
NYISO CEO/COO Report

*Management Committee Meeting
September 29, 2010*

Agenda #3

Report Items

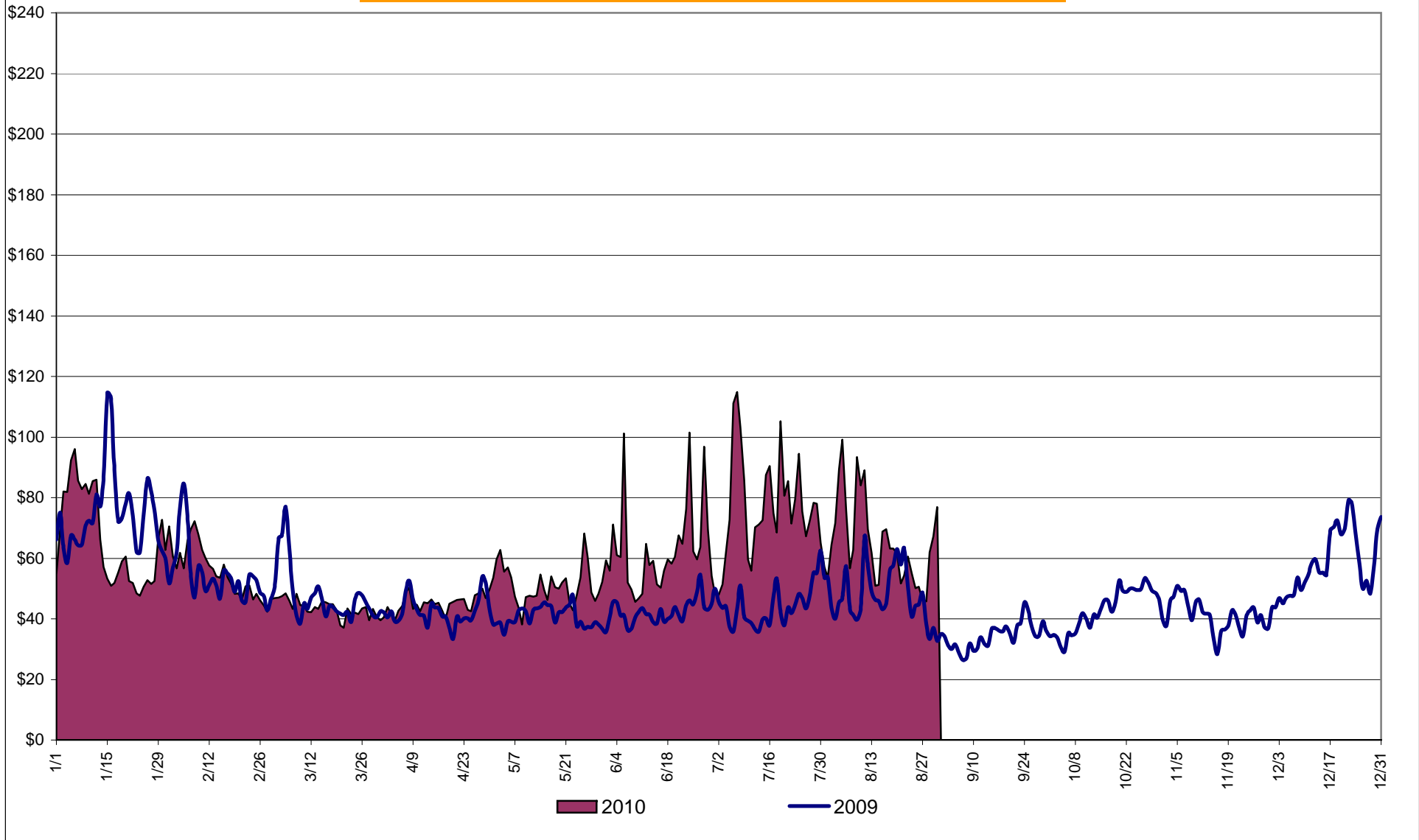
COO Report

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

Market Performance Highlights for August 2010

- **LBMP for August is \$64.99/MWh, down from \$74.85/MWh in July 2010.**
 - Average monthly cost is \$67.69/MWh, down from \$78.45/MWh in July 2010.
 - Day Ahead and Real Time LBMPs have decreased from July 2010.
- **Average daily sendout is 514GWh/day in August, down from 558GWh/day in July 2010 and higher than the August 2009 sendout of 511GWh/day.**
- **Natural Gas prices are down while distillates are up compared to last month.**
 - Kerosene is \$15.81/MMBtu, up from \$15.39/MMBtu in July.
 - No. 2 Fuel Oil is \$14.36/MMBtu, up from \$14.03/MMBtu in July.
 - No. 6 Fuel Oil is \$12.15/MMBtu, up from \$11.49/MMBtu in July.
 - Natural Gas is \$4.69/MMBtu, down from \$5.07/MMBtu in July.
- **Uplift per MWh is down from the previous month.**
 - Uplift (not including NYISO cost of operations) is \$0.42/MWh, down from \$0.97/MWh in July:
 - The TSA Share is \$0.02/MWh
 - The Local Reliability Share is \$0.31/MWh
 - The Other Share is \$0.09/MWh
 - Total uplift (Schedule 1 components including NYISO Cost of Operations) is lower than in July.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)*
 2009 Annual Average \$48.68/MWh
 August 2009 YTD Average \$50.57/MWh
 August 2010 YTD Average \$61.27/MWh



* Excludes ICAP payments.

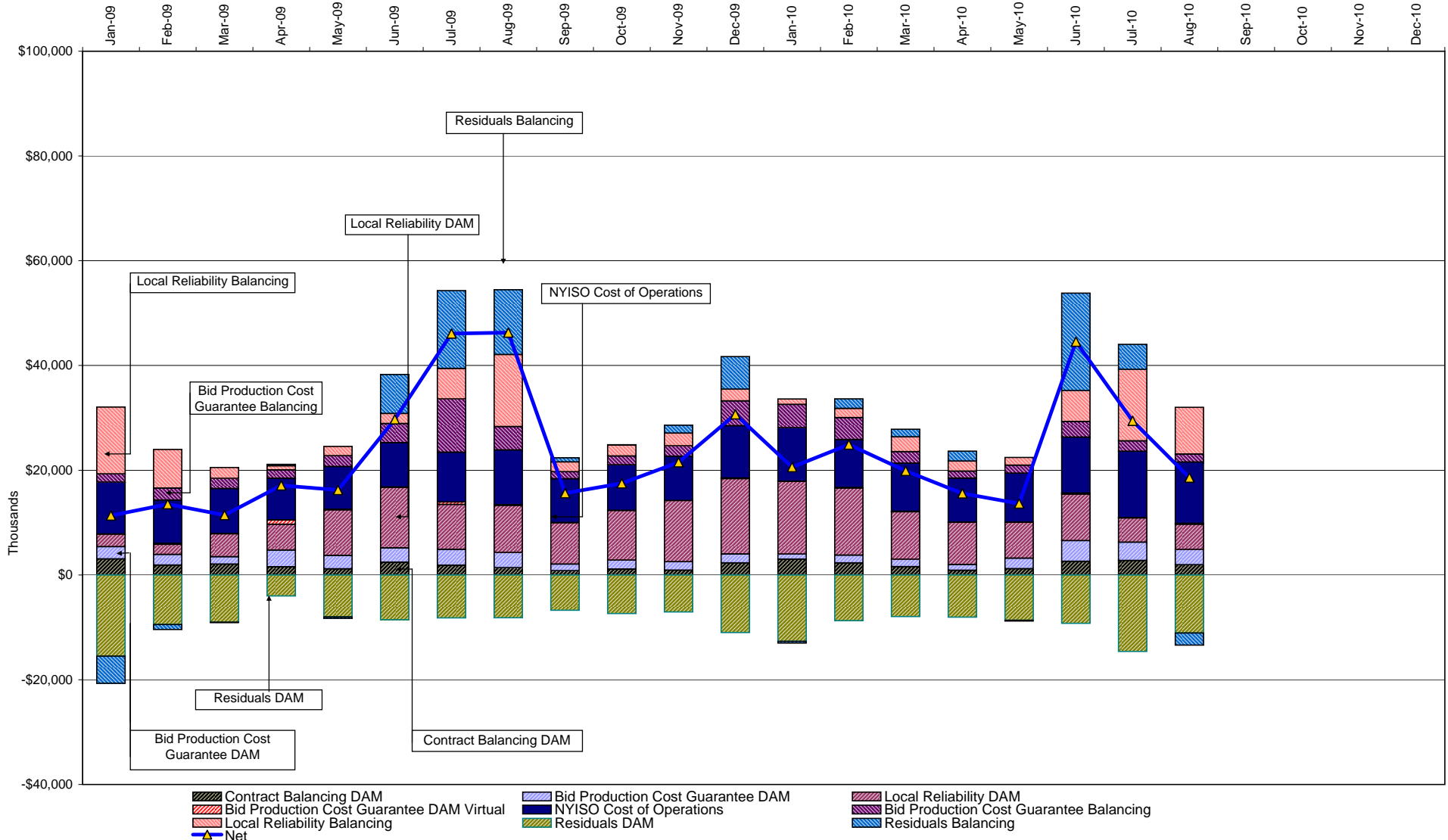
NYISO Average Cost/MWh (Energy and Ancillary Services) *
from the LBMP Customer point of view

| 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 | 74.85 | 64.99 | | | | |
| NTAC | 0.70 | 0.77 | 0.88 | 1.19 | 0.95 | 1.46 | 0.95 | 0.60 | | | | |
| Reserve | 0.19 | 0.17 | 0.26 | 0.29 | 0.32 | 0.14 | 0.21 | 0.18 | | | | |
| Regulation | 0.44 | 0.37 | 0.40 | 0.32 | 0.30 | 0.31 | 0.32 | 0.35 | | | | |
| NYISO Cost of Operations | 0.71 | 0.71 | 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 | 0.97 | 0.42 | | | | |
| Uplift: TSA Share | - | - | - | - | 0.03 | 0.69 | 0.29 | 0.02 | | | | |
| Uplift: Local Reliability Share | 0.53 | 0.72 | 0.49 | 0.39 | 0.19 | 0.76 | 0.60 | 0.31 | | | | |
| Uplift: Other Share | 0.20 | 0.50 | 0.33 | 0.22 | 0.10 | 0.86 | 0.08 | 0.09 | | | | |
| Voltage Support and Black Start | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | 0.44 | | | | |
| Avg Monthly Cost | 67.11 | 56.13 | 43.71 | 45.13 | 51.87 | 64.46 | 78.45 | 67.69 | | | | |
| | | | | | | | | | | | | |
| Avg YTD Cost | 67.11 | 62.05 | 56.30 | 53.63 | 53.28 | 55.47 | 60.12 | 61.27 | | | | |
| | | | | | | | | | | | | |
| 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 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 |
| 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 August 31, 2010



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

NYISO Markets Transactions

| 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 | 16,608,041 | 15,536,711 | | | | |
| DAM LSE Internal LBMP Energy Sales | 49% | 46% | 47% | 53% | 47% | 49% | 53% | 51% | | | | |
| DAM External TC LBMP Energy Sales | 2% | 3% | 1% | 1% | 1% | 2% | 3% | 2% | | | | |
| DAM Bilateral - Internal Bilaterals | 41% | 43% | 43% | 39% | 44% | 42% | 38% | 40% | | | | |
| DAM Bilateral - Import/Non-LBMP Market Bilaterals | 6% | 5% | 5% | 4% | 5% | 5% | 4% | 4% | | | | |
| DAM Bilateral - Export/Non-LBMP Market Bilaterals | 1% | 1% | 2% | 2% | 2% | 1% | 1% | 1% | | | | |
| DAM Bilateral - Wheel Through Bilaterals | 2% | 1% | 1% | 1% | 1% | 1% | 1% | 1% | | | | |
| Balancing Energy Market MWh | 377,242 | 280,238 | 21,148 | 637 | 341,742 | 735,521 | 1,162,690 | 899,978 | | | | |
| Balancing Energy LSE Internal LBMP Energy Sales | 40% | 53% | -427% | -14017% | 61% | 87% | 94% | 75% | | | | |
| Balancing Energy External TC LBMP Energy Sales | 56% | 50% | 593% | 17099% | 44% | 11% | 9% | 26% | | | | |
| Balancing Energy Bilateral - Internal Bilaterals | 10% | 7% | 191% | 6847% | 7% | 10% | 3% | 4% | | | | |
| Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals | 0% | 0% | 2% | 35% | 1% | 0% | 0% | 0% | | | | |
| Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals | 7% | 8% | 117% | 3606% | 6% | 3% | 1% | 2% | | | | |
| Balancing Energy Bilateral - Wheel Through Bilaterals | -12% | -18% | -376% | -13470% | -19% | -10% | -7% | -7% | | | | |
| Transactions Summary | | | | | | | | | | | | |
| LBMP | 52% | 50% | 49% | 54% | 50% | 54% | 59% | 56% | | | | |
| Internal Bilaterals | 40% | 43% | 43% | 39% | 43% | 40% | 36% | 38% | | | | |
| Import Bilaterals | 5% | 5% | 5% | 4% | 5% | 5% | 4% | 4% | | | | |
| Export Bilaterals | 2% | 2% | 2% | 2% | 2% | 1% | 1% | 1% | | | | |
| Wheels Through | 1% | 1% | 1% | 1% | 0% | 0% | 0% | 0% | | | | |
| Market Share of Total Load | | | | | | | | | | | | |
| Day Ahead Market | 97.4% | 97.8% | 99.8% | 100.0% | 97.4% | 95.1% | 93.5% | 94.5% | | | | |
| Balancing Energy + | 2.6% | 2.2% | 0.2% | 0.0% | 2.6% | 4.9% | 6.5% | 5.5% | | | | |
| Total MWh | 14,412,023 | 12,873,543 | 12,944,078 | 11,770,104 | 13,136,851 | 14,999,065 | 17,770,731 | 16,436,689 | | | | |
| Average Daily Energy Sendout/Month GWh | 451 | 444 | 410 | 387 | 415 | 491 | 558 | 514 | | | | |

| 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 | \$66.67 | \$57.80 | | | | |
| Standard Deviation | \$20.86 | \$13.07 | \$7.78 | \$8.09 | \$11.45 | \$16.14 | \$28.01 | \$21.60 | | | | |
| Load Weighted Price ** | \$62.80 | \$51.71 | \$39.60 | \$41.18 | \$47.04 | \$55.22 | \$71.08 | \$61.16 | | | | |
| <u>RTC LBMP</u> | | | | | | | | | | | | |
| Price * | \$59.32 | \$49.38 | \$37.94 | \$40.58 | \$46.70 | \$58.69 | \$68.36 | \$55.78 | | | | |
| Standard Deviation | \$33.92 | \$24.97 | \$14.48 | \$13.84 | \$21.47 | \$58.47 | \$51.68 | \$48.01 | | | | |
| Load Weighted Price ** | \$60.85 | \$50.16 | \$38.64 | \$41.54 | \$48.31 | \$61.91 | \$72.92 | \$59.07 | | | | |
| <u>REAL TIME LBMP</u> | | | | | | | | | | | | |
| Price * | \$60.40 | \$50.45 | \$38.09 | \$40.49 | \$47.17 | \$58.49 | \$69.42 | \$56.28 | | | | |
| Standard Deviation | \$42.06 | \$30.38 | \$19.24 | \$17.00 | \$28.15 | \$56.05 | \$56.60 | \$41.46 | | | | |
| Load Weighted Price ** | \$63.13 | \$51.69 | \$39.19 | \$41.62 | \$49.38 | \$63.06 | \$75.08 | \$60.89 | | | | |
| Average Daily Energy Sendout/Month GWh | 451 | 444 | 410 | 387 | 415 | 491 | 558 | 514 | | | | |

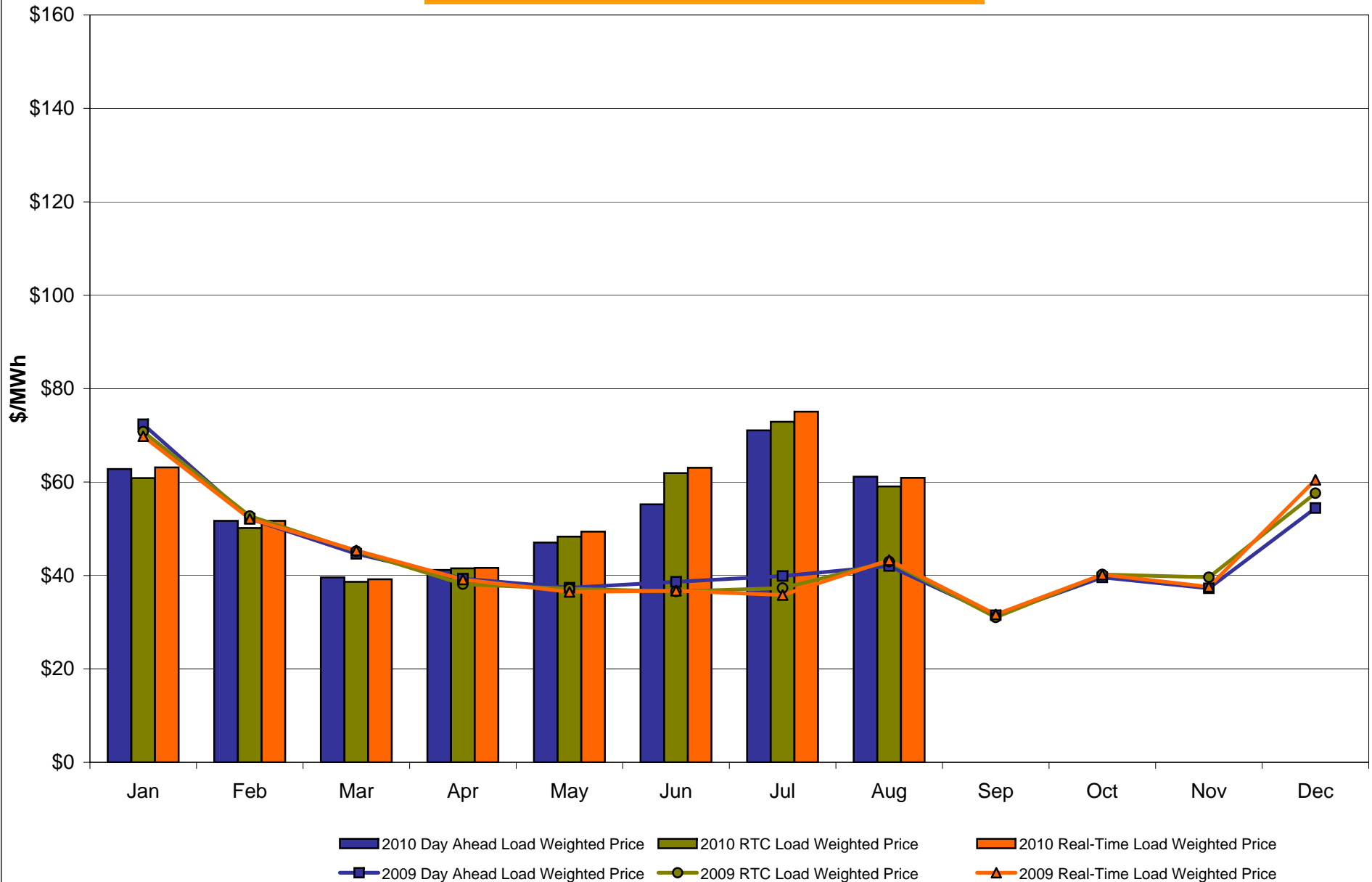
NYISO Markets 2009 Energy Statistics

| | <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

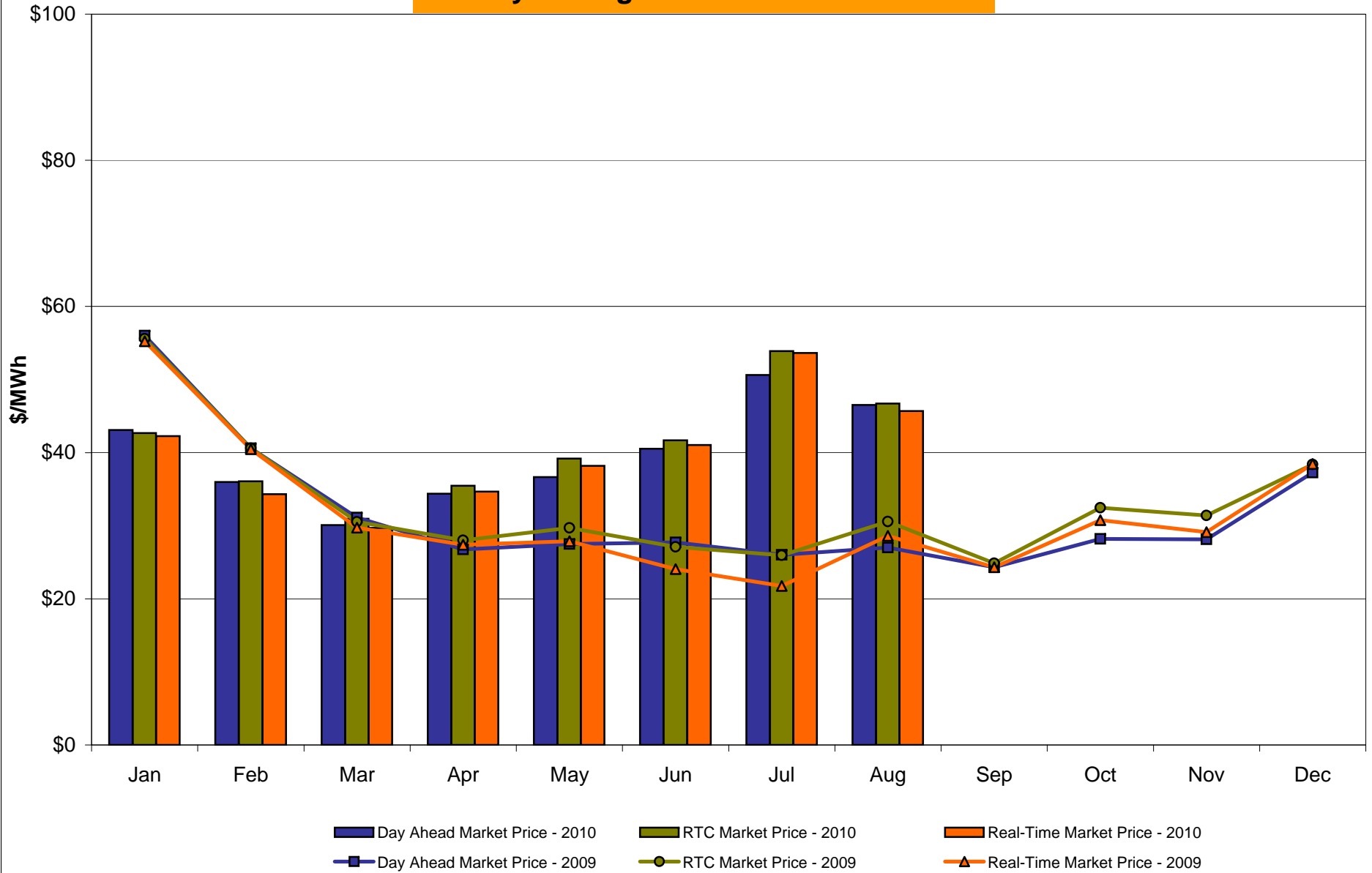


August 2010 Zonal LBMP Statistics for NYISO (\$/MWh)

