



# Monthly Report

**March 2009**

**Rana Mukerji**

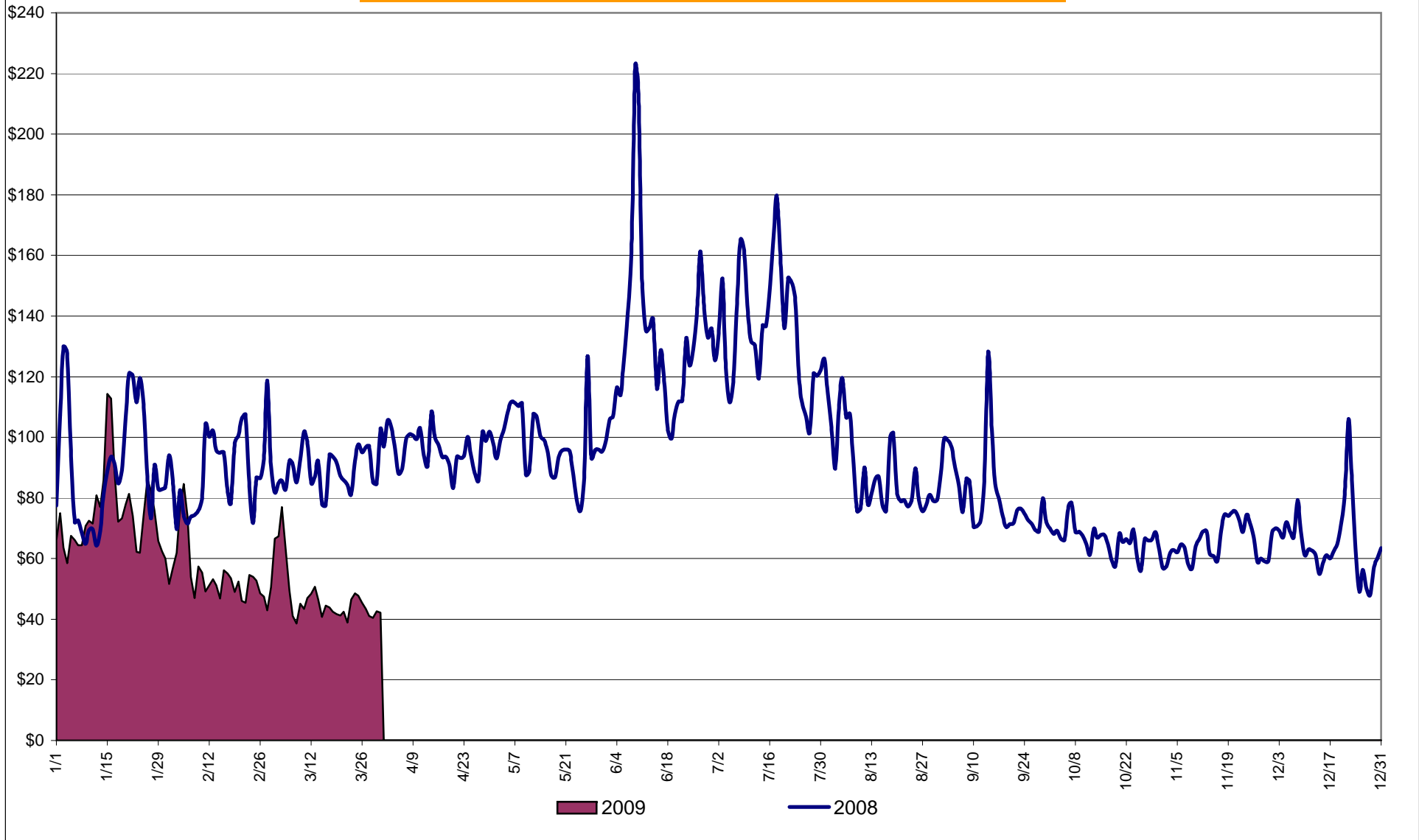
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# Market Performance Highlights for March 2009

- LBMP for March is \$45.63/MWh, down from \$52.73/MWh in February 2009.
  - Average monthly cost is \$48.06/MWh, down from \$55.49/MWh in February 2009.
  - Day Ahead and Real Time LBMPs have decreased from February 2009.
- Average daily sendout is 422GWh/day in March, down from 447GWh/day in February 2009 and lower than the March 2008 amount of 432GWh/day.
- Gas prices are down this month while the other fuels are mixed compared to last month.
  - Kerosene is \$10.11/MMBtu, down from \$10.16/MMBtu in February.
  - No. 2 Fuel Oil is \$9.12/MMBtu, down from \$9.22/MMBtu in February.
  - No. 6 Fuel Oil is \$7.24/MMBtu, up from \$7.21/MMBtu in February.
  - Natural Gas is \$5.00/MMBtu, down from \$6.06/MMBtu in February.
- Uplift is lower this month compared to February 2009.
  - Uplift (not including NYISO cost of operations) is \$0.21/MWh, down from \$0.41/MWh in February 2009.
  - Total uplift (Schedule 1 components including NYISO Cost of Operations) decreased from \$13.6 million in February to \$11.4 million in March 2009.

**Daily NYISO Average Cost/MWh (Energy & Ancillary Services)\***  
**2008 Annual Average \$95.31/MWh**  
**March 2008 YTD Average \$90.98/MWh**  
**March 2009 YTD Average \$60.96/MWh**



\* Excludes ICAP payments.

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

<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	73.28	52.73	45.63									
NTAC	0.45	0.53	0.36									
Reserve	0.26	0.35	0.31									
Regulation	0.45	0.48	0.55									
NYISO Cost of Operations	0.65	0.65	0.65									
Uplift	0.11	0.41	0.21									
Voltage Support and Black Start	0.34	0.34	0.34									
<b>Avg Monthly Cost</b>	75.54	55.49	48.06									
Avg YTD Cost	75.54	66.82	60.96									

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<b>2008</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	87.00	85.62	85.28	91.20	87.20	128.17	131.34	85.61	80.16	63.61	62.54	63.73
NTAC	0.34	0.43	0.41	0.62	0.48	0.78	1.04	0.66	0.69	0.58	1.28	0.63
Reserve	0.38	0.48	0.55	0.46	0.34	0.27	0.28	0.25	0.27	0.35	0.27	0.26
Regulation	0.54	0.57	0.61	0.53	0.50	0.52	0.44	0.49	0.54	0.53	0.49	0.44
NYISO Cost of Operations	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
Uplift	3.10	2.48	2.01	2.58	8.53	5.52	3.54	1.39	0.43	0.59	0.11	0.41
Voltage Support and Black Start	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
<b>Avg Monthly Cost</b>	92.37	90.58	89.87	96.40	98.07	136.26	137.65	89.41	83.08	66.67	65.69	66.48
Avg YTD Cost	92.37	91.52	90.98	92.26	93.37	101.31	107.98	105.57	103.30	100.31	97.63	95.31

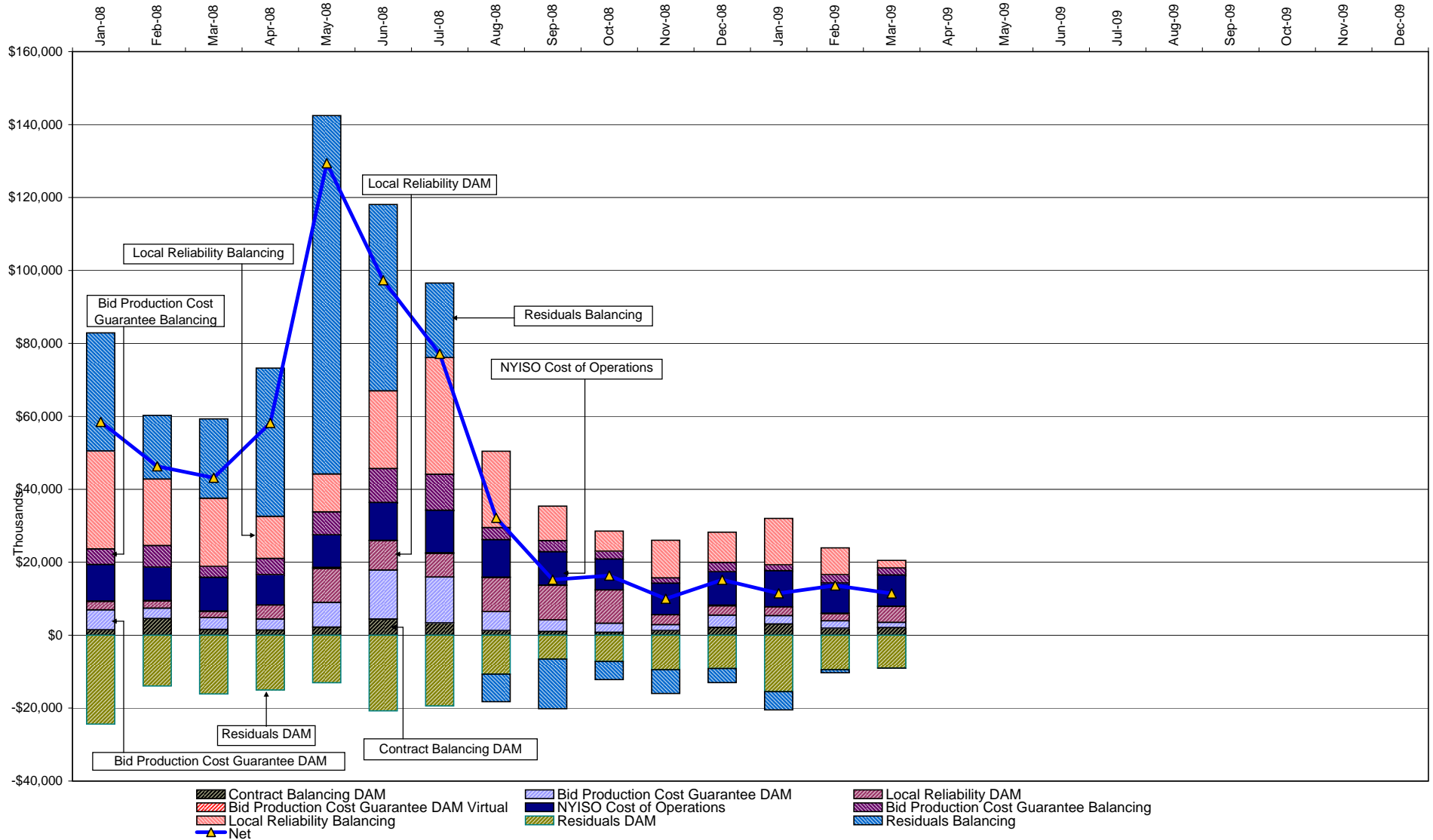
\* Excludes ICAP payments.

These numbers reflect the true-ups of 2008.

Market Monitoring

Prepared: 4/7/2009 10:45

## NYISO Dollar Flows - Uplift- OATT Schedule 1 components - Data through March 31, 2009



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>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									
DAM LSE Internal LBMP Energy Sales	45%	44%	46%									
DAM External TC LBMP Energy Sales	4%	2%	1%									
DAM Bilateral - Internal Bilaterals	45%	47%	45%									
DAM Bilateral - Import/Non-LBMP Market Bilaterals	4%	5%	5%									
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%									
DAM Bilateral - Wheel Through Bilaterals	0%	0%	0%									
<b>Balancing Energy Market MWh</b>	699,631	283,724	71,936									
Balancing Energy LSE Internal LBMP Energy Sales	56%	39%	-106%									
Balancing Energy External TC LBMP Energy Sales	38%	46%	147%									
Balancing Energy Bilateral - Internal Bilaterals	8%	19%	67%									
Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals	0%	0%	0%									
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	1%	5%	16%									
Balancing Energy Bilateral - Wheel Through Bilaterals	-2%	-10%	-24%									
<b>Transactions Summary</b>												
LBMP	51%	47%	48%									
Internal Bilaterals	43%	46%	45%									
Import Bilaterals	4%	5%	5%									
Export Bilaterals	2%	2%	2%									
Wheels Through	0%	0%	0%									
<b>Market Share of Total Load</b>												
Day Ahead Market	95.4%	97.8%	99.5%									
Balancing Energy +	4.6%	2.2%	0.5%									
Total MWh	15,270,021	12,794,733	13,232,849									
Average Daily Energy Sendout/Month GWh	470	447	422									

<b>2008</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>	14,984,732	13,722,512	13,744,999	12,645,499	13,325,474	15,365,697	17,761,482	15,971,685	13,927,588	13,081,095	13,117,299	13,947,259
DAM LSE Internal LBMP Energy Sales	42%	42%	45%	48%	42%	45%	47%	45%	45%	44%	41%	44%
DAM External TC LBMP Energy Sales	9%	7%	5%	4%	6%	5%	8%	7%	4%	3%	5%	2%
DAM Bilateral - Internal Bilaterals	43%	43%	43%	40%	45%	43%	39%	42%	44%	46%	46%	47%
DAM Bilateral - Import/Non-LBMP Market Bilaterals	5%	5%	5%	5%	4%	4%	4%	4%	5%	4%	5%	5%
DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%	1%	1%	2%	2%	2%	1%	1%	1%	2%	2%	2%
DAM Bilateral - Wheel Through Bilaterals	0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	0%	0%
<b>Balancing Energy Market MWh</b>	912,477	829,794	1,020,858	767,755	908,796	1,107,024	834,886	389,313	635,380	397,842	605,209	613,724
Balancing Energy LSE Internal LBMP Energy Sales	23%	50%	19%	-3%	3%	35%	47%	45%	64%	29%	43%	50%
Balancing Energy External TC LBMP Energy Sales	68%	48%	78%	97%	98%	56%	53%	47%	36%	84%	64%	55%
Balancing Energy Bilateral - Internal Bilaterals	6%	1%	3%	4%	-2%	5%	3%	6%	4%	7%	0%	1%
Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	1%
Balancing Energy Bilateral - Wheel Through Bilaterals	2%	1%	1%	2%	2%	5%	-2%	3%	-4%	-20%	-7%	-6%
<b>Transactions Summary</b>												
LBMP	53%	52%	53%	55%	52%	53%	57%	53%	51%	49%	49%	49%
Internal Bilaterals	41%	41%	40%	38%	42%	40%	37%	41%	42%	45%	44%	45%
Import Bilaterals	5%	5%	4%	5%	4%	4%	4%	4%	5%	4%	5%	5%
Export Bilaterals	1%	1%	1%	2%	2%	2%	1%	1%	1%	2%	2%	2%
Wheels Through	0%	1%	1%	1%	1%	1%	1%	1%	1%	0%	0%	0%
<b>Market Share of Total Load</b>												
Day Ahead Market	94.3%	94.3%	93.1%	94.3%	93.6%	93.3%	95.5%	97.6%	95.6%	97.0%	95.6%	95.8%
Balancing Energy +	5.7%	5.7%	6.9%	5.7%	6.4%	6.7%	4.5%	2.4%	4.4%	3.0%	4.4%	4.2%
Total MWh	15,897,209	14,552,307	14,765,858	13,413,255	14,234,270	16,472,720	18,596,368	16,360,998	14,562,968	13,478,936	13,722,508	14,560,983
Average Daily Energy Sendout/Month GWh	456	455	432	406	403	499	541	488	461	412	424	452

+ 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 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									
Standard Deviation	\$19.46	\$13.06	\$12.24									
Load Weighted Price **	\$72.36	\$52.15	\$44.64									
<b><u>RTC LBMP</u></b>												
Price *	\$69.26	\$51.46	\$43.88									
Standard Deviation	\$23.37	\$21.26	\$20.38									
Load Weighted Price **	\$70.80	\$52.72	\$45.21									
<b><u>REAL TIME LBMP</u></b>												
Price *	\$68.14	\$50.62	\$43.73									
Standard Deviation	\$23.66	\$20.30	\$22.27									
Load Weighted Price **	\$69.80	\$52.14	\$45.36									
Average Daily Energy Sendout/Month GWh	470	447	422									

### NYISO Markets 2008 Energy Statistics

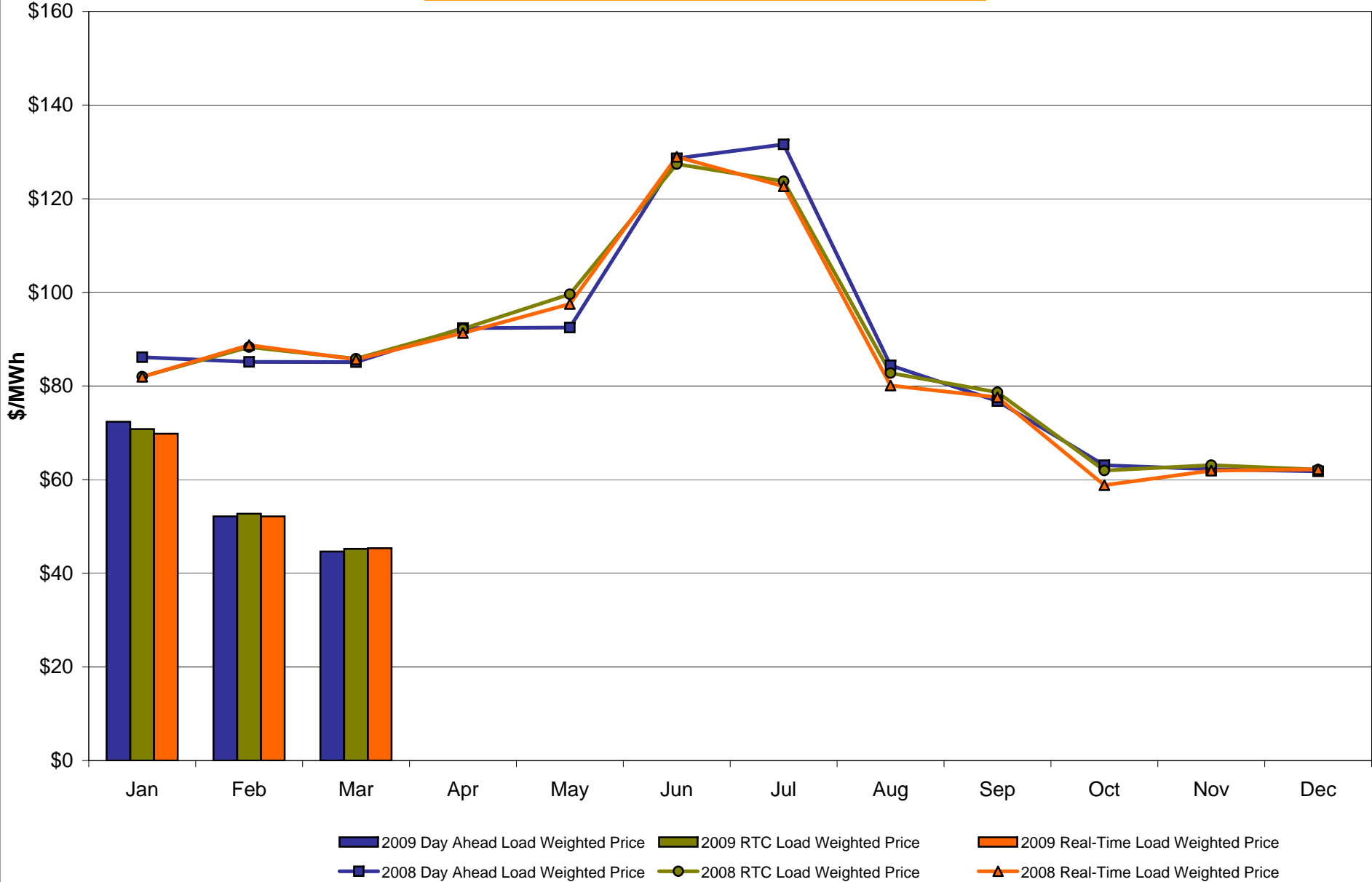
	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<b><u>DAY AHEAD LBMP</u></b>												
Price *	\$83.07	\$82.66	\$83.11	\$89.77	\$89.35	\$121.83	\$125.89	\$81.02	\$74.07	\$61.37	\$60.60	\$60.02
Standard Deviation	\$28.43	\$22.45	\$17.97	\$19.87	\$23.21	\$41.13	\$38.25	\$21.91	\$17.78	\$13.20	\$13.04	\$16.61
Load Weighted Price **	\$86.14	\$85.14	\$85.09	\$92.37	\$92.48	\$128.61	\$131.60	\$84.41	\$76.77	\$63.06	\$62.23	\$61.76
<b><u>RTC LBMP</u></b>												
Price *	\$79.46	\$85.91	\$83.81	\$90.48	\$96.21	\$120.88	\$119.78	\$80.23	\$75.23	\$60.39	\$61.67	\$60.24
Standard Deviation	\$35.00	\$60.79	\$34.42	\$31.97	\$61.32	\$64.44	\$53.84	\$39.90	\$49.92	\$26.42	\$16.96	\$31.25
Load Weighted Price **	\$81.98	\$88.30	\$85.82	\$92.22	\$99.59	\$127.40	\$123.71	\$82.76	\$78.66	\$61.95	\$63.08	\$62.14
<b><u>REAL TIME LBMP</u></b>												
Price *	\$79.00	\$85.89	\$83.51	\$89.37	\$93.72	\$120.05	\$118.37	\$77.34	\$72.47	\$57.30	\$60.24	\$59.55
Standard Deviation	\$38.83	\$49.87	\$33.64	\$31.14	\$59.68	\$80.00	\$49.42	\$33.97	\$56.87	\$22.16	\$17.79	\$31.29
Load Weighted Price **	\$81.97	\$88.72	\$85.68	\$91.31	\$97.50	\$128.95	\$122.64	\$80.09	\$77.60	\$58.81	\$61.91	\$62.19
Average Daily Energy Sendout/Month GWh	456	455	432	406	403	499	541	488	461	412	424	452

\* Average zonal load weighted prices.

