
NYISO CEO/COO Report

*Management Committee Meeting
July 21, 2010*

Agenda #3

Report Items

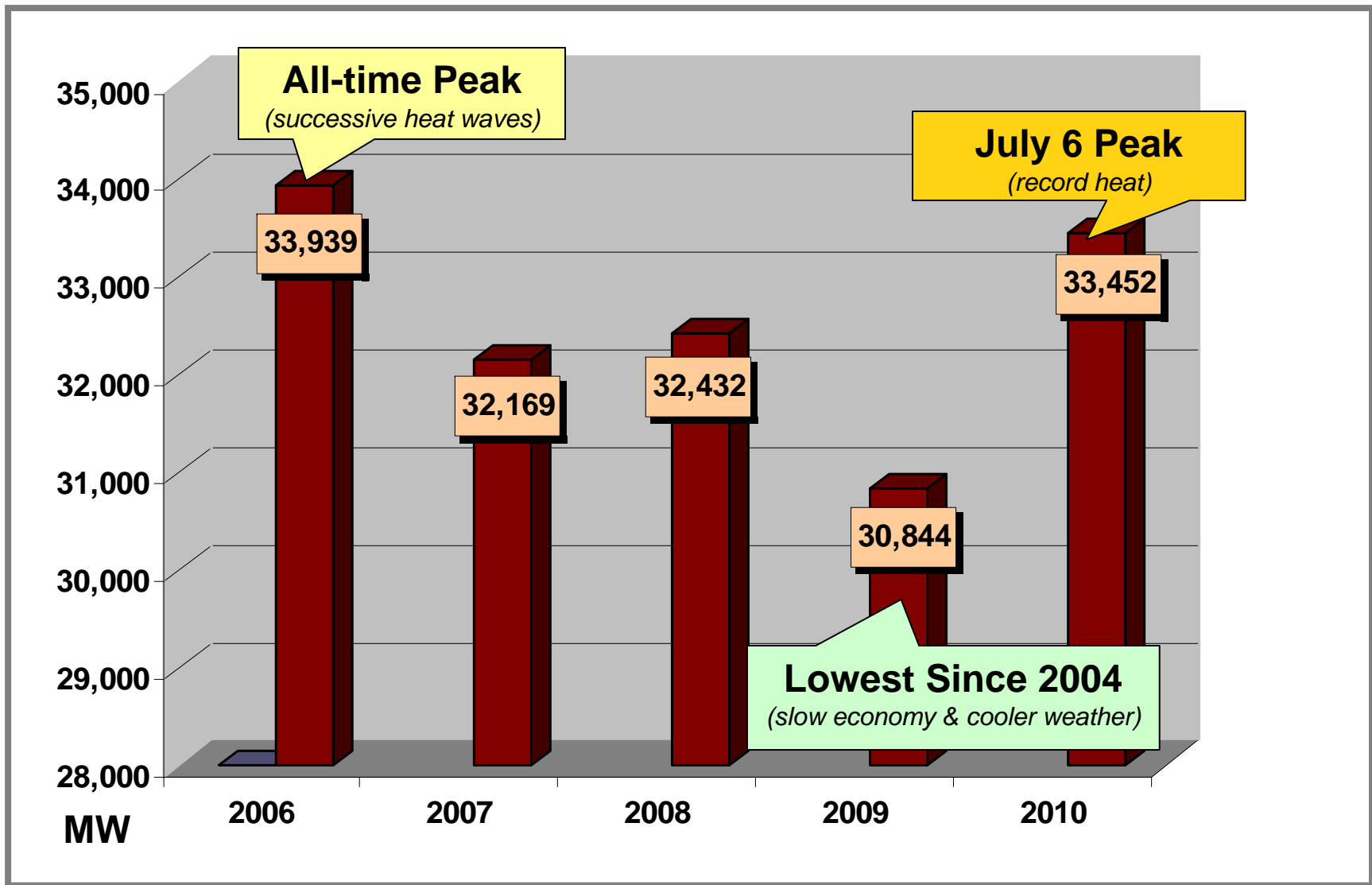
CEO Report

- Consumer Initiatives

COO Report

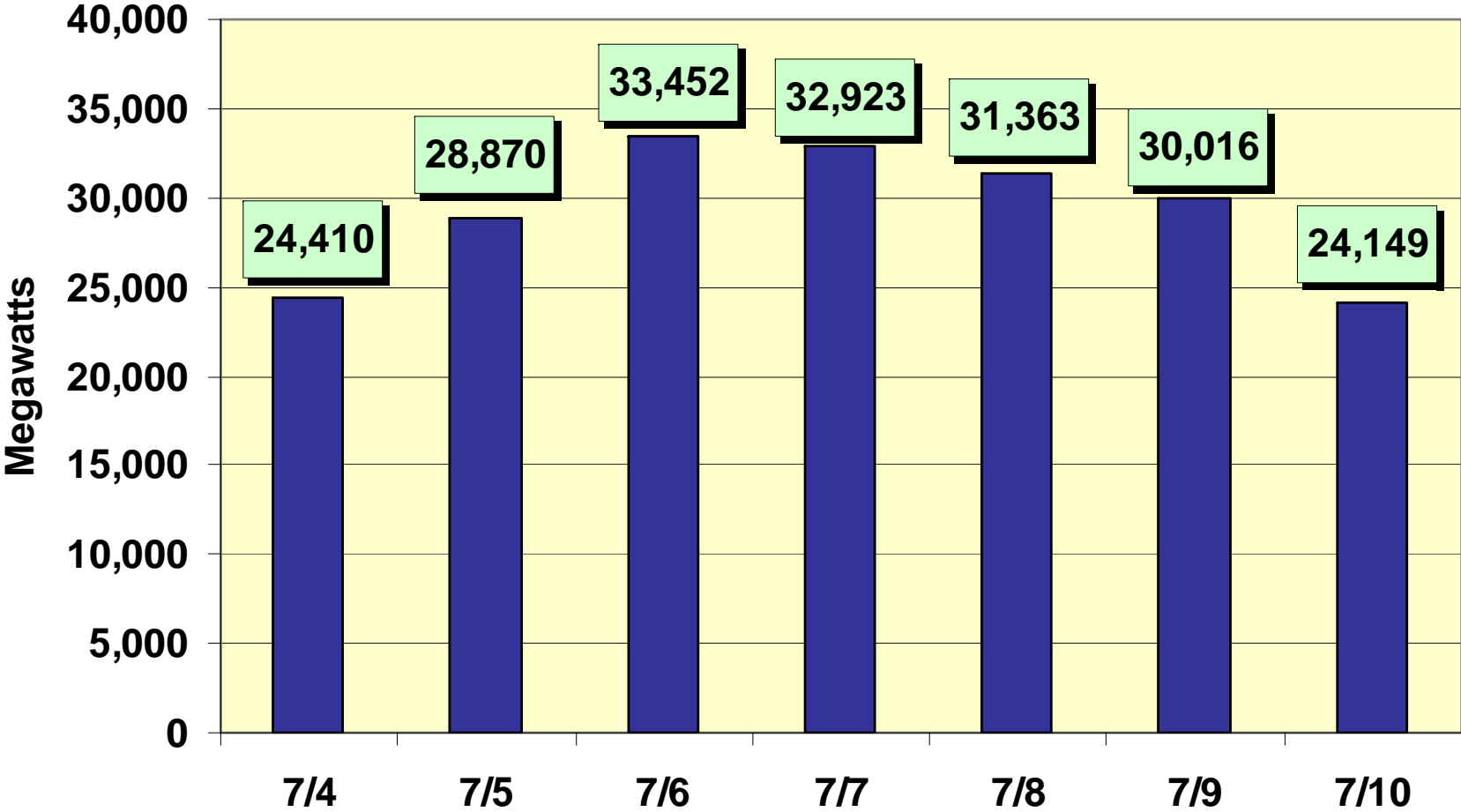
- Heat Wave
- Market Performance Highlights – For Information Only
- Operations Performance Metrics Monthly Report

Summer Peak Loads: 2006-2010



Daily Peak Loads

July 4-10, 2010



SOURCE: NYISO Capacity Report (July 5, 2010 – July 11, 2010)

Week of July 4, 2010

Operational Events

July 5, 2010

Peak Load; 28,870 MW (HB16)

EDRP/SCR all zones notified advisory for July 6, 2010 13:00-19:00

July 6, 2010

Peak Load; 33,452 MW (HB16)

EDRP/SCR all zones notified advisory for July 7, 2010 13:00-19:00

EDRP/SCR activated for Zone J 13:00-19:00 (approximately 450MW relief expected)

UPNY/ConEd interface limited for Sprainbrook voltage from 13:37 until 18:08

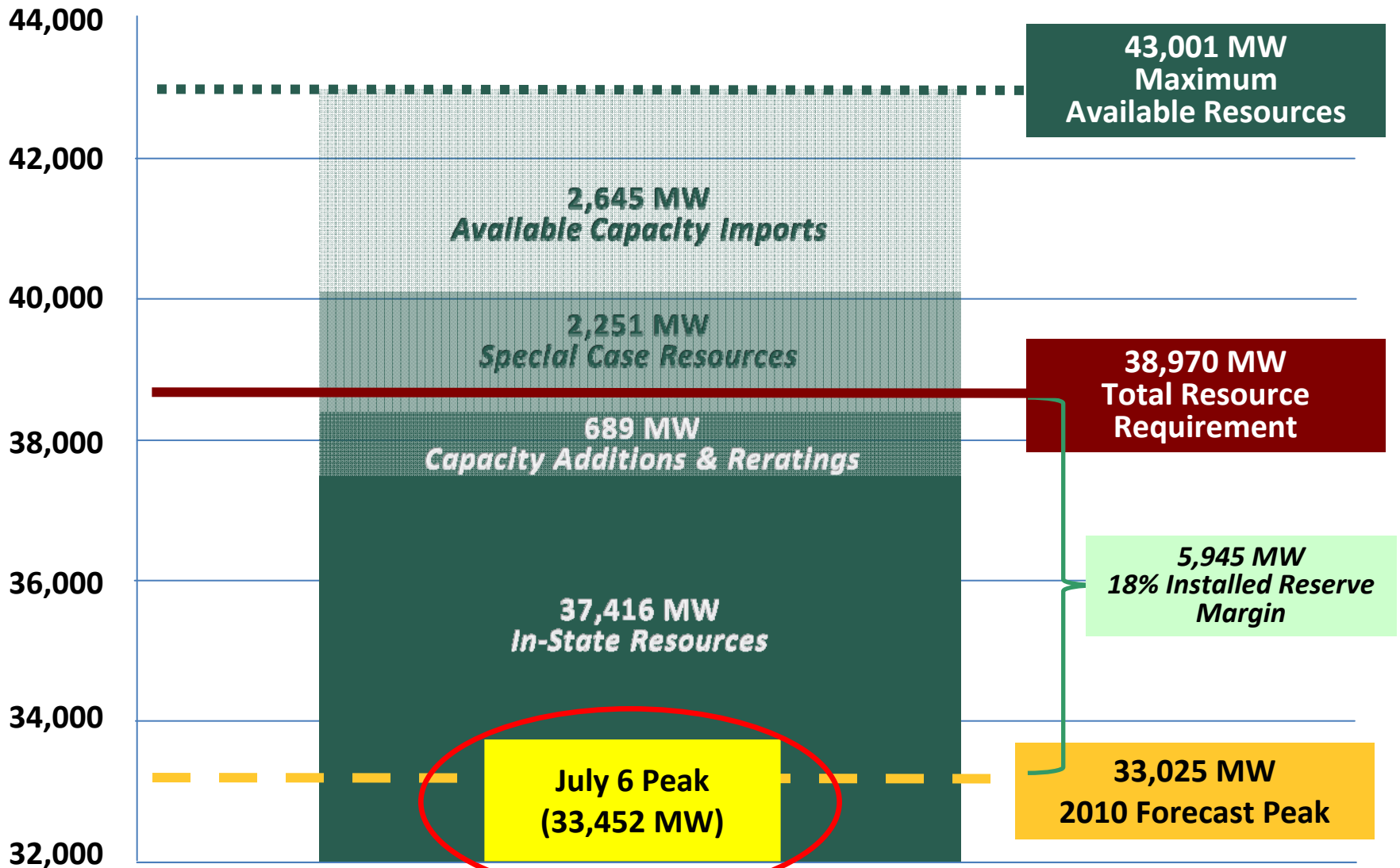
July 7, 2010

Peak Load; 32,923MW (HB15)

EDRP/SCR activated for Zone J 13:00-19:00 (approximately 450MW relief expected)

UPNY/ConEd limited for Sprainbrook voltage from 12:51 until 16:48

Maximum Resource Availability

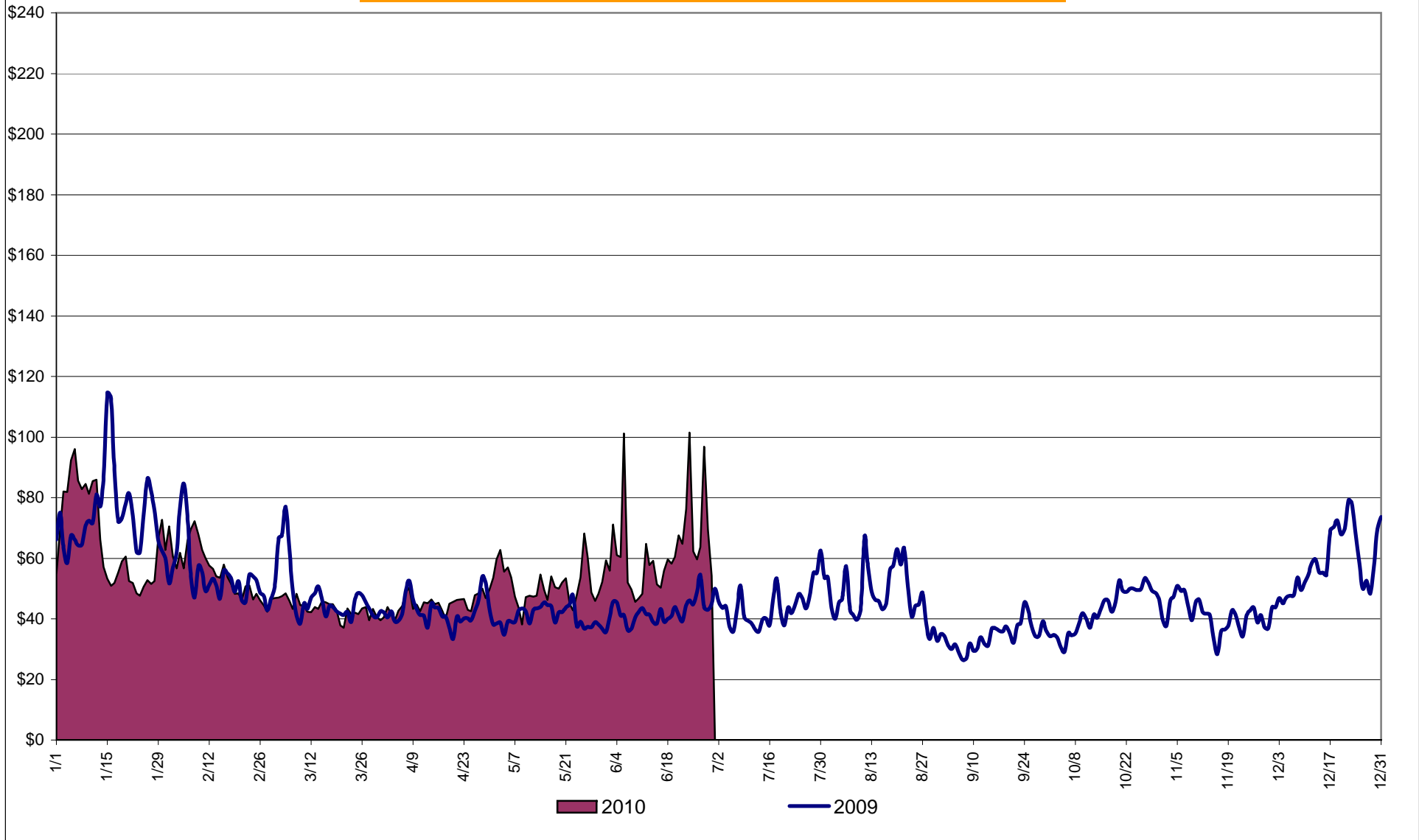


SOURCE: 2010 Load and Capacity Data Report - New York Independent System Operator

Market Performance Highlights for June 2010

- **LBMP for June is \$59.09/MWh, up from \$48.82/MWh in May 2010.**
 - Average monthly cost is \$64.46/MWh, up from \$51.87/MWh in May 2010.
 - Day Ahead and Real Time LBMPs have increased from May 2010.
- **Average daily sendout is 491GWh/day in June, up from 415GWh/day in May 2010 and higher than the June 2009 sendout of 427GWh/day.**
- **Natural Gas prices are up compared to last month, while the distillates are lower.**
 - Kerosene is \$15.76/MMBtu, down from \$15.86/MMBtu in May.
 - No. 2 Fuel Oil is \$14.50/MMBtu, down from \$14.60/MMBtu in May.
 - No. 6 Fuel Oil is \$11.21/MMBtu, down from \$11.62/MMBtu in May.
 - Natural Gas is \$5.18/MMBtu, up from \$4.49/MMBtu in May.
- **Uplift per MWh is trending up from the previous month.**
 - Uplift (not including NYISO cost of operations) is \$2.31/MWh, up from \$0.32/MWh in May:
 - The TSA share is \$0.69/MWh
 - The Local Reliability Share is \$0.76/MWh
 - The Other Share is \$0.86/MWh
- **Total uplift (Schedule 1 components including NYISO Cost of Operations) of \$44.6 million in June is higher compared to \$13.6 million in May.**
 - A Large portion of the Uplift is attributed to seven TSA events and the fire at the Dunwoodie substation

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)*
 2009 Annual Average \$48.68/MWh
 June 2009 YTD Average \$52.08/MWh
 June 2010 YTD Average \$55.47/MWh



* Excludes ICAP payments.

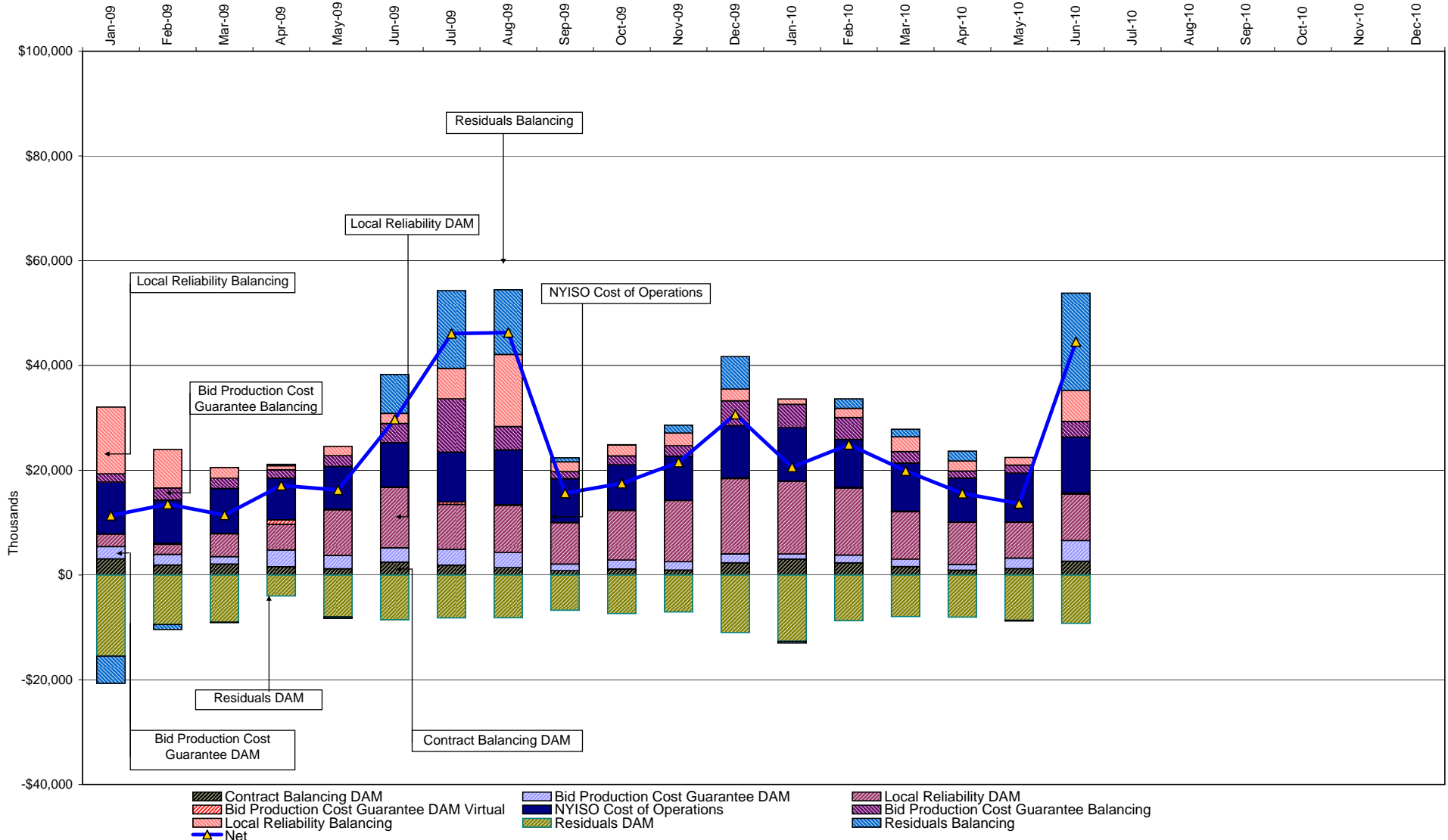
NYISO Average Cost/MWh (Energy and Ancillary Services) *
from the LBMP Customer point of view

2010	<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	41.56	48.82	59.09						
NTAC	0.70	0.77	0.88	1.19	0.95	1.46						
Reserve	0.19	0.17	0.26	0.29	0.32	0.14						
Regulation	0.44	0.37	0.40	0.32	0.30	0.31						
NYISO Cost of Operations	0.71	0.71	0.71	0.71	0.71	0.71						
Uplift	0.73	1.22	0.82	0.61	0.32	2.31						
Uplift: TSA Share	-	-	-	-	0.03	0.69						
Uplift: Local Reliability Share	0.53	0.72	0.49	0.39	0.19	0.76						
Uplift: Other Share	0.20	0.50	0.33	0.22	0.10	0.86						
Voltage Support and Black Start	<u>0.44</u>	<u>0.44</u>	<u>0.44</u>	<u>0.44</u>	<u>0.44</u>	<u>0.44</u>						
Avg Monthly Cost	67.11	56.13	43.71	45.13	51.87	64.46						
Avg YTD Cost	67.11	62.05	56.30	53.63	53.28	55.47						
2009	<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	55.64
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	2.74	0.62	0.70	1.07	1.43
Uplift: TSA Share	-	-	0.00	0.02	0.02	0.45	0.75	0.47	-	-	-	-
Uplift: Local Reliability Share	0.15	0.28	0.12	0.22	0.41	0.78	0.83	1.35	0.39	0.46	0.70	0.78
Uplift: Other Share	(0.04)	0.13	0.09	0.43	0.20	0.48	1.08	0.92	0.23	0.24	0.37	0.65
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>
Avg Monthly Cost	75.55	55.50	48.06	42.81	40.65	43.08	45.49	48.39	34.54	42.81	41.35	59.48
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	48.68

* Excludes ICAP payments.

These numbers reflect the true-ups thru May 2010.

NYISO Dollar Flows - Uplift - OATT Schedule 1 components - Data through June 30, 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

2010	January	February	March	April	May	June	July	August	September	October	November	December
Day Ahead Market MWh	14,034,781	12,593,305	12,922,930	11,769,468	12,795,110	14,263,543						
DAM LSE Internal LBMP Energy Sales	49%	46%	47%	53%	47%	49%						
DAM External TC LBMP Energy Sales	2%	3%	1%	1%	1%	2%						
DAM Bilateral - Internal Bilaterals	41%	43%	43%	39%	44%	42%						
DAM Bilateral - Import/Non-LBMP Market Bilaterals	6%	5%	5%	4%	5%	5%						
DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%	1%	2%	2%	2%	1%						
DAM Bilateral - Wheel Through Bilaterals	2%	1%	1%	1%	1%	1%						
Balancing Energy Market MWh	377,242	280,238	21,148	637	341,742	735,521						
Balancing Energy LSE Internal LBMP Energy Sales	40%	53%	-427%	-14017%	61%	87%						
Balancing Energy External TC LBMP Energy Sales	56%	50%	593%	17099%	44%	11%						
Balancing Energy Bilateral - Internal Bilaterals	10%	7%	191%	6847%	7%	10%						
Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals	0%	0%	2%	35%	1%	0%						
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	7%	8%	117%	3606%	6%	3%						
Balancing Energy Bilateral - Wheel Through Bilaterals	-12%	-18%	-376%	-13470%	-19%	-10%						
Transactions Summary												
LBMP	52%	50%	49%	54%	50%	54%						
Internal Bilaterals	40%	43%	43%	39%	43%	40%						
Import Bilaterals	5%	5%	5%	4%	5%	5%						
Export Bilaterals	2%	2%	2%	2%	2%	1%						
Wheels Through	1%	1%	1%	1%	0%	0%						
Market Share of Total Load												
Day Ahead Market	97.4%	97.8%	99.8%	100.0%	97.4%	95.1%						
Balancing Energy +	2.6%	2.2%	0.2%	0.0%	2.6%	4.9%						
Total MWh	14,412,023	12,873,543	12,944,078	11,770,104	13,136,851	14,999,065						
Average Daily Energy Sendout/Month GWh	451	444	410	387	415	491						

2009	January	February	March	April	May	June	July	August	September	October	November	December
Day Ahead Market MWh	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%
Balancing Energy Market MWh	699,813	282,553	70,320	152,623	272,508	-115,653	131,797	560,968	170,324	238,124	-165,015	431,981
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%
Transactions Summary												
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%
Market Share of Total Load												
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	14,478,602
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>
<u>DAY AHEAD LBMP</u>												
Price *	\$60.96	\$50.47	\$38.69	\$40.13	\$45.29	\$52.71						
Standard Deviation	\$20.86	\$13.07	\$7.78	\$8.09	\$11.45	\$16.14						
Load Weighted Price **	\$62.80	\$51.71	\$39.60	\$41.18	\$47.04	\$55.22						
<u>RTC LBMP</u>												
Price *	\$59.32	\$49.38	\$37.94	\$40.58	\$46.70	\$58.69						
Standard Deviation	\$33.92	\$24.97	\$14.48	\$13.84	\$21.47	\$58.47						
Load Weighted Price **	\$60.85	\$50.16	\$38.64	\$41.54	\$48.31	\$61.91						
<u>REAL TIME LBMP</u>												
Price *	\$60.40	\$50.45	\$38.09	\$40.49	\$47.17	\$58.49						
Standard Deviation	\$42.06	\$30.38	\$19.24	\$17.00	\$28.15	\$56.05						
Load Weighted Price **	\$63.13	\$51.69	\$39.19	\$41.62	\$49.38	\$63.06						
Average Daily Energy Sendout/Month GWh	451	444	410	387	415	491						