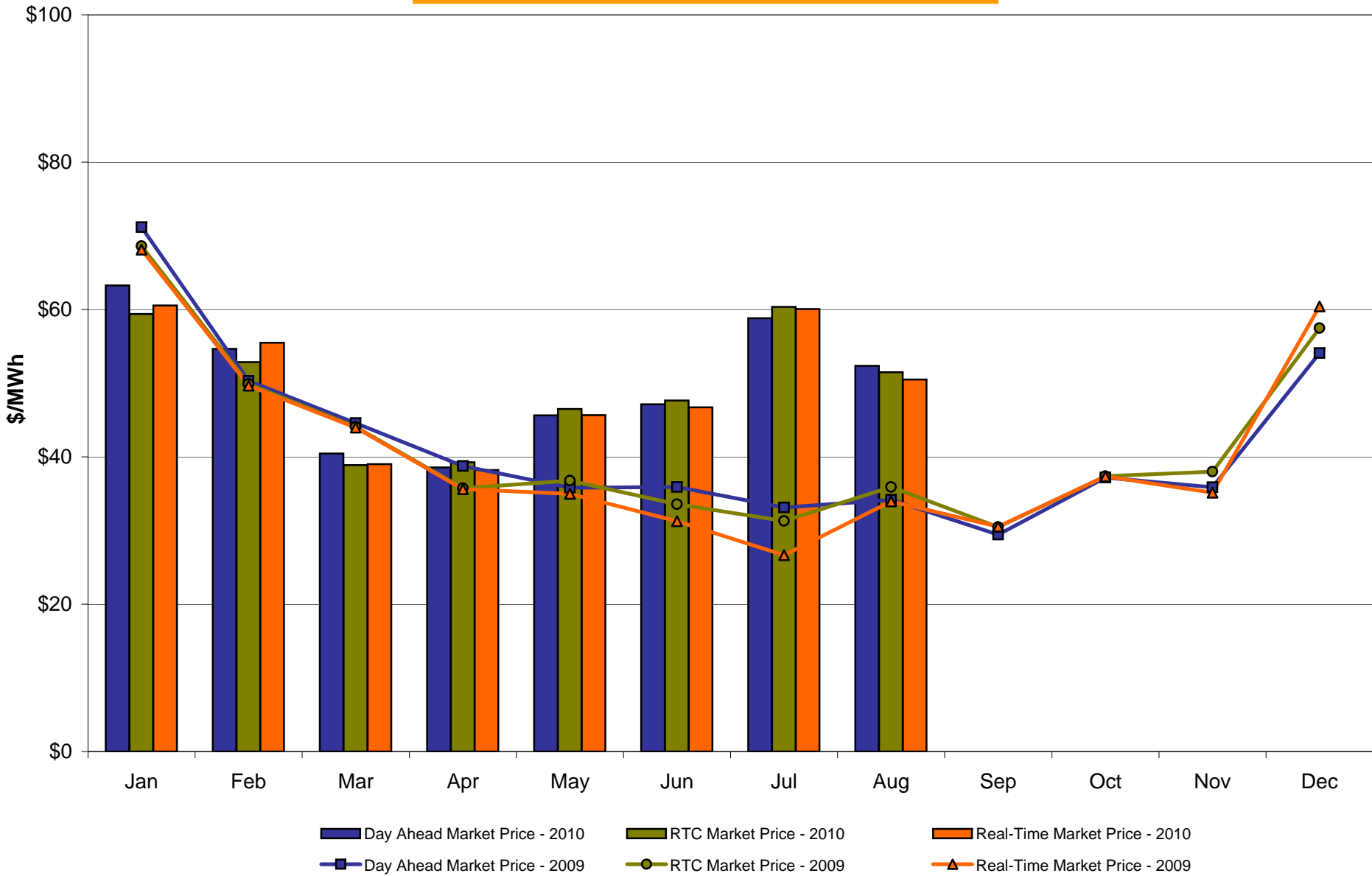
| | WEST | GENESEE | NORTH | CENTRAL | MOHAWK | CAPITAL | HUDSON | MILLWOOD | DUNWOODIE | NEW YORK | LONG |
|------------------------------|----------------------|----------------------|------------------------|----------------------|----------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| | <u>Zone A</u> | <u>Zone B</u> | <u>Zone D</u> | <u>Zone C</u> | <u>Zone E</u> | <u>Zone F</u> | <u>Zone G</u> | <u>Zone H</u> | <u>Zone I</u> | <u>Zone J</u> | <u>Zone K</u> |
| <u>DAY AHEAD LBMP</u> | | | | | | | | | | | |
| Unweighted Price * | 46.52 | 48.63 | 48.36 | 49.28 | 51.33 | 52.34 | 56.78 | 57.62 | 57.78 | 62.47 | 67.32 |
| Standard Deviation | 12.42 | 13.41 | 12.17 | 13.71 | 14.60 | 15.18 | 22.22 | 24.55 | 24.73 | 25.08 | 33.62 |
| <u>RTC LBMP</u> | | | | | | | | | | | |
| Unweighted Price * | 46.73 | 48.49 | 48.14 | 49.03 | 50.73 | 51.50 | 54.72 | 55.20 | 55.36 | 57.76 | 67.62 |
| Standard Deviation | 28.42 | 30.27 | 29.23 | 30.89 | 33.29 | 34.22 | 51.82 | 56.93 | 57.37 | 56.94 | 70.45 |
| <u>REAL TIME LBMP</u> | | | | | | | | | | | |
| Unweighted Price * | 45.70 | 47.43 | 47.12 | 47.91 | 49.66 | 50.49 | 54.29 | 54.86 | 55.04 | 57.90 | 72.97 |
| Standard Deviation | 27.45 | 29.08 | 27.87 | 29.51 | 31.08 | 31.94 | 43.25 | 46.99 | 47.32 | 47.73 | 70.61 |
| | ONTARIO | HYDRO | HYDRO | | NEW | CROSS | NORTHPORT- | | | | |
| | IESO | QUEBEC | QUEBEC | PJM | ENGLAND | SOUND | NORWALK | NEPTUNE | LINDEN VFT | Dennison | |
| | | (Wheel) | (Import/Export) | | | CABLE | | | | | |
| | <u>Zone O</u> | <u>Zone M</u> | <u>Zone M</u> | <u>Zone P</u> | <u>Zone N</u> | <u>Controllable</u> | <u>Controllable</u> | <u>Controllable</u> | <u>Controllable</u> | <u>Controllable</u> | <u>Controllable</u> |
| | | | | | | <u>Line</u> | <u>Line</u> | <u>Line</u> | <u>Line</u> | <u>Line</u> | |
| <u>DAY AHEAD LBMP</u> | | | | | | | | | | | |
| Unweighted Price * | 45.89 | 48.67 | 48.57 | 52.47 | 53.89 | 66.66 | 52.13 | 66.05 | 54.53 | 48.07 | |
| Standard Deviation | 11.93 | 12.64 | 12.59 | 19.21 | 18.13 | 33.74 | 34.47 | 33.30 | 13.71 | 11.96 | |
| <u>RTC LBMP</u> | | | | | | | | | | | |
| Unweighted Price * | 44.92 | 29.90 | 29.21 | 50.48 | 51.24 | 63.04 | 61.24 | 63.02 | 50.38 | 39.81 | |
| Standard Deviation | 15.65 | 118.80 | 119.27 | 20.78 | 20.06 | 42.28 | 41.99 | 42.47 | 44.73 | 83.70 | |
| <u>REAL TIME LBMP</u> | | | | | | | | | | | |
| Unweighted Price * | 44.82 | 45.16 | 44.64 | 48.00 | 51.46 | 69.62 | 67.80 | 69.65 | 53.26 | 46.28 | |
| Standard Deviation | 20.06 | 19.36 | 18.38 | 24.17 | 24.64 | 58.45 | 58.15 | 58.62 | 24.75 | 19.48 | |

* Straight LBMP averages

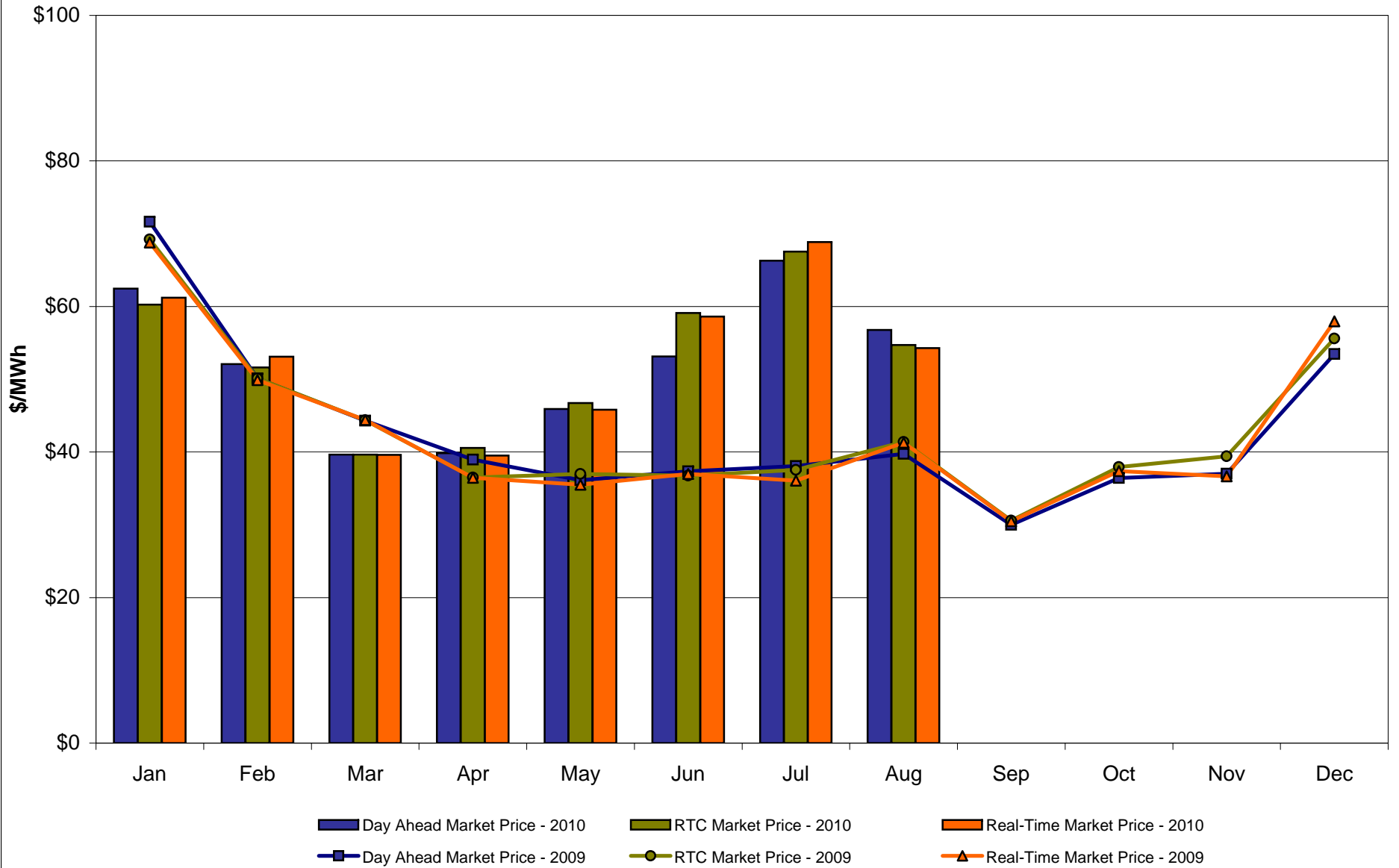
West Zone A Monthly Average LBMP Prices 2009 - 2010



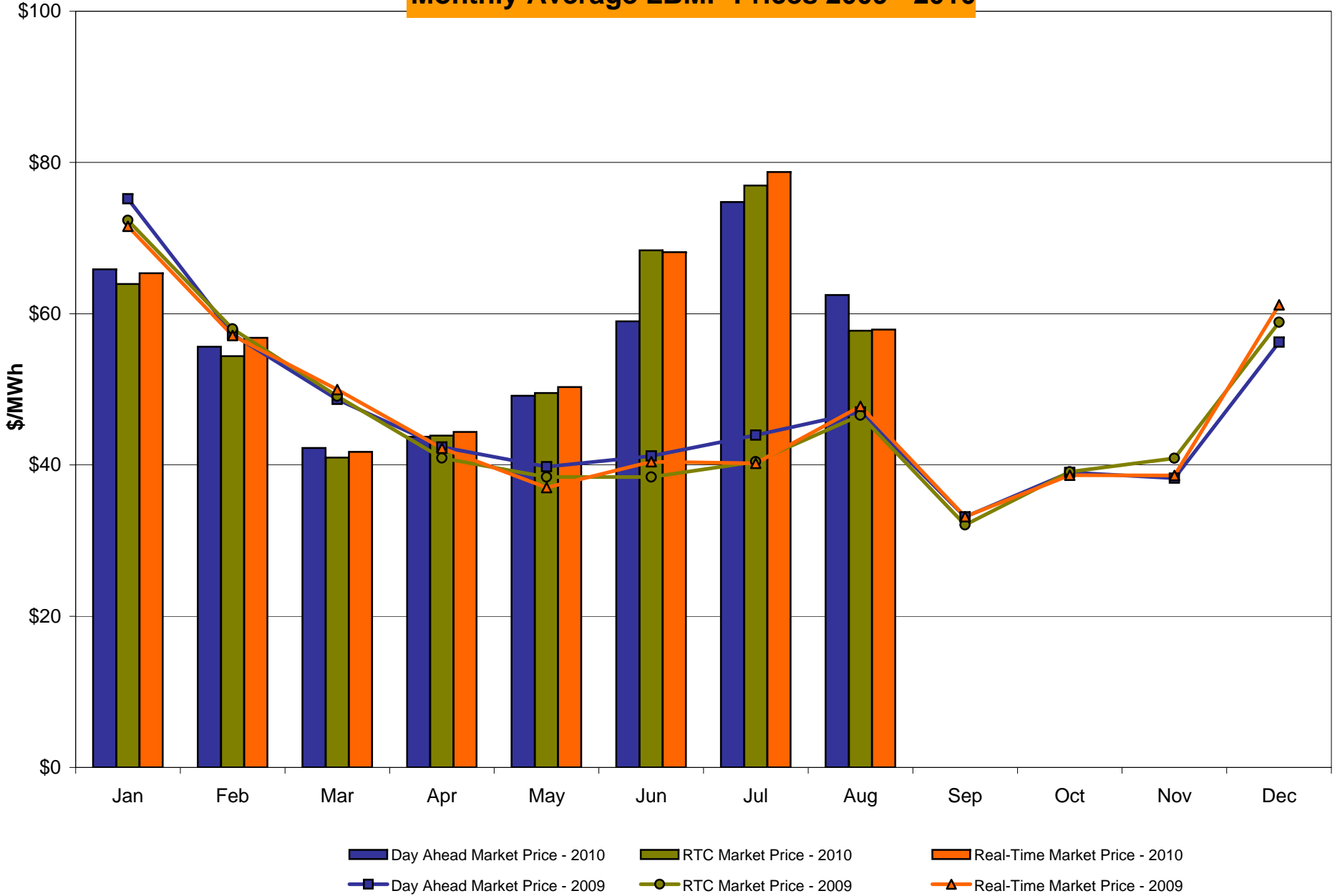
Capital Zone F Monthly Average LBMP Prices 2009 - 2010



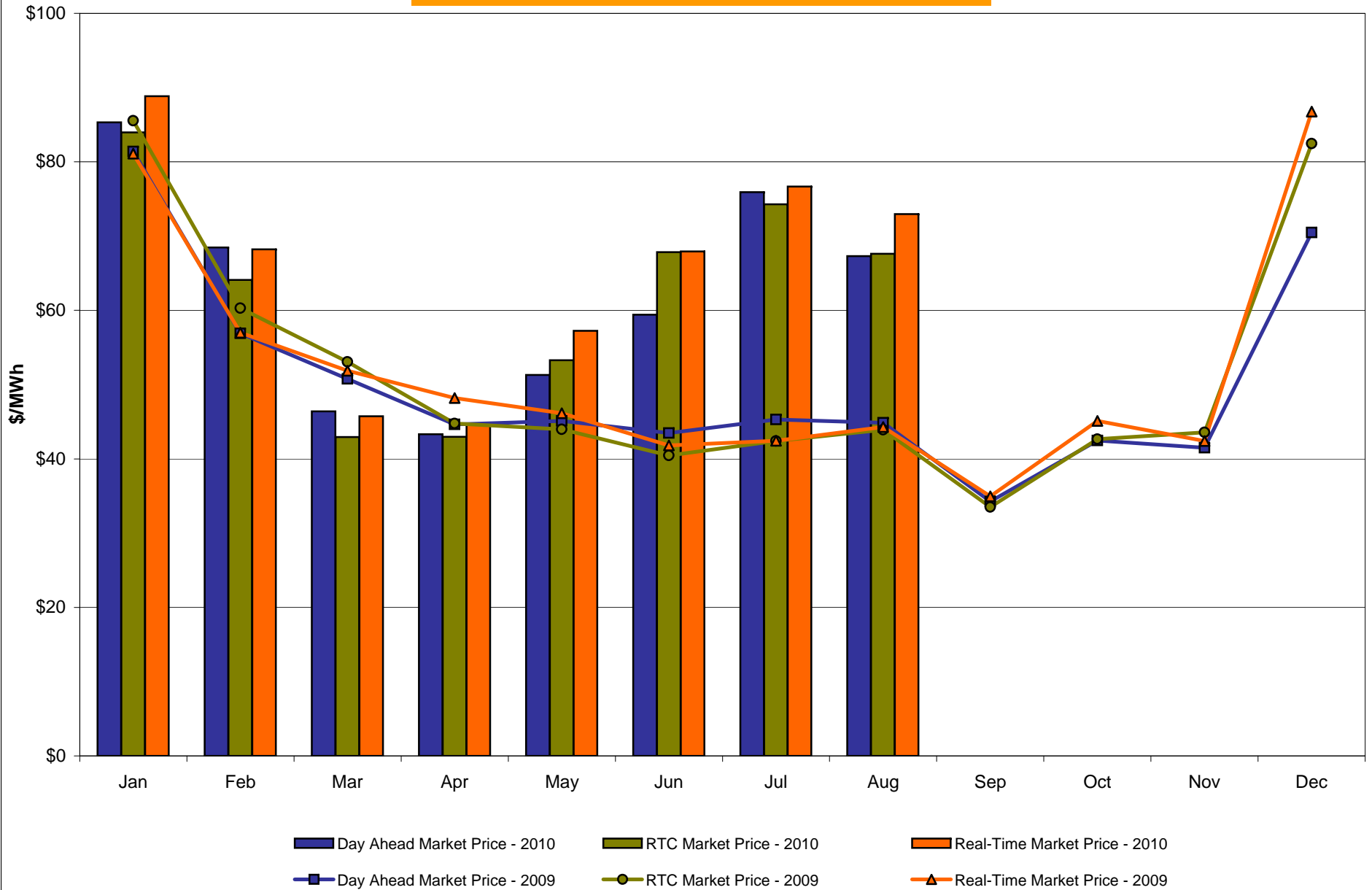
Hudson Valley Zone G Monthly Average LBMP Prices 2009 - 2010



