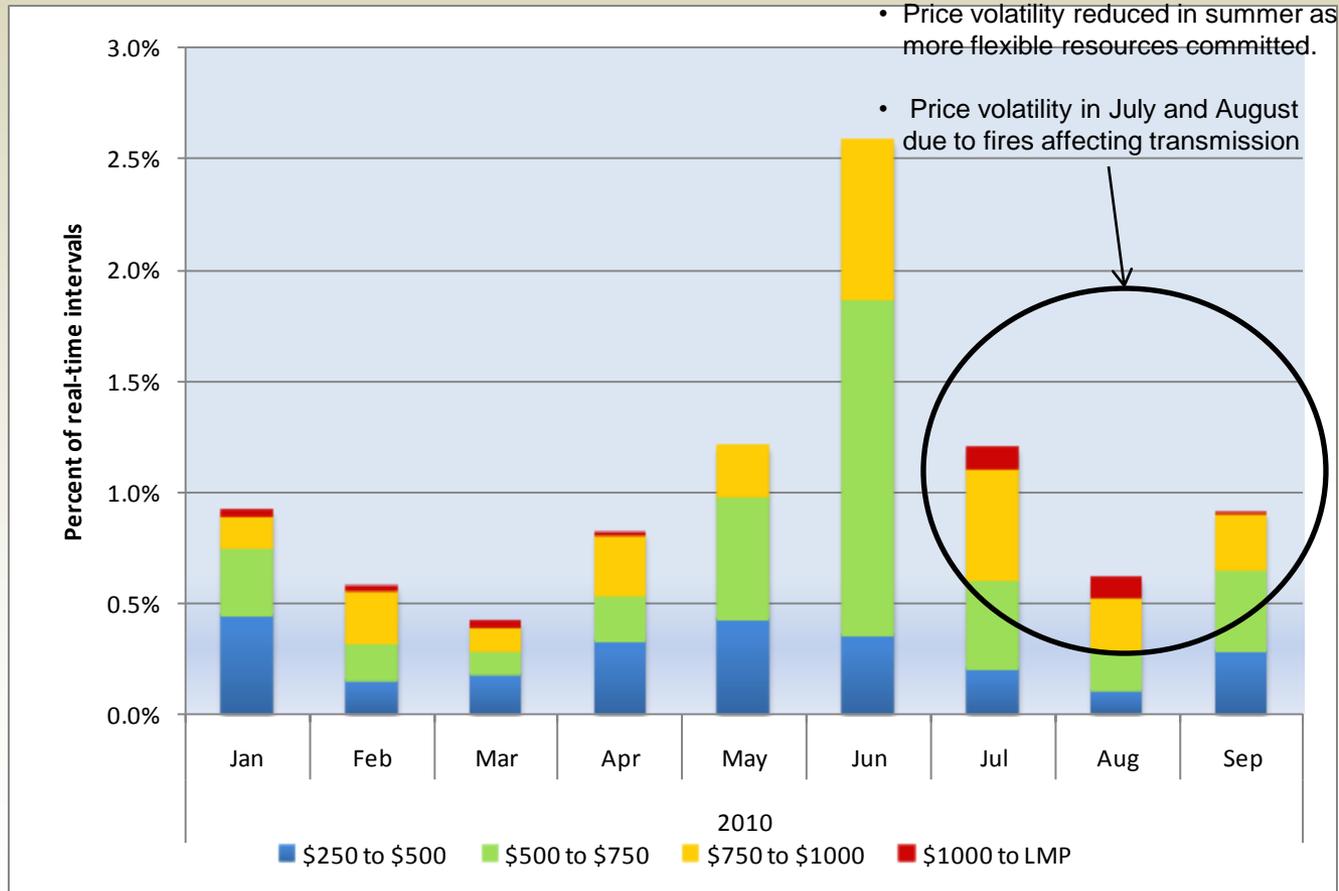
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Board of Governors Meeting
General Session
November 1-2, 2010

