



# Monthly Report

**March 2010**

**Rana Mukerji**

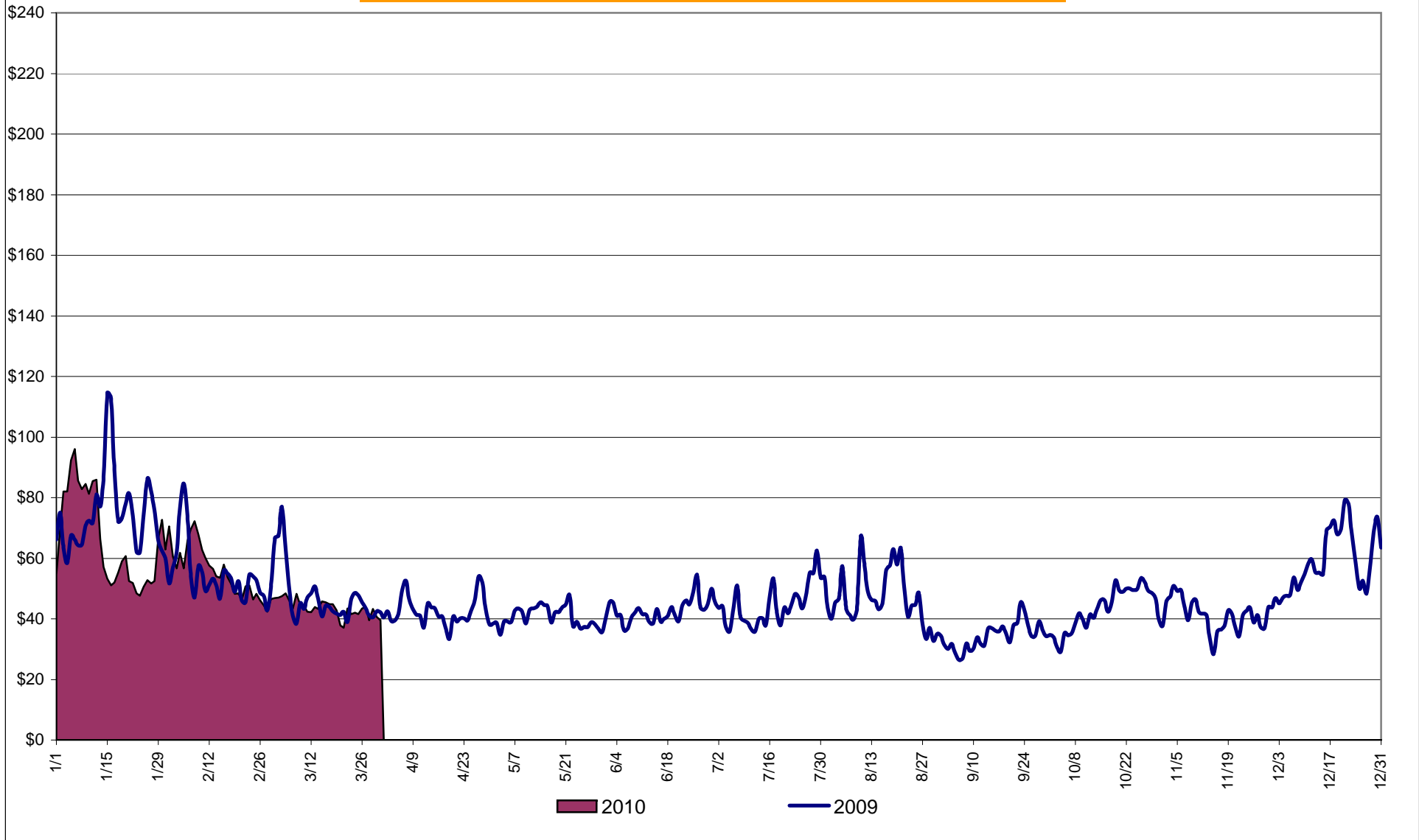
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# Market Performance Highlights for March 2010

- **LBMP for March is \$40.19/MWh, down from \$52.44/MWh in February 2010.**
  - Average monthly cost is \$43.71/MWh, down from \$56.13/MWh in February 2010.
  - Day Ahead and Real Time LBMPs have decreased from February 2010.
- **Average daily sendout is 410GWh/day in March, down from 444GWh/day in February 2010 and lower than the March 2009 sendout of 422GWh/day.**
- **Natural Gas prices are down this month while the distillates are up compared to last month.**
  - Kerosene is \$16.10/MMBtu, up from \$15.12/MMBtu in February.
  - No. 2 Fuel Oil is \$14.81/MMBtu, up from \$13.99/MMBtu in February.
  - No. 6 Fuel Oil is \$11.93/MMBtu, up from \$11.69/MMBtu in February.
  - Natural Gas is \$4.68/MMBtu, down from \$6.95/MMBtu in February.
- **Uplift per MWh is down from the previous month.**
  - Uplift (not including NYISO cost of operations) is \$0.82/MWh, down from \$1.22/MWh in February.
    - The TSA Share is (\$0.00/MWh) There was 1 thunderstorm alert on March 13<sup>th</sup>, that result in no TSA allocation.
    - The Local Reliability Share is \$0.49/MWh
    - The Other Share is \$0.33/MWh
  - Total uplift (Schedule 1 components including NYISO Cost of Operations) decreased in March to \$19.8 million from \$24.8 million in February.

**Daily NYISO Average Cost/MWh (Energy & Ancillary Services)\***  
**2009 Annual Average \$48.69/MWh**  
**March 2009 YTD Average \$60.97/MWh**  
**March 2010 YTD Average \$56.32/MWh**



\* Excludes ICAP payments.

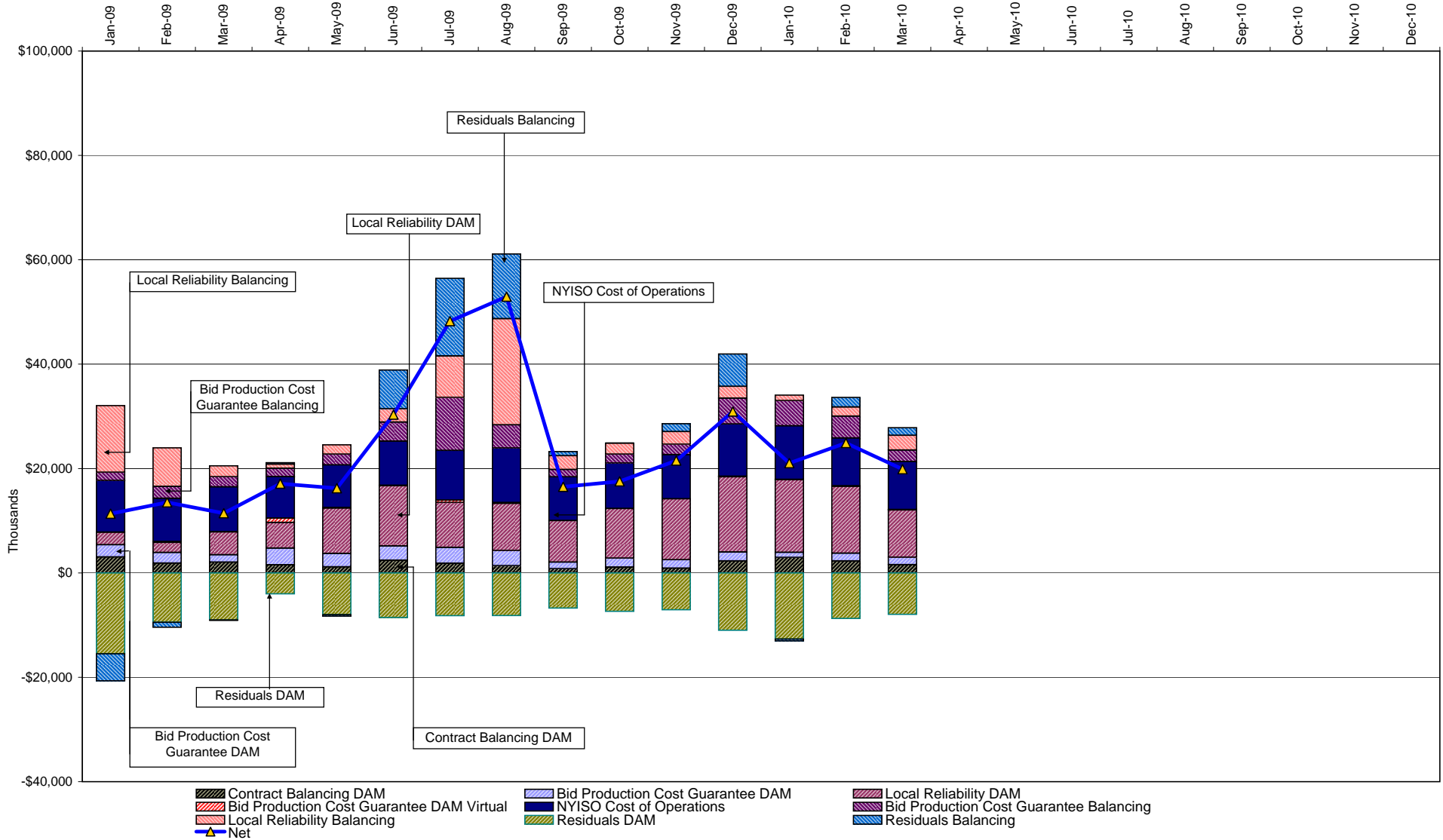
**NYISO Average Cost/MWh (Energy and Ancillary Services) \***  
**from the LBMP Customer point of view**

<b>2010</b>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	63.90	52.44	40.19									
NTAC	0.70	0.77	0.88									
Reserve	0.19	0.17	0.26									
Regulation	0.44	0.37	0.40									
NYISO Cost of Operations	0.71	0.71	0.71									
Uplift	0.76	1.22	0.82									
Uplift: TSA Share	-	-	-									
Uplift: Local Reliability Share	0.54	0.72	0.49									
Uplift: Other Share	0.22	0.50	0.33									
Voltage Support and Black Start	<u>0.44</u>	<u>0.44</u>	<u>0.44</u>									
<b>Avg Monthly Cost</b>	<b>67.15</b>	<b>56.13</b>	<b>43.71</b>									
Avg YTD Cost	67.15	62.07	56.32									
<b>2009</b>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	73.30	52.75	45.64	39.66	37.83	39.01	40.68	43.65	31.74	39.74	37.87	55.63
NTAC	0.45	0.53	0.36	0.87	0.58	0.77	0.63	0.61	0.62	0.65	0.81	0.76
Reserve	0.26	0.35	0.31	0.24	0.30	0.23	0.24	0.16	0.24	0.26	0.20	0.21
Regulation	0.45	0.48	0.55	0.37	0.31	0.37	0.29	0.24	0.32	0.44	0.38	0.42
NYISO Cost of Operations	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.69	0.69	0.69
Uplift	0.11	0.41	0.21	0.67	0.63	1.71	2.66	2.75	0.63	0.70	1.07	1.45
Uplift: TSA Share	-	-	0.00	0.02	0.02	0.43	0.71	0.41	-	-	-	-
Uplift: Local Reliability Share	0.15	0.28	0.12	0.22	0.41	0.80	0.91	1.53	0.40	0.46	0.70	0.78
Uplift: Other Share	(0.04)	0.13	0.09	0.43	0.20	0.48	1.04	0.81	0.23	0.24	0.37	0.67
Voltage Support and Black Start	<u>0.34</u>	<u>0.34</u>	<u>0.34</u>	<u>0.34</u>	<u>0.34</u>	<u>0.34</u>	<u>0.34</u>	<u>0.34</u>	<u>0.34</u>	<u>0.34</u>	<u>0.34</u>	<u>0.34</u>
<b>Avg Monthly Cost</b>	<b>75.55</b>	<b>55.50</b>	<b>48.06</b>	<b>42.81</b>	<b>40.65</b>	<b>43.08</b>	<b>45.49</b>	<b>48.39</b>	<b>34.55</b>	<b>42.81</b>	<b>41.35</b>	<b>59.50</b>
Avg YTD Cost	75.55	66.83	60.97	56.83	53.90	52.08	51.00	50.57	48.74	48.17	47.62	48.69

\* Excludes ICAP payments.

These numbers reflect the true-ups thru December 2009.

## NYISO Dollar Flows - Uplift- OATT Schedule 1 components - Data through March 31, 2010



DAM Contract Balancing amounts are for payments made to generating units to make them whole for being dispatched below their Day-Ahead schedule, as a result of out-of-merit dispatches.  
 DAM Bid Production Cost Guarantees for Virtual Transactions are included in the chart and are shown from the inception of Virtual Transactions. These values are small and cannot be identified on the chart.  
 DAM residuals consist of both energy and loss revenue collections and payments. By design, there is a net over collection of revenues due to the difference between the marginal losses paid to generation and the average losses charged to loads.

## NYISO Markets Transactions

<b>2010</b>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<b>Day Ahead Market MWh</b>	14,034,781	12,593,305	12,922,930									
DAM LSE Internal LBMP Energy Sales	49%	46%	47%									
DAM External TC LBMP Energy Sales	2%	3%	1%									
DAM Bilateral - Internal Bilaterals	41%	43%	43%									
DAM Bilateral - Import/Non-LBMP Market Bilaterals	6%	5%	5%									
DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%	1%	2%									
DAM Bilateral - Wheel Through Bilaterals	2%	1%	1%									
<b>Balancing Energy Market MWh</b>	377,994	280,238	21,148									
Balancing Energy LSE Internal LBMP Energy Sales	40%	53%	-427%									
Balancing Energy External TC LBMP Energy Sales	56%	50%	593%									
Balancing Energy Bilateral - Internal Bilaterals	9%	7%	191%									
Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals	0%	0%	2%									
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	7%	8%	117%									
Balancing Energy Bilateral - Wheel Through Bilaterals	-12%	-18%	-376%									
<b>Transactions Summary</b>												
LBMP	52%	50%	49%									
Internal Bilaterals	40%	43%	43%									
Import Bilaterals	5%	5%	5%									
Export Bilaterals	2%	2%	2%									
Wheels Through	1%	1%	1%									
<b>Market Share of Total Load</b>												
Day Ahead Market	97.4%	97.8%	99.8%									
Balancing Energy +	2.6%	2.2%	0.2%									
Total MWh	14,412,775	12,873,543	12,944,078									
Average Daily Energy Sendout/Month GWh	451	444	410									

<b>2009</b>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<b>Day Ahead Market MWh</b>	14,570,391	12,511,009	13,160,913	12,121,505	12,324,218	13,159,069	14,549,784	15,547,976	12,761,517	12,385,591	12,446,286	14,046,621
DAM LSE Internal LBMP Energy Sales	45%	44%	46%	47%	43%	48%	51%	53%	53%	50%	47%	46%
DAM External TC LBMP Energy Sales	4%	2%	1%	1%	2%	2%	1%	1%	1%	1%	2%	3%
DAM Bilateral - Internal Bilaterals	45%	47%	45%	45%	48%	43%	42%	40%	39%	43%	44%	43%
DAM Bilateral - Import/Non-LBMP Market Bilaterals	4%	5%	5%	5%	5%	5%	5%	5%	5%	4%	5%	5%
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	1%	1%	1%	1%	2%	2%	1%
DAM Bilateral - Wheel Through Bilaterals	0%	0%	0%	0%	1%	1%	1%	1%	1%	1%	1%	1%
<b>Balancing Energy Market MWh</b>	699,813	282,553	70,320	152,623	272,508	-115,653	131,797	560,968	170,324	238,124	-165,015	432,170
Balancing Energy LSE Internal LBMP Energy Sales	56%	39%	-111%	-31%	28%	-247%	-99%	65%	7%	54%	-124%	49%
Balancing Energy External TC LBMP Energy Sales	38%	46%	150%	118%	74%	141%	140%	29%	76%	53%	55%	46%
Balancing Energy Bilateral - Internal Bilaterals	8%	19%	68%	20%	10%	23%	53%	6%	18%	0%	6%	7%
Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	1%	5%	16%	8%	4%	8%	12%	2%	8%	9%	14%	8%
Balancing Energy Bilateral - Wheel Through Bilaterals	-2%	-10%	-24%	-15%	-15%	-27%	-6%	-2%	-8%	-16%	-50%	-10%
<b>Transactions Summary</b>												
LBMP	51%	47%	48%	48%	46%	49%	51%	55%	55%	52%	48%	50%
Internal Bilaterals	43%	46%	45%	44%	47%	44%	42%	38%	38%	42%	45%	42%
Import Bilaterals	4%	5%	5%	5%	5%	5%	5%	5%	5%	4%	5%	5%
Export Bilaterals	2%	2%	2%	2%	2%	1%	1%	1%	1%	2%	2%	2%
Wheels Through	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	0%	1%
<b>Market Share of Total Load</b>												
Day Ahead Market	95.4%	97.8%	99.5%	98.8%	97.8%	100.9%	99.1%	96.5%	98.7%	98.1%	101.3%	97.0%
Balancing Energy +	4.6%	2.2%	0.5%	1.2%	2.2%	-0.9%	0.9%	3.5%	1.3%	1.9%	-1.3%	3.0%
Total MWh	15,270,204	12,793,562	13,231,233	12,274,128	12,596,725	13,043,416	14,681,581	16,108,945	12,931,841	12,623,715	12,281,271	14,478,791
Average Daily Energy Sendout/Month GWh	470	447	422	400	396	427	469	511	425	400	401	447

+ Balancing Energy: Load(MW) purchased at Real Time LBMP.

\* The signs for the detail section intuitively reflect the direction of power flow eliminating the use of double negatives when Balancing Energy is negative.

Notes: Percent totals may not equal 100% due to rounding.  
Virtual Transactions are not reflected in this chart.

### NYISO Markets 2010 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<b><u>DAY AHEAD LBMP</u></b>												
Price *	\$60.96	\$50.47	\$38.69									
Standard Deviation	\$20.86	\$13.07	\$7.78									
Load Weighted Price **	\$62.80	\$51.71	\$39.60									
<b><u>RTC LBMP</u></b>												
Price *	\$59.32	\$49.38	\$37.94									
Standard Deviation	\$33.92	\$24.97	\$14.48									
Load Weighted Price **	\$60.85	\$50.16	\$38.64									
<b><u>REAL TIME LBMP</u></b>												
Price *	\$60.40	\$50.45	\$38.09									
Standard Deviation	\$42.06	\$30.38	\$19.24									
Load Weighted Price **	\$63.13	\$51.69	\$39.19									
Average Daily Energy Sendout/Month GWh	451	444	410									

### NYISO Markets 2009 Energy Statistics

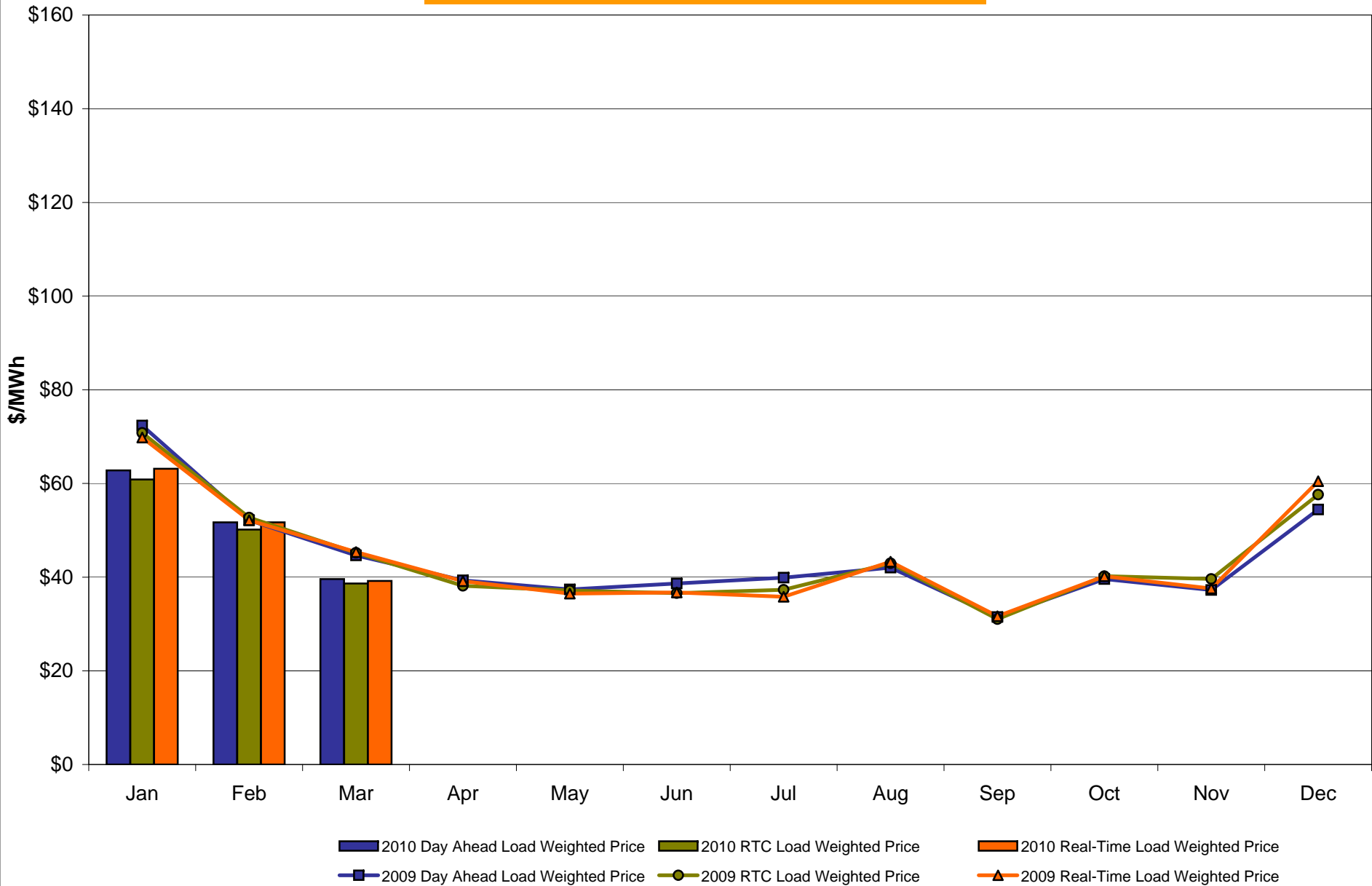
	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<b><u>DAY AHEAD LBMP</u></b>												
Price *	\$70.53	\$50.89	\$43.34	\$38.19	\$36.13	\$37.01	\$37.93	\$39.80	\$30.27	\$38.35	\$36.20	\$52.90
Standard Deviation	\$19.46	\$13.06	\$12.24	\$9.26	\$8.91	\$10.07	\$11.53	\$13.37	\$8.77	\$11.41	\$8.92	\$15.12
Load Weighted Price **	\$72.36	\$52.15	\$44.64	\$39.31	\$37.38	\$38.64	\$39.88	\$42.03	\$31.48	\$39.59	\$37.25	\$54.44
<b><u>RTC LBMP</u></b>												
Price *	\$69.26	\$51.46	\$43.88	\$37.06	\$36.18	\$35.15	\$35.97	\$40.81	\$30.04	\$38.87	\$38.70	\$56.09
Standard Deviation	\$23.37	\$21.26	\$20.38	\$15.20	\$12.48	\$20.07	\$17.38	\$23.89	\$12.77	\$24.97	\$18.60	\$35.17
Load Weighted Price **	\$70.80	\$52.72	\$45.21	\$38.14	\$37.16	\$36.57	\$37.29	\$42.97	\$31.04	\$40.22	\$39.62	\$57.62
<b><u>REAL TIME LBMP</u></b>												
Price *	\$68.14	\$50.62	\$43.73	\$37.72	\$35.11	\$34.92	\$34.13	\$40.40	\$30.36	\$38.46	\$36.43	\$57.99
Standard Deviation	\$23.66	\$20.30	\$22.27	\$20.84	\$19.81	\$29.81	\$23.16	\$25.84	\$16.66	\$28.61	\$17.84	\$40.84
Load Weighted Price **	\$69.80	\$52.14	\$45.36	\$39.13	\$36.48	\$36.73	\$35.82	\$43.29	\$31.66	\$40.19	\$37.57	\$60.47
Average Daily Energy Sendout/Month GWh	470	447	422	400	396	427	469	511	425	400	401	447

\* Average zonal load weighted prices.

\*\* Average zonal load weighted prices, load weighted in each hour.