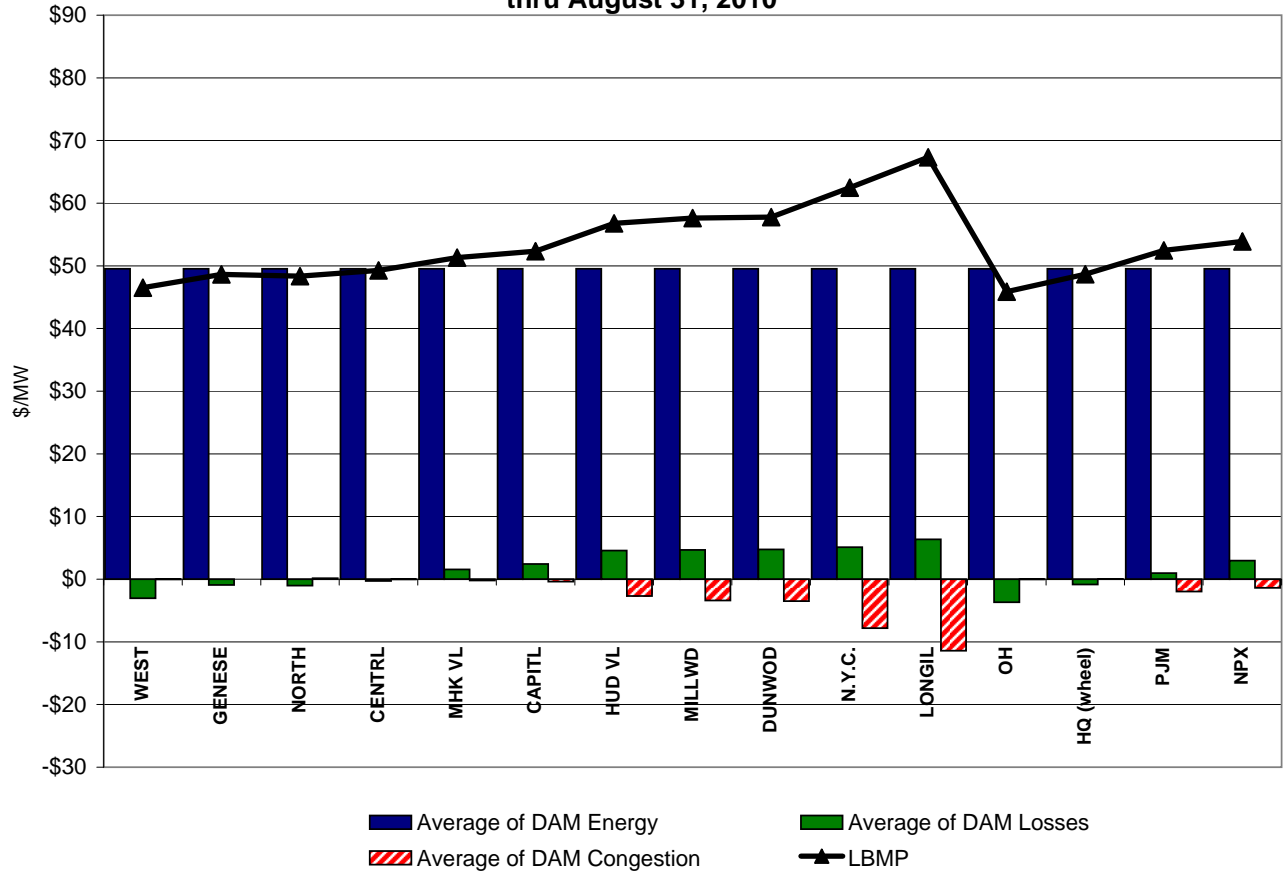
NYC Zone J Monthly Average LBMP Prices 2009 - 2010



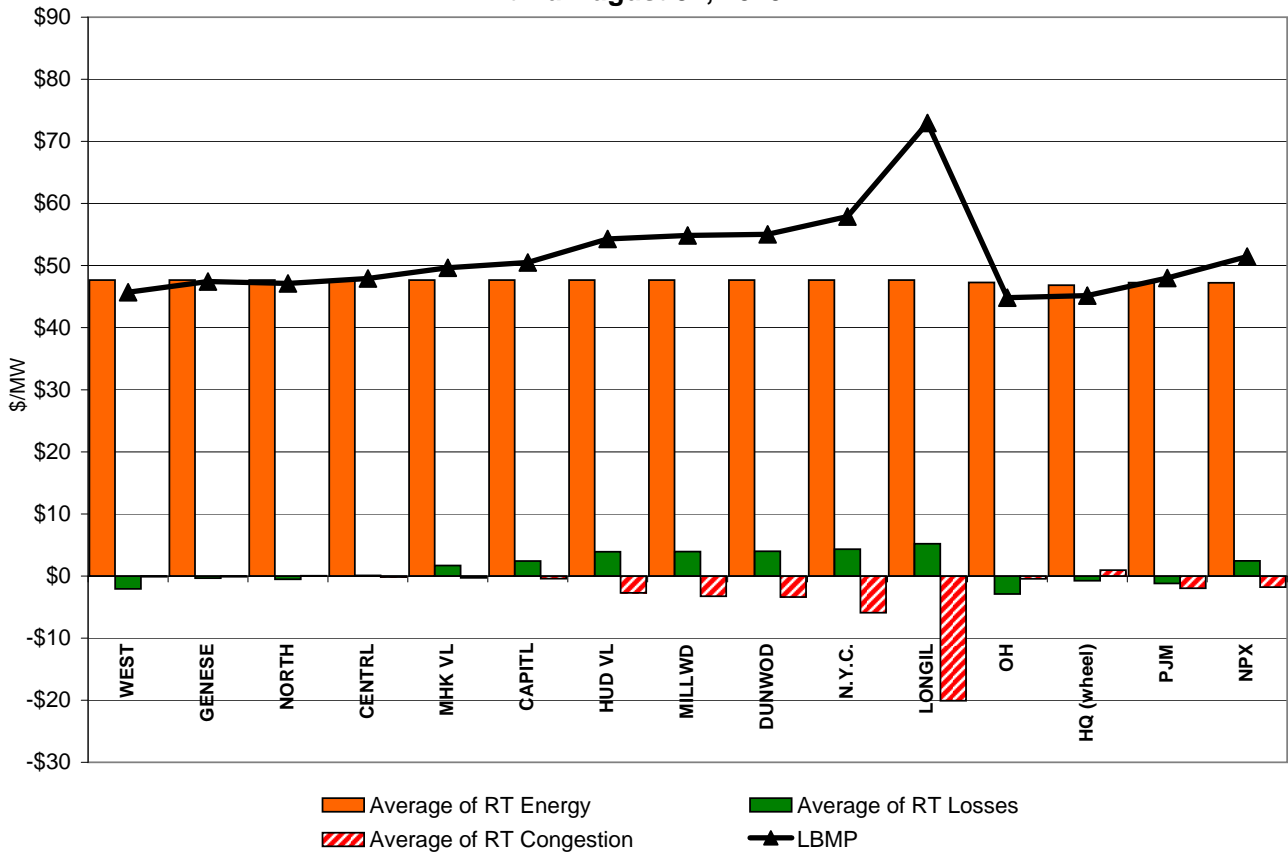
Long Island Zone K Monthly Average LBMP Prices 2009 - 2010



**DAM Zonal Unweighted Monthly Average LBMP Components
thru August 31, 2010**

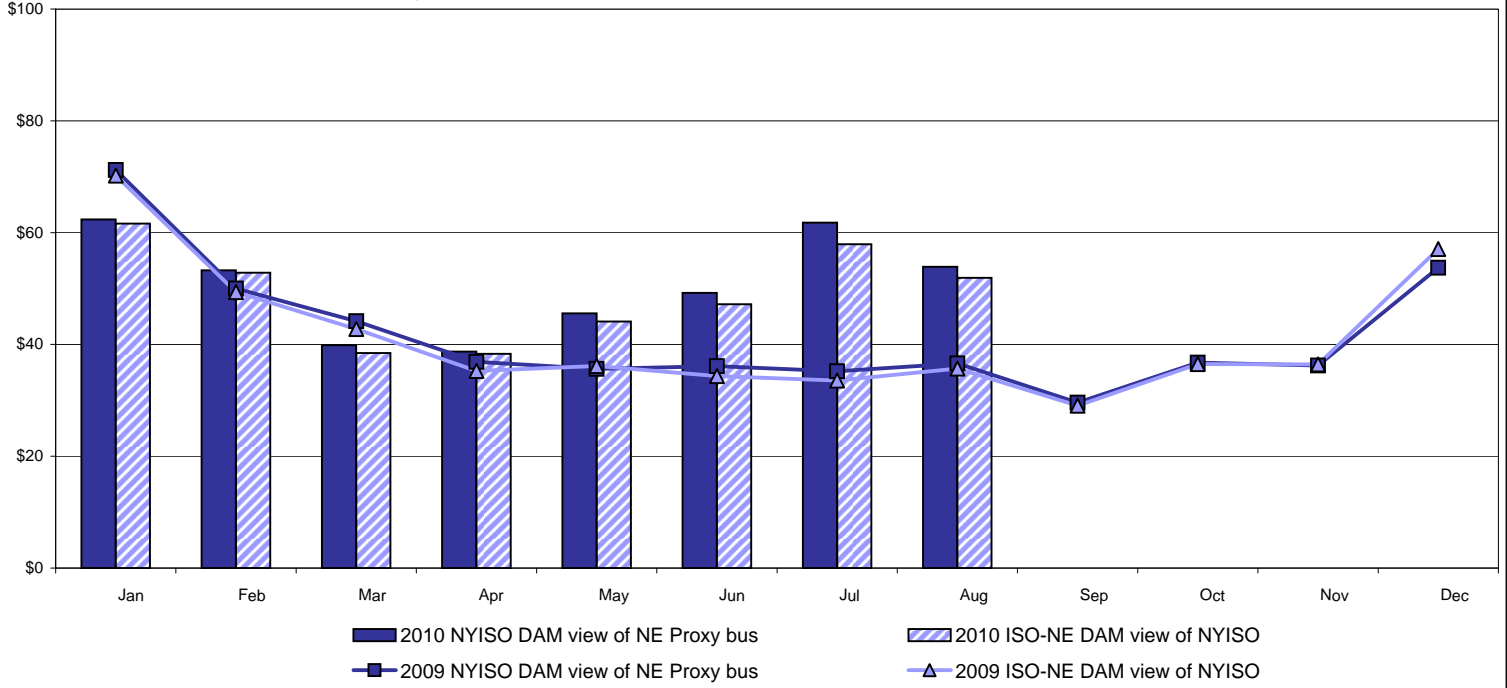


**RT Zonal Unweighted Monthly Average LBMP Components
thru August 31, 2010**

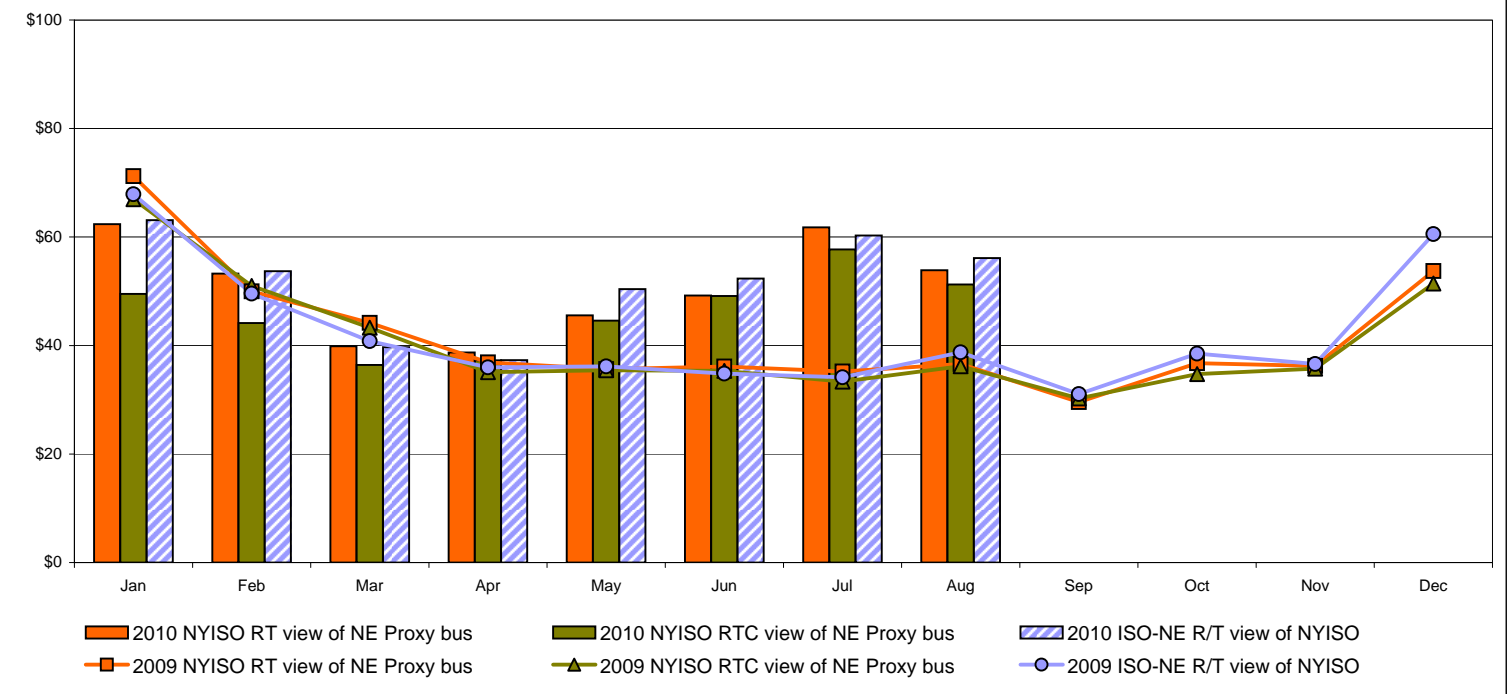


External Comparison ISO-New England

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

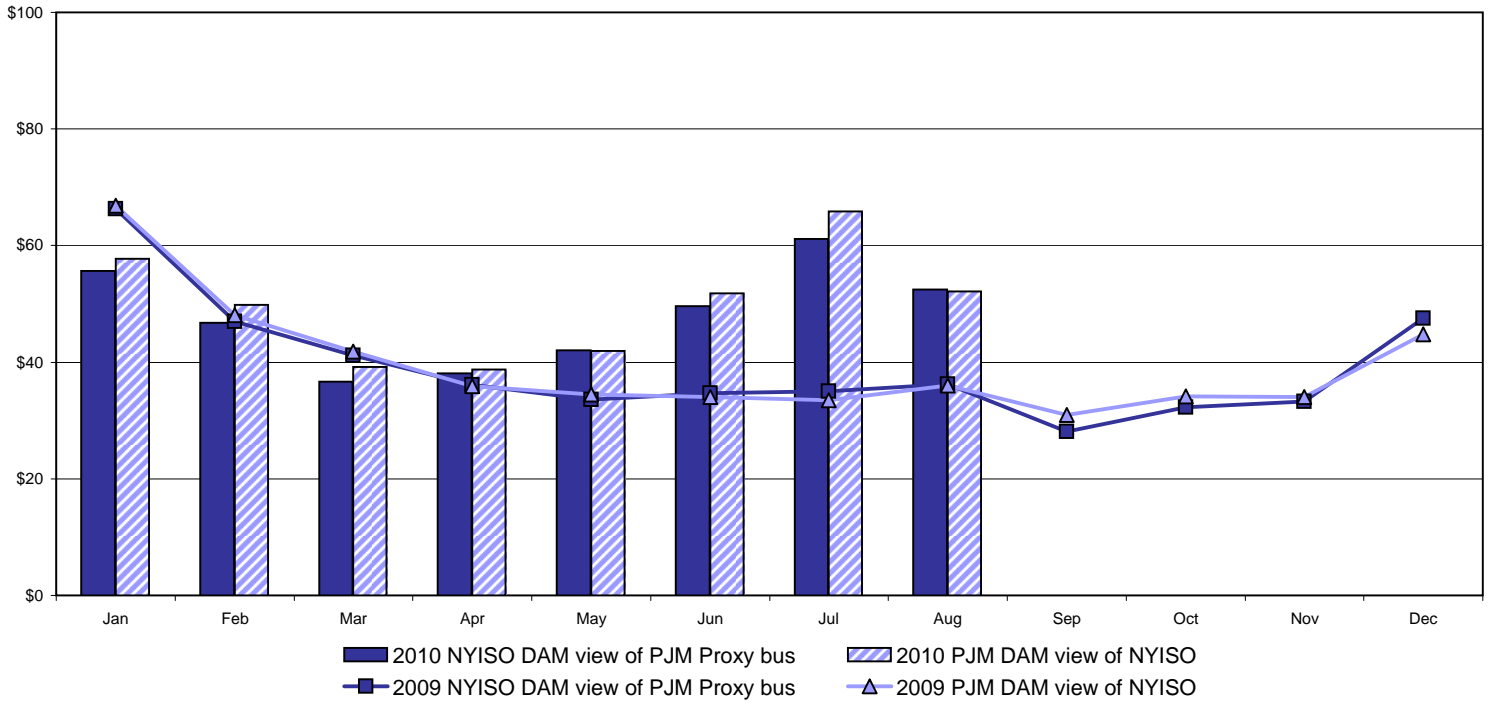


Real Time Market External Zone Comparison: ISO-NE (\$/MWh)