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



# NYISO Monthly Average Internal LBMPs 2008 - 2009

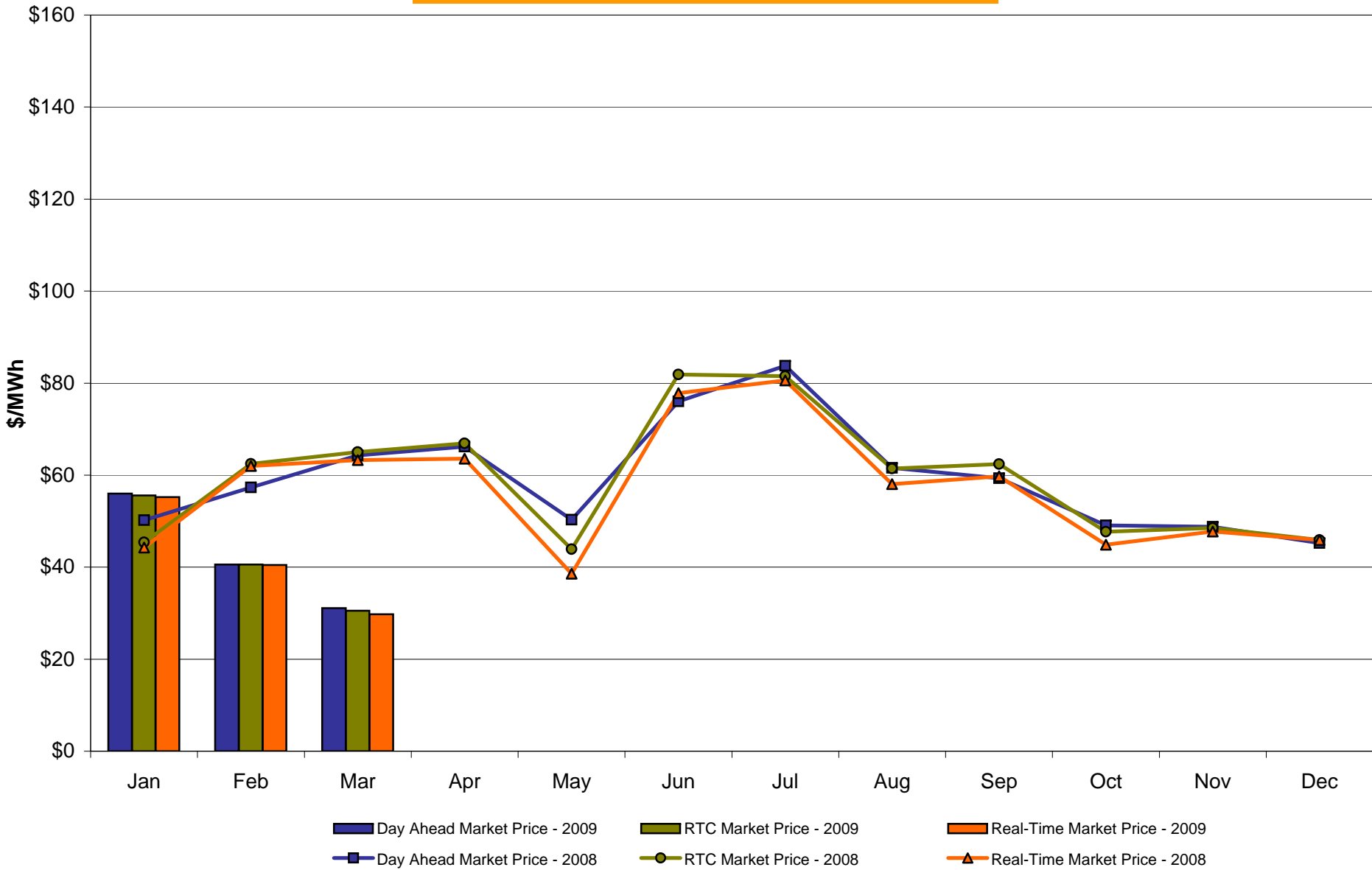


**March 2009 Zonal LBMP Statistics for NYISO (\$/MWh)**

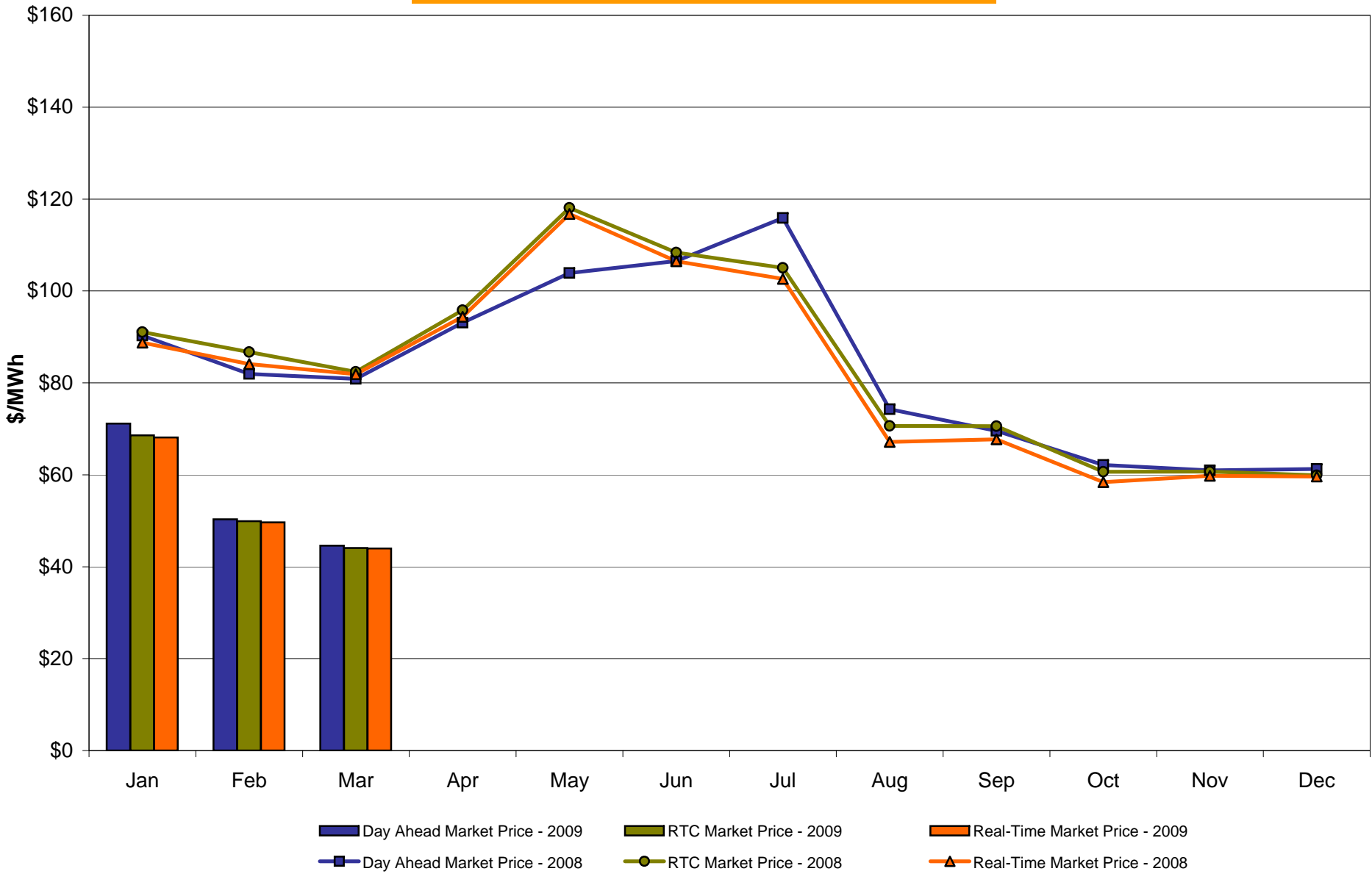
	<u>WEST</u> <u>Zone A</u>	<u>GENESEE</u> <u>Zone B</u>	<u>NORTH</u> <u>Zone D</u>	<u>CENTRAL</u> <u>Zone C</u>	<u>MOHAWK</u> <u>VALLEY</u> <u>Zone E</u>	<u>CAPITAL</u> <u>Zone F</u>	<u>HUDSON</u> <u>VALLEY</u> <u>Zone G</u>	<u>MILLWOOD</u> <u>Zone H</u>	<u>DUNWOODIE</u> <u>Zone I</u>	<u>NEW YORK</u> <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 *	31.11	35.10	35.11	36.84	38.22	44.59	44.30	45.03	45.10	48.68	50.78
Standard Deviation	8.32	8.90	8.54	8.94	9.40	12.47	11.50	11.89	11.87	15.77	18.57
<b><u>RTC LBMP</u></b>											
Unweighted Price *	30.53	36.06	35.51	37.67	38.89	44.08	44.38	44.82	44.81	49.10	53.07
Standard Deviation	17.84	18.35	18.42	18.84	19.66	20.36	20.19	20.45	20.38	23.63	30.37
<b><u>REAL TIME LBMP</u></b>											
Unweighted Price *	29.75	35.23	34.62	36.82	38.02	43.96	44.41	45.11	45.06	49.98	51.88
Standard Deviation	18.10	18.88	19.12	19.39	20.24	21.40	22.26	23.24	23.18	28.17	34.37
	<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 *	32.75	35.44	34.93	41.16	44.17	50.35	46.45	49.71			
Standard Deviation	8.13	8.31	8.27	10.47	11.63	18.36	18.00	18.13			
<b><u>RTC LBMP</u></b>											
Unweighted Price *	32.55	30.03	16.21	41.92	43.30	48.58	46.27	47.96			
Standard Deviation	30.10	65.73	115.22	30.77	30.25	32.66	44.32	32.53			
<b><u>REAL TIME LBMP</u></b>											
Unweighted Price *	33.05	35.86	34.22	41.25	43.98	52.03	49.85	51.39			
Standard Deviation	38.96	39.85	40.42	40.00	39.62	48.16	61.58	48.04			

\* Straight LBMP averages

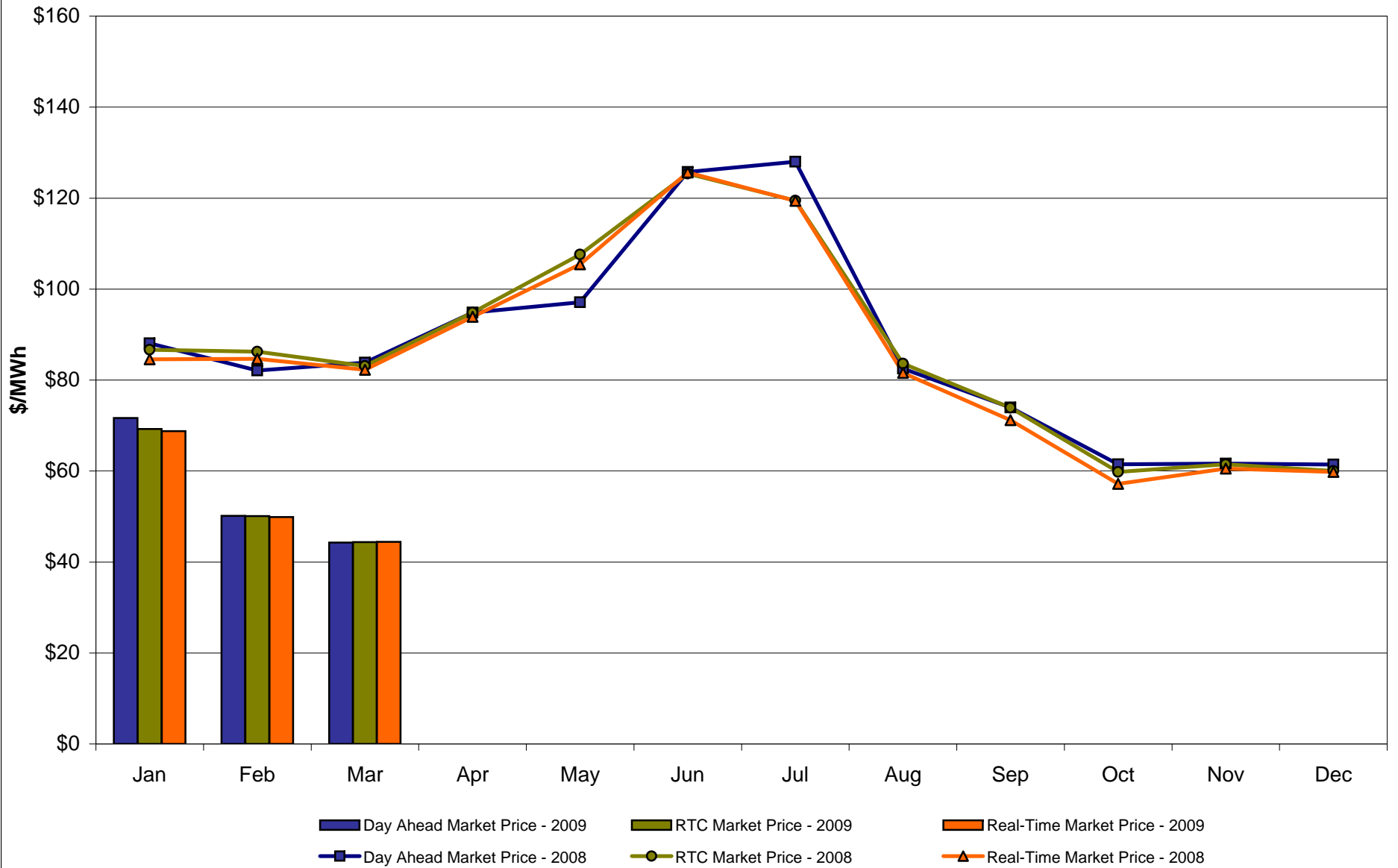
## West Zone A Monthly Average LBMP Prices 2008 - 2009



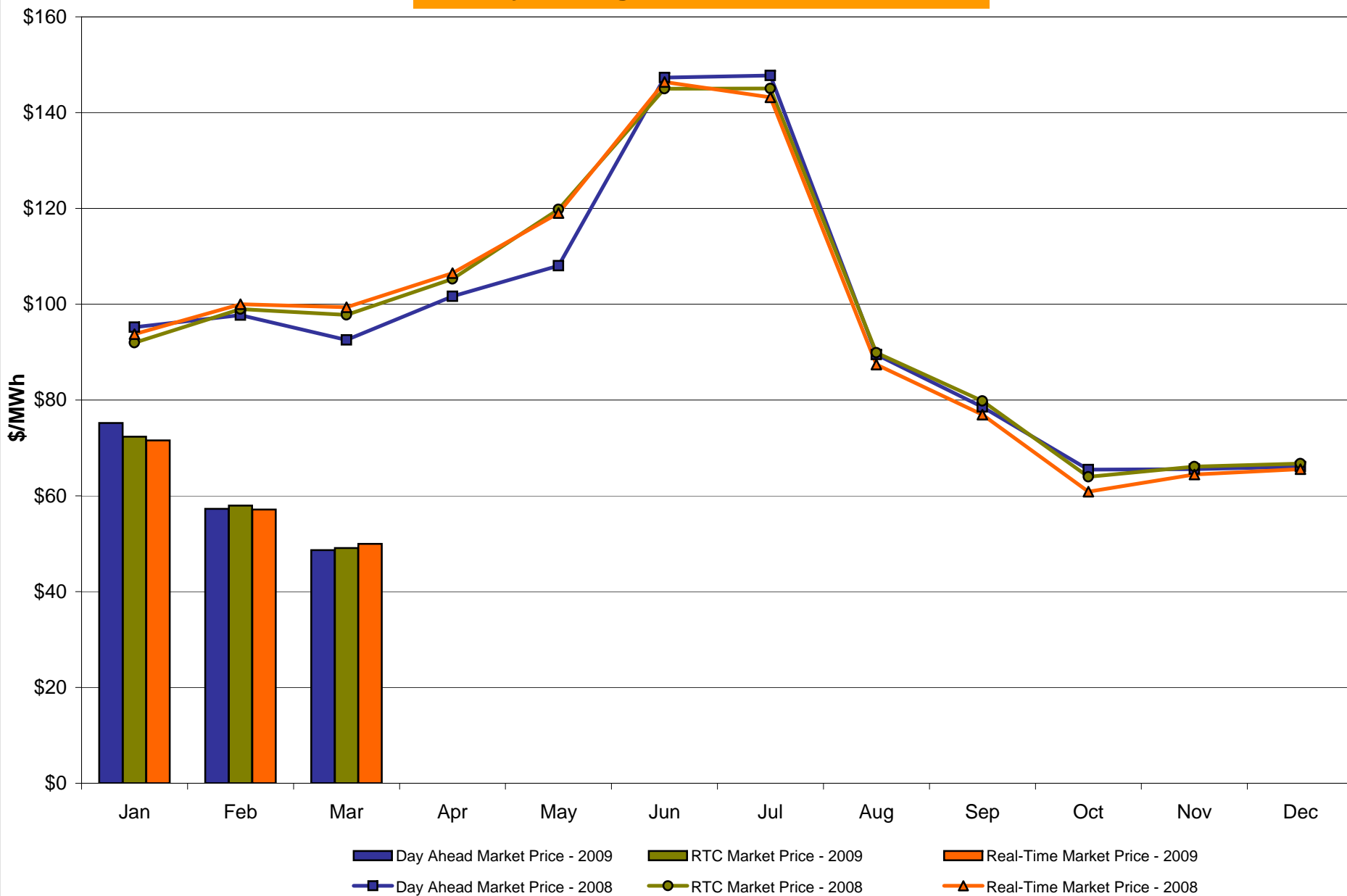
## Capital Zone F Monthly Average LBMP Prices 2008 - 2009



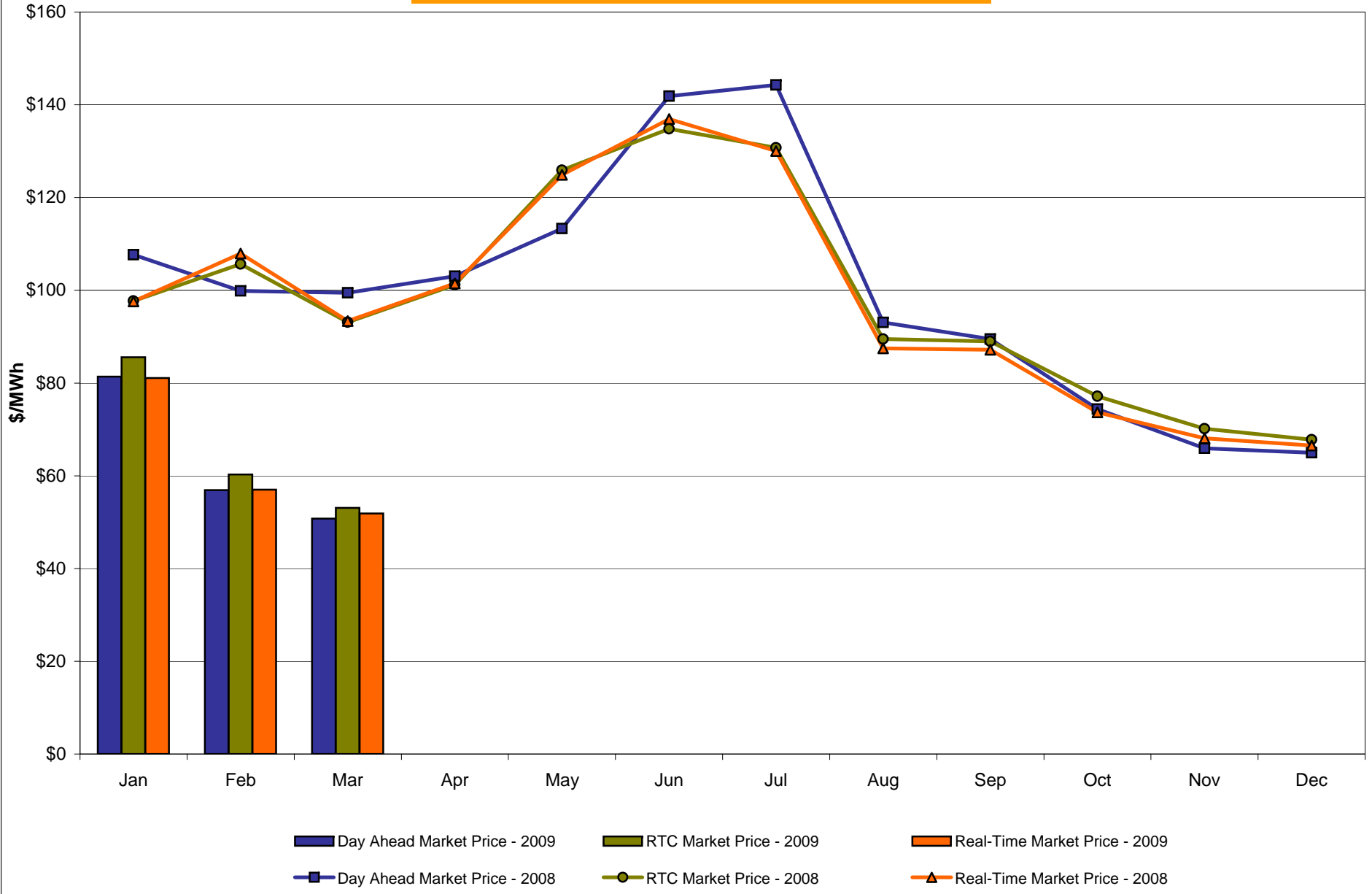
## Hudson Valley Zone G Monthly Average LBMP Prices 2008 - 2009



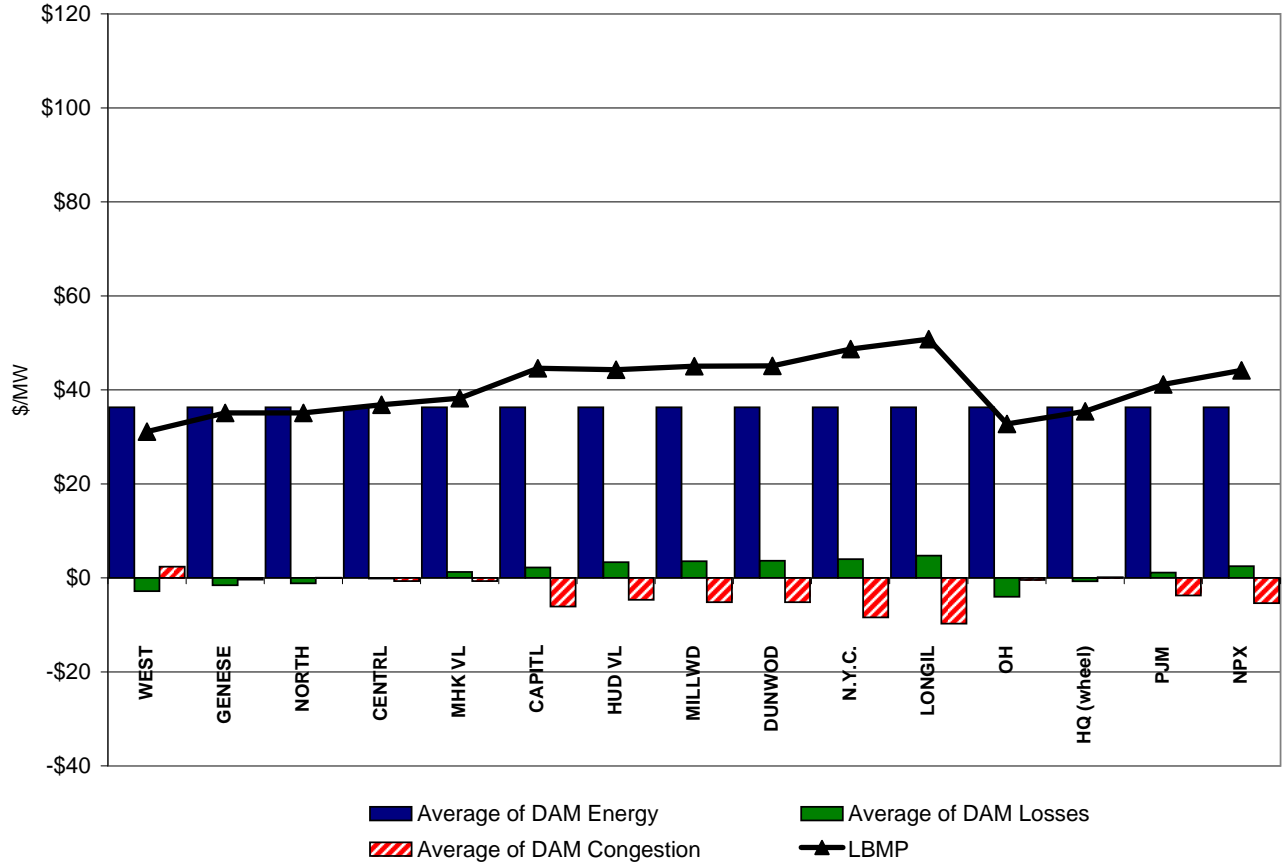
## NYC Zone J Monthly Average LBMP Prices 2008 - 2009



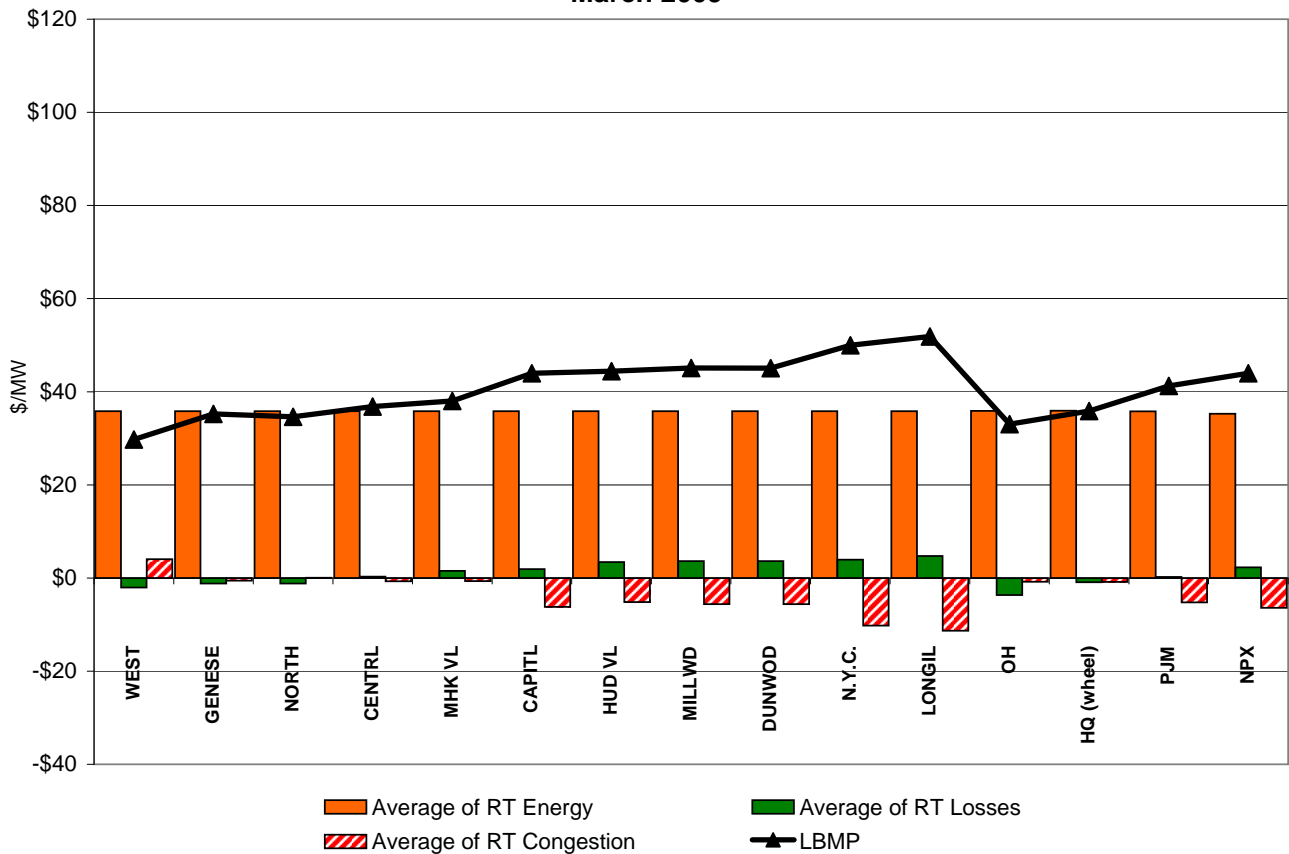
## Long Island Zone K Monthly Average LBMP Prices 2008 - 2009