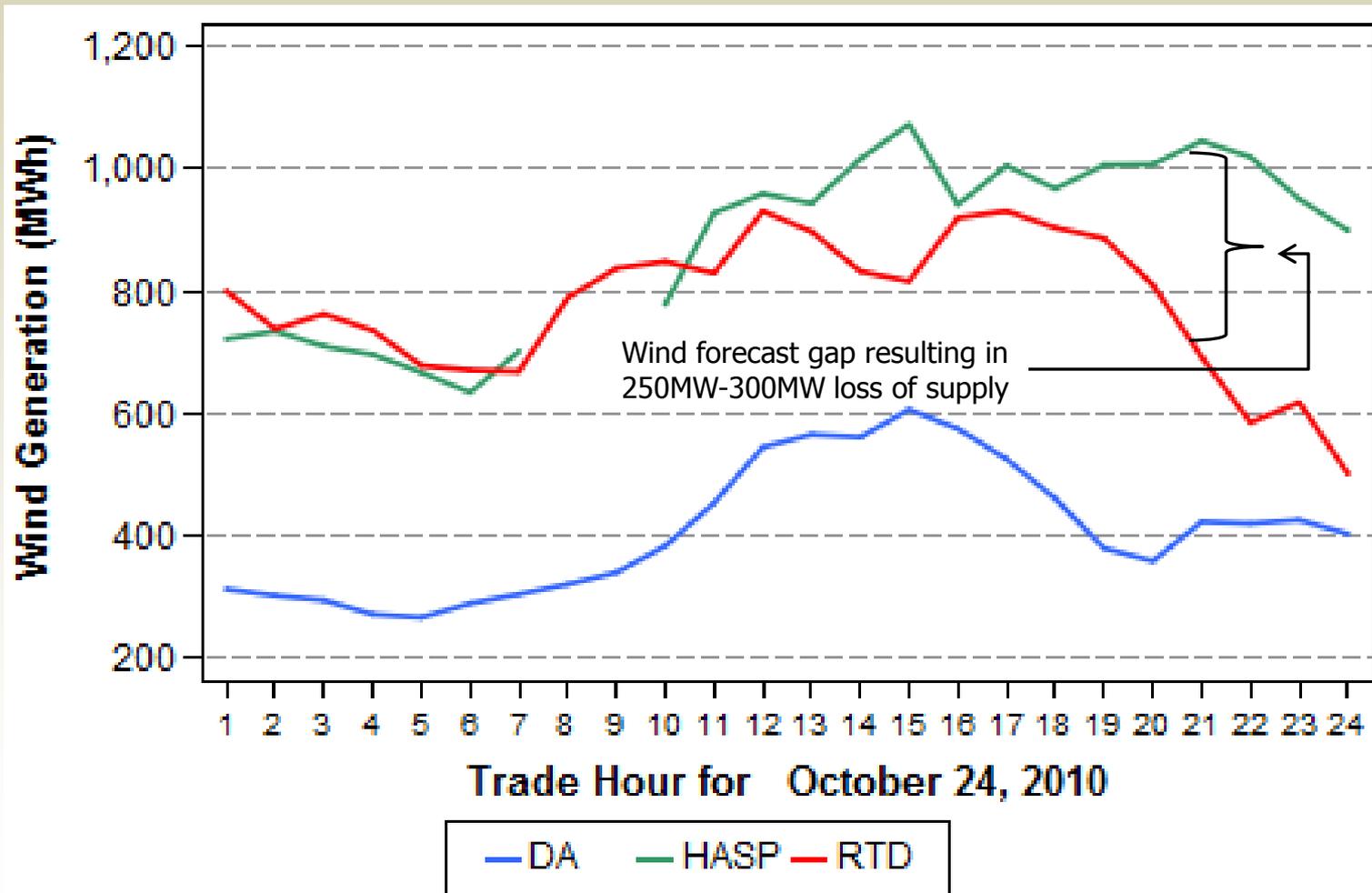
Markets continue to perform well.

- Key observations:
 - Prices remain competitive and consistent with market conditions
 - Price convergence improves as seasonal flexibility increases
 - Exceptional dispatches remain at low levels
 - Congestion revenue rights (CRR) revenue adequacy continues to improve
 - Price corrections decreased
- Areas of focus:
 - Improve market convergence
 - Improve forecasting
 - Provide for dispatch flexibility

Frequency and magnitude of 5-minute price volatility decreased as seasonal online ramping capability increased.