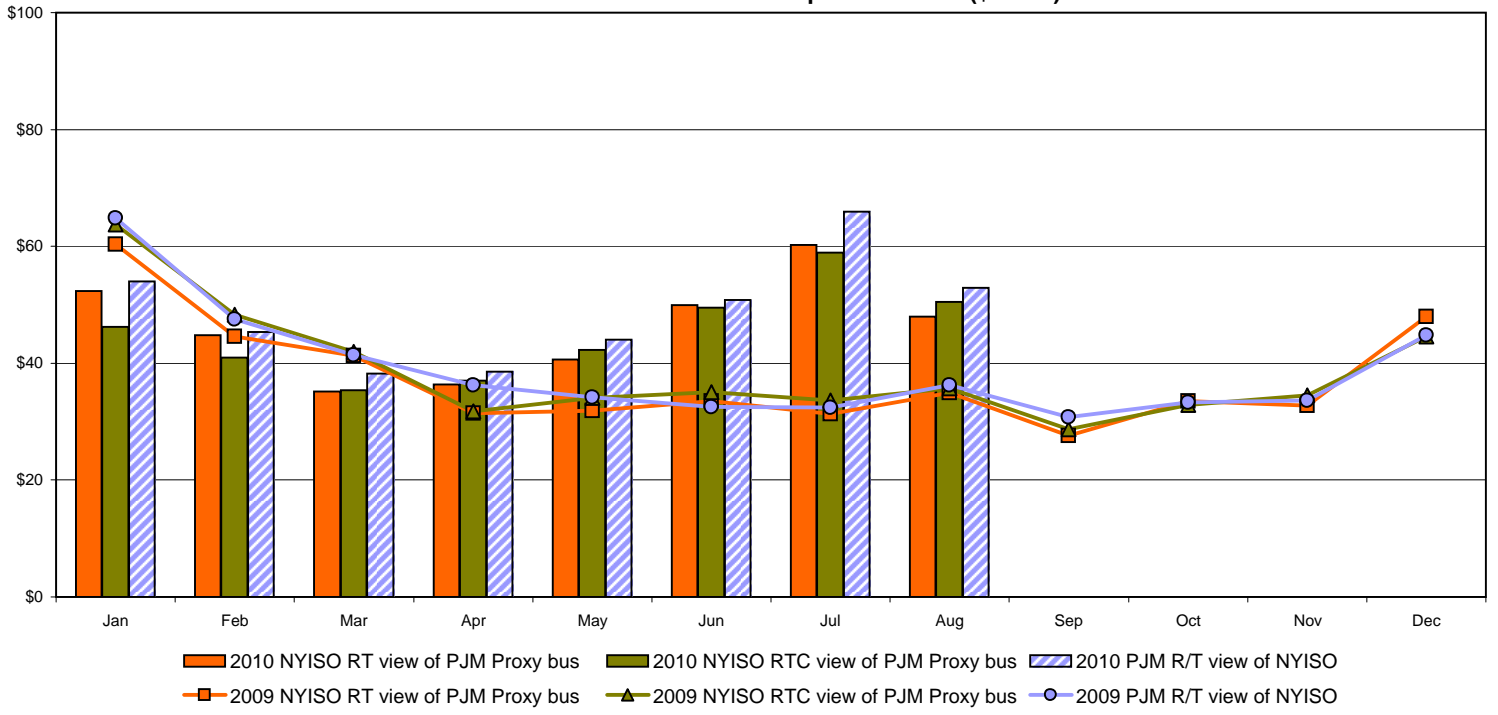


External Comparison PJM

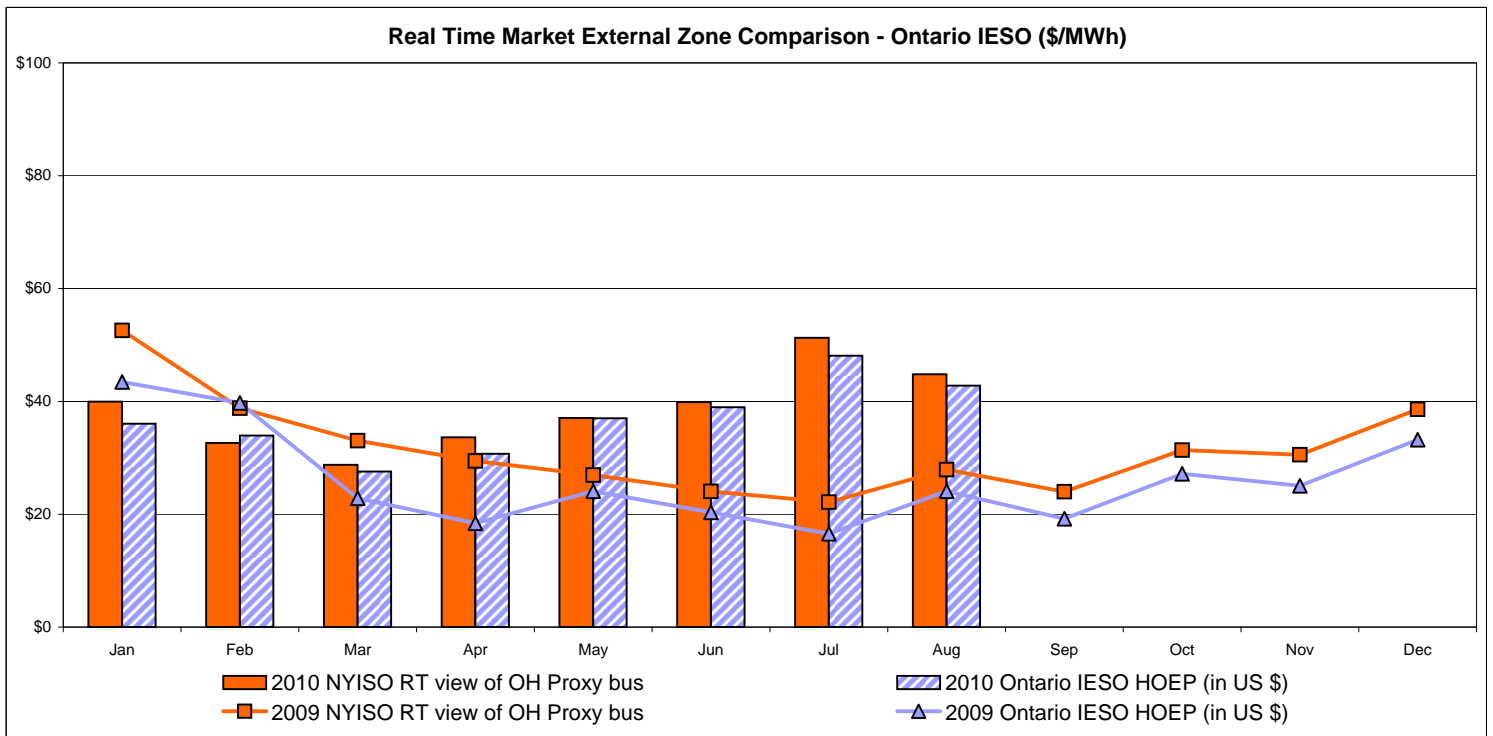
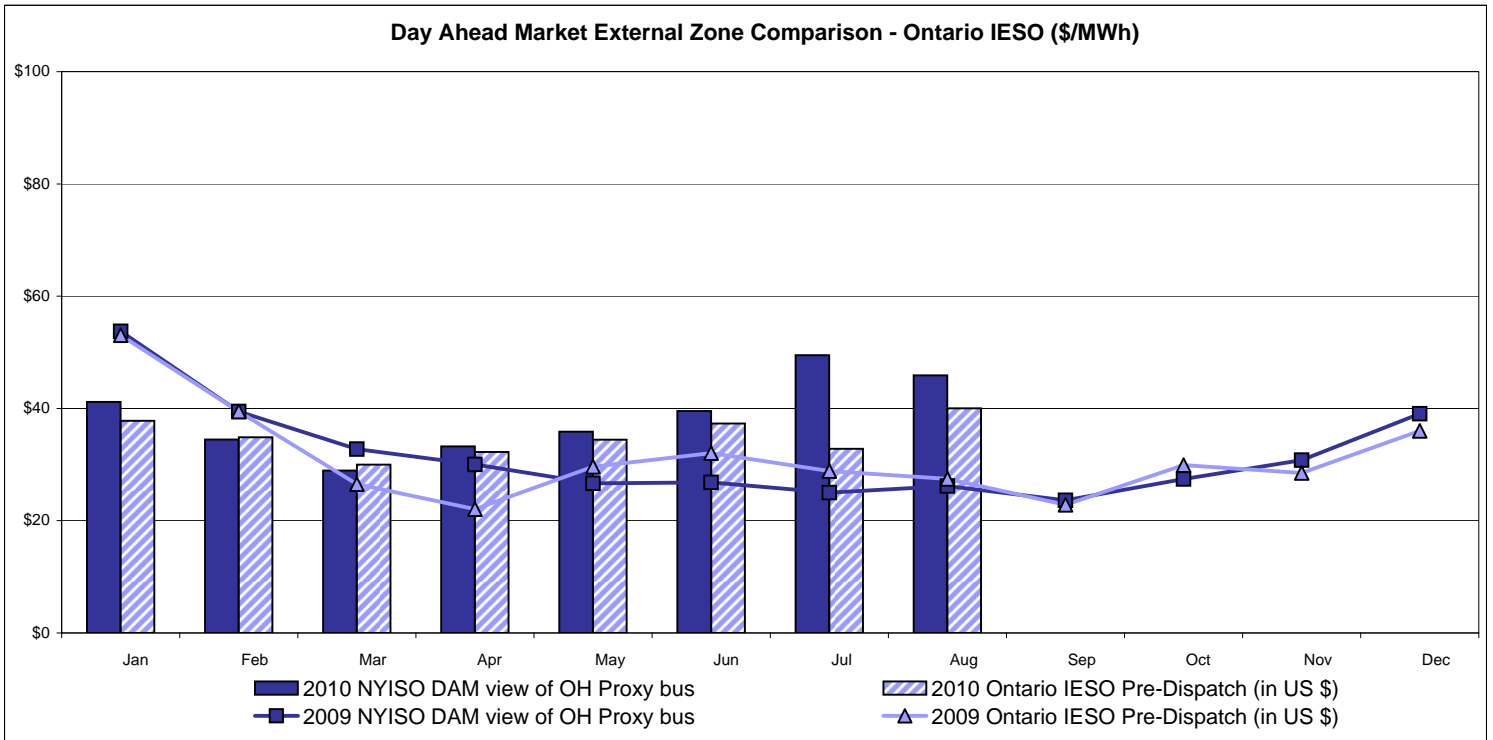
Day Ahead Market External Zone Comparison - PJM (\$/MWh)



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

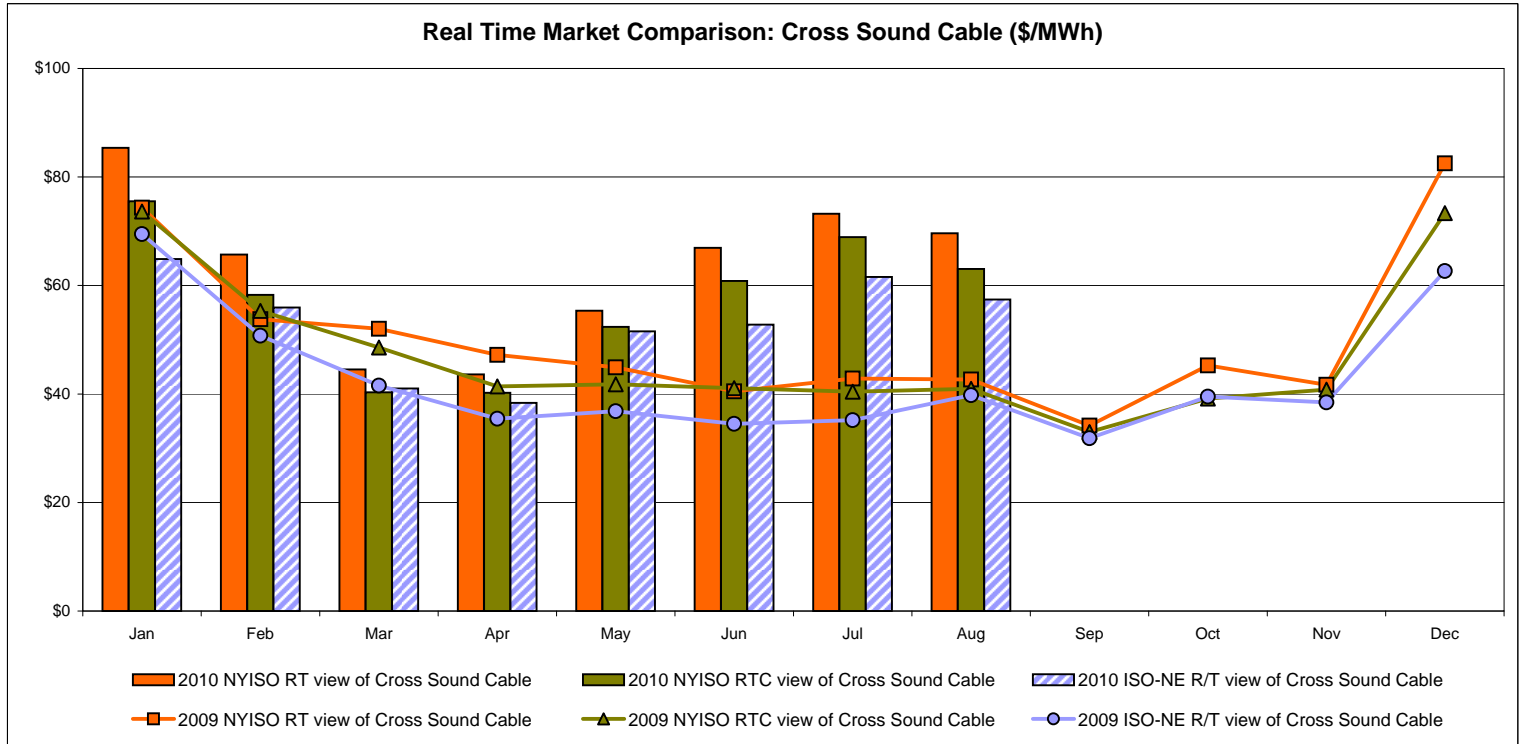
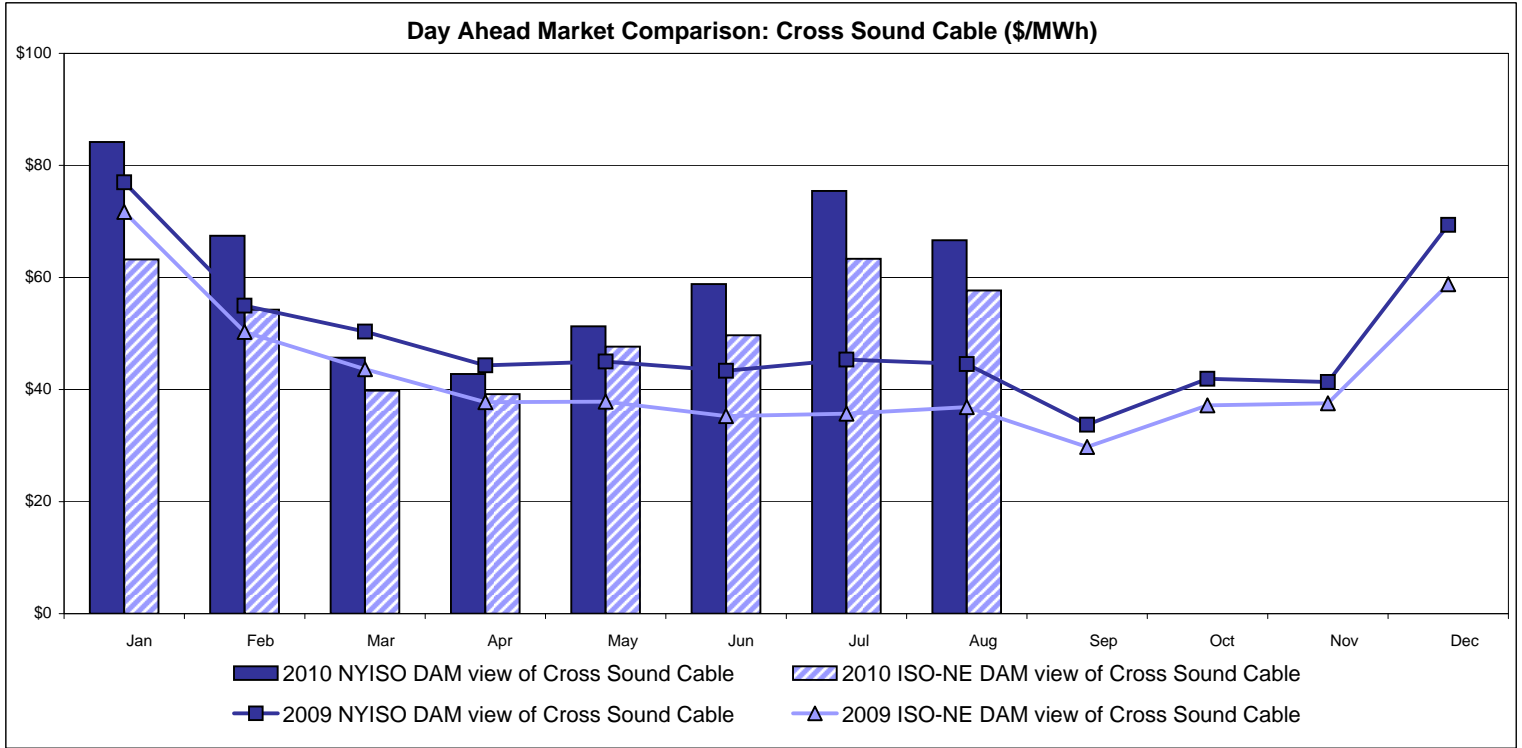


External Comparison Ontario IESO



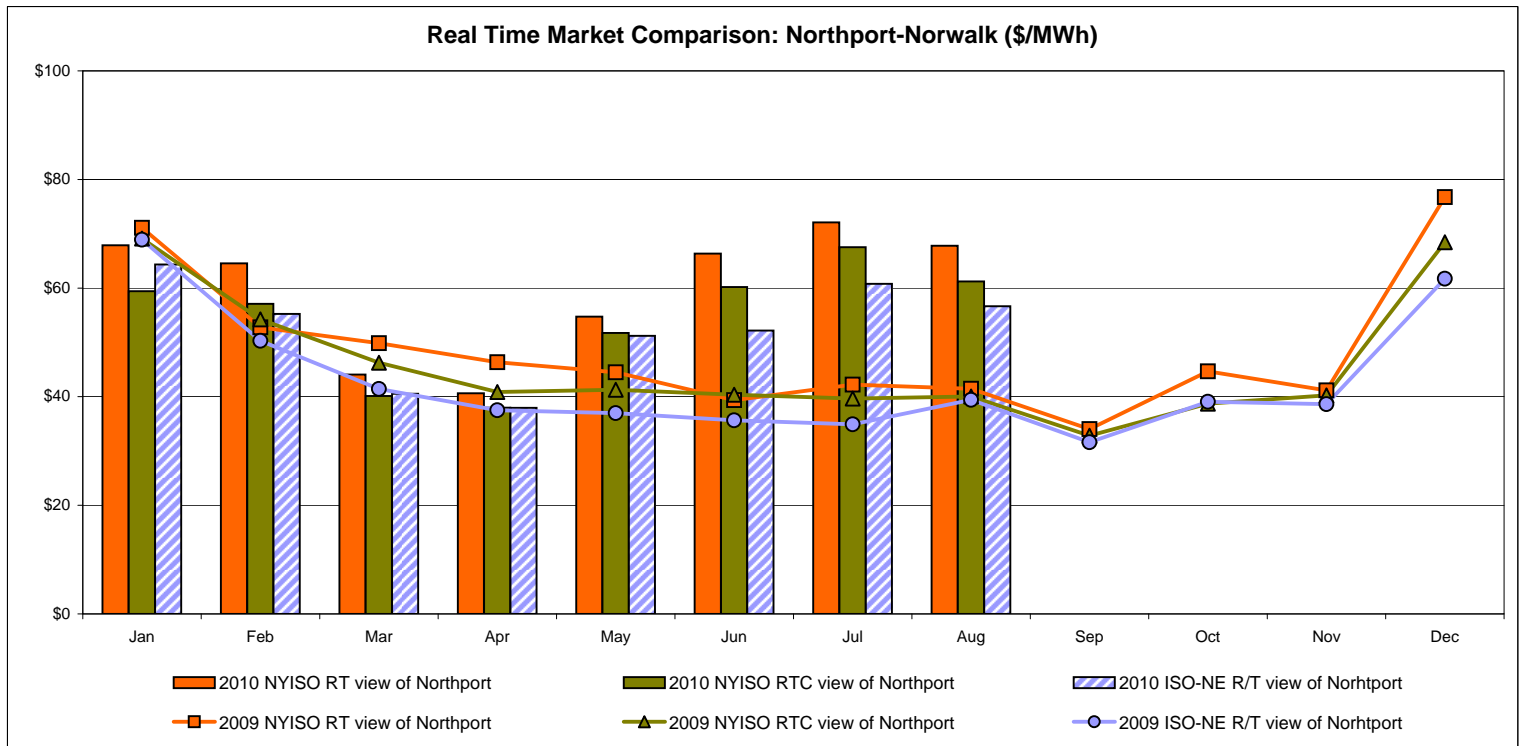
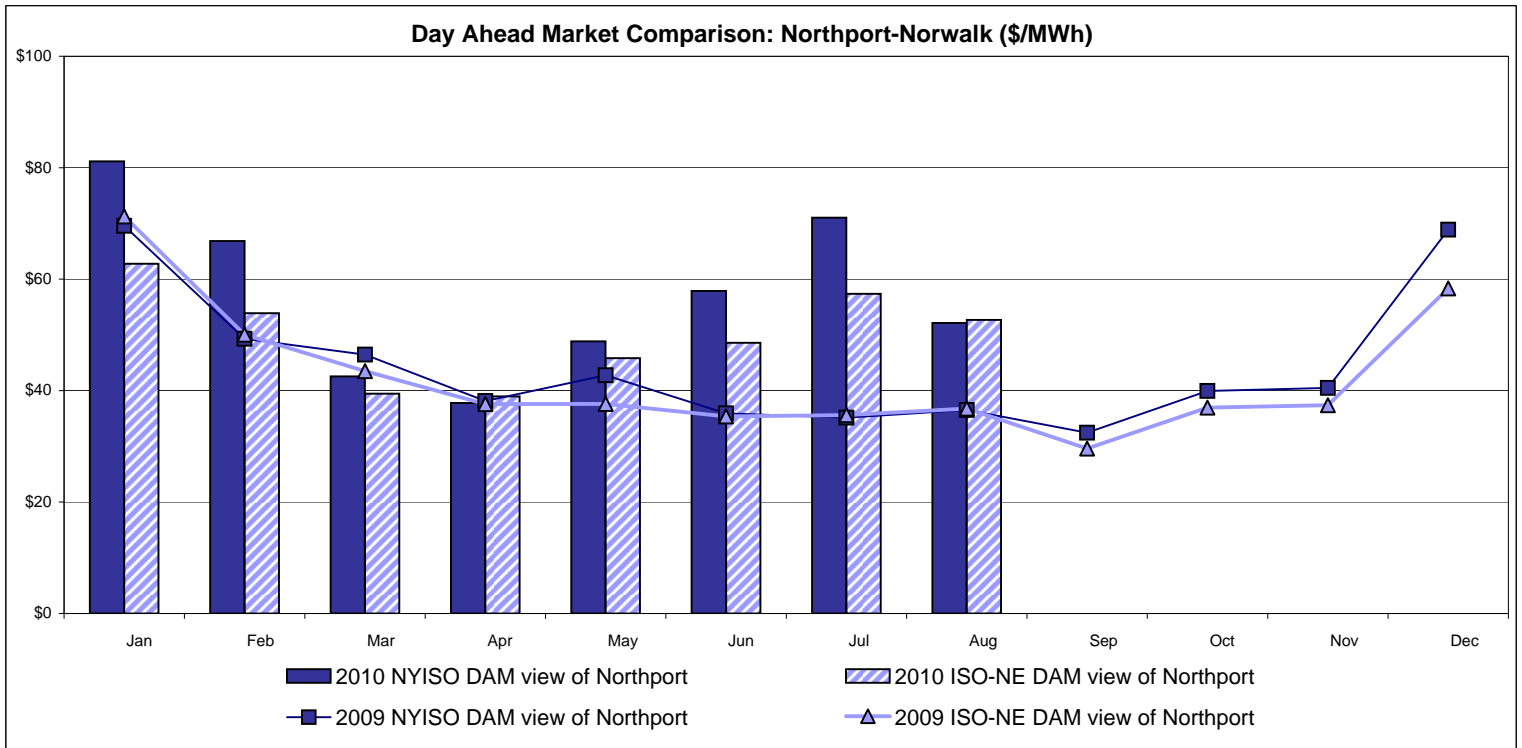
Notes: Exchange factor used for August 2010 was 0.96 to US \$
 HOEP: Hourly Ontario Energy Price
 Pre-Dispatch: Projected Energy Price

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.