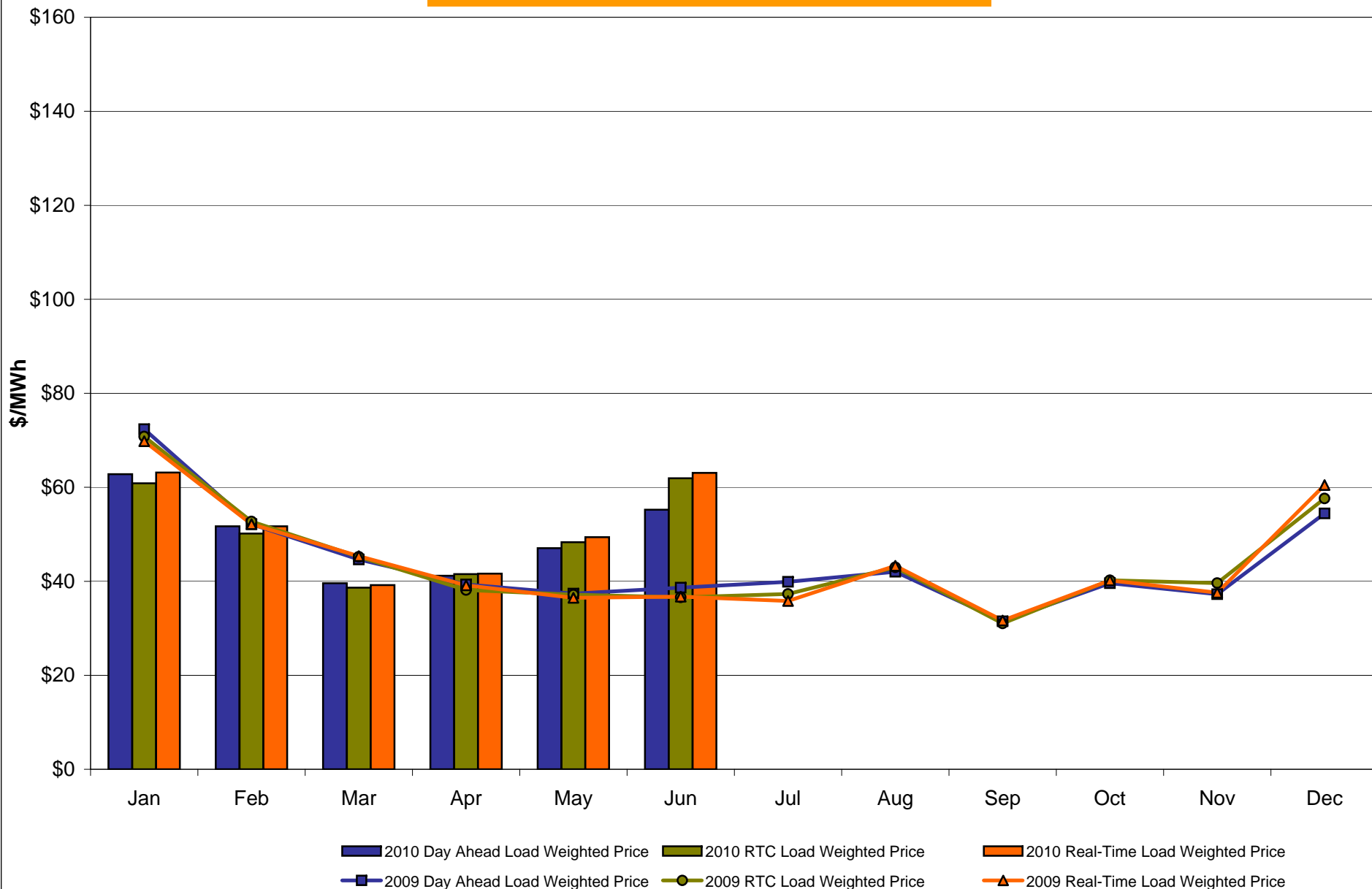
NYISO Markets 2009 Energy Statistics

	<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>
<u>DAY AHEAD LBMP</u>												
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
<u>RTC LBMP</u>												
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
<u>REAL TIME LBMP</u>												
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

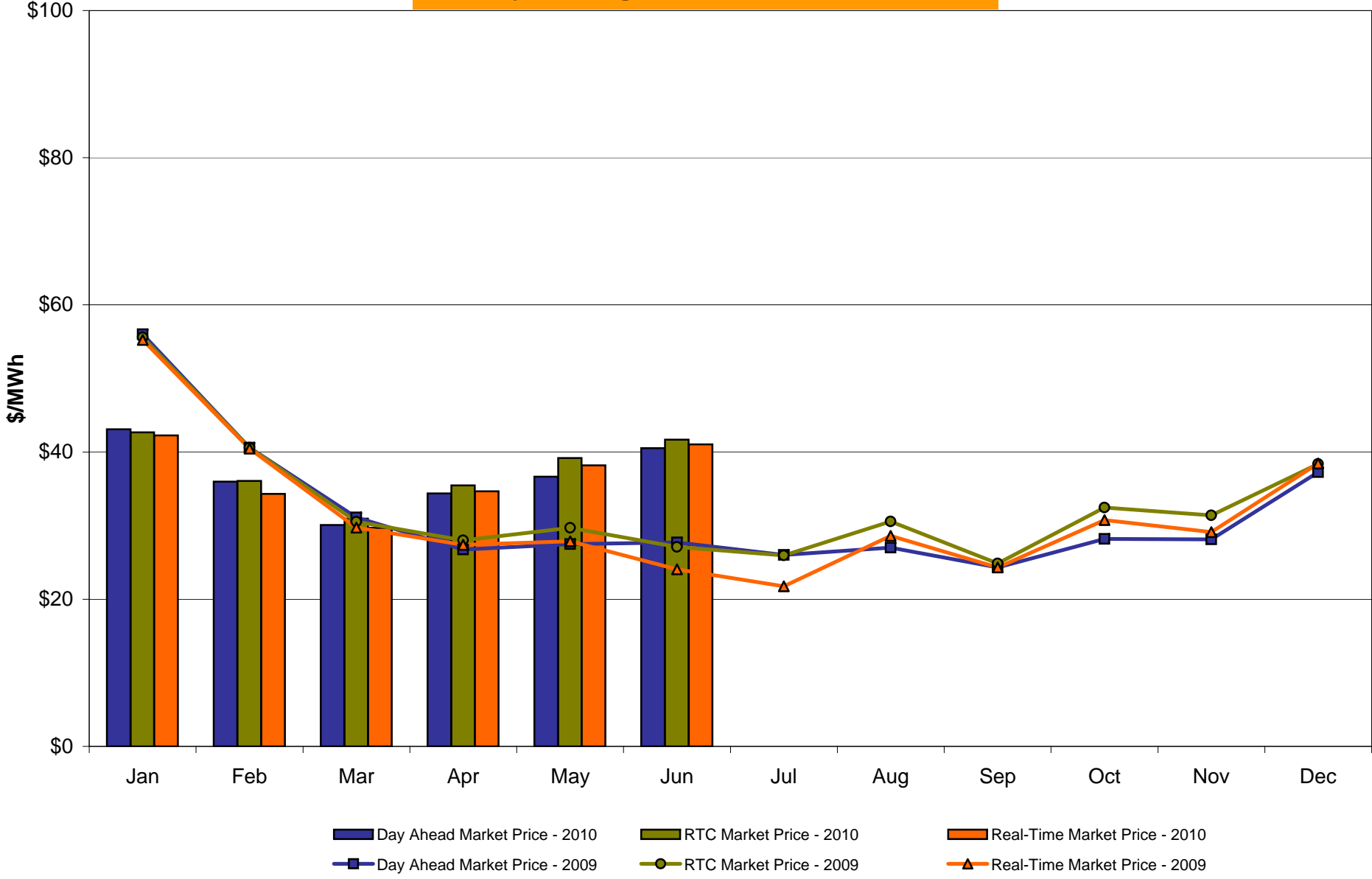


June 2010 Zonal LBMP Statistics for NYISO (\$/MWh)

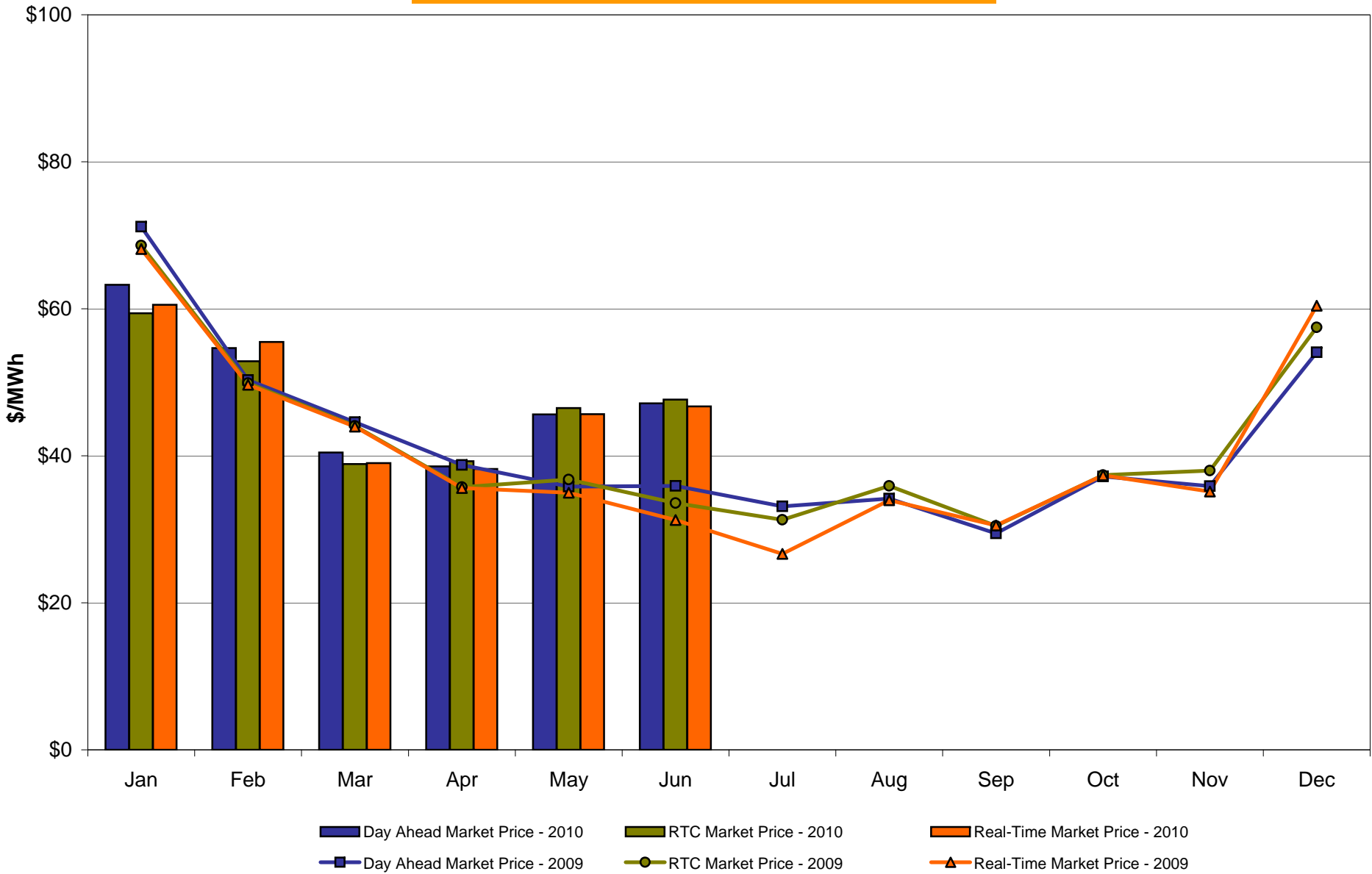
	<u>WEST</u> <u>Zone A</u>	<u>GENESEE</u> <u>Zone B</u>	<u>NORTH</u> <u>Zone D</u>	<u>CENTRAL</u> <u>Zone C</u>	<u>MOHAWK</u> <u>VALLEY</u> <u>Zone E</u>	<u>CAPITAL</u> <u>Zone F</u>	<u>HUDSON</u> <u>VALLEY</u> <u>Zone G</u>	<u>MILLWOOD</u> <u>Zone H</u>	<u>DUNWOODIE</u> <u>Zone I</u>	<u>NEW YORK</u> <u>CITY</u> <u>Zone J</u>	<u>LONG</u> <u>ISLAND</u> <u>Zone K</u>
<u>DAY AHEAD LBMP</u>											
Unweighted Price *	40.53	41.90	41.97	43.32	45.19	47.15	53.14	54.25	54.88	58.98	59.41
Standard Deviation	6.66	7.12	6.62	7.46	8.02	9.28	17.39	20.30	20.83	22.35	23.34
<u>RTC LBMP</u>											
Unweighted Price *	41.69	43.16	43.36	44.37	46.74	47.64	59.10	60.91	63.21	68.38	67.85
Standard Deviation	20.44	21.49	21.42	21.94	23.62	22.98	76.40	86.67	89.31	85.86	90.59
<u>REAL TIME LBMP</u>											
Unweighted Price *	41.06	42.48	42.77	43.68	46.01	46.73	58.60	60.43	62.56	68.13	67.94
Standard Deviation	22.92	24.03	23.52	24.50	25.52	25.33	71.41	81.06	83.26	79.58	84.15
	<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>	<u>LINDEN VFT</u> <u>Controllable</u> <u>Line</u>	<u>Dennison</u> <u>Controllable</u> <u>Line</u>	
<u>DAY AHEAD LBMP</u>											
Unweighted Price *	39.55	42.30	41.70	49.66	49.23	58.83	57.87	58.18	55.11	41.78	
Standard Deviation	6.26	6.51	5.97	14.54	11.58	23.44	21.11	23.11	15.22	6.43	
<u>RTC LBMP</u>											
Unweighted Price *	40.31	43.26	40.01	49.54	49.14	60.85	60.18	60.58	52.39	40.94	
Standard Deviation	11.89	32.23	32.82	15.70	14.70	41.64	41.11	41.63	20.09	36.98	
<u>REAL TIME LBMP</u>											
Unweighted Price *	39.88	41.83	38.88	49.91	50.55	66.93	66.34	66.60	59.43	42.44	
Standard Deviation	22.85	22.99	22.69	45.64	35.96	87.18	85.52	87.24	73.23	23.77	

* Straight LBMP averages

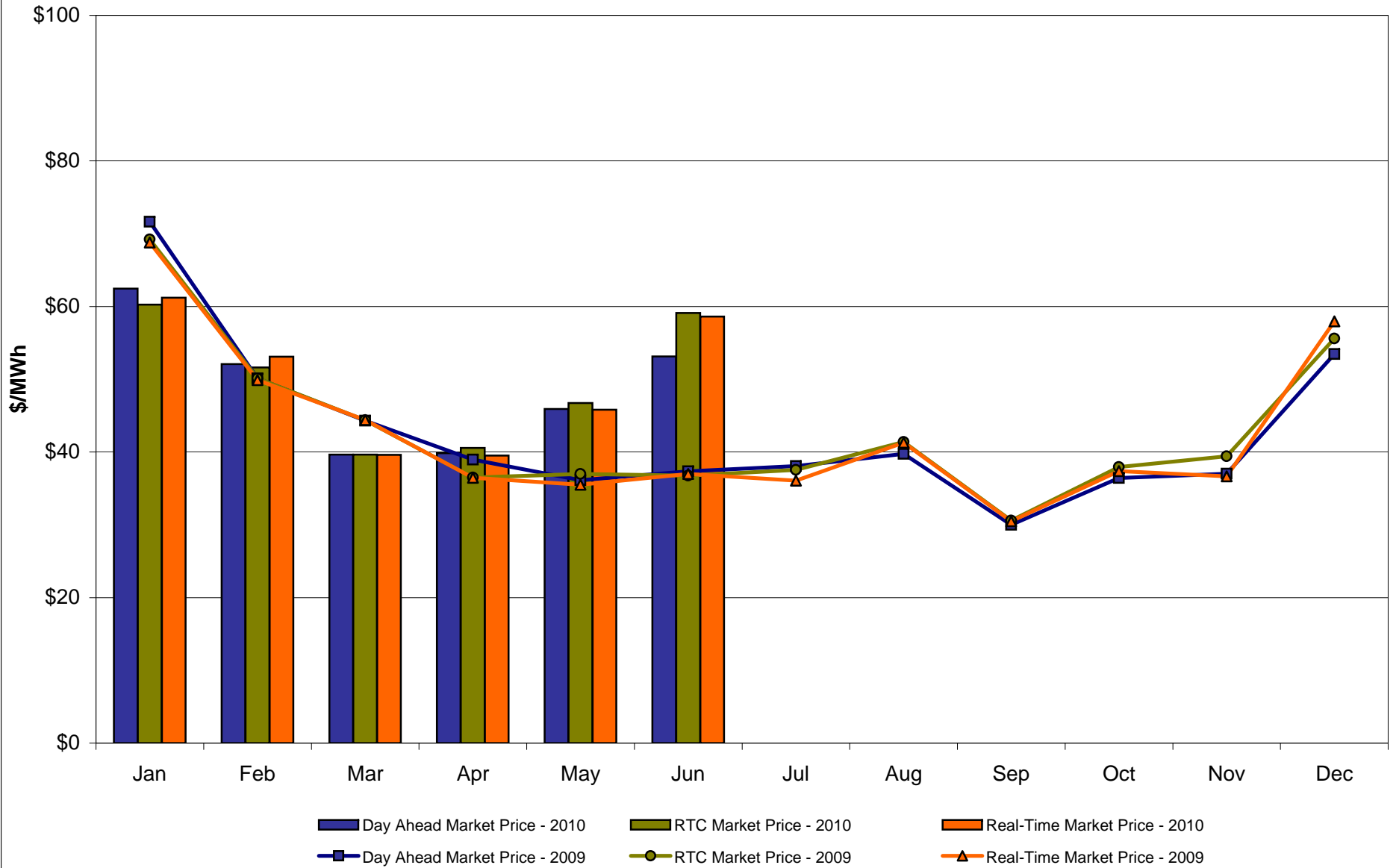
West Zone A Monthly Average LBMP Prices 2009 - 2010



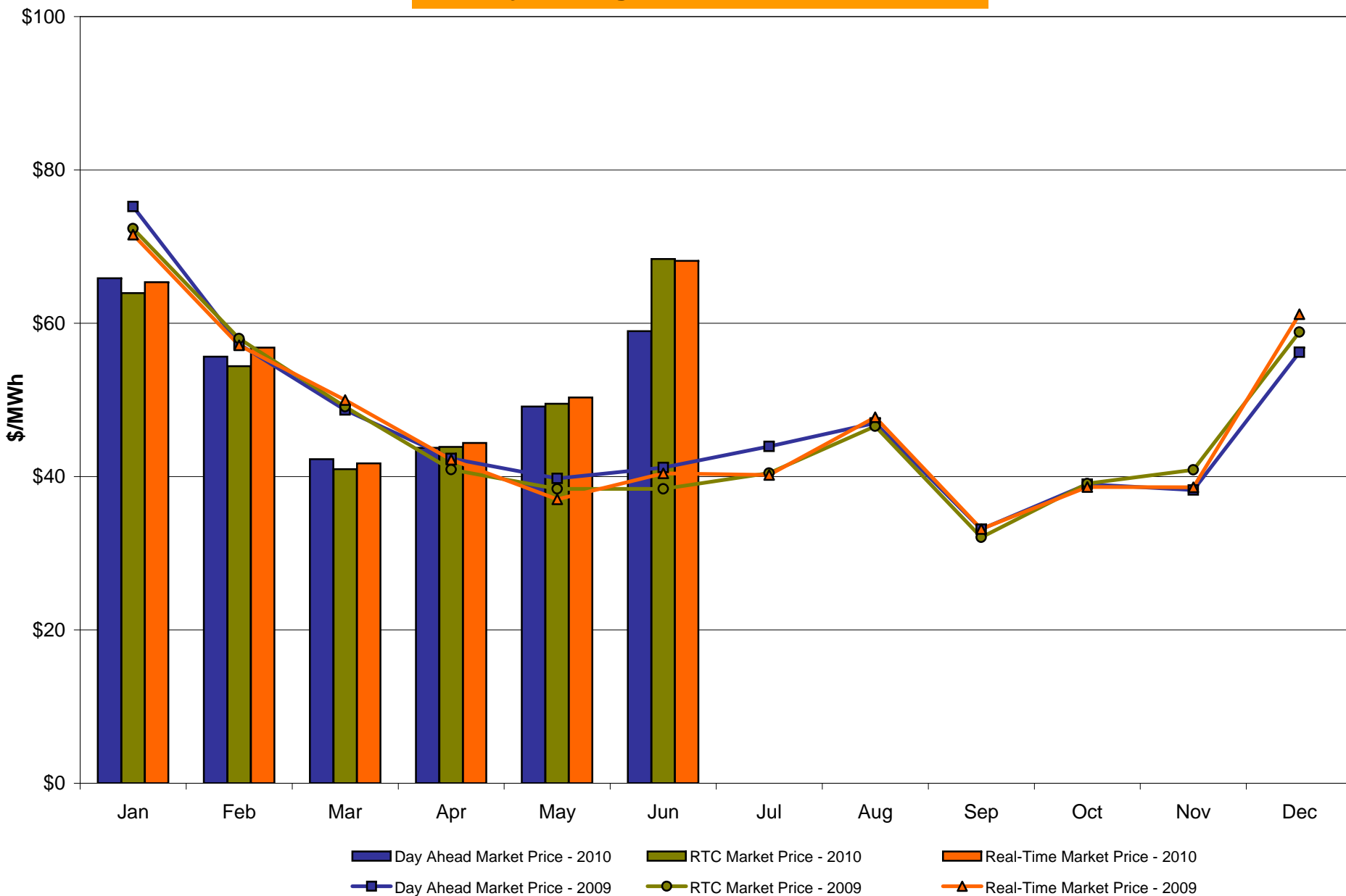
Capital Zone F Monthly Average LBMP Prices 2009 - 2010



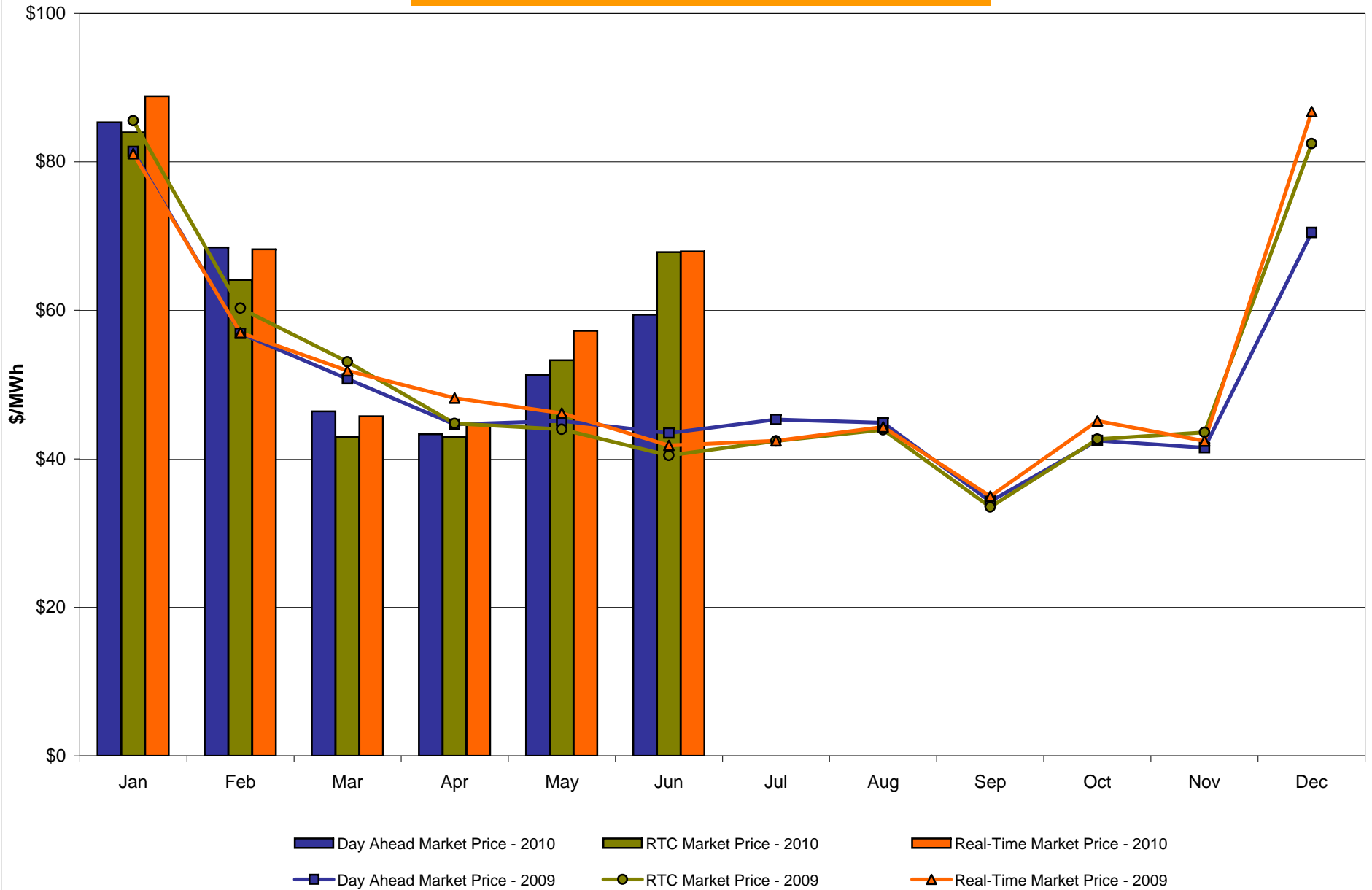
Hudson Valley Zone G Monthly Average LBMP Prices 2009 - 2010



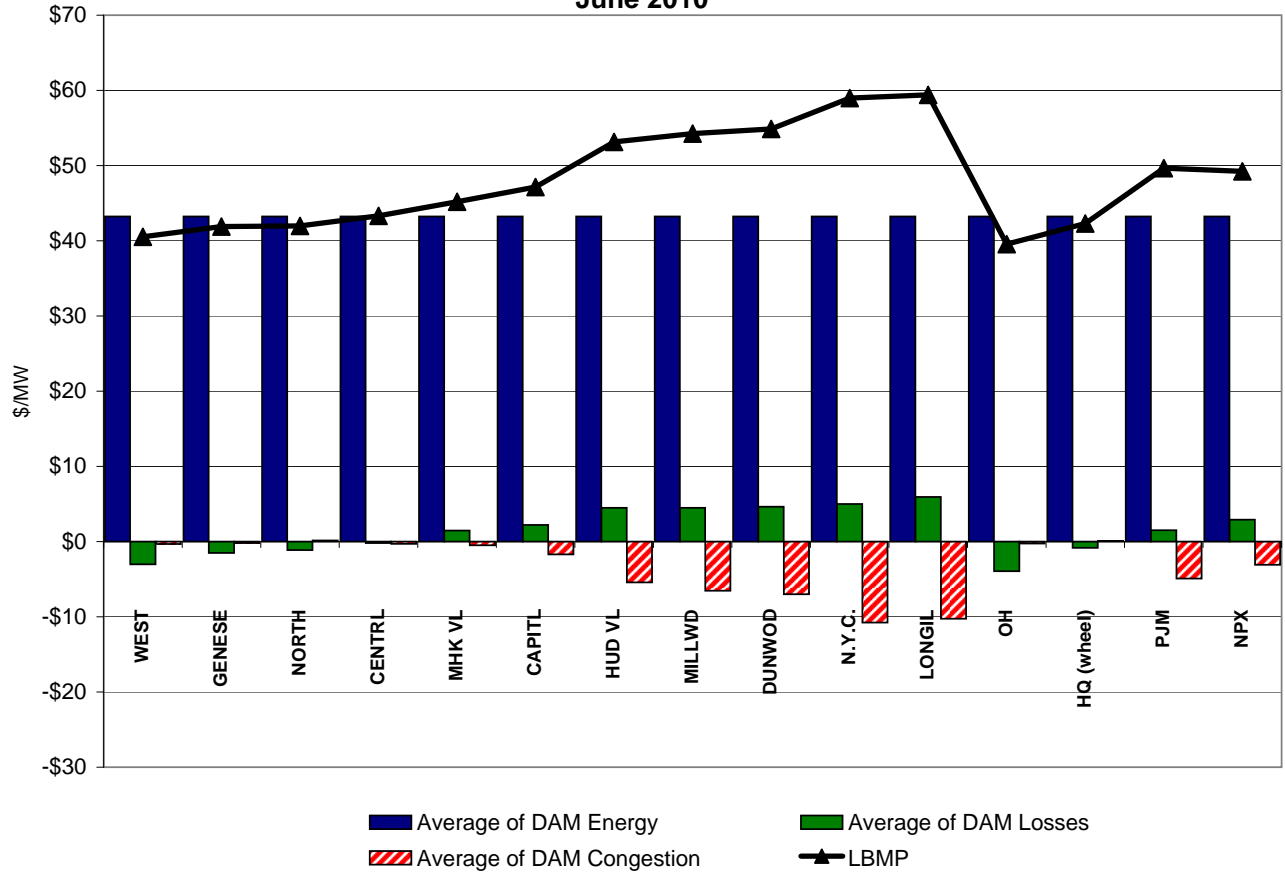
NYC Zone J Monthly Average LBMP Prices 2009 - 2010