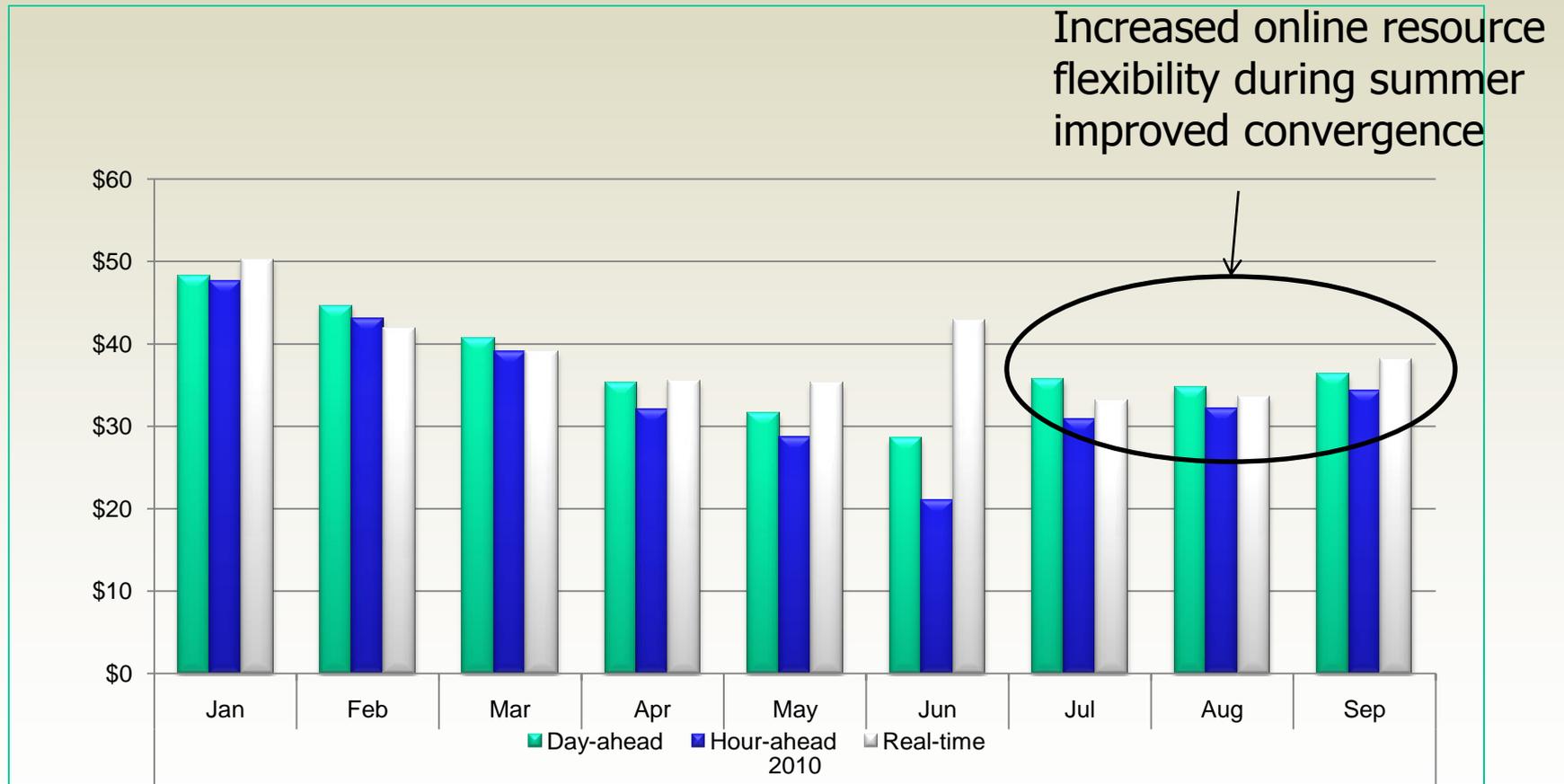


Intermittency of wind production contributes to real-time price volatility