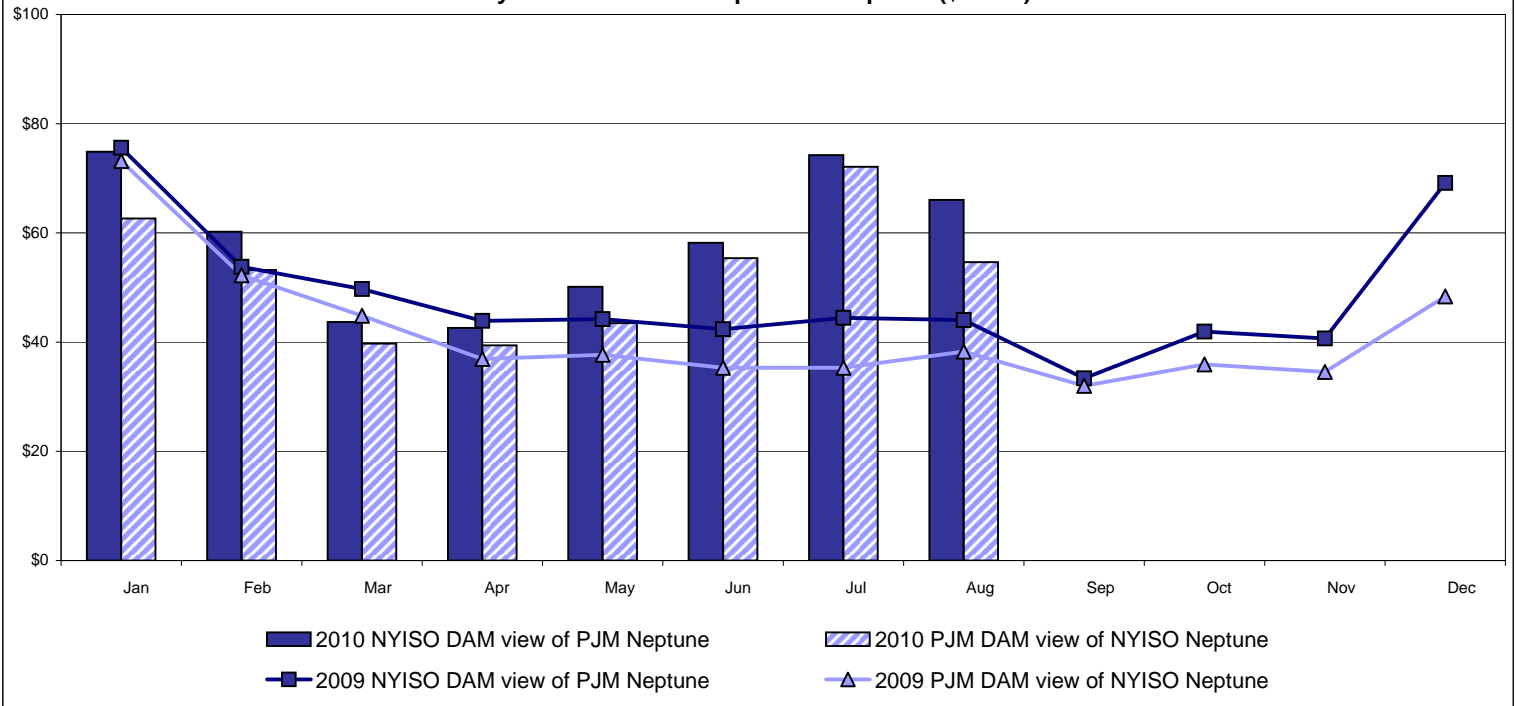
External Controllable Line: Northport - Norwalk (New England)



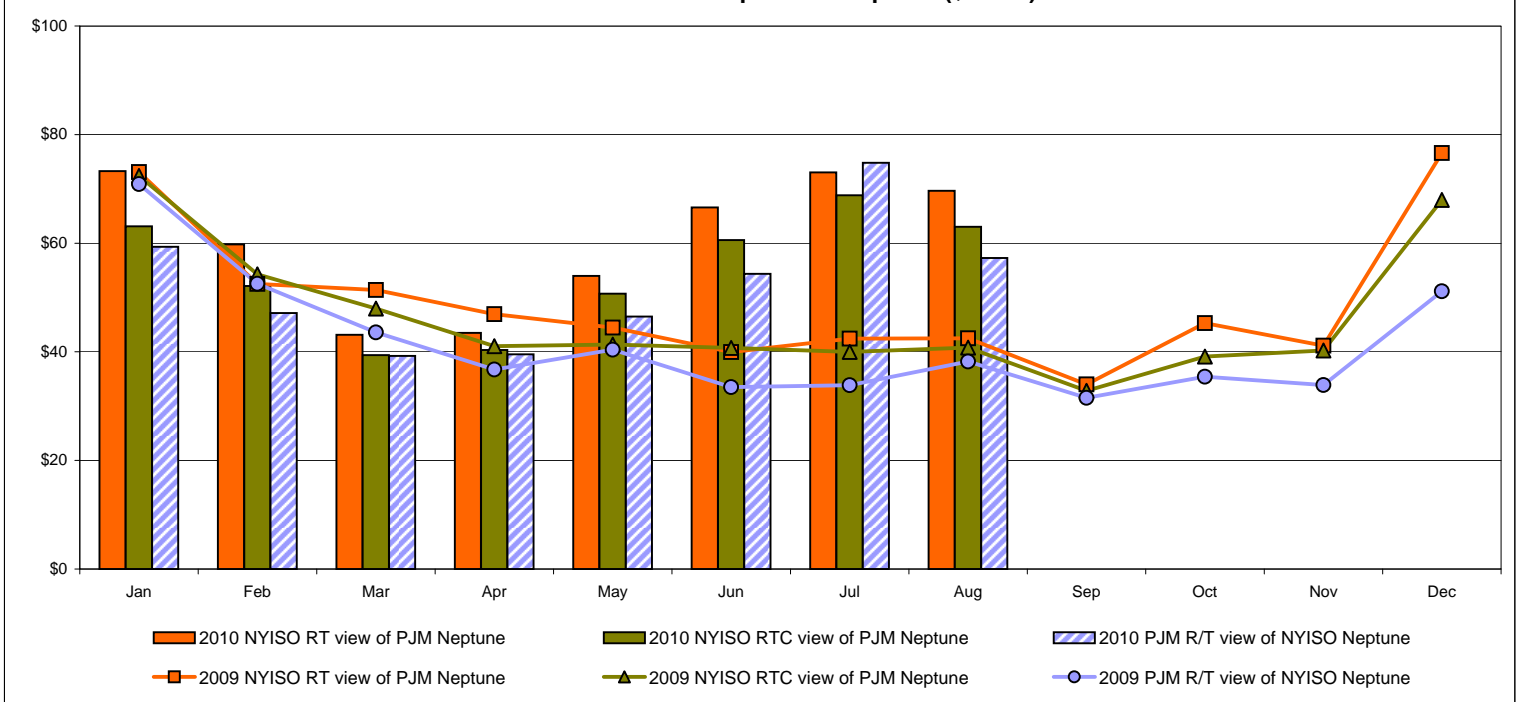
Note:
 ISO-NE Forecast is an advisory posting @ 18:00 day before.
 The DAM and R/T prices at the Northport 138 interface are used for ISO-NE.
 The DAM and R/T prices at the 1385 interface are used for NYISO.

External Controllable Line: Neptune (PJM)

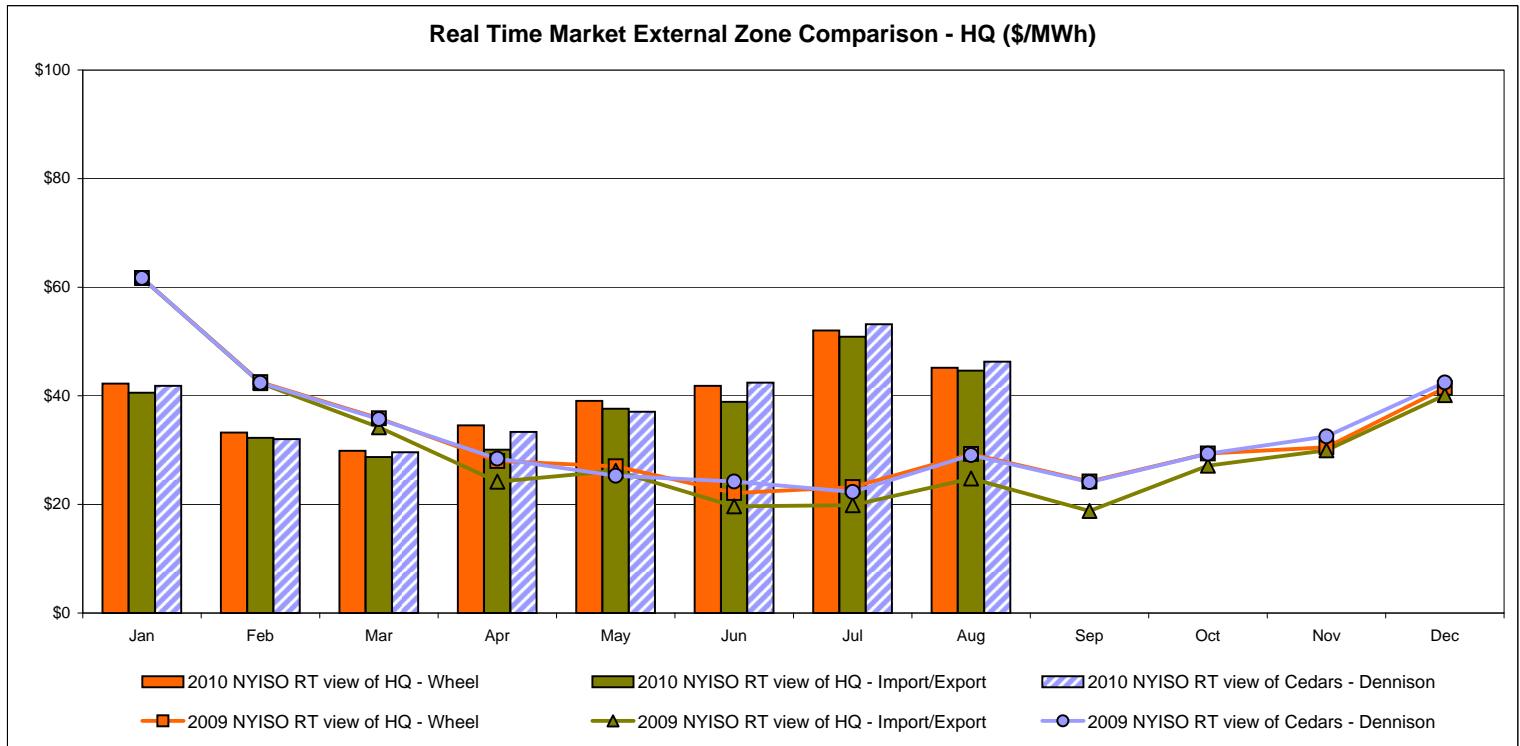
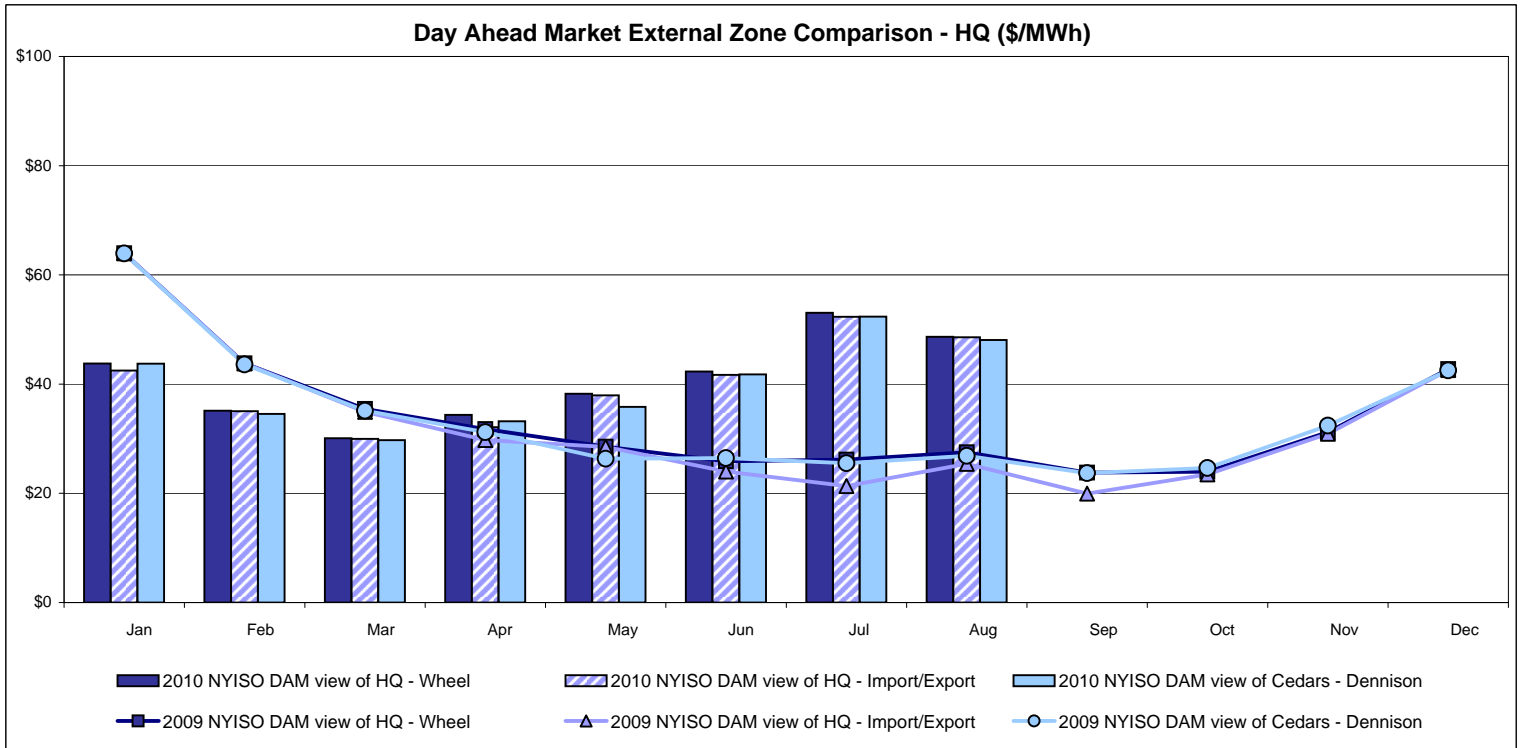
Day Ahead Market Comparison: Neptune (\$/MWh)



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



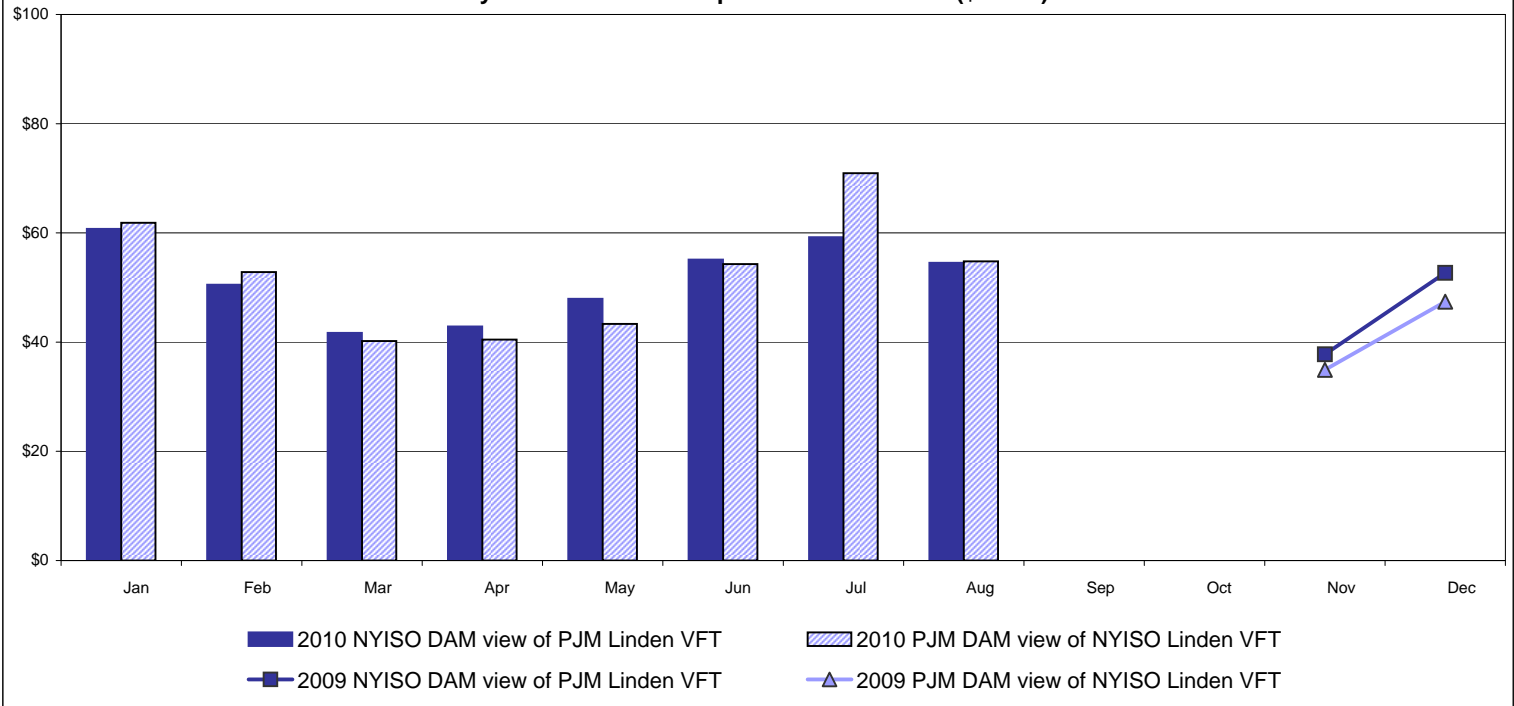
External Comparison Hydro-Quebec



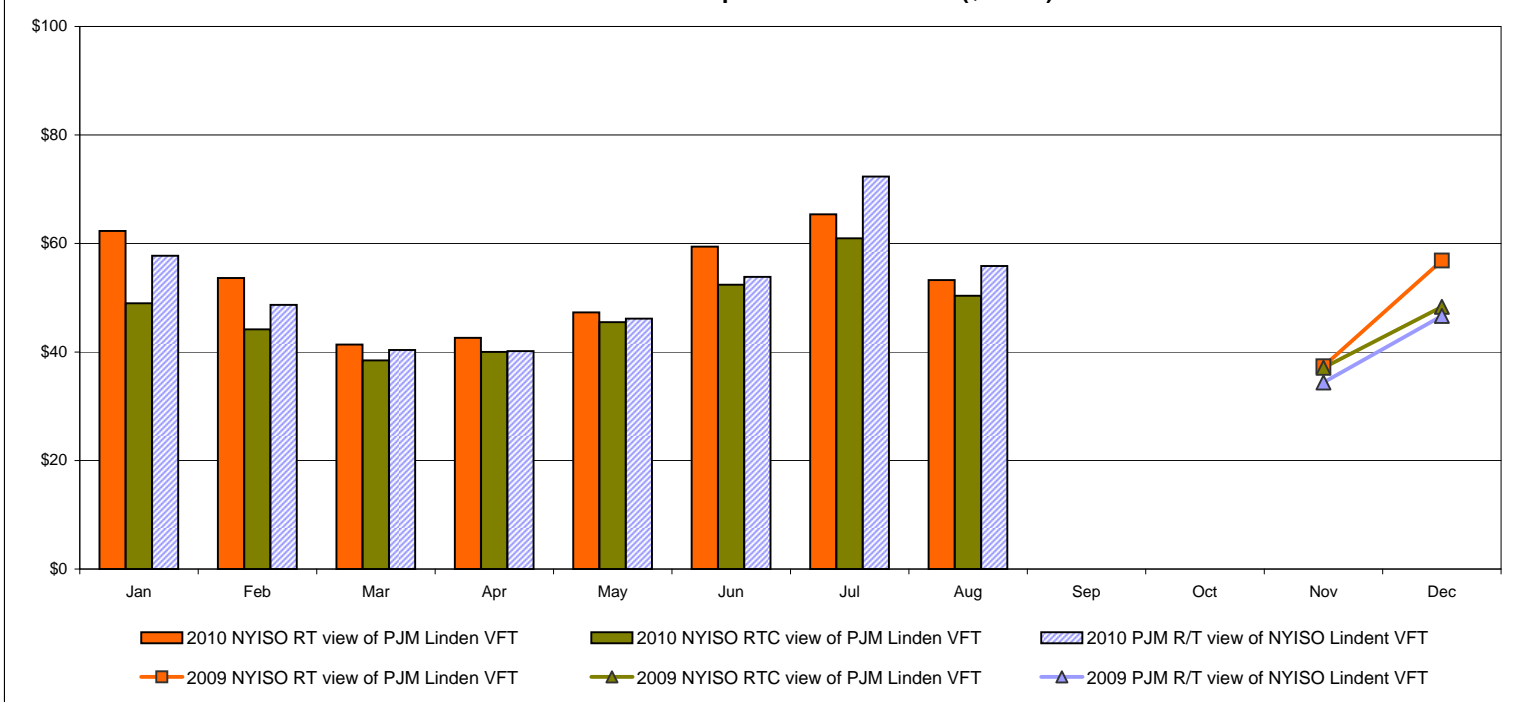
Note:
Hydro-Quebec Prices are unavailable.