### DAM Zonal Unweighted Monthly Average LBMP Components March 2009



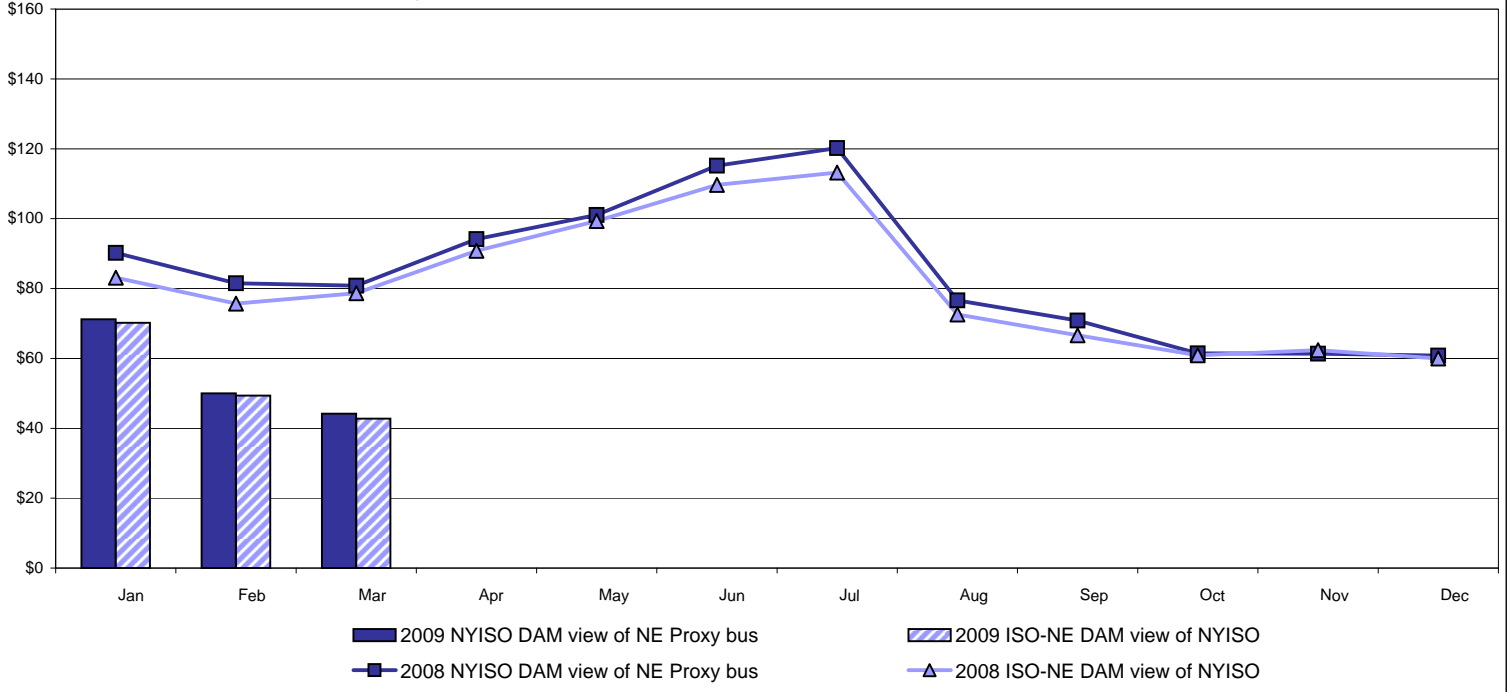
### RT Zonal Unweighted Monthly Average LBMP Components March 2009



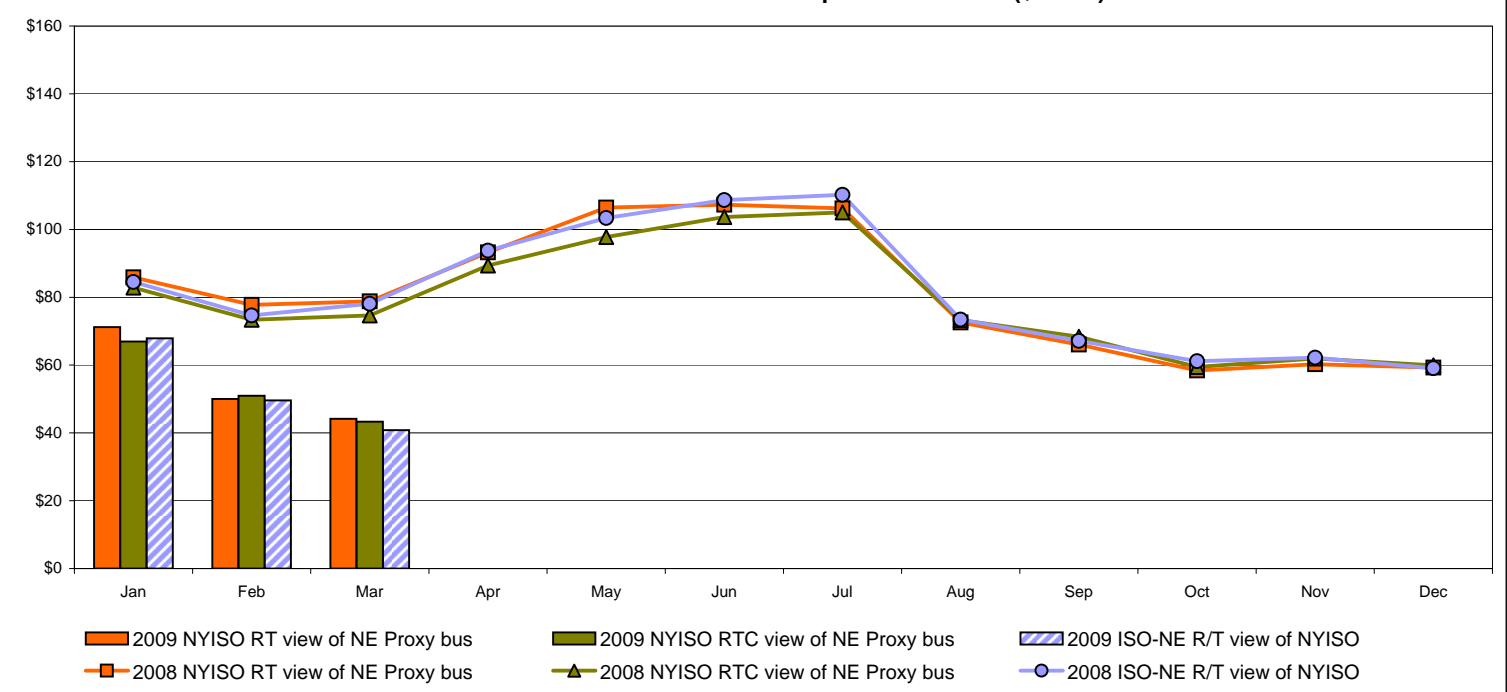


# External Comparison ISO-New England

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

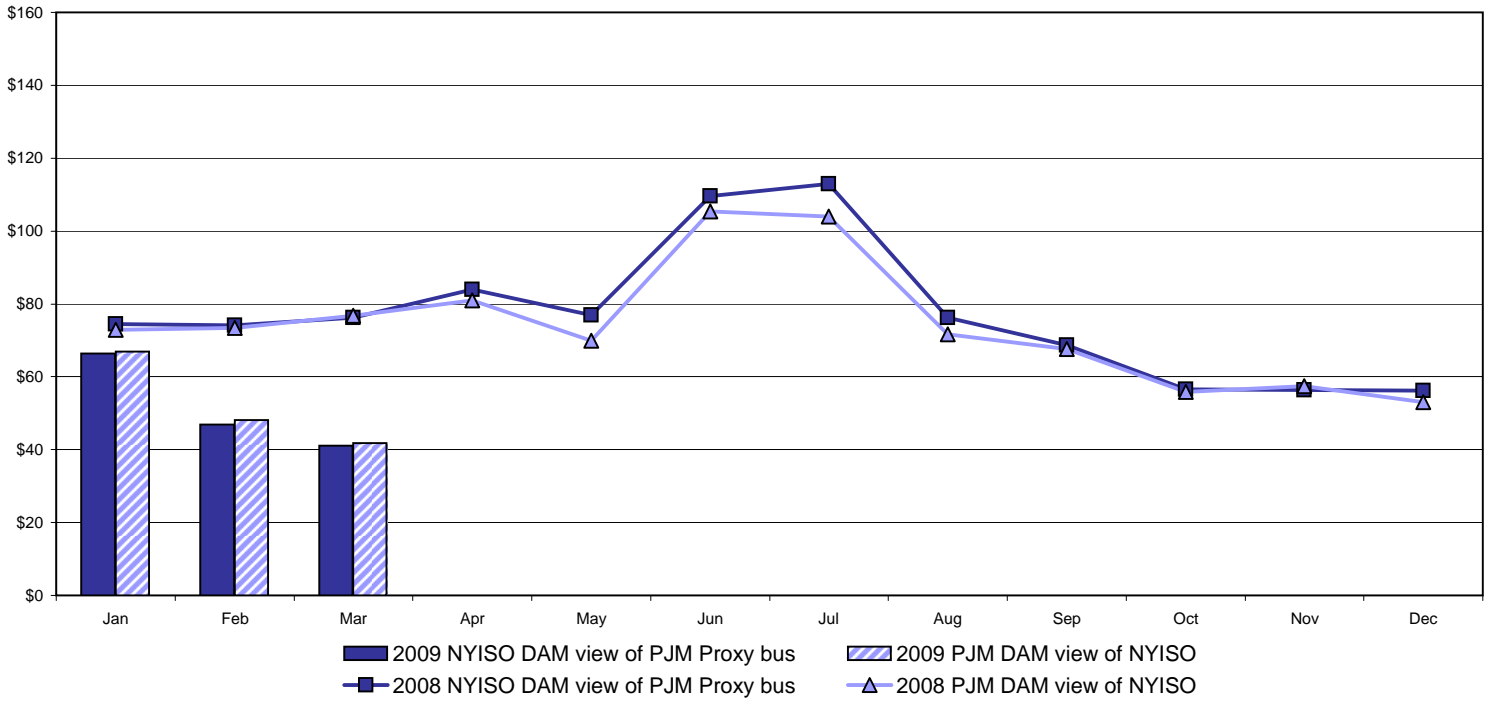


## Real Time Market External Zone Comparison: ISO-NE (\$/MWh)

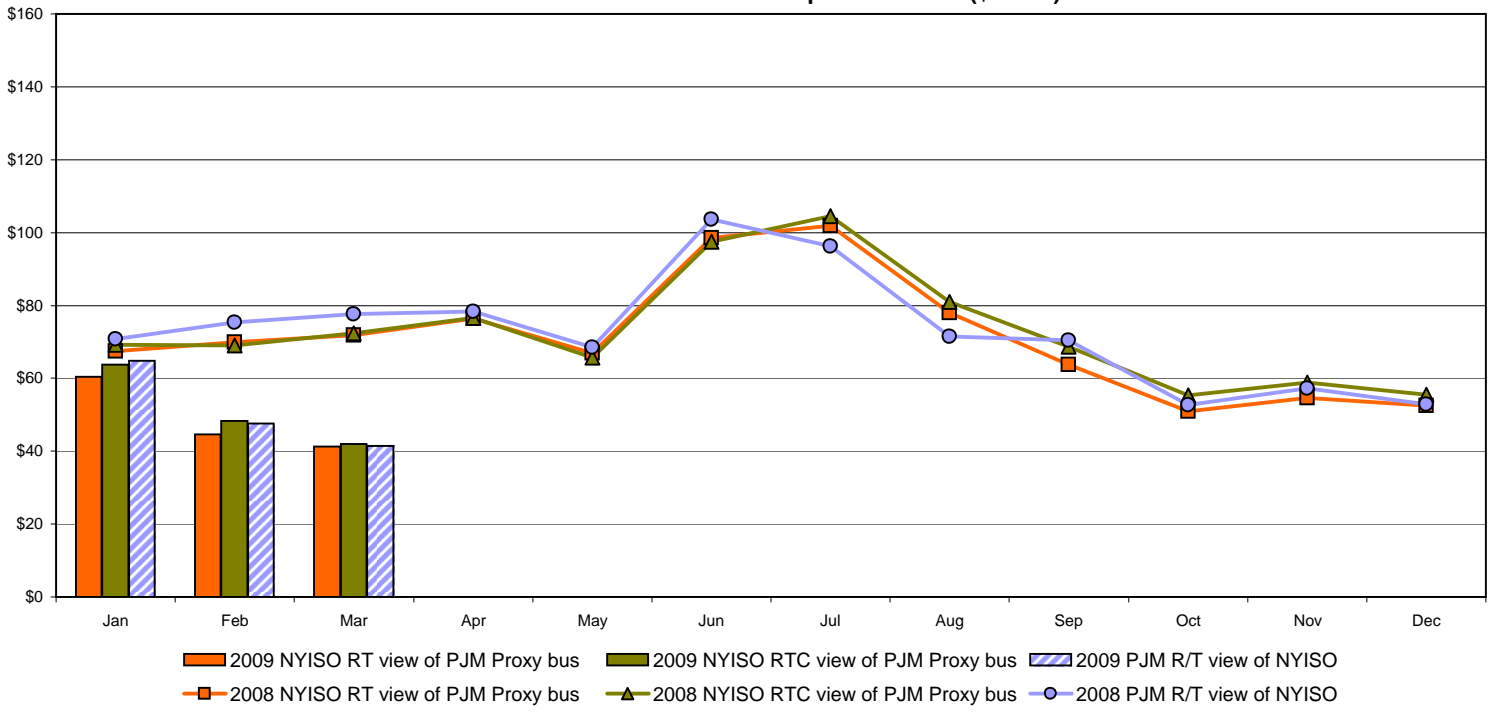


# External Comparison PJM

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

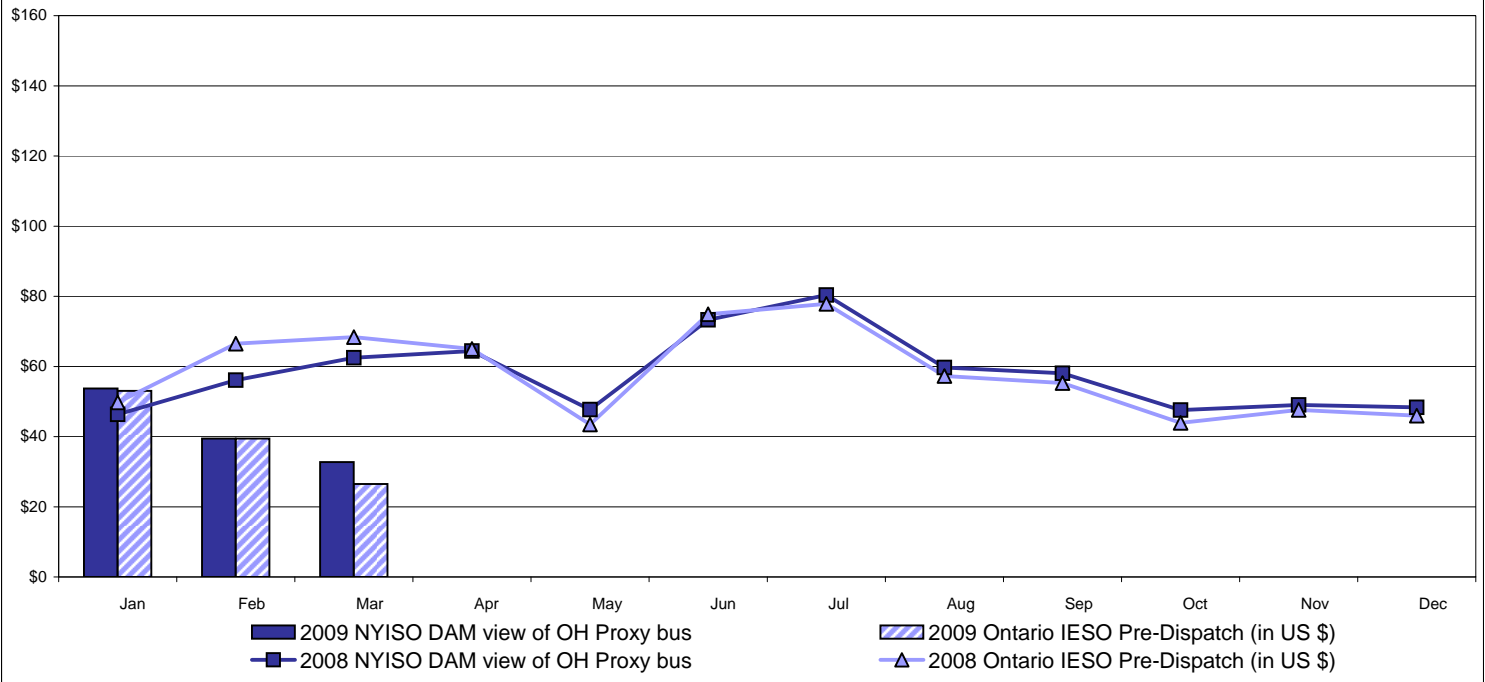


## Real Time Market External Zone Comparison - PJM (\$/MWh)

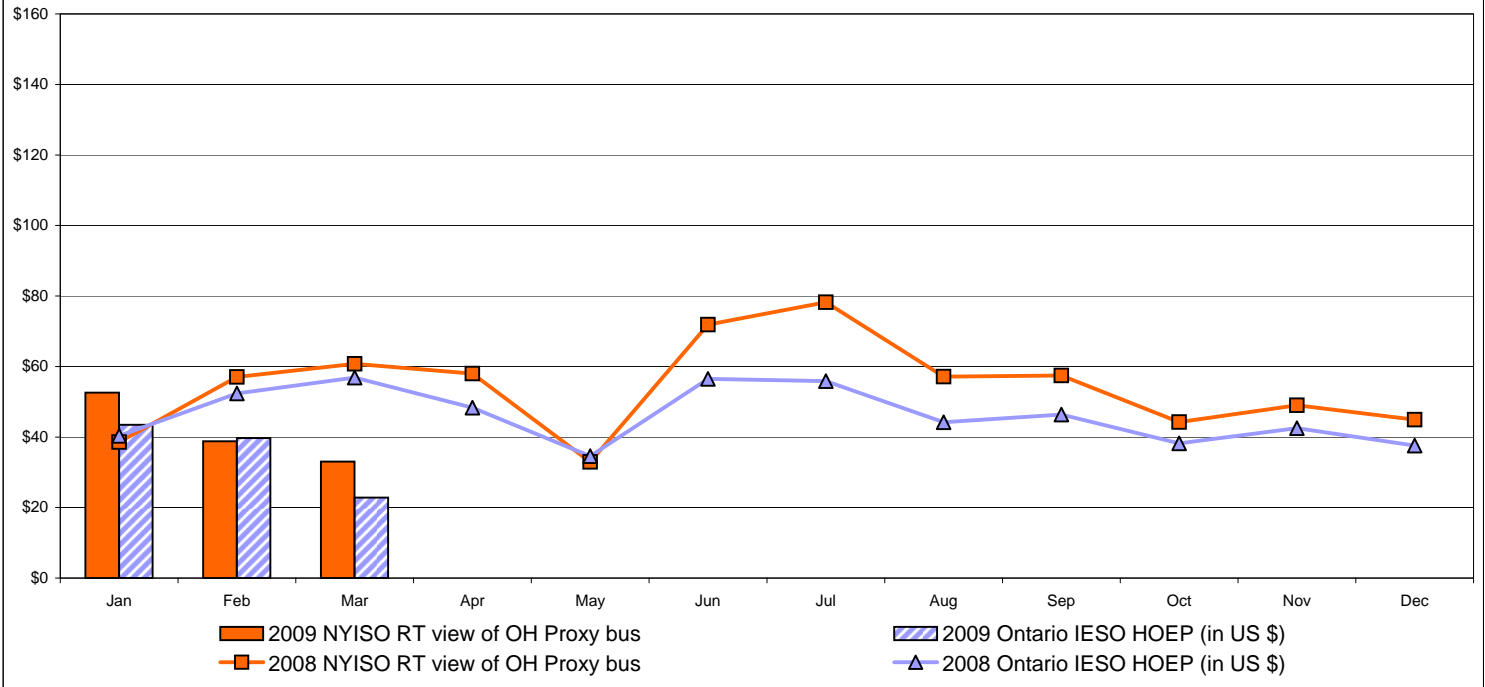


# External Comparison Ontario IESO

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

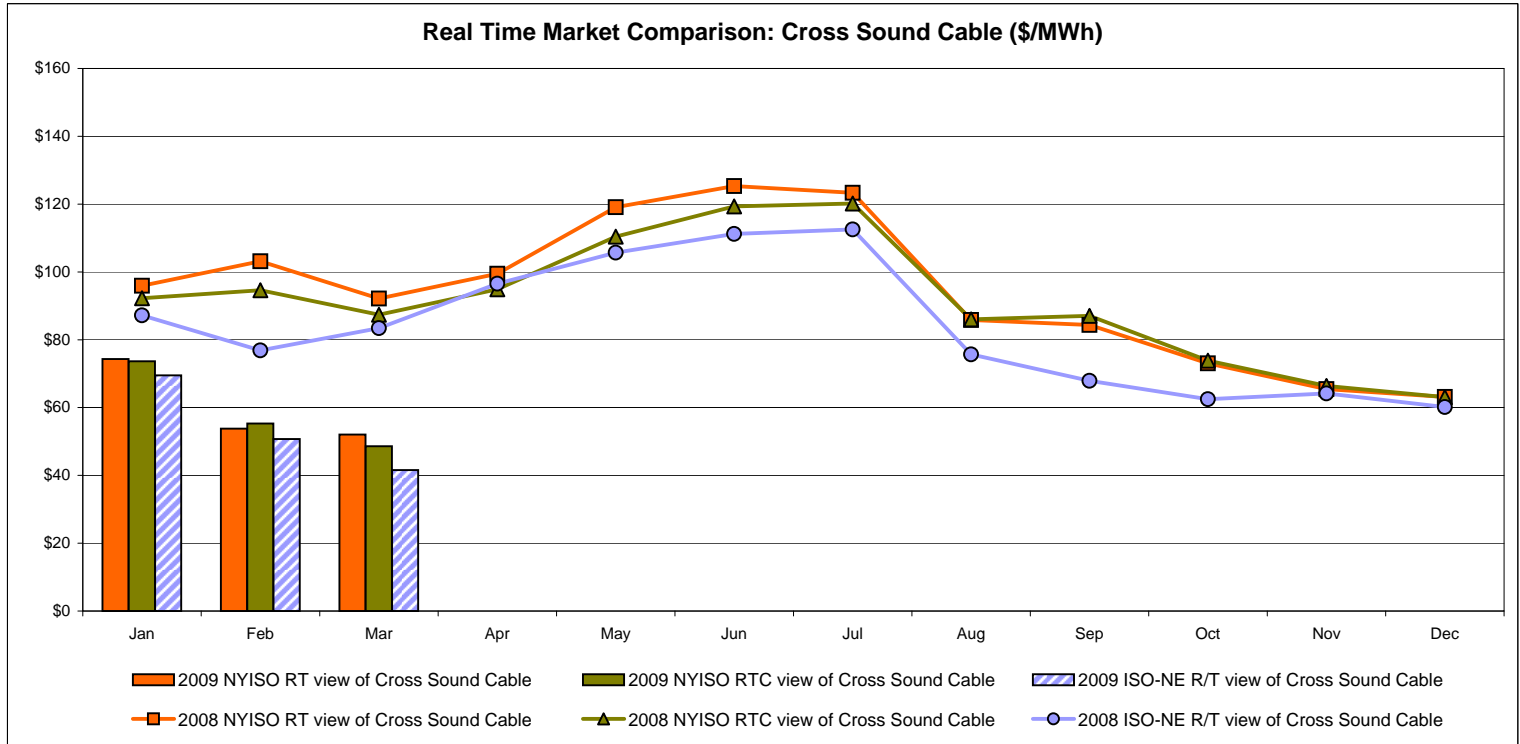
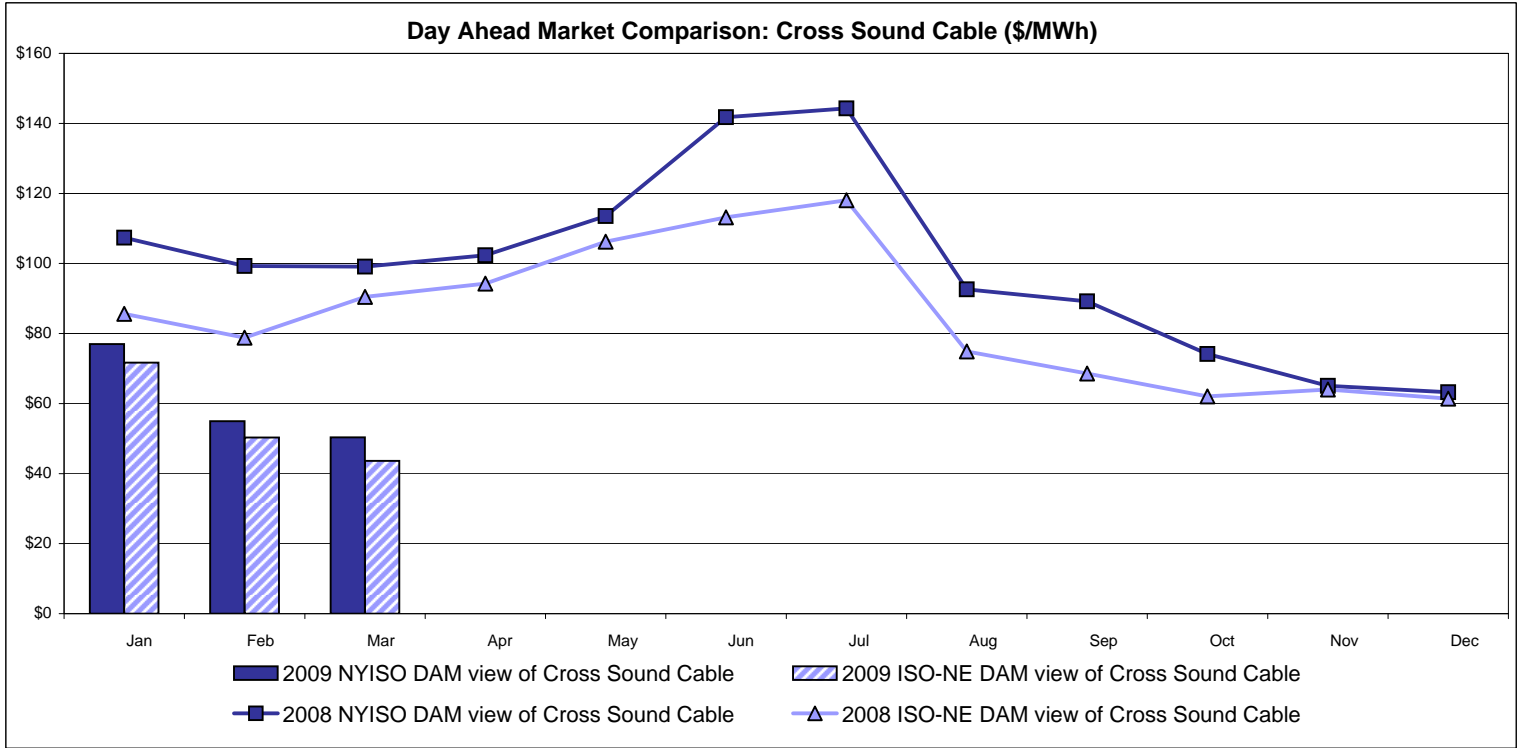