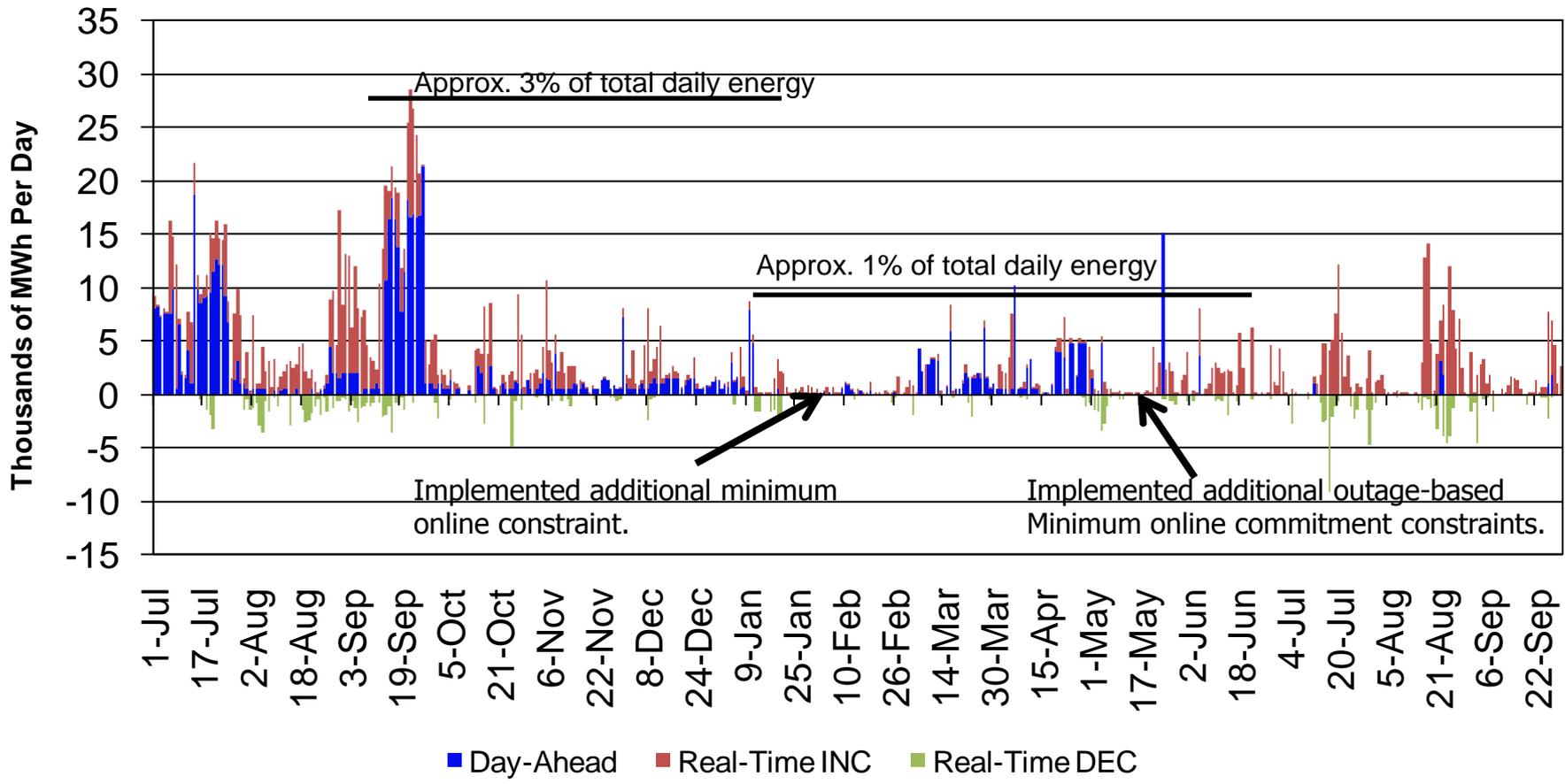


Price convergence between markets improved in last quarter.