External Controllable Line: Linden VFT (PJM)

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



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



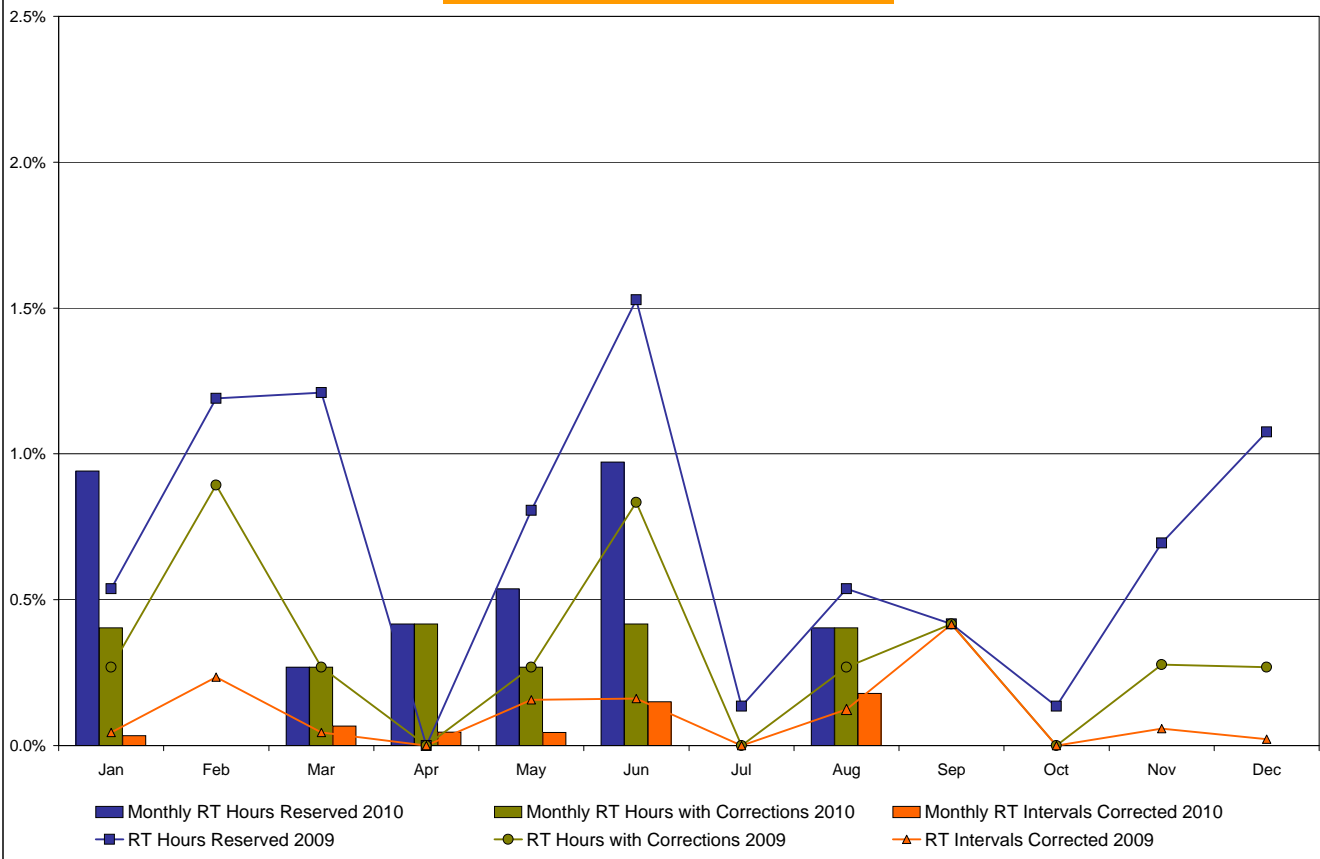
Note: Linden VFT Scheduled Line Data available beginning 11/1/2009.

NYISO Real Time Price Correction Statistics

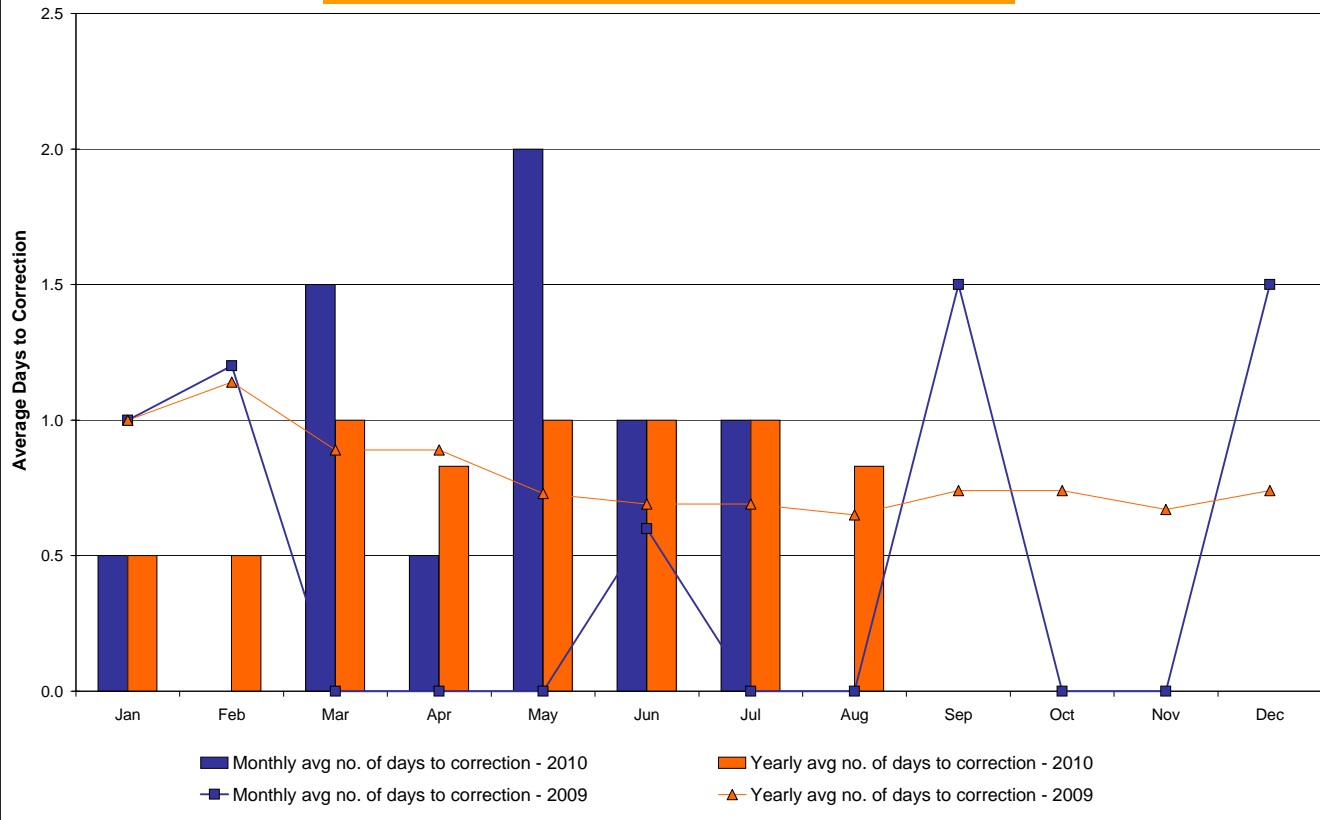
| 2010 | | <u>January</u> | <u>February</u> | <u>March</u> | <u>April</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>August</u> | <u>September</u> | <u>October</u> | <u>November</u> | <u>December</u> |
|-----------------------------------|--------------|----------------|-----------------|--------------|--------------|------------|-------------|-------------|---------------|------------------|----------------|-----------------|-----------------|
| Hour Corrections | | | | | | | | | | | | | |
| Number of hours with corrections | in the month | 3 | 0 | 2 | 3 | 2 | 3 | 0 | 3 | | | | |
| Number of hours | in the month | 744 | 672 | 744 | 720 | 744 | 720 | 744 | 744 | | | | |
| % of hours with corrections | in the month | 0.40% | 0.00% | 0.27% | 0.42% | 0.27% | 0.42% | 0.00% | 0.40% | | | | |
| % of hours with corrections | year-to-date | 0.40% | 0.21% | 0.23% | 0.28% | 0.28% | 0.30% | 0.26% | 0.27% | | | | |
| Interval Corrections | | | | | | | | | | | | | |
| Number of intervals corrected | in the month | 3 | 0 | 6 | 4 | 4 | 13 | 0 | 16 | | | | |
| Number of intervals | in the month | 8,934 | 8,057 | 8,913 | 8,640 | 8,946 | 8,660 | 8,955 | 8,955 | | | | |
| % of intervals corrected | in the month | 0.03% | 0.00% | 0.07% | 0.05% | 0.04% | 0.15% | 0.00% | 0.18% | | | | |
| % of intervals corrected | year-to-date | 0.03% | 0.02% | 0.03% | 0.04% | 0.04% | 0.06% | 0.05% | 0.07% | | | | |
| Hours Reserved | | | | | | | | | | | | | |
| Number of hours reserved | in the month | 7 | 0 | 2 | 3 | 4 | 7 | 0 | 3 | | | | |
| Number of hours | in the month | 744 | 672 | 744 | 720 | 744 | 720 | 744 | 744 | | | | |
| % of hours reserved | in the month | 0.94% | 0.00% | 0.27% | 0.42% | 0.54% | 0.97% | 0.00% | 0.40% | | | | |
| % of hours reserved | year-to-date | 0.94% | 0.49% | 0.42% | 0.42% | 0.44% | 0.53% | 0.45% | 0.45% | | | | |
| Days to Correction * | | | | | | | | | | | | | |
| Avg. number of days to correction | in the month | 0.50 | 0.00 | 1.50 | 0.50 | 2.00 | 1.00 | 1.00 | 0.00 | | | | |
| Avg. number of days to correction | year-to-date | 0.50 | 0.50 | 1.00 | 0.83 | 1.00 | 1.00 | 1.00 | 0.83 | | | | |
| Days Without Corrections | | | | | | | | | | | | | |
| Days without corrections | in the month | 29 | 28 | 29 | 28 | 30 | 28 | 31 | 29 | | | | |
| Days without corrections | year-to-date | 29 | 57 | 86 | 114 | 144 | 172 | 203 | 232 | | | | |
| 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

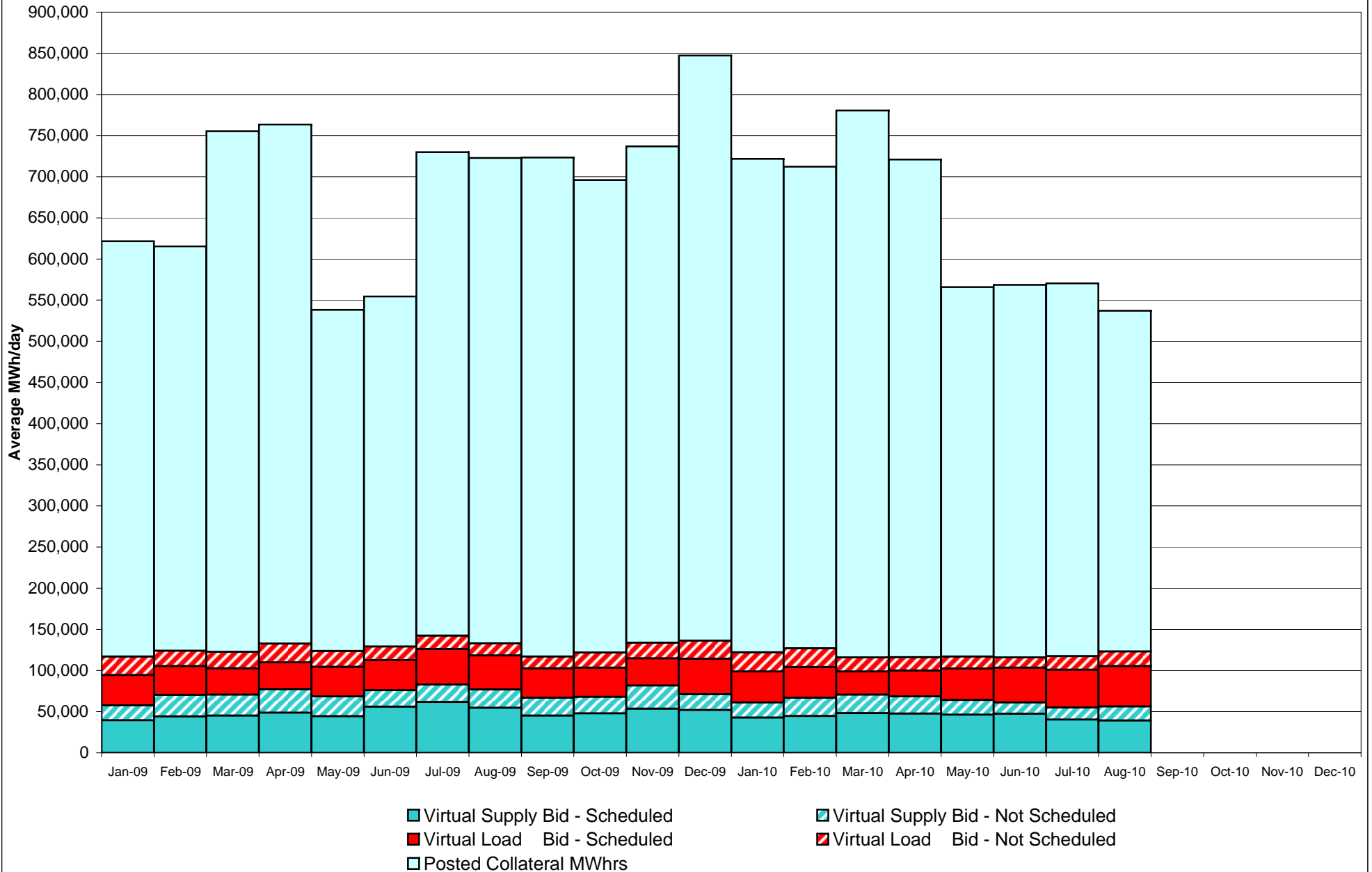


Annual average time period for making Price Corrections (from reservation date) *

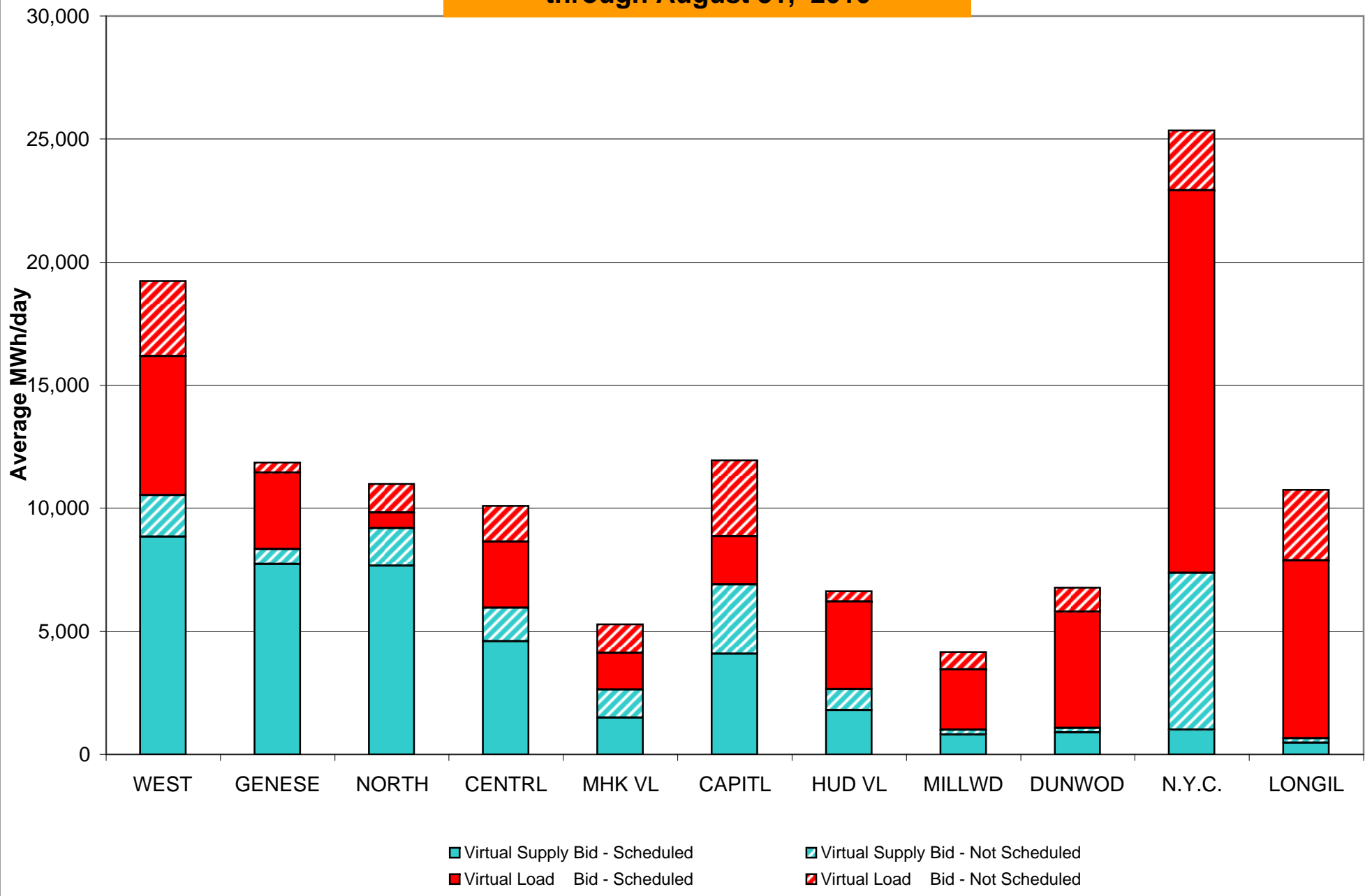


* Calendar days from reservation date.

**NYISO Virtual Trading
Average MWh per day**



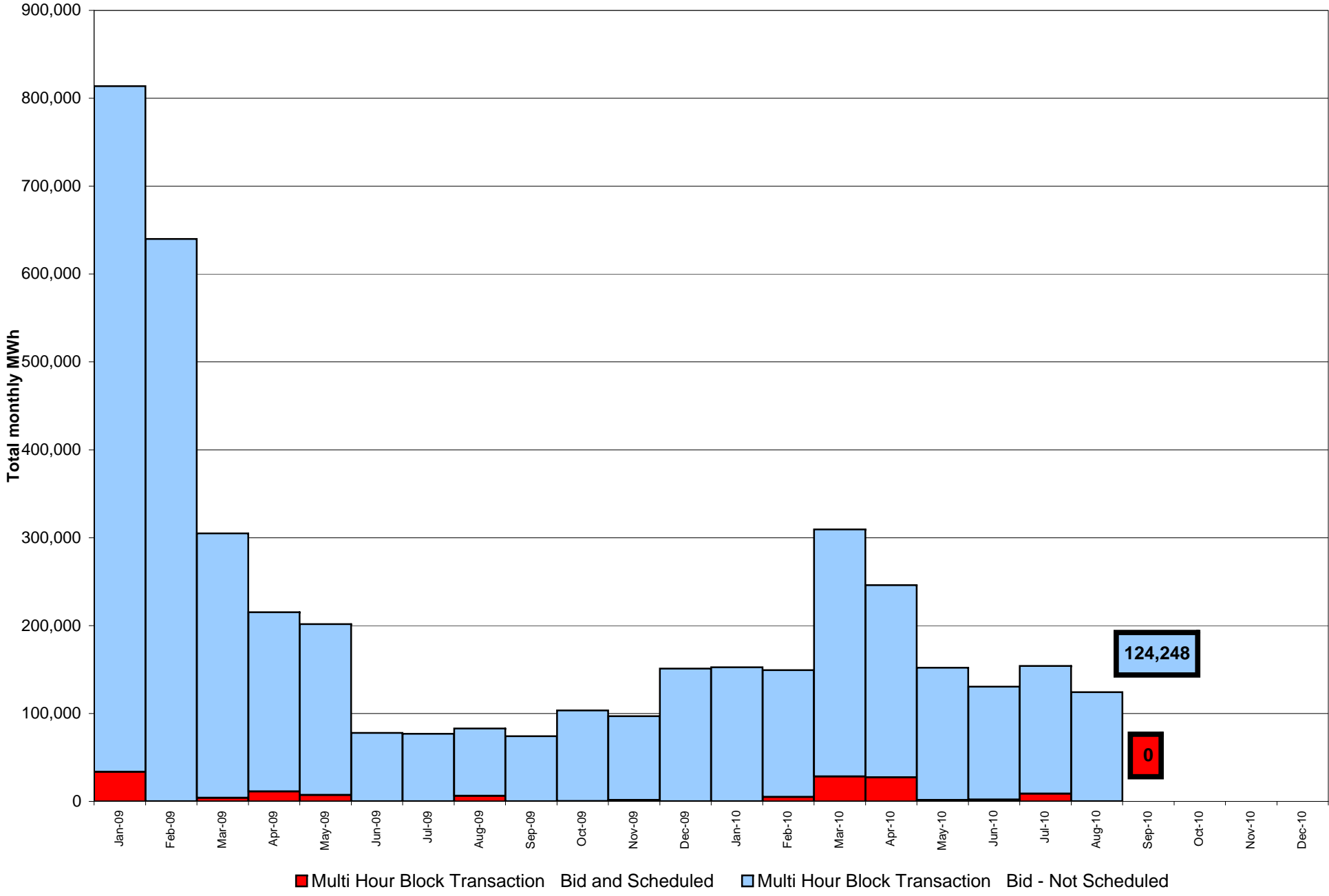
Virtual Load and Supply Zonal Statistics through August 31, 2010