## Real Time Market External Zone Comparison - Ontario IESO (\$/MWh)



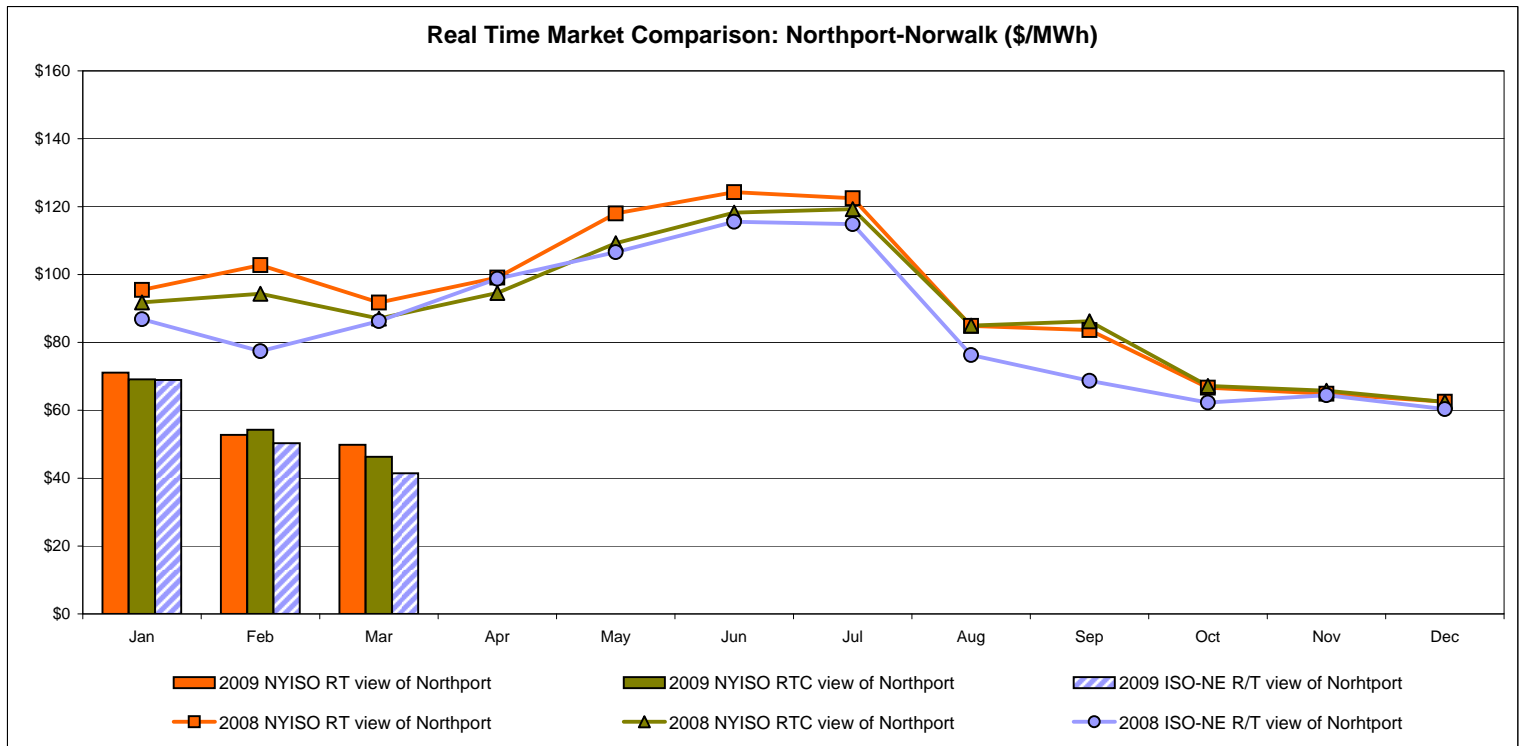
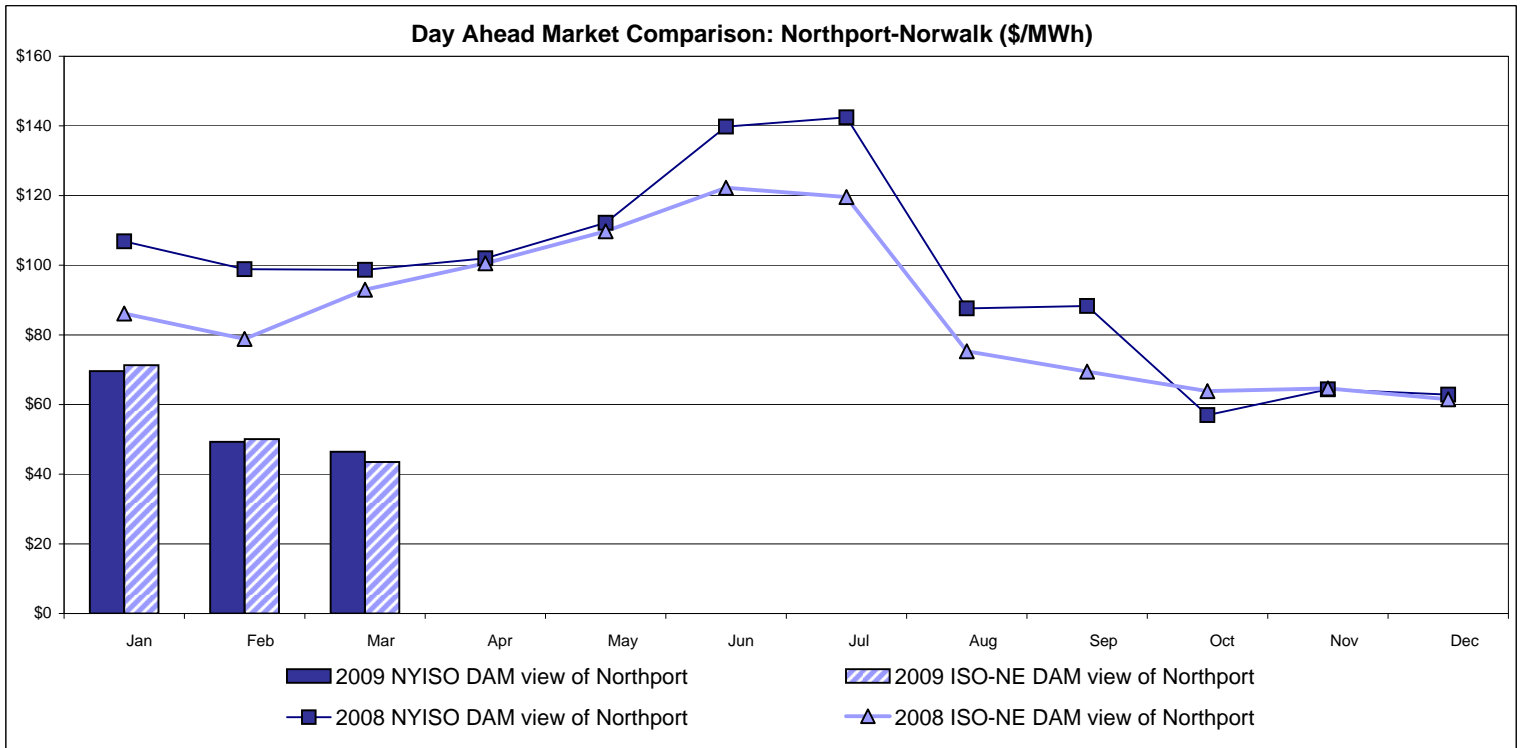
Notes: Exchange factor used for March 2009 was .79 to US \$  
 HOEP: Hourly Ontario Energy Price  
 Pre-Dispatch: Projected Energy Price

# 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.

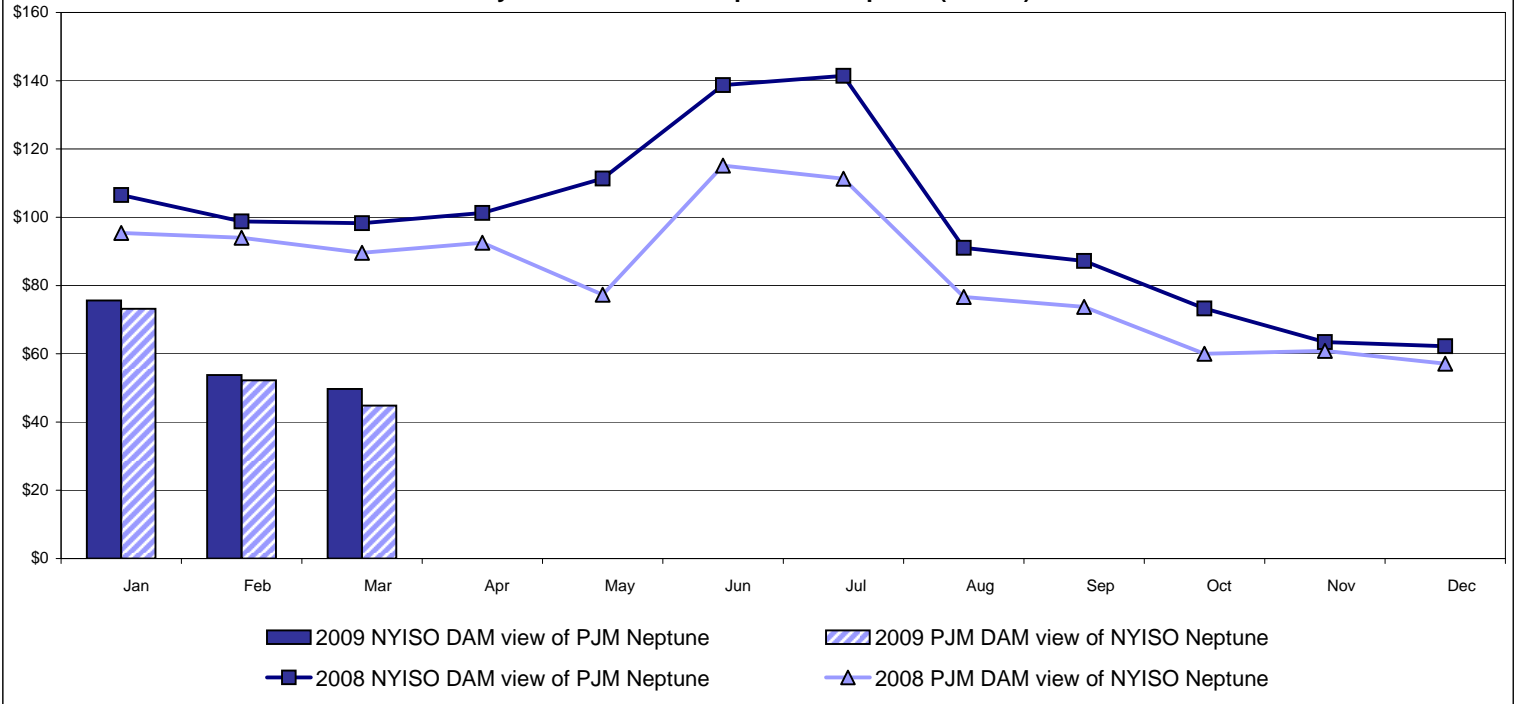
# External Controllable Line: Northport - Norwalk (New England)



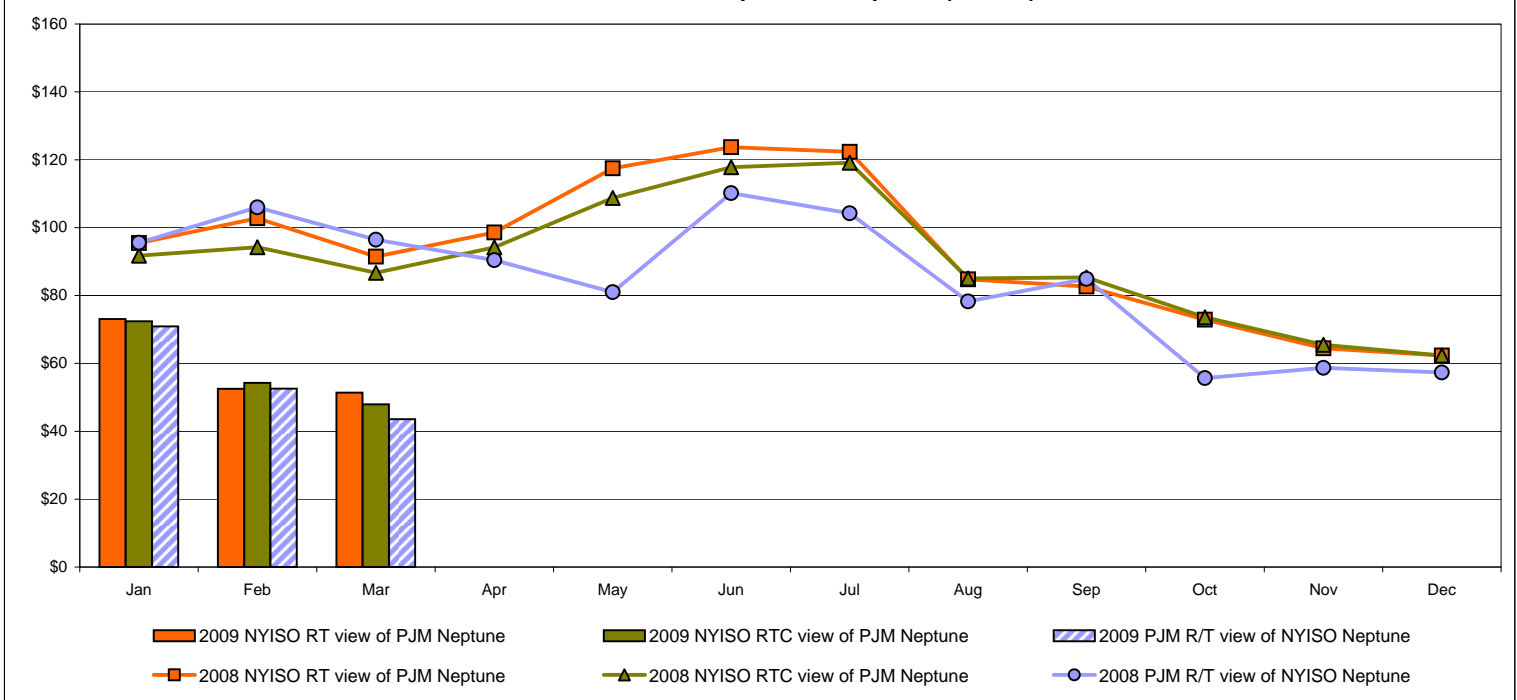
Note:  
 ISO-NE Forecast is an advisory posting @ 18:00 day before.  
 The DAM and R/T prices at the Northport 138 interface are used for ISO-NE.  
 The DAM and R/T prices at the 1385 interface are used for NYISO.

## External Controllable Line: Neptune (PJM)

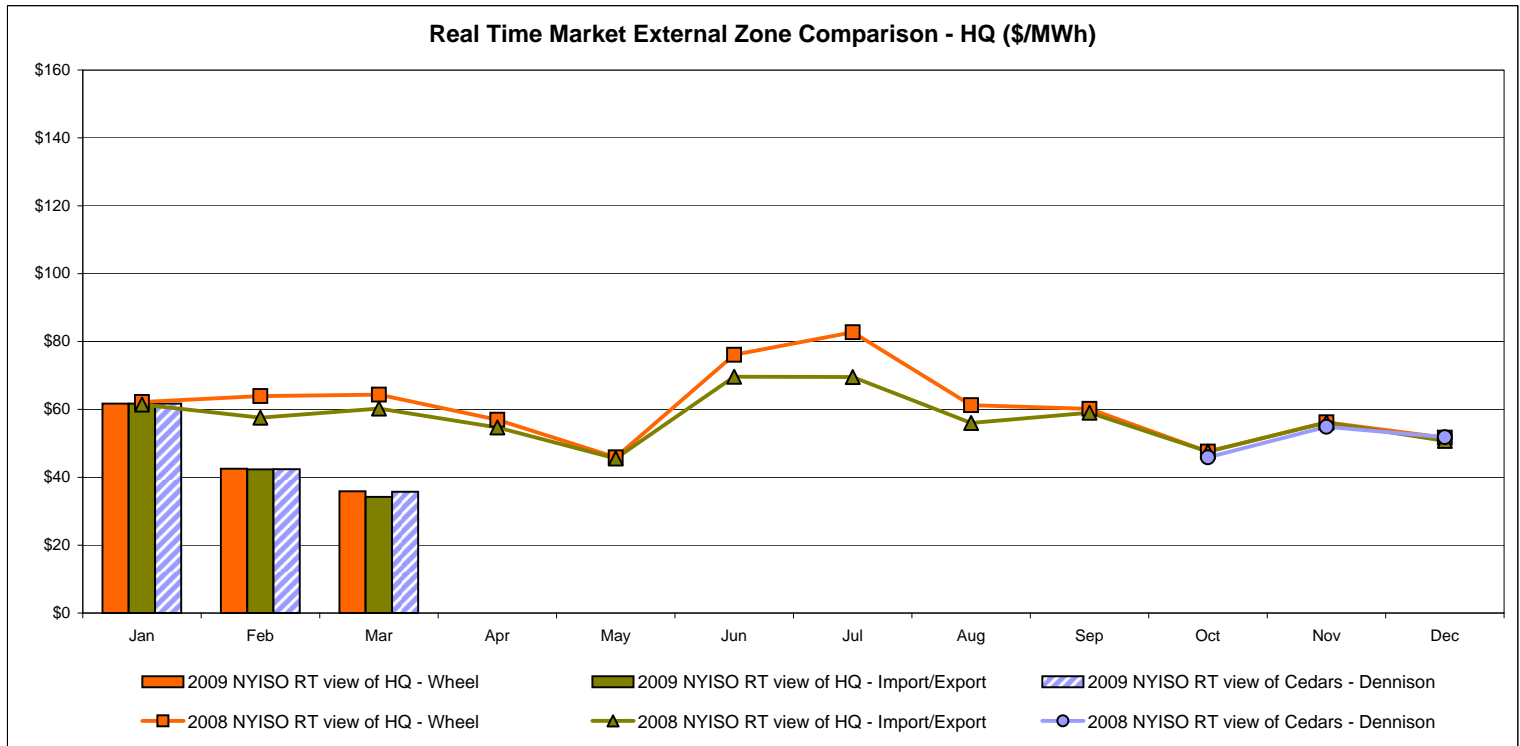
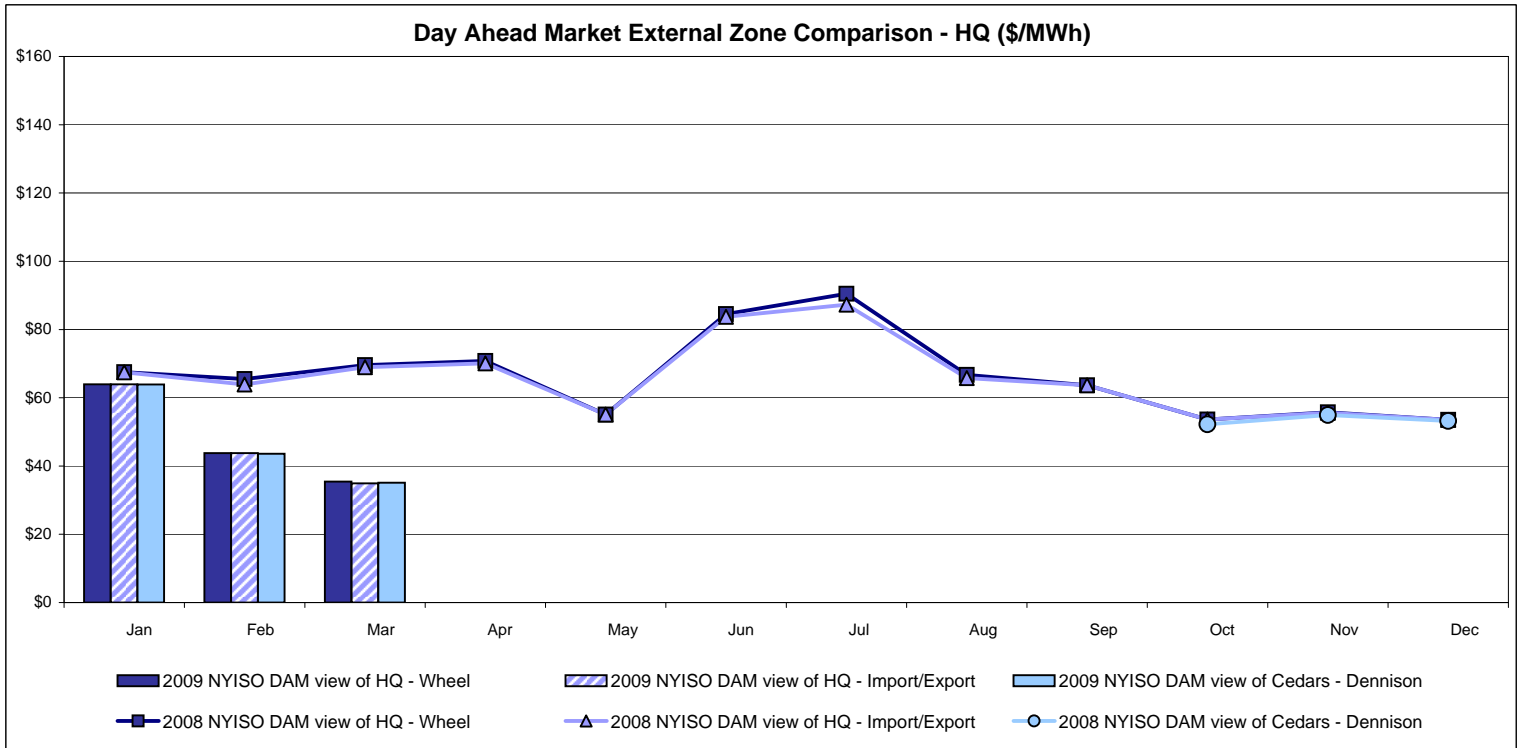
### Day Ahead Market Comparison: Neptune (\$/MWh)