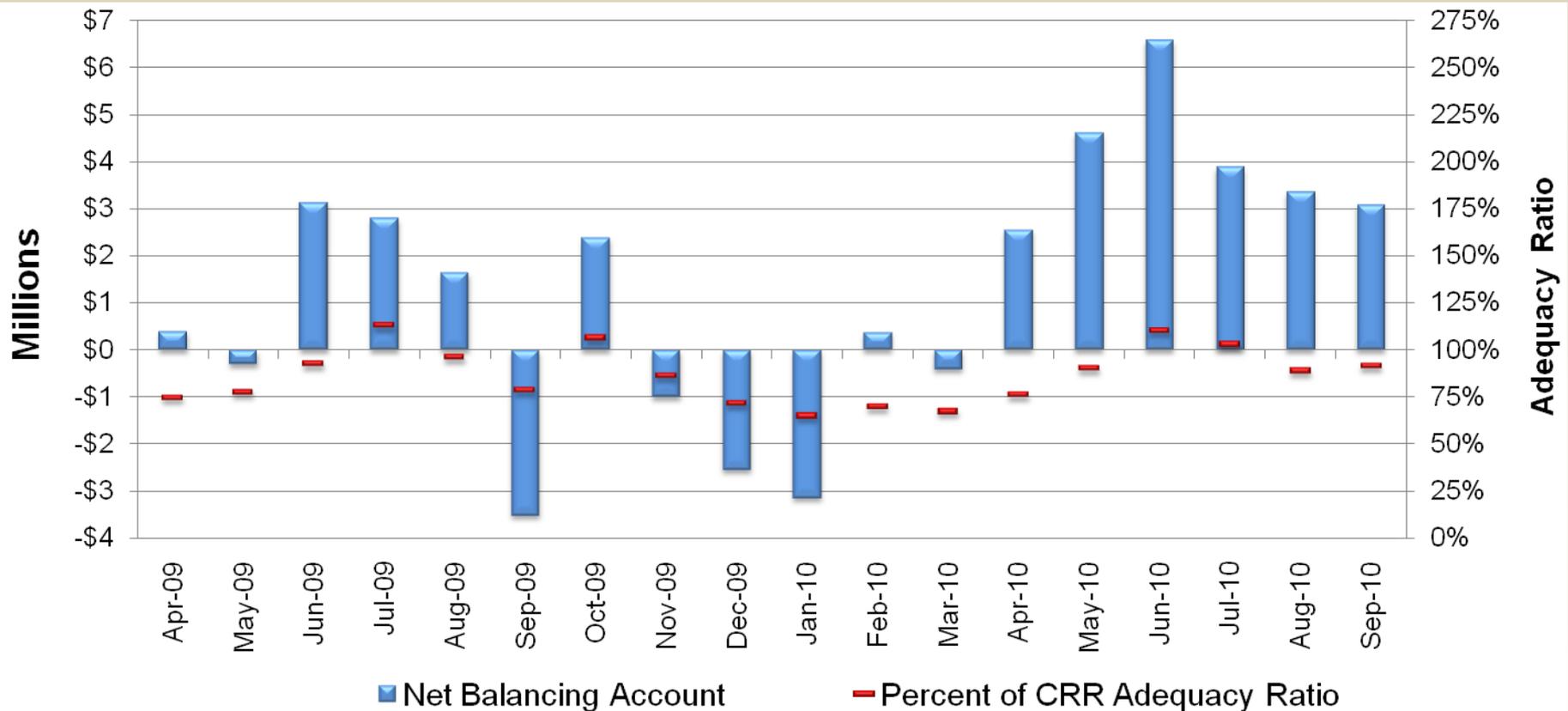
Average Hourly PG&E LAP Prices



Day ahead exceptional dispatch volumes continue to decrease as more operational constraints are incorporated into the market.