# NYISO Monthly Average Internal LBMPs 2009 - 2010

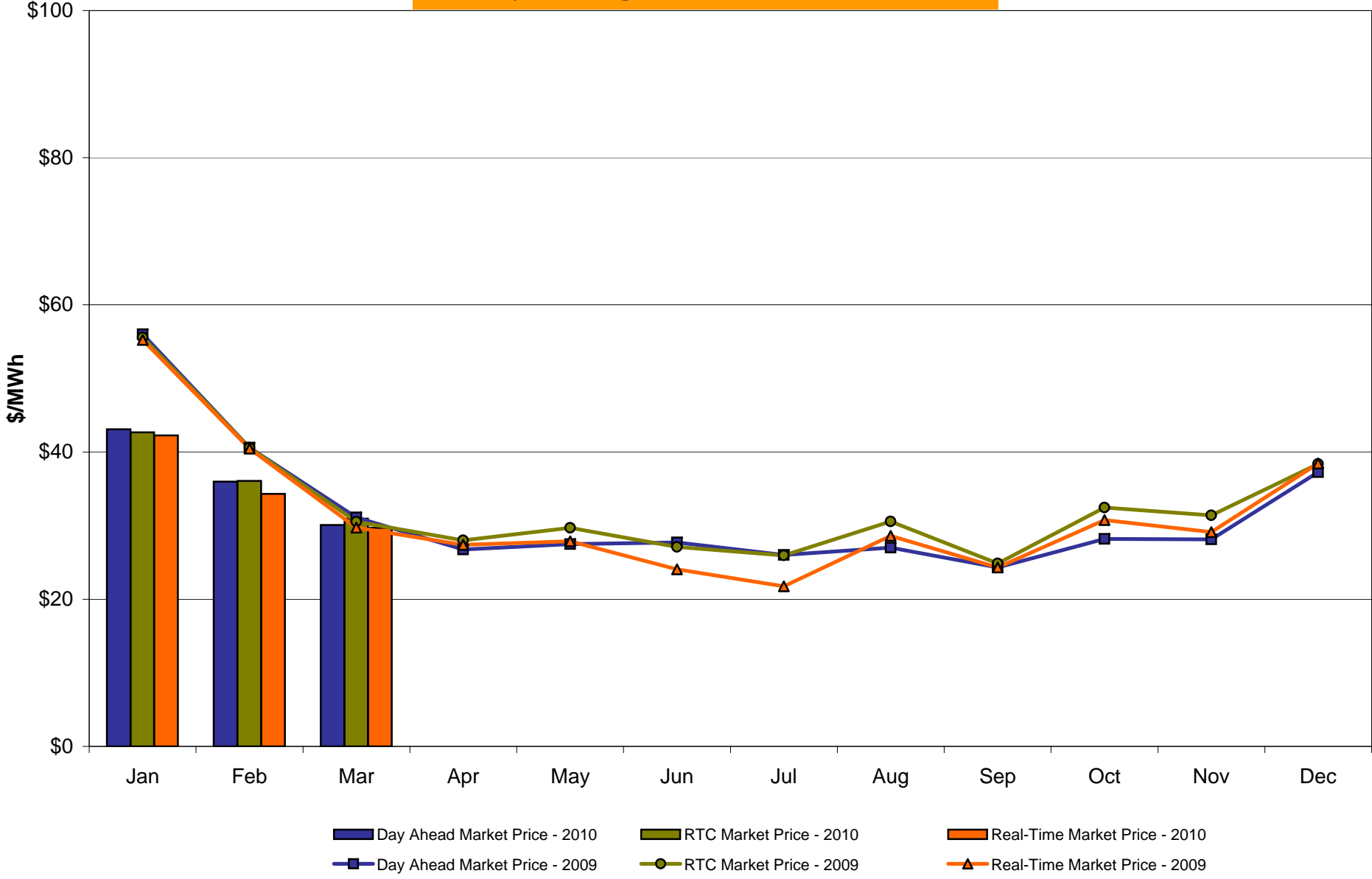


**March 2010 Zonal LBMP Statistics for NYISO (\$/MWh)**

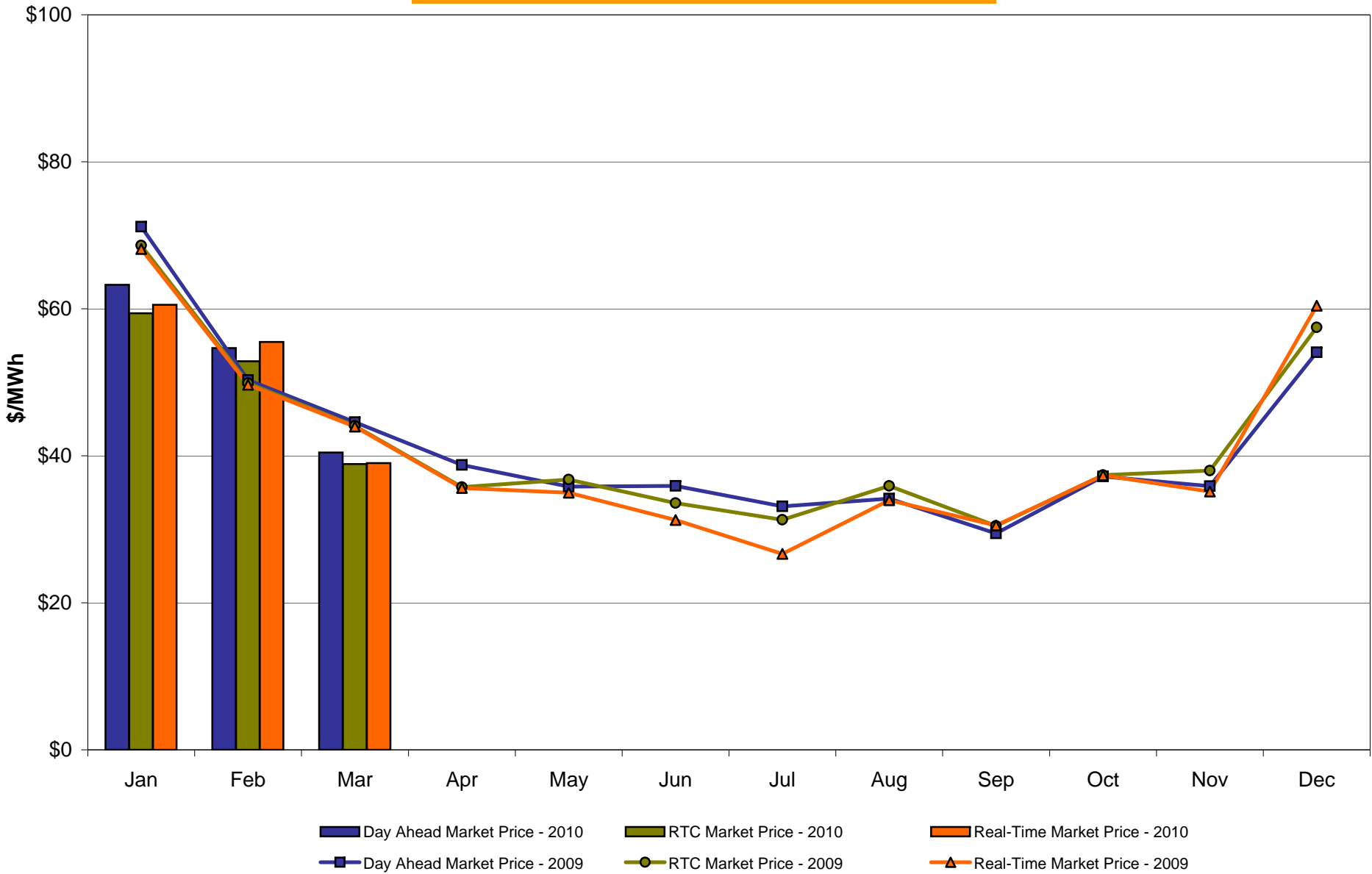
	<u>WEST</u> <u>Zone A</u>	<u>GENESEE</u> <u>Zone B</u>	<u>NORTH</u> <u>Zone D</u>	<u>CENTRAL</u> <u>Zone C</u>	<u>MOHAWK</u> <u>VALLEY</u> <u>Zone E</u>	<u>CAPITAL</u> <u>Zone F</u>	<u>HUDSON</u> <u>VALLEY</u> <u>Zone G</u>	<u>MILLWOOD</u> <u>Zone H</u>	<u>DUNWOODIE</u> <u>Zone I</u>	<u>NEW YORK</u> <u>CITY</u> <u>Zone J</u>	<u>LONG</u> <u>ISLAND</u> <u>Zone K</u>
<b><u>DAY AHEAD LBMP</u></b>											
Unweighted Price *	30.08	30.87	29.93	32.51	33.69	40.46	39.66	39.86	39.91	42.26	46.39
Standard Deviation	4.29	4.63	4.53	4.90	5.32	9.49	8.27	8.38	8.36	10.03	13.32
<b><u>RTC LBMP</u></b>											
Unweighted Price *	30.94	31.85	31.32	33.22	34.41	38.88	39.64	39.83	39.88	40.97	42.94
Standard Deviation	12.55	13.08	13.27	13.58	14.13	16.58	15.93	16.16	16.18	16.78	16.89
<b><u>REAL TIME LBMP</u></b>											
Unweighted Price *	29.70	30.50	29.78	31.87	32.95	39.01	39.61	39.88	39.92	41.72	45.74
Standard Deviation	14.43	15.08	15.51	15.67	16.17	24.13	22.92	23.93	23.98	26.09	29.10
	<u>ONTARIO</u> <u>IESO</u> <u>Zone O</u>	<u>HYDRO</u> <u>QUEBEC</u> <u>(Wheel)</u> <u>Zone M</u>	<u>HYDRO</u> <u>QUEBEC</u> <u>(Import/Export)</u> <u>Zone M</u>	<u>PJM</u> <u>Zone P</u>	<u>NEW</u> <u>ENGLAND</u> <u>Zone N</u>	<u>CROSS</u> <u>SOUND</u> <u>CABLE</u> <u>Controllable</u> <u>Line</u>	<u>NORTHPORT-</u> <u>NORWALK</u> <u>Controllable</u> <u>Line</u>	<u>NEPTUNE</u> <u>Controllable</u> <u>Line</u>			
<b><u>DAY AHEAD LBMP</u></b>											
Unweighted Price *	28.93	30.08	29.96	36.67	39.87	45.69	42.54	43.68			
Standard Deviation	3.77	4.26	4.20	6.68	8.61	13.11	11.91	11.17			
<b><u>RTC LBMP</u></b>											
Unweighted Price *	28.81	30.38	29.48	35.34	36.41	40.31	40.12	39.39			
Standard Deviation	5.09	5.92	6.23	6.30	6.67	9.45	9.36	8.43			
<b><u>REAL TIME LBMP</u></b>											
Unweighted Price *	28.75	29.87	28.73	35.13	39.06	44.54	44.09	43.14			
Standard Deviation	13.58	15.32	14.55	18.03	22.00	27.19	26.73	25.66			

\* Straight LBMP averages

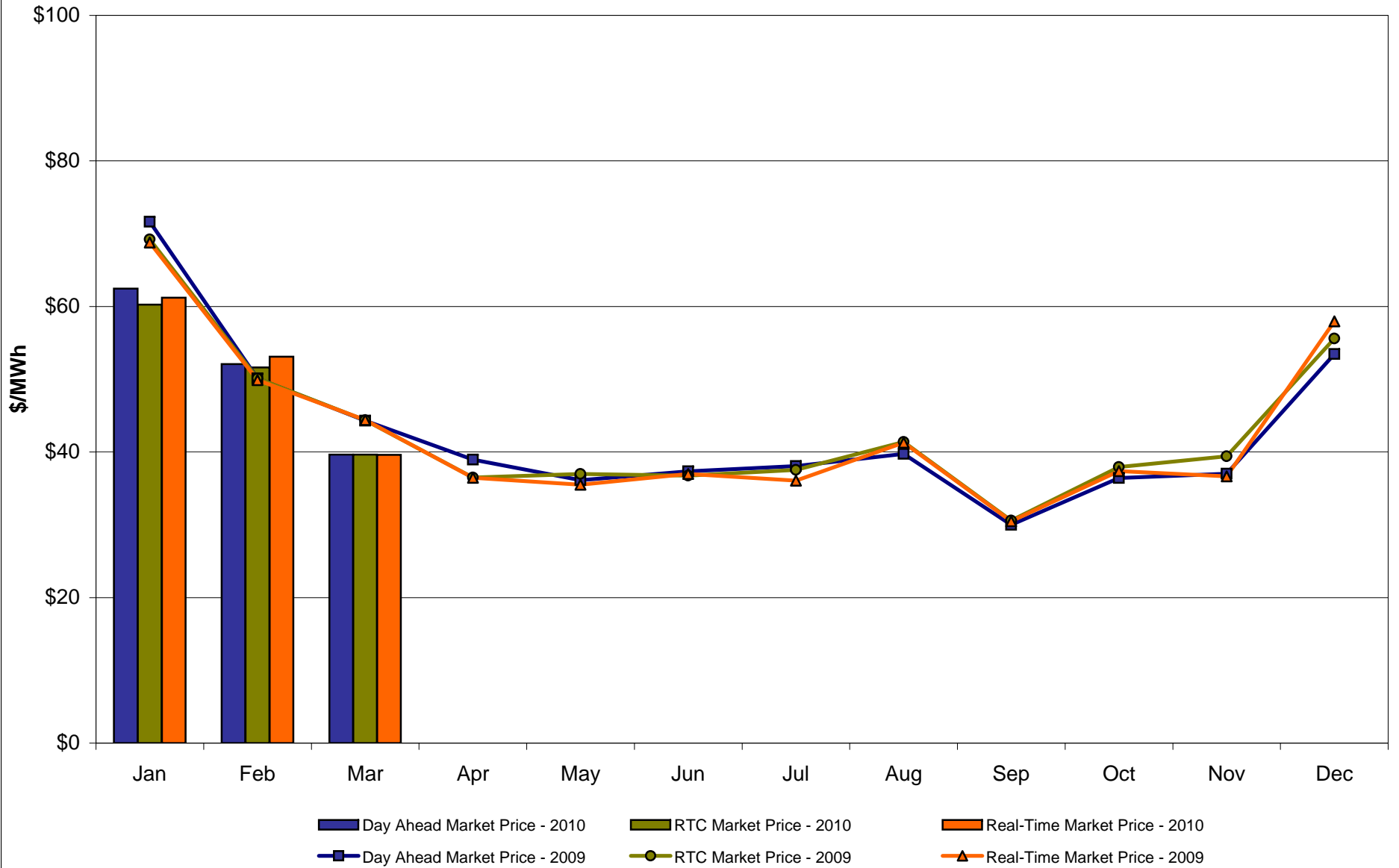
## West Zone A Monthly Average LBMP Prices 2009 - 2010



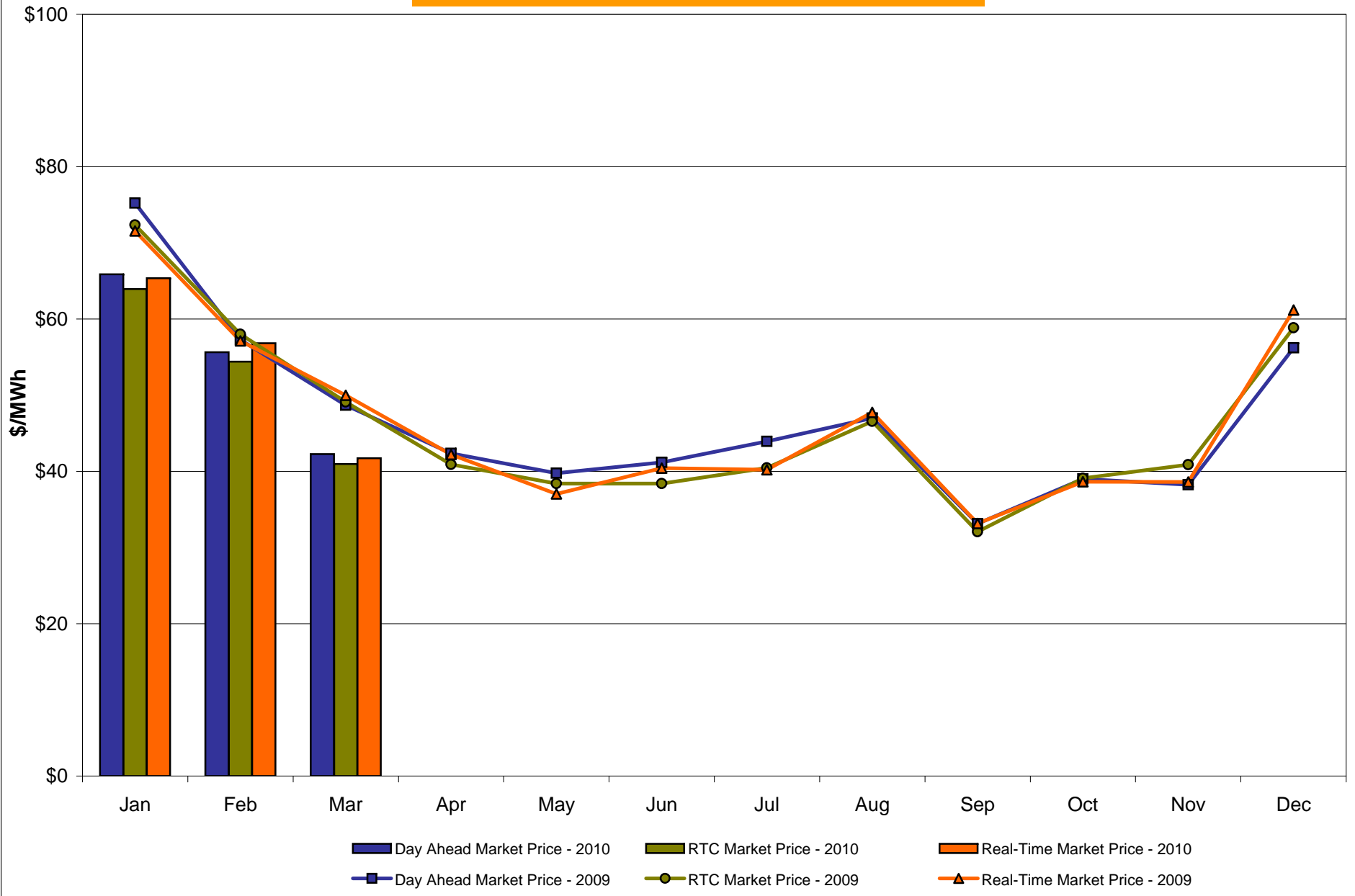
## Capital Zone F Monthly Average LBMP Prices 2009 - 2010



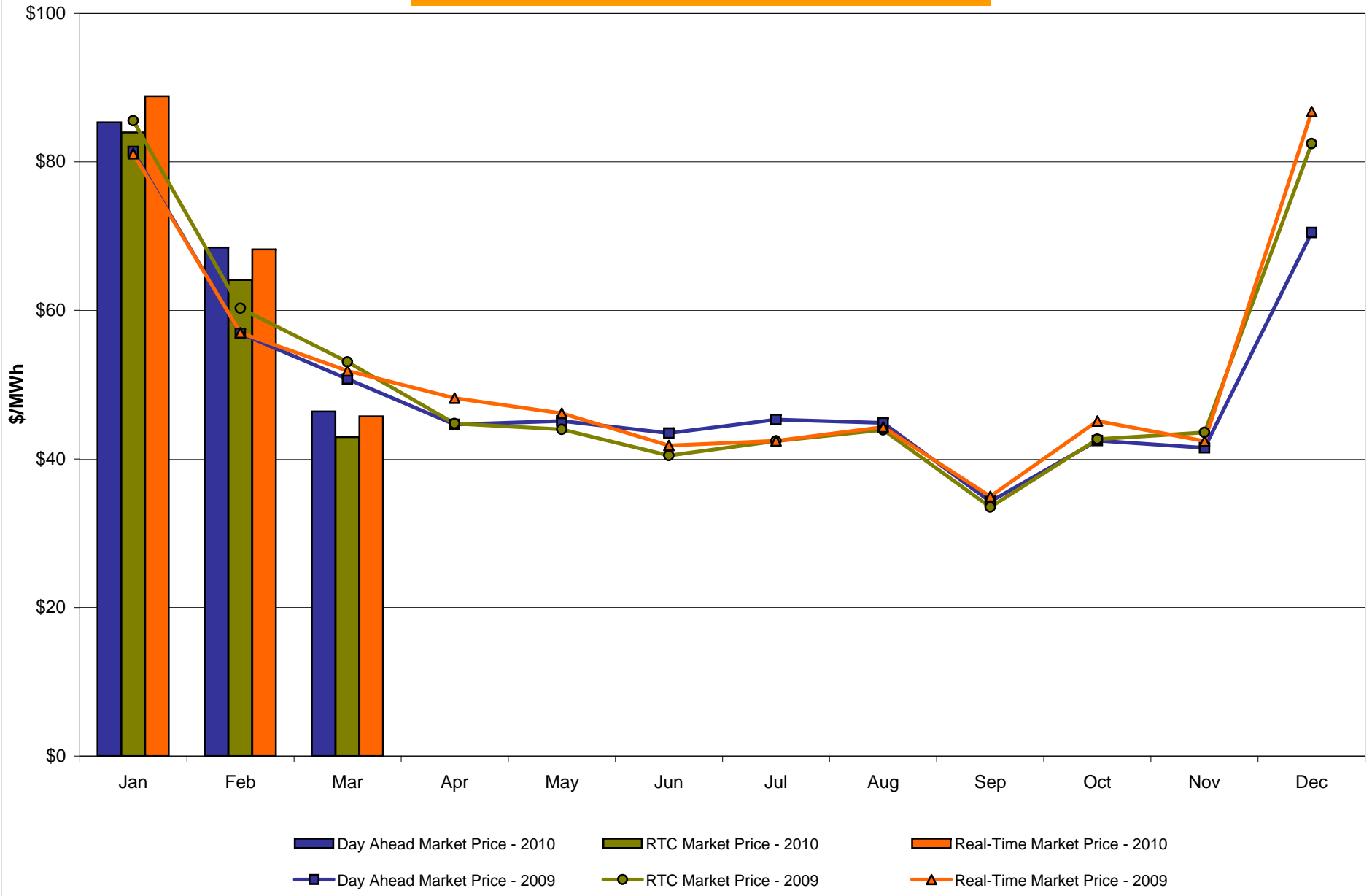
## Hudson Valley Zone G Monthly Average LBMP Prices 2009 - 2010



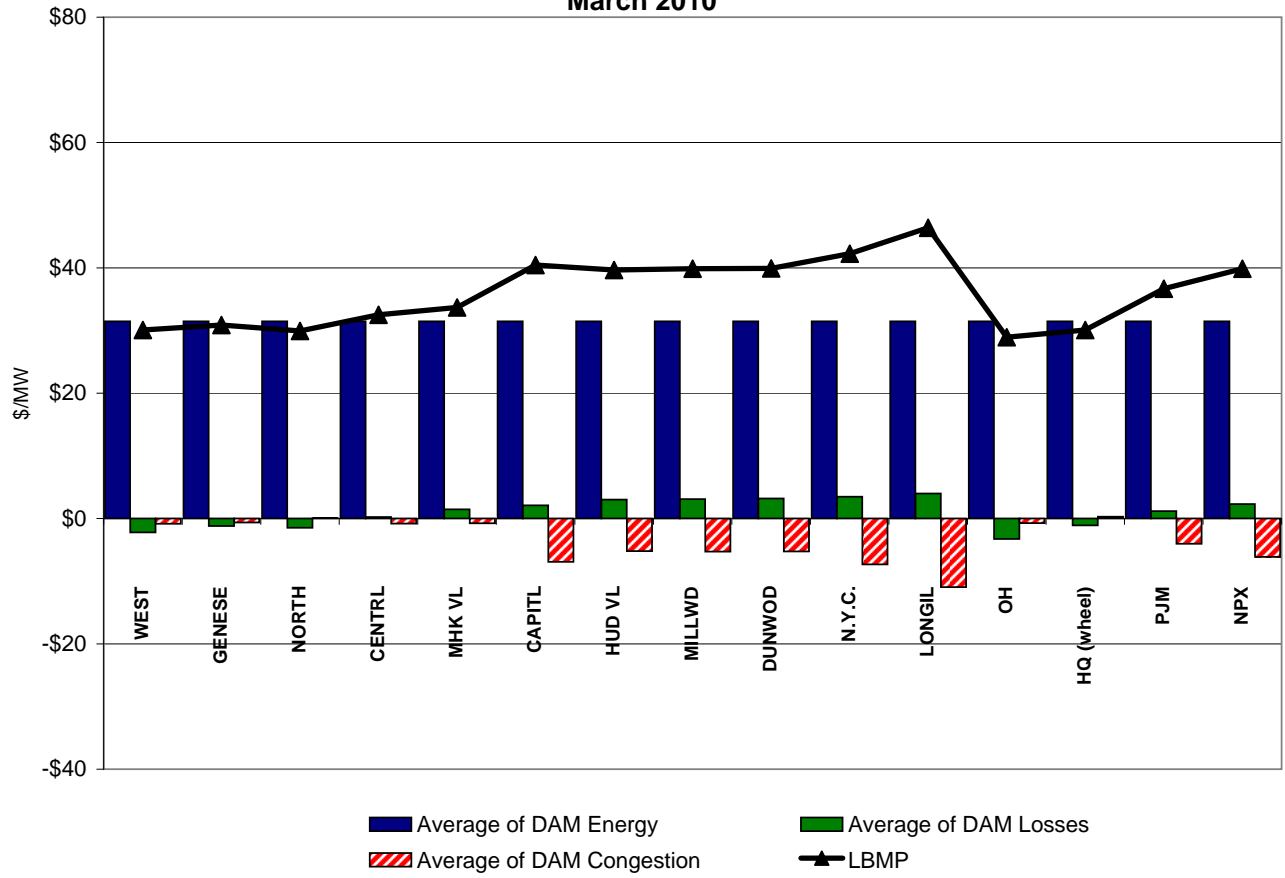
## NYC Zone J Monthly Average LBMP Prices 2009 - 2010



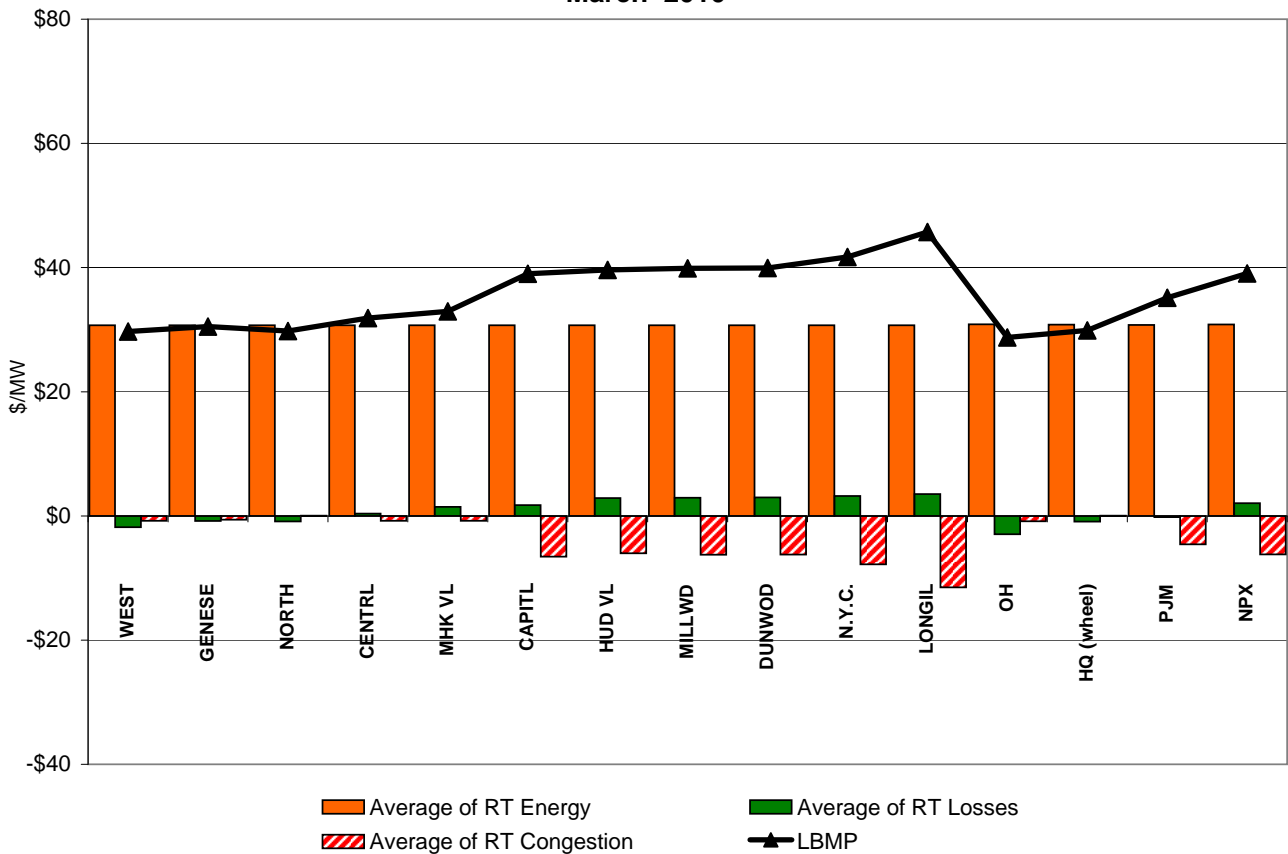
## Long Island Zone K Monthly Average LBMP Prices 2009 - 2010