### 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.

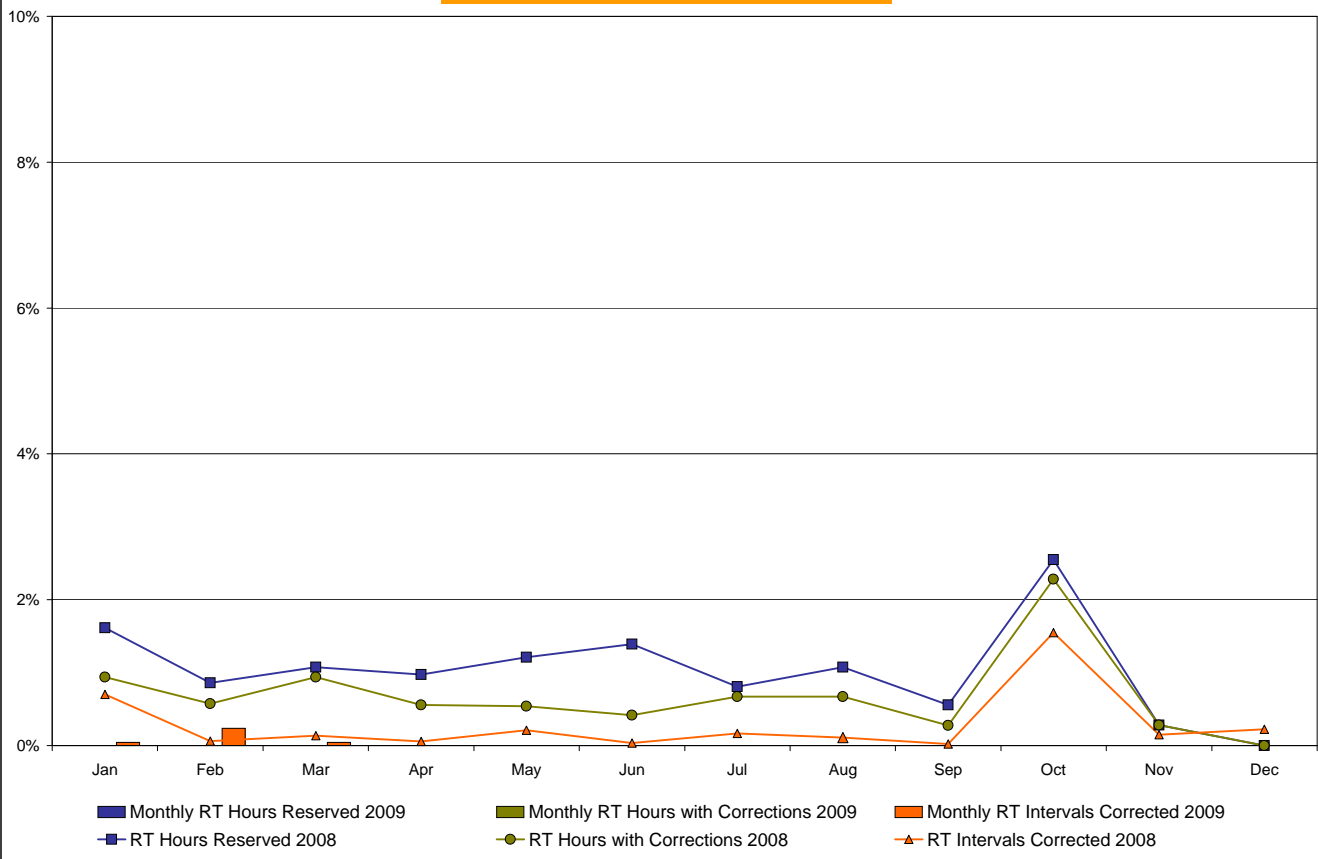
**NYISO Real Time Price Correction Statistics**

<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									
Number of hours	in the month	744	672	744									
% of hours with corrections	in the month	0.27%	0.89%	0.27%									
% of hours with corrections	year-to-date	0.27%	0.56%	0.46%									
<b>Interval Corrections</b>													
Number of intervals corrected	in the month	4	19	4									
Number of intervals	in the month	8,966	8,082	8,933									
% of intervals corrected	in the month	0.04%	0.24%	0.04%									
% of intervals corrected	year-to-date	0.04%	0.13%	0.10%									
<b>Hours Reserved</b>													
Number of hours reserved	in the month	4	8	9									
Number of hours	in the month	744	672	744									
% of hours reserved	in the month	0.54%	1.19%	1.21%									
% of hours reserved	year-to-date	0.54%	0.85%	0.97%									
<b>Days to Correction *</b>													
Avg. number of days to correction	in the month	1.00	1.20	0.00									
Avg. number of days to correction	year-to-date	1.00	1.14	0.89									
<b>Days Without Corrections</b>													
Days without corrections	in the month	29	23	29									
Days without corrections	year-to-date	29	52	81									
<b>2008</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	7	4	7	4	4	3	5	5	2	17	2	3
Number of hours	in the month	744	696	744	720	744	720	744	744	720	744	720	744
% of hours with corrections	in the month	0.94%	0.57%	0.94%	0.56%	0.54%	0.42%	0.67%	0.67%	0.28%	2.28%	0.28%	0.40%
% of hours with corrections	year-to-date	0.94%	0.76%	0.82%	0.76%	0.71%	0.66%	0.67%	0.67%	0.62%	0.79%	0.75%	0.72%
<b>Interval Corrections</b>													
Number of intervals corrected	in the month	63	5	12	5	19	3	15	10	2	139	13	20
Number of intervals	in the month	8,956	8,387	8,939	8,650	8,989	8,643	8,993	8,995	8,682	8,971	8,689	8,979
% of intervals corrected	in the month	0.70%	0.06%	0.13%	0.06%	0.21%	0.03%	0.17%	0.11%	0.02%	1.55%	0.15%	0.22%
% of intervals corrected	year-to-date	0.70%	0.39%	0.30%	0.24%	0.24%	0.20%	0.20%	0.19%	0.17%	0.31%	0.30%	0.29%
<b>Hours Reserved</b>													
Number of hours reserved	in the month	12	6	8	7	9	10	6	8	4	19	2	3
Number of hours	in the month	744	696	744	720	744	720	744	744	720	744	720	744
% of hours reserved	in the month	1.61%	0.86%	1.08%	0.97%	1.21%	1.39%	0.81%	1.08%	0.56%	2.55%	0.28%	0.40%
% of hours reserved	year-to-date	1.61%	1.25%	1.19%	1.14%	1.15%	1.19%	1.13%	1.13%	1.06%	1.22%	1.13%	1.07%
<b>Days to Correction *</b>													
Avg. number of days to correction	in the month	1.00	1.33	1.20	0.50	0.50	1.00	1.33	1.25	0.50	0.50	0.00	0.50
Avg. number of days to correction	year-to-date	1.00	1.17	1.18	1.00	0.89	0.91	0.96	1.00	0.97	0.97	0.84	0.82
<b>Days Without Corrections</b>													
Days without corrections	in the month	28	26	26	26	27	27	28	27	28	26	28	28
Days without corrections	year-to-date	28	54	80	106	133	160	188	215	243	269	297	325

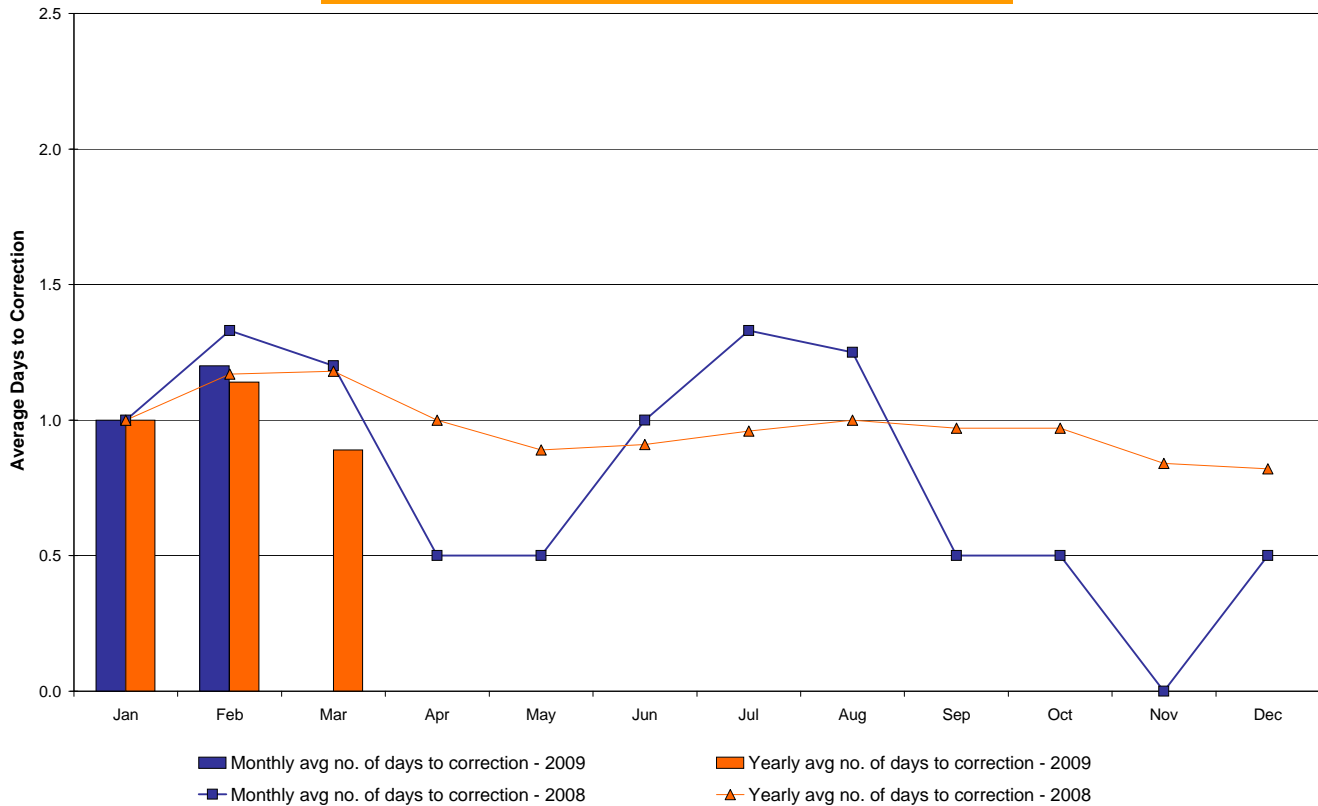
\* Calendar days from reservation date.



### Percentage of Real-Time Corrections

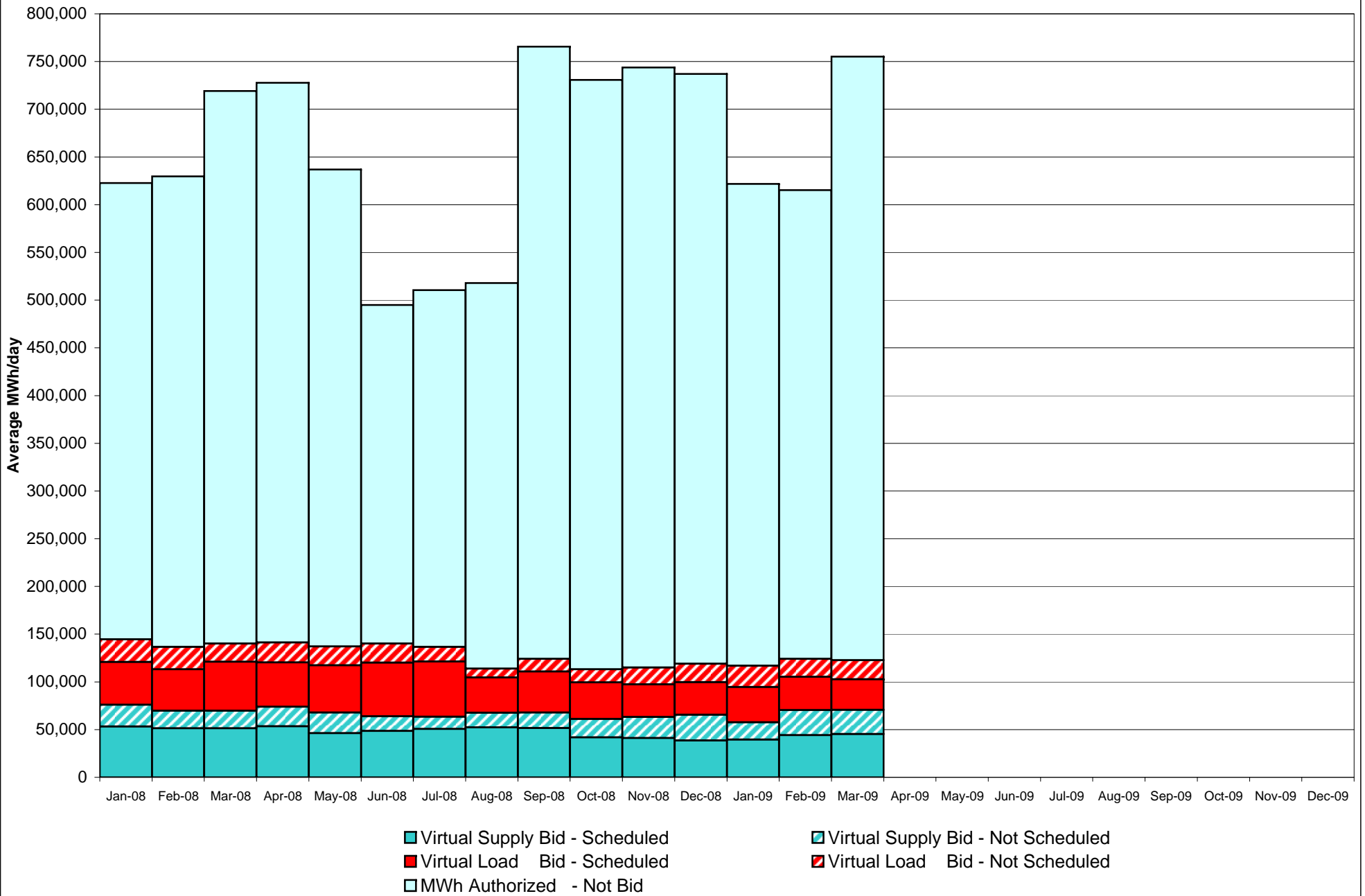


### Annual average time period for making Price Corrections (from reservation date) \*

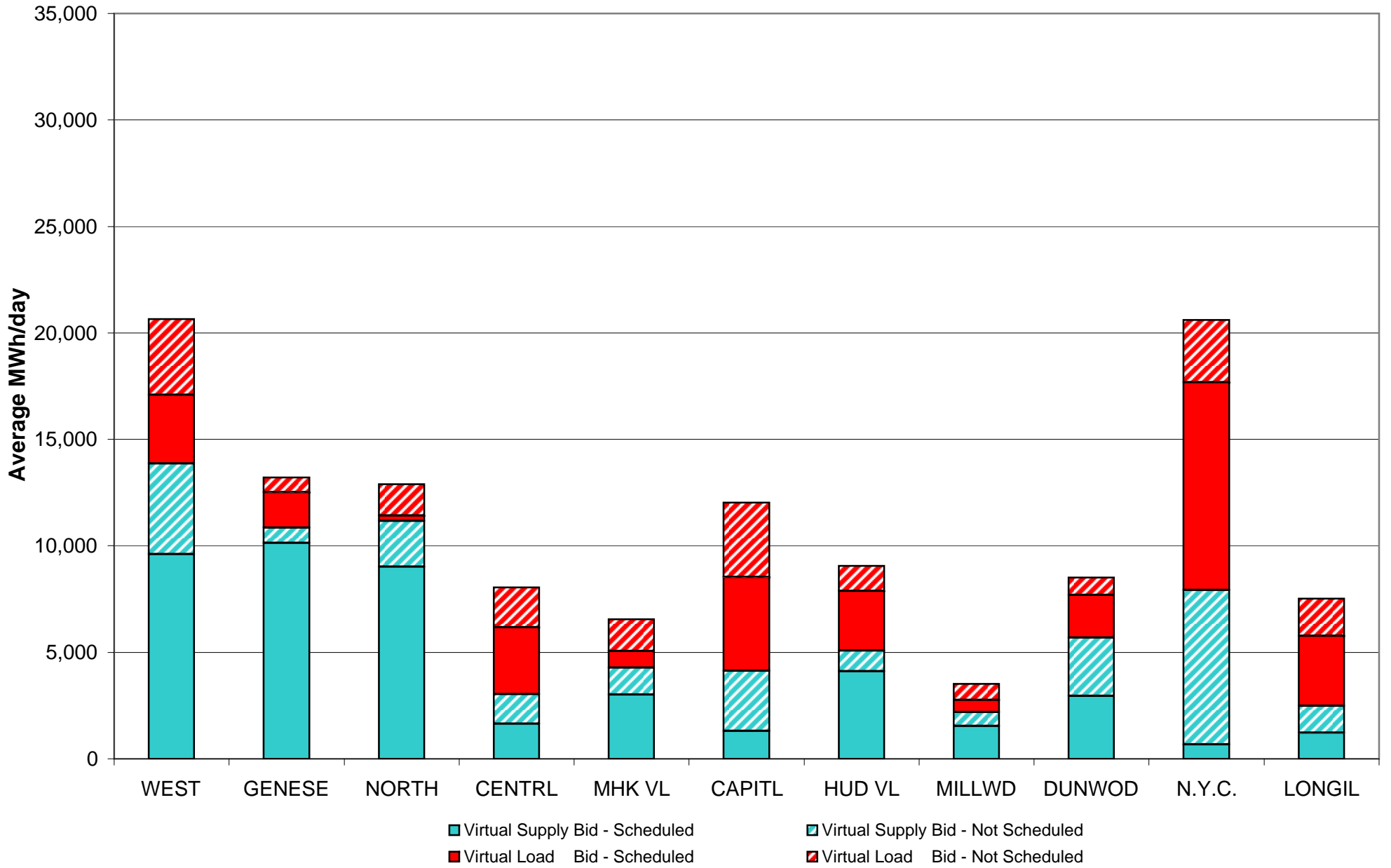


\* Calendar days from reservation date.

## NYISO Virtual Trading Average MWh per day



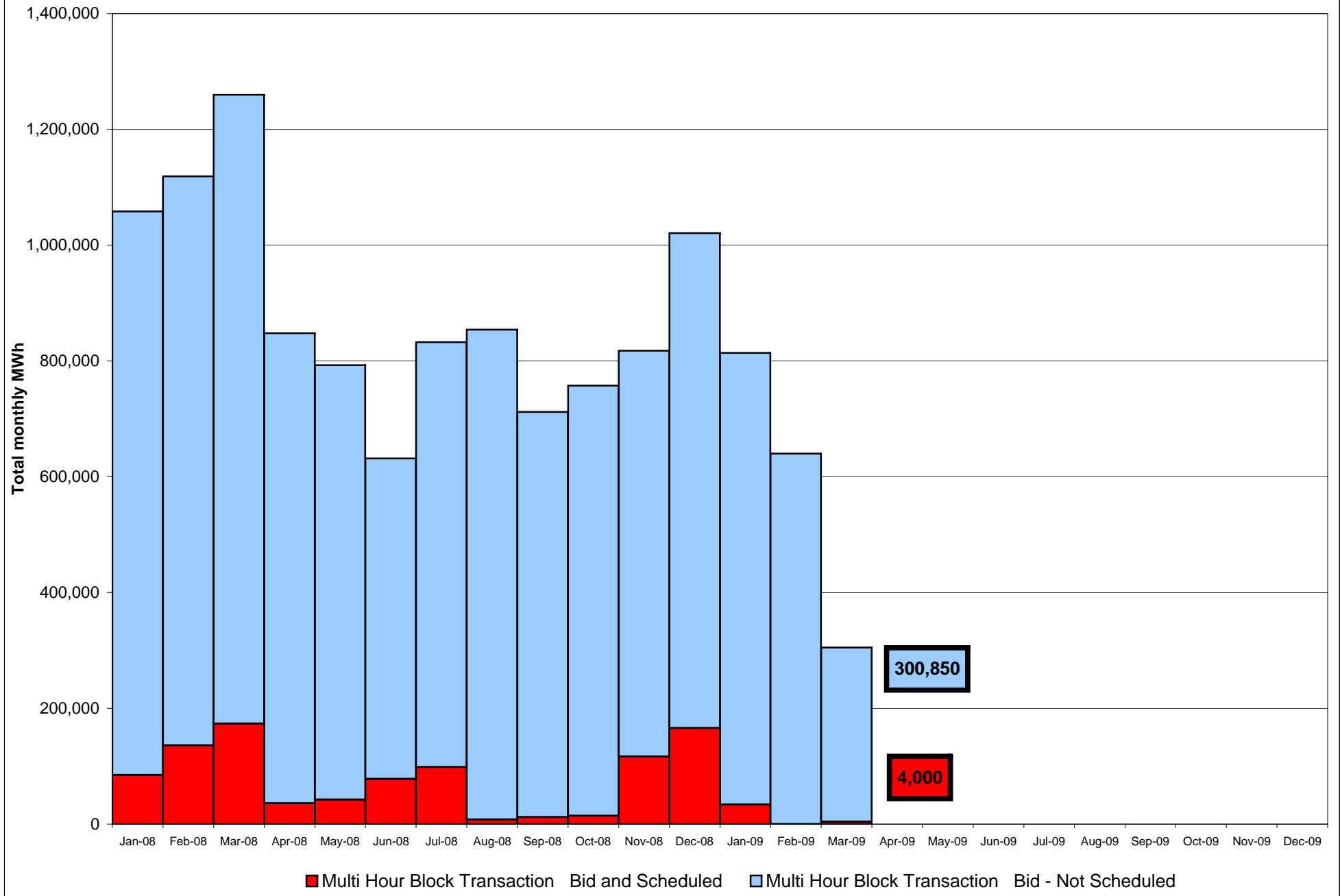
## Virtual Load and Supply Zonal Statistics March 2009



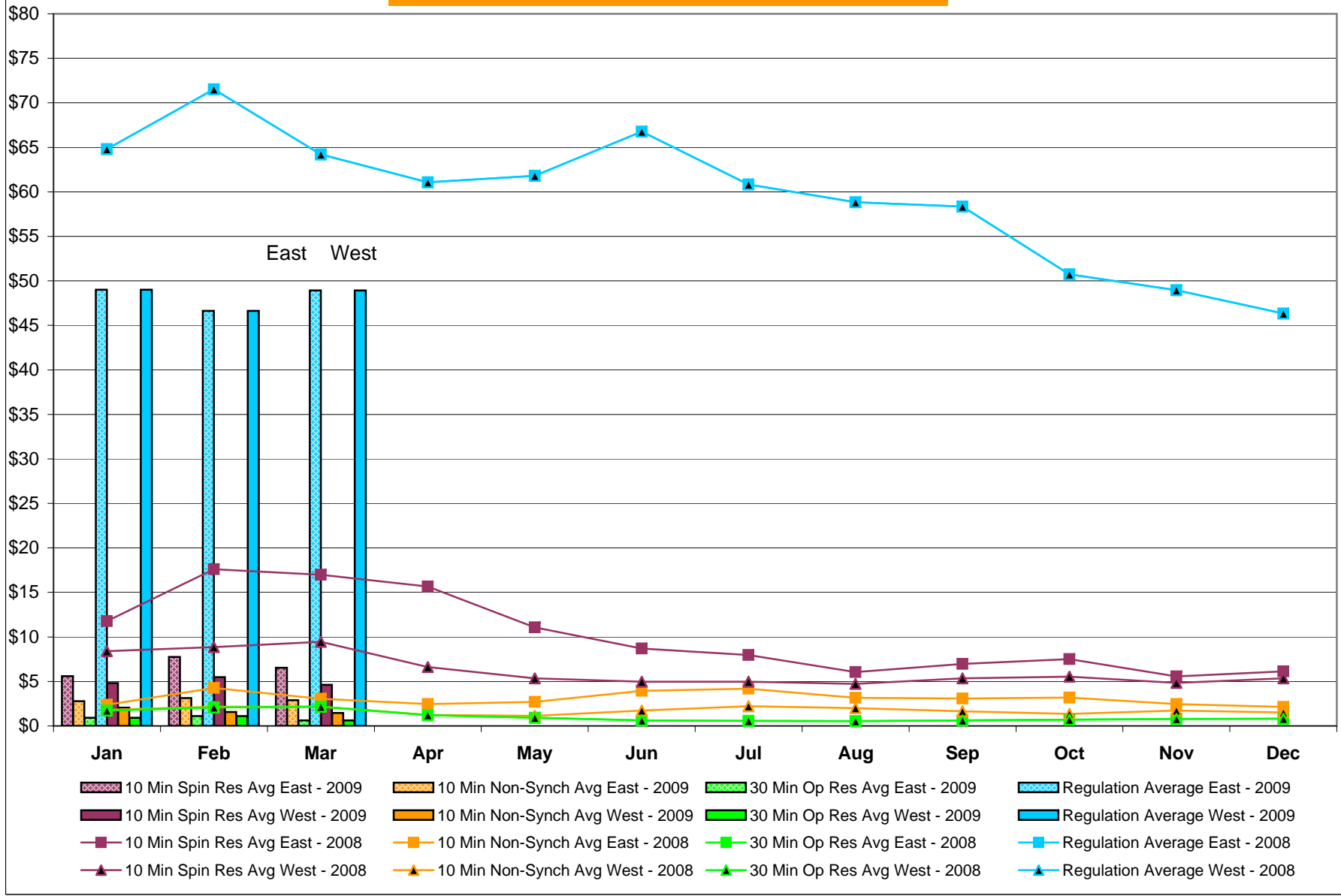
### Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2009