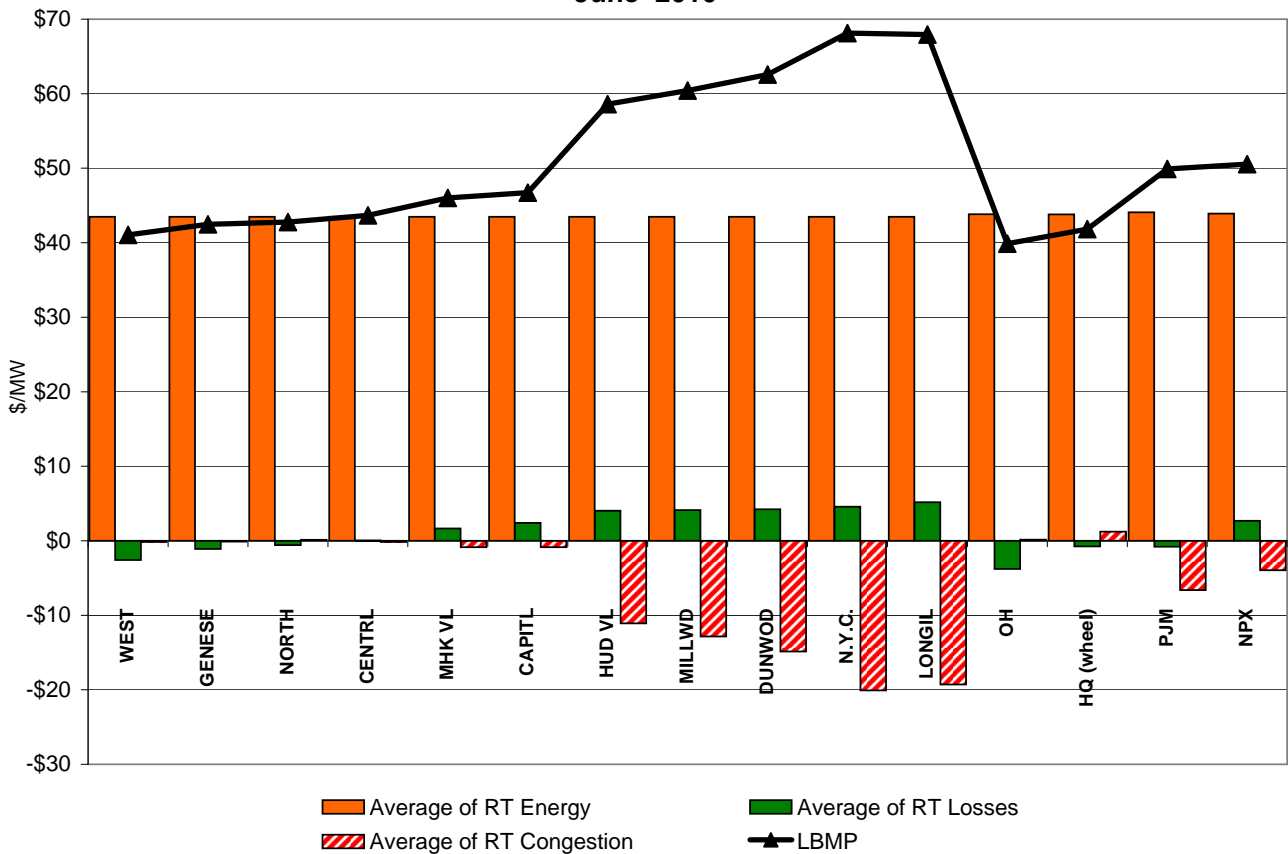
Long Island Zone K Monthly Average LBMP Prices 2009 - 2010



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

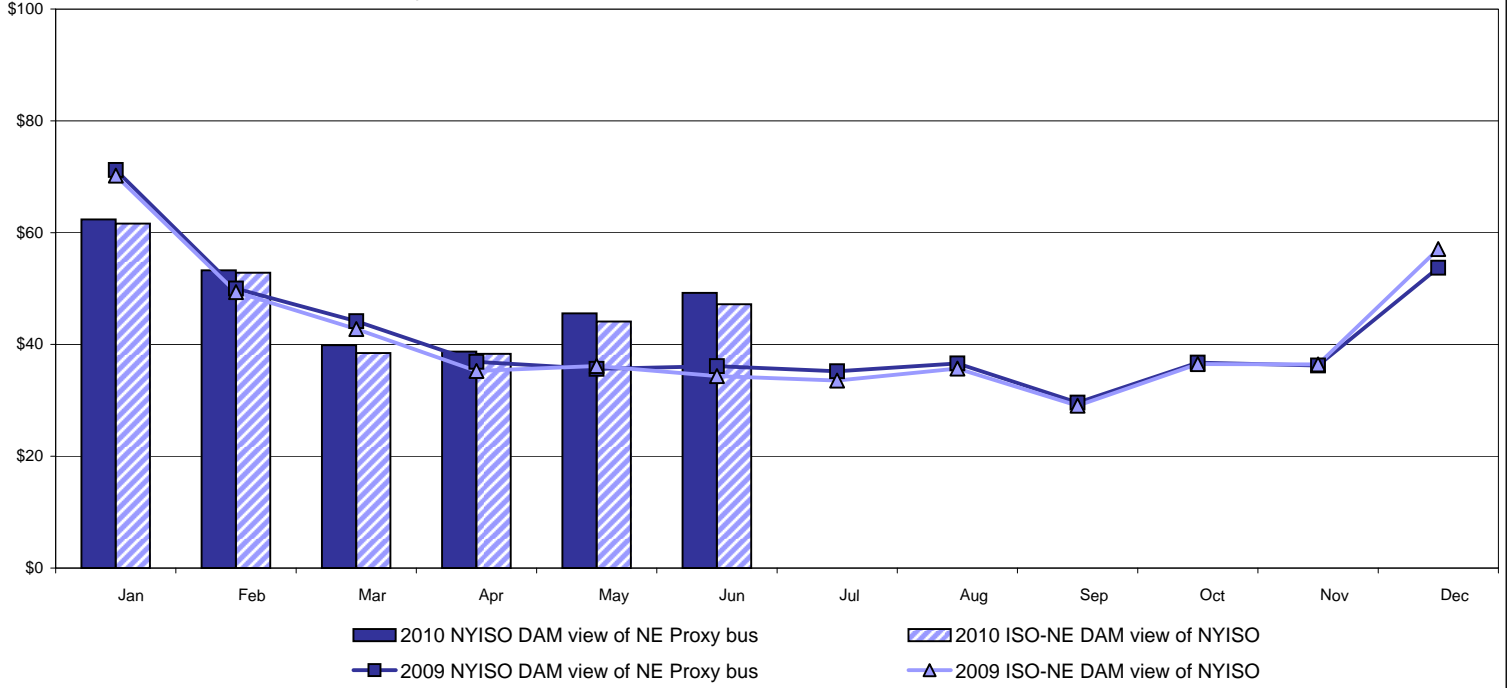


**RT Zonal Unweighted Monthly Average LBMP Components
June 2010**

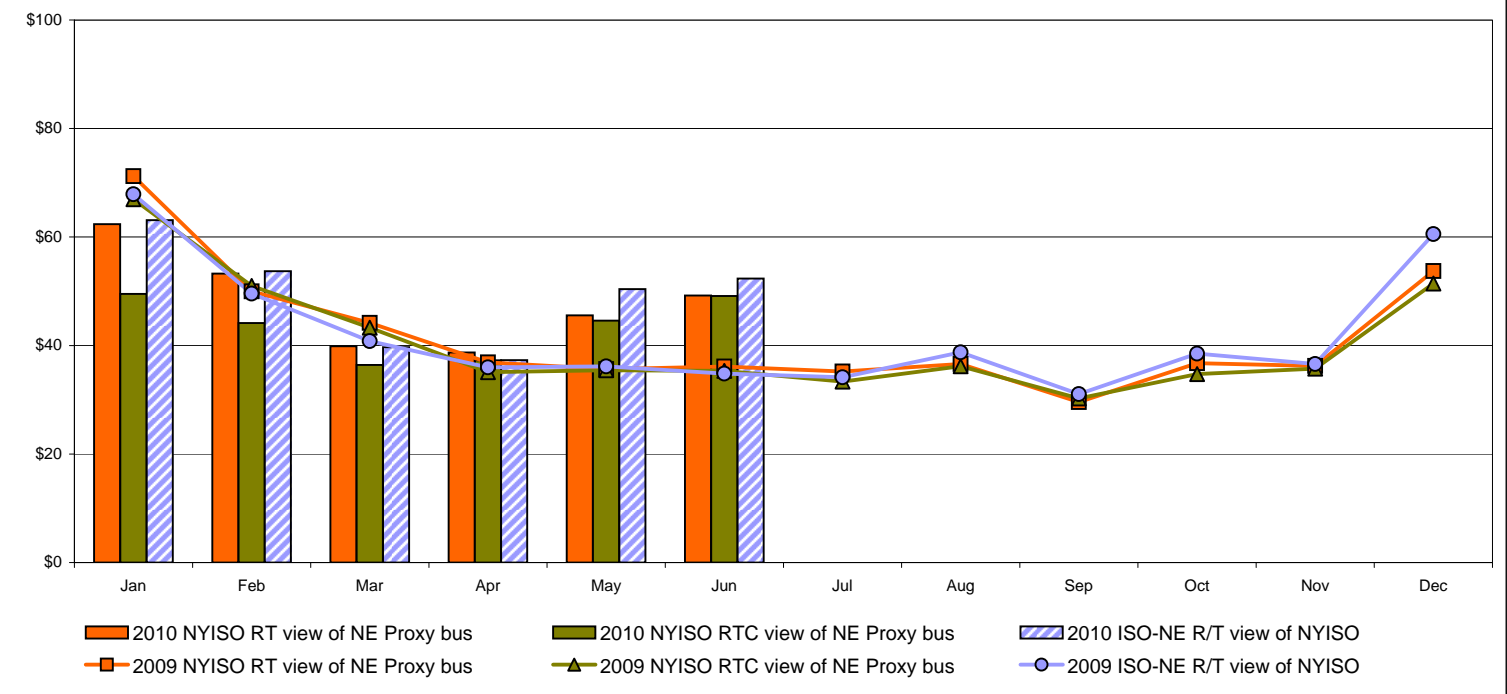


External Comparison ISO-New England

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

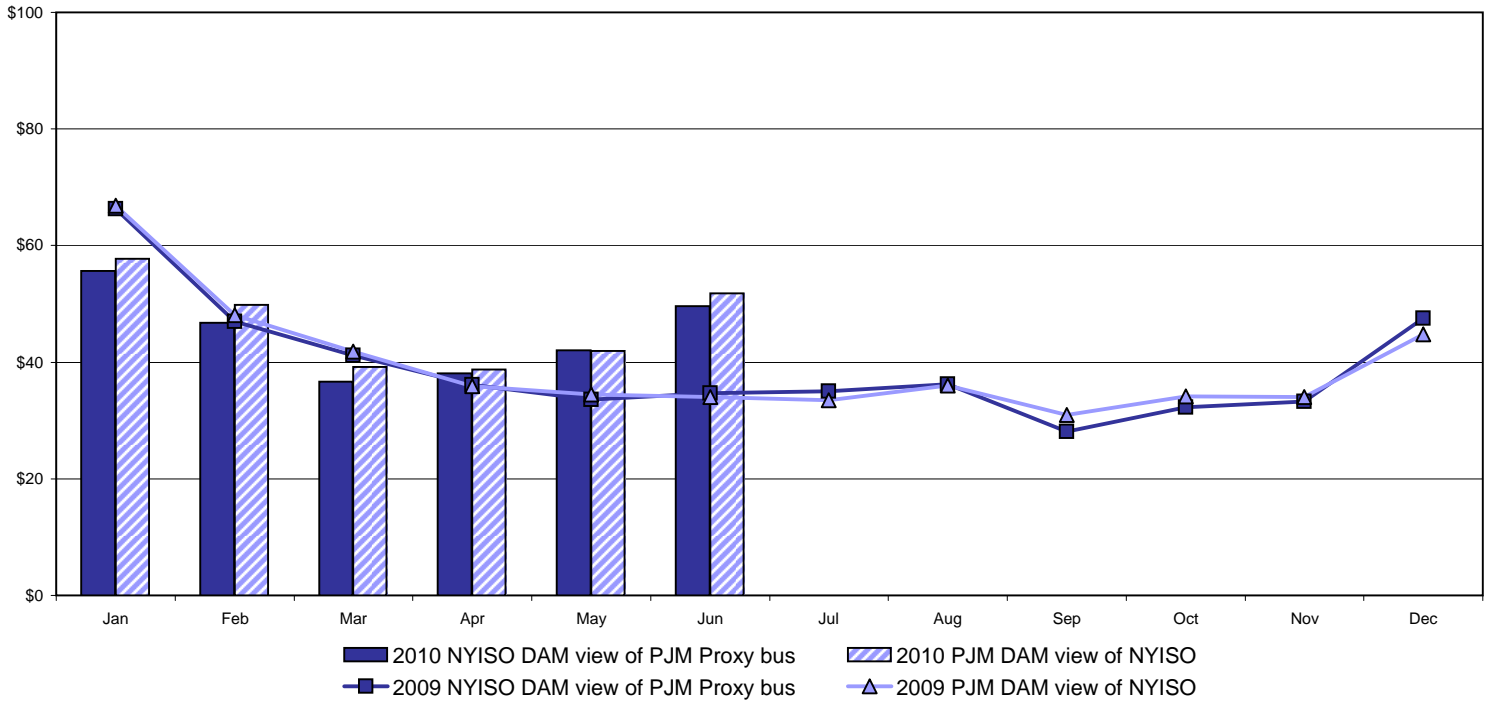


Real Time Market External Zone Comparison: ISO-NE (\$/MWh)

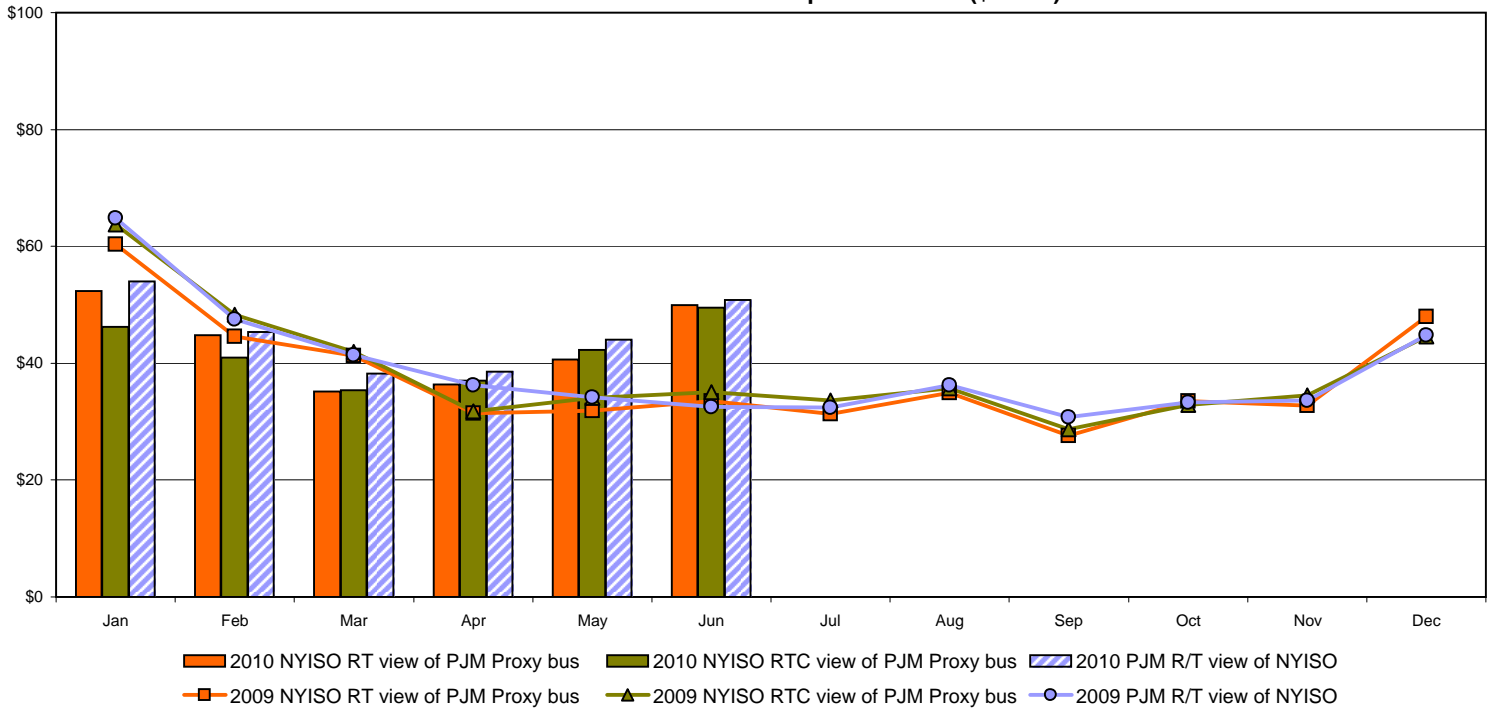


External Comparison PJM

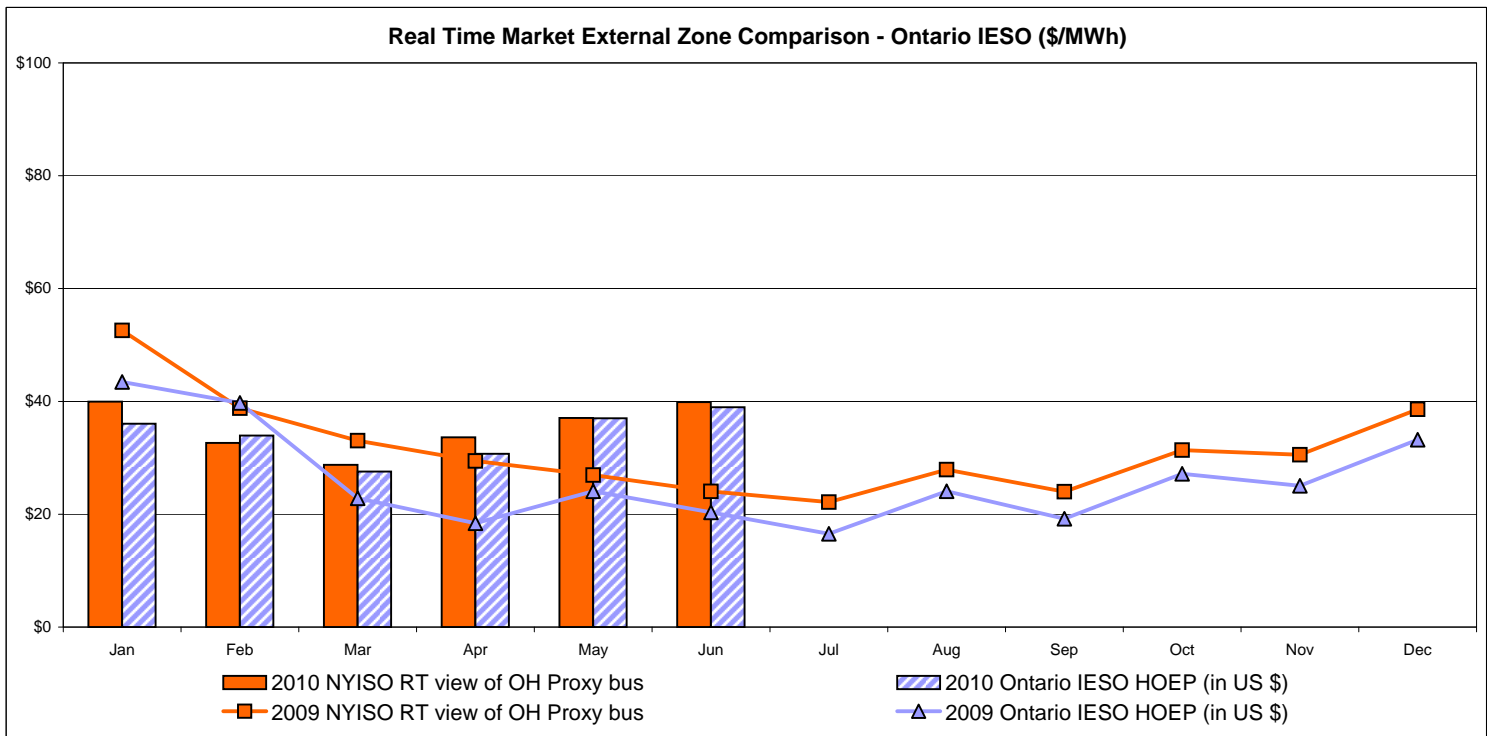
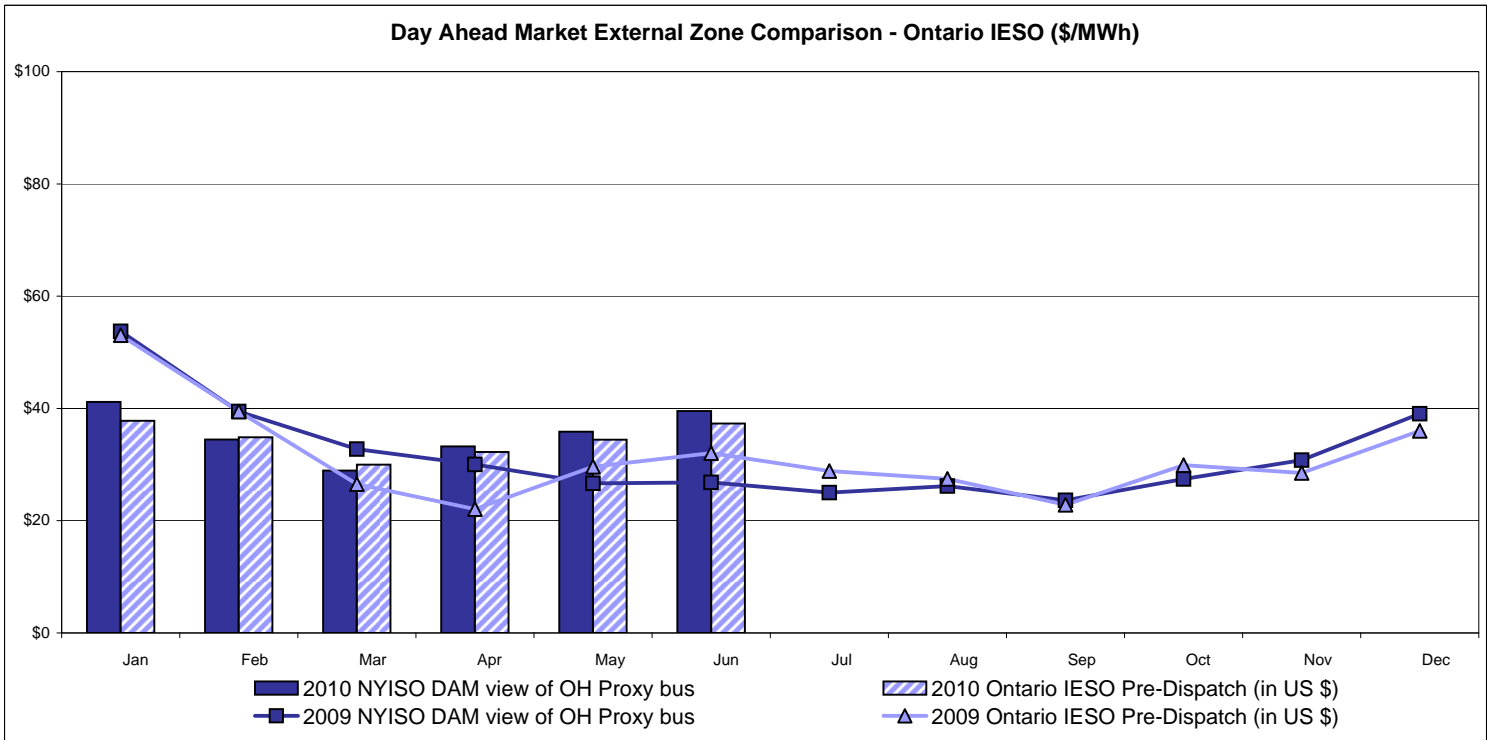
Day Ahead Market External Zone Comparison - PJM (\$/MWh)



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

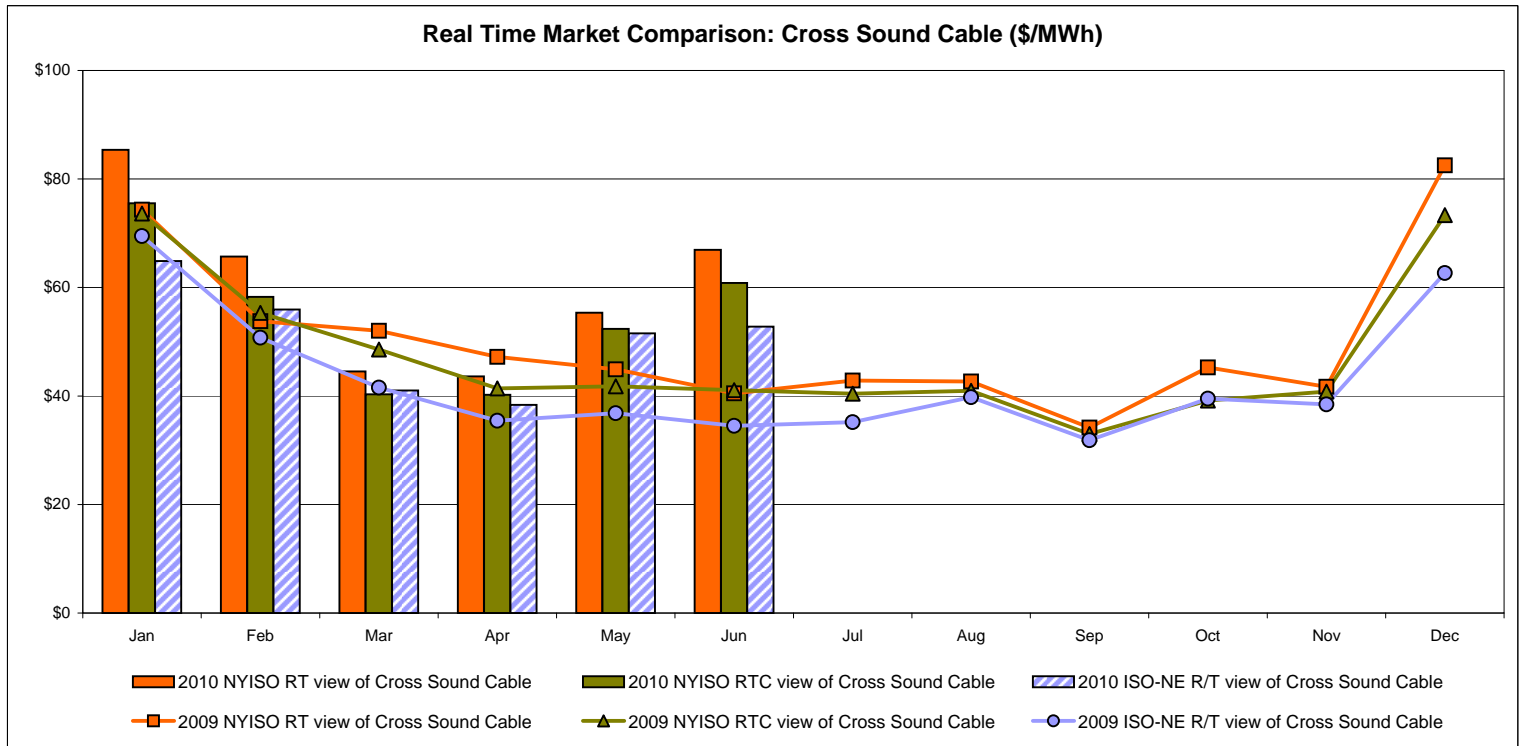
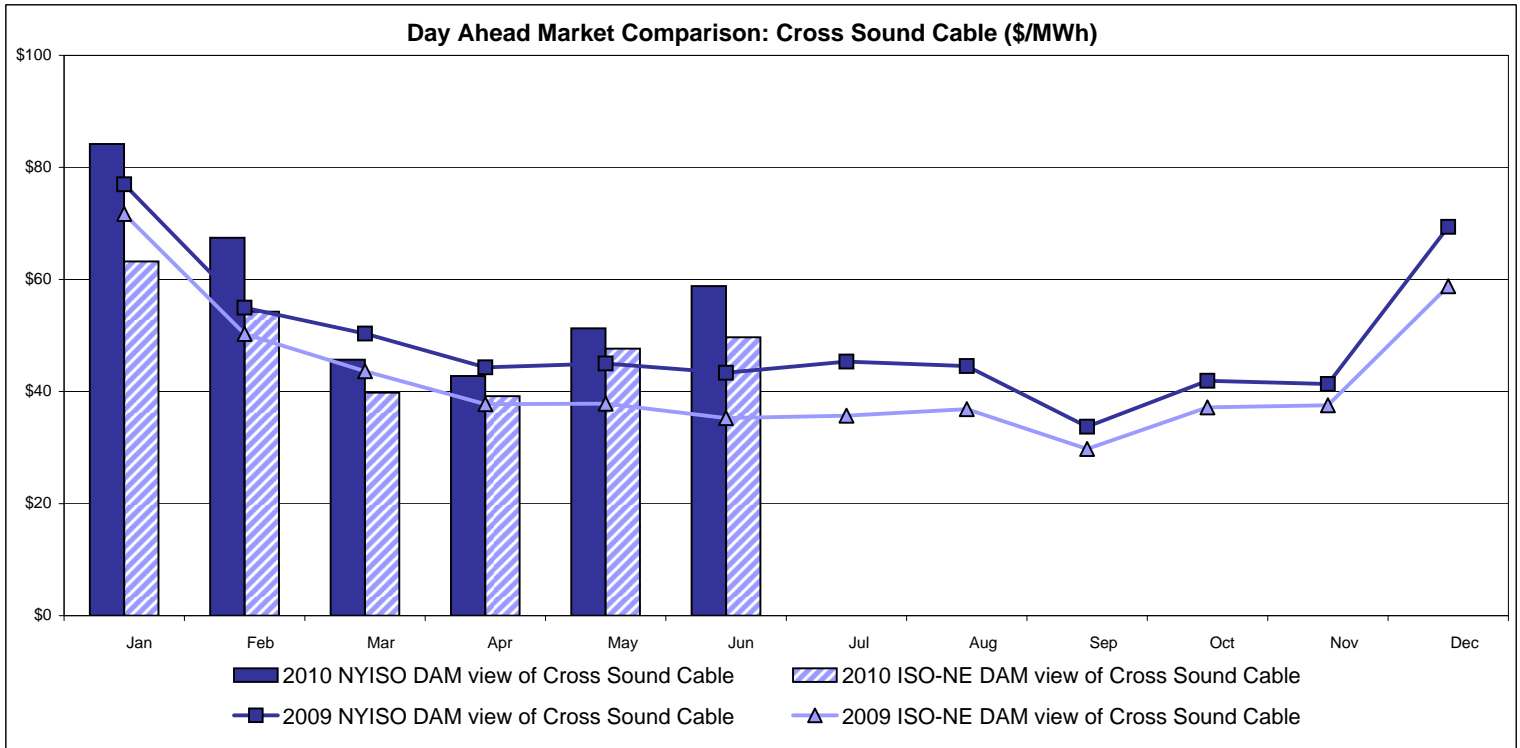