**DAM Zonal Unweighted Monthly Average LBMP Components  
March 2010**



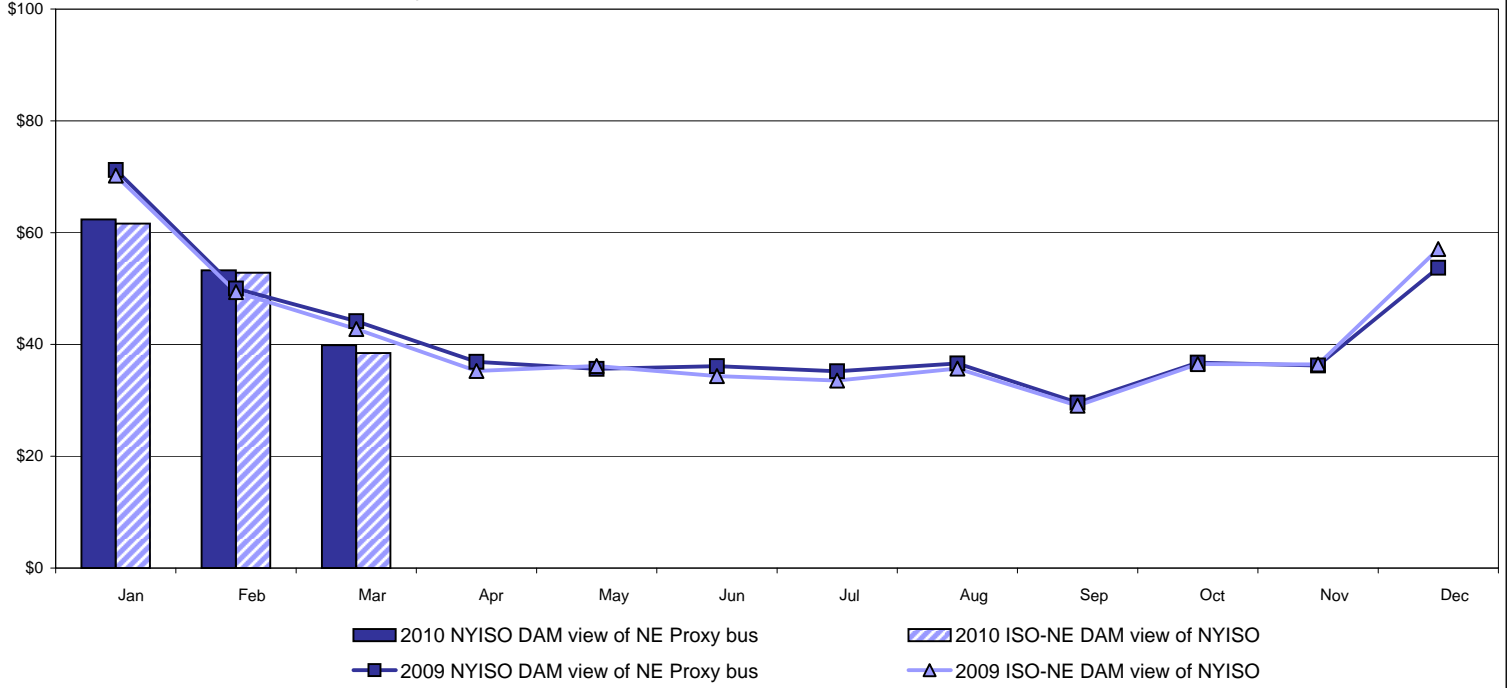
**RT Zonal Unweighted Monthly Average LBMP Components  
March 2010**



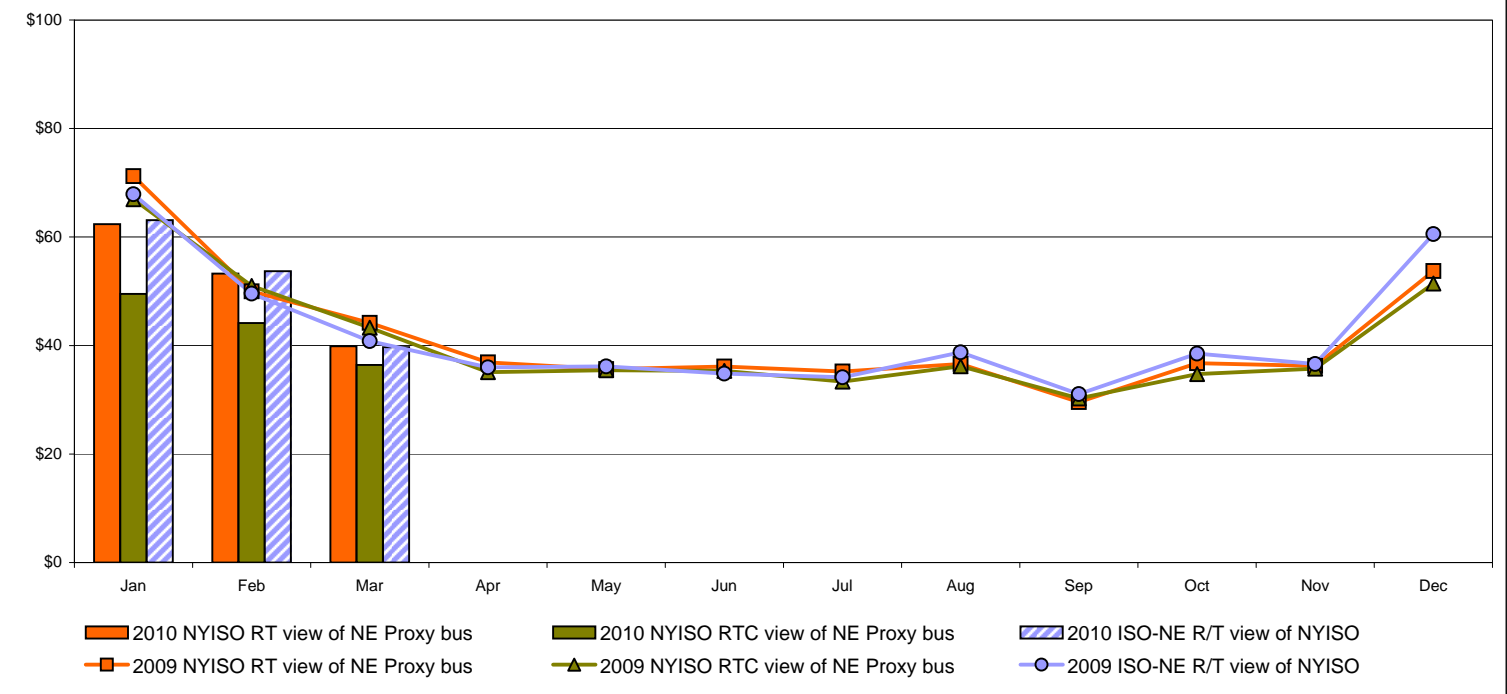


# External Comparison ISO-New England

## Day Ahead Market External Zone Comparison: ISO-NE (\$/MWh)

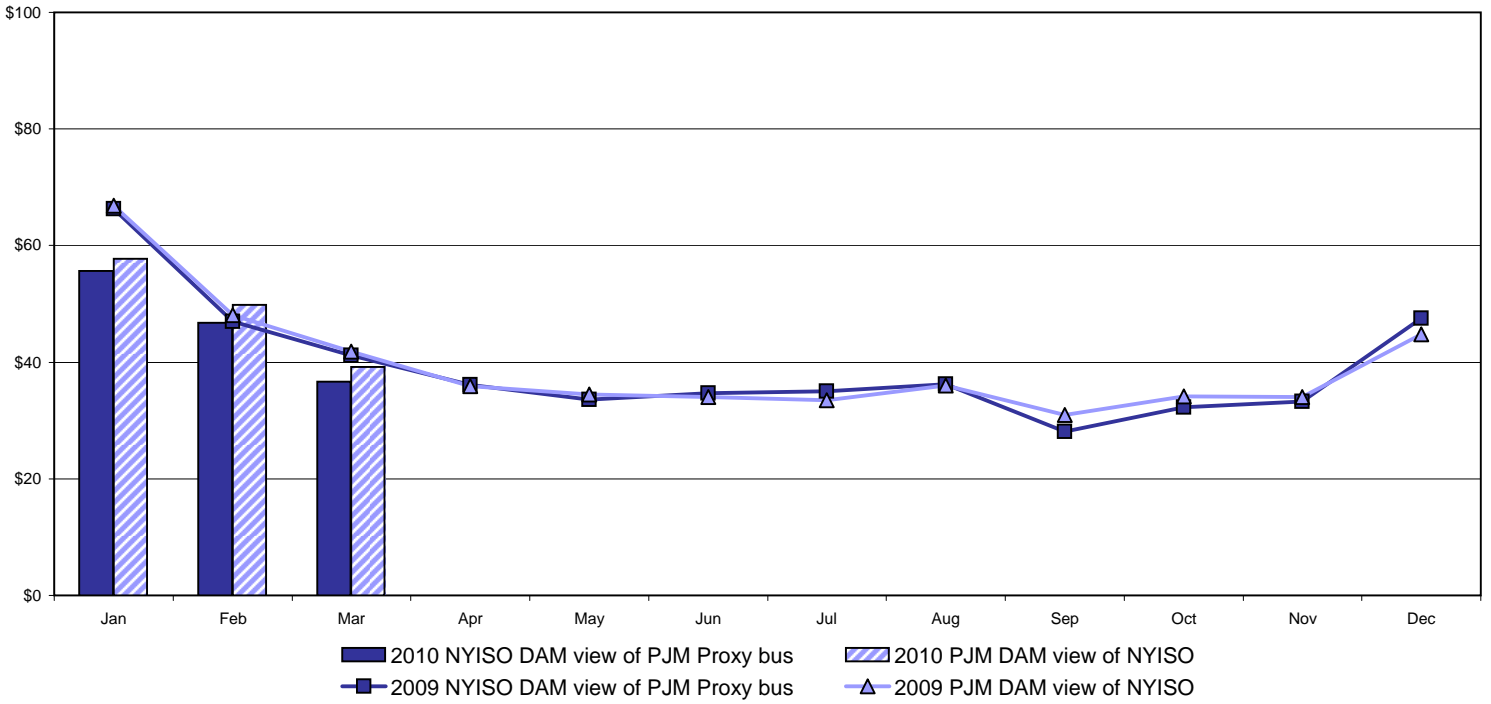


## Real Time Market External Zone Comparison: ISO-NE (\$/MWh)

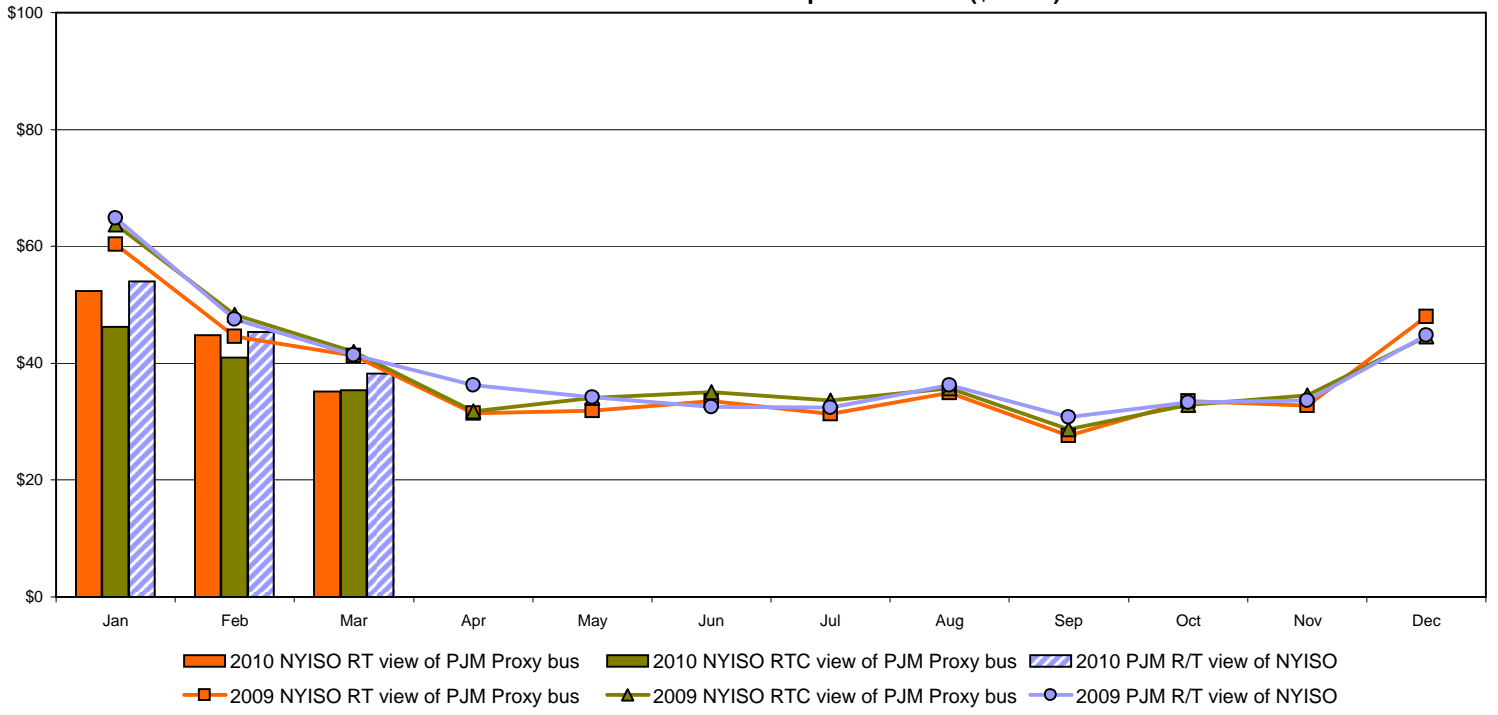


# External Comparison PJM

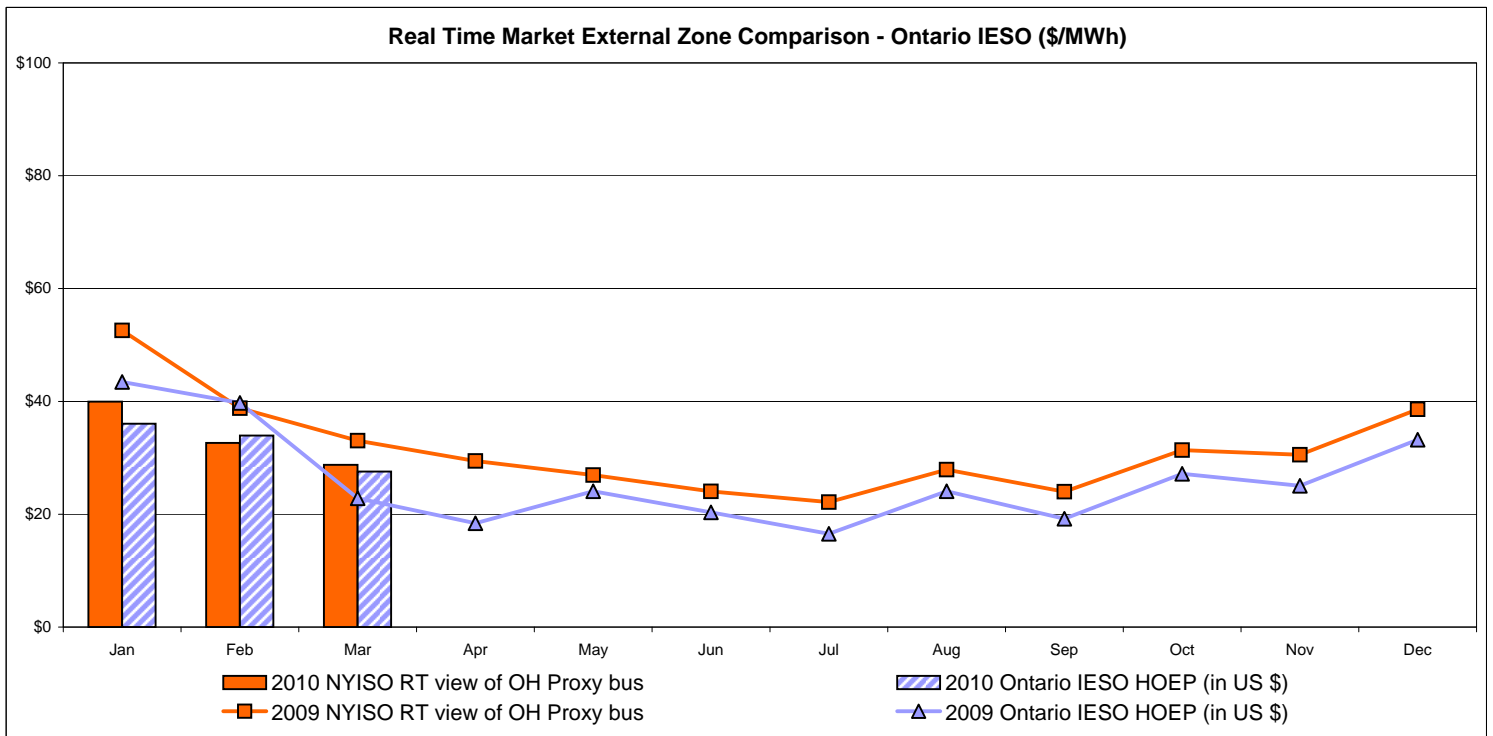
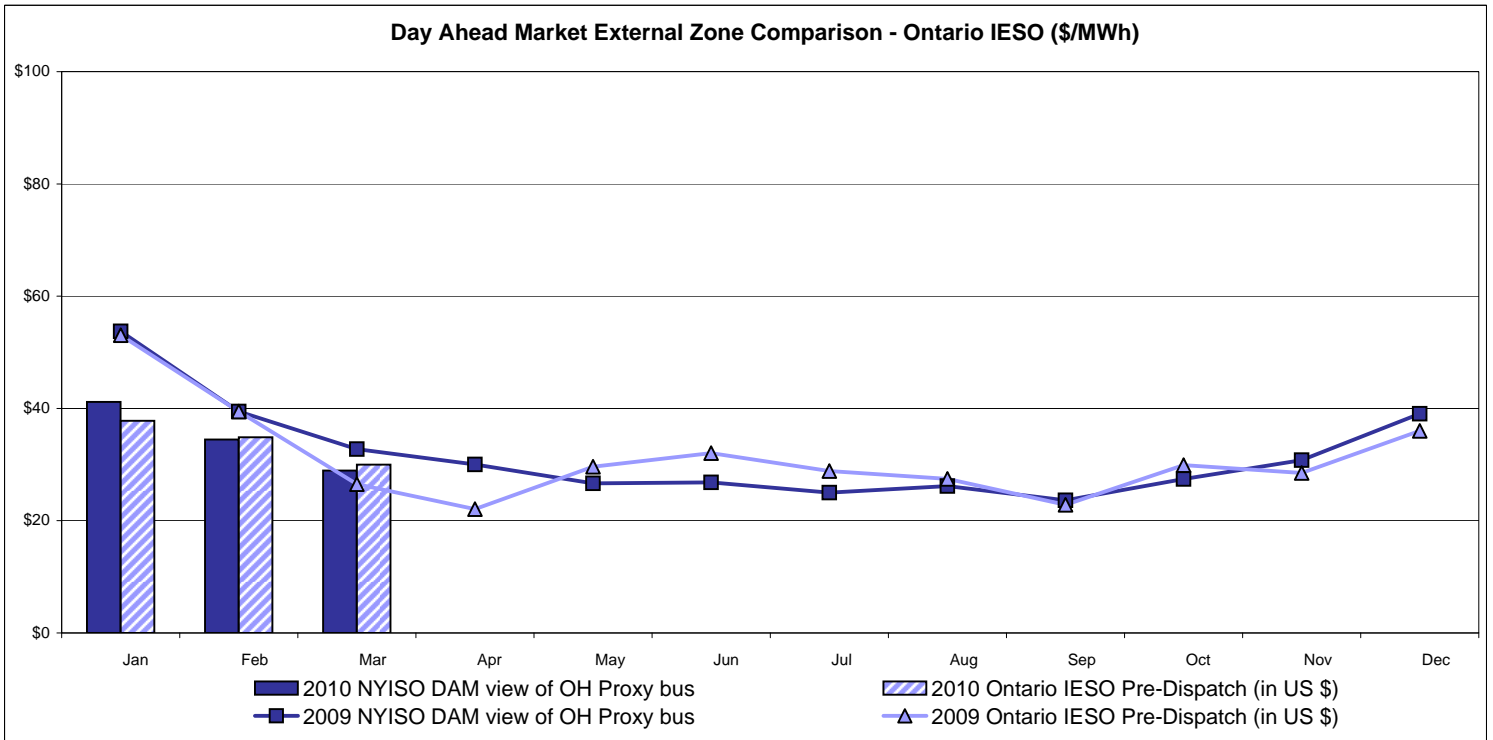
## Day Ahead Market External Zone Comparison - PJM (\$/MWh)



## Real Time Market External Zone Comparison - PJM (\$/MWh)

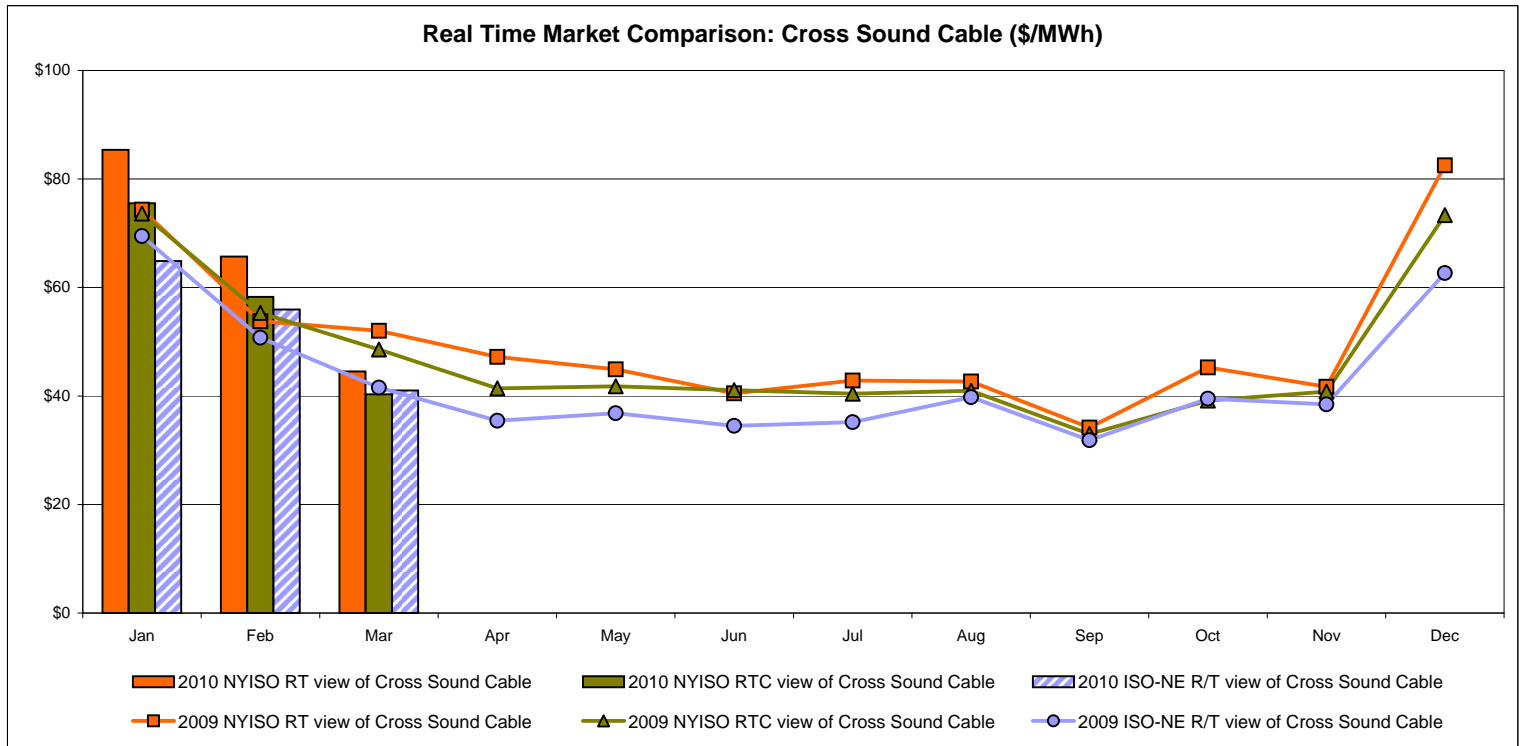
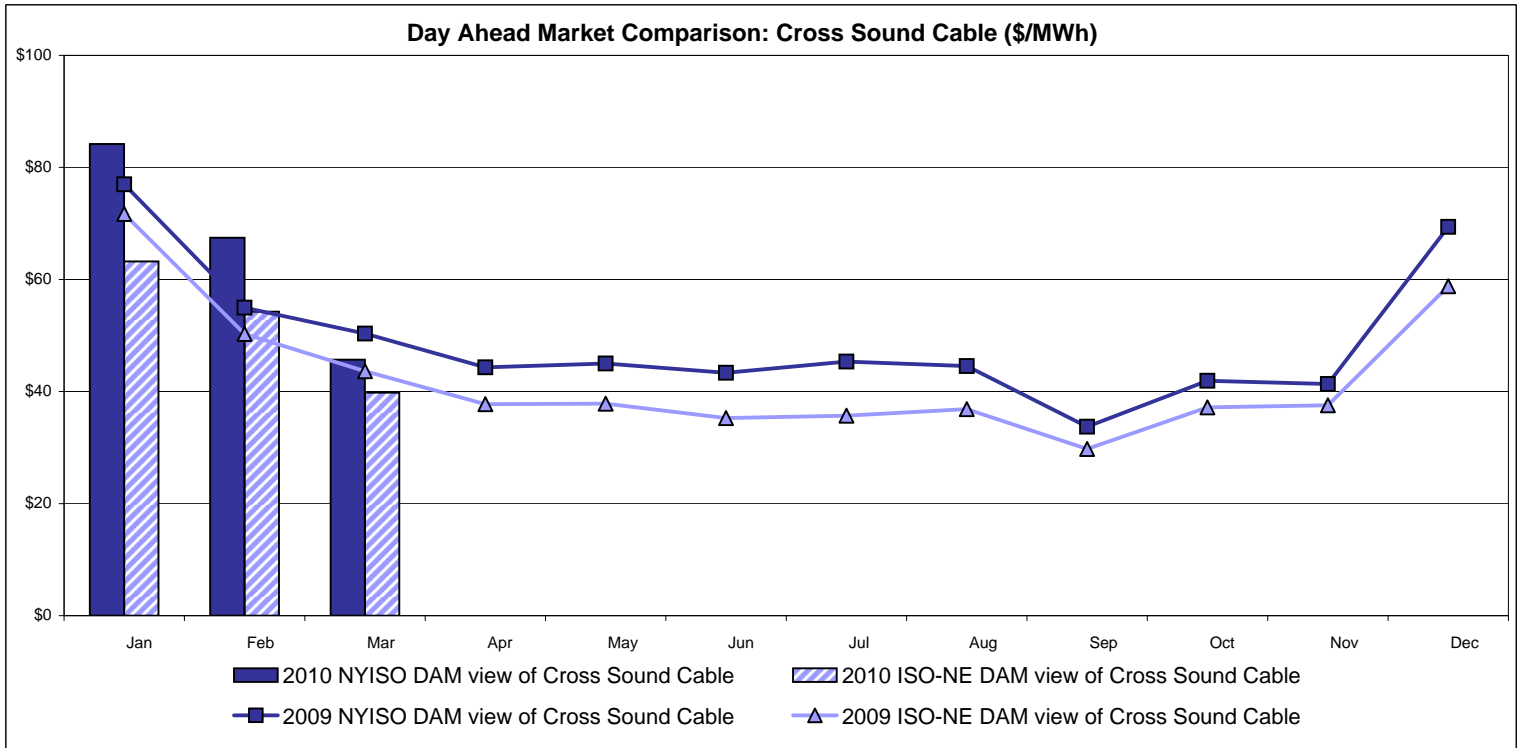