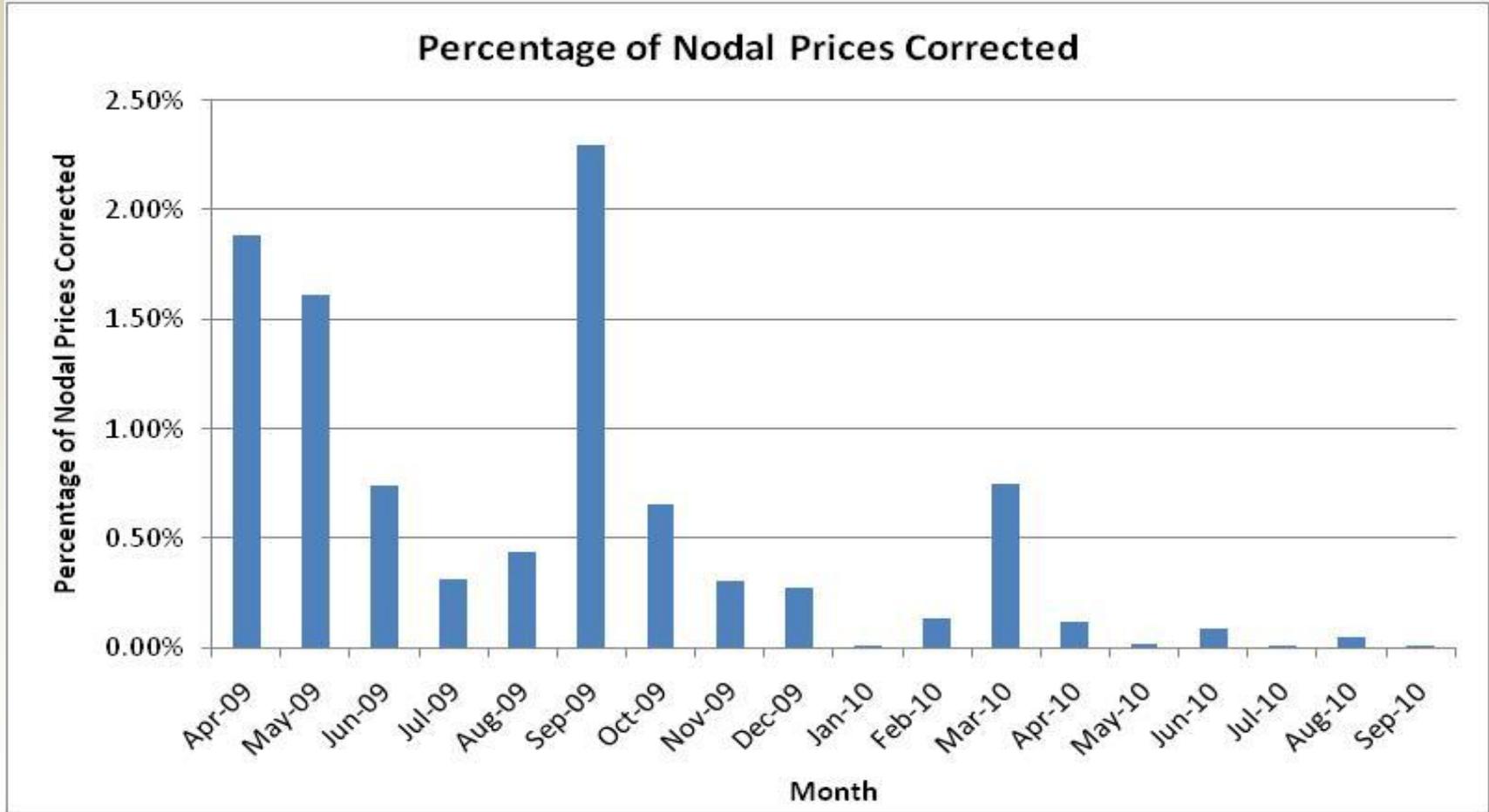


Monthly congestion revenue rights revenue adequacy stabilized.