External Comparison Ontario IESO



Notes: Exchange factor used for June 2010 was 0.97 to US \$
 HOEP: Hourly Ontario Energy Price
 Pre-Dispatch: Projected Energy Price

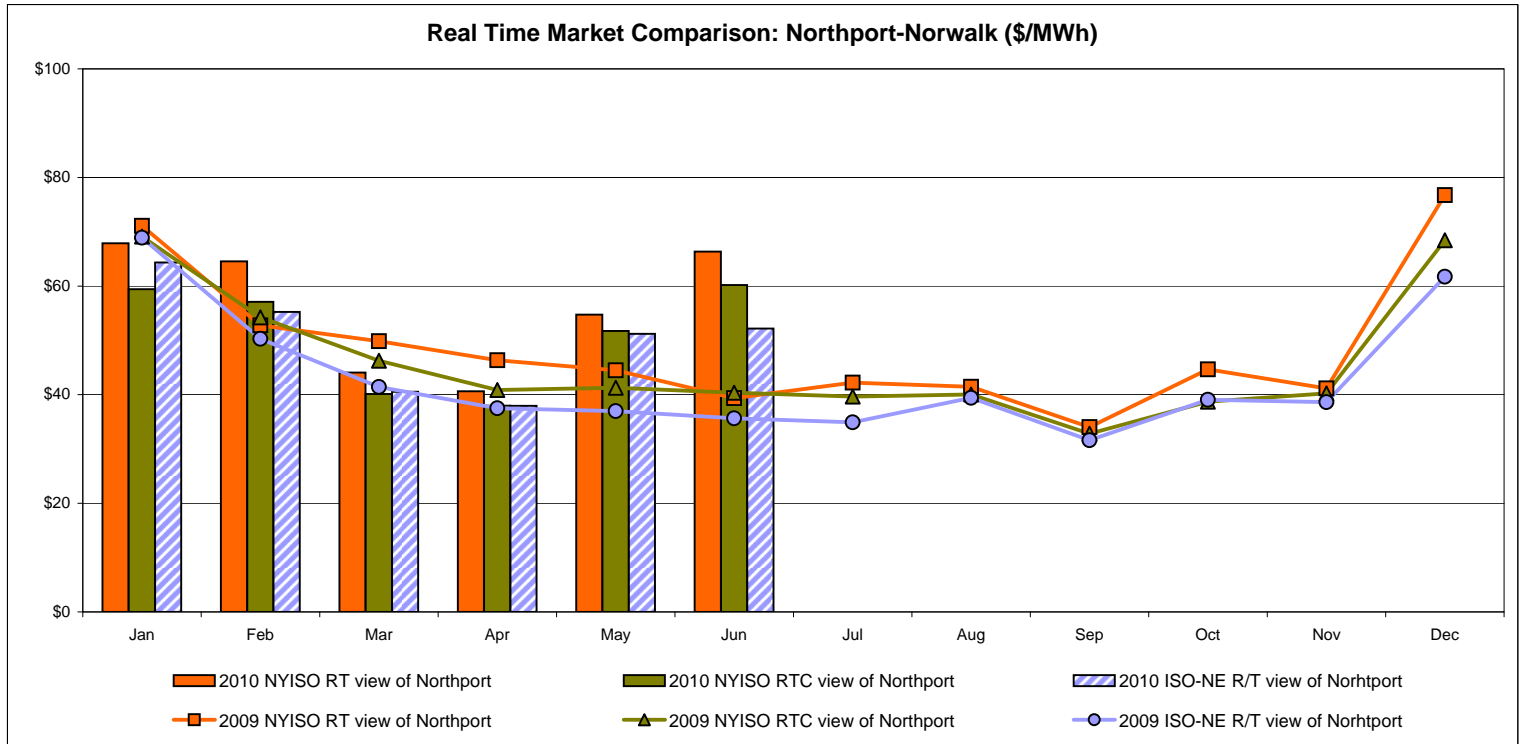
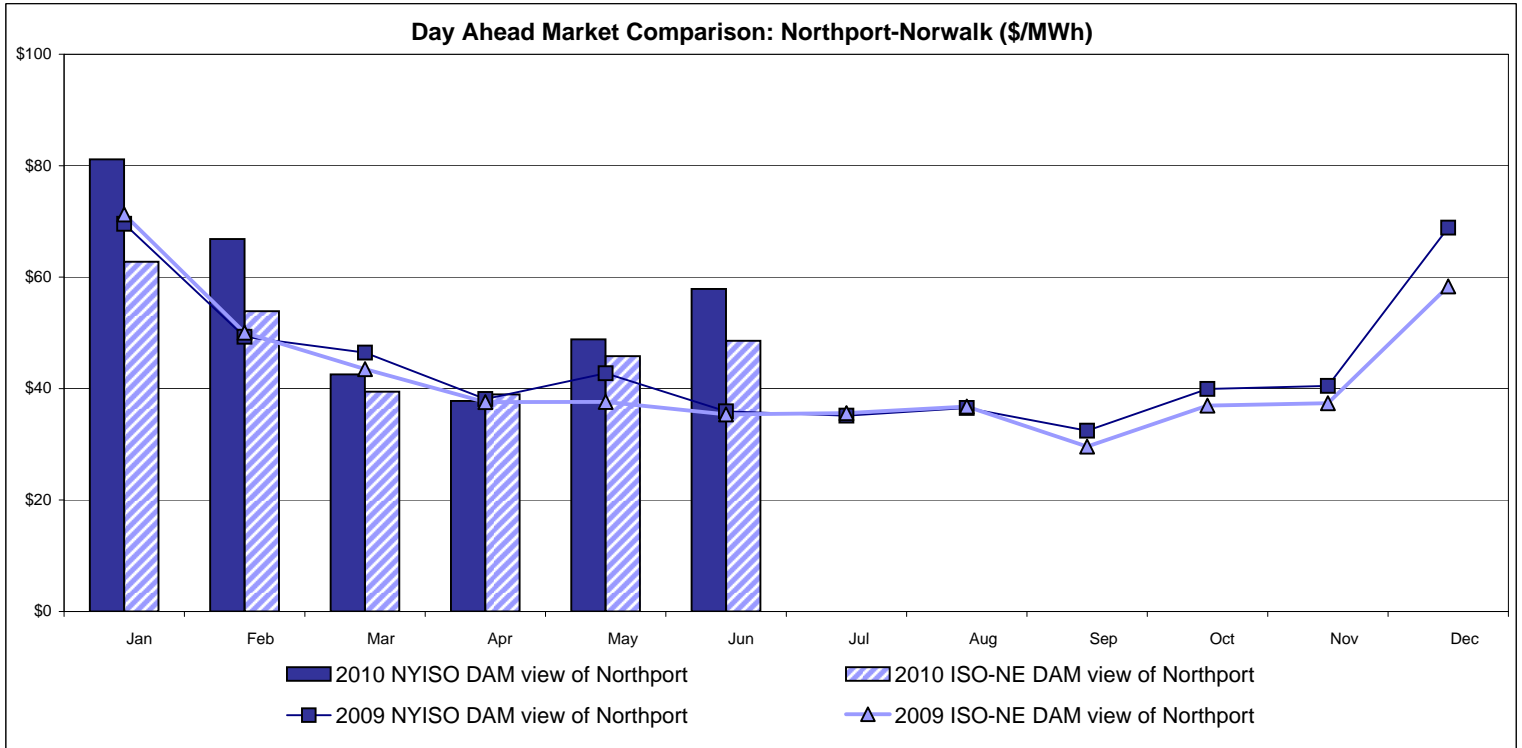
External Controllable Line: Cross Sound Cable (New England)



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.

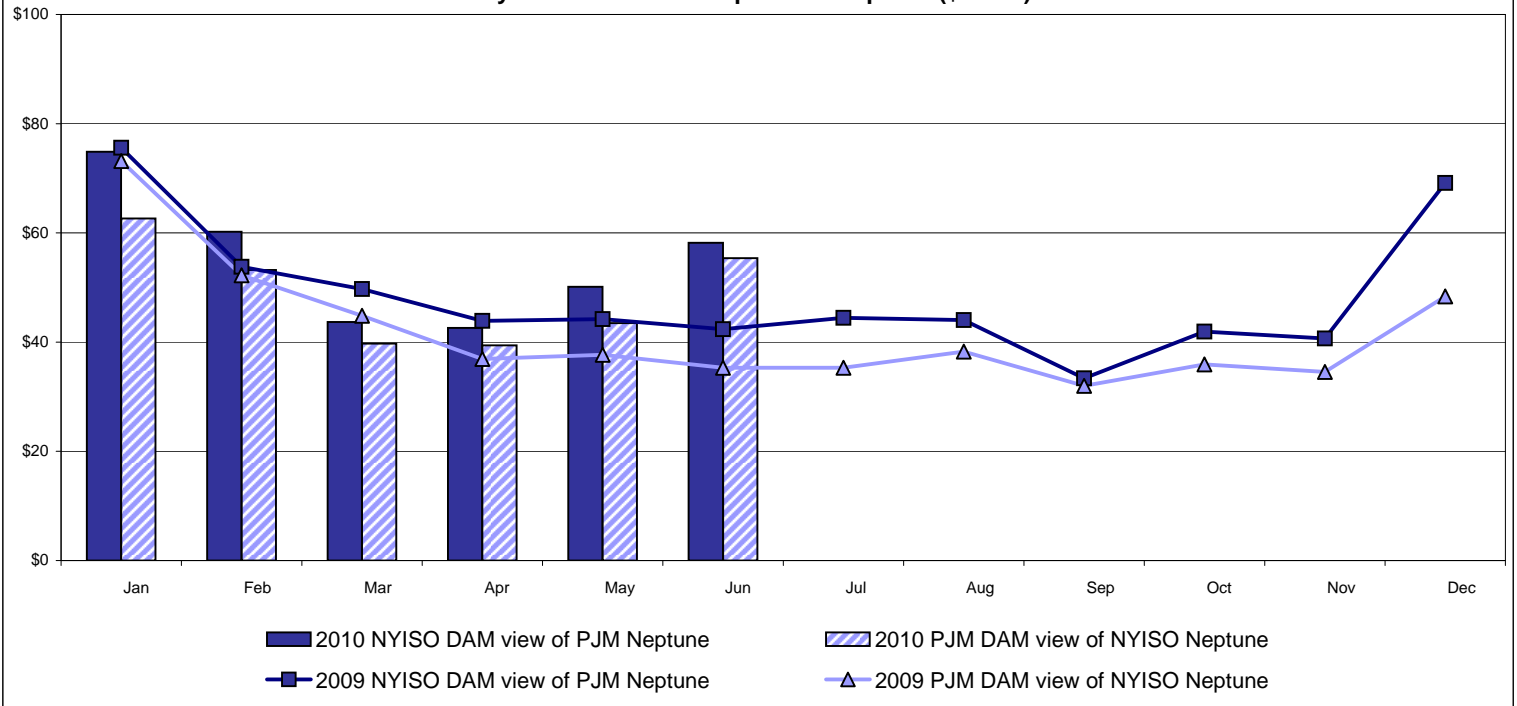
External Controllable Line: Northport - Norwalk (New England)



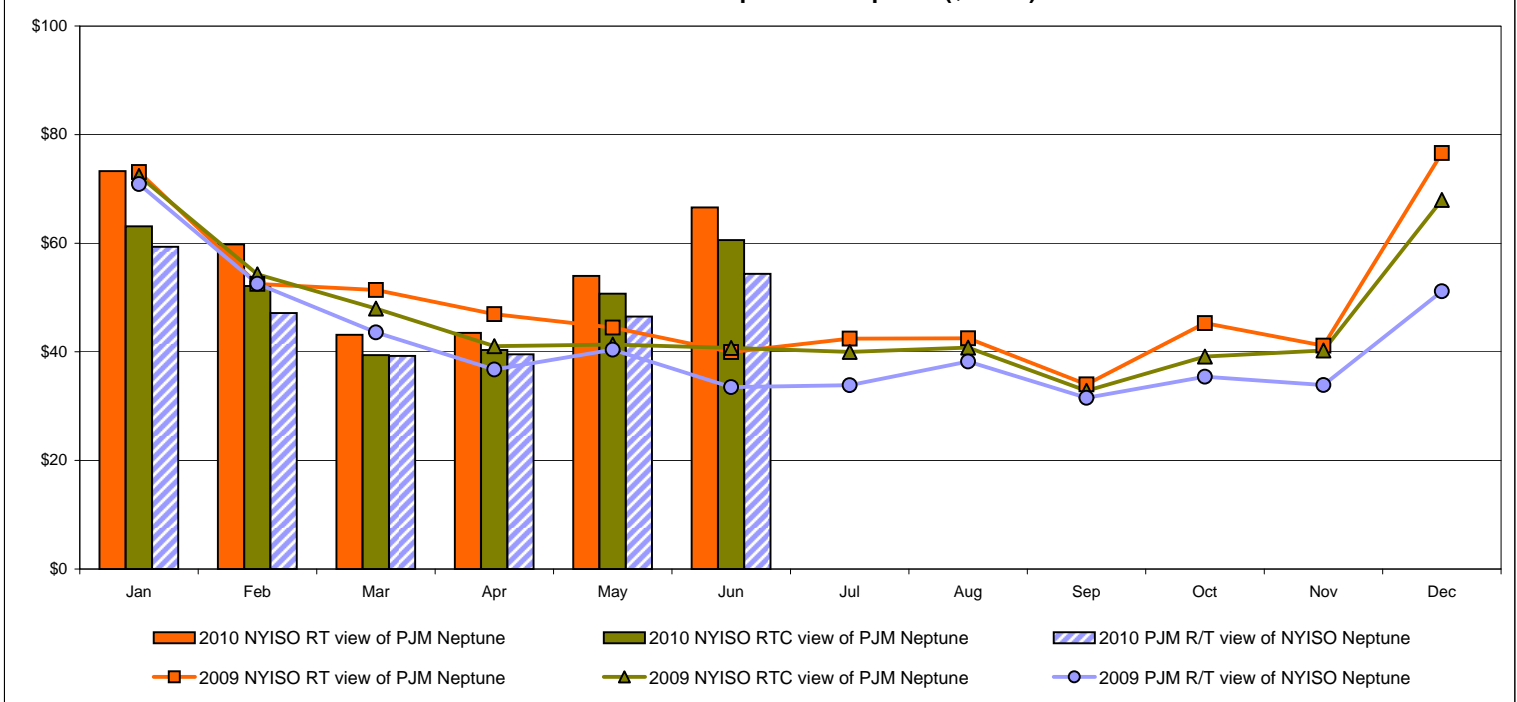
Note:
 ISO-NE Forecast is an advisory posting @ 18:00 day before.
 The DAM and R/T prices at the Northport 138 interface are used for ISO-NE.
 The DAM and R/T prices at the 1385 interface are used for NYISO.

External Controllable Line: Neptune (PJM)

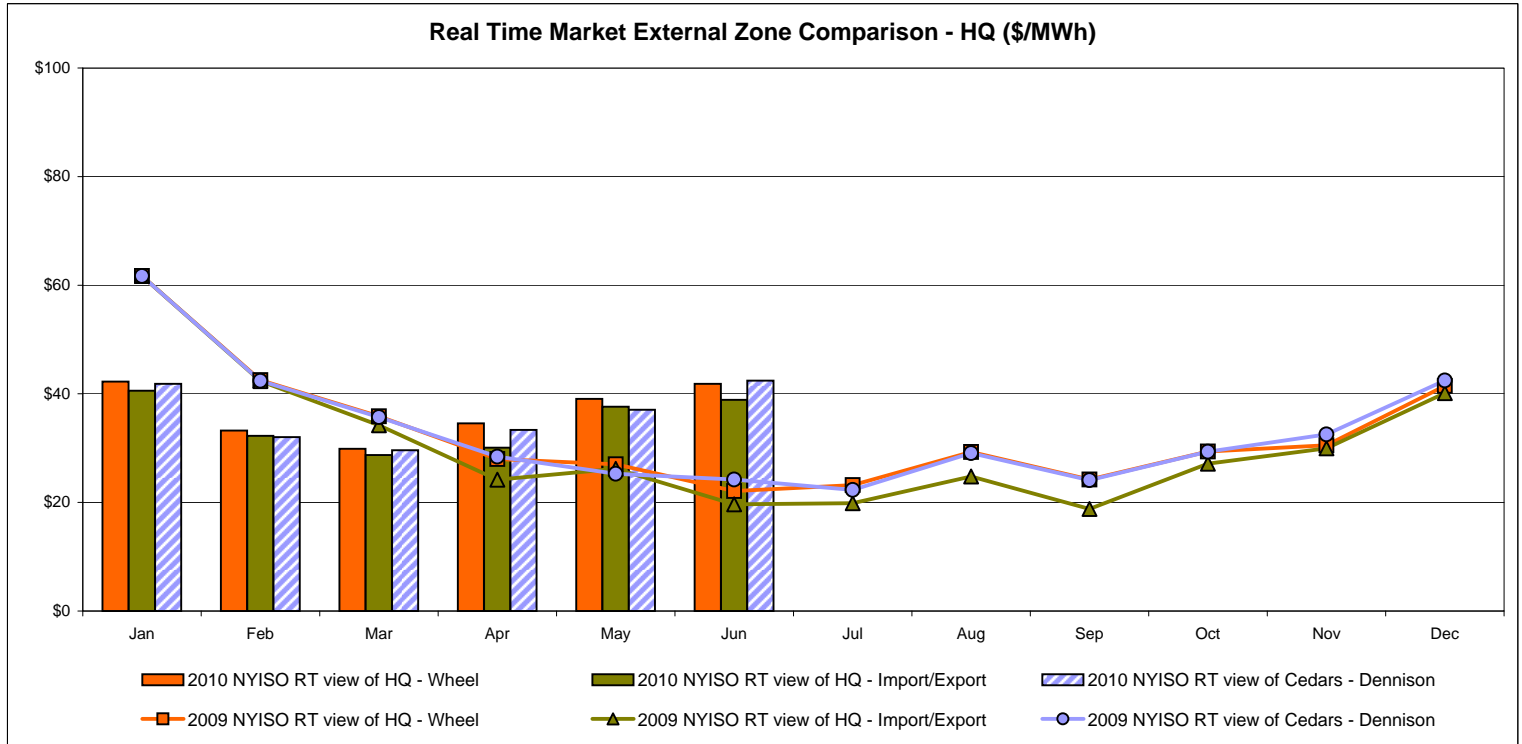
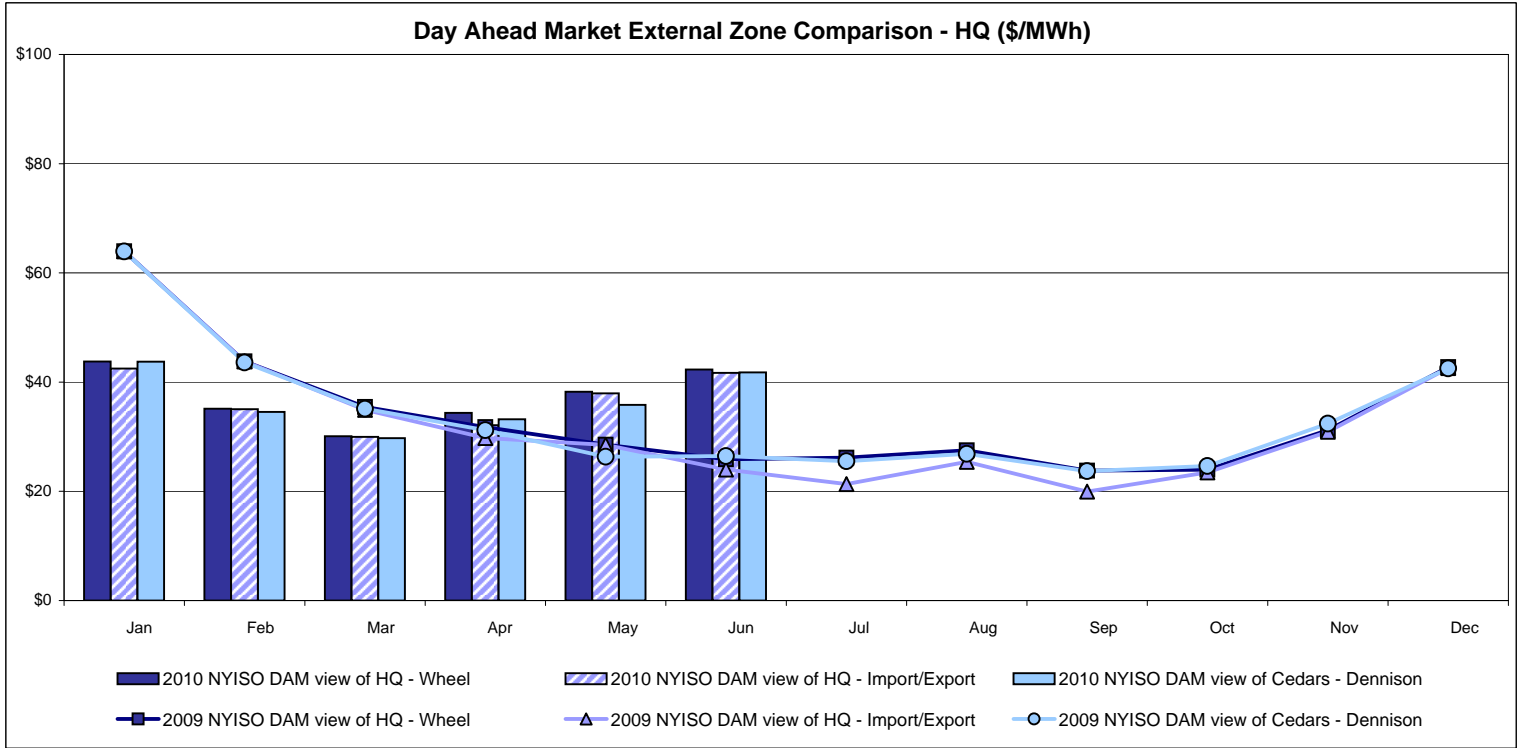
Day Ahead Market Comparison: Neptune (\$/MWh)



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



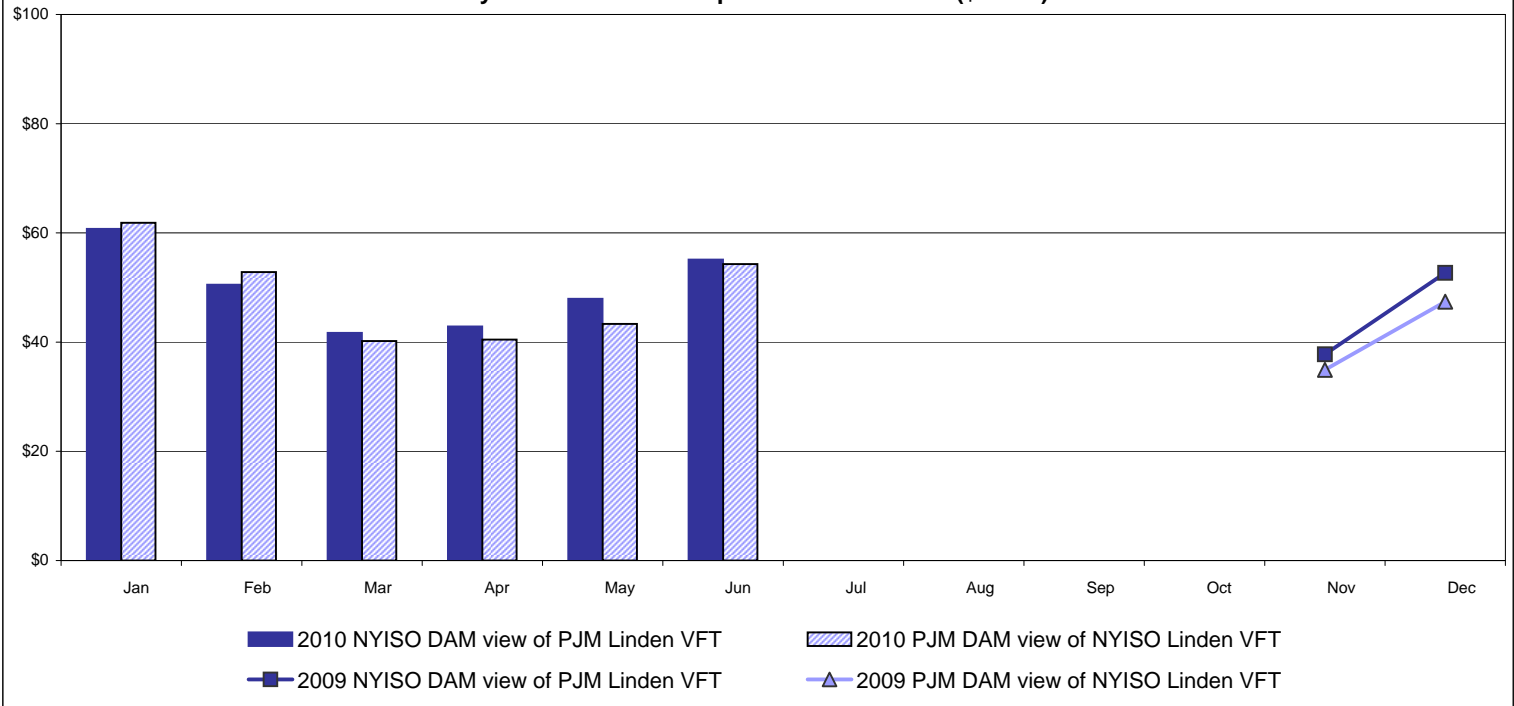
External Comparison Hydro-Quebec



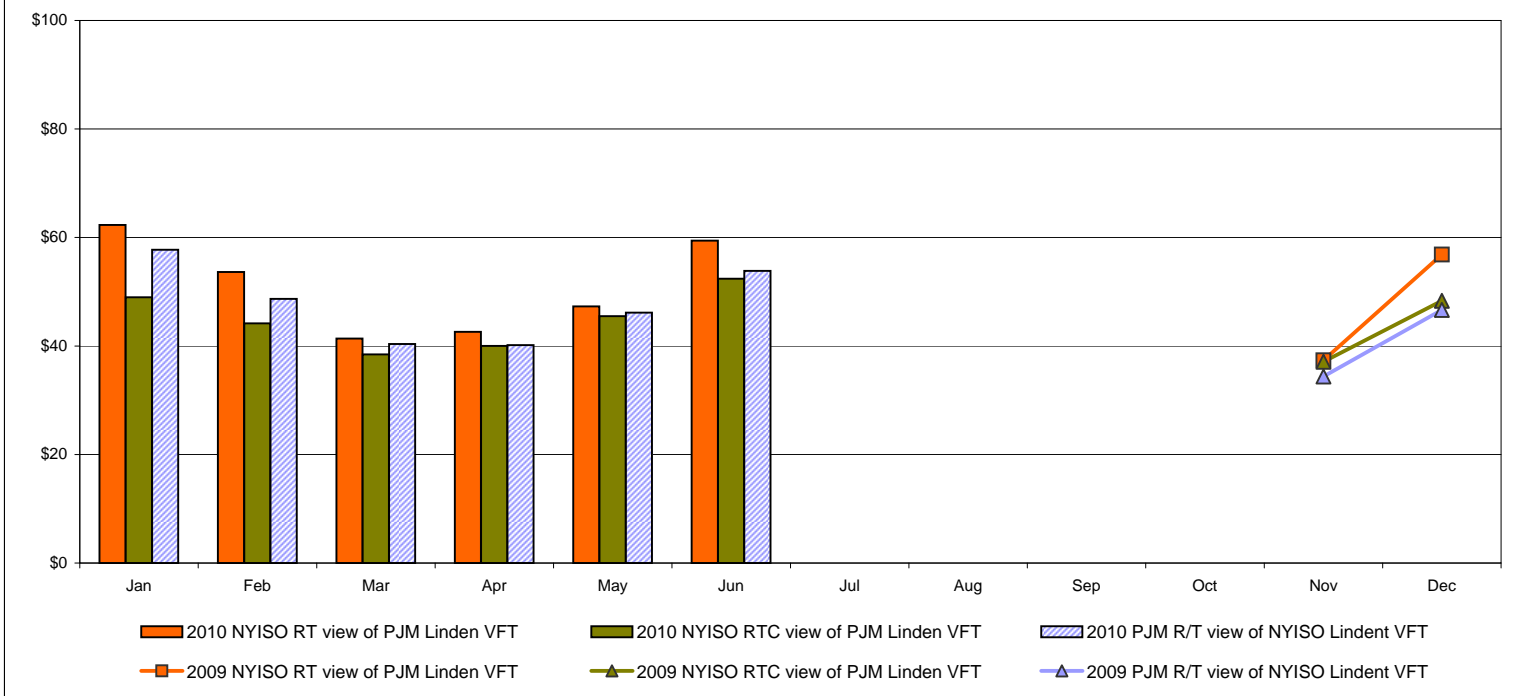
Note:
Hydro-Quebec Prices are unavailable.