# External Comparison Ontario IESO



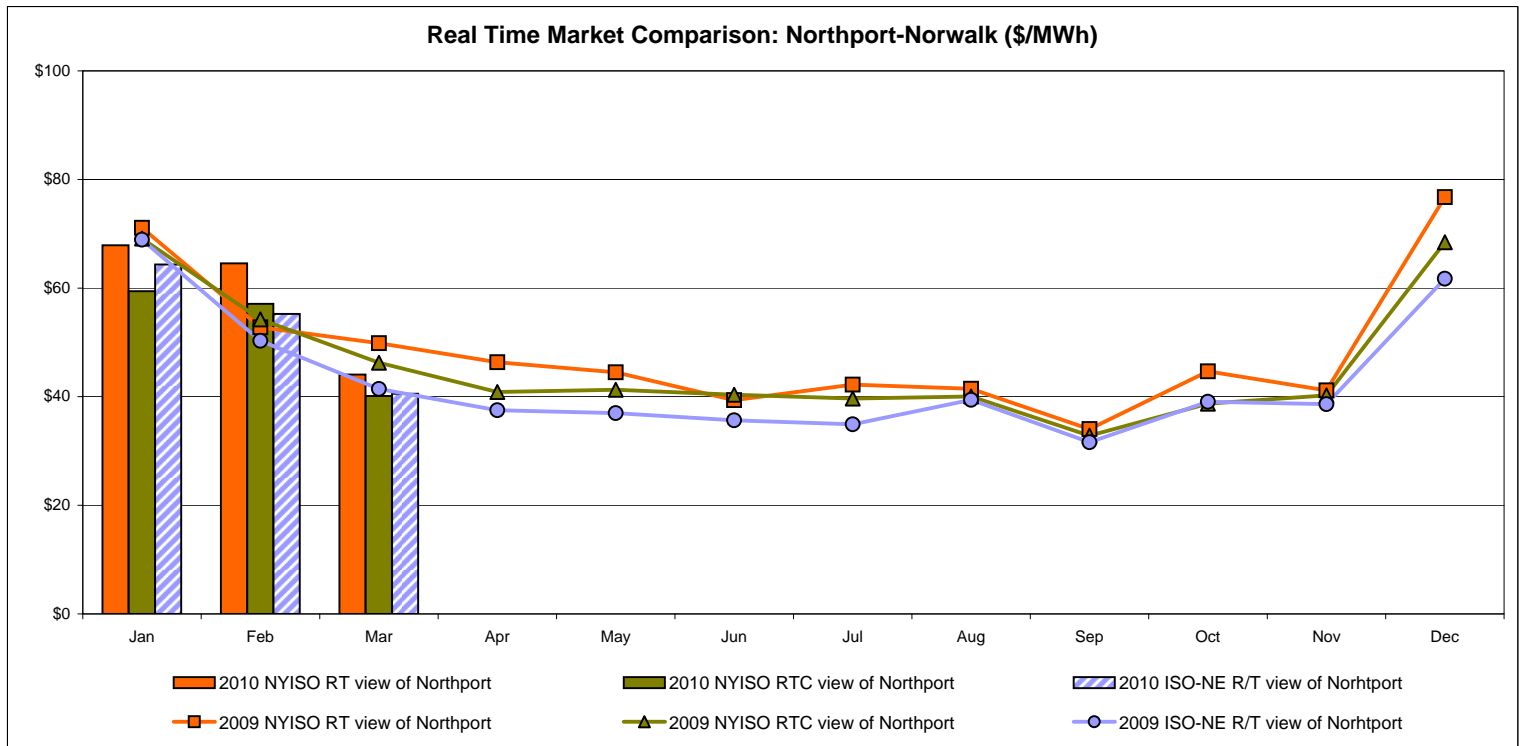
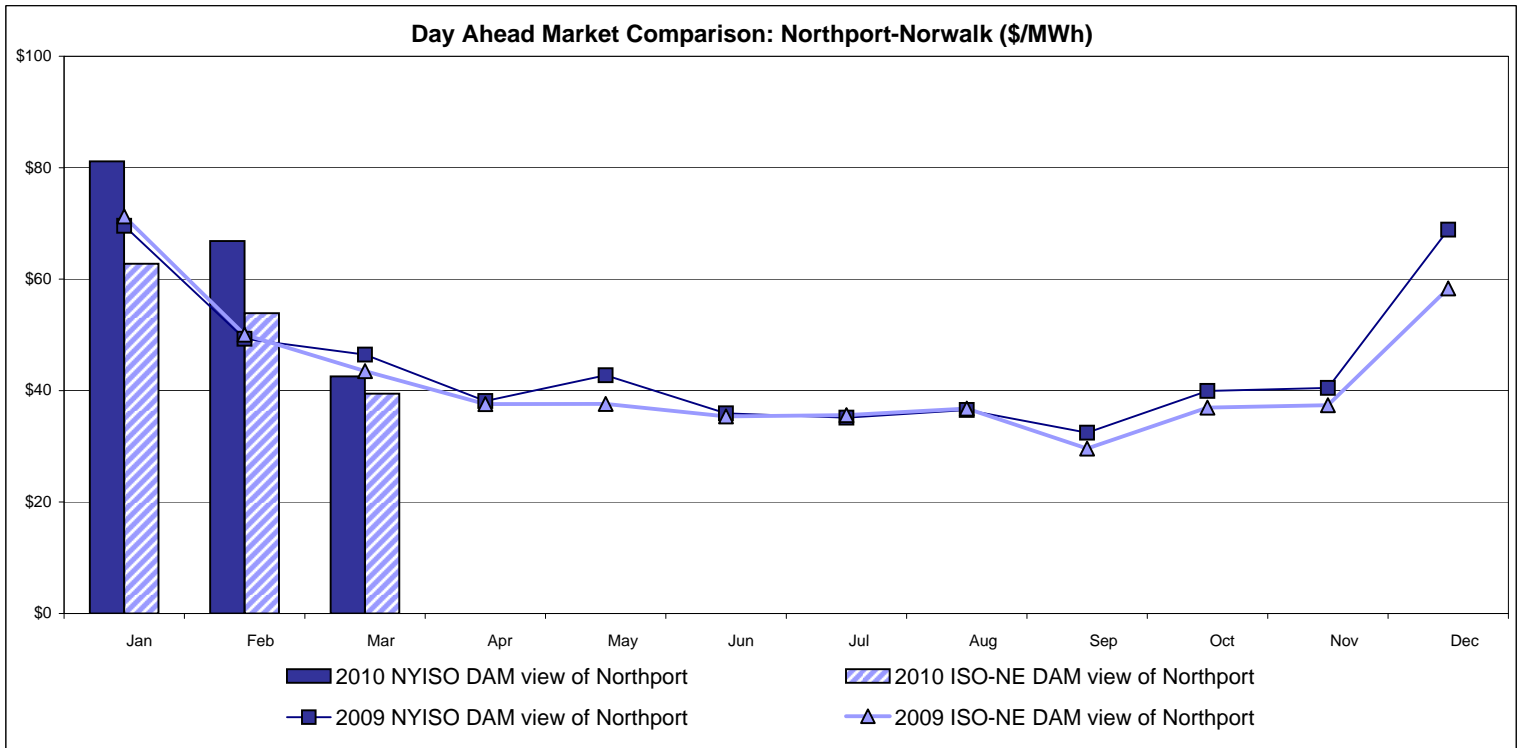
Notes: Exchange factor used for March 2010 was 0.98 to US \$  
 HOEP: Hourly Ontario Energy Price  
 Pre-Dispatch: Projected Energy Price

# External Controllable Line: Cross Sound Cable (New England)



Note:  
 ISO-NE Forecast is an advisory posting @ 18:00 day before.  
 The DAM and R/T prices at the Shorham138 99 interface are used for ISO-NE.  
 The DAM and R/T prices at the CSC interface are used for NYISO.

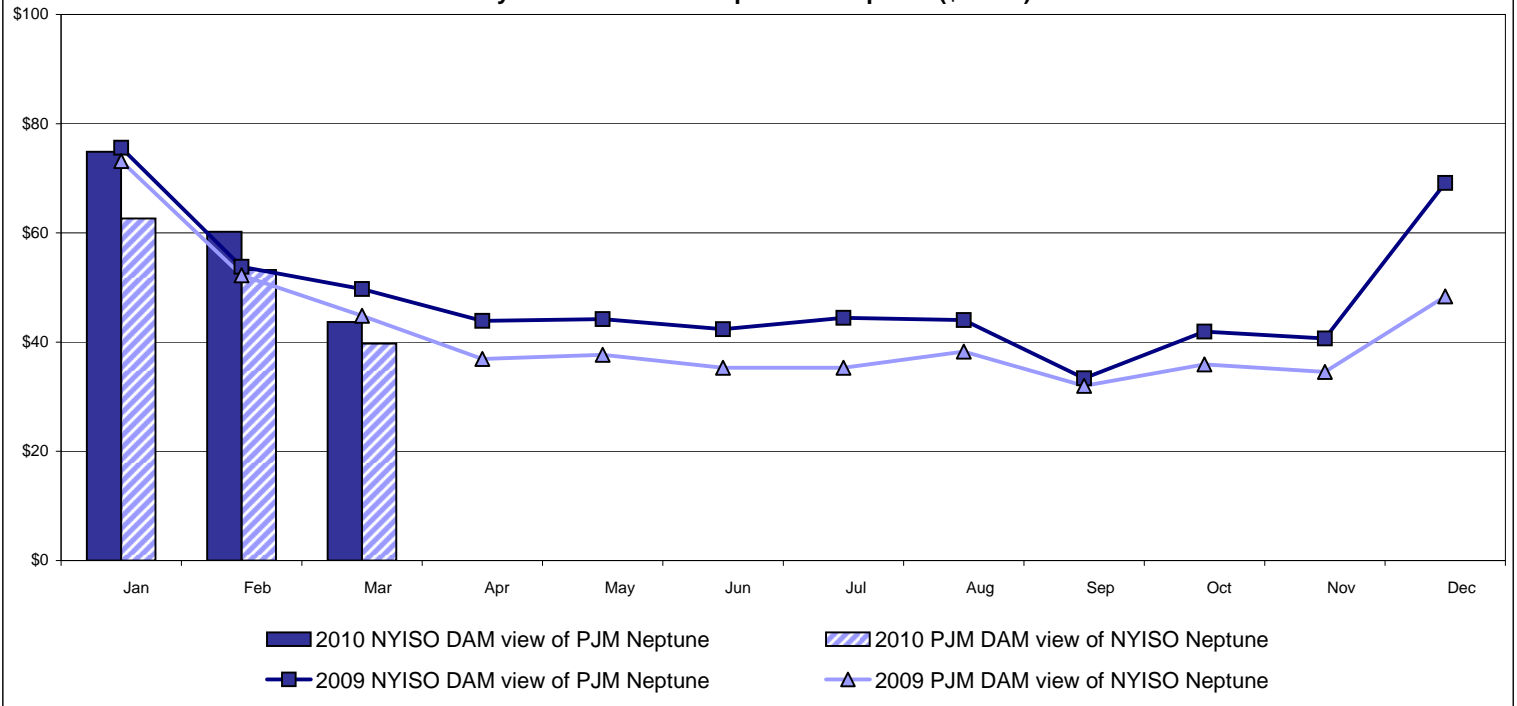
# External Controllable Line: Northport - Norwalk (New England)



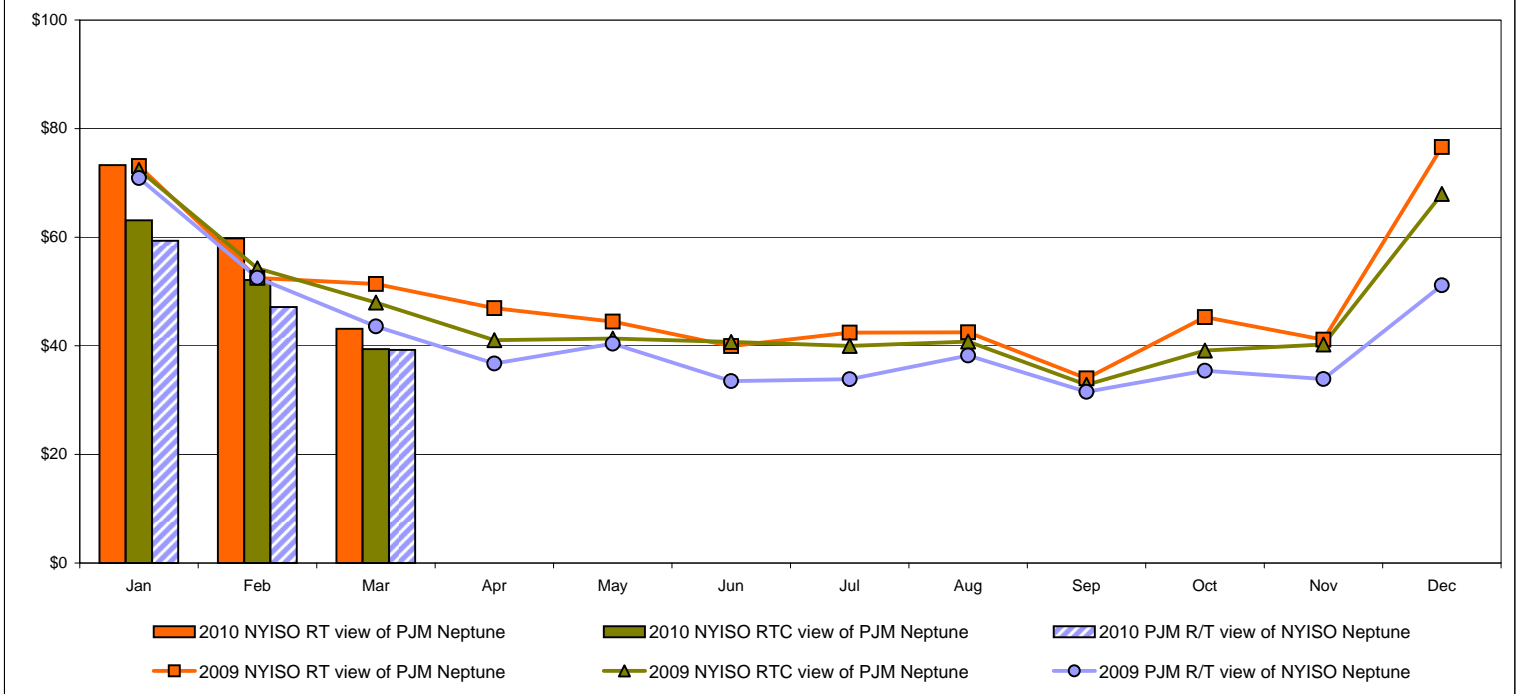
Note:  
 ISO-NE Forecast is an advisory posting @ 18:00 day before.  
 The DAM and R/T prices at the Northport 138 interface are used for ISO-NE.  
 The DAM and R/T prices at the 1385 interface are used for NYISO.

## External Controllable Line: Neptune (PJM)

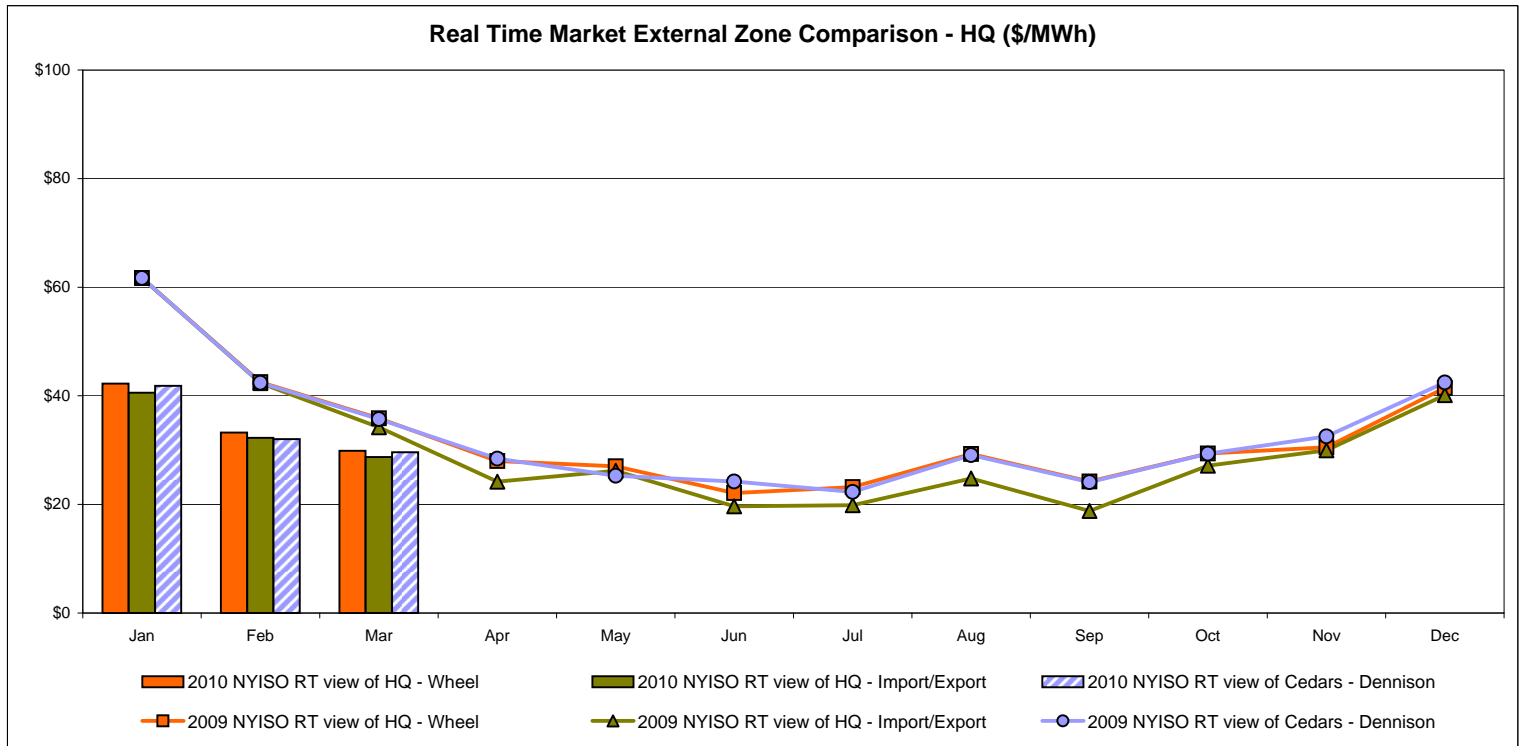
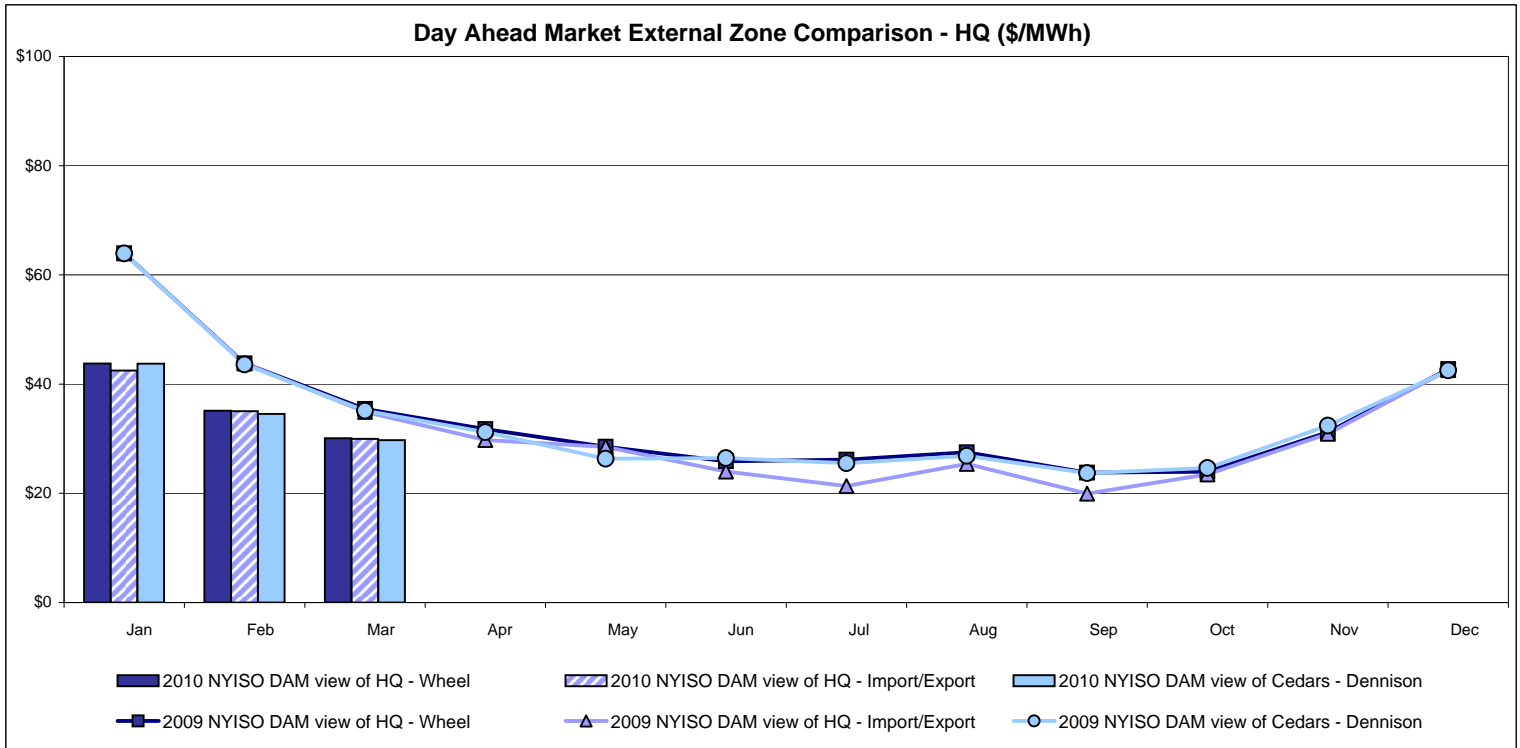
**Day Ahead Market Comparison: Neptune (\$/MWh)**



**Real Time Market Comparison: Neptune (\$/MWh)**



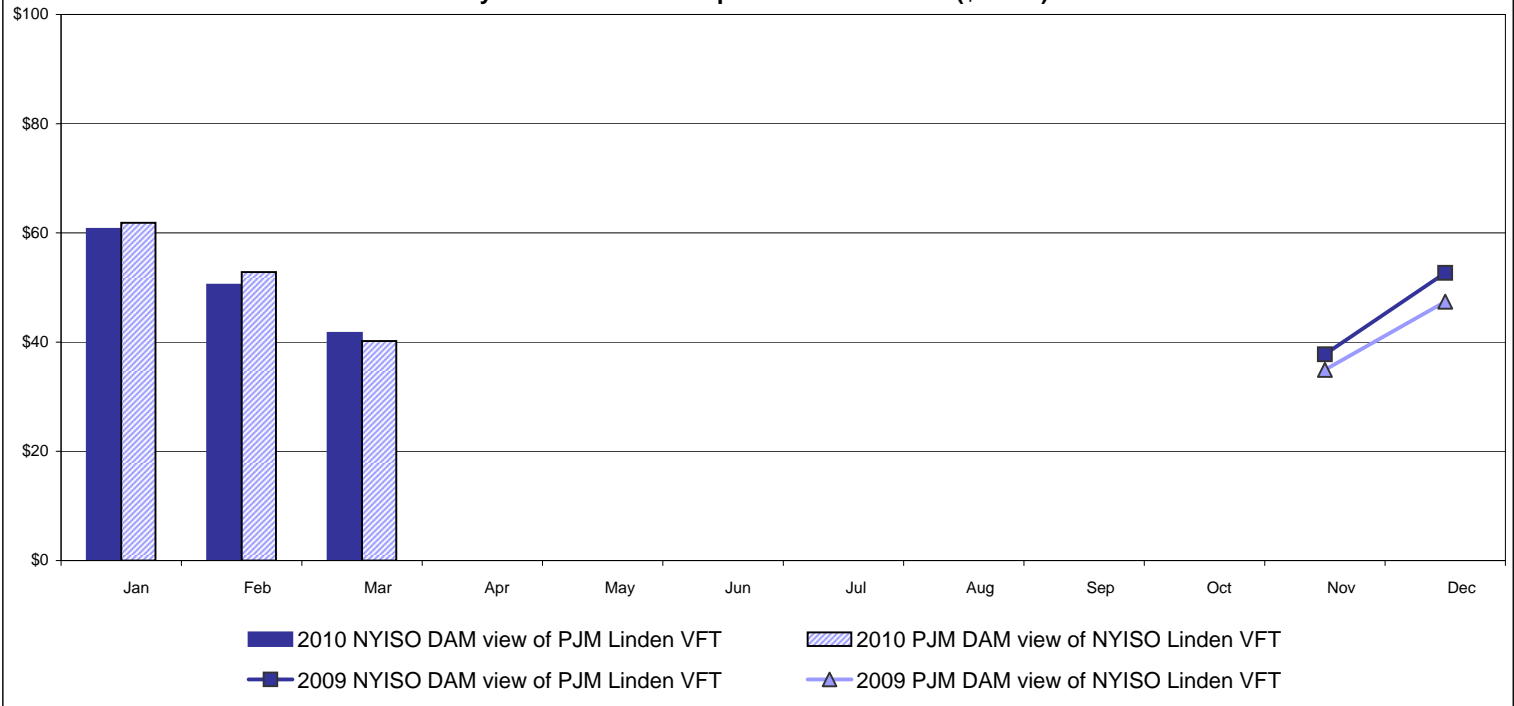
# External Comparison Hydro-Quebec



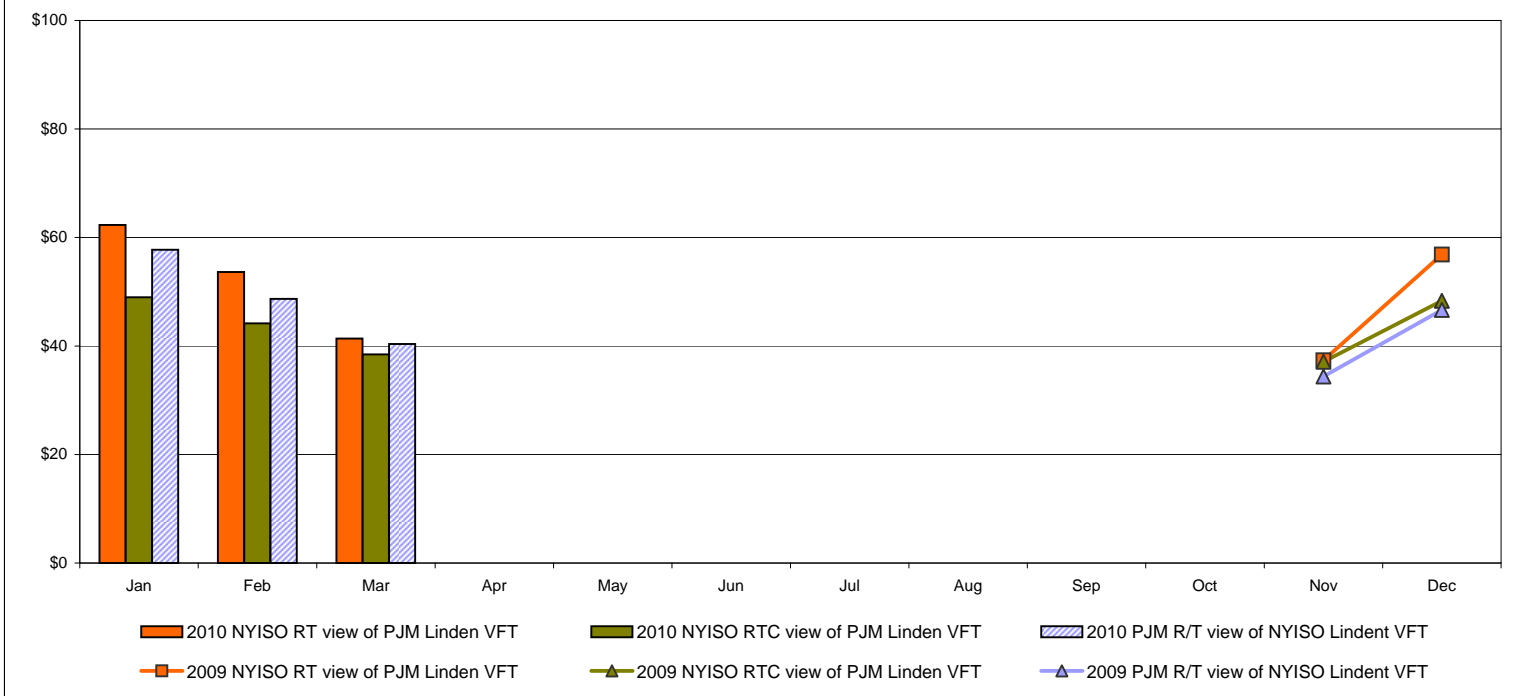
Note:  
 Hydro-Quebec Prices are unavailable.  
 Dennison Scheduled Line Data available beginning 10/1/2008.