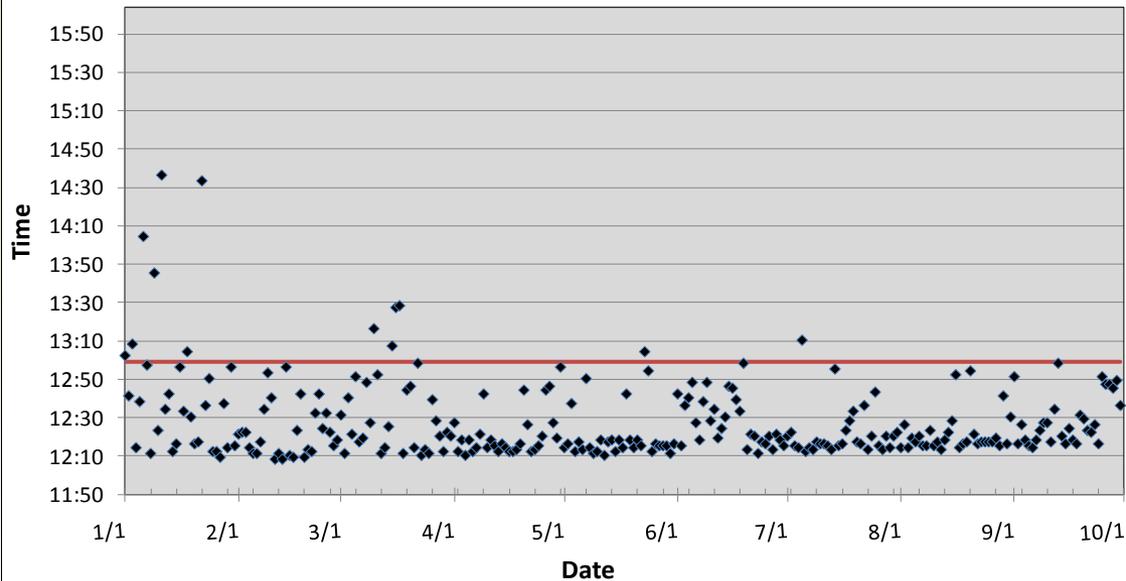
Note: Net balancing account includes auction revenues

Frequency of price corrections continues to decrease.



Publishing day-ahead market on time every day for last two months.

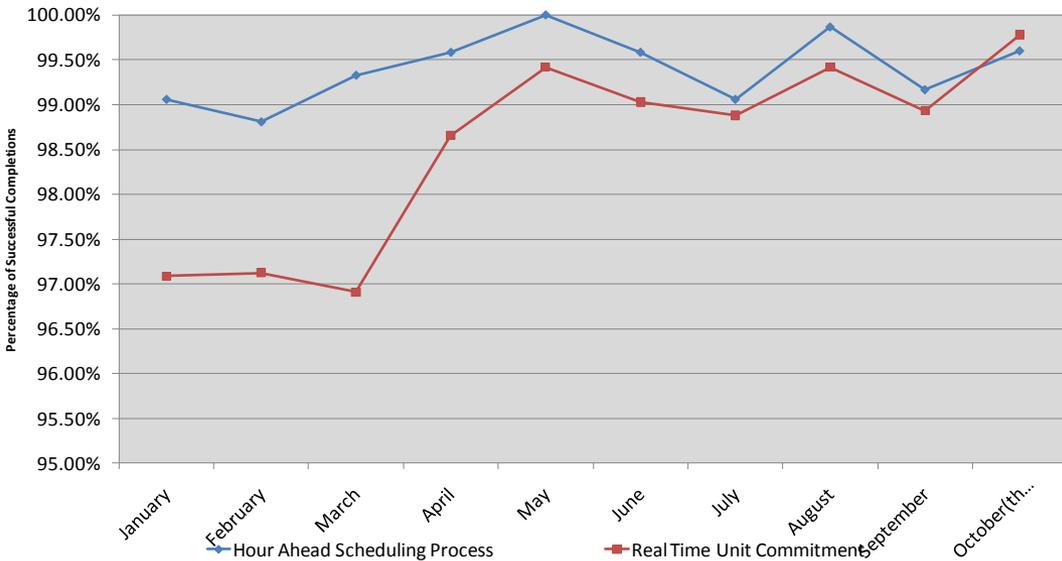
2010 DA Publish Time



| Monthly Performance | DAM | |
|---------------------|--------------|-----------|
| | Days On-Time | % Success |
| January | 24 | 77.42% |
| February | 28 | 100.00% |
| March | 27 | 87.10% |
| April | 30 | 100.00% |
| May | 30 | 96.77% |
| June | 30 | 100.00% |
| July | 30 | 96.77% |
| August | 31 | 100.00% |
| September | 30 | 100.00% |

Real-time market success rate reduced slightly.