External Controllable Line: Linden VFT (PJM)

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



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



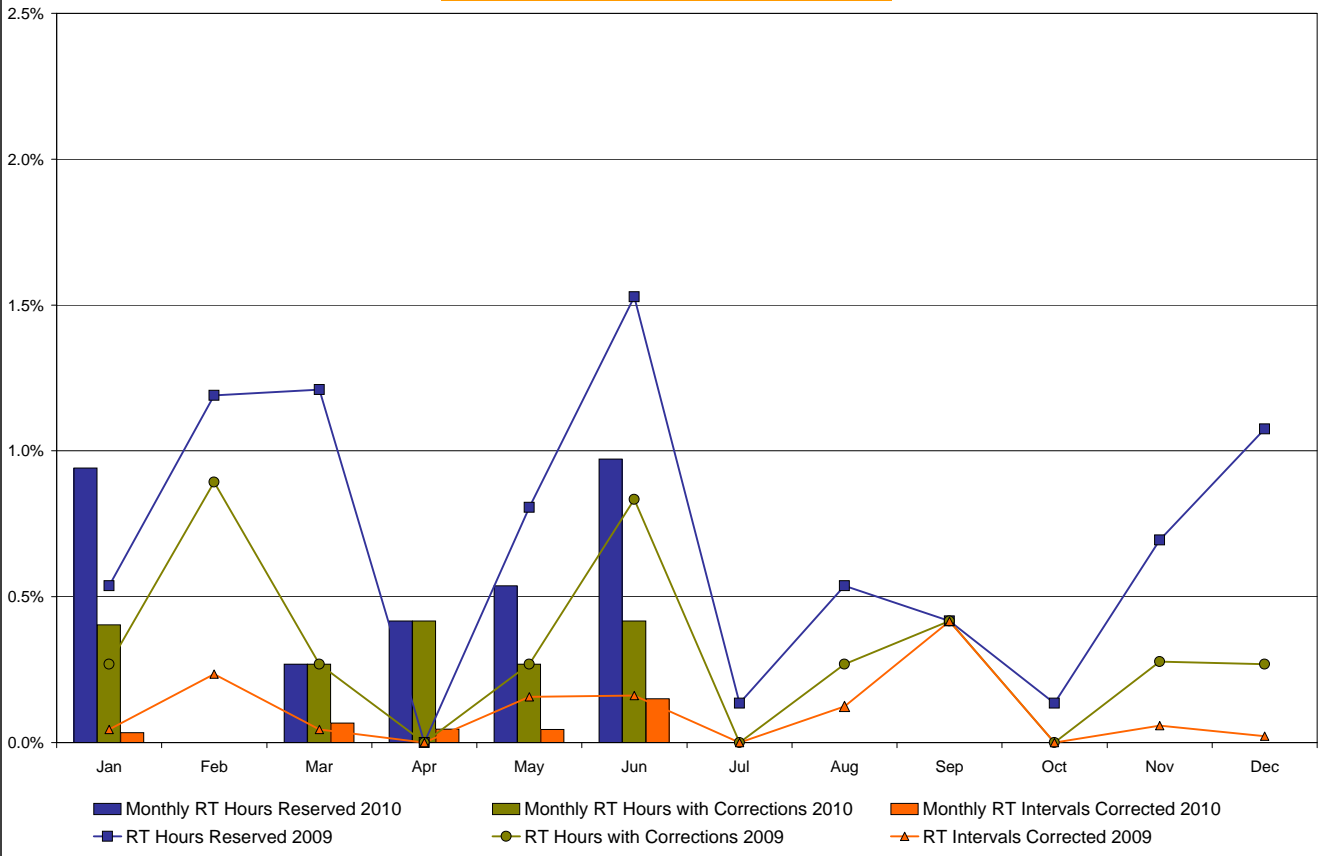
Note: Linden VFT Scheduled Line Data available beginning 11/1/2009.

NYISO Real Time Price Correction Statistics

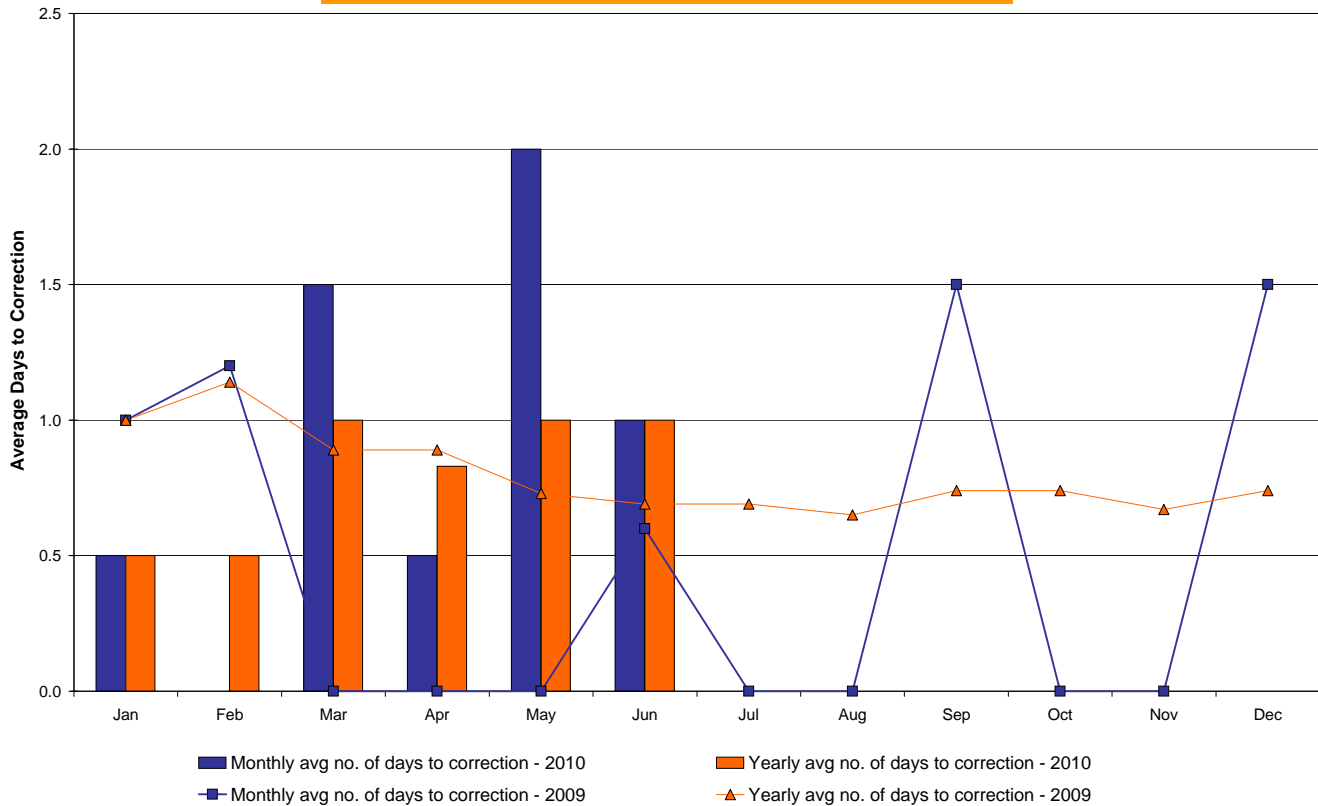
2010		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Hour Corrections													
Number of hours with corrections	in the month	3	0	2	3	2	3						
Number of hours	in the month	744	672	744	720	744	720						
% of hours with corrections	in the month	0.40%	0.00%	0.27%	0.42%	0.27%	0.42%						
% of hours with corrections	year-to-date	0.40%	0.21%	0.23%	0.28%	0.28%	0.30%						
Interval Corrections													
Number of intervals corrected	in the month	3	0	6	4	4	13						
Number of intervals	in the month	8,934	8,057	8,913	8,640	8,946	8,660						
% of intervals corrected	in the month	0.03%	0.00%	0.07%	0.05%	0.04%	0.15%						
% of intervals corrected	year-to-date	0.03%	0.02%	0.03%	0.04%	0.04%	0.06%						
Hours Reserved													
Number of hours reserved	in the month	7	0	2	3	4	7						
Number of hours	in the month	744	672	744	720	744	720						
% of hours reserved	in the month	0.94%	0.00%	0.27%	0.42%	0.54%	0.97%						
% of hours reserved	year-to-date	0.94%	0.49%	0.42%	0.42%	0.44%	0.53%						
Days to Correction *													
Avg. number of days to correction	in the month	0.50	0.00	1.50	0.50	2.00	1.00						
Avg. number of days to correction	year-to-date	0.50	0.50	1.00	0.83	1.00	1.00						
Days Without Corrections													
Days without corrections	in the month	29	28	29	28	30	28						
Days without corrections	year-to-date	29	57	86	114	144	172						
2009		<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>
Hour Corrections													
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%
Interval Corrections													
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%
Hours Reserved													
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%
Days to Correction *													
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
Days Without Corrections													
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

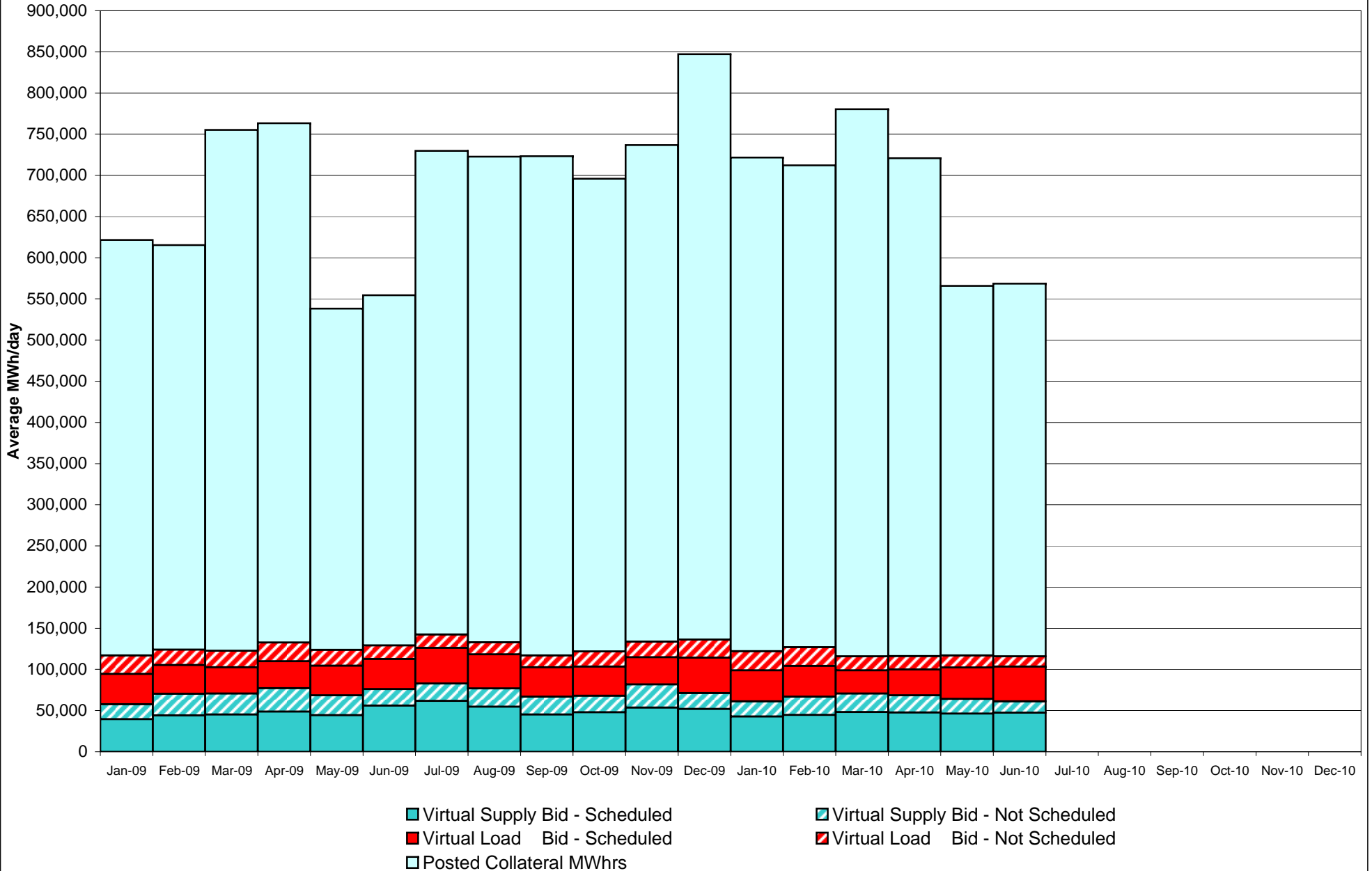


Annual average time period for making Price Corrections (from reservation date) *

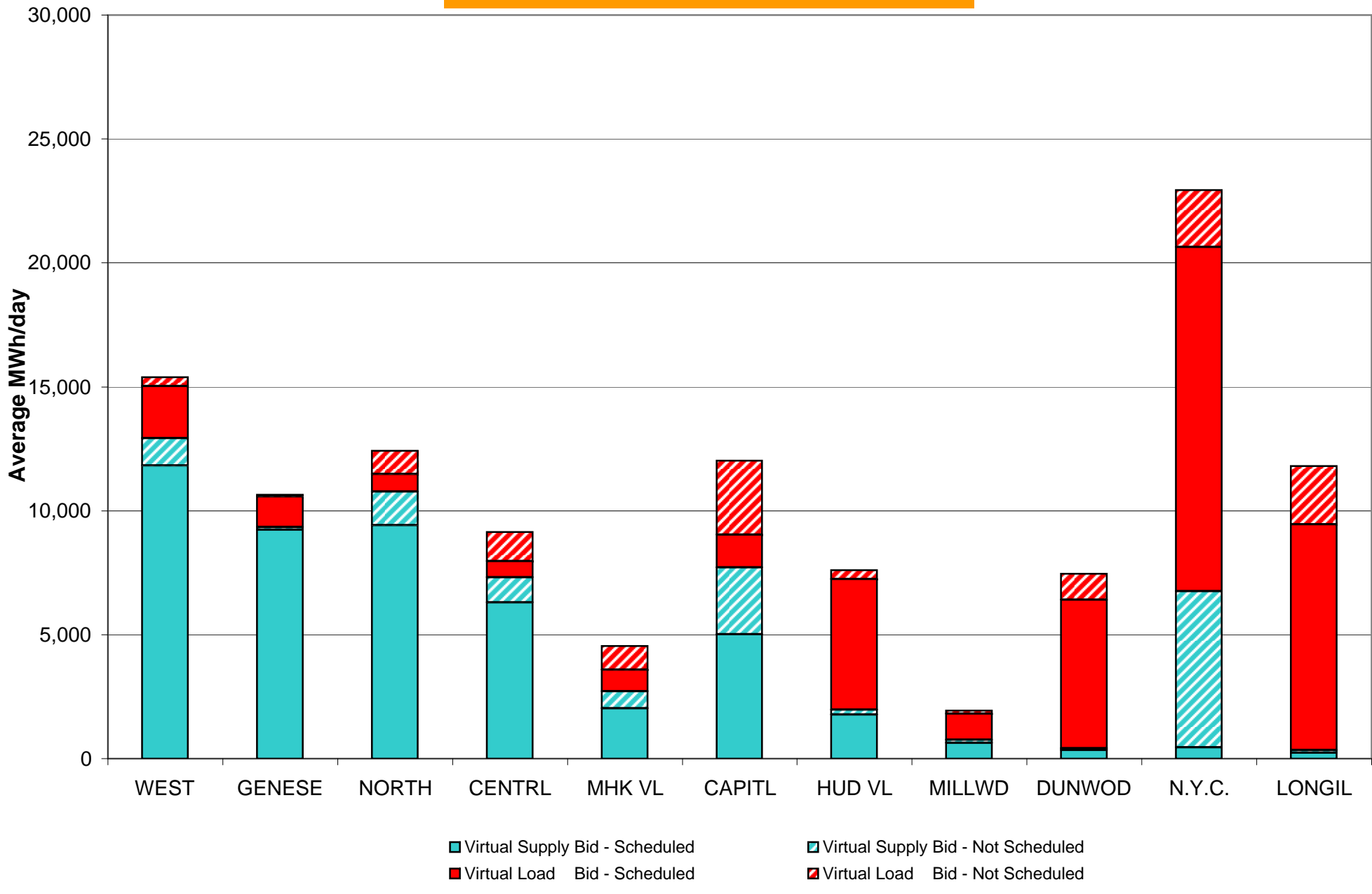


* Calendar days from reservation date.

**NYISO Virtual Trading
Average MWh per day**



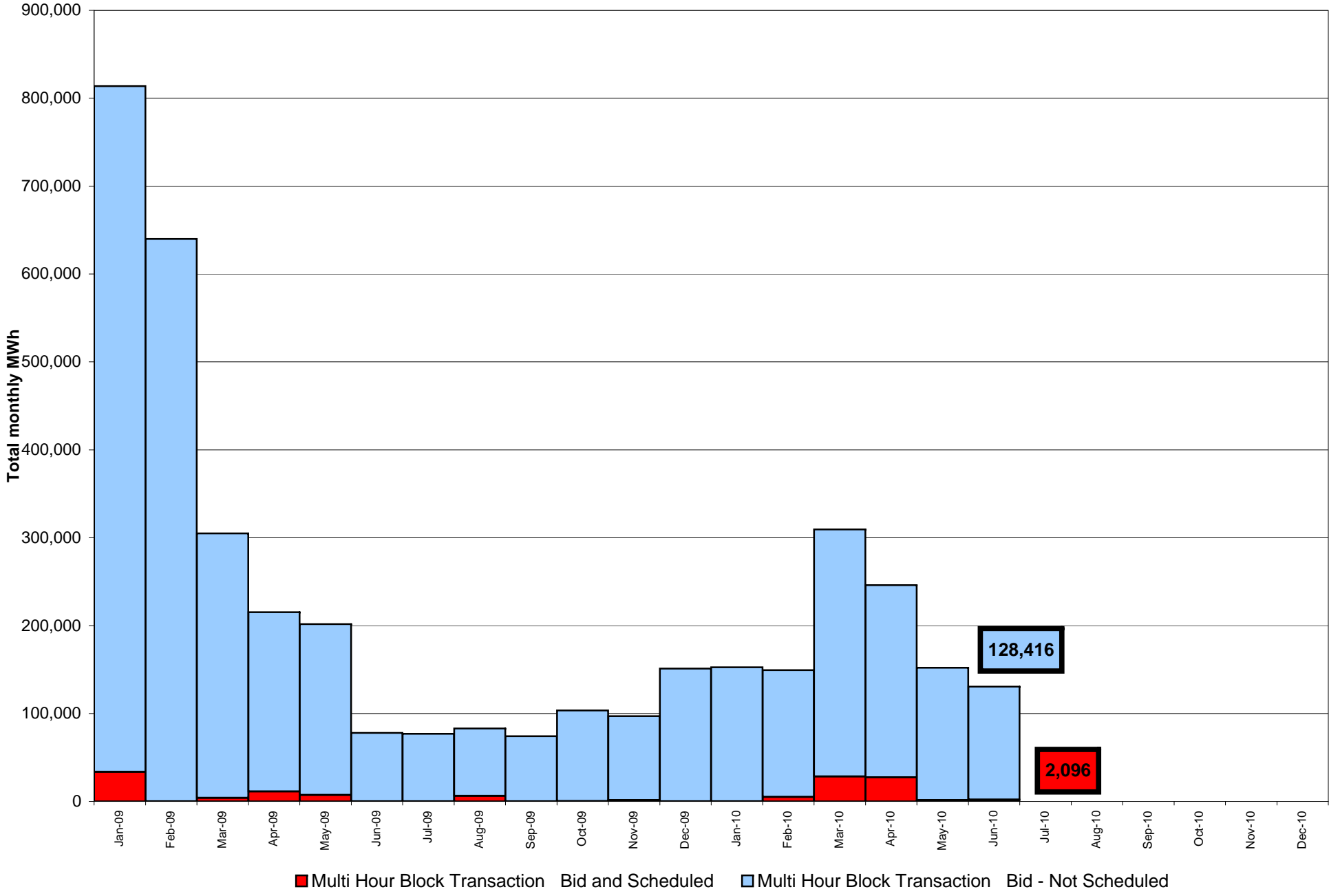
Virtual Load and Supply Zonal Statistics through June 30, 2010



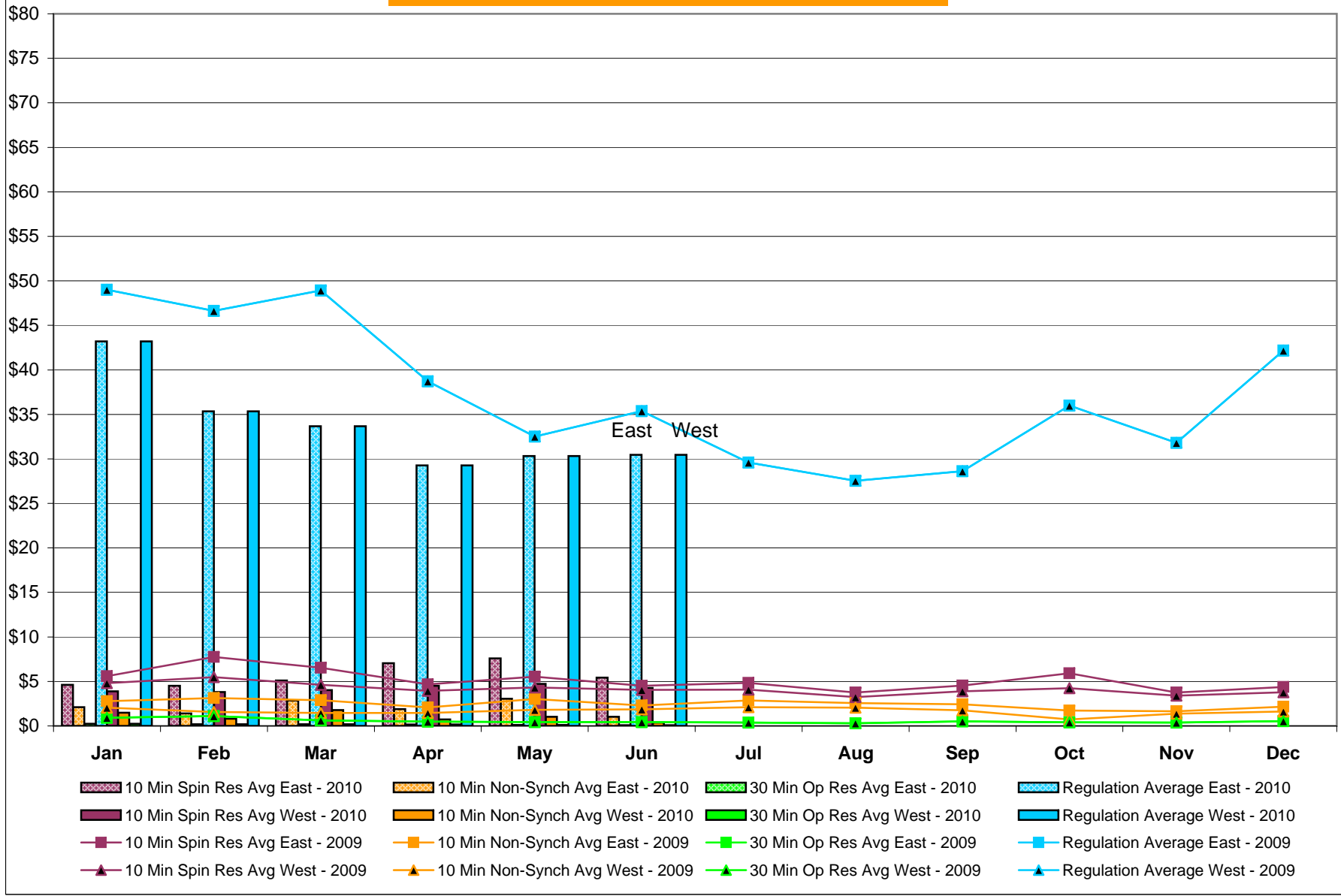
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2010

		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
WEST	Jan-10	2,369	639	7,053	1,096	MHK VL	Jan-10	566	1,360	1,944	1,812	DUNWOD	Jan-10	1,366	715	1,007	493
	Feb-10	1,782	1,503	5,731	2,602		Feb-10	900	1,327	1,812	1,507		Feb-10	1,229	852	615	463
	Mar-10	1,878	500	7,531	2,586		Mar-10	2,071	1,405	1,835	1,399		Mar-10	778	691	818	372
	Apr-10	4,158	430	9,060	1,963		Apr-10	1,389	1,264	2,449	1,195		Apr-10	550	537	680	383
	May-10	1,877	747	11,295	2,086		May-10	895	1,207	1,941	976		May-10	3,050	580	429	293
	Jun-10	2,097	377	11,824	1,098		Jun-10	868	965	2,026	691		Jun-10	5,995	1,048	341	78
	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				
GENESE	Jan-10	1,307	507	6,615	438	CAPITL	Jan-10	3,858	3,282	1,918	1,988	N.Y.C.	Jan-10	9,721	6,433	4,216	7,305
	Feb-10	1,868	599	9,495	497		Feb-10	3,189	3,547	1,880	2,918		Feb-10	11,568	5,863	4,477	8,219
	Mar-10	1,081	427	10,627	589		Mar-10	2,368	3,502	1,815	3,219		Mar-10	9,745	3,891	687	7,785
	Apr-10	2,782	375	8,112	406		Apr-10	2,080	3,213	4,197	2,767		Apr-10	8,167	4,195	1,041	7,812
	May-10	1,205	125	10,560	216		May-10	2,950	3,006	2,637	2,513		May-10	13,756	4,206	475	7,048
	Jun-10	1,239	58	9,232	111		Jun-10	1,331	2,982	5,023	2,681		Jun-10	13,872	2,305	444	6,318
	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				
NORTH	Jan-10	371	910	8,227	1,944	HUD VL	Jan-10	9,362	1,921	2,611	911	LONGIL	Jan-10	7,706	5,282	946	254
	Feb-10	946	1,438	9,552	1,793		Feb-10	5,602	1,774	2,178	1,513		Feb-10	7,375	3,929	847	591
	Mar-10	1,143	1,259	11,701	2,063		Mar-10	1,631	1,015	3,149	456		Mar-10	6,118	2,380	592	410
	Apr-10	1,425	1,245	10,390	2,780		Apr-10	2,073	1,240	4,047	1,220		Apr-10	5,689	1,983	421	527
	May-10	1,777	1,082	9,295	2,344		May-10	3,294	344	1,432	338		May-10	7,397	1,823	238	110
	Jun-10	715	941	9,413	1,354		Jun-10	5,270	367	1,773	194		Jun-10	9,118	2,343	227	114
	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				
CENTRL	Jan-10	768	1,670	7,053	1,452	MILLWD	Jan-10	477	492	1,256	492	NYISO	Jan-10	37,871	23,210	42,846	18,184
	Feb-10	1,917	1,556	7,543	1,652		Feb-10	786	472	549	462		Feb-10	37,163	22,861	44,679	22,218
	Mar-10	991	1,607	8,467	3,033		Mar-10	397	441	1,052	376		Mar-10	28,200	17,119	48,274	22,288
	Apr-10	2,416	1,476	6,155	1,412		Apr-10	508	387	1,147	393		Apr-10	31,237	16,345	47,699	20,857
	May-10	1,075	1,349	7,105	1,384		May-10	939	286	955	337		May-10	38,214	14,754	46,363	17,645
	Jun-10	656	1,177	6,296	1,019		Jun-10	1,051	127	636	127		Jun-10	42,213	12,690	47,236	13,784
	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				