## External Controllable Line: Linden VFT (PJM)

**Day Ahead Market Comparison: Linden VFT (\$/MWh)**



**Real Time Market Comparison: Linden VFT (\$/MWh)**



Note  
Linden VFT Scheduled Line Data available beginning 11/1/2009.

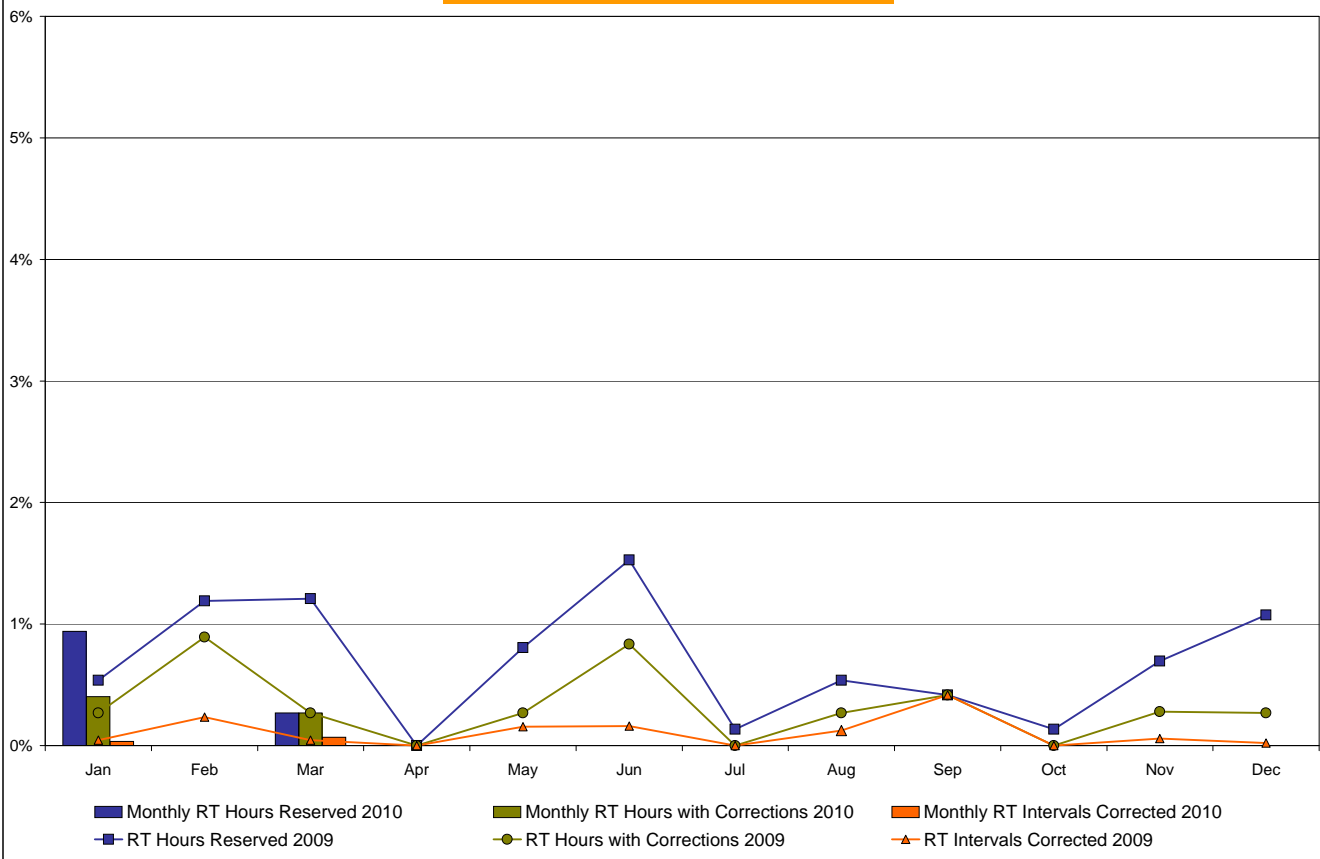


**NYISO Real Time Price Correction Statistics**

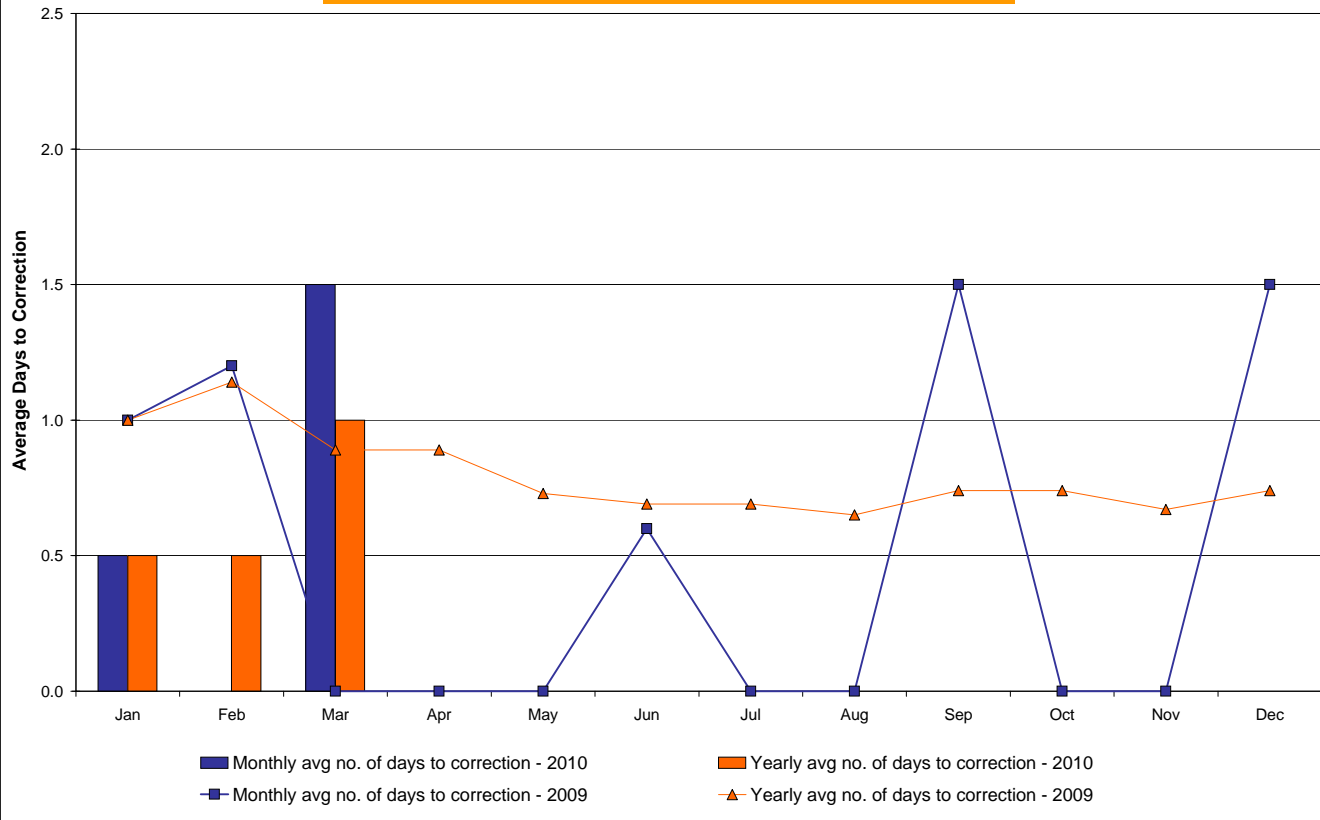
<b>2010</b>		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<b>Hour Corrections</b>													
Number of hours with corrections	in the month	3	0	2									
Number of hours	in the month	744	672	744									
% of hours with corrections	in the month	0.40%	0.00%	0.27%									
% of hours with corrections	year-to-date	0.40%	0.21%	0.23%									
<b>Interval Corrections</b>													
Number of intervals corrected	in the month	3	0	6									
Number of intervals	in the month	8,934	8,057	8,913									
% of intervals corrected	in the month	0.03%	0.00%	0.07%									
% of intervals corrected	year-to-date	0.03%	0.02%	0.03%									
<b>Hours Reserved</b>													
Number of hours reserved	in the month	7	0	2									
Number of hours	in the month	744	672	744									
% of hours reserved	in the month	0.94%	0.00%	0.27%									
% of hours reserved	year-to-date	0.94%	0.49%	0.42%									
<b>Days to Correction *</b>													
Avg. number of days to correction	in the month	0.50	0.00	1.50									
Avg. number of days to correction	year-to-date	0.50	0.50	1.00									
<b>Days Without Corrections</b>													
Days without corrections	in the month	29	28	29									
Days without corrections	year-to-date	29	57	86									
<b>2009</b>													
		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<b>Hour Corrections</b>													
Number of hours with corrections	in the month	2	6	2	0	2	6	0	2	3	0	2	2
Number of hours	in the month	744	672	744	720	744	720	744	744	720	744	720	744
% of hours with corrections	in the month	0.27%	0.89%	0.27%	0.00%	0.27%	0.83%	0.00%	0.27%	0.42%	0.00%	0.28%	0.27%
% of hours with corrections	year-to-date	0.27%	0.56%	0.46%	0.35%	0.33%	0.41%	0.35%	0.34%	0.35%	0.32%	0.31%	0.31%
<b>Interval Corrections</b>													
Number of intervals corrected	in the month	4	19	4	0	14	14	0	11**	36	0	5	2
Number of intervals	in the month	8,966	8,082	8,933	8,639	8,941	8,655	8,947	8,910	8,656	8,933	8,632	8,941
% of intervals corrected	in the month	0.04%	0.24%	0.04%	0.00%	0.16%	0.16%	0.00%	0.12%	0.42%	0.00%	0.06%	0.02%
% of intervals corrected	year-to-date	0.04%	0.13%	0.10%	0.08%	0.09%	0.11%	0.09%	0.09%	0.13%	0.12%	0.11%	0.10%
<b>Hours Reserved</b>													
Number of hours reserved	in the month	4	8	9	0	6	11	1	4	3	1	5	8
Number of hours	in the month	744	672	744	720	744	720	744	744	720	744	720	744
% of hours reserved	in the month	0.54%	1.19%	1.21%	0.00%	0.81%	1.53%	0.13%	0.54%	0.42%	0.13%	0.69%	1.08%
% of hours reserved	year-to-date	0.54%	0.85%	0.97%	0.73%	0.75%	0.87%	0.77%	0.74%	0.70%	0.64%	0.65%	0.68%
<b>Days to Correction *</b>													
Avg. number of days to correction	in the month	1.00	1.20	0.00	0.00	0.00	0.60	0.00	0.00	1.50	0.00	0.00	1.50
Avg. number of days to correction	year-to-date	1.00	1.14	0.89	0.89	0.73	0.69	0.69	0.65	0.74	0.74	0.67	0.74
<b>Days Without Corrections</b>													
Days without corrections	in the month	29	23	29	30	29	25	31	30	28	31	28	29
Days without corrections	year-to-date	29	52	81	111	140	165	196	226	254	285	313	342

\* Calendar days from reservation date.

### Percentage of Real-Time Corrections

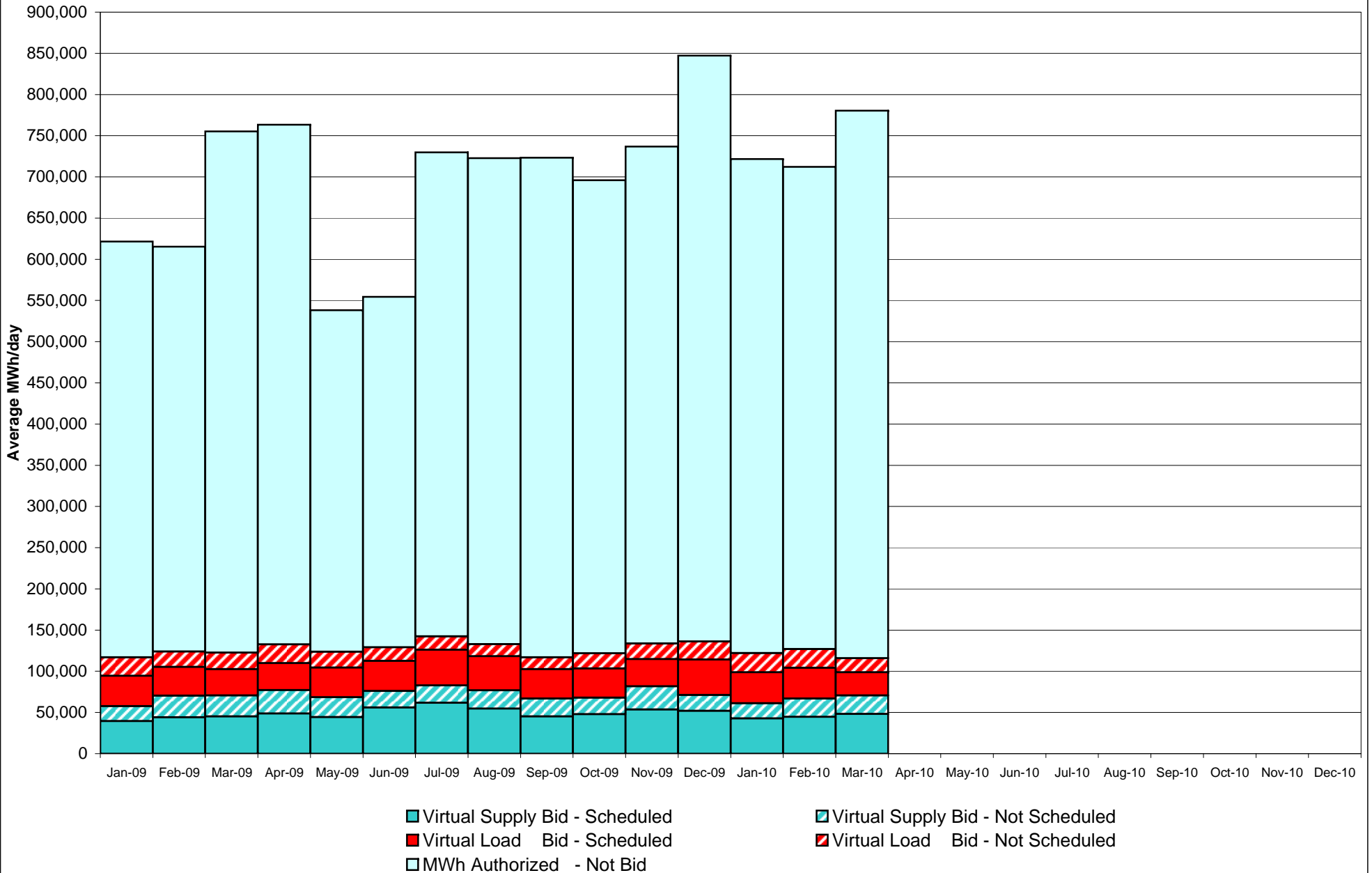


### Annual average time period for making Price Corrections (from reservation date) \*

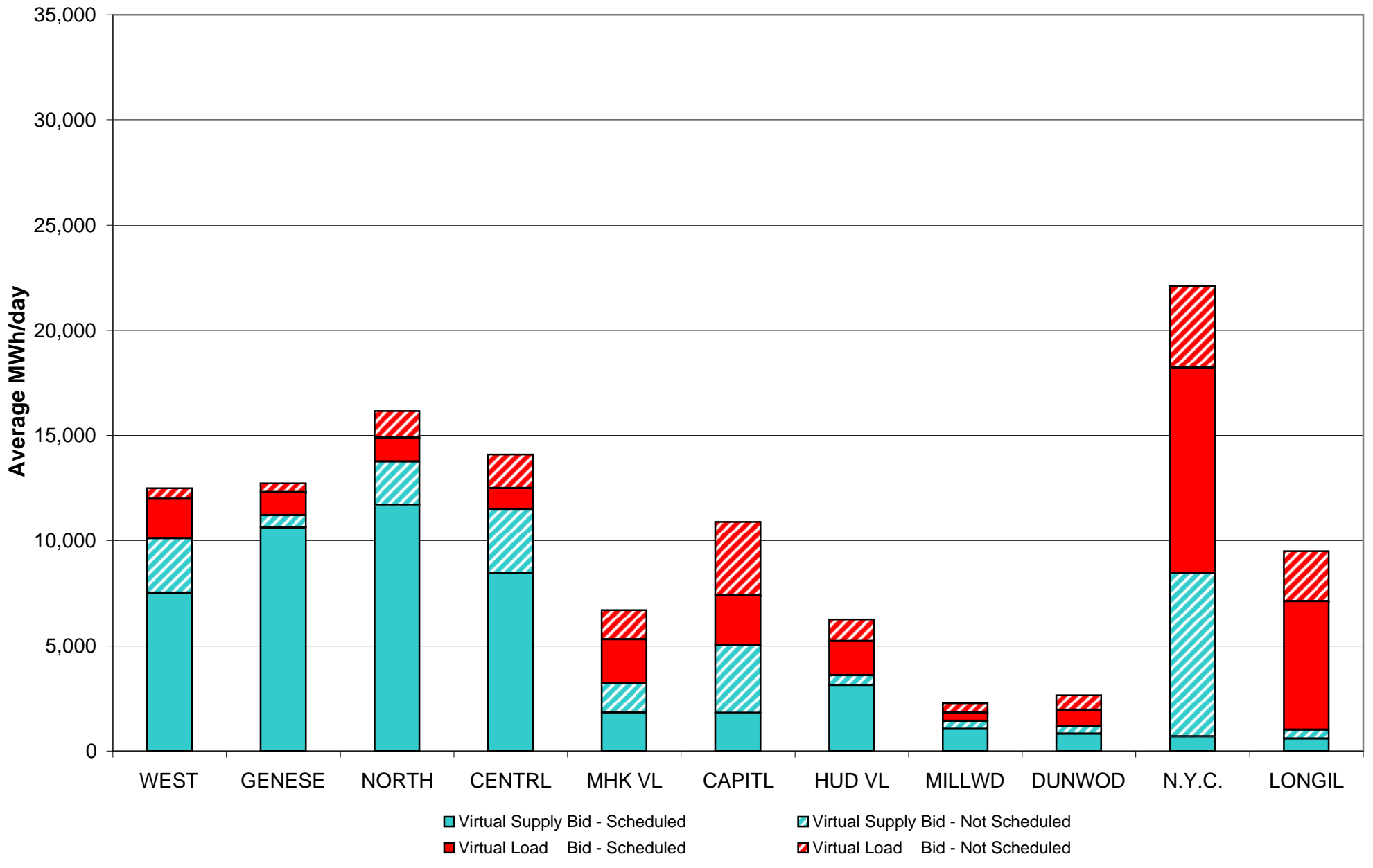


\* Calendar days from reservation date.

**NYISO Virtual Trading  
Average MWh per day**



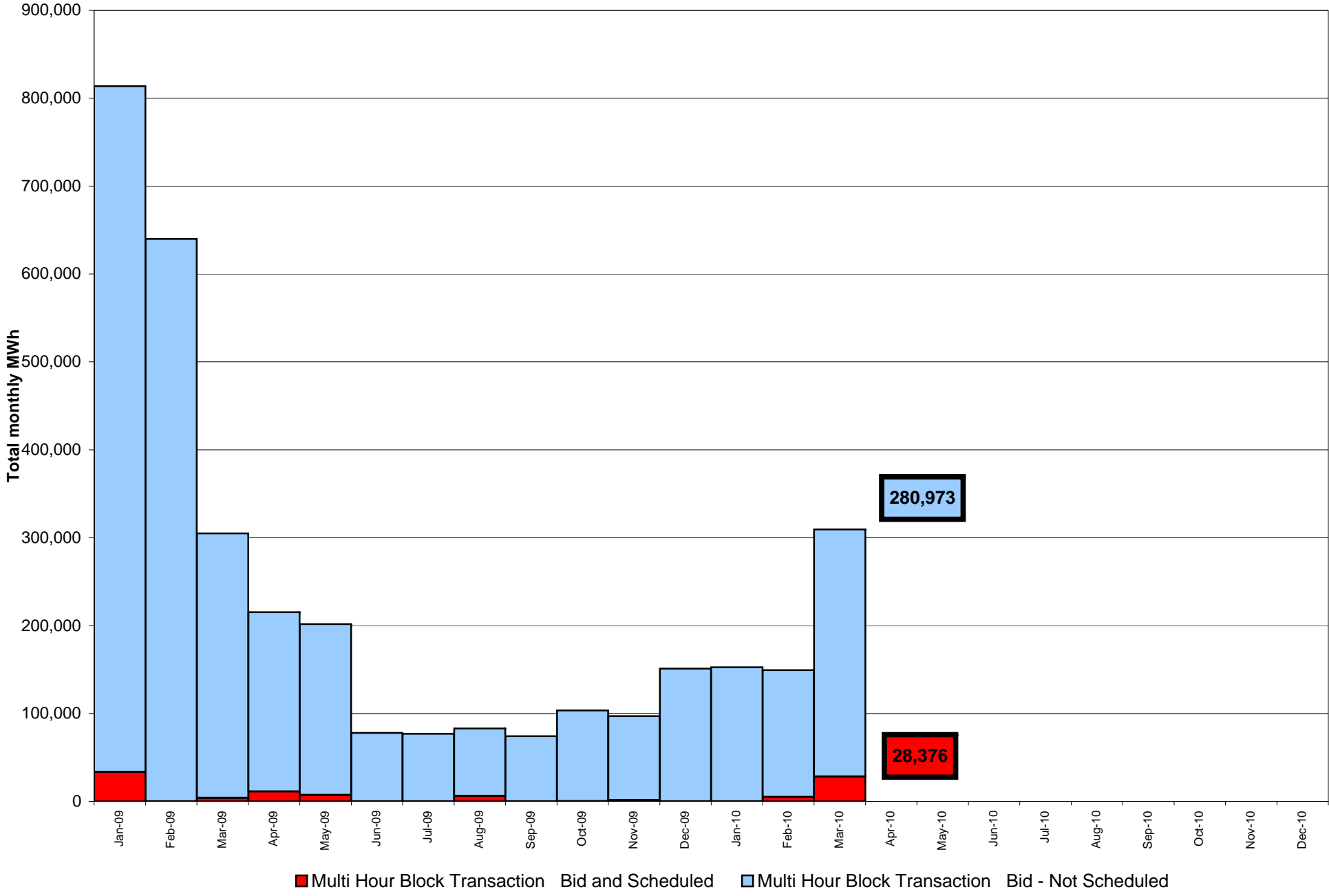
## Virtual Load and Supply Zonal Statistics through March 31, 2010



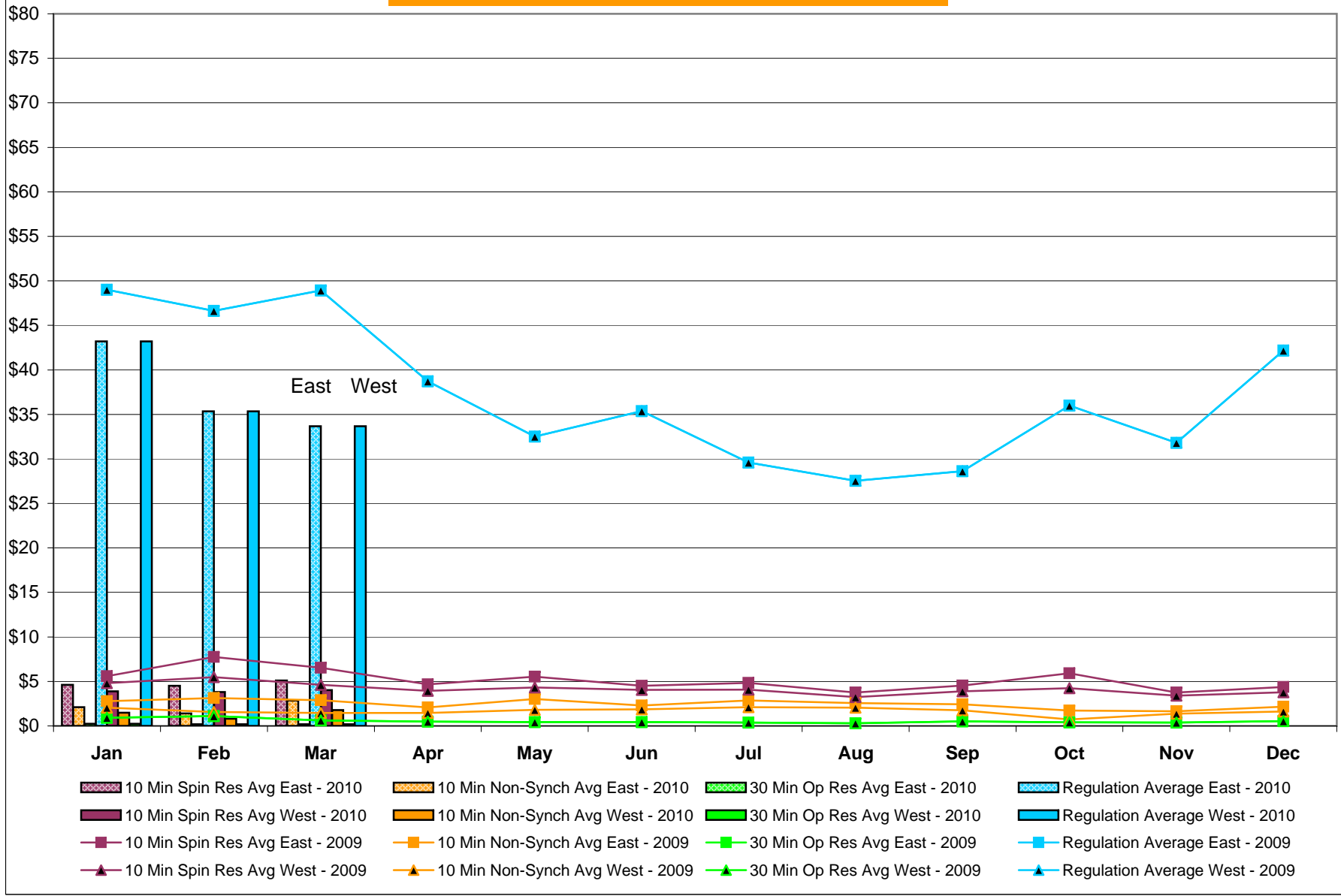
## Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2010