Hour-Ahead and Real-Time Unit Commitment Success Rate



 Hour Ahead Scheduling Process (HASP)
 Real Time Unit Commitment Process (RTUC)

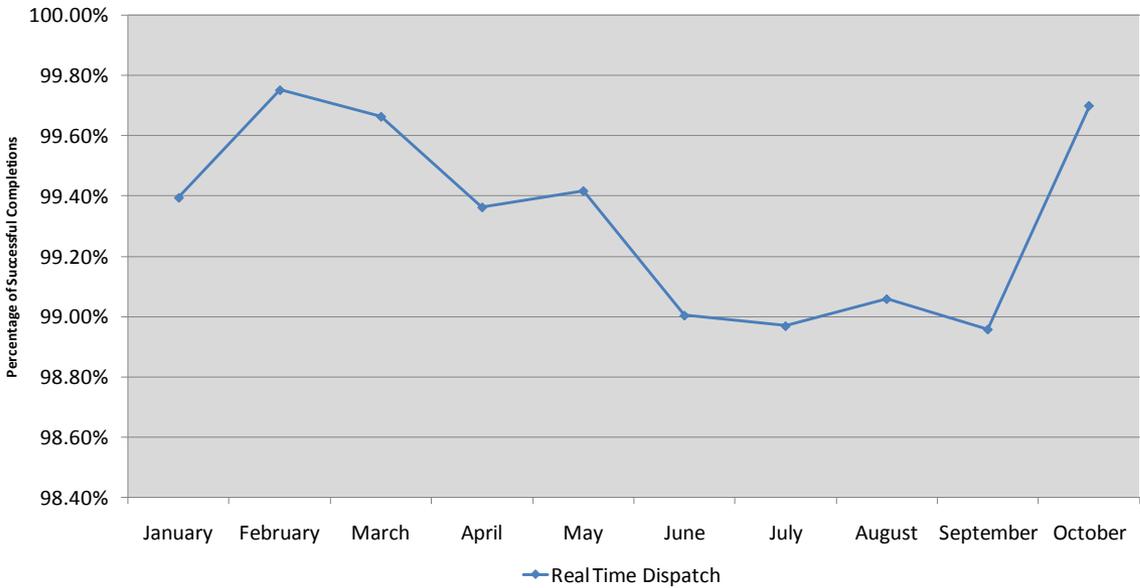
Small increase in failures due to:

- 1) software infeasible solutions
- 2) database related issues

| Monthly Performance | HASP | RTUC |
|---------------------|-----------|-----------|
| | % Success | % Success |
| January | 99.06% | 97.09% |
| February | 98.81% | 97.12% |
| March | 99.33% | 96.91% |
| April | 99.58% | 98.66% |
| May | 100.00% | 99.42% |
| June | 99.58% | 99.03% |
| July | 99.06% | 98.88% |
| August | 99.87% | 99.42% |
| September | 99.17% | 98.94% |
| October(thru 10/23) | 99.60% | 99.78% |

Real-time market completions

Real Time Dispatch Success Rate



— Real Time 5 Min Dispatch Intervals

Real-time dispatch successful completion declined due to some database timeouts.

Database was split in October to address

| Monthly Performance | Real-Time % Success |
|---------------------|---------------------|
| January | 99.40% |
| February | 99.75% |
| March | 99.66% |
| April | 99.36% |
| May | 99.42% |
| June | 99.00% |
| July | 98.97% |
| August | 99.06% |
| September | 98.96% |
| October(thru 10/23) | 99.70% |

Areas of focus going forward:

- Increase robustness of system
- Increase the flexibility of the market to respond to changes in conditions
- Improve load forecasting capabilities