		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-09	5,980	1,802	5,787	1,732	<b>MHK VL</b>	Jan-09	839	852	2,335	568	<b>DUNWOD</b>	Jan-09	3,134	1,616	1,523	1,424
	Feb-09	6,395	2,412	6,036	3,686		Feb-09	1,336	857	2,786	832		Feb-09	2,013	1,237	1,521	1,200
	Mar-09	3,226	3,562	9,608	4,252		Mar-09	777	1,488	3,013	1,271		Mar-09	1,998	838	2,951	2,733
	Apr-09						Apr-09						Apr-09				
	May-09						May-09						May-09				
	Jun-09						Jun-09						Jun-09				
	Jul-09						Jul-09						Jul-09				
	Aug-09						Aug-09						Aug-09				
	Sep-09						Sep-09						Sep-09				
	Oct-09						Oct-09						Oct-09				
	Nov-09						Nov-09						Nov-09				
	Dec-09						Dec-09						Dec-09				
<b>GENESE</b>	Jan-09	2,540	1,161	8,332	1,092	<b>CAPITL</b>	Jan-09	4,749	3,352	1,706	2,068	<b>N.Y.C.</b>	Jan-09	9,649	6,433	1,814	5,865
	Feb-09	2,601	1,167	9,082	1,094		Feb-09	5,637	2,956	1,627	2,652		Feb-09	6,464	3,737	3,576	8,570
	Mar-09	1,673	685	10,131	722		Mar-09	4,408	3,497	1,297	2,837		Mar-09	9,753	2,920	673	7,257
	Apr-09						Apr-09						Apr-09				
	May-09						May-09						May-09				
	Jun-09						Jun-09						Jun-09				
	Jul-09						Jul-09						Jul-09				
	Aug-09						Aug-09						Aug-09				
	Sep-09						Sep-09						Sep-09				
	Oct-09						Oct-09						Oct-09				
	Nov-09						Nov-09						Nov-09				
	Dec-09						Dec-09						Dec-09				
<b>NORTH</b>	Jan-09	398	1,277	5,428	757	<b>HUD VL</b>	Jan-09	1,572	1,199	5,365	1,875	<b>LONGIL</b>	Jan-09	5,026	2,640	1,654	806
	Feb-09	125	983	7,684	1,481		Feb-09	2,721	2,126	7,211	3,506		Feb-09	4,191	1,141	1,357	1,164
	Mar-09	258	1,482	9,019	2,142		Mar-09	2,810	1,179	4,102	978		Mar-09	3,286	1,742	1,225	1,266
	Apr-09						Apr-09						Apr-09				
	May-09						May-09						May-09				
	Jun-09						Jun-09						Jun-09				
	Jul-09						Jul-09						Jul-09				
	Aug-09						Aug-09						Aug-09				
	Sep-09						Sep-09						Sep-09				
	Oct-09						Oct-09						Oct-09				
	Nov-09						Nov-09						Nov-09				
	Dec-09						Dec-09						Dec-09				
<b>CENTRL</b>	Jan-09	2,532	1,128	1,935	796	<b>MILLWD</b>	Jan-09	435	900	3,633	1,114	<b>NYISO</b>	Jan-09	36,855	22,359	39,512	18,097
	Feb-09	3,242	1,093	1,656	983		Feb-09	301	980	1,686	924		Feb-09	35,028	18,690	44,221	26,093
	Mar-09	3,132	1,873	1,641	1,402		Mar-09	556	759	1,541	654		Mar-09	31,876	20,023	45,201	25,514
	Apr-09						Apr-09						Apr-09				
	May-09						May-09						May-09				
	Jun-09						Jun-09						Jun-09				
	Jul-09						Jul-09						Jul-09				
	Aug-09						Aug-09						Aug-09				
	Sep-09						Sep-09						Sep-09				
	Oct-09						Oct-09						Oct-09				
	Nov-09						Nov-09						Nov-09				
	Dec-09						Dec-09						Dec-09				

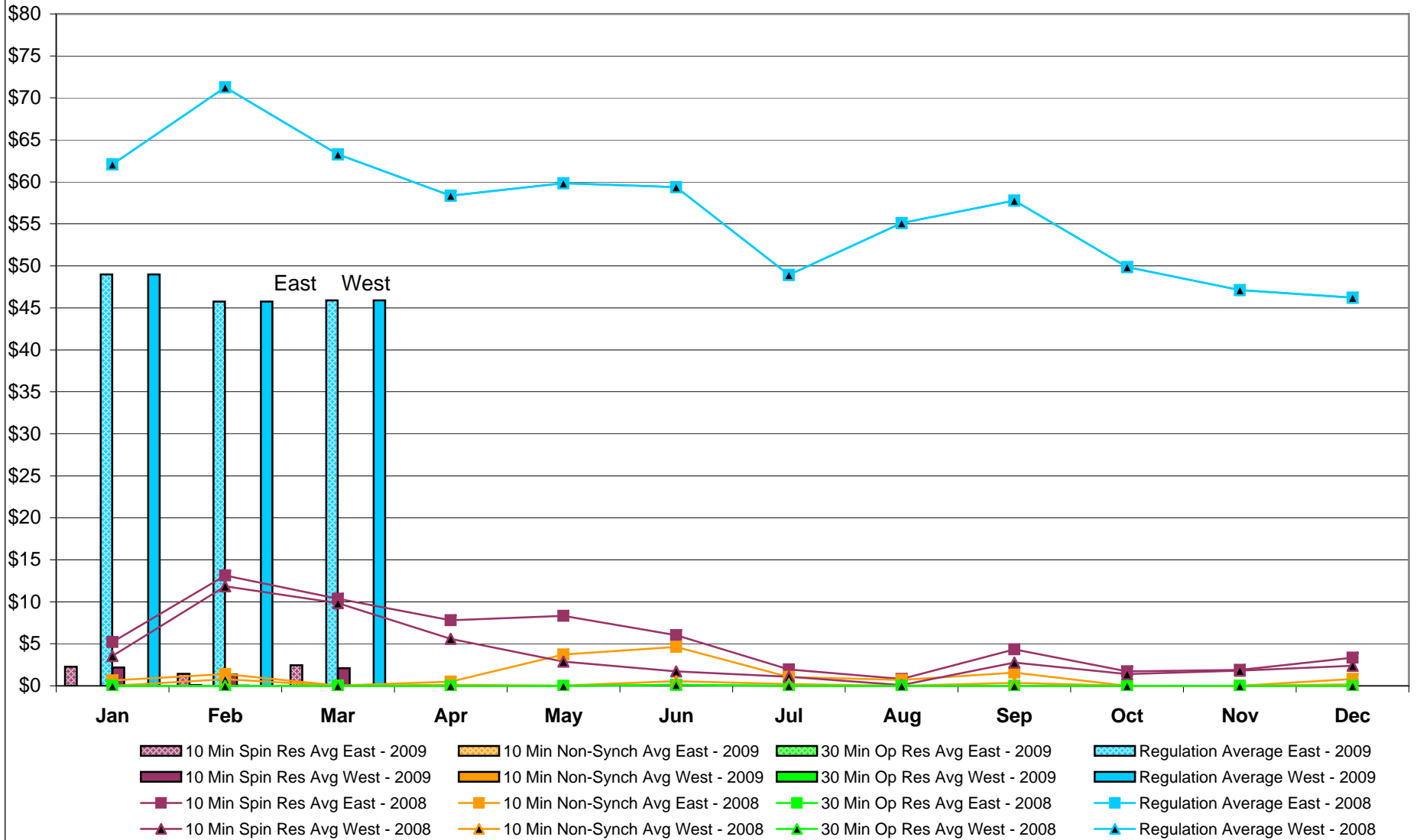
## NYISO Multi Hour Block Transactions Monthly Total MWh



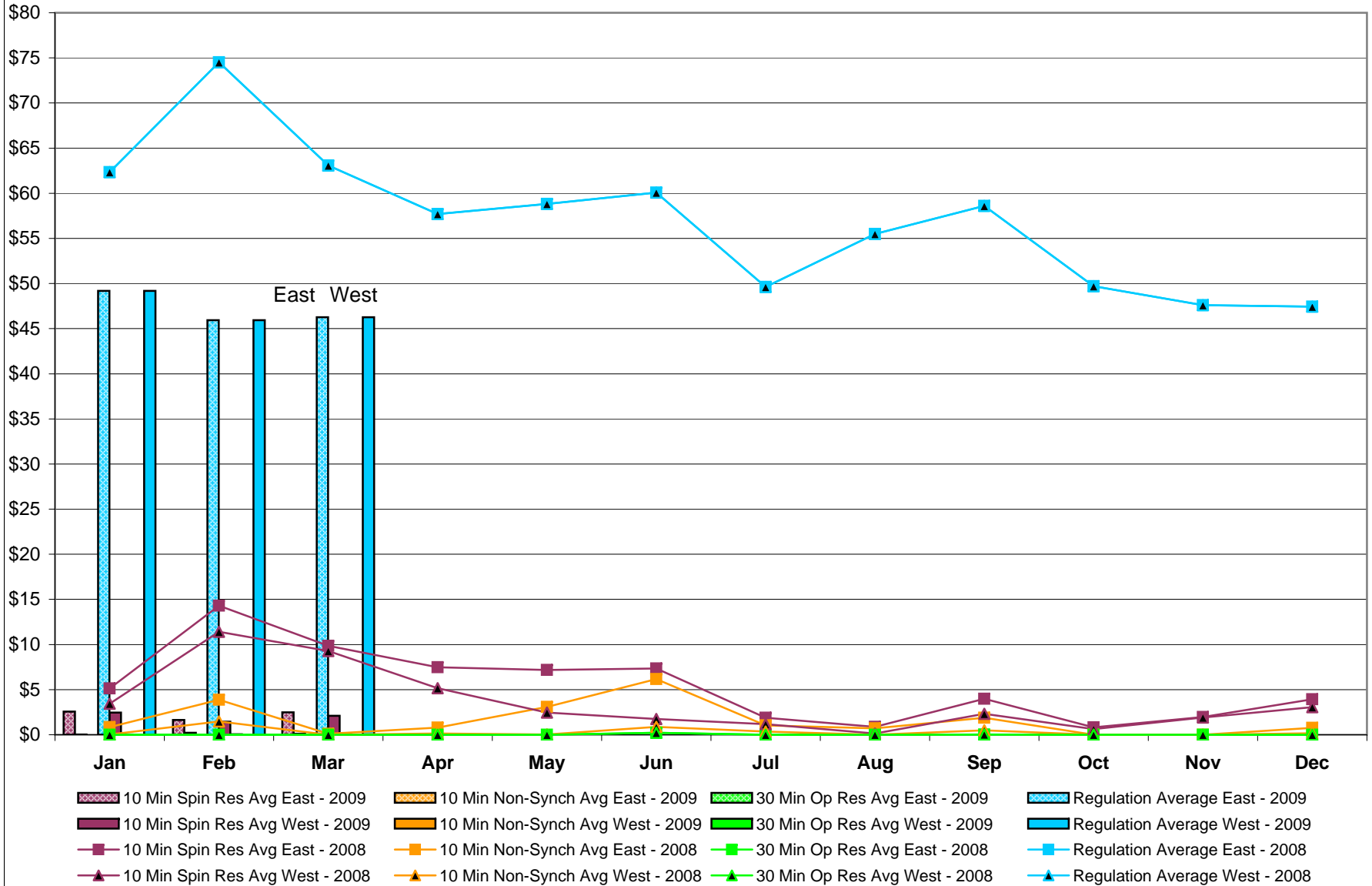
### NYISO Monthly Average Ancillary Service Prices Day Ahead Market 2008 - 2009



## NYISO Monthly Average Ancillary Service Prices RTC Market 2008 - 2009



## NYISO Monthly Average Ancillary Service Prices Real Time Market 2008 - 2009





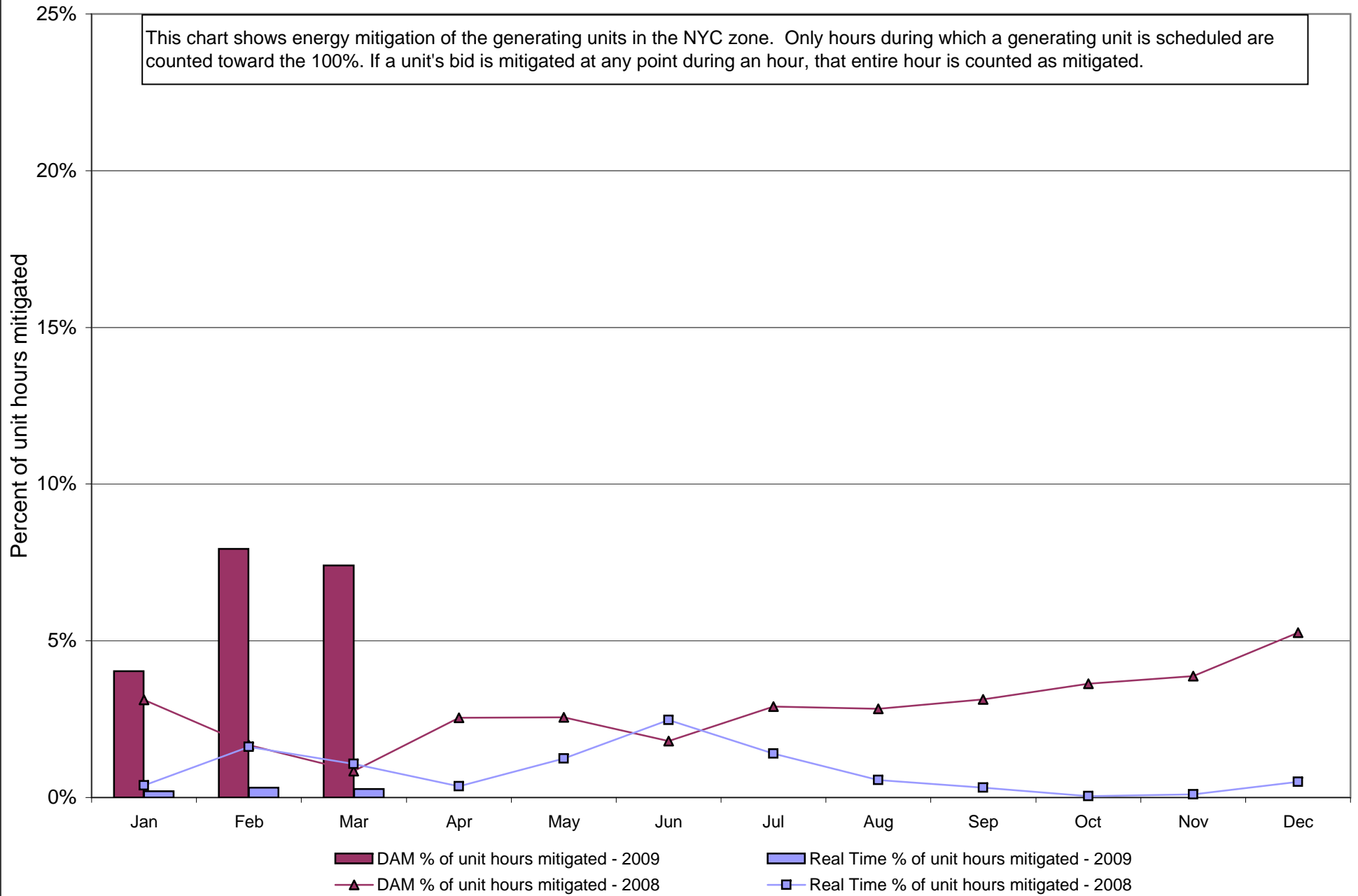
## NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

<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><u>Day Ahead Market</u></b>												
10 Min Spin East	5.60	7.74	6.54									
10 Min Spin West	4.81	5.48	4.62									
10 Min Non Synch East	2.77	3.13	2.88									
10 Min Non Synch West	2.05	1.58	1.45									
30 Min East	0.92	1.12	0.63									
30 Min West	0.92	1.12	0.63									
Regulation East	49.01	46.62	48.92									
Regulation West	49.01	46.62	48.92									
<b><u>RTC Market</u></b>												
10 Min Spin East	2.27	1.44	2.43									
10 Min Spin West	2.20	1.35	2.09									
10 Min Non Synch East	0.00	0.08	0.05									
10 Min Non Synch West	0.00	0.04	0.05									
30 Min East	0.00	0.00	0.00									
30 Min West	0.00	0.00	0.00									
Regulation East	48.98	45.76	45.90									
Regulation West	48.98	45.76	45.90									
<b><u>Real Time Market</u></b>												
10 Min Spin East	2.57	1.65	2.49									
10 Min Spin West	2.46	1.43	2.09									
10 Min Non Synch East	0.03	0.22	0.10									
10 Min Non Synch West	0.03	0.05	0.05									
30 Min East	0.00	0.00	0.00									
30 Min West	0.00	0.00	0.00									
Regulation East	49.19	45.95	46.27									
Regulation West	49.19	45.95	46.27									
<b>2008</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><u>Day Ahead Market</u></b>												
10 Min Spin East	11.76	17.59	16.98	15.66	11.07	8.68	7.96	6.06	6.97	7.50	5.57	6.14
10 Min Spin West	8.41	8.86	9.45	6.61	5.35	4.97	4.96	4.72	5.33	5.54	4.83	5.35
10 Min Non Synch East	2.36	4.26	3.04	2.46	2.69	3.93	4.18	3.16	3.09	3.18	2.46	2.14
10 Min Non Synch West	1.81	2.16	2.16	1.24	1.14	1.73	2.20	1.99	1.65	1.34	1.74	1.51
30 Min East	1.73	2.07	2.16	1.21	0.93	0.61	0.57	0.54	0.62	0.70	0.79	0.82
30 Min West	1.73	2.07	2.16	1.21	0.93	0.61	0.57	0.54	0.62	0.70	0.79	0.82
Regulation East	64.81	71.51	64.19	61.08	61.80	66.77	60.83	58.82	58.34	50.73	48.94	46.34
Regulation West	64.81	71.51	64.19	61.08	61.80	66.77	60.83	58.82	58.34	50.73	48.94	46.34
<b><u>RTC Market</u></b>												
10 Min Spin East	5.22	13.13	10.37	7.80	8.34	6.04	1.95	0.80	4.33	1.72	1.89	3.34
10 Min Spin West	3.55	11.86	9.83	5.61	2.89	1.71	1.09	0.09	2.76	1.39	1.80	2.39
10 Min Non Synch East	0.65	1.40	0.02	0.49	3.74	4.62	1.05	0.70	1.56	0.00	0.00	0.80
10 Min Non Synch West	0.00	0.79	0.00	0.12	0.04	0.56	0.21	0.00	0.35	0.00	0.00	0.17
30 Min East	0.00	0.00	0.00	0.00	0.00	0.12	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	0.12	0.00	0.00	0.00	0.00	0.00	0.00
Regulation East	62.09	71.26	63.30	58.35	59.84	59.38	48.94	55.11	57.78	49.85	47.11	46.22
Regulation West	62.09	71.26	63.30	58.35	59.84	59.38	48.94	55.11	57.78	49.85	47.11	46.22
<b><u>Real Time Market</u></b>												
10 Min Spin East	5.12	14.30	9.86	7.48	7.19	7.35	1.88	0.87	3.99	0.83	1.96	3.93
10 Min Spin West	3.45	11.40	9.27	5.16	2.45	1.73	1.19	0.15	2.33	0.62	1.90	3.05
10 Min Non Synch East	0.83	3.86	0.10	0.79	3.07	6.17	1.05	0.70	1.89	0.00	0.00	0.77
10 Min Non Synch West	0.02	1.49	0.00	0.13	0.01	0.88	0.37	0.00	0.49	0.00	0.00	0.17
30 Min East	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.02	0.00	0.00	0.00
30 Min West	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.02	0.00	0.00	0.00
Regulation East	62.33	74.53	63.09	57.71	58.83	60.07	49.61	55.50	58.60	49.69	47.61	47.42
Regulation West	62.33	74.53	63.09	57.71	58.83	60.07	49.61	55.50	58.60	49.69	47.61	47.42

## NYISO In City Energy Mitigation (NYC Zone) 2008 - 2009

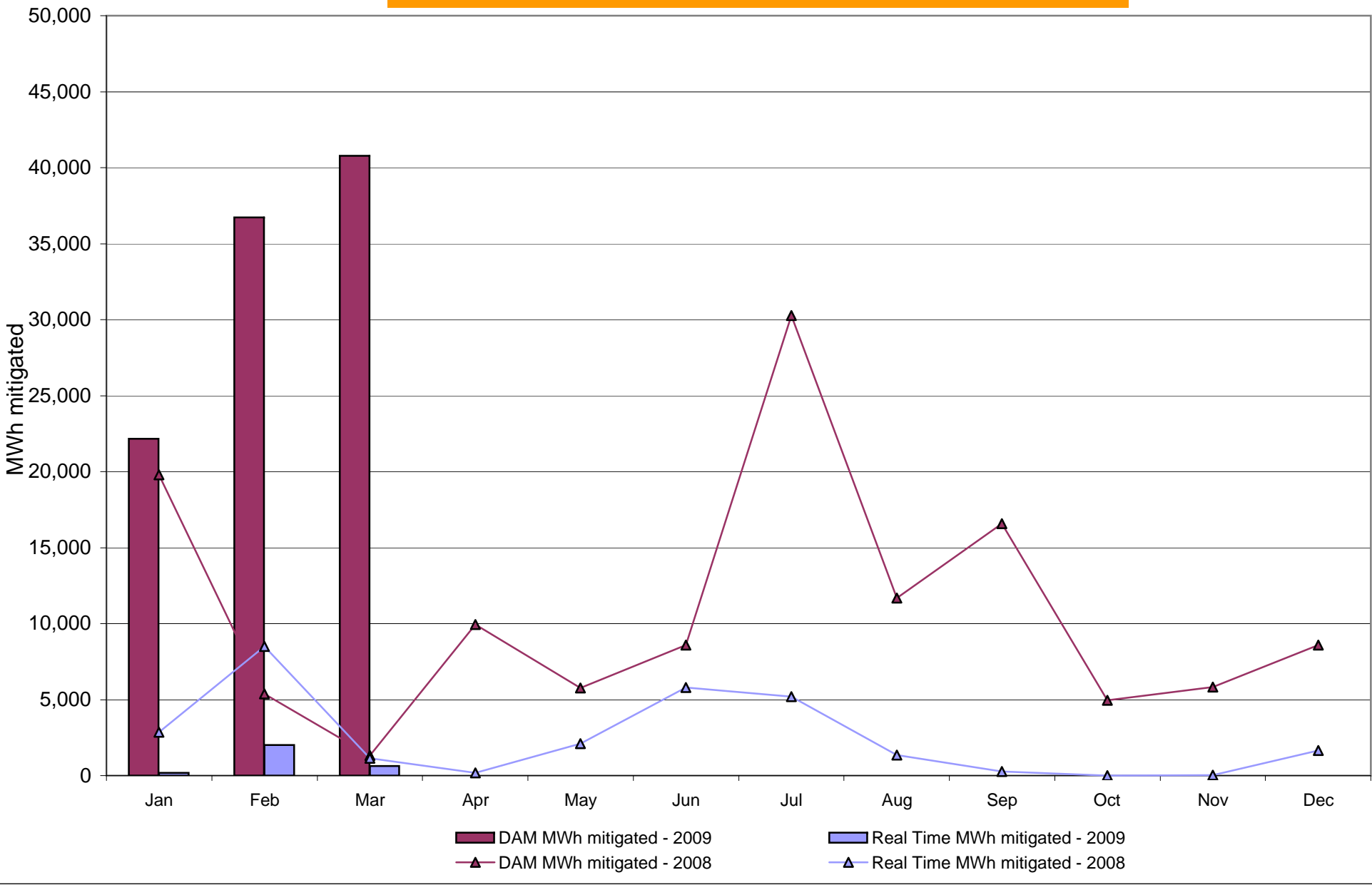
### Percentage of committed unit-hours mitigated

This chart shows energy mitigation of the generating units in the NYC zone. Only hours during which a generating unit is scheduled are counted toward the 100%. If a unit's bid is mitigated at any point during an hour, that entire hour is counted as mitigated.