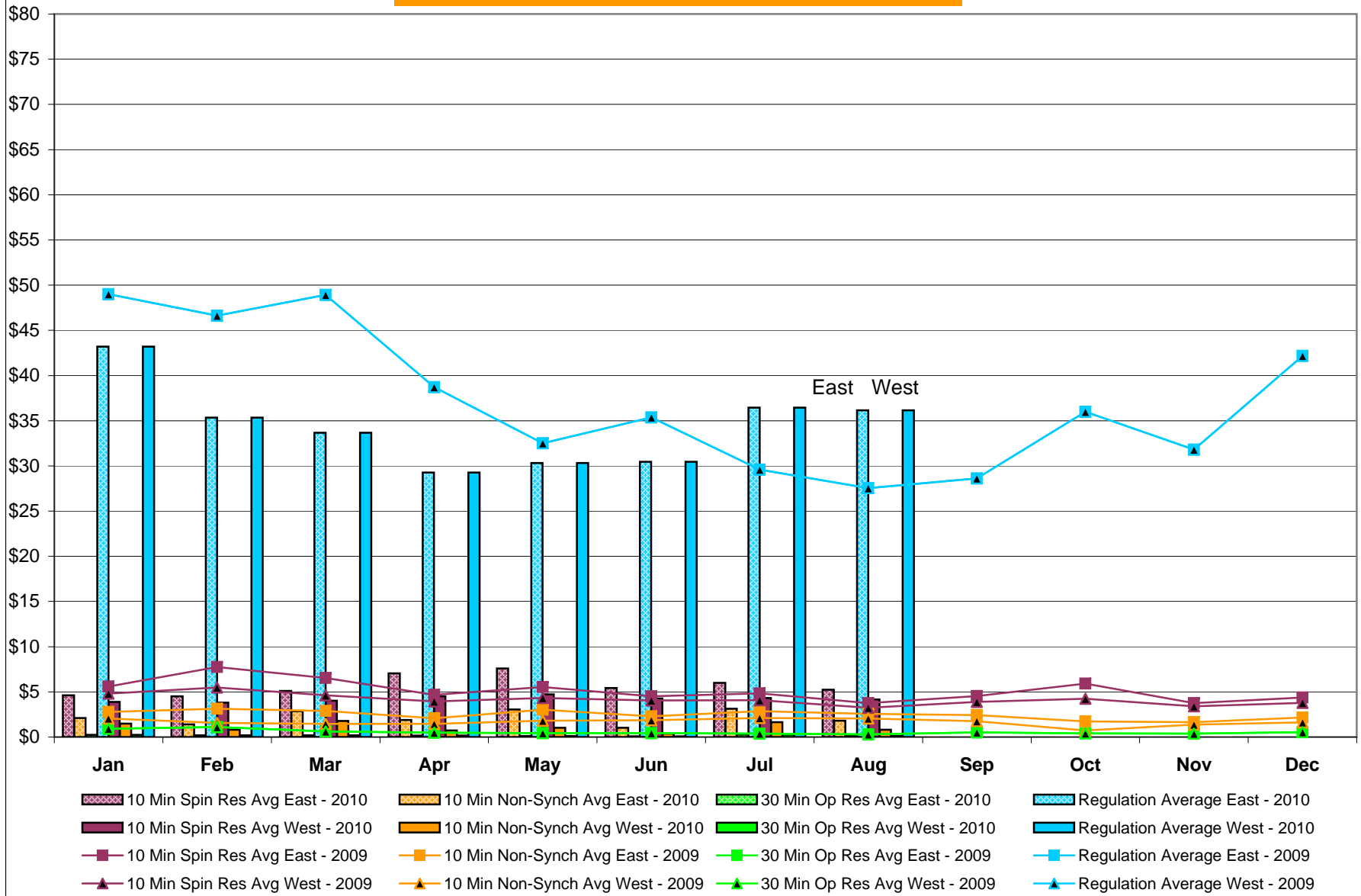
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2010

| | | Virtual Load Bid | | Virtual Supply Bid | | | | Virtual Load Bid | | Virtual Supply Bid | | | | Virtual Load Bid | | Virtual Supply Bid | |
|---------------|--------|------------------|---------------|--------------------|---------------|---------------|--------|------------------|---------------|--------------------|---------------|---------------|--------|------------------|---------------|--------------------|---------------|
| Zone | Date | Scheduled | Not Scheduled | Scheduled | Not Scheduled | Zone | Date | Scheduled | Not Scheduled | Scheduled | Not Scheduled | Zone | Date | Scheduled | Not Scheduled | Scheduled | Not Scheduled |
| 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 | 3,749 | 744 | 8,176 | 1,118 | | Jul-10 | 858 | 1,187 | 1,163 | 1,160 | | Jul-10 | 6,595 | 1,581 | 400 | 95 |
| | Aug-10 | 5,644 | 3,052 | 8,841 | 1,687 | | Aug-10 | 1,475 | 1,175 | 1,496 | 1,145 | | Aug-10 | 4,716 | 992 | 891 | 183 |
| | 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 | 1,974 | 214 | 6,865 | 266 | | Jul-10 | 1,196 | 3,211 | 7,480 | 2,681 | | Jul-10 | 15,817 | 3,690 | 702 | 6,084 |
| | Aug-10 | 3,113 | 421 | 7,731 | 599 | | Aug-10 | 1,966 | 3,083 | 4,081 | 2,811 | | Aug-10 | 15,545 | 2,439 | 990 | 6,385 |
| | 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 | 590 | 951 | 7,019 | 1,337 | | Jul-10 | 4,205 | 522 | 2,511 | 215 | | Jul-10 | 7,871 | 2,946 | 231 | 185 |
| | Aug-10 | 641 | 1,159 | 7,665 | 1,521 | | Aug-10 | 3,552 | 429 | 1,802 | 854 | | Aug-10 | 7,230 | 2,867 | 477 | 179 |
| | 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 | 1,303 | 1,308 | 5,205 | 1,294 | | Jul-10 | 1,878 | 169 | 569 | 104 | | Jul-10 | 46,036 | 16,523 | 40,322 | 14,540 |
| | Aug-10 | 2,697 | 1,446 | 4,586 | 1,362 | | Aug-10 | 2,443 | 708 | 805 | 198 | | Aug-10 | 49,022 | 17,772 | 39,366 | 16,925 |
| | Sep-10 | | | | | | Sep-10 | | | | | | Sep-10 | | | | |
| | Oct-10 | | | | | | Oct-10 | | | | | | Oct-10 | | | | |
| | Nov-10 | | | | | | Nov-10 | | | | | | Nov-10 | | | | |
| | Dec-10 | | | | | | Dec-10 | | | | | | Dec-10 | | | | |

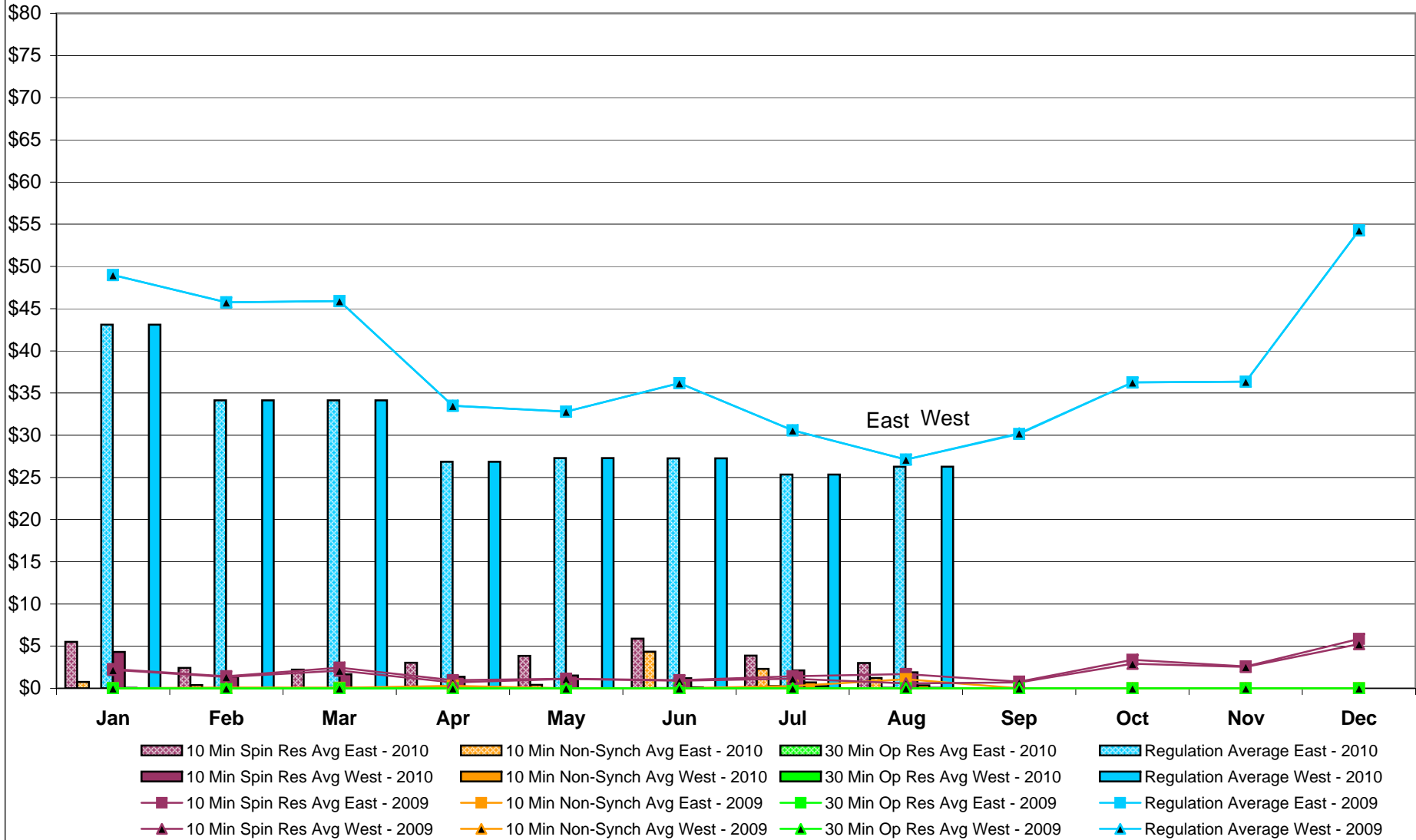
NYISO Multi Hour Block Transactions Monthly Total MWh



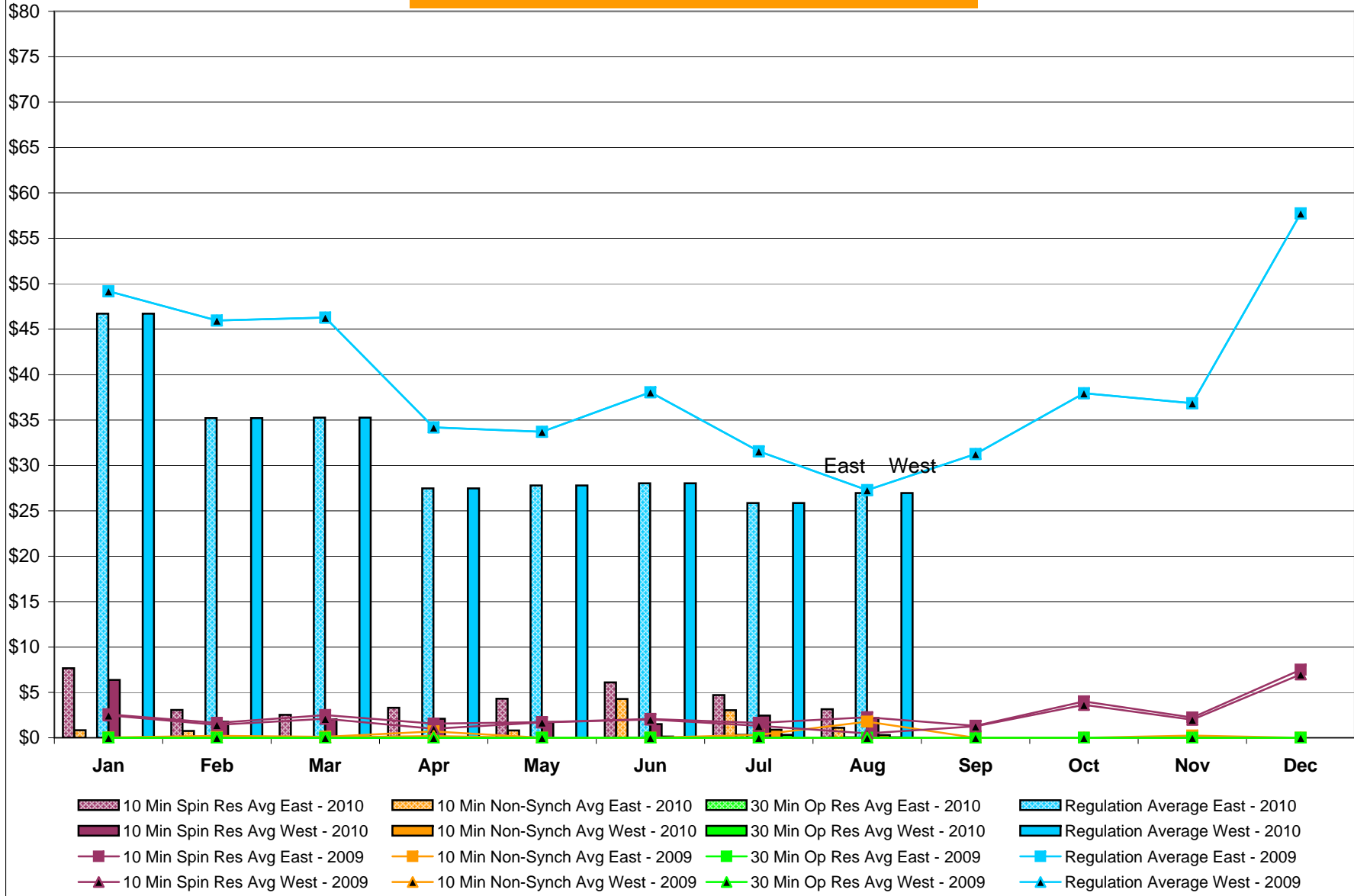
NYISO Monthly Average Ancillary Service Prices Day Ahead Market 2009 - 2010



NYISO Monthly Average Ancillary Service Prices RTC Market 2009 - 2010



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



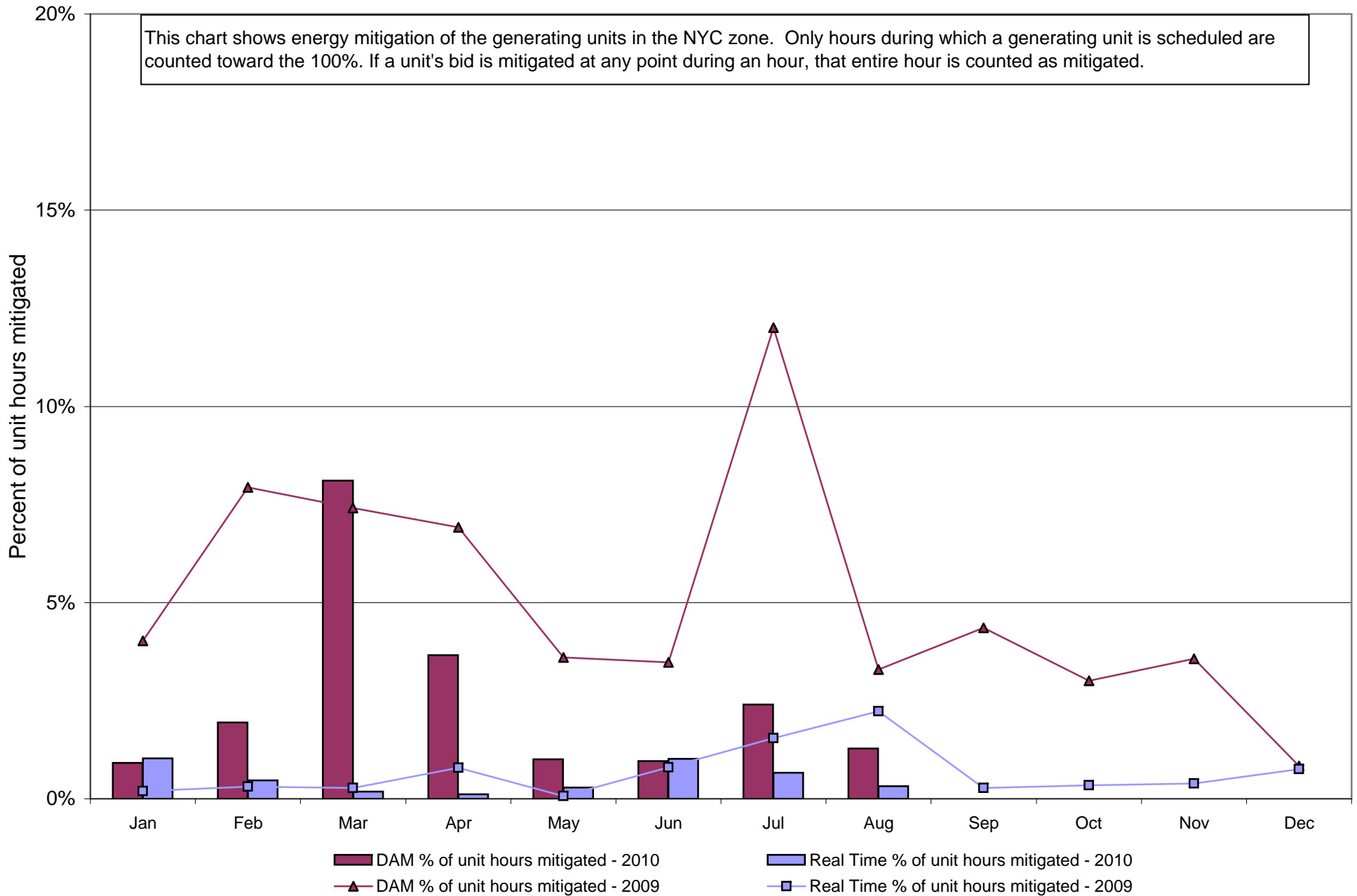
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

| 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> |
|--------------------------------|----------------|-----------------|--------------|--------------|------------|-------------|-------------|---------------|------------------|----------------|-----------------|-----------------|
| <u>Day Ahead Market</u> | | | | | | | | | | | | |
| 10 Min Spin East | 4.62 | 4.51 | 5.10 | 7.04 | 7.59 | 5.43 | 6.00 | 5.23 | | | | |
| 10 Min Spin West | 3.90 | 3.80 | 4.02 | 4.51 | 4.73 | 4.27 | 4.31 | 4.16 | | | | |
| 10 Min Non Synch East | 2.11 | 1.42 | 2.85 | 1.89 | 3.04 | 1.04 | 3.12 | 1.81 | | | | |
| 10 Min Non Synch West | 1.49 | 0.80 | 1.78 | 0.74 | 1.02 | 0.37 | 1.65 | 0.82 | | | | |
| 30 Min East | 0.24 | 0.18 | 0.18 | 0.16 | 0.12 | 0.07 | 0.27 | 0.10 | | | | |
| 30 Min West | 0.24 | 0.18 | 0.18 | 0.16 | 0.12 | 0.07 | 0.27 | 0.10 | | | | |
| Regulation East | 43.21 | 35.33 | 33.67 | 29.28 | 30.33 | 30.44 | 36.44 | 36.15 | | | | |
| Regulation West | 43.21 | 35.33 | 33.67 | 29.28 | 30.33 | 30.44 | 36.44 | 36.15 | | | | |
| <u>RTC Market</u> | | | | | | | | | | | | |
| 10 Min Spin East | 5.49 | 2.42 | 2.22 | 3.03 | 3.86 | 5.89 | 3.87 | 2.99 | | | | |
| 10 Min Spin West | 4.32 | 1.40 | 1.66 | 1.38 | 1.53 | 1.19 | 2.13 | 1.90 | | | | |
| 10 Min Non Synch East | 0.77 | 0.37 | 0.00 | 0.00 | 0.39 | 4.35 | 2.31 | 1.23 | | | | |
| 10 Min Non Synch West | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.69 | 0.35 | | | | |
| 30 Min East | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.26 | 0.07 | | | | |
| 30 Min West | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.26 | 0.07 | | | | |
| Regulation East | 43.11 | 34.13 | 34.13 | 26.86 | 27.28 | 27.26 | 25.32 | 26.27 | | | | |
| Regulation West | 43.11 | 34.13 | 34.13 | 26.86 | 27.28 | 27.26 | 25.32 | 26.27 | | | | |
| <u>Real Time Market</u> | | | | | | | | | | | | |
| 10 Min Spin East | 7.67 | 3.08 | 2.54 | 3.31 | 4.30 | 6.10 | 4.71 | 3.13 | | | | |
| 10 Min Spin West | 6.37 | 1.78 | 2.05 | 2.09 | 1.73 | 1.51 | 2.44 | 2.17 | | | | |
| 10 Min Non Synch East | 0.83 | 0.74 | 0.00 | 0.00 | 0.81 | 4.28 | 3.05 | 1.09 | | | | |
| 10 Min Non Synch West | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.89 | 0.28 | | | | |
| 30 Min East | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.33 | 0.04 | | | | |
| 30 Min West | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.33 | 0.04 | | | | |
| Regulation East | 46.71 | 35.21 | 35.26 | 27.47 | 27.78 | 28.03 | 25.85 | 26.94 | | | | |
| Regulation West | 46.71 | 35.21 | 35.26 | 27.47 | 27.78 | 28.03 | 25.85 | 26.94 | | | | |
| 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> |
| <u>Day Ahead Market</u> | | | | | | | | | | | | |
| 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 |
| <u>RTC Market</u> | | | | | | | | | | | | |
| 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 |
| <u>Real Time Market</u> | | | | | | | | | | | | |
| 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 |