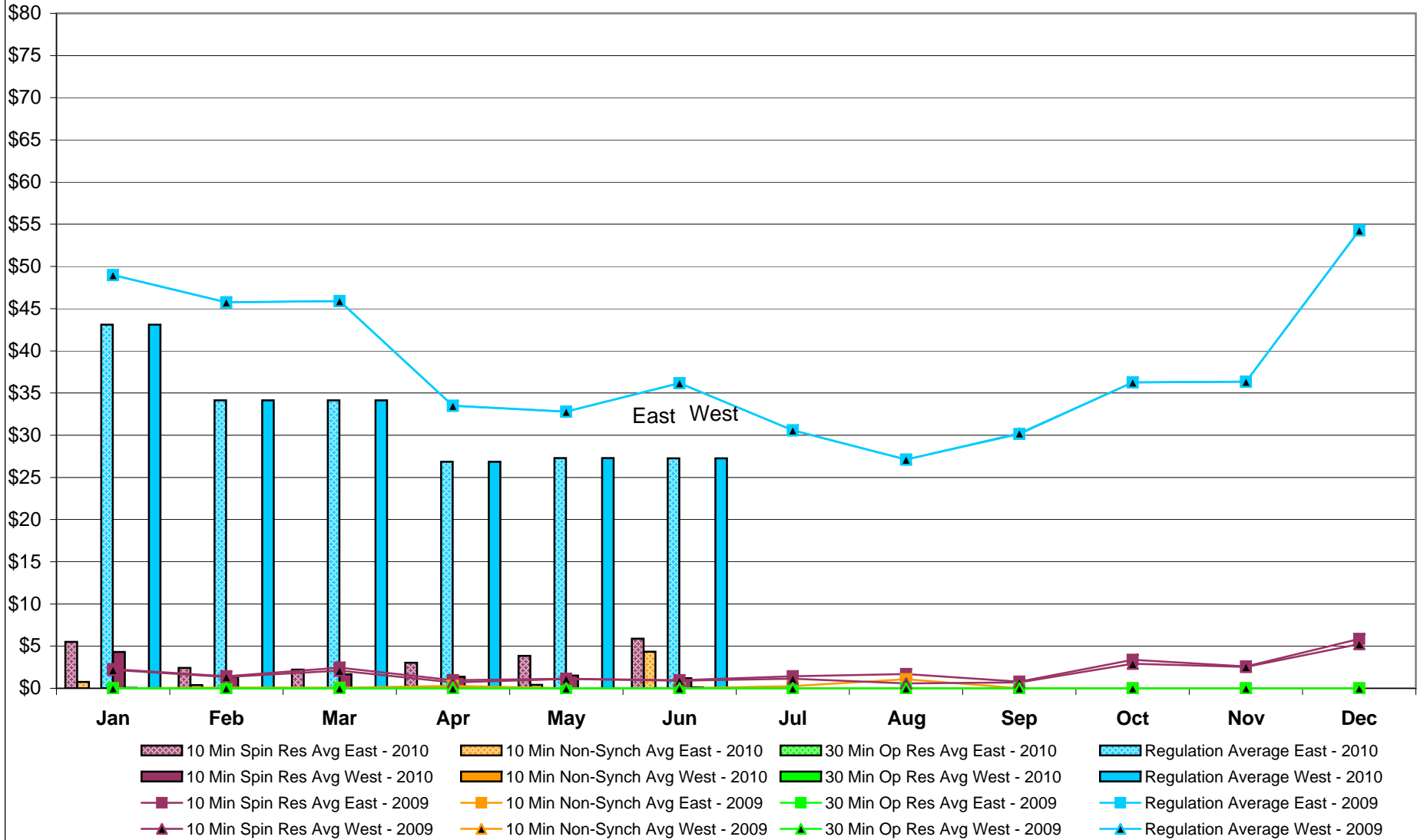
NYISO Multi Hour Block Transactions Monthly Total MWh



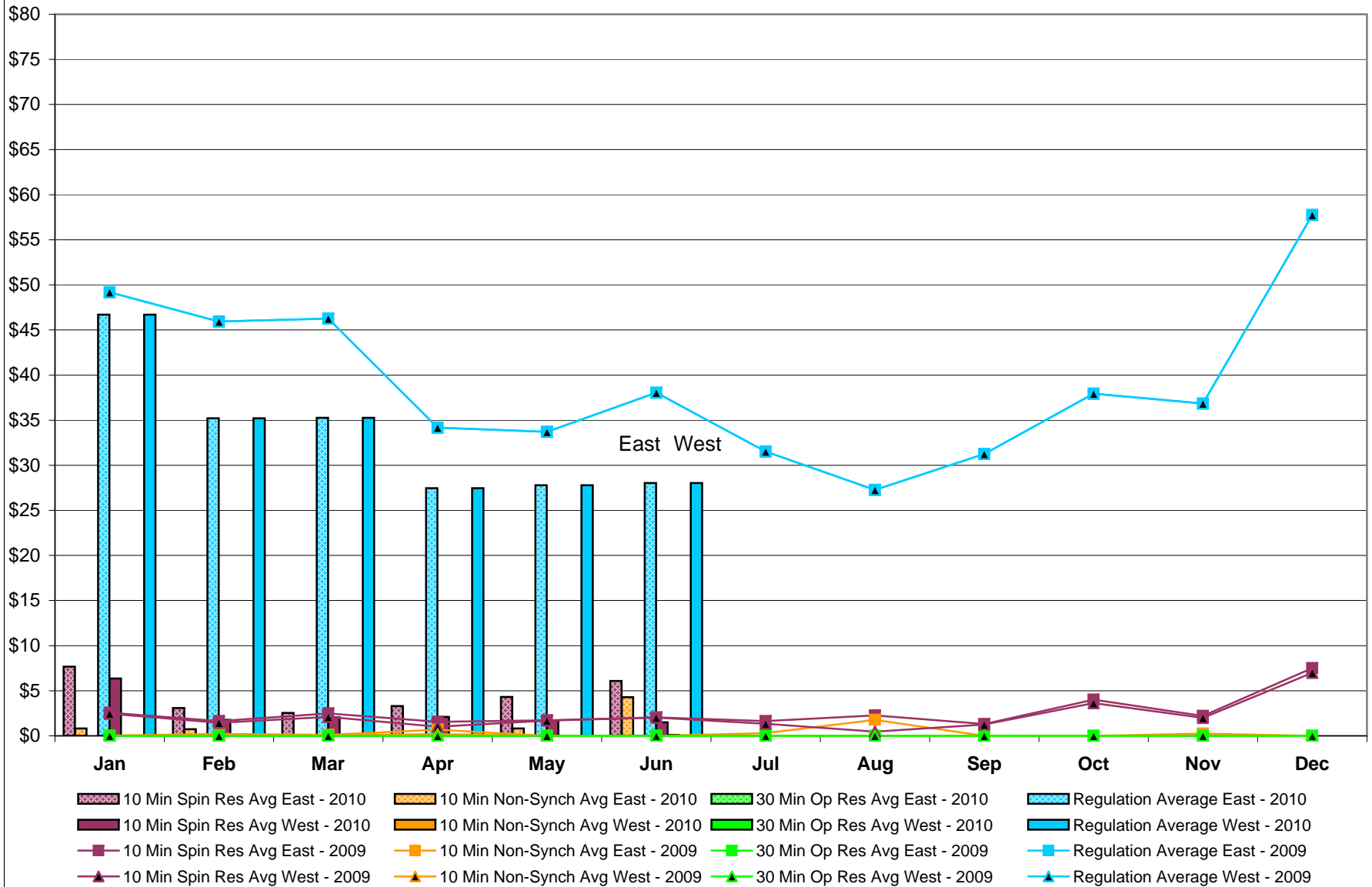
NYISO Monthly Average Ancillary Service Prices Day Ahead Market 2009 - 2010



NYISO Monthly Average Ancillary Service Prices RTC Market 2009 - 2010



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



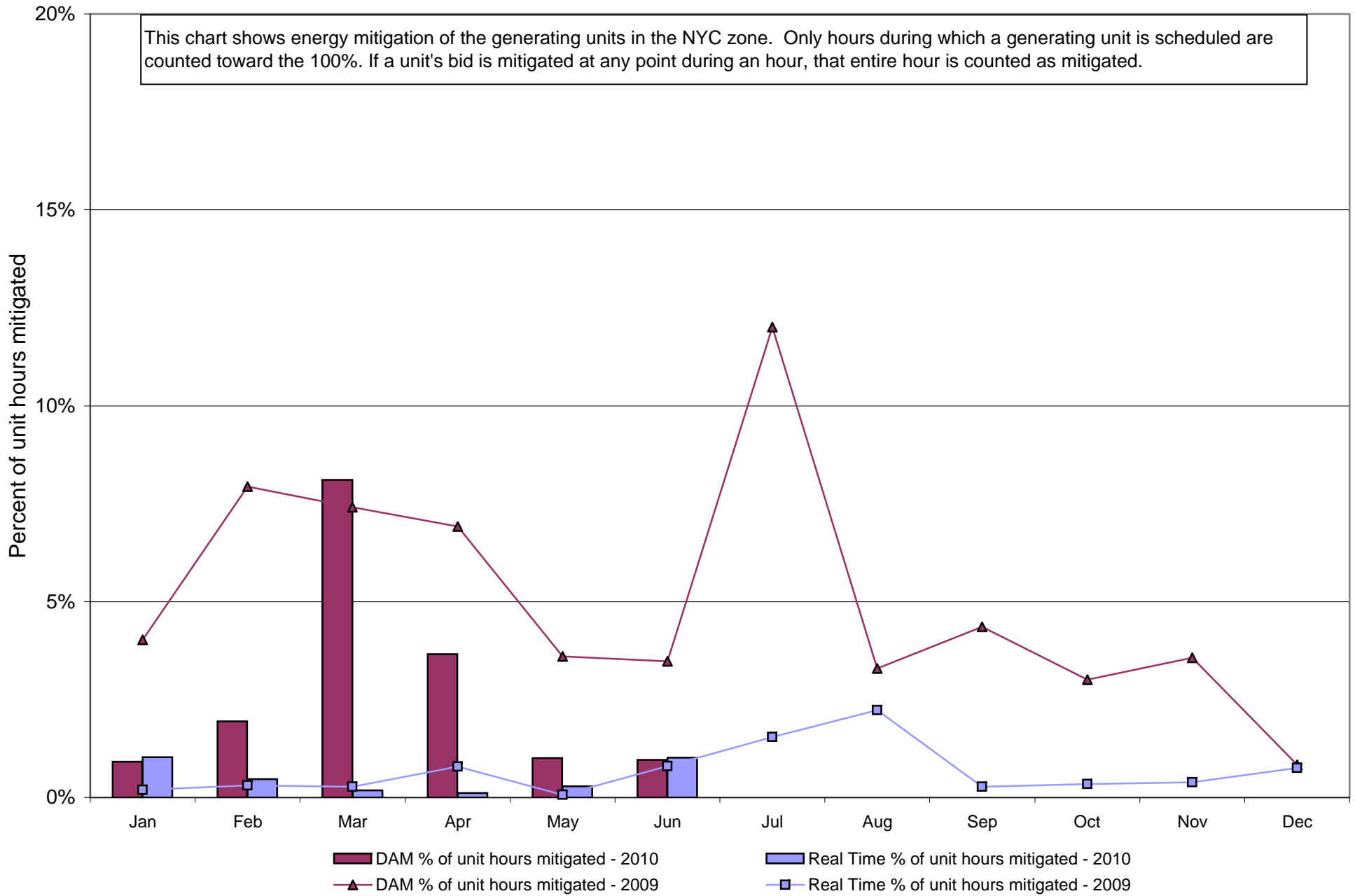
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

2010	<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>
Day Ahead Market												
10 Min Spin East	4.62	4.51	5.10	7.04	7.59	5.43						
10 Min Spin West	3.90	3.80	4.02	4.51	4.73	4.27						
10 Min Non Synch East	2.11	1.42	2.85	1.89	3.04	1.04						
10 Min Non Synch West	1.49	0.80	1.78	0.74	1.02	0.37						
30 Min East	0.24	0.18	0.18	0.16	0.12	0.07						
30 Min West	0.24	0.18	0.18	0.16	0.12	0.07						
Regulation East	43.21	35.33	33.67	29.28	30.33	30.44						
Regulation West	43.21	35.33	33.67	29.28	30.33	30.44						
RTC Market												
10 Min Spin East	5.49	2.42	2.22	3.03	3.86	5.89						
10 Min Spin West	4.32	1.40	1.66	1.38	1.53	1.19						
10 Min Non Synch East	0.77	0.37	0.00	0.00	0.39	4.35						
10 Min Non Synch West	0.05	0.00	0.00	0.00	0.00	0.11						
30 Min East	0.00	0.00	0.00	0.00	0.00	0.04						
30 Min West	0.00	0.00	0.00	0.00	0.00	0.03						
Regulation East	43.11	34.13	34.13	26.86	27.28	27.26						
Regulation West	43.11	34.13	34.13	26.86	27.28	27.26						
Real Time Market												
10 Min Spin East	7.67	3.08	2.54	3.31	4.30	6.10						
10 Min Spin West	6.37	1.78	2.05	2.09	1.73	1.51						
10 Min Non Synch East	0.83	0.74	0.00	0.00	0.81	4.28						
10 Min Non Synch West	0.00	0.00	0.00	0.00	0.00	0.12						
30 Min East	0.00	0.00	0.00	0.00	0.00	0.03						
30 Min West	0.00	0.00	0.00	0.00	0.00	0.03						
Regulation East	46.71	35.21	35.26	27.47	27.78	28.03						
Regulation West	46.71	35.21	35.26	27.47	27.78	28.03						
2009	<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>
Day Ahead Market												
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
RTC Market												
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
Real Time Market												
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

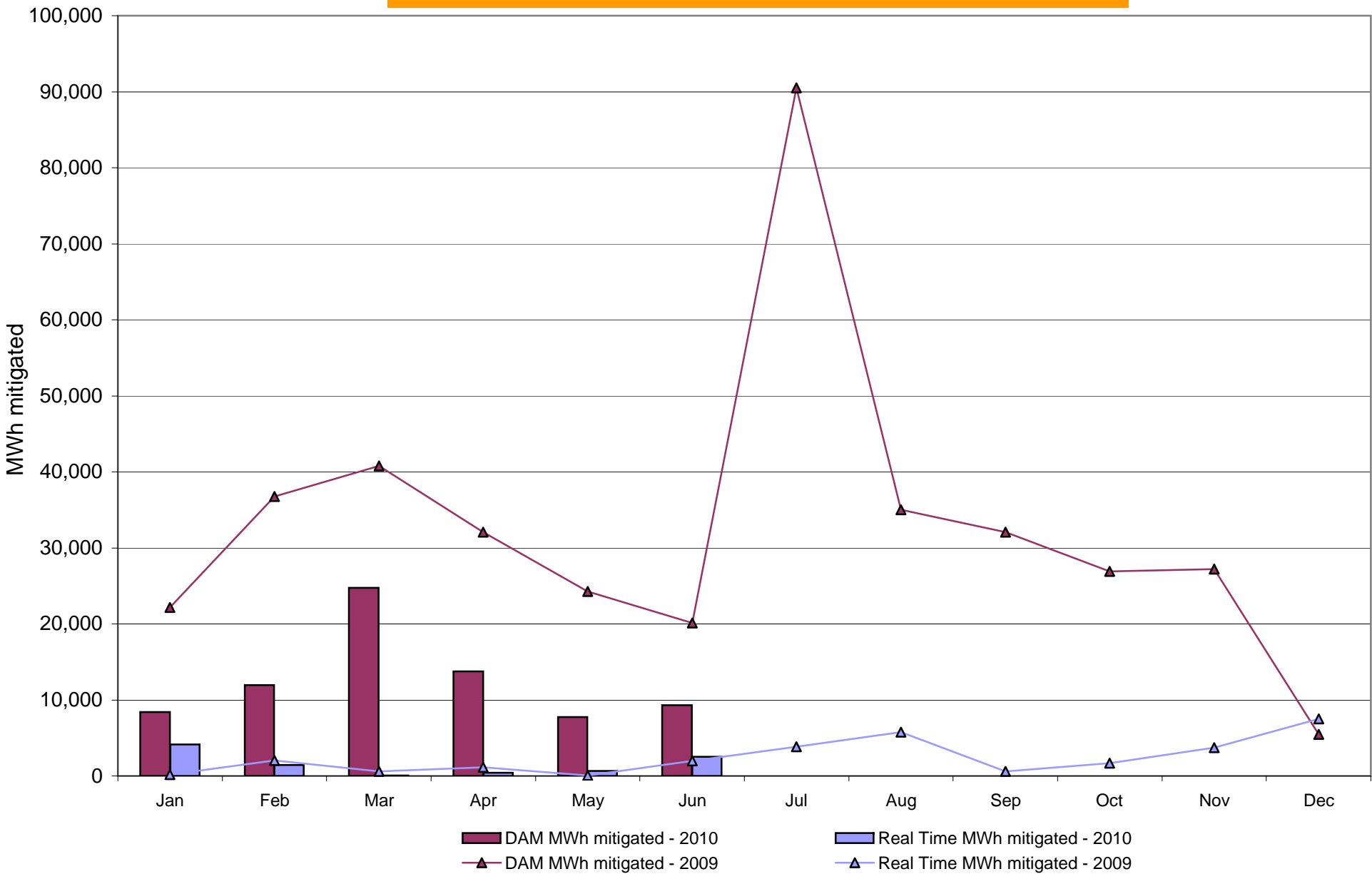
Percentage of committed unit-hours mitigated

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.

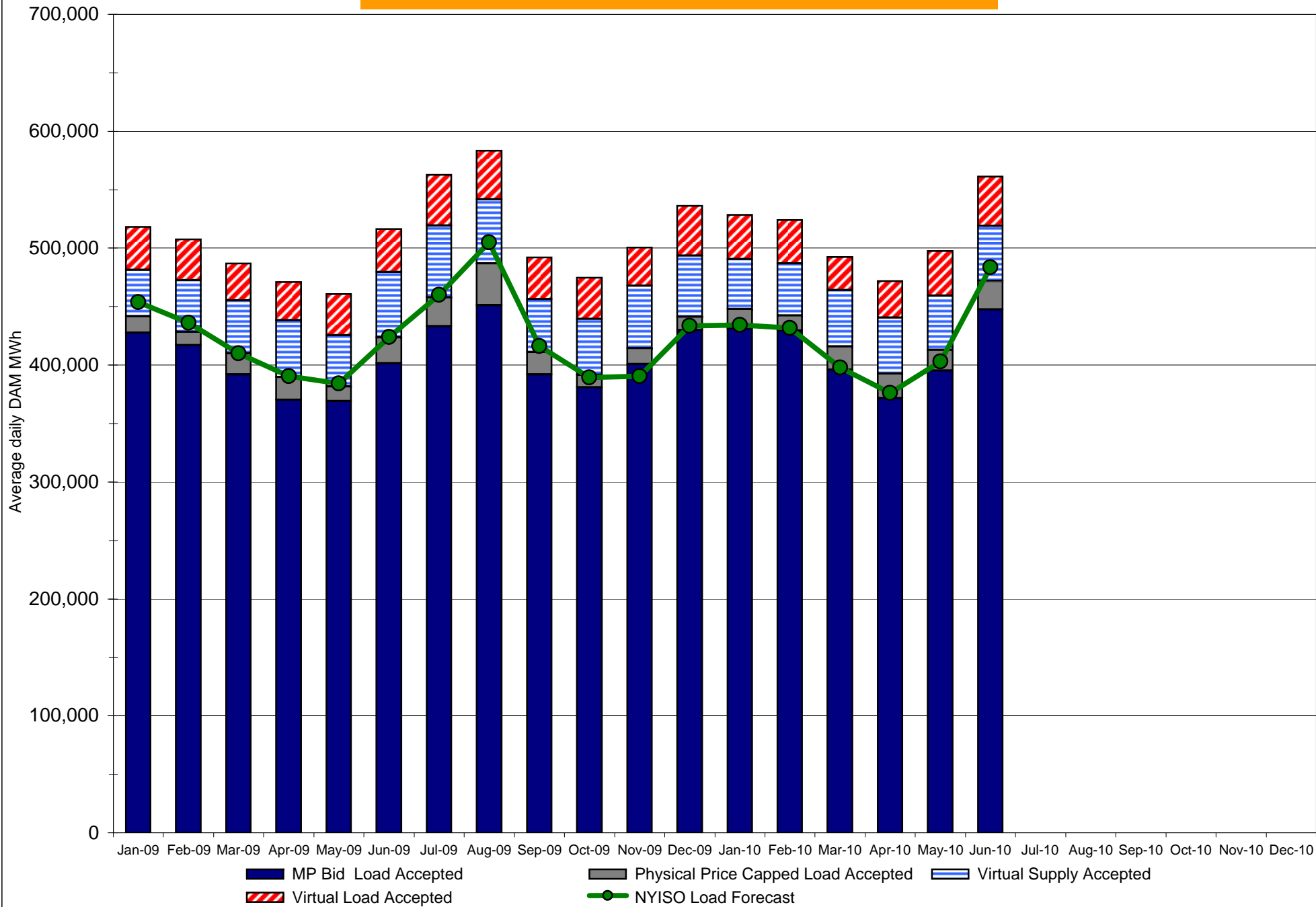


NYISO In City Energy Mitigation (NYC Zone) 2009 - 2010

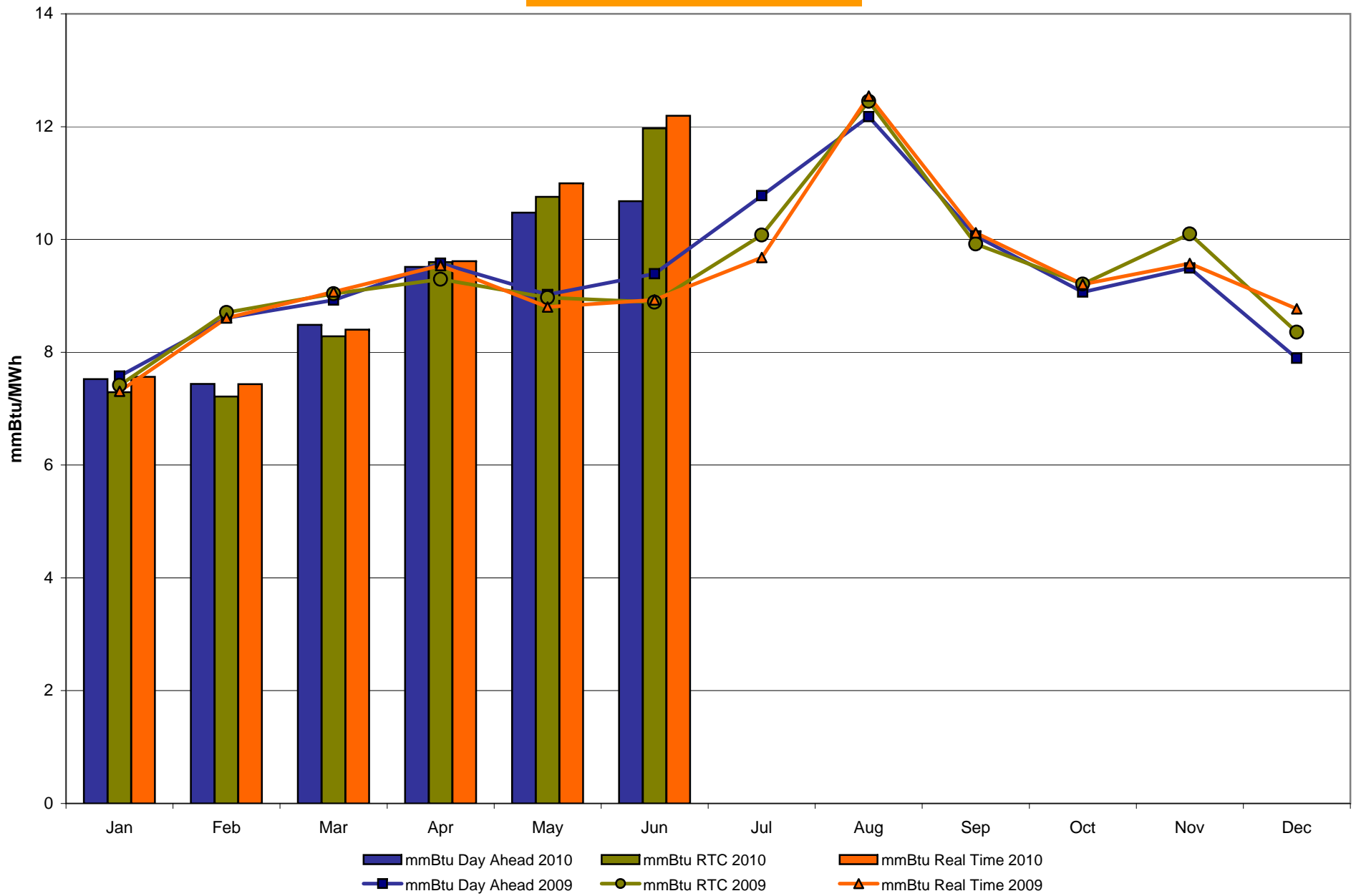
Monthly megawatt hours mitigated



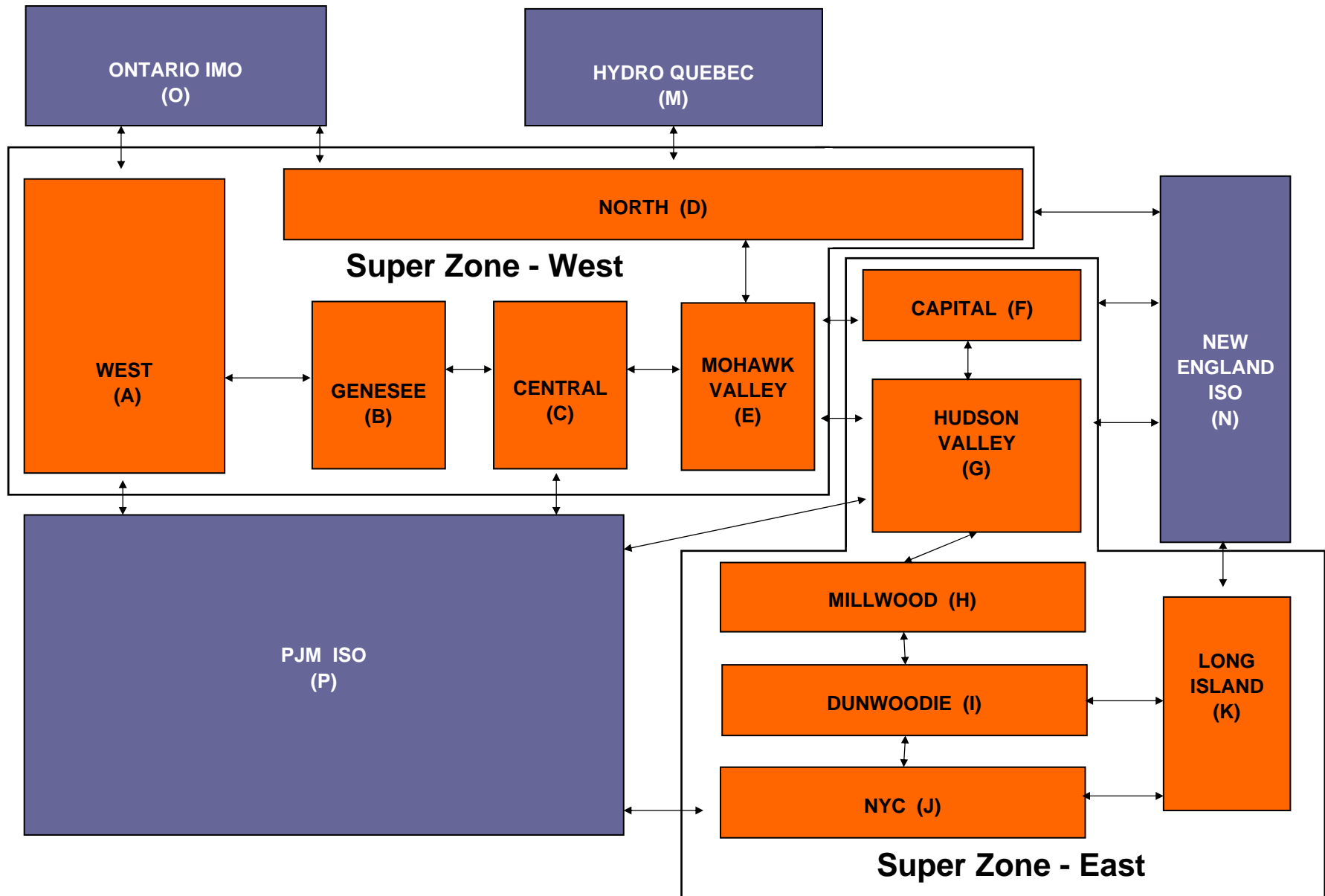
NYISO Average Daily DAM Load Bid Summary



Monthly Implied Heat Rate 2009-2010



NYISO LBMP ZONES



Billing Codes for Chart 4-C

Chart 4-C Category Name	Billing Code	Billing Category Name
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

Operations Performance Metrics Monthly Report



June 2010 Report

Operations & Reliability Department New York Independent System Operator

Prepared by NYISO Operations Analysis and Services, based on settlements initial invoice data obtained on or before July 12.