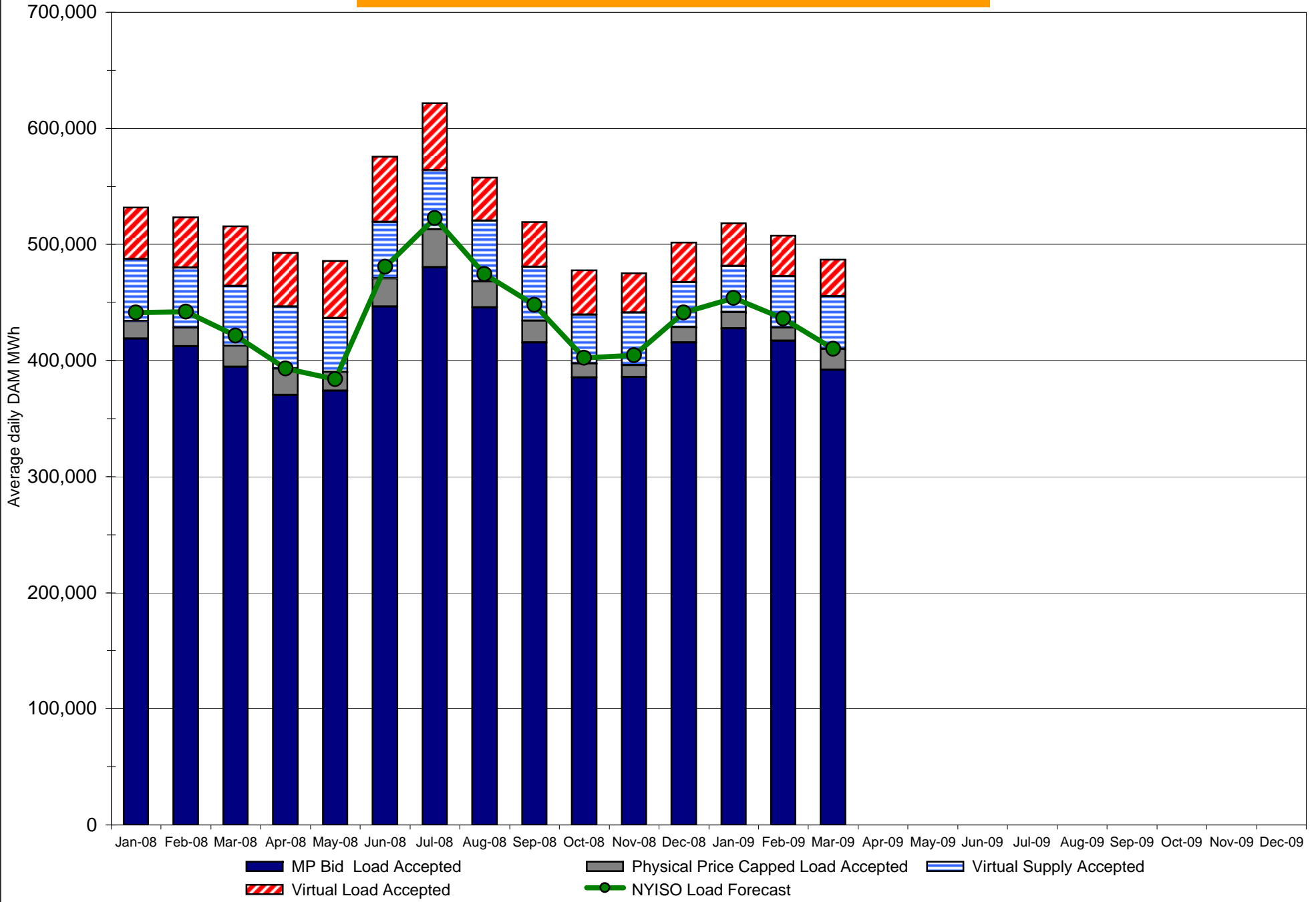


## NYISO In City Energy Mitigation (NYC Zone) 2008 - 2009

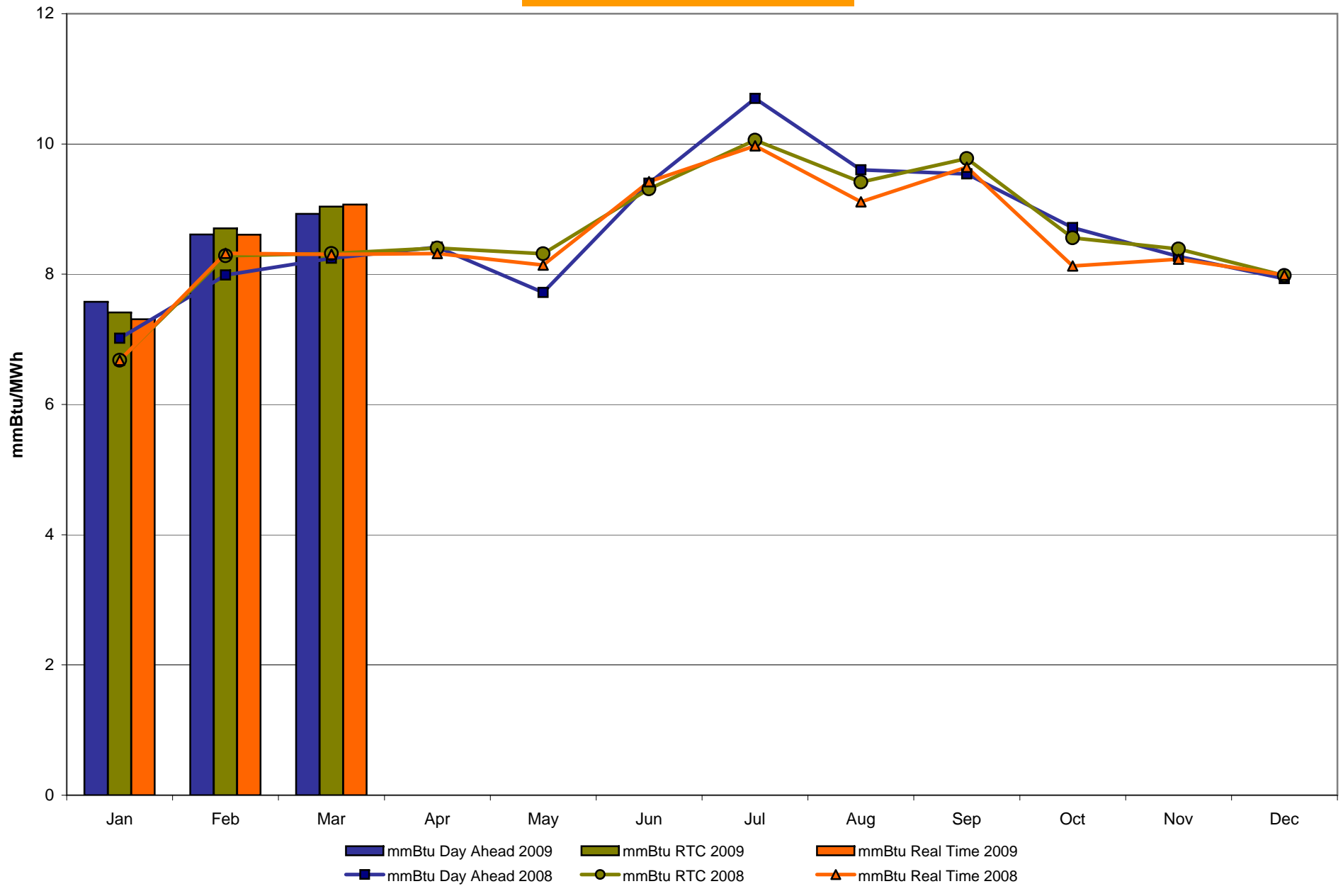
### Monthly megawatt hours mitigated



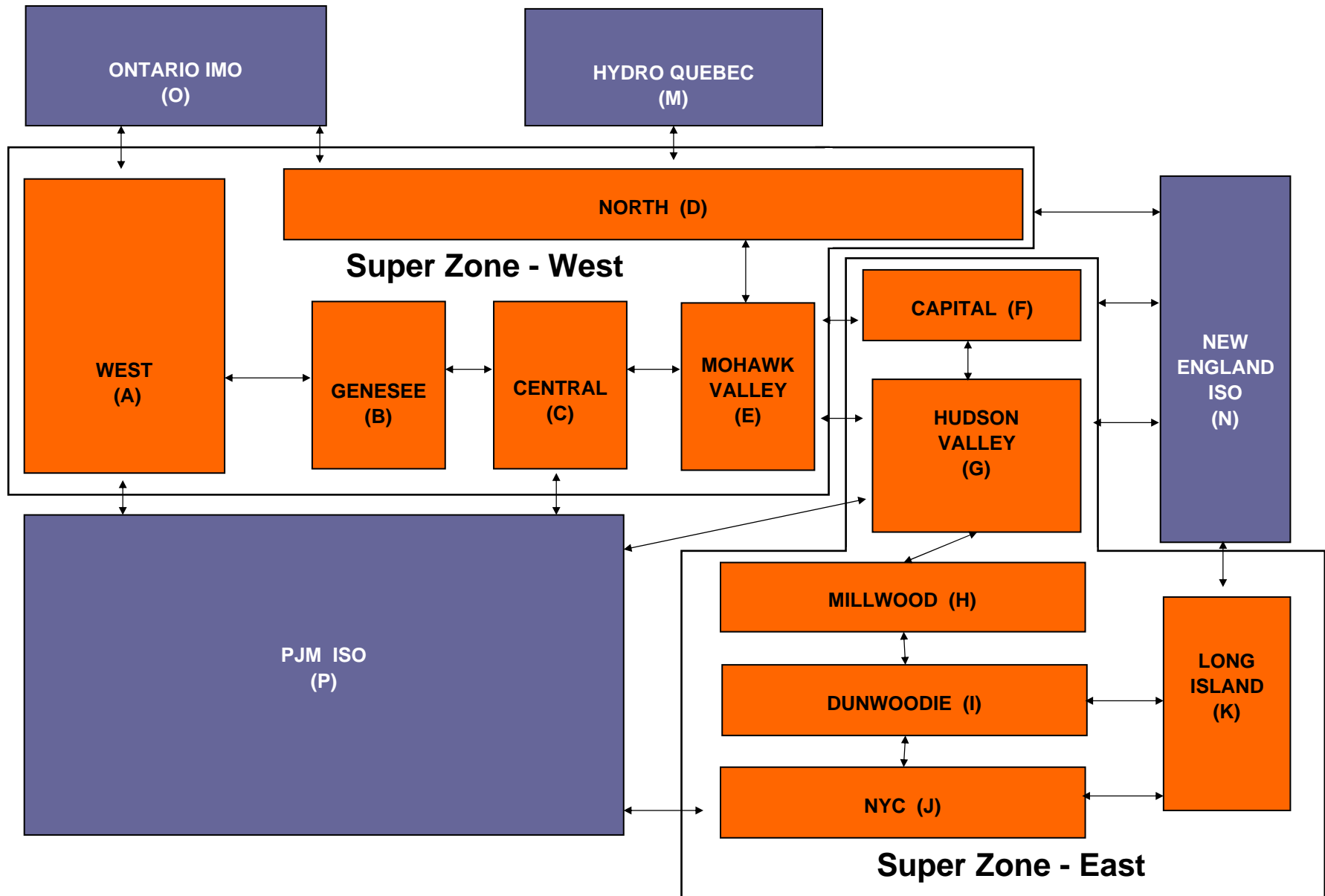
# NYISO Average Daily DAM Load Bid Summary



# Monthly Implied Heat Rate 2008-2009



# NYISO LBMP ZONES

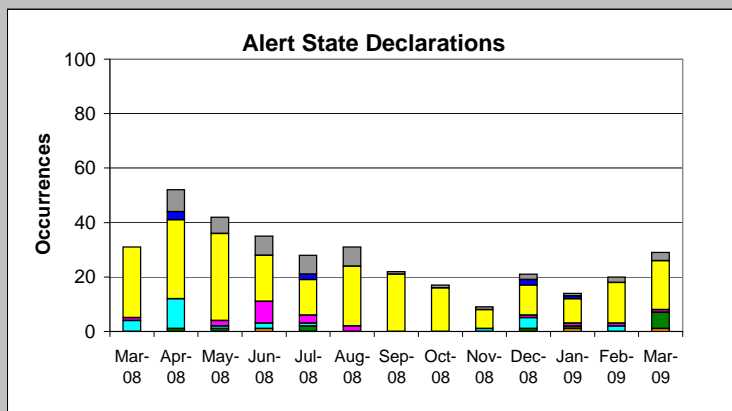


**Billing Codes for Chart 4-C**

<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

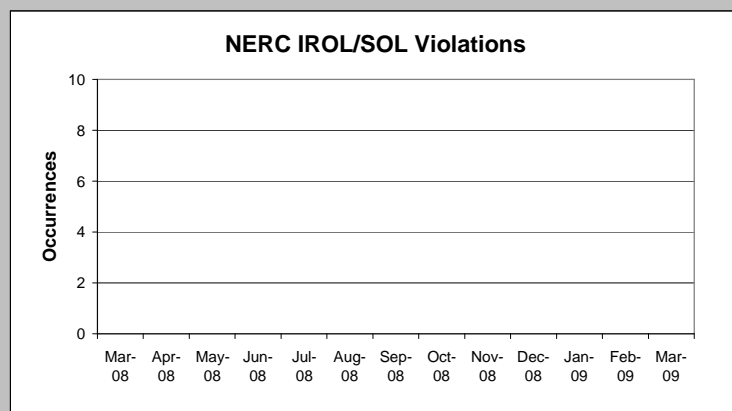
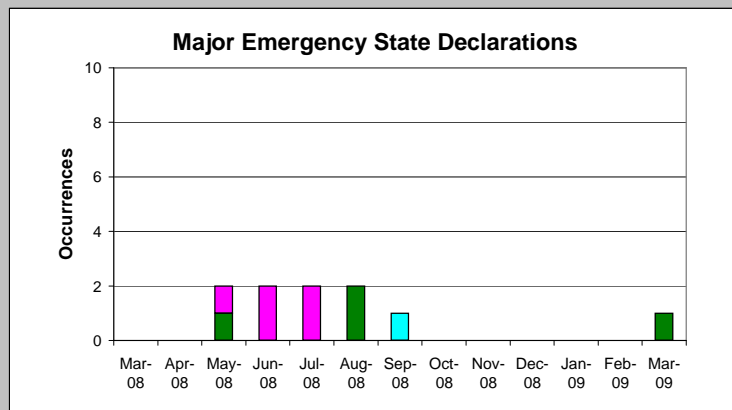
Report Overview

All reliability metric performances are normal. Frequency threshold exceedences 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/SOL Violations

- NERC SOL - Thermal Rating Limit
- NERC SOL - Voltage Rating Limit
- NERC IROL - Interface Transfer 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.

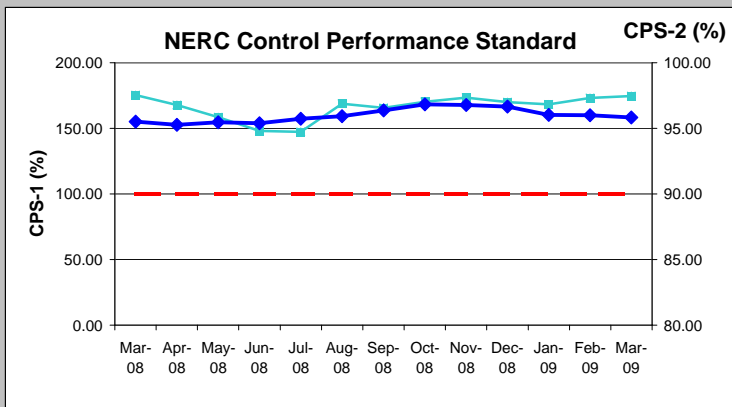
**NERC IROL/SOL Violations:**

The number and causes of NERC IROL/SOL violations reflect system operating conditions beyond thresholds associated with applicable NERC reliability standards. The NERC IROL/SOL violation thresholds are higher than those defined for the Major Emergency State.



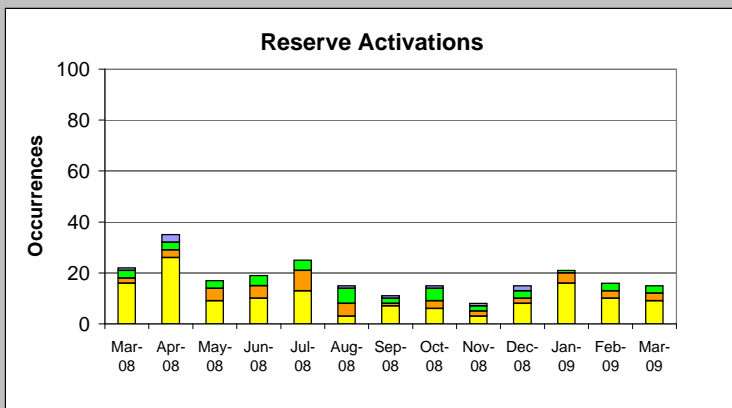
Report Overview

All reliability metric performances are normal.



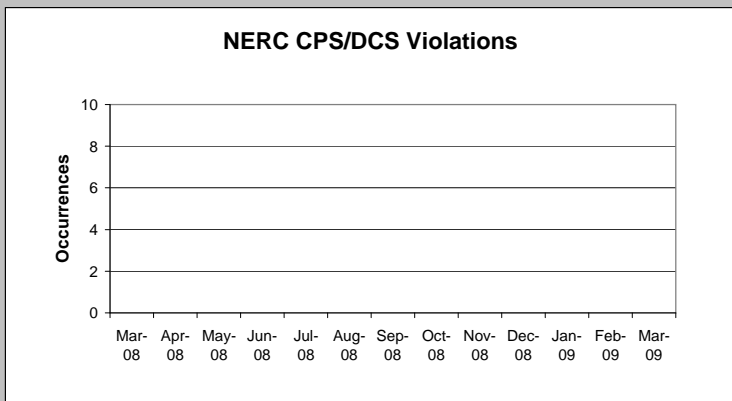
**Control Performance**

- 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 CPS/DCS Violations**

- NERC CPS-1 - Balancing Standard
- NERC CPS-2 - Balancing Standard
- NERC DCS - ACE Recovery

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.

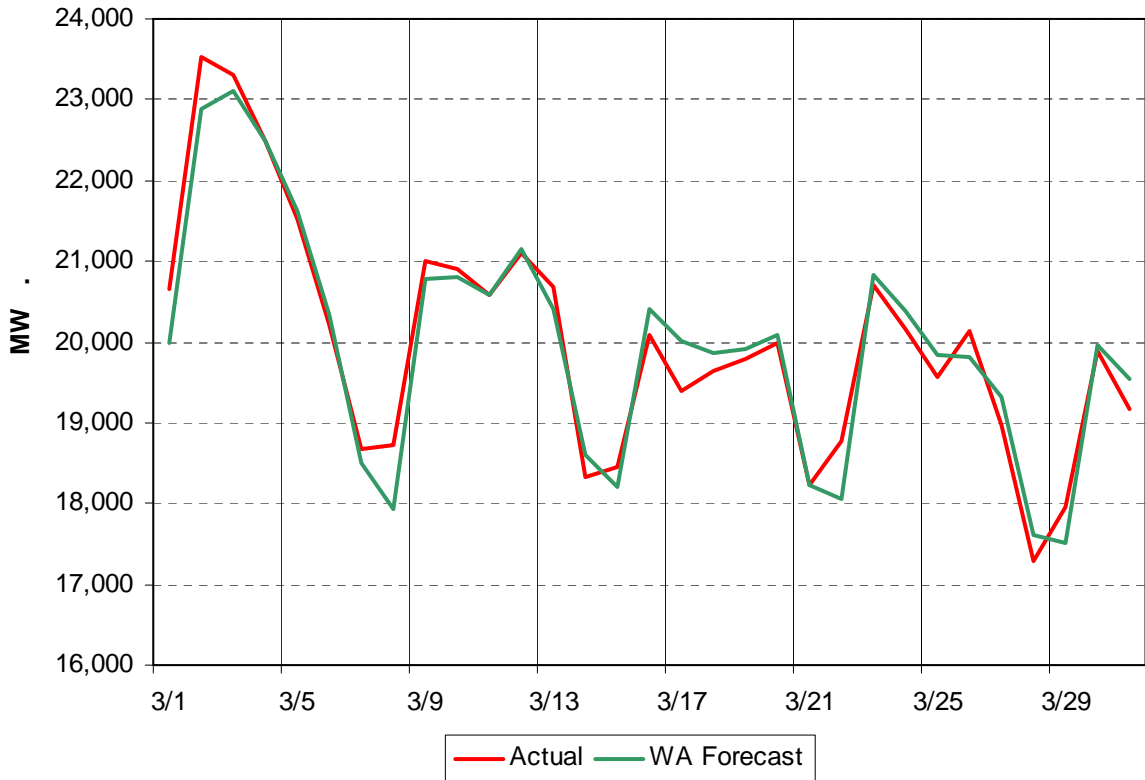
**Reserve Activations:**

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.

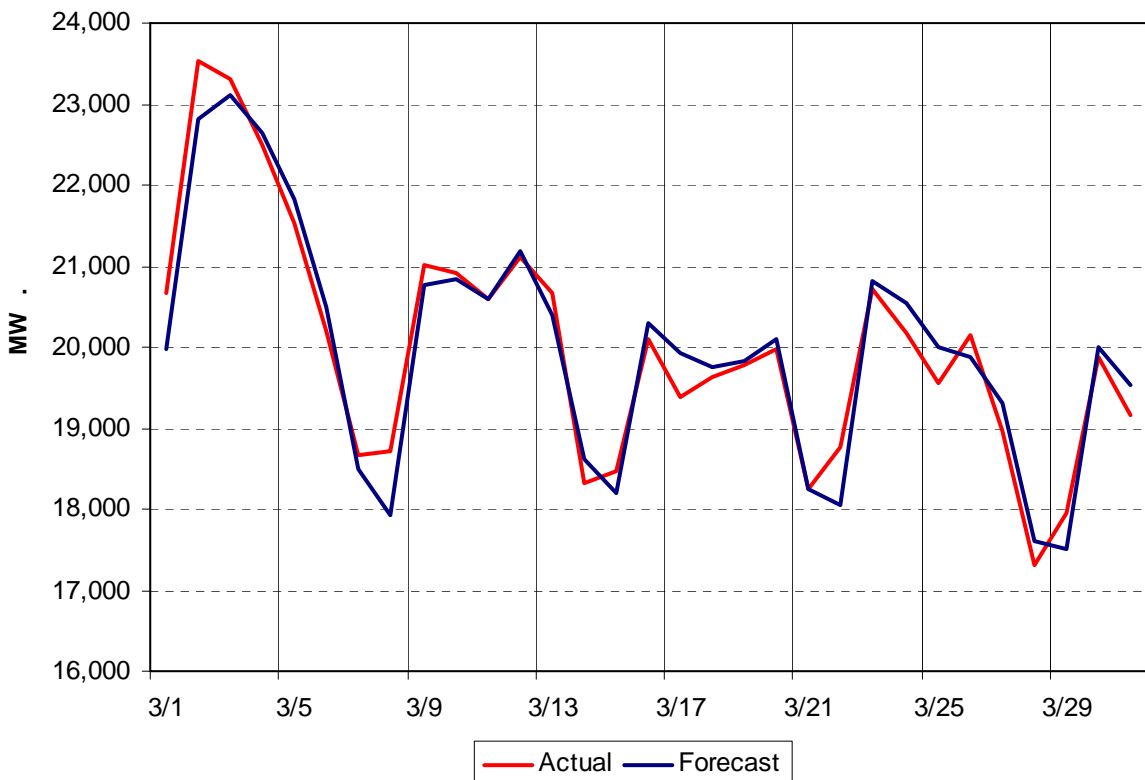
**NERC Control Performance Standard/Disturbance Control Standard (CPS/DCS) Violations:**

The number and causes of NERC CPS/DCS violations reflect system operating conditions beyond thresholds associated with applicable NERC reliability standards.