		Virtual Load Bid		Virtual Supply Bid				Virtual Load Bid		Virtual Supply Bid				Virtual Load Bid		Virtual Supply Bid	
Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled
<b>WEST</b>	Jan-10	2369	639	7053	1096	<b>MHK VL</b>	Jan-10	566	1360	1944	1812	<b>DUNWOD</b>	Jan-10	1366	715	1007	493
	Feb-10	1782	1503	5731	2602		Feb-10	900	1327	1812	1507		Feb-10	1229	852	615	463
	Mar-10	1878	500	7531	2586		Mar-10	2071	1405	1835	1399		Mar-10	778	691	818	372
	Apr-10						Apr-10						Apr-10				
	May-10						May-10						May-10				
	Jun-10						Jun-10						Jun-10				
	Jul-10						Jul-10						Jul-10				
	Aug-10						Aug-10						Aug-10				
	Sep-10						Sep-10						Sep-10				
	Oct-10						Oct-10						Oct-10				
	Nov-10						Nov-10						Nov-10				
	Dec-10						Dec-10						Dec-10				
<b>GENESE</b>	Jan-10	1307	507	6615	438	<b>CAPITL</b>	Jan-10	3858	3282	1918	1988	<b>N.Y.C.</b>	Jan-10	9721	6433	4216	7305
	Feb-10	1868	599	9495	497		Feb-10	3189	3547	1880	2918		Feb-10	11568	5863	4477	8219
	Mar-10	1081	427	10627	589		Mar-10	2368	3502	1815	3219		Mar-10	9745	3891	687	7785
	Apr-10						Apr-10						Apr-10				
	May-10						May-10						May-10				
	Jun-10						Jun-10						Jun-10				
	Jul-10						Jul-10						Jul-10				
	Aug-10						Aug-10						Aug-10				
	Sep-10						Sep-10						Sep-10				
	Oct-10						Oct-10						Oct-10				
	Nov-10						Nov-10						Nov-10				
	Dec-10						Dec-10						Dec-10				
<b>NORTH</b>	Jan-10	371	910	8227	1944	<b>HUD VL</b>	Jan-10	9362	1921	2611	911	<b>LONGIL</b>	Jan-10	7706	5282	946	254
	Feb-10	946	1438	9552	1793		Feb-10	5602	1774	2178	1513		Feb-10	7375	3929	847	591
	Mar-10	1143	1259	11701	2063		Mar-10	1631	1015	3149	456		Mar-10	6118	2380	592	410
	Apr-10						Apr-10						Apr-10				
	May-10						May-10						May-10				
	Jun-10						Jun-10						Jun-10				
	Jul-10						Jul-10						Jul-10				
	Aug-10						Aug-10						Aug-10				
	Sep-10						Sep-10						Sep-10				
	Oct-10						Oct-10						Oct-10				
	Nov-10						Nov-10						Nov-10				
	Dec-10						Dec-10						Dec-10				
<b>CENTRL</b>	Jan-10	768	1670	7053	1452	<b>MILLWD</b>	Jan-10	477	492	1256	492	<b>NYISO</b>	Jan-10	37871	23210	42846	18184
	Feb-10	1917	1556	7543	1652		Feb-10	786	472	549	462		Feb-10	37163	22861	44679	22218
	Mar-10	991	1607	8467	3033		Mar-10	397	441	1052	376		Mar-10	28200	17119	48274	22288
	Apr-10						Apr-10						Apr-10				
	May-10						May-10						May-10				
	Jun-10						Jun-10						Jun-10				
	Jul-10						Jul-10						Jul-10				
	Aug-10						Aug-10						Aug-10				
	Sep-10						Sep-10						Sep-10				
	Oct-10						Oct-10						Oct-10				
	Nov-10						Nov-10						Nov-10				
	Dec-10						Dec-10						Dec-10				

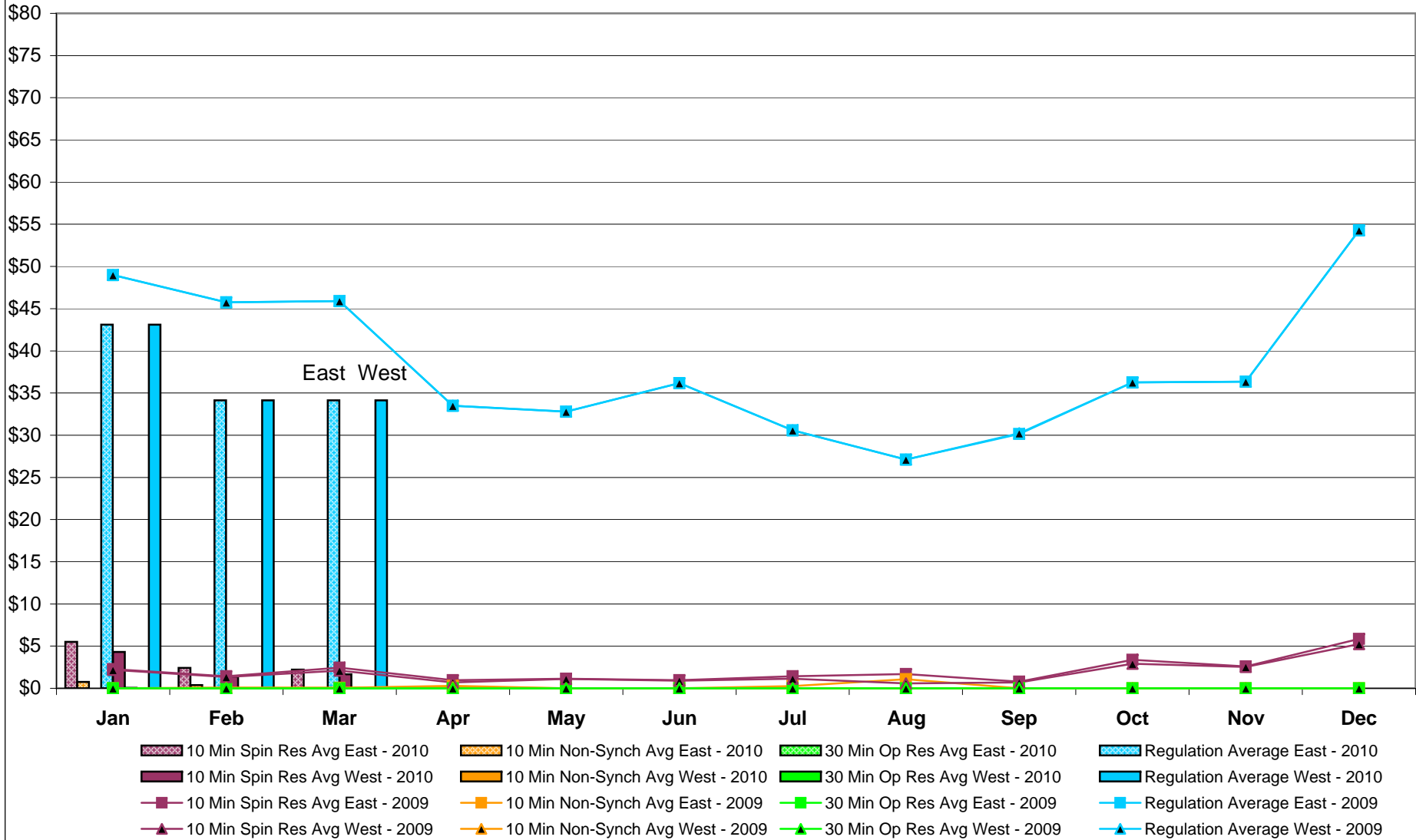
# NYISO Multi Hour Block Transactions Monthly Total MWh



## NYISO Monthly Average Ancillary Service Prices Day Ahead Market 2009 - 2010

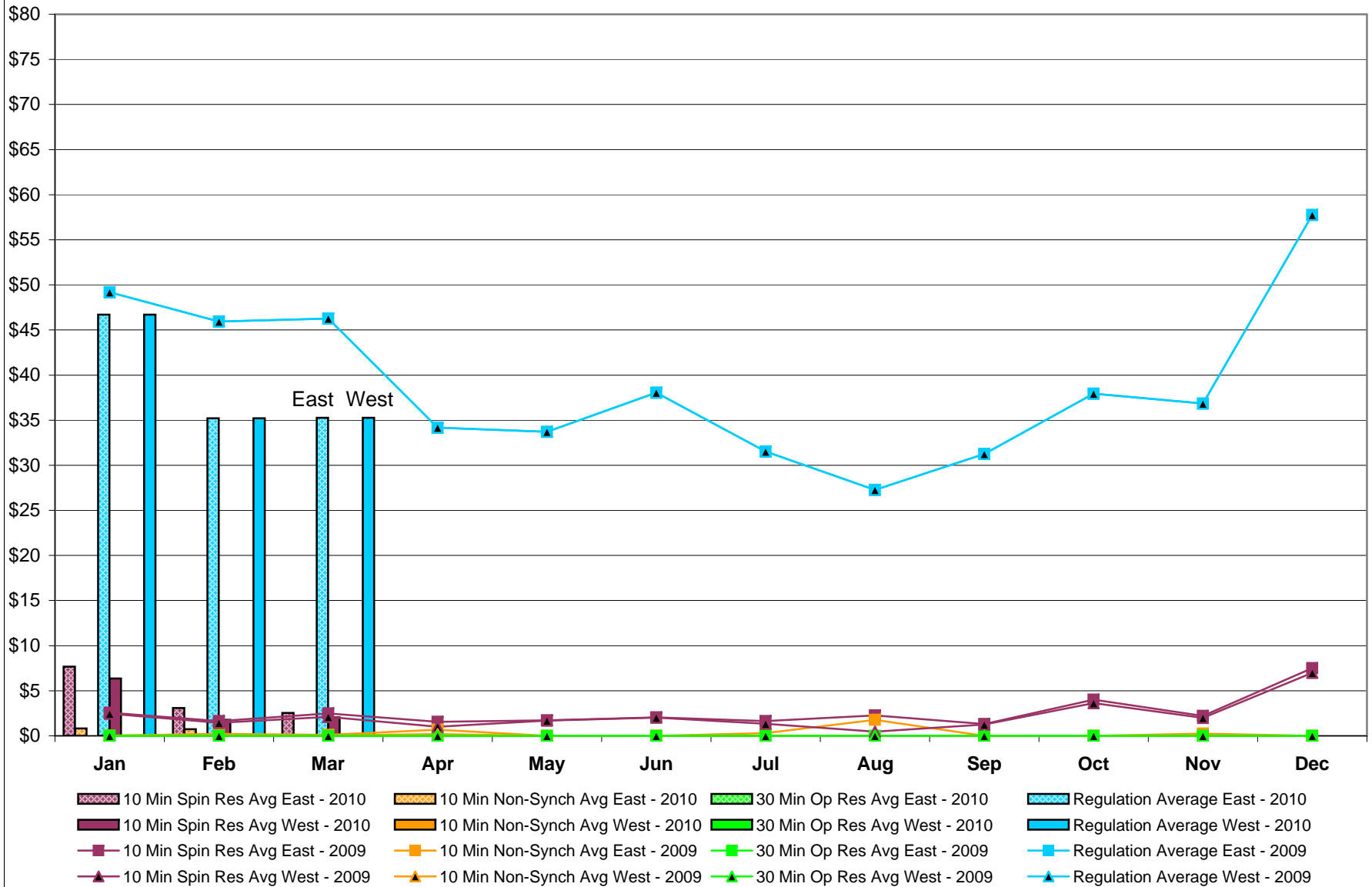


## NYISO Monthly Average Ancillary Service Prices RTC Market 2009 - 2010





## NYISO Monthly Average Ancillary Service Prices Real Time Market 2009 - 2010

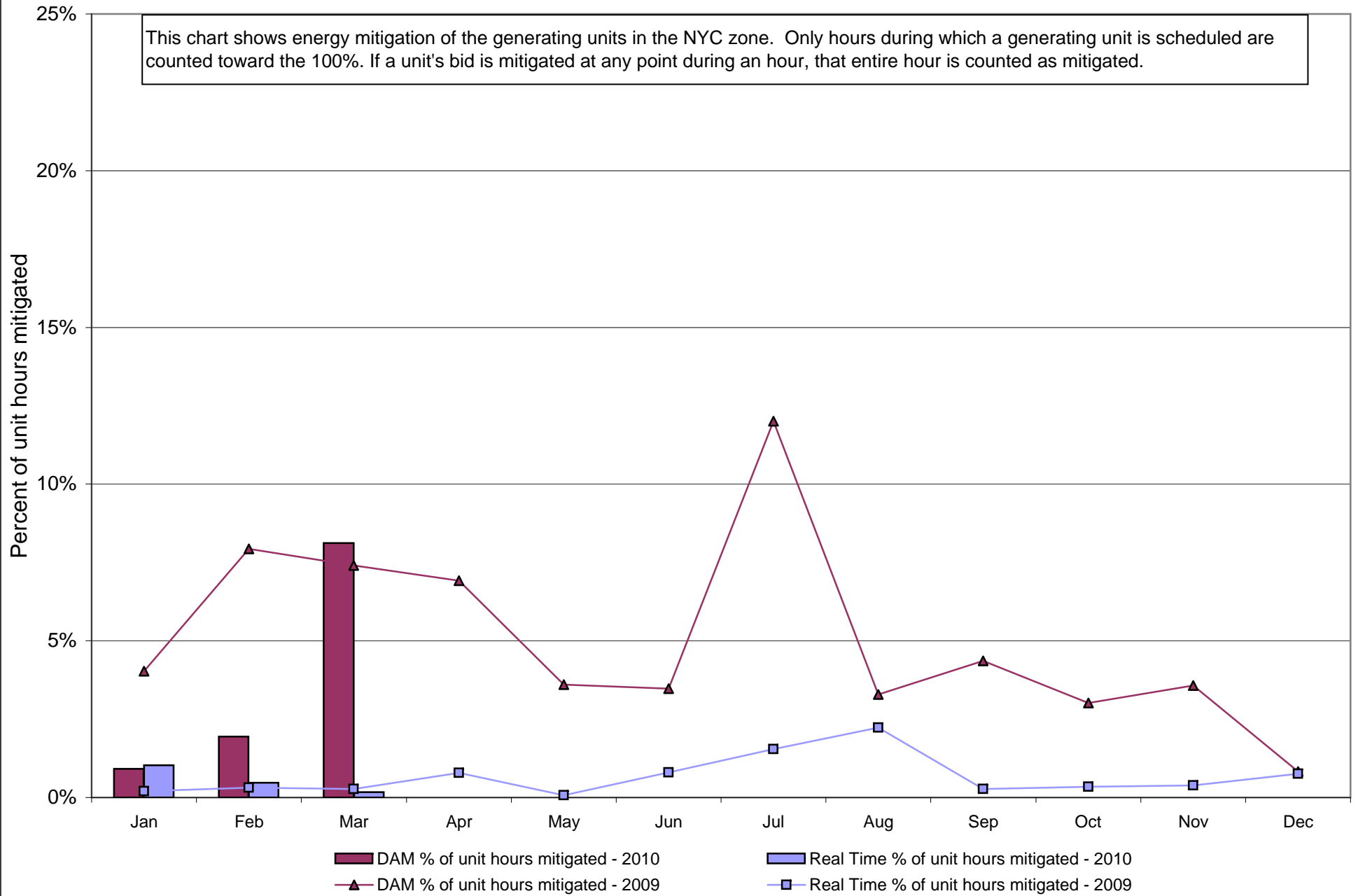


**NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)**

<b>2010</b>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<b>Day Ahead Market</b>												
10 Min Spin East	4.62	4.51	5.10									
10 Min Spin West	3.90	3.80	4.02									
10 Min Non Synch East	2.11	1.42	2.85									
10 Min Non Synch West	1.49	0.80	1.78									
30 Min East	0.24	0.18	0.18									
30 Min West	0.24	0.18	0.18									
Regulation East	43.21	35.33	33.67									
Regulation West	43.21	35.33	33.67									
<b>RTC Market</b>												
10 Min Spin East	5.49	2.42	2.22									
10 Min Spin West	4.32	1.40	1.66									
10 Min Non Synch East	0.77	0.37	0.00									
10 Min Non Synch West	0.05	0.00	0.00									
30 Min East	0.00	0.00	0.00									
30 Min West	0.00	0.00	0.00									
Regulation East	43.11	34.13	34.13									
Regulation West	43.11	34.13	34.13									
<b>Real Time Market</b>												
10 Min Spin East	7.67	3.08	2.54									
10 Min Spin West	6.37	1.78	2.05									
10 Min Non Synch East	0.83	0.74	0.00									
10 Min Non Synch West	0.00	0.00	0.00									
30 Min East	0.00	0.00	0.00									
30 Min West	0.00	0.00	0.00									
Regulation East	46.71	35.21	35.26									
Regulation West	46.71	35.21	35.26									
<b>2009</b>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<b>Day Ahead Market</b>												
10 Min Spin East	5.60	7.74	6.54	4.66	5.53	4.50	4.84	3.76	4.54	5.90	3.75	4.38
10 Min Spin West	4.81	5.48	4.62	3.94	4.32	4.05	4.08	3.25	3.88	4.25	3.41	3.78
10 Min Non Synch East	2.77	3.13	2.88	2.09	3.03	2.31	2.86	2.56	2.42	1.74	1.66	2.16
10 Min Non Synch West	2.05	1.58	1.45	1.46	1.82	1.87	2.11	2.05	1.76	0.73	1.38	1.63
30 Min East	0.92	1.12	0.63	0.50	0.43	0.43	0.37	0.30	0.51	0.41	0.39	0.54
30 Min West	0.92	1.12	0.63	0.50	0.43	0.43	0.37	0.30	0.51	0.41	0.39	0.54
Regulation East	49.01	46.62	48.92	38.71	32.52	35.37	29.59	27.55	28.63	35.99	31.80	42.17
Regulation West	49.01	46.62	48.92	38.71	32.52	35.37	29.59	27.55	28.63	35.99	31.80	42.17
<b>RTC Market</b>												
10 Min Spin East	2.27	1.44	2.43	0.97	1.12	0.96	1.41	1.68	0.79	3.38	2.58	5.85
10 Min Spin West	2.20	1.35	2.09	0.70	1.10	0.91	1.13	0.57	0.71	2.90	2.53	5.24
10 Min Non Synch East	0.00	0.08	0.05	0.30	0.00	0.00	0.27	1.06	0.00	0.00	0.01	0.00
10 Min Non Synch West	0.00	0.04	0.05	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30 Min East	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30 Min West	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regulation East	48.98	45.76	45.90	33.49	32.80	36.17	30.59	27.12	30.14	36.24	36.34	54.29
Regulation West	48.98	45.76	45.90	33.49	32.80	36.17	30.59	27.12	30.23	36.24	36.34	54.29
<b>Real Time Market</b>												
10 Min Spin East	2.57	1.65	2.49	1.55	1.73	2.06	1.65	2.26	1.32	4.01	2.22	7.50
10 Min Spin West	2.46	1.43	2.09	1.01	1.70	2.02	1.33	0.48	1.25	3.62	1.99	7.00
10 Min Non Synch East	0.03	0.22	0.10	0.69	0.00	0.00	0.31	1.77	0.00	0.00	0.24	0.00
10 Min Non Synch West	0.03	0.05	0.05	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
30 Min East	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30 Min West	-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Regulation East	49.19	45.95	46.27	34.17	33.71	38.05	31.54	27.27	31.26	37.93	36.84	57.76
Regulation West	49.19	45.95	46.27	34.17	33.71	38.05	31.54	27.27	31.26	37.93	36.84	57.76

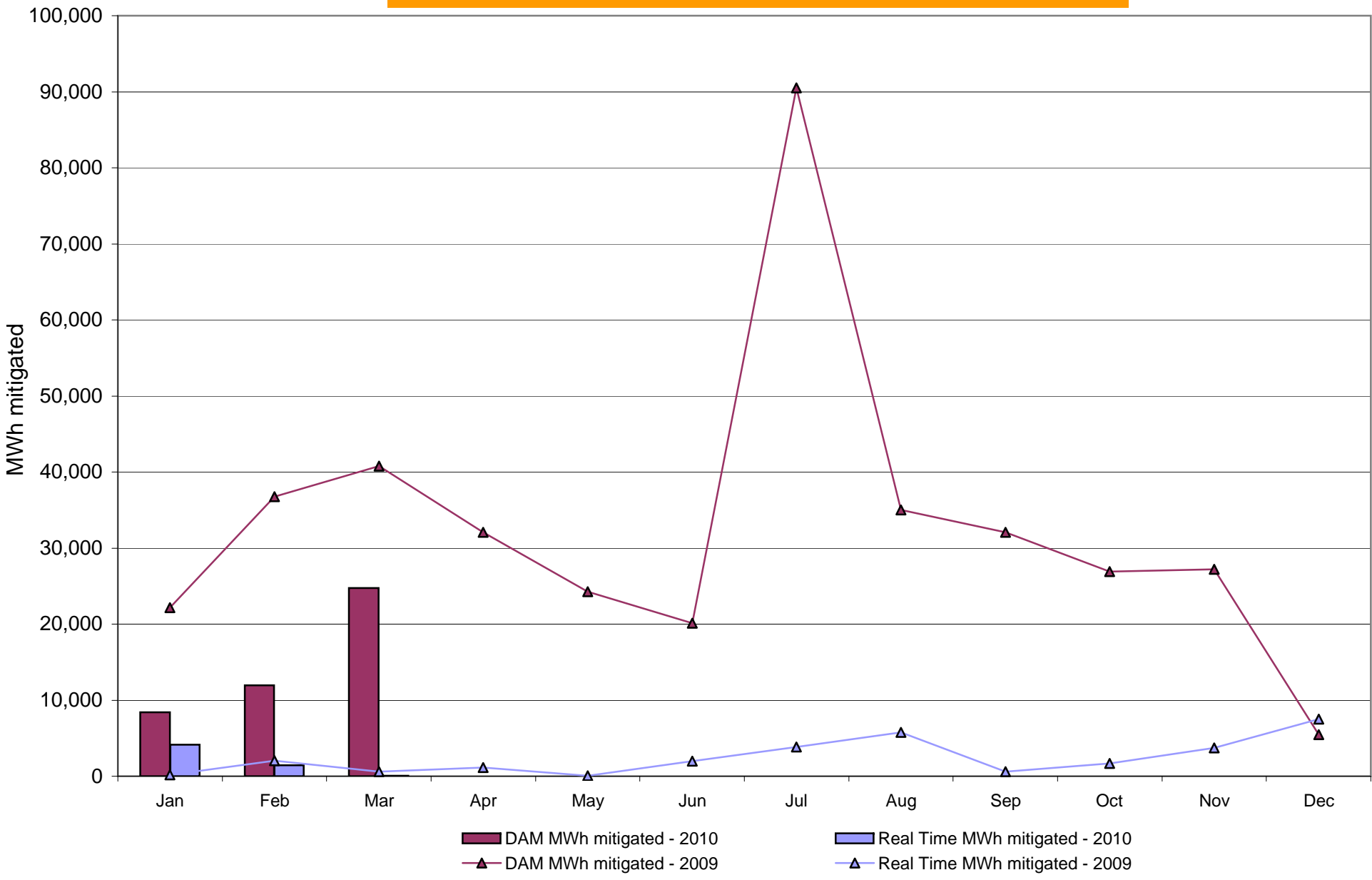
## NYISO In City Energy Mitigation - AMP (NYC Zone) 2009 - 2010