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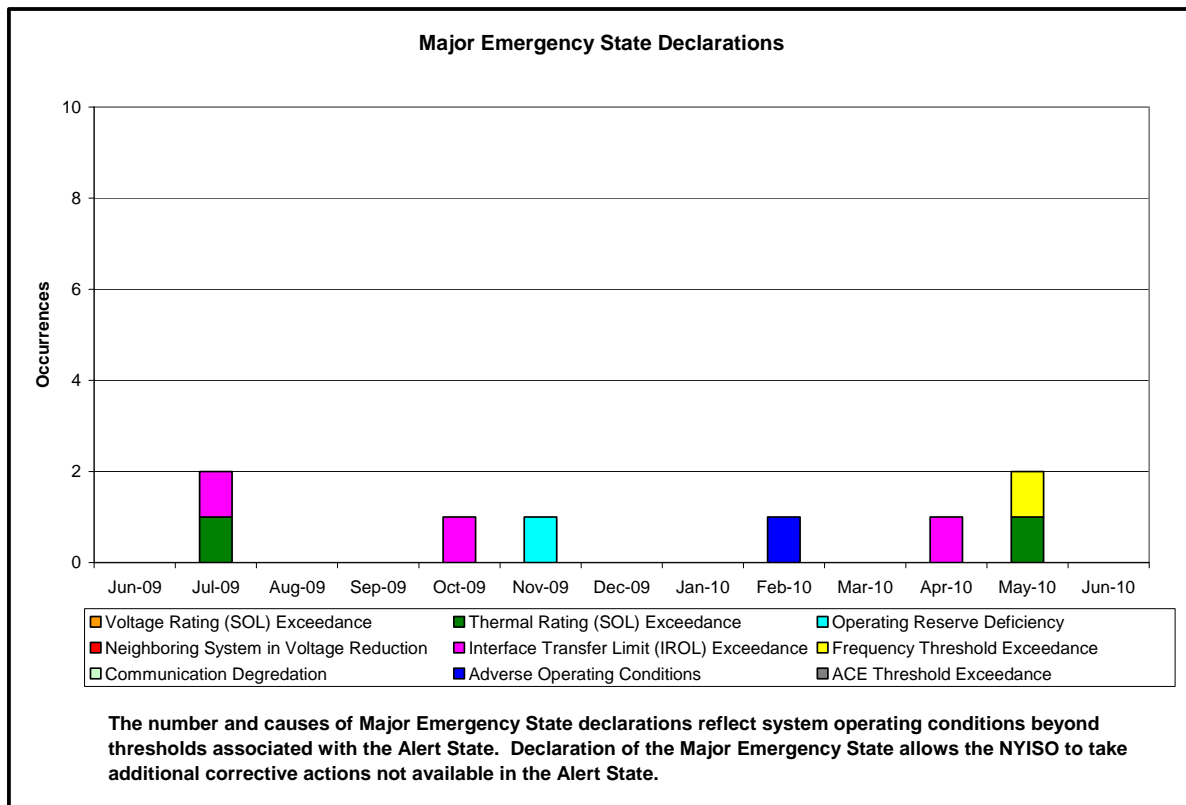
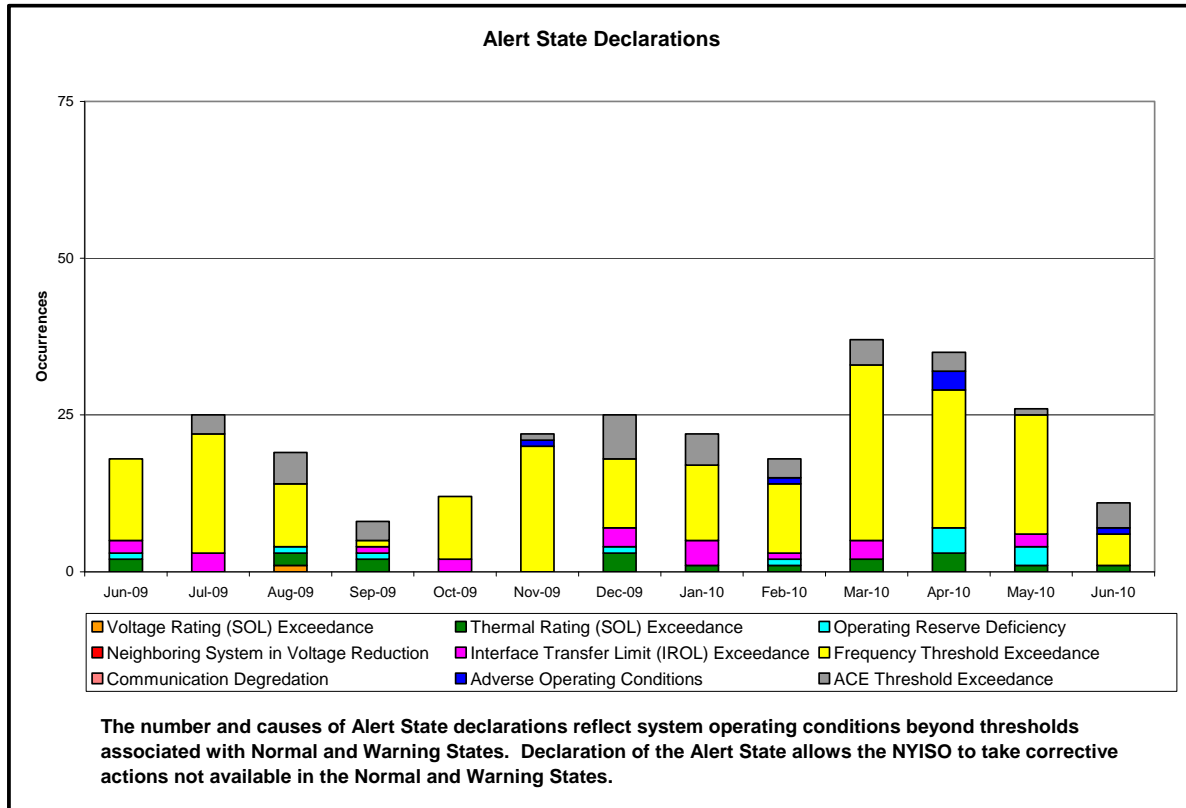
- ◆ **Reliability Performance Metrics**
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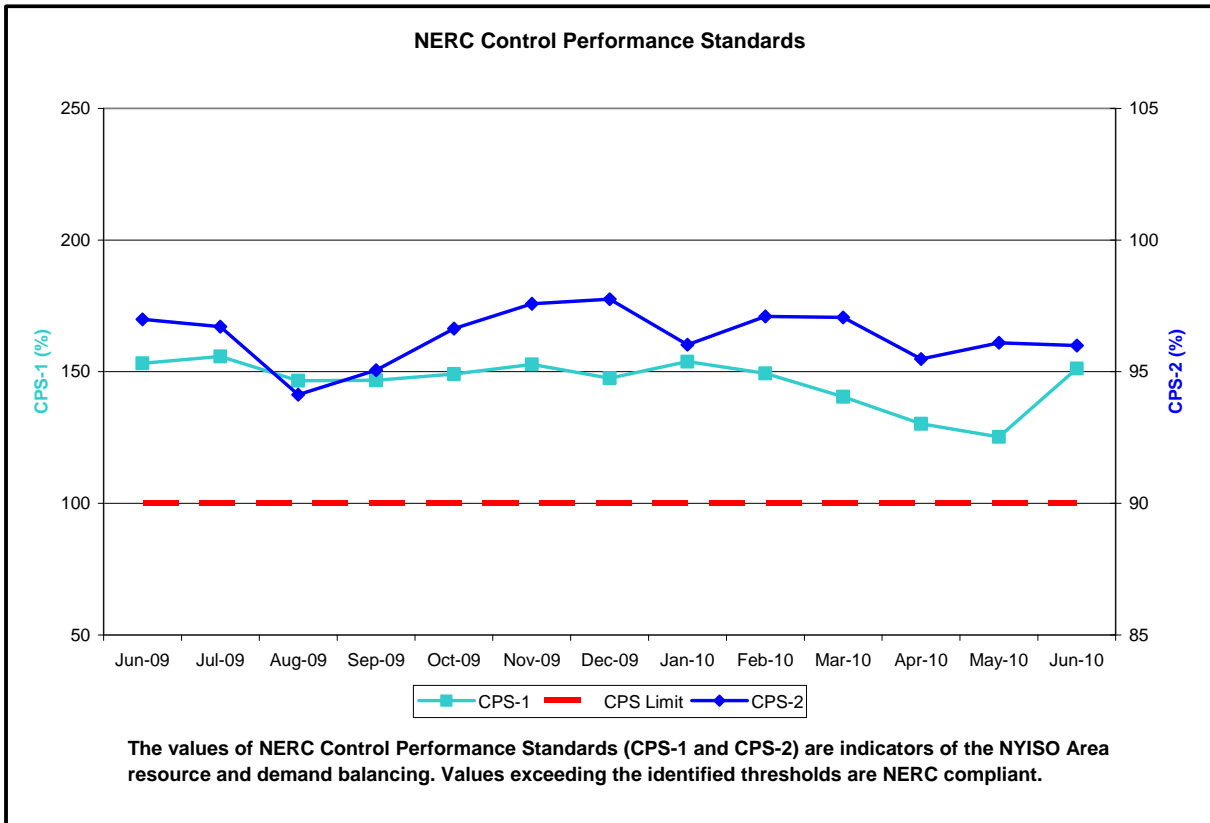
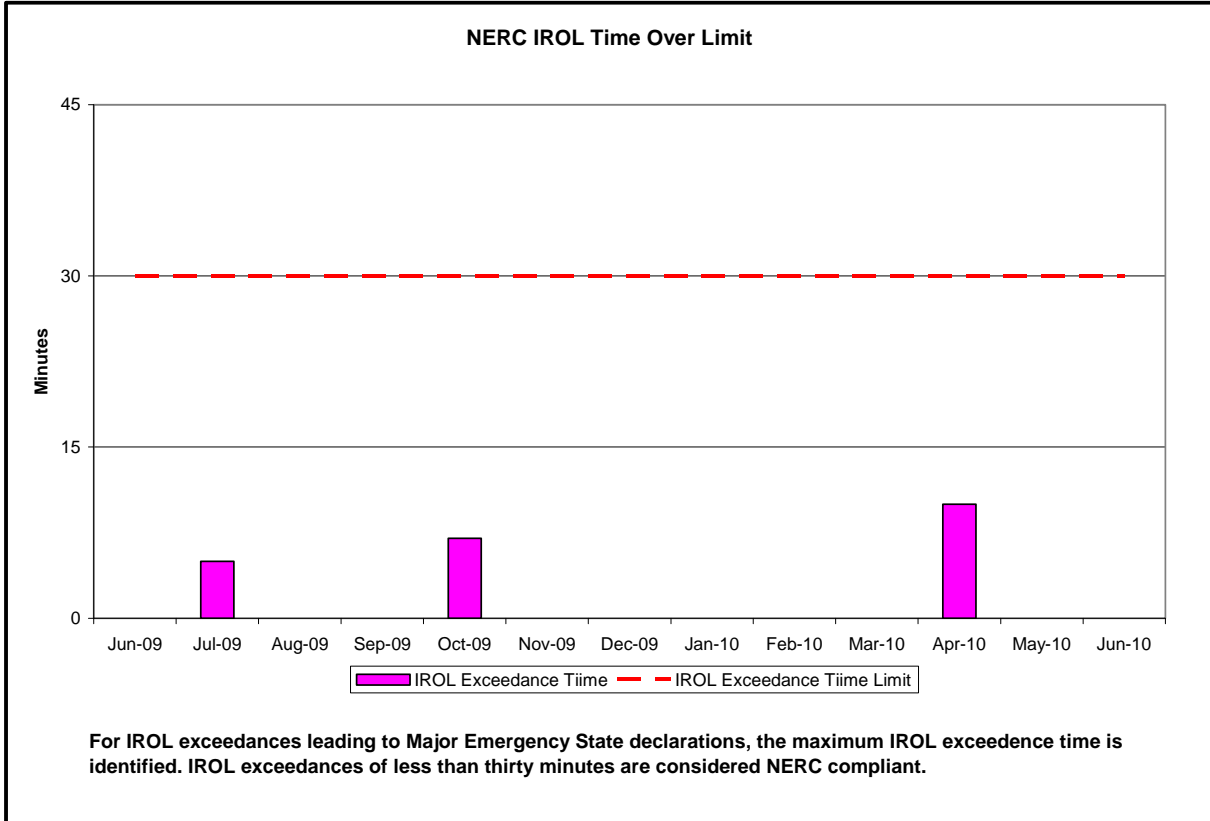
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 - *DAM Congestion Residuals Cost Categories*

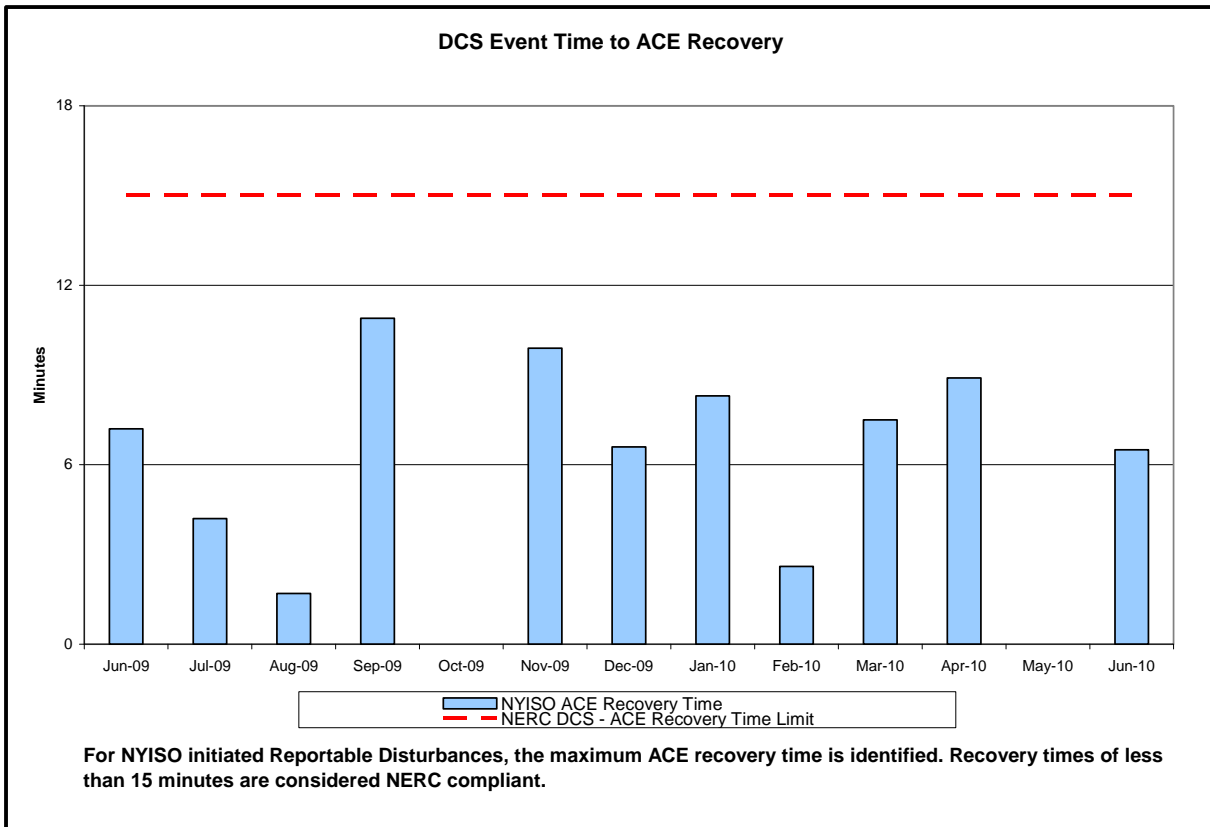
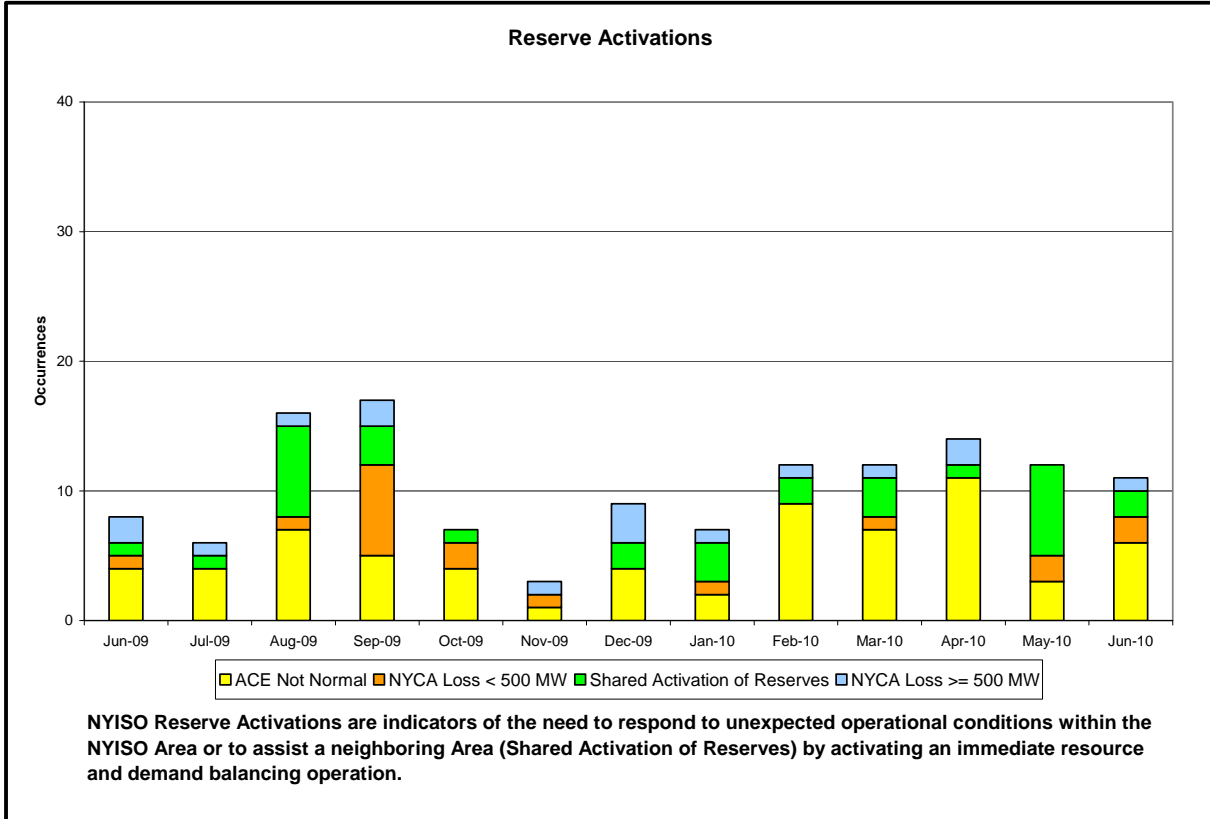
June 2010 Operations Performance Highlights

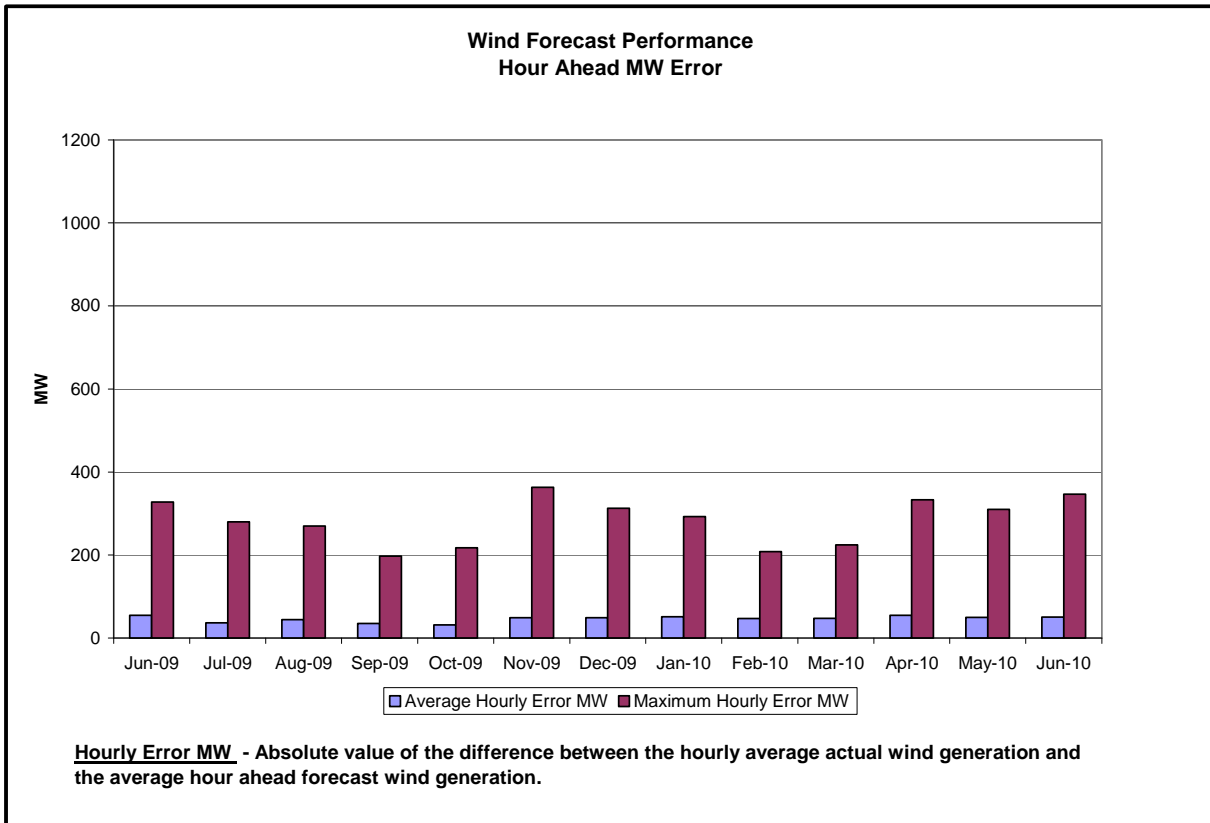
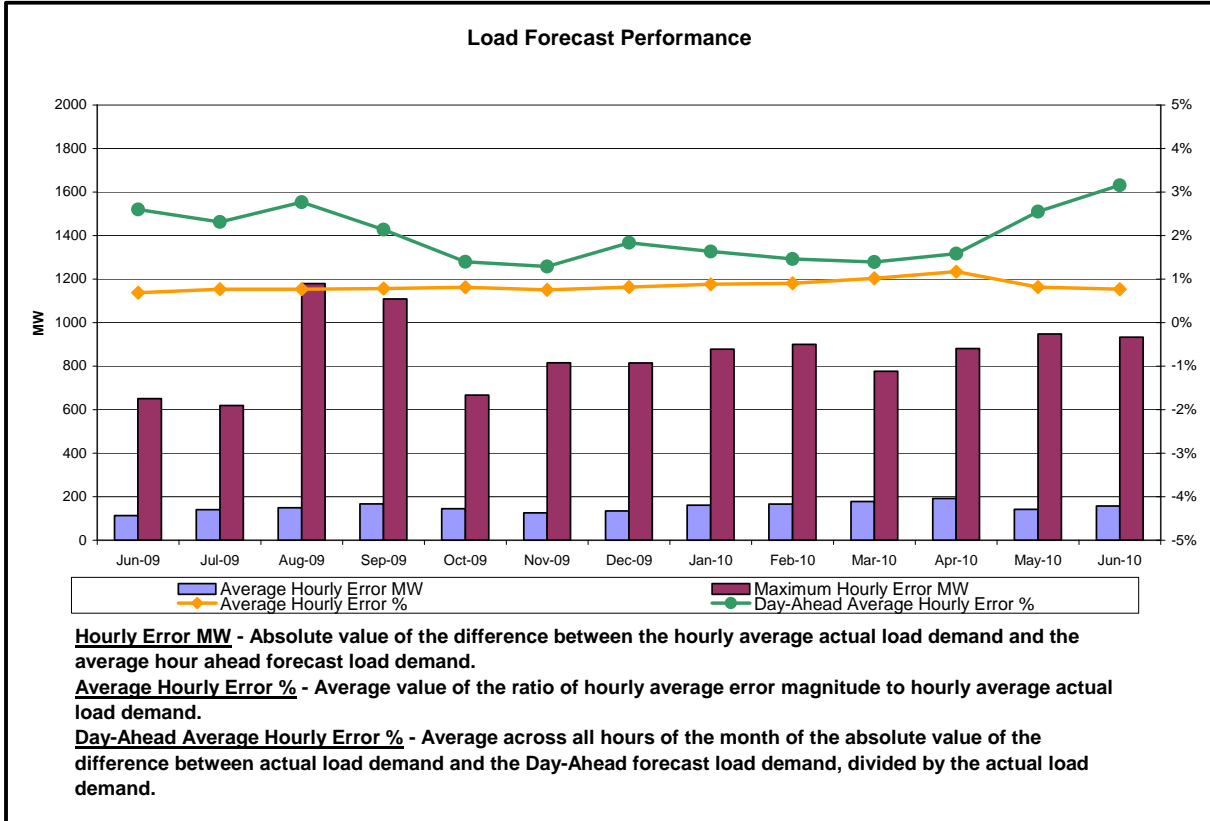
- Peak load of 30,235 MW occurred on June 28 for hour beginning 13
- TLR3 declared for 54 hours
- CPS-1 returned to normal levels, frequency meter issues corrected
- Beck-Niagara outages scheduled for Fall 2010, three week duration expected to begin in November

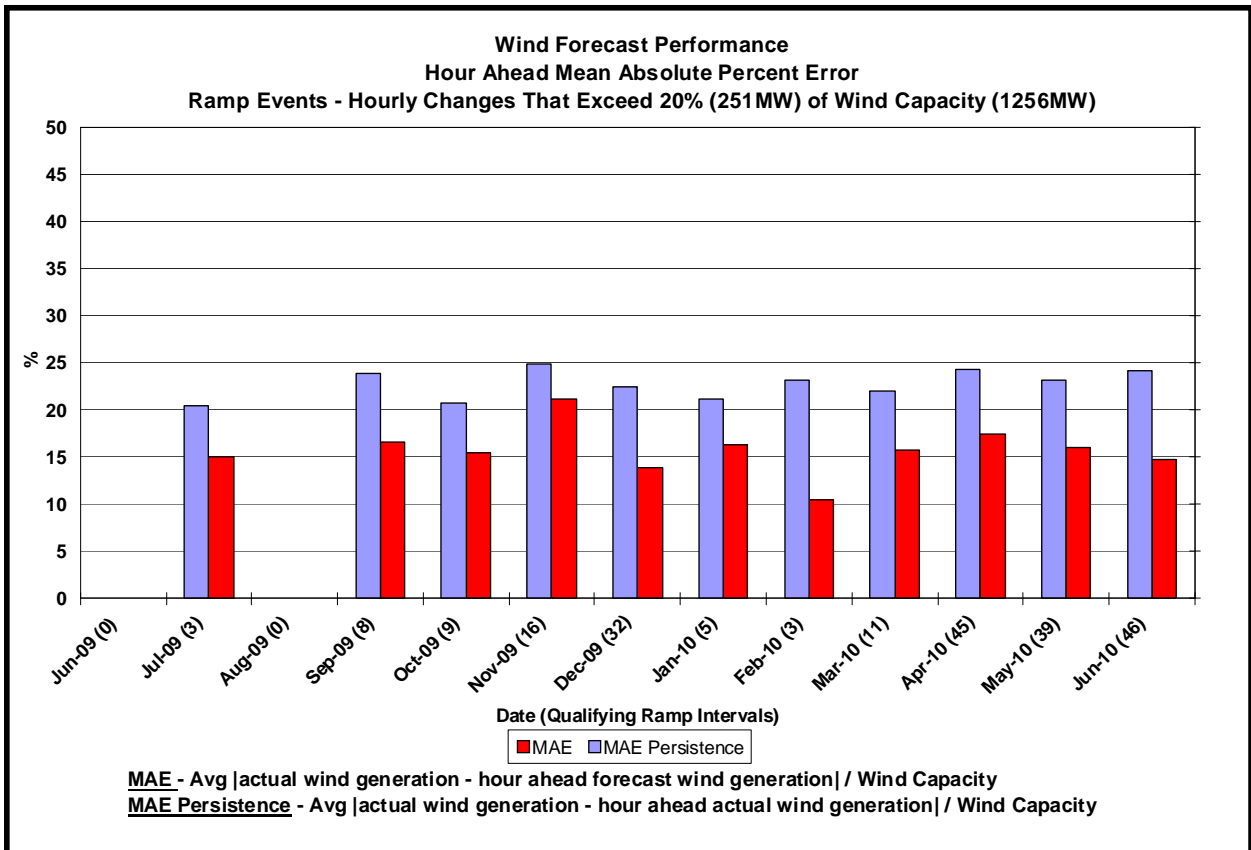
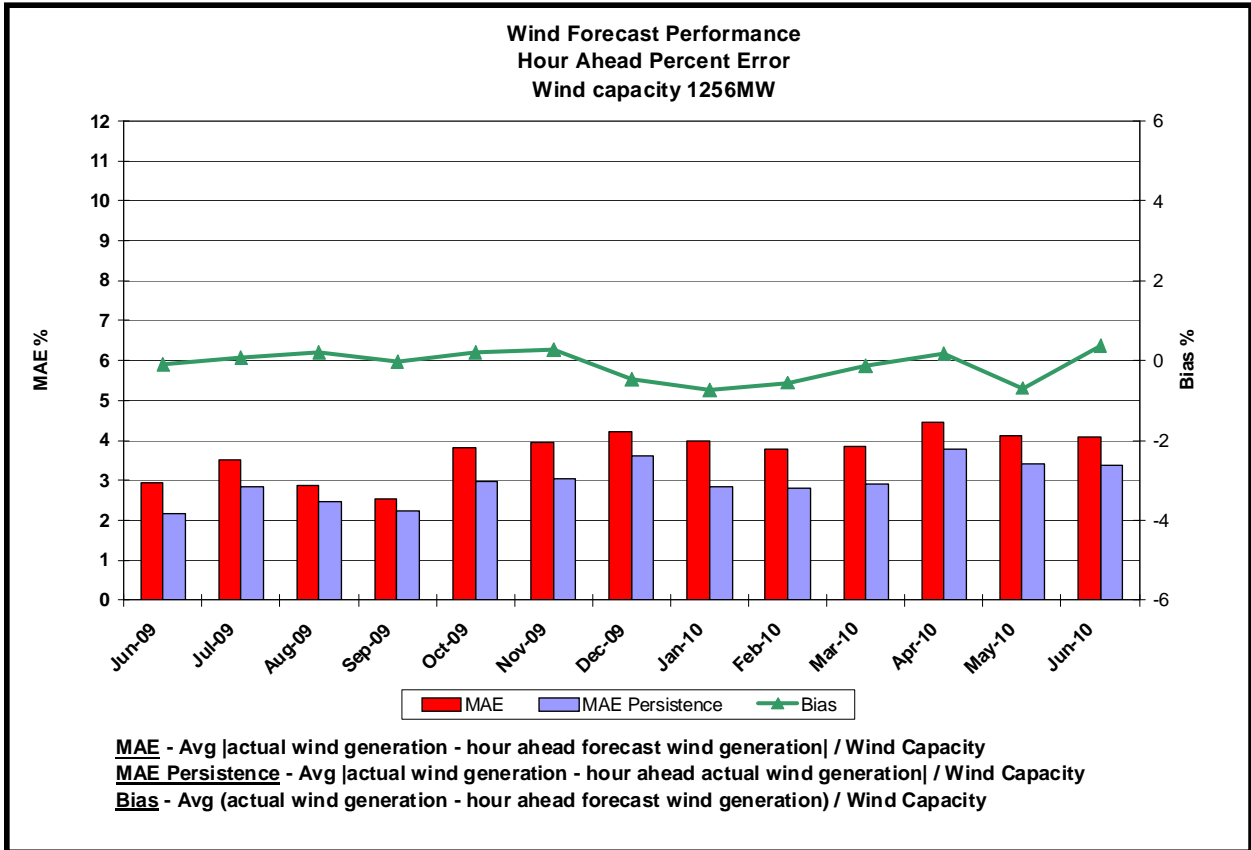
Reliability Performance Metrics