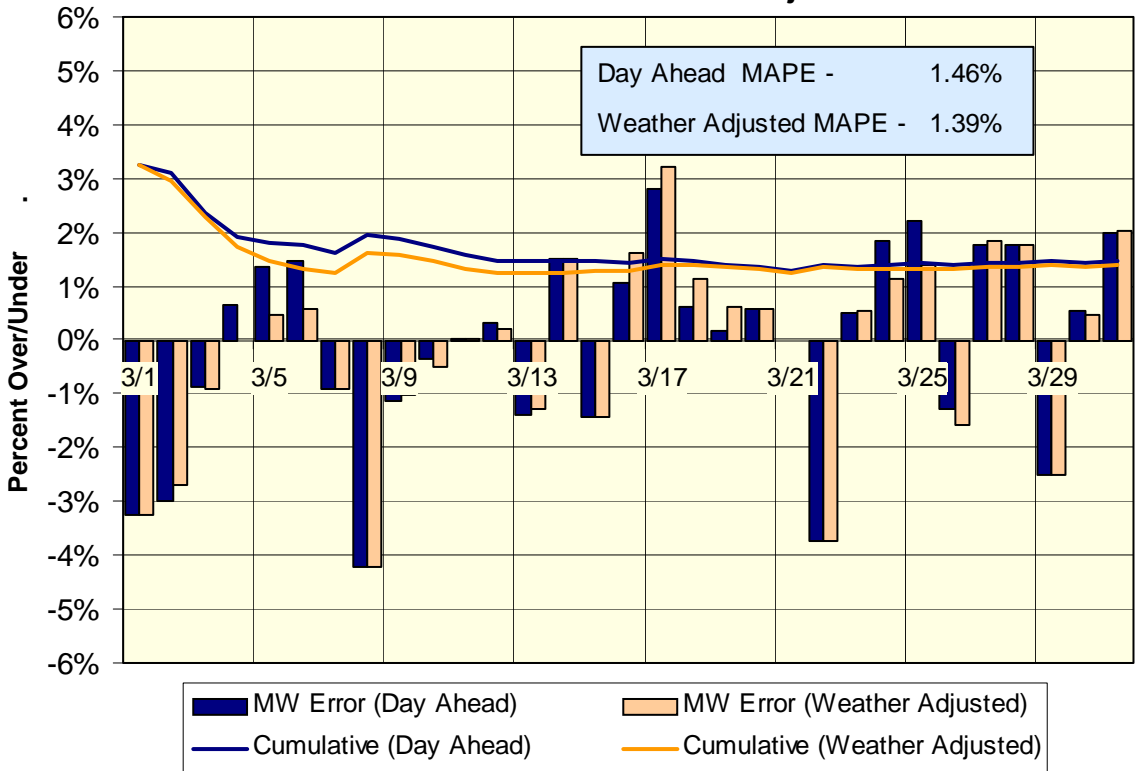
**NYISO Daily Peak Load - March 2009**  
**Actual vs Weather-Adjusted Forecast**



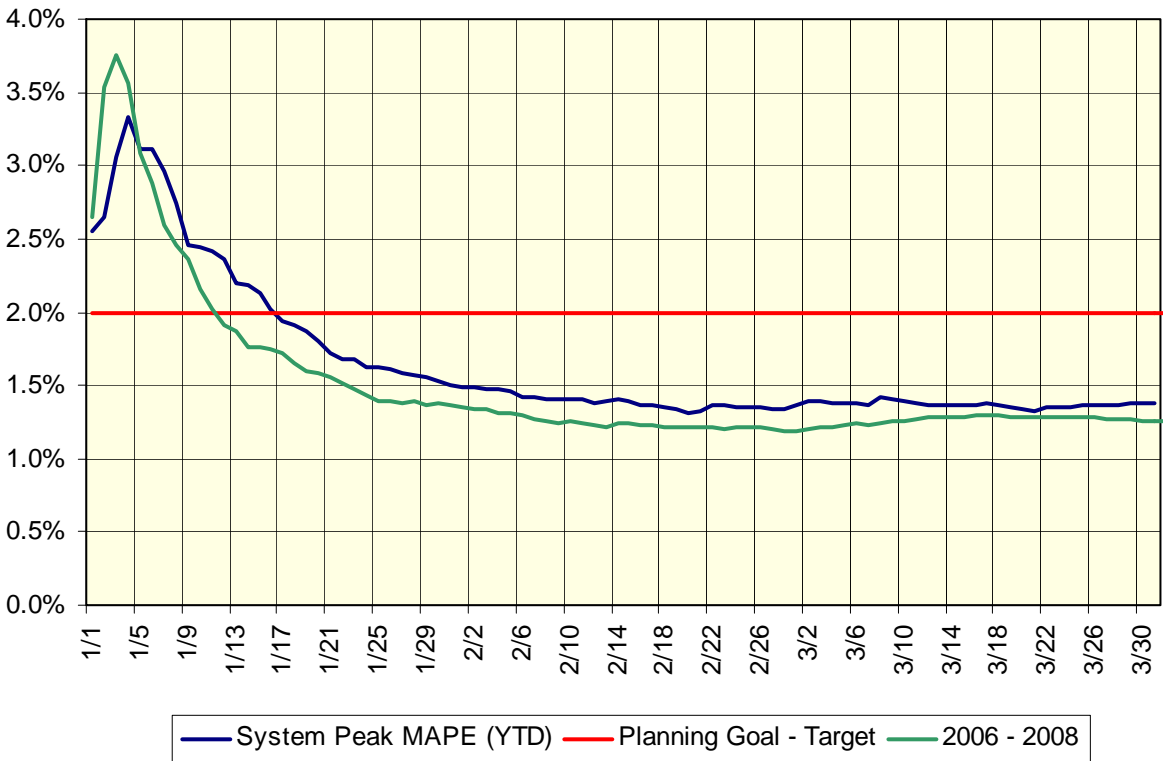
**NYISO Daily Peak Load - March 2009**  
**Actual vs Forecast**



### Day Ahead Forecast - March 2009 Percent Error - Actual & Weather Adjusted



### Day-Ahead Forecast Accuracy - Cumulative Performance 2009 Year-to-Date



# February 2009 Detailed Budget vs. Actual Results

<i>(\$ in millions)</i>	<u>ANNUAL AMOUNT</u>			<u>YTD AMOUNTS AS OF 2/28/09</u>		
<u>Cost Category</u>	<u>Original Budget</u>	<u>Year-End Projection</u>	<u>Variance</u>	<u>Plan B Budget</u>	<u>Actuals</u>	<u>Variance</u>
Capital	\$ 8.1	\$ 8.2	\$ 0.1	\$ 1.3	\$ 0.6	\$ (0.7)
Salaries & Benefits	\$ 61.3	\$ 59.4	\$ (1.9)	\$ 9.9	\$ 9.3	\$ (0.6)
Professional Fees (including Legal)	\$ 38.1	\$ 34.6	\$ (3.5)	\$ 5.7	\$ 5.2	\$ (0.5)
Building Services	\$ 5.1	\$ 5.2	\$ 0.1	\$ 0.9	\$ 0.9	\$ -
Computer Services	\$ 15.6	\$ 14.8	\$ (0.8)	\$ 2.5	\$ 2.1	\$ (0.4)
Insurance	\$ 3.2	\$ 3.2	\$ -	\$ 0.5	\$ 0.5	\$ -
Telecommunications	\$ 4.3	\$ 3.9	\$ (0.4)	\$ 0.7	\$ 0.5	\$ (0.2)
Other Expenses (BOD, Travel/Trng, NPCC Fees)	\$ 4.8	\$ 3.7	\$ (1.1)	\$ 0.4	\$ 0.3	\$ (0.1)
<b>Current Year Needs (excluding FERC Fees)</b>	<b>\$ 140.5</b>	<b>\$ 133.0</b>	<b>\$ (7.5)</b>	<b>\$ 21.9</b>	<b>\$ 19.4</b>	<b>\$ (2.5)</b>
Debt Service from Prior Year Financings	\$ 23.2	\$ 23.2	\$ -	\$ 3.9	\$ 3.8	\$ (0.1)
<b>Cash Budget (excluding FERC Fees)</b>	<b>\$ 163.7</b>	<b>\$ 156.2</b>	<b>\$ (7.5)</b>	<b>\$ 25.8</b>	<b>\$ 23.2</b>	<b>\$ (2.6)</b>
Less: Miscellaneous Revenues	\$ (3.1)	\$ (2.0)	\$ 1.1	\$ (0.6)	\$ (0.4)	\$ 0.2
Less: Proceeds from '09 Debt + PCC mortgage	\$ (21.3)	\$ (21.3)	\$ -	\$ -	\$ -	\$ -
Less: Proceeds from 2008 budget underrun and volume overcollections	\$ (5.0)	\$ (5.0)	\$ -	\$ (0.8)	\$ (0.8)	\$ -
Add: Interest on '09 Debt + PCC mortgage	\$ 0.5	\$ 0.5	\$ -	\$ -	\$ -	\$ -
<b>Net Budget Needs (excluding FERC Fees)</b>	<b>\$ 134.8</b>	<b>\$ 128.4</b>	<b>\$ (6.4)</b>	<b>\$ 24.4</b>	<b>\$ 22.0</b>	<b>\$ (2.4)</b>
FERC Fees	\$ 9.4	\$ 9.4	\$ -	\$ 1.6	\$ 1.6	\$ -
<b>Rate Schedule #1 Revenue Requirement</b>	<b>\$ 144.2</b>	<b>\$ 137.8</b>	<b>\$ (6.4)</b>	<b>\$ 26.0</b>	<b>\$ 23.6</b>	<b>\$ (2.4)</b>

Description	Status and Milestone Deliverables
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<b>Energy Marketplace Product Enhancements</b>	
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<p>A767</p> <p>MIS Enhancements: Comprehensive Bid Management System</p>	<p><b>Status:</b> The first phase of this multi-phase project was successfully deployed into production in January 2007; the second phase was deployed on schedule in October 2007. The features that were deployed include the replacement of the load bidding and virtual bidding forms and upload / download templates. Phase 3 was implemented in two deployments during 2008, resulting in the successful migration of the generation bidding pages and templates onto the new architecture. The project is scheduled to conclude in 2009 with two deployments planned to complete work on MIS Administrative functions (Phase 4) as well as data model improvements (Phase 5). Phase 4 was successfully deployed in March.</p> <p><b>Deliverables:</b> This project will upgrade the web-based application structure to replace overlapping applications by allowing common components to support current application functionality and future application functional growth. One of the deliverables will be the implementation of a more flexible and reliable application infrastructure for the market applications. This project is part of a multi-year effort that is a necessary precursor for an eventual replacement of the Market Information System (MIS) and related bidding and scheduling applications.</p>
<p>A905</p> <p>Trading Hubs (F.K.A. Netting of Bi-Laterals)</p>	<p><b>Status:</b> Using the NYISO bidding and scheduling system, a market participant will be able to establish transactions to purchase power from a portfolio of generators and deliver that power to a zonal trading hub. Using the same set of tools, the market participant can also establish separate transactions to sell that power, or portions thereof, from the trading hub to a portfolio of load serving entities.</p> <p><b>Deliverables:</b> This project will establish zonal trading hubs in the NYISO market systems that provide more flexibility in scheduling of bilateral power transactions. Integration of the MIS with the Credit Management System (CMS) is required in order to successfully implement this market design and manage the credit risk associated with scheduling these transactions.</p>
<p>B115</p> <p>New Technologies into Regulation Markets</p>	<p><b>Status:</b> This project will address the need to evaluate and develop market rules that consider the unique characteristics of the emerging technologies. Potential modifications to the bidding, scheduling, monitoring and settlement processes may be required in order to realize the full potential of these new technologies. The objective of the analysis is to evaluate the new technologies, merge these features into the market comparable with existing product suppliers while maintaining the reliability and market efficiency objectives of the NYISO.</p> <p><b>Deliverables:</b> This project will introduce the market design necessary for Limited Energy Storage Resources to provide regulation. Fly wheels and batteries are the targeted resources for this design.</p>

Description		Status and Milestone Deliverables
B116	Wind Resource Management Provisions	<p><b>Status:</b> As more generation from wind turbines is added to the system, it becomes increasingly important for NYISO to have the strong tools at our disposal to manage these resources in a reliable way. During 2008, the NYISO began achieving that goal by implementing an intelligent wind power forecasting program. Additionally, NYISO has embarked on a new 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 our ability to effectively and reliably manage wind power integration into the NY Bulk Power Grid by addressing recommendations from the 2008 Wind Integration study work, including the ability to direct wind plants to reduce output in response to observed or anticipated reliability limitations.</p>
B108	Scheduling and Pricing Improvements	<p><b>Status:</b> This first phase of the project has dealt with assessments of each of the penalties assessed to generators to determine the effectiveness and fairness of each. A number of changes have been completed, including the elimination of certain performance penalties for generators and grouped units during Start-up and Shut-down periods. The second phase of the project has dealt with establishing a market design that will capture the impact of units not following their schedules into the real-time pricing outcomes. Design of the necessary market rules, including new physical withholding provisions, has been completed and approved by the Market Participants. Implementation of the changes is scheduled for 1<sup>st</sup> quarter and 4<sup>th</sup> quarter of 2009. The second phase of the project was successfully deployed in March.</p> <p><b>Deliverables:</b> Implementation of a series of market efficiency enhancements that have been requested by Market Participants. Each of the requested enhancements requires detailed analysis and study to determine the potential for market impact.</p>
<b>Auxiliary Market Product Enhancements</b>		
B119	Demand Response Program Management System	<p><b>Status:</b> The NYISO currently uses a series of manual procedures to collect and process EDRP and SCR registrations and SCR monthly ICAP data. This multi-year effort will identify products available to automate current procedures and expand the capabilities of demand response program management, including implementation of new demand response programs. The initial phase will include the development of requirements, evaluation of system products, a make-or-buy decision, and implementation of prioritized requirements. Efforts necessary to support integration with a SmartGrid network will be explored and incorporated into the planning requirements.</p> <p><b>Deliverables:</b> Phase 1 implementation of prioritized requirements will include replacement of the existing Access database and Excel worksheets for demand response program registration, monthly processing of SCR data, and automation of the demand response event payment calculations. A subsequent phase will include on-line registration for market participants, enhanced event data submission functions and automation of CBL and performance calculations using hourly interval meter data.</p>

Description	Status and Milestone Deliverables
<p>A911 ICAP Market Changes - Deliverability</p>	<p><b>Status:</b> On January 15, 2009, FERC ruled on the NYISO's Aug. 5 Deliverability filing. NYISO will need to implement software changes to include the following:</p> <ul style="list-style-type: none"> <li>• Existing generators will be capped at a Summer Capability Period ICAP level via a one-time process based on the highest summer DMNC test over the past five years.</li> <li>• New generators will be assigned an ICAP equivalent cap for the Summer Capability Period based on the results of the Deliverability Test performed in conjunction with the annual Class Year assessment.</li> <li>• For all generators, Winter Capability Period ICAP caps will be set to the ratio of CRIS to ERIS levels for each unit, multiplied by the then applicable Winter DMNC level.</li> </ul> <p>Software changes were successfully deployed in March.</p> <p><b>Deliverables:</b> NYISO will need to implement changes to the existing ICAP Market System to support the results of Deliverability tests.</p>
<p>ICAP Buyer-Side In-City Mitigation</p>	<p><b>Status:</b> This project will implement the rules set forth in the NYISO's May 7, 2008 FERC filing, pending FERC approval. The effort consists of:</p> <ul style="list-style-type: none"> <li>• For new generators deemed to be Uneconomic, flagging the unit Uneconomic and establish an Effective Start/End Date when the unit is subject to Buyer-Side Mitigation.</li> <li>• Calculating and entering a Unit Specific Buyer-Side Mitigation Reference Floor Price.</li> <li>• Prohibiting Offers to Sell for Uneconomic Unit as Bilateral Sale, Strip or Monthly Auction.</li> <li>• Implementing rules to handle overlap between Supply-Side and Buyer-Side Mitigation for units deemed Uneconomic.</li> </ul> <p><b>Deliverables:</b> The software changes necessary to support these rules are being developed and tested with implementation scheduled for 2<sup>nd</sup> quarter of 2009.</p>
<p>A907 Forward Capacity Market Design</p>	<p><b>Status:</b> With the implementation of long-term forward capacity markets in PJM and ISO-NE, the NYISO and its stakeholders are considering the addition of a forward market and modifications to the existing capacity market as necessary. Top-level designs for both a mandatory and voluntary market design were vetted with stakeholders during 2008. Stakeholder discussions are ongoing with recent emphasis on credit implications and potential credit requirements. Stakeholder approval of a design is targeted for 2<sup>nd</sup> quarter 2009. If significant agreement is reached during this phase, it will be possible to begin software development of the new market design in 2009.</p> <p><b>Deliverables:</b> Design of a forward capacity market to supplement existing capacity market instruments. Following agreement on a design, and implementation plan and schedule will be developed and executed.</p>

Description	Status and Milestone Deliverables
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<b>TCC Marketplace Product Enhancement</b>	
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A993      TCC Auction  
Automation – Phase 3

**Status:** Following the implementation of the first phase of the TCC Auction Automation software project (Automation of the Awards Process), following phases will deliver the Database / Inventory Automation (Phase 2) and Bidding (Phase 3) functionality required to fully automate the TCC markets. Phase 2 successfully deployed in October 2008. Phase 3 deliverables will allow Market Participants to submit their bids and offers into an auction via a web interface and through an upload process. Error detection will be performed on these submitted bids and offers. Screens will be developed to allow Market Participants to review and modify their submitted bids and offers. Phase 3 was successfully deployed to production on February 10 prior to the Spring 2009 Capability Period Auction. This project is complete.

**Deliverables:** Following the implementation of the first phase of the TCC Auction Automation software project (Automation of the Awards Process), following phases will deliver the Database / Inventory Automation (Phase 2) and Bidding (Phase 3) functionality required to fully automate the TCC markets.

B125      TCC Enhancement  
Features – Phase 1

**Status:** 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:

- 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).
- 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).
- 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.

**Deliverables:** This project will provide for TCC Auction 'End State' functionality to include the ability to offer Multi-Period Auctions with possible Balance-of-Period Auction, On Peak - vs- Off Peak, etc.

<b>Operations and Reliability Product Enhancements</b>	
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B122      Reference Price  
Software  
Replacement

**Status:** In 2008 the NYISO initiated the scoping, requirement definition and project plan development, which is currently scheduled for completion in 1<sup>st</sup> quarter 2009. These activities will include deciding on internal/vendor provision as well as process improvements. A software/implementation design is targeted for 3<sup>rd</sup> quarter 2009. NYISO selected LTI and Potomac through a competitive bidding process; requirements definition is currently underway.

**Deliverables:** This is a multi-phased project focusing on the next generation of the Reference Price Software.



Description	Status and Milestone Deliverables
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B118	Linden VFT	<p><b>Status:</b> The Linden VFT Project's 300 MW of incremental Transmission Transfer Capability was auctioned in twelve - 25 MW blocks. Four customers were awarded transmission scheduling rights ("TSRs") in the open season auction for terms of either three, five or seven years from commercial operation. Nine 25 MW blocks were subscribed for a three year term. Three 25 MW blocks were subscribed for five years. Implementation is requested for June 2009 (100 MW) and end of year (300 MW).</p> <p><b>Deliverables:</b> This project will implement the controllable tie line for Linden VFT. The Linden VFT will be a 300 MW VFT bidirectional, controlled line from NJ to the Goethals 345 station. Linden VFT will use incremental transmission capacity on the existing 345 KV radial line that connects the Linden Cogeneration Facility to Con Ed's Goethals substation. This project will also incur cost of additional metering equipment, telephone lines at the PCC &amp; KCC (Phase 1 data signal).</p>
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B128	Outage Scheduler Automation – Phase 2	<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 includes integration with Ranger and automation of external interfaces.</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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<b>Finance Systems Product Enhancements</b>	
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A949	Credit Management System	<p><b>Status:</b> The multi-phase project will provide credit automation capabilities for each of the NYISO markets in a phased delivery fashion. Following review of the proposals, the cross-functional team selected the software product from the ROME Corporation as the platform on which to build the new system. The project was officially launched in April 2008 with discovery and detailed planning activities. Some internal credit functionality was deployed to production in November 2008. The integration of the Credit Management System and the TCC Automated System was successfully deployed on schedule in February.</p> <p><b>Deliverables:</b> Implementation of a rules-based system to integrate with the various NYISO market platforms for the purposes of providing a comprehensive Credit Management System for the NYISO enterprise. This multi-phase project will provide the tools necessary for the Credit Department to manage MP credit and collateral limits, provide Market Participants with tools and reports to manage their own credit, and provide integration to all NYISO market functions such that customer credit obligations are met. 2009 deliverables include Virtual Transactions (Phase 2), Energy and Ancillary Services (Phase 3) and ICAP – Software Ready (Phase 4).</p>
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Description	Status and Milestone Deliverables
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B129	Billing Process Automation – EDRP Settlements	<p><b>Status:</b> This project is in the discovery and requirements phase. This settlement process will ultimately require integration with the new Demand Response Program Management System.</p> <p><b>Deliverables:</b> The NYISO is continuing to dedicate resources to identify automated solutions to the most prevalent manual billing adjustments; this program has been identified as critical and valuable by settlements stakeholders. This project will provide an automated data processing solution for EDRP settlements. The 2009 deliverable is a software design with implementation planned for 2010.</p>
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	Consolidated Invoice Enhancements	<p><b>Status:</b> This is a multi-year project with the ultimate objective of redesigning or replacing Consolidated Invoice to provide a cleaner interface for MPs to receive settlement data and to provide greater flexibility and supportability for NYISO staff on the basis of a more robust architecture. Con Invoice has been identified for redesign or replacement to support the goals of the Settlement System Replacement (SSR) strategy. Redesign would entail leveraging the new rules engine platform to the greatest extent possible for the timely delivery of settlement invoices.</p> <p><b>Deliverables:</b> 2009 project objectives will deliver targeted functionality to support any changes to market rules or the settlement cycle per stakeholder discussions and approval, as well as design deliverables to support the eventual re-architecture of the platform.</p>
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Business Intelligence Product Enhancements	
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B139	MMP Data Mart – Phase 2 and 3	<p><b>Status:</b> This project continues the multi-year effort to build a new data mart designed around the needs of the Market Monitoring and Performance (MMP) team. Since the data needs for this team are extensive and require much of the data that is produced by the NYISO, an initial investigation provided a prioritization for providing needed capabilities in a phased approach. The Physical and Economic Withholding area of responsibility within MMP emerged as the area to provide the most value with a reasonably moderate set of data. This project leverages the significant investment NYISO has made in the Decision Support System (DSS). As this data is introduced into a new data mart for MMP it will also be made available in the existing Customer Settlements and the Pricing Data Marts where appropriate. The first phase was deployed to production in October 2008. Phase 2 is scheduled to complete the delivery of data access to Physical Withholding and Phase 3 is planned for transactions data access.</p> <p><b>Deliverables:</b> Process and system reviews performed for the Market Monitoring and Performance unit during 2007 highlighted deficiencies in the tool-set available to the MMP team for performing certain monitoring and analysis functions. This project is a multi-phase, multi-year effort to provide an integrated and robust set of tools to augment existing processes and manual tools in place. Additional analysis capabilities beyond compliance requirements will be identified and provided.</p>
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Description	Status and Milestone Deliverables
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B126	NYISO Public Website Redesign	<p><b>Status:</b> This is a significant project to update the NYISO public website with an emphasis on replacing old technology and moving to a more current, navigational design. The requirements for this project will incorporate input from discussions with internal stakeholders (External Affairs) and external stakeholders (Market Participants). This project is currently in the requirements phase.</p> <p><b>Deliverables:</b> This project is a redesign of the public website, including the overall look and feel (moving to a navigational design); the base technology (currently Tibco Portal builder); and the content and organization of the site.</p>
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**Infrastructure Product Enhancements**

B114	HRIS/ERP System – HR Automation	<p><b>Status:</b> The NYISO Human Resources process is currently carried out by a team of HR Generalists who use a set of spreadsheet-based tools, manual data capture, and storage processes. While the manual processes are well-documented and consistently followed, they can be cumbersome and inefficient. Deliverables in 2009 are concentrated on four modules for implementation: Human Resources Information, Self Service for Employees, Advanced Benefits and Time and Labor. This project is currently on hold, pending the resolution of the Oracle software licensing issues.</p> <p><b>Deliverables:</b> The end-state vision is an application with the following: supports bidirectional data flow between NYISO applications; robustness to support future expansions; easily configurable to support calculation changes; and standard and customized reporting capabilities to support analysis and business processes.</p>
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A928	Oracle Forms Replacement	<p><b>Status:</b> The project has been defined to multiple phases according to the individual business owner / functional area impacted. The first phase was completed in 2007 and involved the usage analysis and elimination of unnecessary forms. The second phase is directed at the Operations department functions and was successfully deployed in mid September. Parallel tracks of work are already addressing the other functional areas of the platform. Finance forms were successfully deployed in February.</p> <p><b>Deliverables:</b> A number of the internal use applications are developed on the Oracle Forms development platform. This technology is no longer supported by the vendor, and the replacement of this platform represents a gating factor for the upgrade of the Oracle database version. Oracle Forms applications are in use by almost every internal NYISO department for managing market data and supporting various NYISO business processes.</p>
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B138	Lotus Notes Retirement	<p><b>Status:</b> As a result of the MS Exchange Project there has been preliminary analysis performed regarding the impact to the Lotus Notes Applications and databases. Work is underway to complete the roadmap for the retirement of the application and database being utilized in Lotus Notes as the NYISO transitions to MS Exchange for E-Mail and calendaring. There needs to be a roadmap put together for the retirement of the application and databases being utilized in Lotus Notes. The migration from Notes to Exchange is currently underway, with approximately two-thirds of the migration complete.</p> <p><b>Deliverables:</b> Implement MS Exchange and retire Lotus Notes.</p>
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## NYISO REGULATORY FILINGS – March 2009

- Mar. 5, 2009 NYISO section 205 tariff filing of proposed revisions to enhance operational control of wind resources and to amend the applicable settlement rules (ER09 -802-000)
- Mar. 5, 2009 NYISO section 205 tariff filing of proposed revisions regarding the development of statewide load forecasts (ER09-803-000)
- Mar. 9, 2009 NYISO answer to the HQ and Brookfield requests for clarification or rehearing regarding NYISO's deliverability tariff filing (ER04-449-017)
- Mar. 9, 2009 NYISO joint filing of a LGIA with LIPA and Caithness Long Island (ER09-831-000)
- Mar. 11, 2009 NYISO section 205 tariff filing to integrate energy storage devices into the NYISO-administered regulation service market (ER09-836-000)
- Mar. 11, 2009 NYISO report regarding its waiver request concerning the discovery and fixing of PAR setting errors (ER09-405-001)
- Mar 12, 2009 NYISO filing of a motion to intervene regarding the NERC/NPCC compliance filing concerning a list of bulk electric system facilities within the NPCC region (RC09-3-000)
- Mar 18, 2009 NYISO errata filing to Integrated Energy Storage Devices into the NYISO regulation service market (ER09-836-000)
- Mar 25, 2009 NYISO filing of reply comments in support of the Settlement Agreement and Offer of Settlement between PJM and Con Ed for long-term point-to-point transmission service that was filed on February 23, 2009 (ER08-858-000, ER08-867-00, EL02-23-000)
- Mar 27, 2009 NYISO and NYTO joint filing of a request for extension of time and expedited action regarding filing of a consensus deliverability plan (ER04-449-017)
- Mar 27, 2009 NYISO joint filing of a LGIA with National Grid and Erie Boulevard Hydropower, L.P. (ER09-905-00)

This list is current as of 4:00 PM April 8, 2009.

## **FERC ORDERS – March 2009**

- Mar. 10, 09 FERC order granting in part and denying in part NYISO's request for waiver of certain tariff provisions regarding implementation of a second level of generator interconnection service (ER04-449-017)
- Mar. 11, 09 FERC letter order accepting tariff revisions to clarify the real-time process for unit commitment and to align the scheduling and pricing outcomes and to change how it monitors physical withholding and uneconomic overproduction (ER09-686-000 and 001)
- Mar. 26, 09 FERC letter order accepting NYISO's filing of the Seventeenth Quarterly Report Regarding the Integration of energy storage devices into the NYISO-administered regulation service market. (ER04-230-042, ER01-3155-027, ER01-1385-036, and EL01-45-035)
- Mar. 31, 09 FERC order granting in part and denying in part requests for rehearing of its 10/16/08 order conditionally accepting NYISO's Order No. 890 compliance filing of its transmission planning process and a revised reliability agreement (OA08-52-003)

This list is current as of 4:01 PM April 8, 2009.