### Percentage of committed unit-hours mitigated

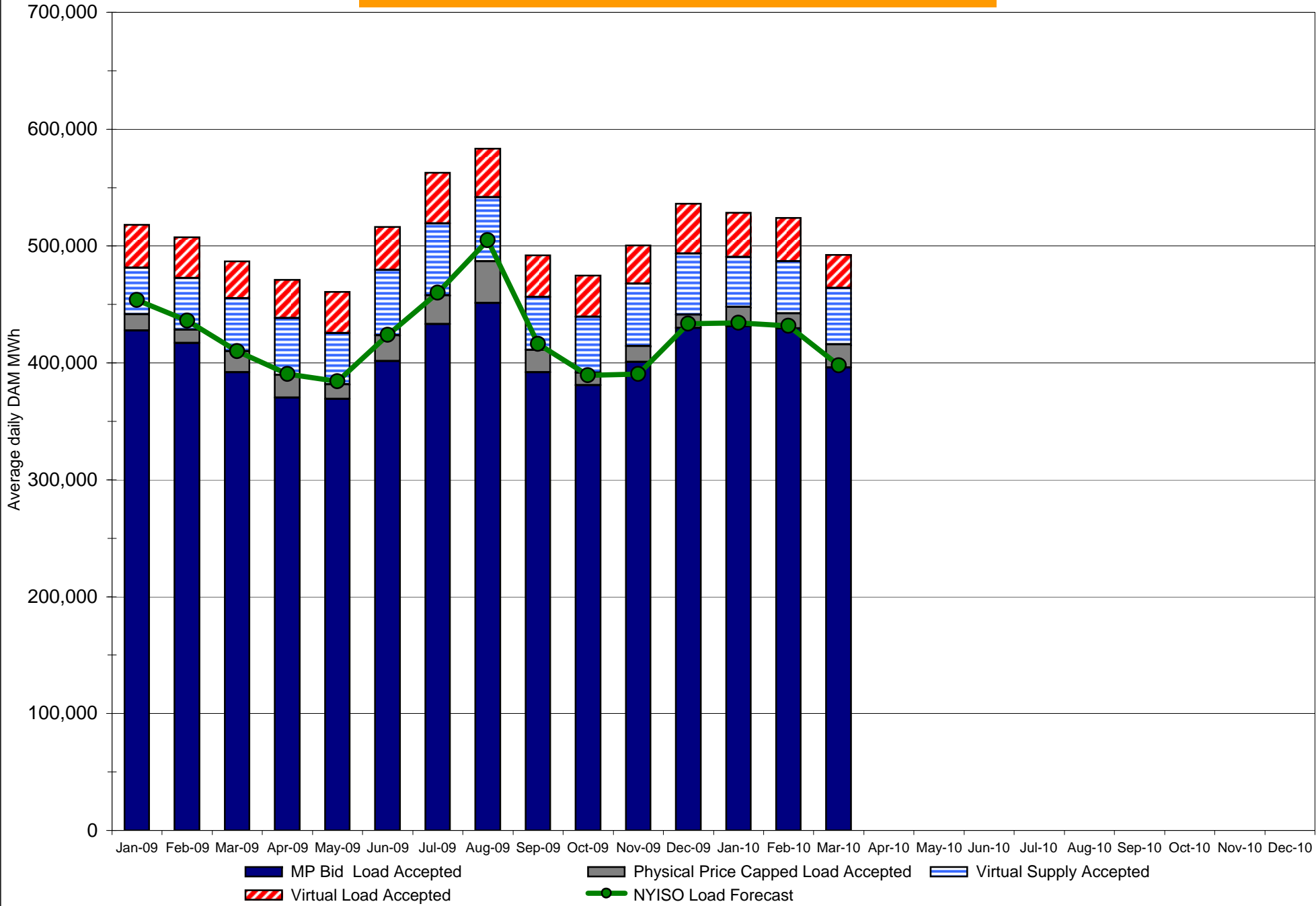


## NYISO In City Energy Mitigation (NYC Zone) 2009 - 2010

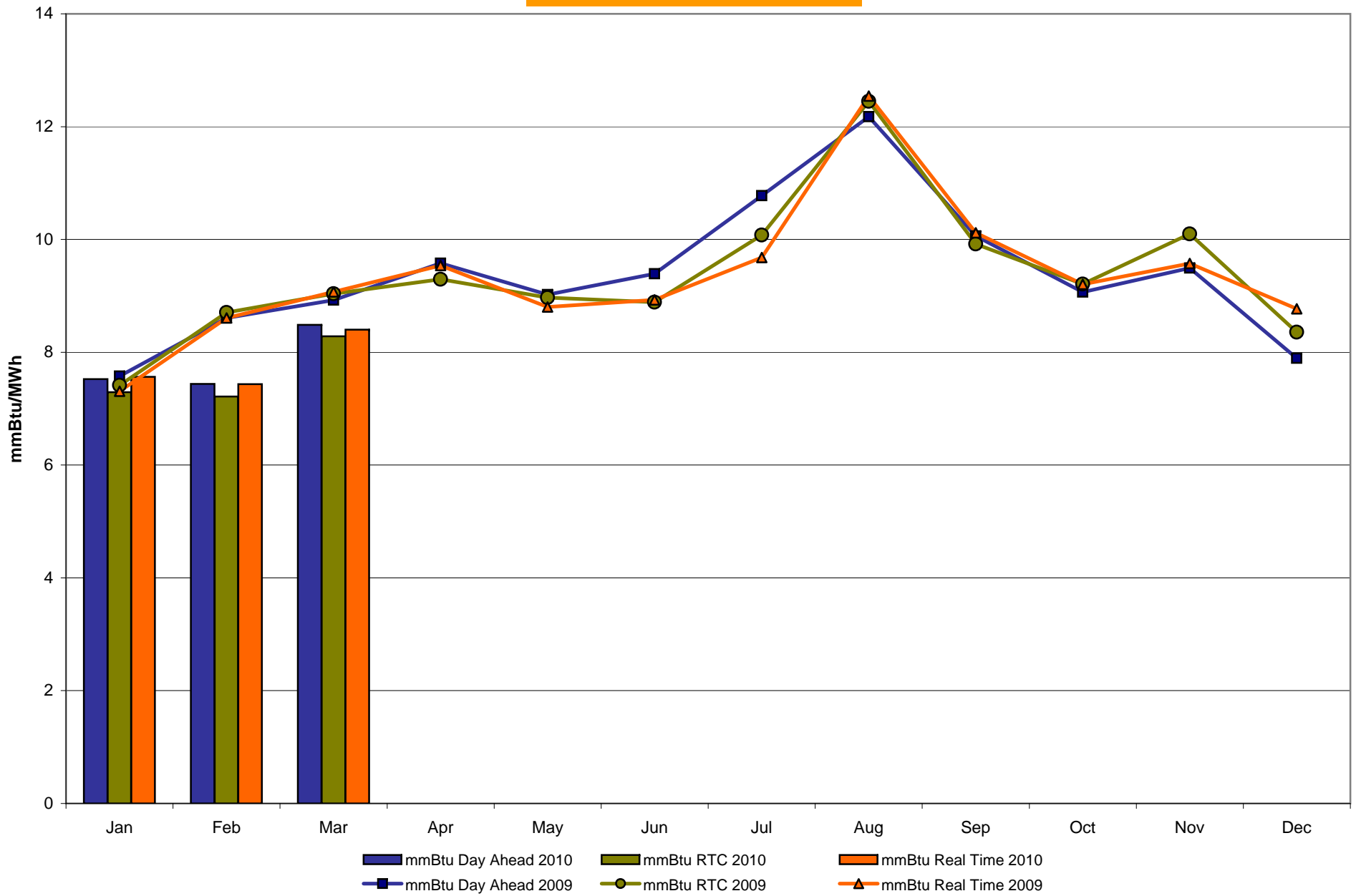
### Monthly megawatt hours mitigated



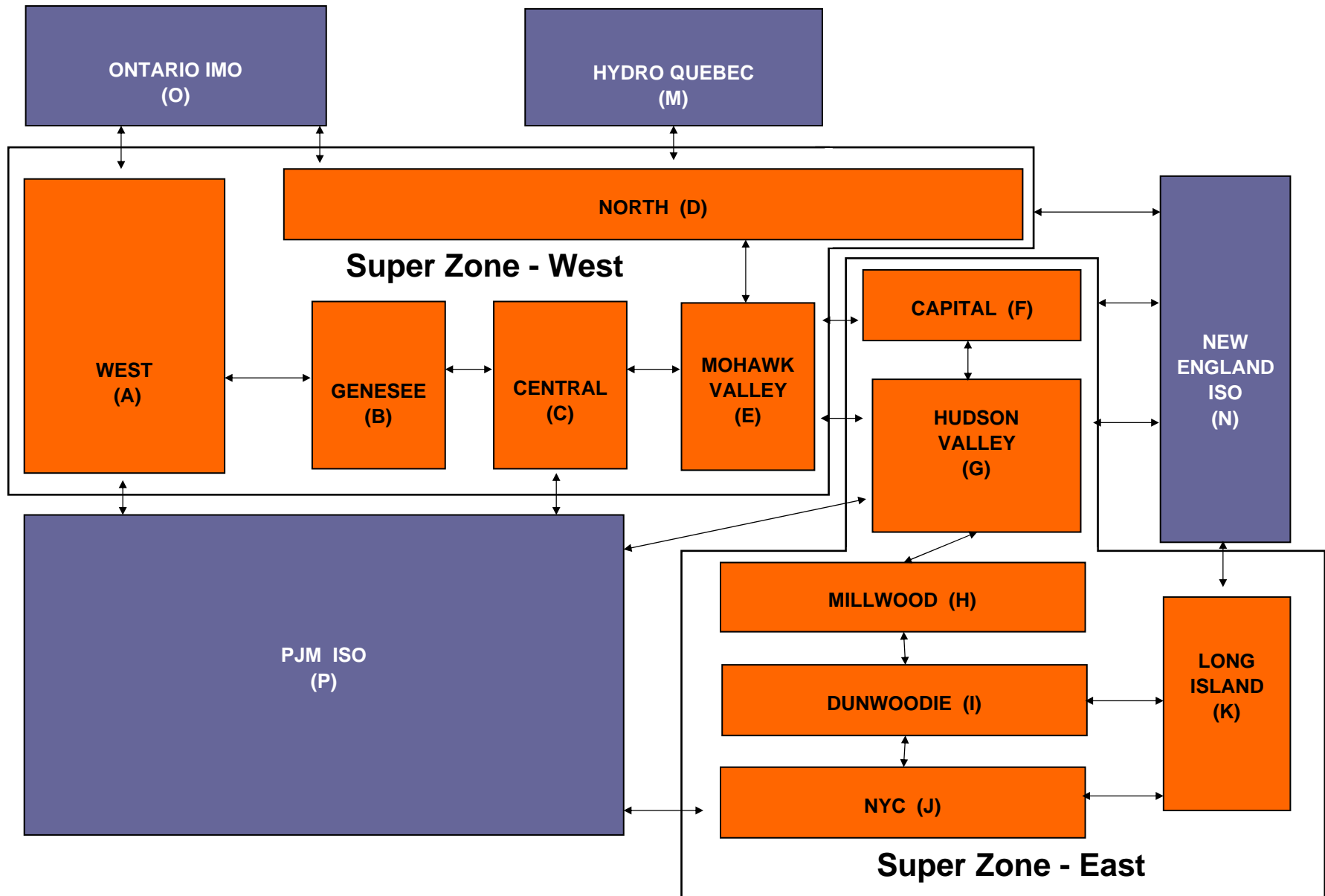
# NYISO Average Daily DAM Load Bid Summary



## Monthly Implied Heat Rate 2009-2010



# NYISO LBMP ZONES



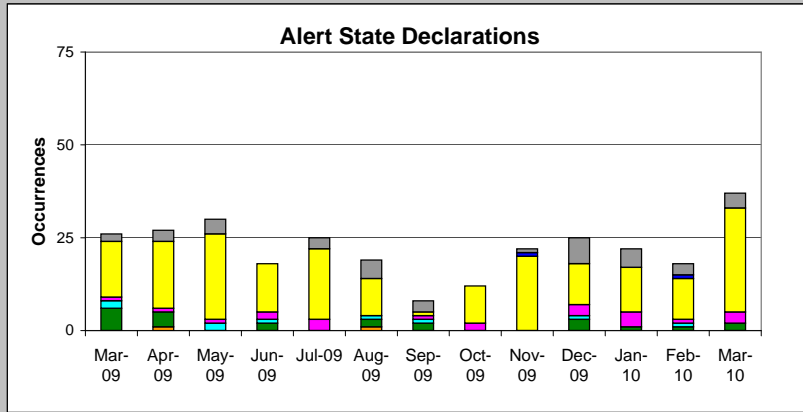
**Billing Codes for Chart 4-C**

<b>Chart 4-C Category Name</b>	<b>Billing Code</b>	<b>Billing Category Name</b>
Bid Production Cost Guarantee Balancing	81203	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81204	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee Balancing	81205	Balancing NYISO Bid Production Cost Guarantee Expenditure due to Curtailed Imports
Bid Production Cost Guarantee Balancing	81208	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81209	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee Balancing	81213	Balancing NYISO Bid Production Cost Guarantee Expenditure due to Curtailed Imports
Bid Production Cost Guarantee DAM	81201	DAM NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee DAM	81202	DAM NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee DAM	81206	DAM NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee DAM	81207	DAM NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee DAM Virtual	81501	DAM Virtual Bid Production Cost Guarantee
DAM Contract Balancing	81315	DAM Contract Balancing
DAM Contract Balancing	81317	DAM Contract Balancing
Local Reliability Balancing	81002	Balancing Local Reliability Bid Production Cost Guarantee
Local Reliability Balancing	83901	Margin Restoration (MOB) Revenue
Local Reliability DAM	81001	DAM Local Reliability Bid Production Cost Guarantee
NYISO Cost of Operations	80901	NYISO Cost Of Operations
NYISO Cost of Operations	80902	NYISO Cost Of Operations
NYISO Cost of Operations	83501	NYISO Cost Of Operations
NYISO Cost of Operations	83502	NYISO Cost Of Operations
Residuals Balancing	81302	Balancing Market Energy Residual
Residuals Balancing	81304	Balancing Market Loss Residual
Residuals Balancing	81305	Balancing Market Congestion Balancing
Residuals Balancing	81306	Emergency Energy Purchases
Residuals Balancing	81307	Emergency Energy Sales
Residuals Balancing	81309	Balancing Market Energy Residual
Residuals Balancing	81311	Balancing Market Loss Residual
Residuals Balancing	81312	Balancing Market Congestion Balancing
Residuals Balancing	81313	Emergency Energy Purchases
Residuals Balancing	81314	Emergency Energy Sales
Residuals DAM	81301	Day Ahead Market Energy Residual
Residuals DAM	81303	Day Ahead Market Loss Residual
Residuals DAM	81308	Day Ahead Market Energy Residual
Residuals DAM	81310	Day Ahead Market Loss Residual












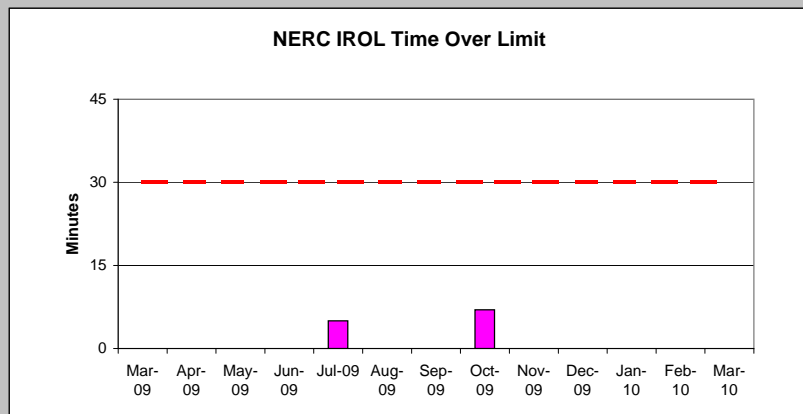
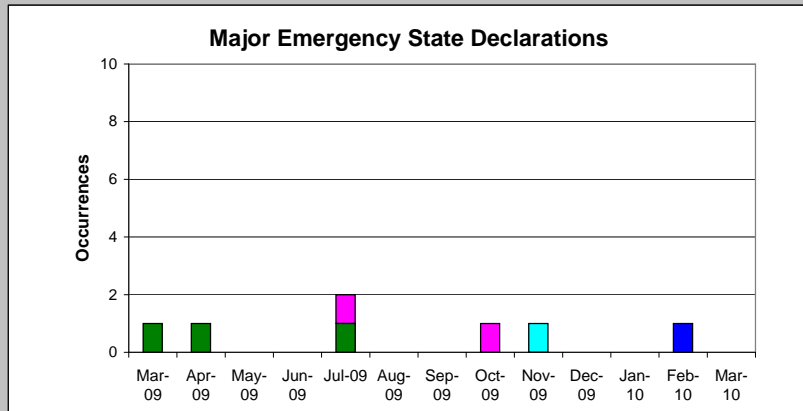
**Report Overview**

All reliability metric performances are normal. Frequency threshold exceedances primarily attributed to interconnection system events outside the NYISO.




**System State Declarations**

-  ACE Threshold Exceedance
-  Adverse Operating Conditions
-  Communications Degradation
-  Frequency Threshold Exceedance
-  Interface Transfer Limit (IROL) Exceedance
-  Neighboring System in Voltage Reduction
-  Operating Reserve Deficiency
-  Thermal Rating Limit (SOL) Exceedance
-  Voltage Rating Limit (SOL) Exceedance



**NERC IROL Exceedance**

-  IROL Exceedance Time
-  IROL Exceedance Time Limit

**Definitions**

**Alert State Declarations:**

The number and causes of Alert State declarations reflect system operating conditions beyond thresholds associated with Normal and Warning States. Declaration of the Alert State allows the NYISO to take corrective actions not available in the Normal and Warning States.

**Major Emergency State Declarations:**

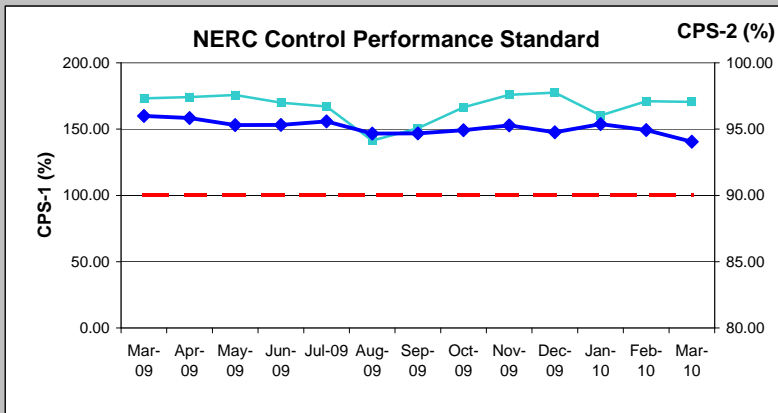
The number and causes of Major Emergency State declarations reflect system operating conditions beyond thresholds associated with the Alert State. Declaration of the Major Emergency State allows the NYISO to take aggressive corrective actions not available in the Alert State.

**NERC IROL Time Over Limit:**

For IROL exceedances leading to a Major Emergency State declarations, the maximum time for which the IROL is exceeded. IROL exceedances that last for more than thirty minutes are considered a NERC non compliance event.

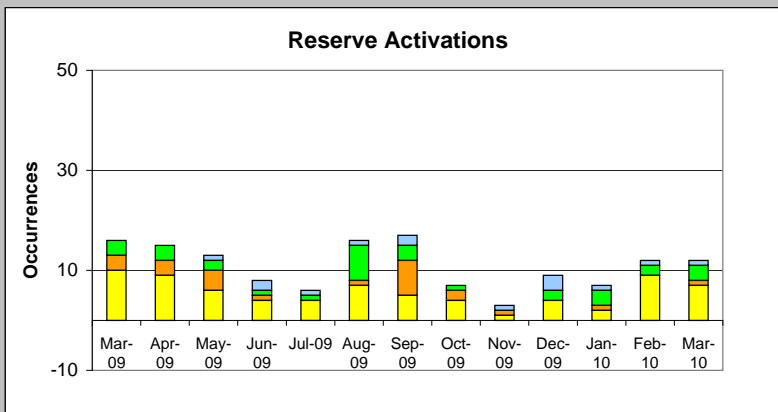
Report Overview

All reliability metric performances are normal.



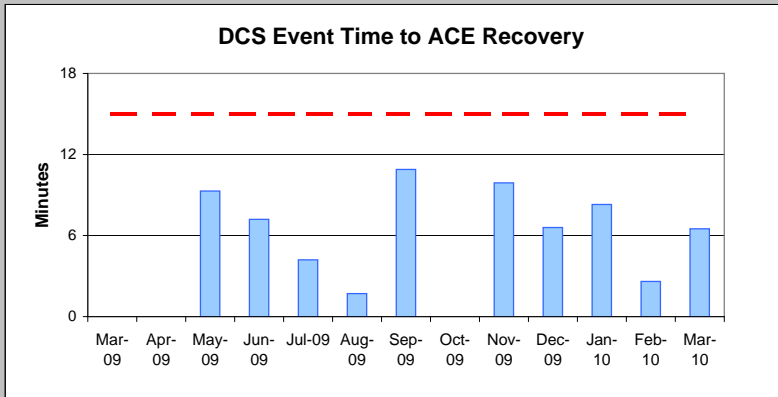
**Control Performance**

- CPS-1
- CPS-2
- CPS Limit



**Reserve Activations**

- ACE Not Normal
- NYCA Resource Loss < 500 MW
- NYCA Resource Loss >= 500 MW
- Shared Activation of Reserves



**NERC DCS Events**

- NYISO ACE Recovery Time
- NERC DCS - ACE Recovery Time Limit

Definitions

**Control Performance Standards:**

The values of NERC Control Performance Standards (CPS-1 and CPS-2) are indicators of the NYISO Area resource and demand balancing performance.

**Reserve Activations:**

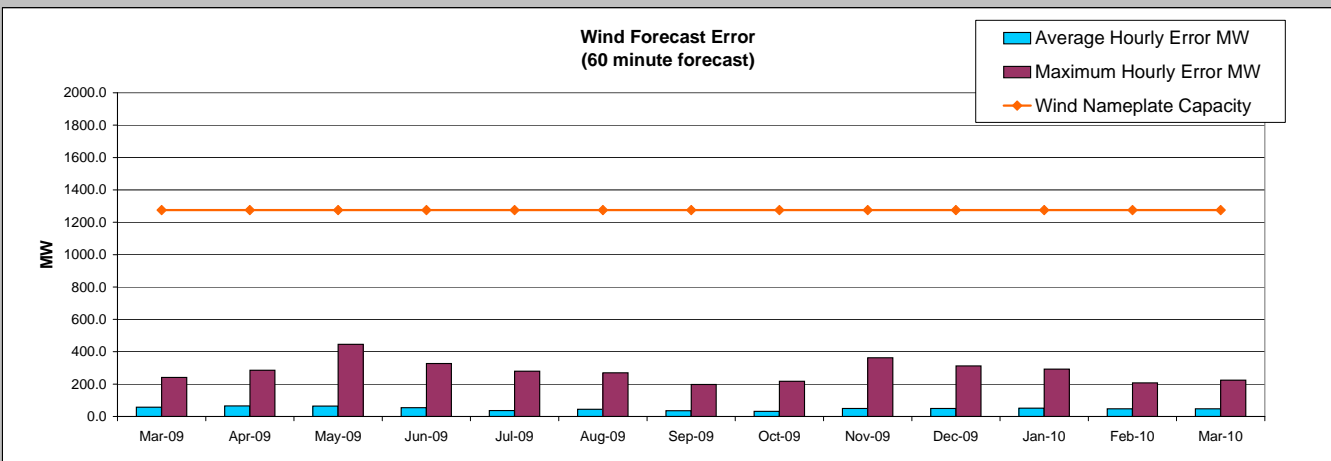
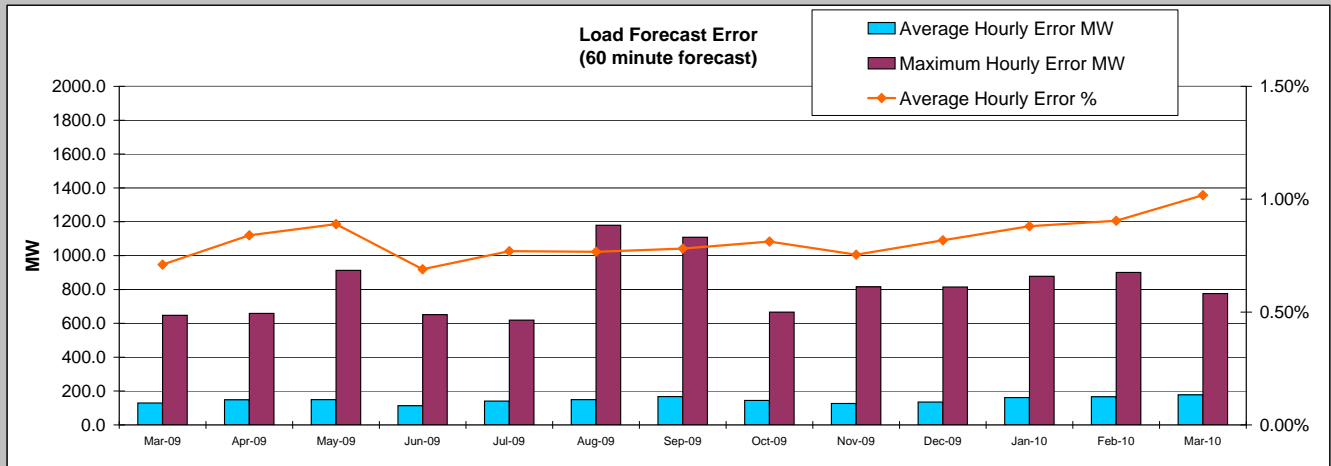
The number and causes of NYISO Reserve Activations are indicators of the need to respond to unexpected operational conditions within the NYISO Area or to assist a neighboring Area (Shared Activation of Reserves) by activating an immediate resource and demand balancing operation.

**NERC Disturbance Control Standard (DCS):**

For the NYISO initiated Reportable Disturbances, the maximum ACE recovery time. Recovery times exceeding the Disturbance Recovery Period of 15 minutes can lead to NERC non-compliance.

Report Overview

No excessive forecasting errors observed.



Definitions

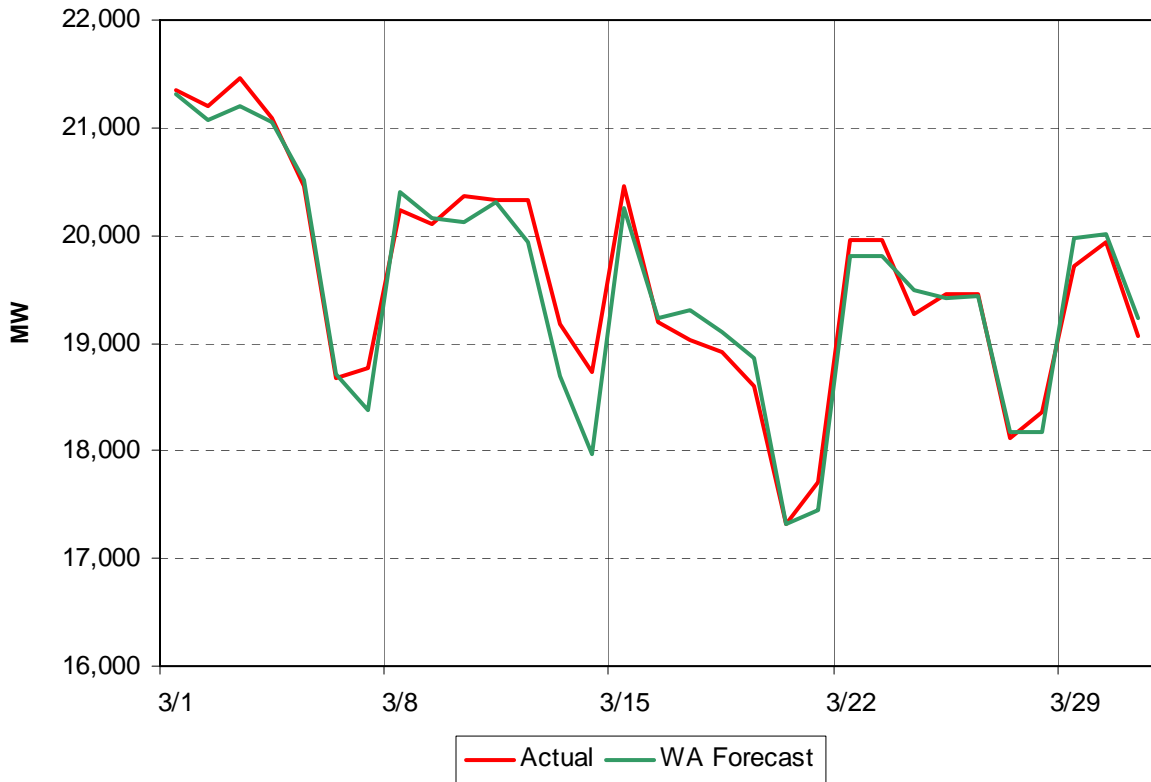
**Load Forecast Error**

Absolute value of the difference between the hourly average actual load demand and the average 60-minute forecast load demand.  
 Average Hourly Error % - Average value of the ratio of hourly average error magnitude to hourly average actual load demand.