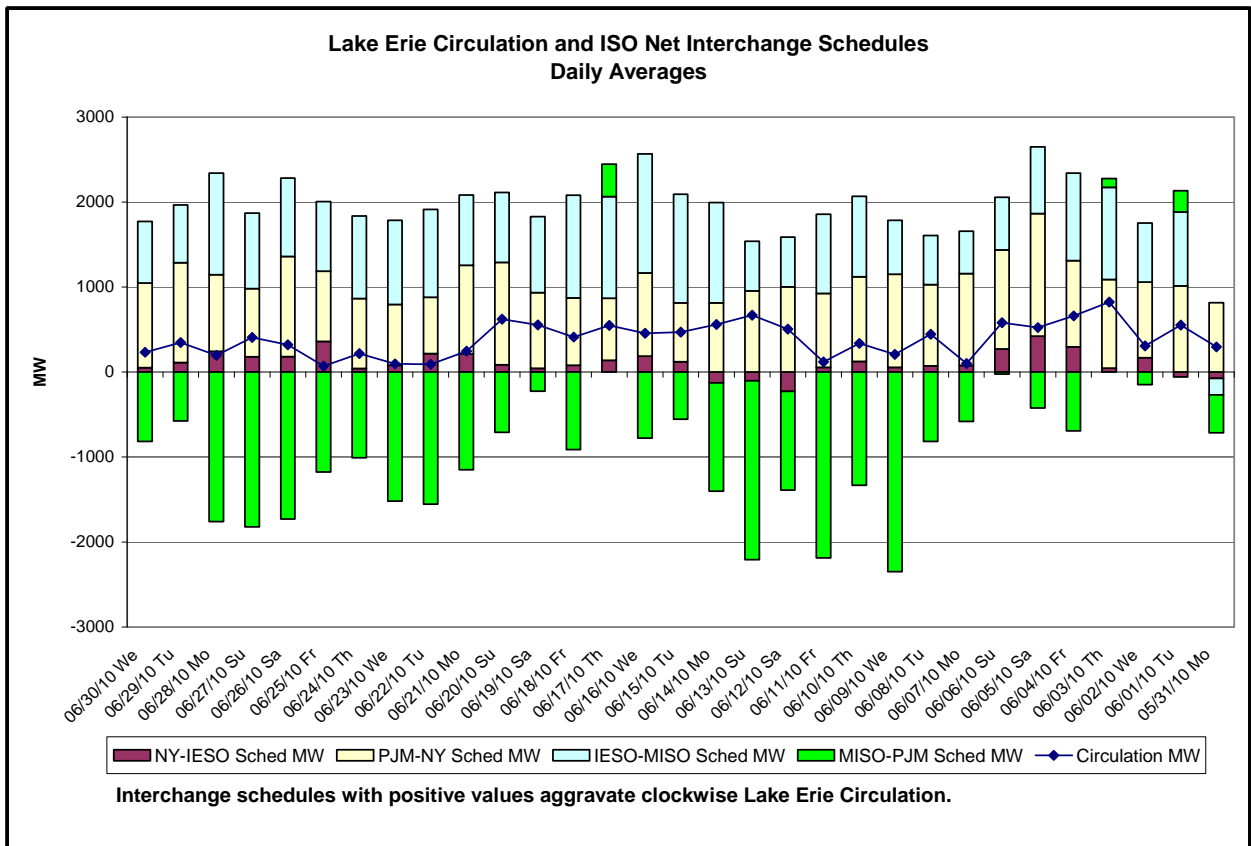
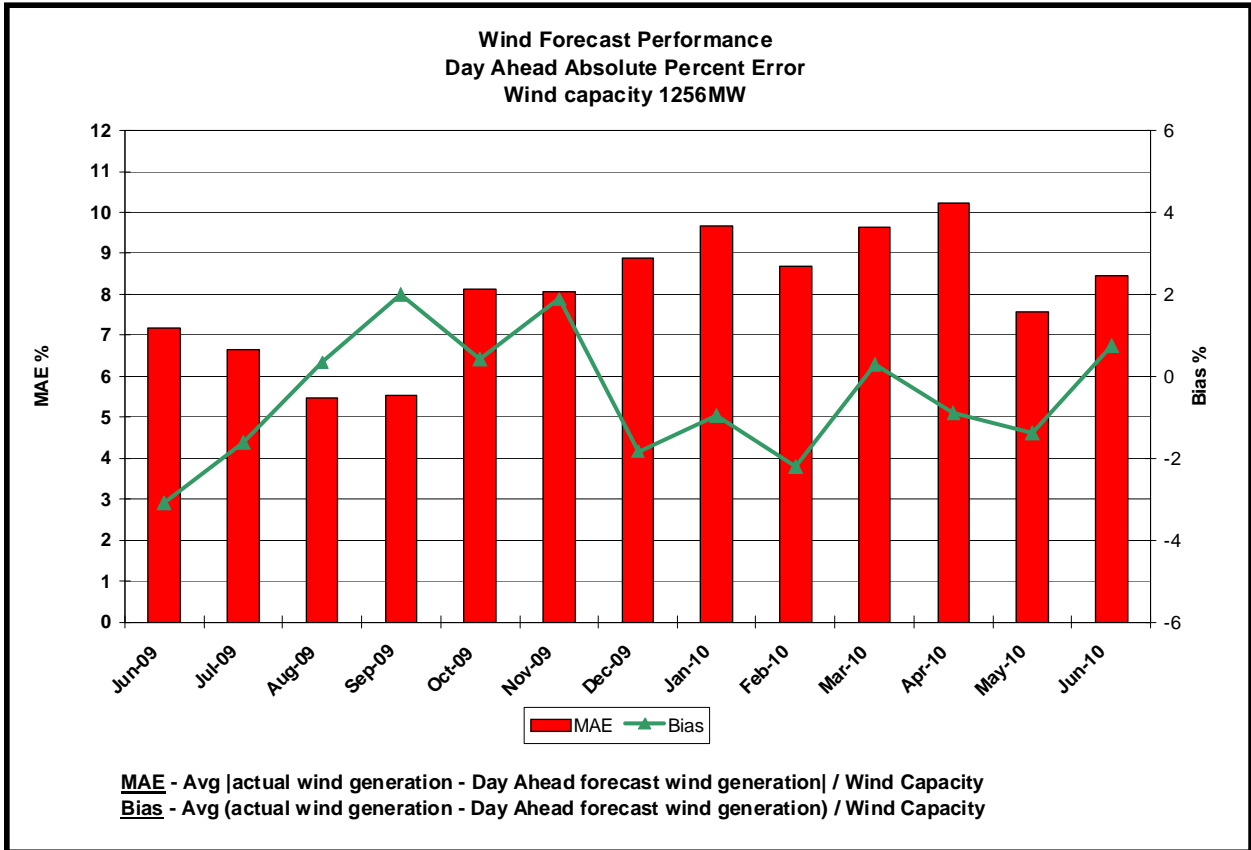




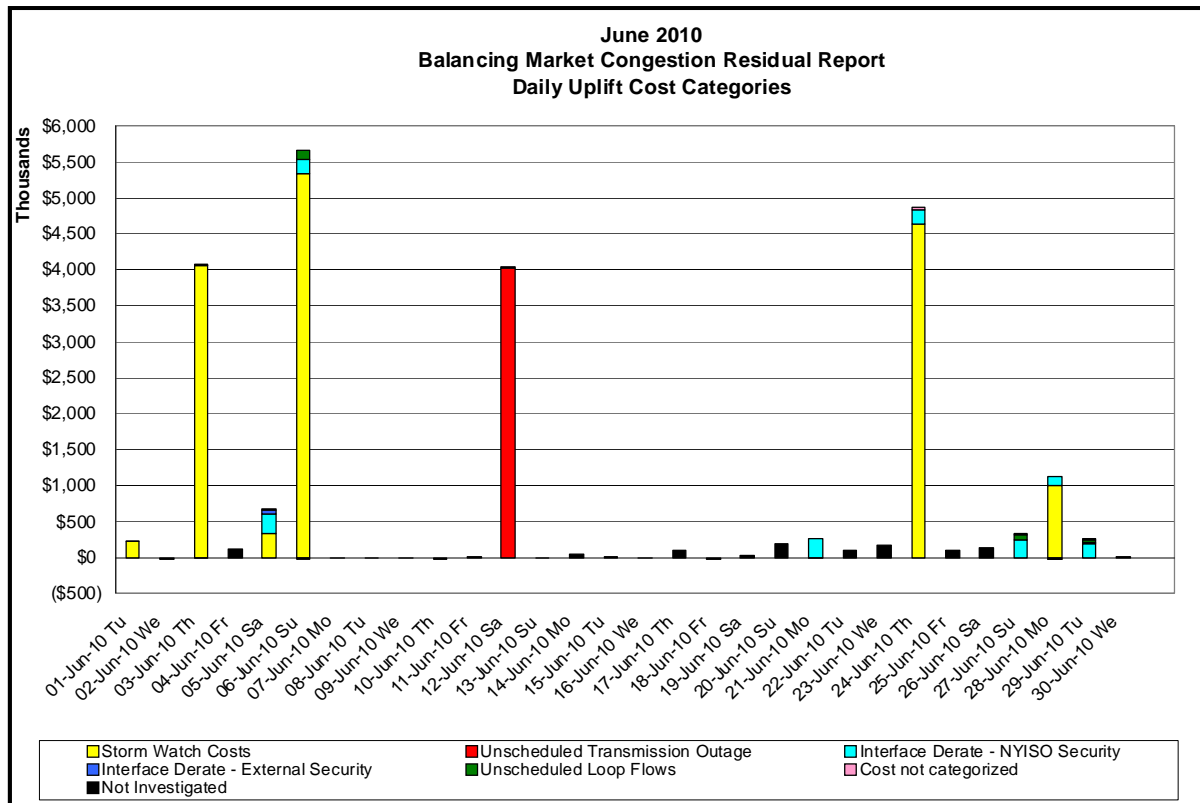
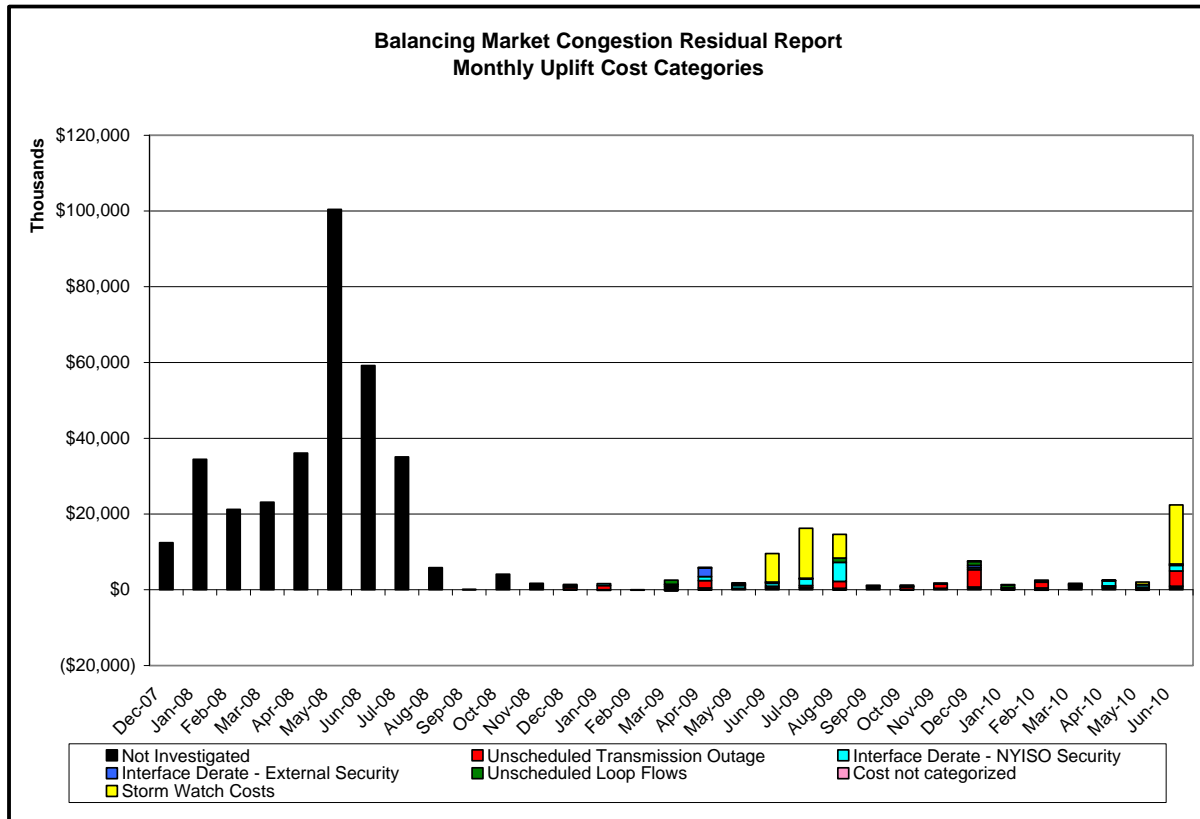








Market Performance Metrics



Day's investigated in June: 01, 03, 05, 06, 12, 21, 24, 27, 28, 29

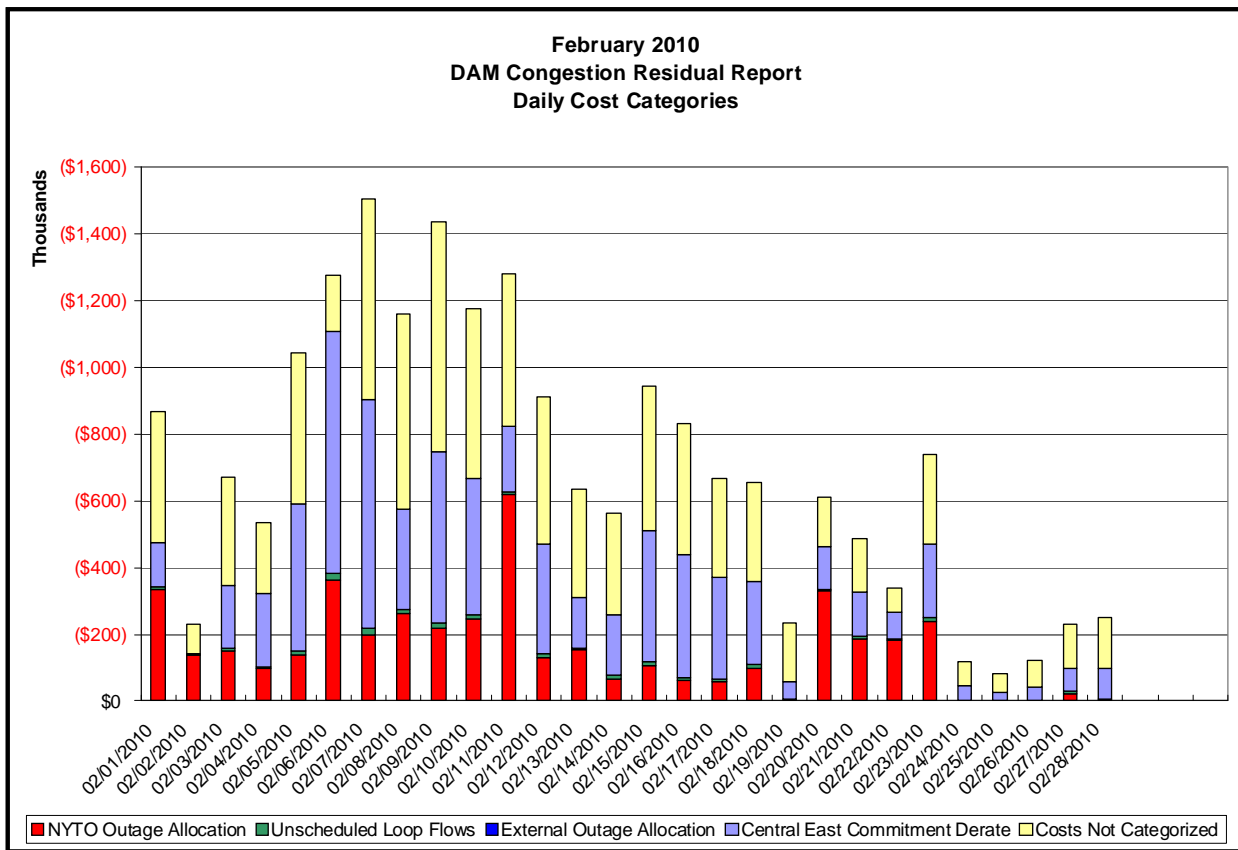
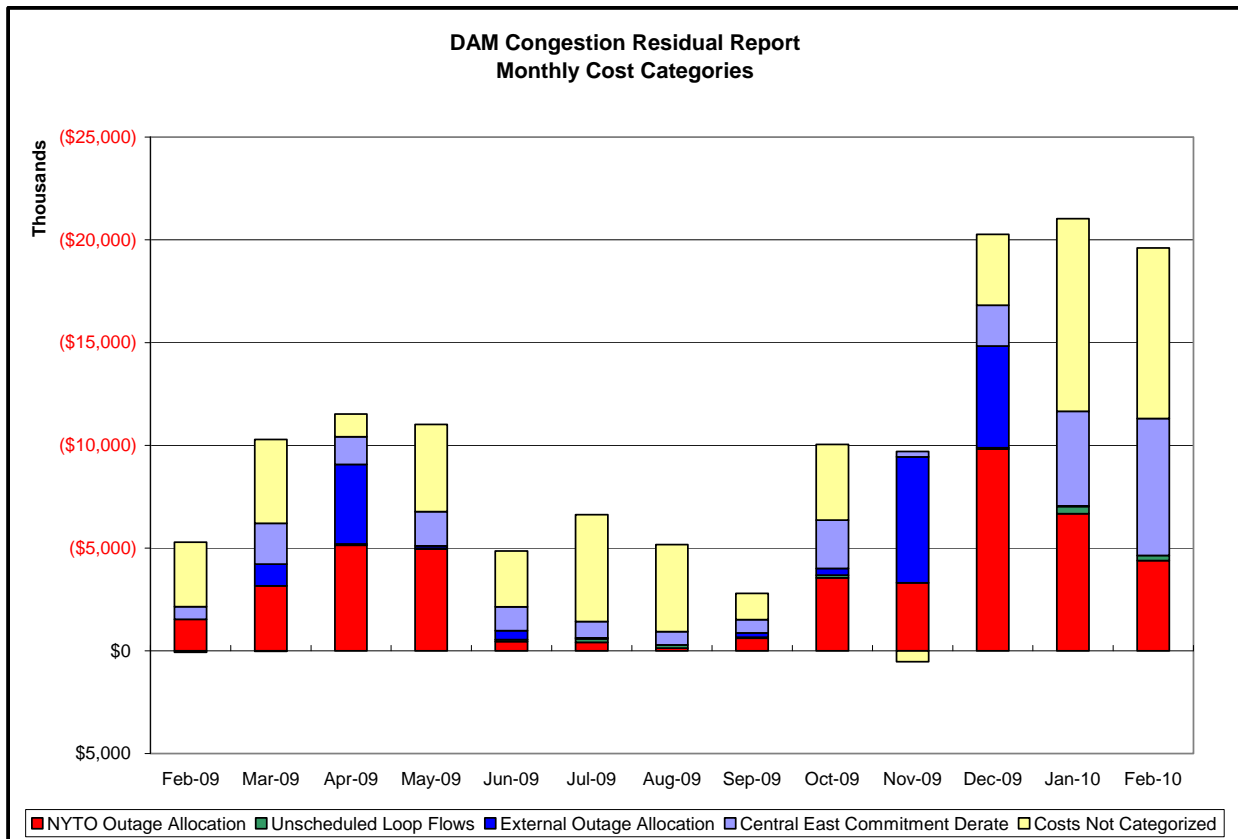
Event	Date (yyyymm)	Hours	Description
	6/1/2010	11-17	Thunderstorm Alert
	6/3/2010	13-16	Thunderstorm Alert
	6/3/2010	18	Uprate Goethals S-GowanusS 345kV (#26)
	6/3/2010	22	Derate Greenwood/Staten Island
	6/3/2010	18	PJM DNI Ramp Limit
	6/5/2010	20-22	Thunderstorm Alert
	6/5/2010	10-19,23	Derate Greenwood/Staten Island, Gowanus S-Greenwood 138kV (#42231), Gowanus N-Greenwood 138kV (#42232)
	6/5/2010	12-13,15-19	Derate Leeds-New Scotland 345kV (#93) for I/o Leeds-New Scotland 345kV (#94)
	6/5/2010	0	NE-NY Scheduling Limit
	6/6/2010	13-17	Thunderstorm Alert
	6/6/2010	0,11-12,18-20	Derate Greenwood/Staten Island, Gowanus N-Greenwood 138kV (#42231) for TWR:Goethals 22,21,A2253, Gowanus S-Greenwood 138kV (#42232) for TWR:Goethals 22,21,A2253
	6/6/2010	11-12, 19-20	Derate Leeds-New Scotland 345kV (#93) for I/o Leeds-New Scotland 345kV (#94)
	6/6/2010	11, 12, 19	Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW: Central East
	6/12/2010	10-21	Forced outage Sprainbrook-Dunwoodie 345kV (#W75)
	6/12/2010	10-21	Forced outage Dunwoodie-Shore Road 345kV (#Y50)
	6/12/2010	10-21	Forced outage Dunwoodie-Motthaven 345kV (#71)
	6/12/2010	10-21	Forced outage Dunwoodie-Motthaven 345kV (#72)
	6/12/2010	10-21	Forced outage Dunwoodie-Pleasantville 345kV (#W89)
	6/12/2010	10-21	Forced outage Dunwoodie-Pleasantville 345kV (#W90)
	6/12/2010	10-21	Forced outage Dunwoodie 345/138kV BK S1 (#W73)
	6/12/2010	10-21	Forced outage Dunwoodie 345/138kV BK N1 (#W74)
	6/12/2010	13-21	Extended outage Pleasantville-Wood St. 345kV (#F31) and Wood St.-Millwood 345kV (#W81)
	6/21/2010	10-23	Derate Greenwood/Staten Island, Gowanus N-Greenwood 138kV (#42231) for TWR:Goethals 22,21,A2253, Gowanus S-Greenwood 138kV (#42232) for TWR:Goethals 22,21,A2253
	6/21/2010	15-16	Derate Leeds-New Scotland 345kV (#93) for I/o Leeds-New Scotland 345kV (#94)
	6/24/2010	12-17	Thunderstorm Alert
	6/24/2010	7,9-11,19-23	Derate Vernon/Greenwood, Rainey-Vernon 138kV (#36312) for I/o NYPA Astoria
	6/27/2010	13-23	Derate Greenwood/Staten Island, Gowanus N-Greenwood 138kV (#42231) for I/o TWR:Goethals 22,21,A2253
	6/27/2010	13-19,21	Derate Pleasant Valley-Leeds 345kV (#92) for I/o Athens-Pleasant Valley 345kV (#91)
	6/27/2010	13,16	Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW: Leeds-Pleasant Valley 345kV (#91) for I/o Athens-Pleasant Valley 345kV (#92)
	6/28/2010	14-17	Thunderstorm Alert
	6/28/2010	8-10,13	Derate Gowanus N-Greenwood 138kV (#42231)
	6/28/2010	8-10,13	Derate Gowanus S-Greenwood 138kV (#42232)
	6/28/2010	0,21-23	Derate Greenwood/Staten Island
	6/28/2010	8-10,22	Derate Mott Haven-Dunwoodie 345kV (#72)
	6/28/2010	8	Derate Vernon/Greenwood, Vernon-Greenwood 138kV (#31231)
	6/28/2010	12	PJM DNI Ramp Limit
	6/29/2010	0, 21	NYCA DNI Ramp Limit
	6/29/2010	19	Uprate Central East
	6/29/2010	10-15	Derate Gowanus N-Greenwood 138kV (#42231)
	6/29/2010	10-15	Derate Gowanus S-Greenwood 138kV (#42232)
	6/29/2010	0	Derate Greenwood/Staten Island, Gowanus S-Greenwood 138kV (#42232)
	6/29/2010	10-15	Derate Pleasant Valley-Leeds 345kV (#92) for I/o Athens-Pleasant Valley 345kV (#91)
	6/29/2010	0	NE-NY Scheduling Limit
	6/29/2010	14	Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW: Central East
	6/29/2010	13-14	Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW: Leeds-Pleasant Valley 345kV (#91) for I/o Athens-Pleasant Valley 345kV (#92)

Real-Time Balancing Market Congestion Residual (Uplift Cost) Categories





<u>Category</u>	<u>Cost Assignment</u>	<u>Events Types</u>	<u>Event Examples</u>
Storm Watch	Zone J	Thunderstorm Alert (TSA)	TSA Activations
Unscheduled Transmission Outage	Market-wide	Reduction in DAM to RTM transfers related to unscheduled transmission outage	Forced Line Outage, Unit AVR Outages
Interface Derate - NYISO Security	Market-wide	Reduction in DAM to RTM transfers not related to transmission outage	Interface Derates due to RTM voltages
Interface Derate - External Security	Market-wide	Reduction in DAM to RTM transfers related to External Control Area Security Events	TLR Events, External Transaction Curtailments
Unscheduled Loop Flows	Market-wide	Changes in DAM to RTM unscheduled loop flows impacting NYISO Interface transmission constraints	DAM to RTM Clockwise Lake Erie Loop Flows greater than 300MW

Monthly Balancing Market Congestion Report Assumptions/Notes

- 1) Storm Watch Costs are identified as daily total uplift costs
- 2) At a minimum those days with \$ 100 K/HR, shortfall of \$ 200 K/Day or more, or surplus of \$ 100 K/Day or more are investigated
- 3) Uplift costs associated with multiple event types are apportioned equally by hour
- 4) Investigations began with Dec 2008. Prior months are reported as Not Investigated.



Day-Ahead Market Congestion Residual Categories

<u>Category</u>	<u>Cost Assignment</u>	<u>Events Types</u>	<u>Event Examples</u>
 NYTO Outage Allocation	Responsible TO	Direct allocation to NYTO's responsible for transmission equipment status change.	DAM scheduled outage for equipment modeled in-service for the TCC Auction.
 Unscheduled Loop Flows	All TO by Monthly Allocation Factor	Residual impact of Lake Erie circulation, MW difference between the DAM and TCC Auction.	Lake Erie Loop Flow Assumptions
 External Outage Allocation	All TO by Monthly Allocation Factor	Direct allocation to transmission equipment status change caused by change in status of external equipment.	Tie line required out-of-service by TO of neighboring control area.
 Central East Commitment Derate	All TO by Monthly Allocation Factor	Reductions in the DAM Central East_VC limit as compared to the TCC Auction limit, which are not associated with transmission line outages.	