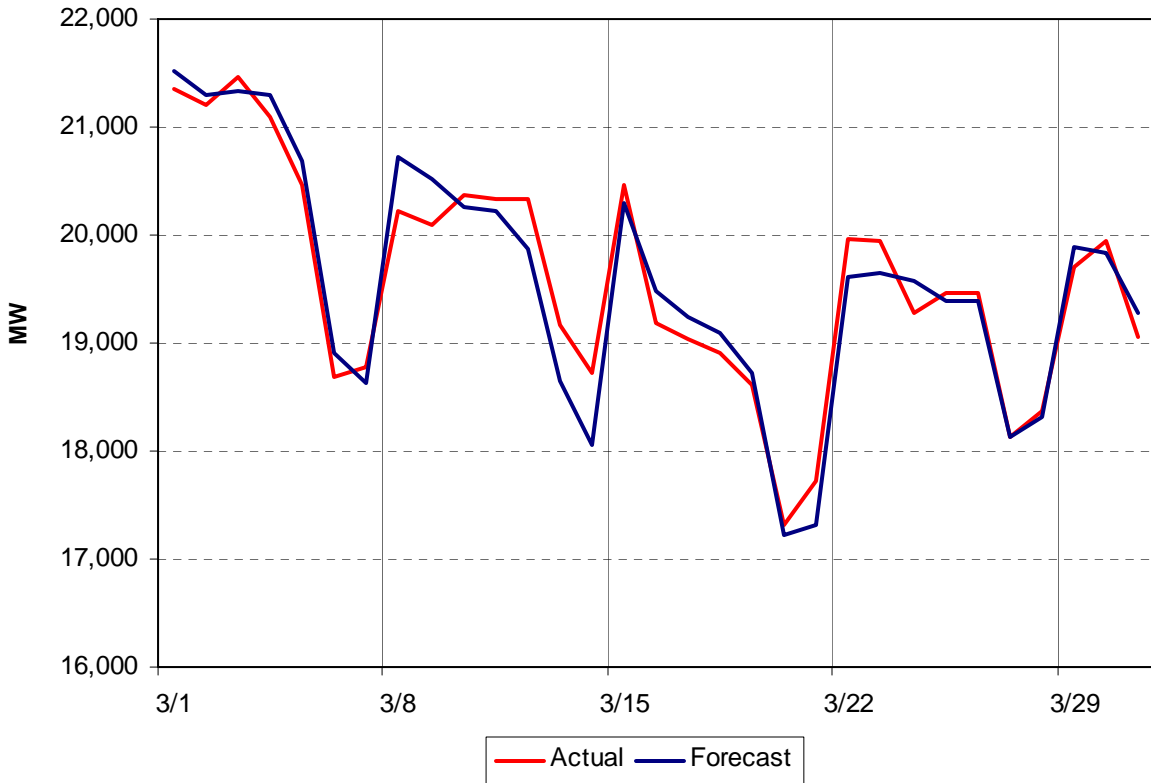
**Wind Forecast Error:**

Absolute value of the difference between the hourly average actual wind generation and the average 60-minute forecast wind generation.  
 Wind Nameplate Capacity - Maximum value of installed NYCA wind generator capacity.

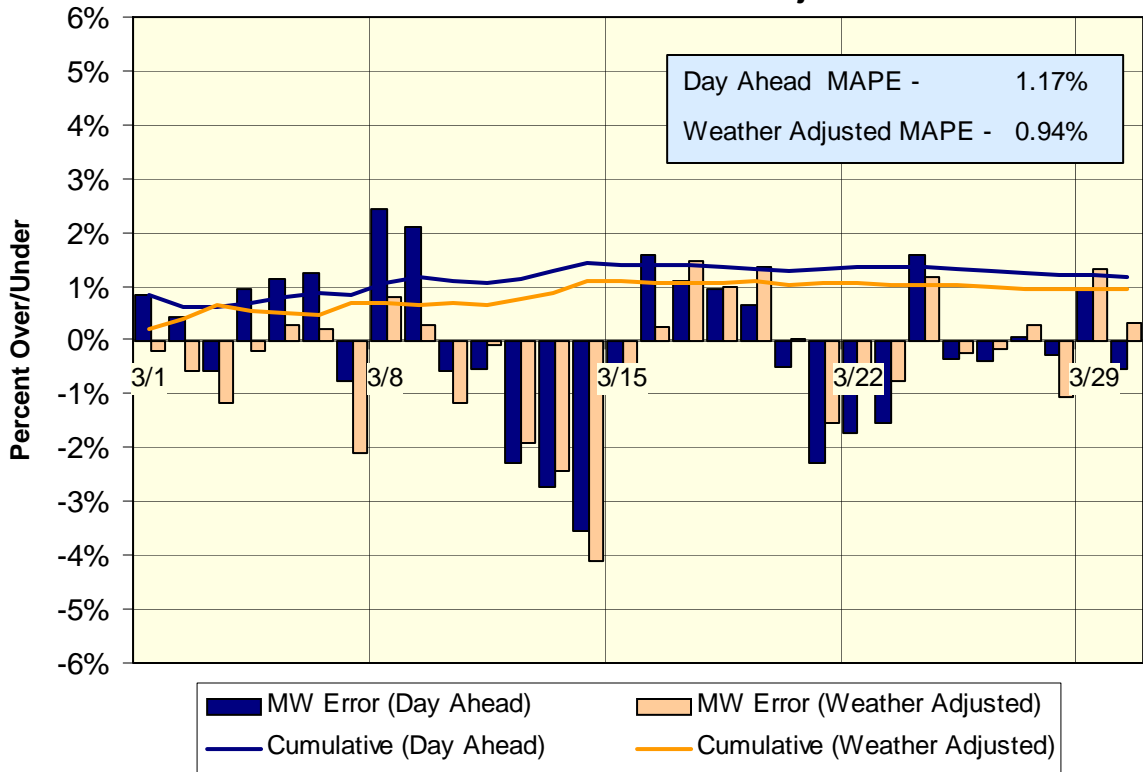
**NYISO Daily Peak Load - March 2010  
Actual vs Weather-Adjusted Forecast**



**NYISO Daily Peak Load - March 2010  
Actual vs Forecast**



### Day Ahead Forecast - March 2010 Percent Error - Actual & Weather Adjusted



### Day-Ahead Forecast Accuracy - Cumulative Performance 2010 Year-to-Date



Description	Status and Milestone Deliverables
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<b>Auxiliary Market Products</b>	
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Demand Curve Reset	<p><b>Status:</b> NERA is the consultant performing the demand curve study. This is an ongoing process with many stakeholder discussions planned throughout 2010. NERA is proposing to use the same econometric model for Energy and Ancillary Service revenue as the previous study.</p> <p><b>Deliverables:</b> Per the Market Services Tariff, the NYISO will be developing new sets of demand curves for the capacity market in 2010, with a requirement to file the new curves with FERC by 11/30/2010.</p>
Demand Response Information System	<p><b>Status:</b> Phase 1 was successfully deployed in the 4<sup>th</sup> quarter of 2009 and Phase 2 was completed in March 2010. The remainder of the work is scheduled for 2010. The Market Participant User Interface is scheduled for deployment in June and the final phase is scheduled to be software ready at the end of the 4<sup>th</sup> quarter.</p> <p><b>Deliverables:</b> The Demand Response Information System project is a multi-year project to automate the current core functionality of Registration Processing, Event Notification, and Reporting, as well as the ICAP/SCR Processing and the Event Performance, Management and Settlement Preparation calculations. The project also includes new functionality in Event and Meter Data Management and Marketplace functions.</p>
ICAP Import Rights Modeling-Capabilities for New Interfaces	<p><b>Status:</b> These software enhancements to the existing ICAP automated system were successfully deployed in March. This project is complete.</p> <p><b>Deliverables:</b> This project would implement new capability to model external locations to the sub zone level to support any new interfaces including, HQEX, HQ-Cedars, NPX-AC, NPX-CSC, OH-AC, PJM-AC, and PJM-Neptune. Specifically, the project will address:</p> <ul style="list-style-type: none"> <li>• Multiple import rights models at each physical interface</li> <li>• Specific modeling to treat Unforced Capacity Deliverability Rights (UDRs)</li> <li>• Additional flexibility to model and track wheel-throughs</li> <li>• Apportioning of CRIS and ERIS for exports</li> <li>• Monthly adjustment in import limits to account for deliverability rules</li> <li>• Support of buyer-side mitigation as necessary</li> </ul>
Demand Response Aggregations in DSASP	<p><b>Status:</b> Discussions are currently underway with the expectation that market rule changes will be minimal if aggregations are treated in the same manner as individual DSASP resources. Through the course of working group discussions and 2010 Sector Meetings, Market Participants have specifically requested the NYISO to delay proposing a market design until two items are complete: (1) identification of telemetry alternatives to better enable participation and (2) baseline methodology study. The study is utilizing historical Responsible Interface Party data to compare two methodologies in use today – Average Peak Monthly Demand (APMD) and Customer Baseline Load (CBL). Market Participants and NYISO agree the results of the study, and the subsequent determination of the appropriate methodology, must be discussed and vetted through the stakeholder process before the market design can be developed and proposed.</p> <p><b>Deliverables:</b> Based on the NYISO's response to FERC Order 719, NYISO will be investigating the changes needed to accommodate aggregated small demand response resources providing ancillary services (DSASP). The current DSASP</p>

Description	Status and Milestone Deliverables
Final Deliverability Rules	<p>program allows individual resource participation through a TO; this project would allow multiple demand response resources to participate in DSASP by providing an aggregate signal through a TO to the NYISO. The primary effort involves discussions with NPCC and the NYSRC on any potential rule changes in their areas.</p> <p><b>Status:</b> Implementation of the software enhancements is scheduled for 3<sup>rd</sup> quarter 2010.</p> <p><b>Deliverables:</b> On the basis of FERC's June 23, 2009 ruling and NYISO's filing on External CRIS Rights due October 2009, there will be additional modifications to the ICAP AMS to implement the rules associated with External CRIS Rights, specifically:</p> <ul style="list-style-type: none"> <li>• Identifying external suppliers, bilateral contracts, and commitments to offer market capacity associated with Long-Term External CRIS Rights</li> <li>• Tracking the duration of rights awards and specific months when offers are required</li> <li>• Imposition of an offer cap (\$/kW-mo); creating and modifying the values associated with the cap</li> <li>• Tracking of offer behavior, and identification of situations where an entity with Long-Term External CRIS Rights is in violation of its commitment</li> <li>• Renewal of Long-Term External CRIS Rights</li> <li>• Transfer of rights to another entity; ability to allow partial MW transfer of rights</li> <li>• Compatibility with existing import rights process for short-term imports</li> </ul>
Criteria for New Capacity Zones	<p><b>Status:</b> The NYISO and its stakeholders will jointly develop the rationale for creating additional capacity zones, which was a recommendation in the 2008 State of the Market report. The Market Design Concept is scheduled for completion in the 4<sup>th</sup> quarter 2010.</p> <p><b>Deliverables:</b> Significant modification of the existing code design will be required to provide the flexibility to accommodate the creation and deletion of new capacity zones. Another area that will be addressed is the modeling of imports; all imports are currently modeled into the ROS region, but there will be situations where imports from one external control area will enter multiple NYISO capacity zones.</p>
Capability Period Alignment	<p><b>Status:</b> The NYISO will work with its stakeholders to develop a Market Design Concept by the end of the 2<sup>nd</sup> quarter.</p> <p><b>Deliverables:</b> The NYISO's Capacity Market Capability Year runs from May through the following April; both ISO-NE's and PJM's capability years begin in June. The misalignment of capability years creates issues for suppliers importing capacity into NY from PJM or ISO-NE for use in the NYISO's strip auction, and also impacts NY LSE IRM/locality requirements. This project will consider the extent of market rule changes, software changes and potential operations procedure changes that would be required to align NY's capability year with those of PJM and ISO-NE.</p>

Description	Status and Milestone Deliverables
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<b>Business Intelligence Products</b>	
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E-Tariff	<p><b>Status:</b> NYISO partnered with ISO-NE, PJM and SPP to contract with a vendor to develop the software needed for FERC compliance. NYISO is scheduled to be software ready in the 2<sup>nd</sup> quarter and awaiting confirmation of FERC concurrence with NYISO's proposed timing for an initial baseline filing.</p> <p><b>Deliverables:</b> This is a project to comply with FERC Order 714 by April 1, 2010. The NYISO must implement a system to electronically manage the submission of all tariff filings with FERC, using a FERC mandated XML format. This project will also involve the migration of both NYISO tariffs from a page-based format to a record-based format and will culminate in an initial baseline filing for each of the two tariffs.</p>
E-Planning Collaboration	<p><b>Status:</b> NYISO is scheduled to implement the new E-Room for Planning by the end of the 2<sup>nd</sup> quarter 2010.</p> <p><b>Deliverables:</b> The interactive collaboration provided by NYISO today for planning studies uses a combination of email, burned CDs and posting to a secured area of the NYISO website. This is difficult to administer and does not provide the robust functionality desired. This project would provide for a new collaborative environment through the use of Microsoft SharePoint.</p>
Non-NYISO Transactions Data Access	<p><b>Status:</b> The NYISO is currently evaluating the most economic and efficient means of obtaining access to this data. Access to this data is scheduled for delivery in 4<sup>th</sup> quarter 2010.</p> <p><b>Deliverables:</b> This data is currently gathered manually on an ad-hoc basis. This project would focus on providing access to data from surrounding control areas to NYISO's Market Mitigation and Analysis Unit. The project will also provide access to the tools necessary to analyze this data.</p>
Intranet Redesign	<p><b>Status:</b> This project is scheduled for delivery in September 2010.</p> <p><b>Deliverables:</b> The NYISO has not updated the technological platform or the design of the NYISO Intranet since its inception. This is an internal NYISO project with the purpose of moving the site, which currently exists on outdated technology, to a new technological platform for the benefit of content publishing, ease of navigation and maintenance.</p>



Description	Status and Milestone Deliverables
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<p>Web Posting Enhancements</p>	<p><b>Status:</b> Web Postings refers to a series of Tibco Business Works processes that generate and publish various CSV, PDF, and HTML files to NYISO's OASIS site (<a href="http://mis.nyiso.com/public">http://mis.nyiso.com/public</a>). These files include zonal and generator pricing data for the Real-Time, Hour-Ahead, and Day-Ahead markets, outage data, interface limits &amp; flows, PAR schedules &amp; flows, actual load and load forecasts, various reports, and other publicly available data used by our Market Participants. There are over 40 postings in total that publish to the site throughout the day. Phase I is scheduled for deployment in 4<sup>th</sup> quarter of 2010.</p> <p><b>Deliverables:</b> The Web Posting Enhancement project is a multi-year project with phased deliverables to address the following objectives:</p> <ul style="list-style-type: none"> <li>• Improve reliability and performance of the web posting process</li> <li>• Eliminate dependency on proprietary Tibco technology for Postings</li> <li>• Ensure pricing data quality across NYISO systems with authoritative transactional source for prices and price versions</li> <li>• Improve reliability and greatly simplify DSS price data integration</li> <li>• Address NAESB WEQ-002 posting technical requirements</li> </ul>
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**Energy Markets Products**

<p>Long Term Loop Flow Response-Buy Through Congestion</p>	<p><b>Status:</b> As a result of the events leading to the 2008 Lake Erie loop flow issues, in 2009 the NYISO, PJM, ISO-NE and MISO identified solutions to the costs imposed on the non scheduling RTO.</p> <p><b>Deliverables:</b> This project will focus on designing software and rules in conjunction with neighboring control areas to mitigate the effect of loop flows on our systems.</p>
<p>Congestion Management Market Flow Calculator</p>	<p><b>Status:</b> In late-2006, PJM approached NYISO, interested in developing a program to allow inter-control area dispatch to help manage congestion. PJM has implemented a program with MISO and is currently in the early stages of designing such a program with SPP. In 2007, NYISO initiated discussions with PJM to further understand the MISO program and begin to outline a conceptual straw proposal for a similar program between PJM and NY. NYISO has continued to define the details of a Congestion Management protocol between NYISO and PJM. In 2009, NYISO worked with PJM and NYISO stakeholders to develop a Congestion Management protocol.</p> <p><b>Deliverables:</b> Before this protocol can be implemented, automated software to calculate the market flow between PJM and NY must be created. In 2010 NYISO will evaluate whether to build or buy software to implement this calculator. Once implemented, NYISO will analyze flows to determine with PJM and NYISO stakeholders the proper basis for compensation.</p>

Description	Status and Milestone Deliverables
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Interregional Transaction Coordination Phase 1-HQ on Dispatch	<p><b>Status:</b> Currently, energy transactions between the NYCA and other control areas are evaluated economically once for the hour.</p> <p><b>Deliverables:</b> This project will focus on instituting an intra-hour economic evaluation and scheduling of transactions with neighboring control areas, starting with the HQCA.</p>
Interregional Transaction Coordination Phase 2-Ancillary Services	<p><b>Status:</b> Currently ancillary services are procured from internal resources only.</p> <p><b>Deliverables:</b> This project will focus on designing a method to economically evaluate and schedule the reserve and regulation products from neighboring control areas, starting with the HQCA.</p>
Increasing Bids in RT	<p><b>Status:</b> Currently generators with accepted Day Ahead bids are prohibited from increasing the accepted portion of their bids in the Real Time markets. Circumstances can arise, such as fuel outages or restrictions, which cause the accepted DA bids to no longer be representative of the units' actual costs.</p> <p><b>Deliverables:</b> This project will allow these resources to represent their new costs in Real Time.</p>
Scheduling & Pricing Phase 4 – Modify Transaction Default Settings	<p><b>Status:</b> Currently Day Ahead scheduled transactions are carried over into the Real Time market as price takers to insure prioritization, their prices are set to the bid floors. Curtailments of these transactions in Real Time can then lead to an arbitrary price of -\$999.70. This can lead to significant balancing residuals. The required software changes were successfully deployed in March. This project is complete.</p> <p><b>Deliverables:</b> This project will evaluate the feasibility and appropriateness of modifying this default value and implement this new value.</p>

Finance Products	
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Credit Management System	<p><b>Status:</b> In 2009, the project delivered functionality for the TCC Market, Credit Infrastructure, Virtual Transactions Market and ICAP Market. In 2010, the project is planned to provide the functionality required to support the (1) Energy and Ancillary Services Market, (2) 2 year TCCs and (3) Market Participant User Interface.</p> <p><b>Deliverables:</b> Streamline, automate, and integrate the credit management processes through a Credit Management System (CMS) to make the processes more efficient and auditable. The end state vision for this multi-year project is an automated and integrated CMS that provides a real time credit position and settlement results netted across all markets. NYISO and MPs will be able to manage collateral as a portfolio and make business decisions using analytical tools and information through a user interface. In addition, the NYISO will be able to leverage automation to implement credit requirements that are better matched to market risk.</p>
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Description	Status and Milestone Deliverables
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**Infrastructure Products**

	<p><b>Status:</b> This project continues the roadmap initiated with a 2009 project that enabled support for Microsoft-based applications for market participants.</p>
Identity and Access Management	<p><b>Deliverables:</b> This multi-year project will deliver a foundation for enterprise-wide identity and access management to achieve compliance. Technical controls and workflows will manage employee user identities and access rights to widely used critical cyber assets defined by NERC CIP. The solution will provide reporting and visibility to current access entitlements and immediate revocation of rights on employee exit.</p>
Data Warehouse Platform Evolution	<p><b>Status:</b> With data intensive initiatives, NYISO requires a high performance scalable cost effective data warehouse platform. The Netezza data warehouse appliance will allow NYISO IT to deliver business intelligence projects faster, greatly increase reporting performance and make data available sooner for reporting.</p> <p><b>Deliverables:</b> NYISO will migrate the existing datamarts to the new platform in 2010 to achieve business and technical benefits for current and planned DSS development efforts.</p>
Shared Governance Voting Software	<p><b>Status:</b> The ISO Agreement requires that the NYISO facilitate a voting process as defined in the Agreement. This voting process is currently conducted via a laptop spreadsheet program (Lotus 1-2-3), which was developed at the inception of the NYISO. The existing voting program presents some risk to the NYISO as it based upon unsupported software and has no provisions for change management. This project was delivered on time in March. This project is complete.</p> <p><b>Deliverables:</b> This project will replace the existing software with a more robust and reliable application. The new application will provide flexibility to adapt to potential changes in the future, while also providing a reliable and supportable platform.</p>

**Operations and Reliability Products**

Reference Level Software	<p><b>Status:</b> This is a continuation of a multi-phased project focusing on the next generation of the Reference Level Software. In 2009 NYISO developed detailed requirements and a design. Implementation is scheduled for September 2010.</p> <p><b>Deliverables:</b> 2010 will focus on building and implementing the new Reference Level Software, as well as implementing required changes in other existing NYISO applications, e.g. MIS. It is critical that the NYISO continue to address several identified issues with the calculation and management of the reference price process, and to automate several manual processes related to the reference price process. NYISO will also certify that the reference level calculations are in compliance with required tariffs through an independent validation of application results. The certification will be completed prior to deploying the Reference Level Software to production.</p>
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Description	Status and Milestone Deliverables
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<p>Wind Management Evolution – Meteorological Data Submission</p>	<p><b>Status:</b> As more generation from wind resources is added to the system, it becomes increasingly important for NYISO to have strong tools at its disposal to manage these resources in a reliable manner. The NYISO has begun achieving that goal by implementing an intelligent wind power forecasting program, and a process to dispatch wind resources using an economic evaluation. Additionally, NYISO conducted a study assessing the implications of large wind integration in New York, including the impacts on market rules, grid reliability, system cost, and ancillary services.</p> <p><b>Deliverables:</b> This project will continue expanding NYISO's ability to effectively and reliably manage wind power integration into the NY Bulk Power Grid by providing NYISO operations with tools to enhance their ability to see significant wind ramp events before they occur through the enhanced collection of meteorological data from each wind resource.</p>
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<p>Outage Scheduler Phase III</p>	<p><b>Status:</b> Transmission and generator outage information is submitted to the NYISO by telephone, email, and/or fax. NYISO scheduling staff then approves or disapproves the outage request and manually enters the information into a proprietary database that exists outside of the Ranger operating environment. This proprietary database is used to produce required operating and market facing outage schedule reports. Phase 1 was successfully deployed in January 2009. Phase 2 was deployed in October 2009 and included integration with Ranger and automation of external interfaces. Phase 3 is scheduled for 2010.</p> <p><b>Deliverables:</b> This multi-phased project includes the replacement of the proprietary database, as well as automation of the manual processes to enter, manage and track outage information. This project also includes the automation and integration with Ranger, and the implementation of user-friendly web interfaces for TOs and Generators to submit outage requests and forced outage data.</p>
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Planning and TCC Market Product Enhancements	
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<p>TCC Auction Enhancement Features - Phase I</p>	<p><b>Status:</b> NYISO has engaged stakeholders in discussions regarding desired functionality in the end state. Specifically, the following functionality will be addressed as part of Phase 1:</p> <ul style="list-style-type: none"> <li>• Seasonal Auction Changes (An important feature of the end state auction engine is that it can simultaneously evaluate bids and offers for TCCs of multiple durations, permitting the NYISO to sell six-month and annual TCCs within the same auction round, and add auctions of TCCs additional durations, without extending the length of the auction).</li> <li>• Monthly Auction Changes (The ability of the end-state auction to simultaneous sell or reconfigure TCCs of multiple durations would enable the NYISO to expand its monthly auctions to reconfiguration auctions not only covering the next month, but the remainder of the capability period or the remainder of the year).</li> <li>• Expanding the availability of LTFTRs (per FERC's Order) to LSEs that seek to use non-historic points of injection and withdrawal as well as making LTFTRs available to non-LSEs.</li> </ul>
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Description	Status and Milestone Deliverables
	<p><b>Deliverables:</b> This is a multi-year project to provide for TCC Auction 'End State' functionality to include:</p> <ul style="list-style-type: none"> <li>• Remove restrictions on TCC sales in non-reconfiguration rounds in capability period auctions by providing the opportunity to sell TCCs in any round</li> <li>• Implement Multi Duration Capability Period Auctions</li> <li>• Balance of period (BOP) TCCs; revised structure of the monthly auctions</li> </ul>
CARIS Voting Software	<p><b>Status:</b> This project will provide NYISO with improved ability to meet CARIS requirements as outlined in NYISO's Compliance filing, Docket No. OA08-52-000, Section II, 6. &amp; 7. and, Attachment Y of the OATT, Section 15.6 in support of FERC Order 890. This software will support the CARIS voting process.</p> <p><b>Deliverables:</b> The CARIS voting software needs to automate the process of LSE project voting allowing for tracking results of the planning process for CARIS. Deliverables include:</p> <ul style="list-style-type: none"> <li>➤ An internal user interface for the NYISO Planning group to allow for customizing the LSE voting list by zone, and with respective weighting share for each CARIS project proposed</li> <li>➤ Ability to determine the vote weight of each LSE based on project criteria</li> <li>➤ Calculate the overall weighted LSE affirmative votes to two decimal places</li> </ul>

## Summary Description of FERC Regulatory Filings, Investigations and Rulemakings and Related Orders in NYISO Matters March 2010

<b>Filing Date</b>	<b>Filing Summary</b>	<b>Docket</b>	<b>Order Date</b>	<b>Order Summary</b>	<b>Outcome</b>
01/05/10	205 filing - Joint SGIA between NYISO, NMPC and Innovative Energy Systems (non-tariff filing)	ER10-554-000	03/01/10	FERC letter order accepting SGIA between NYISO, NMPC and Innovative Energy Systems	Accepted
01/05/10	205 filing - Joint SGIA between NYISO, NMPC and Chautauqua County (non-tariff filing)	ER10-555-000	03/01/10	FERC letter order accepting SGIA between NYISO, NMPC and Chautauqua County	Accepted
01/15/10	NYISO filing of its annual reports to FERC on the NYISO's DSM programs, new generation projects in the NYCA, and the ICAP Demand Curves	ER01-3001-025, ER03-647-015	03/25/10	FERC order granting NYISO's motion to advance the filing deadline for all future Demand Curve Reports and New Generation Projects Winter Reports moved from January 15 to December 20 of each year	Accepted
2/4/10	NYISO 205 filing Proposed tariff Revisions to Establish Credit Requirements for Two-Year Transmission Congestion Contracts	ER10-721-000	03/23/10	FERC letter order accepting revisions effective 4/6/10	Accepted
2/12/10	NYISO filed A Clarification to Tariff Revisions for the Development of Statewide Day-Ahead Reliability Unit Requests (DARU)	ER10-231-001	03/19/10	FERC letter order accepting 2/12/10 compliance filing effective 1/13/10	Accepted
2/17/10	NYISO filed a Supplemental Letter Regarding Request for Waiver of the Limit of Six Months on the Application of Mitigation Measures to Three Generators	ER09-1682-000	03/08/10	FERC Letter order Granting NYISO's requested waiver of the six-month time limit of Section 4.7 on the application of mitigation under Rate Schedule M-1, subject to further orders of the Commission	Accepted
03/02/10	NYISO filed an Answer to Motion for Leave to File Supplemental Protest of Generation Owners	ER09-1682-000			
03/02/10	NYISO 205 filing on strategic tariff review on Virtual Trading and Eligibility Tariff Provisions	ER10-841-000			

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03/04/10	NYISO Submits Compliance Filing to Revise OATT Attachment X Tariff Sheets to Reflect Effective Date (Class year 09).	ER10-573-001			
3/5/10	NYISO Submits its Motion for Leave to Answer, and its Answer to, the Motion to Intervene and Answer of DC Energy, LLC and the Motion to Intervene and Protest of Independent Power Producers of New York, Inc	EL10-33-000			
3/8/10	NYISO filed Comments in response to the technical conference regarding RTO/ISOs' responsiveness to stakeholders and customers	ER09-1142-000			
3/12/10	NYISO filed an errata to it's tariff revisions regarding virtual trading and eligibility tariff provisions.	ER10- 841-000			
3/23/10	NYISO Errata Filing of Unrevised Text to Sheet No. 133 of Services Tariff under Implement the External Capacity Resource Interconnection Service Rights Proposal Filing.	ER04-449-022			
03/26/10	NYISO 205 Filing to clarify certain meter data posting and customer review timelines included in the NYISO's tariff provisions for billing and payment	ER10-940-000			
3/29/10	NYISO filed Comments on the Commission's January 21, 2010 Notice of Inquiry (NOI) regarding Transmission Loading Relief Reliability Standard and Curtailment Priorities	RM10-9-000			
3/29/10	NYISO filed comments in response to FERC's NOPR on Credit Reforms in Organized Wholesale Electric Markets	RM10-13-000			
3/31/10	NYISO filing of tariff revisions to revise provisions concerning the Transmission Congestion Contracts (TCCs) market	ER10-982-000			