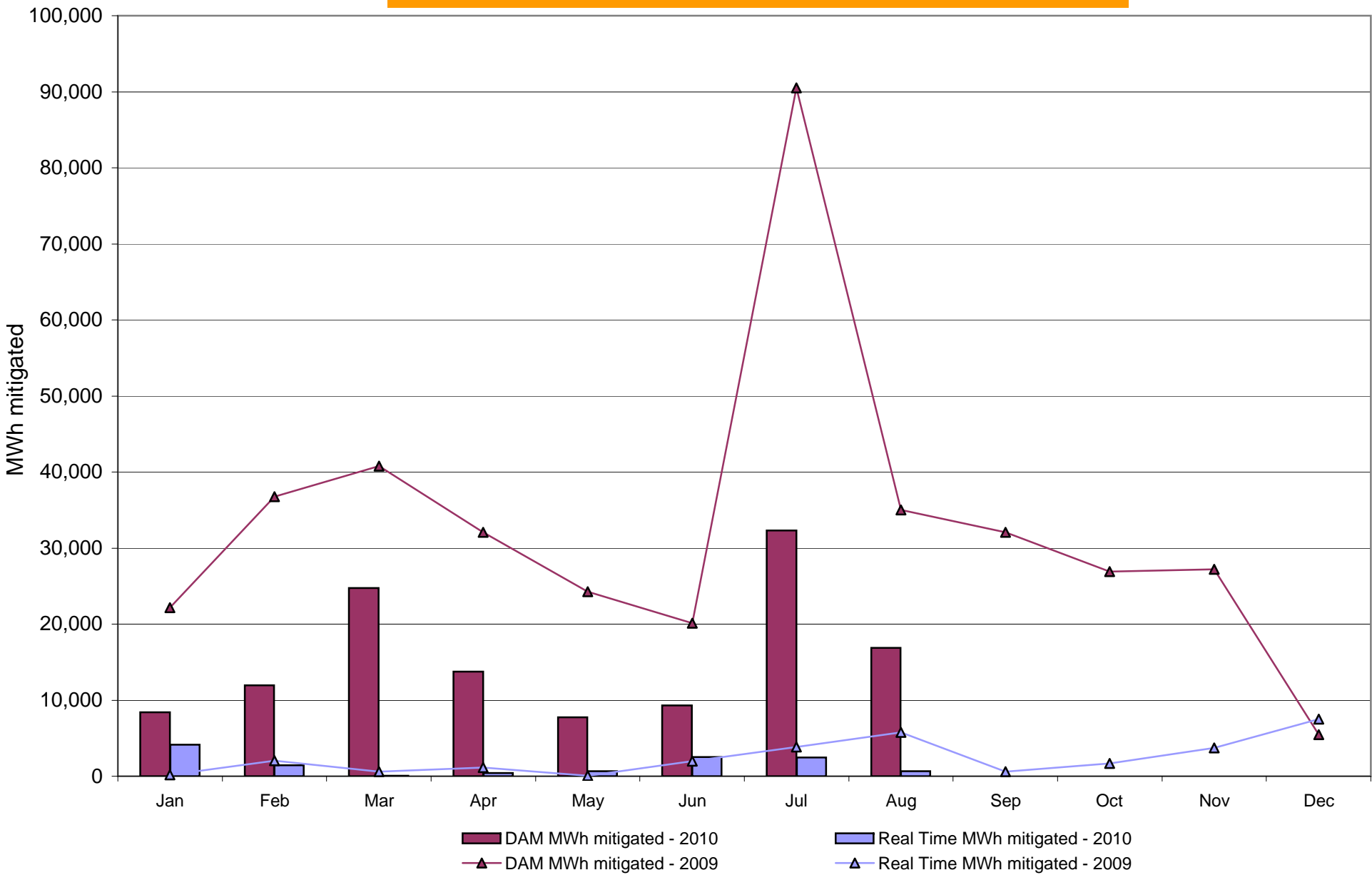
NYISO In City Energy Mitigation - AMP (NYC Zone) 2009 - 2010

Percentage of committed unit-hours mitigated

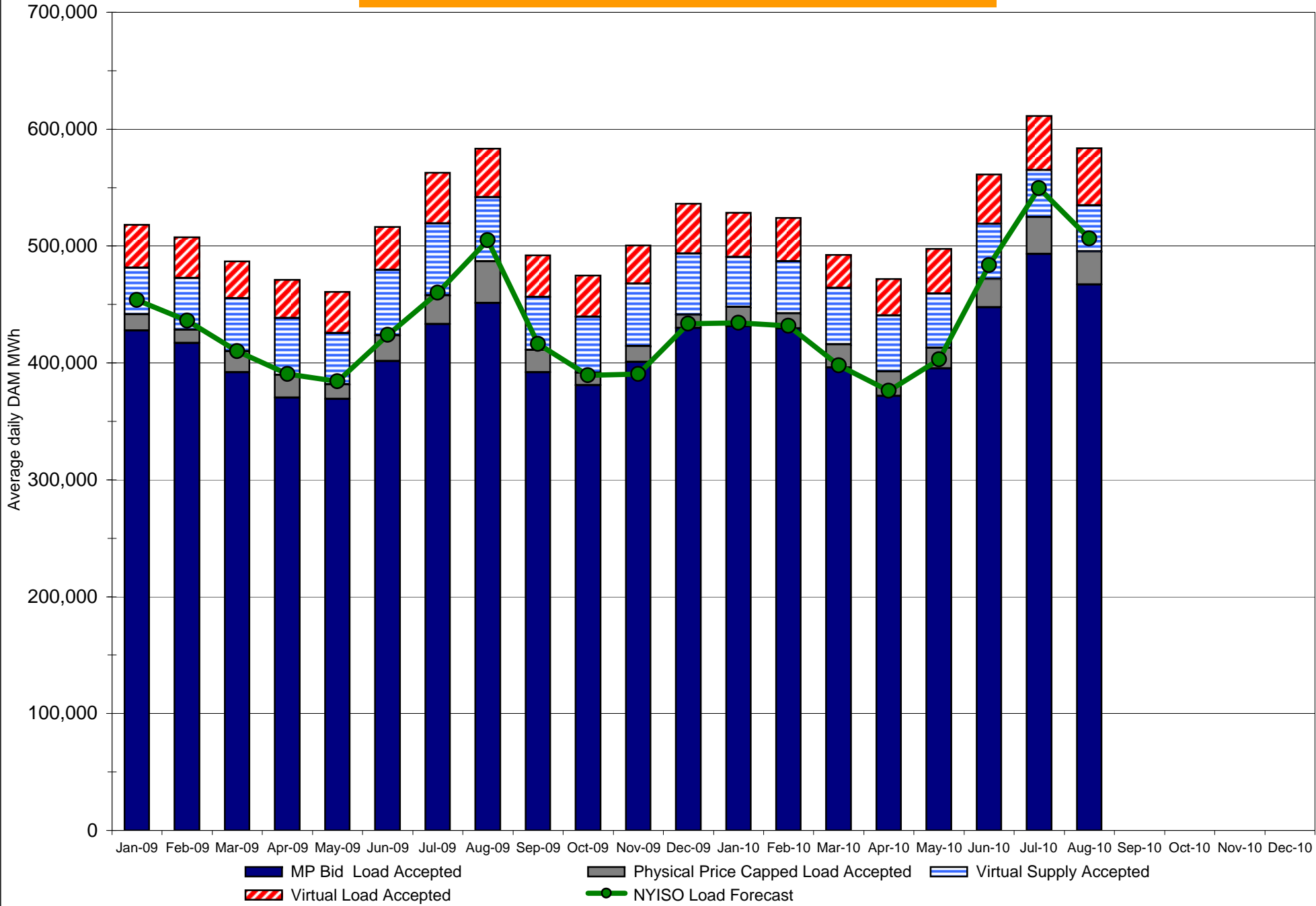
This chart shows energy mitigation of the generating units in the NYC zone. Only hours during which a generating unit is scheduled are counted toward the 100%. If a unit's bid is mitigated at any point during an hour, that entire hour is counted as mitigated.



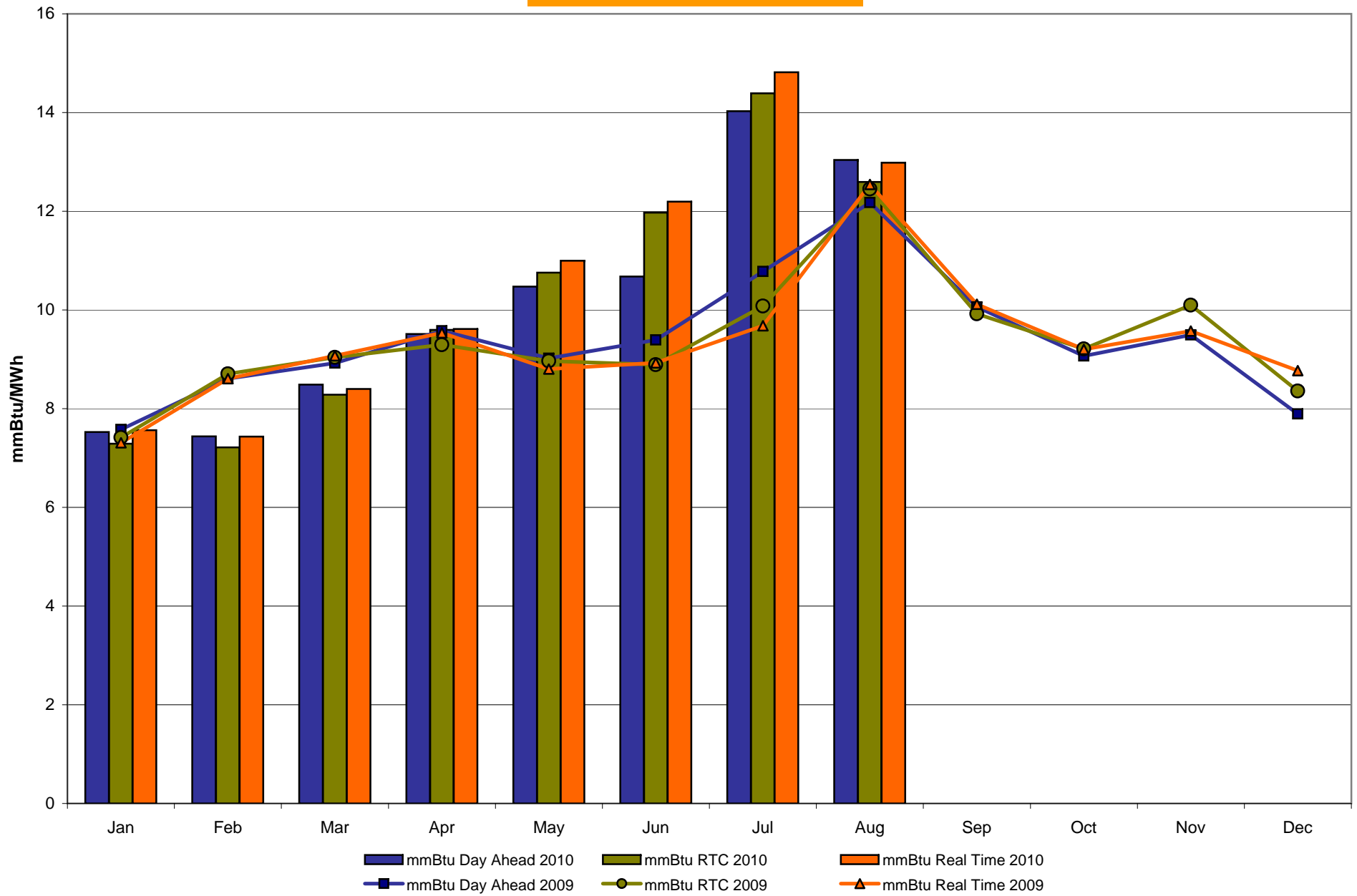
NYISO In City Energy Mitigation (NYC Zone) 2009 - 2010 Monthly megawatt hours mitigated



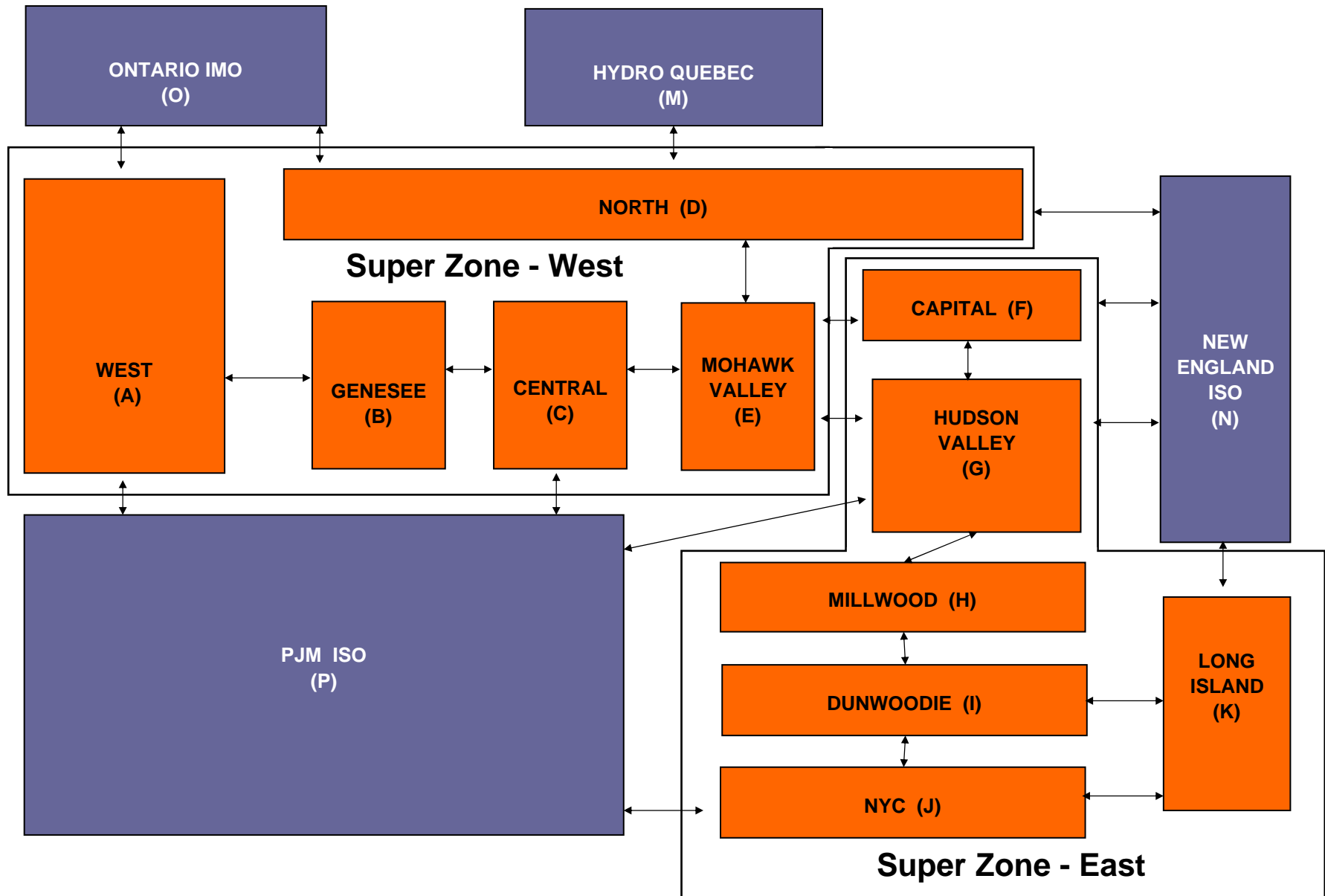
NYISO Average Daily DAM Load Bid Summary



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



August 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 September 13.

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- ◆ **Highlights**
 - *Operations Performance*

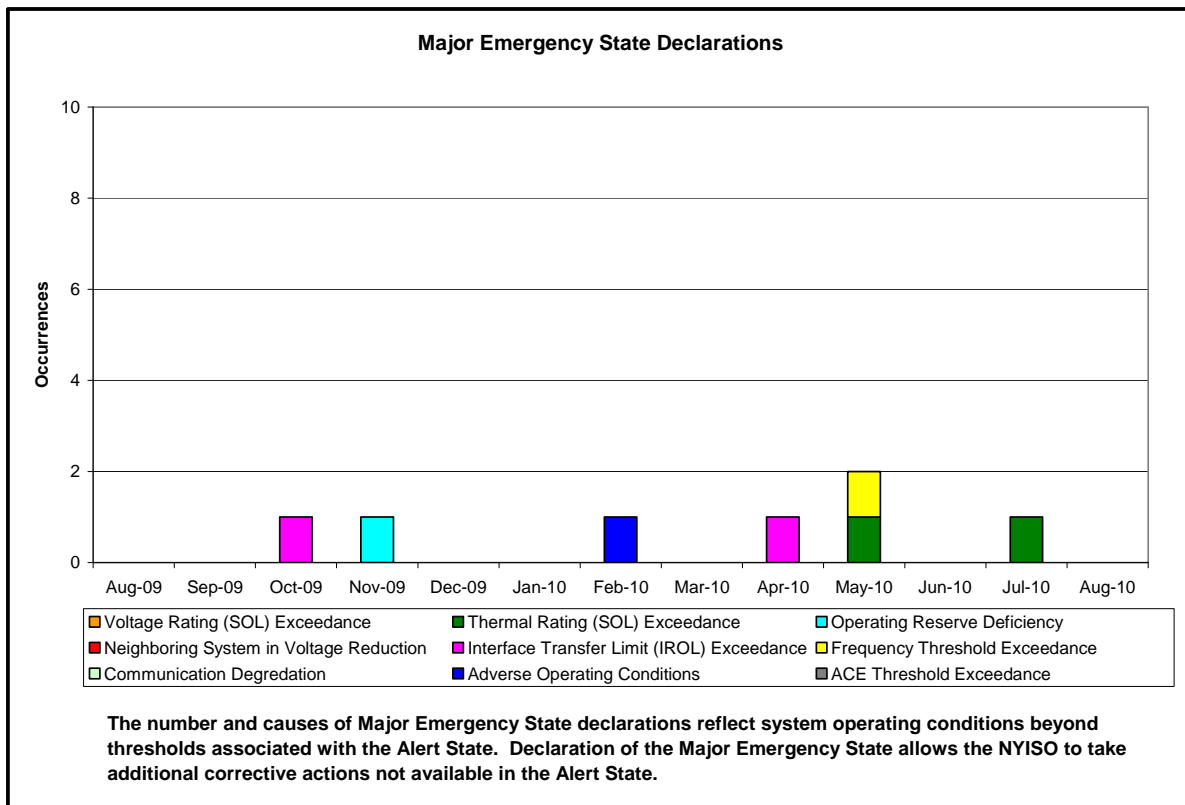
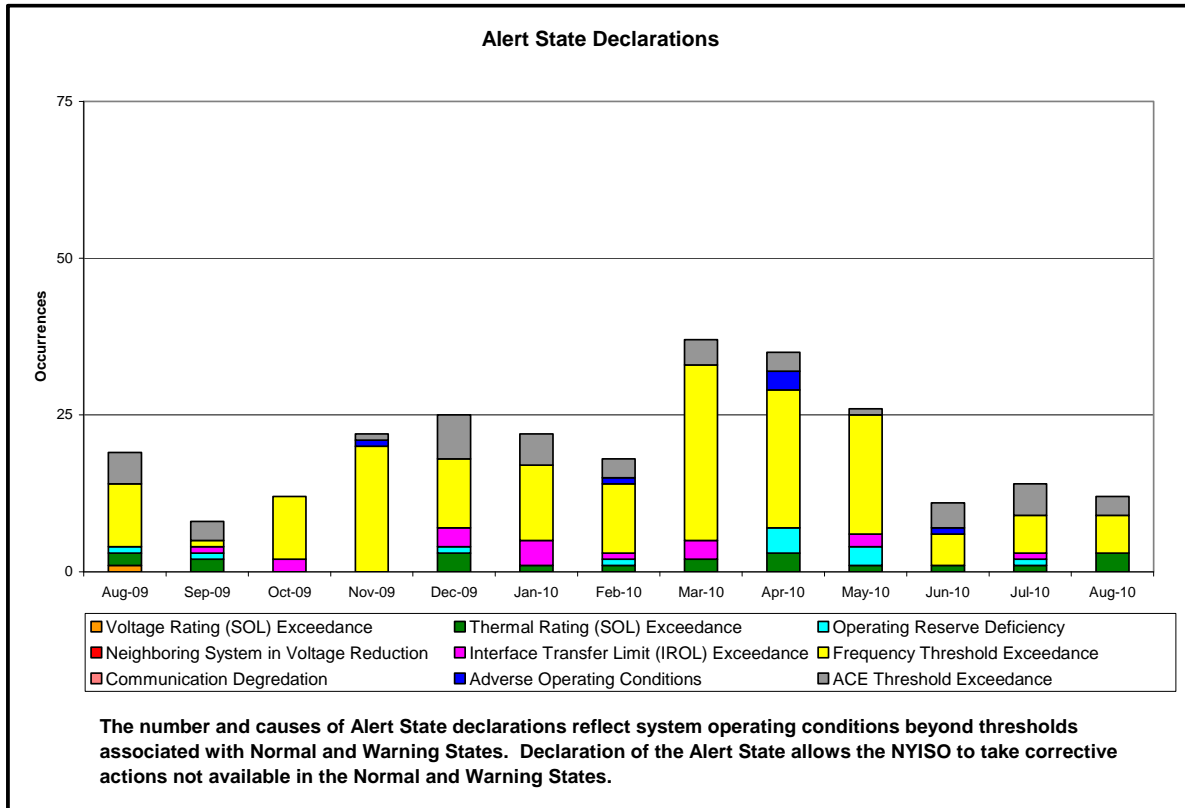
- ◆ **Reliability Performance Metrics**
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 - *Balancing Area Control Performance*
 - *Reserve Activations*
 - *Disturbance Recovery Times*
 - *Load Forecasting Performance*
 - *Wind Forecasting Performance*
 - *Lake Erie Circulation and ISO Schedules*

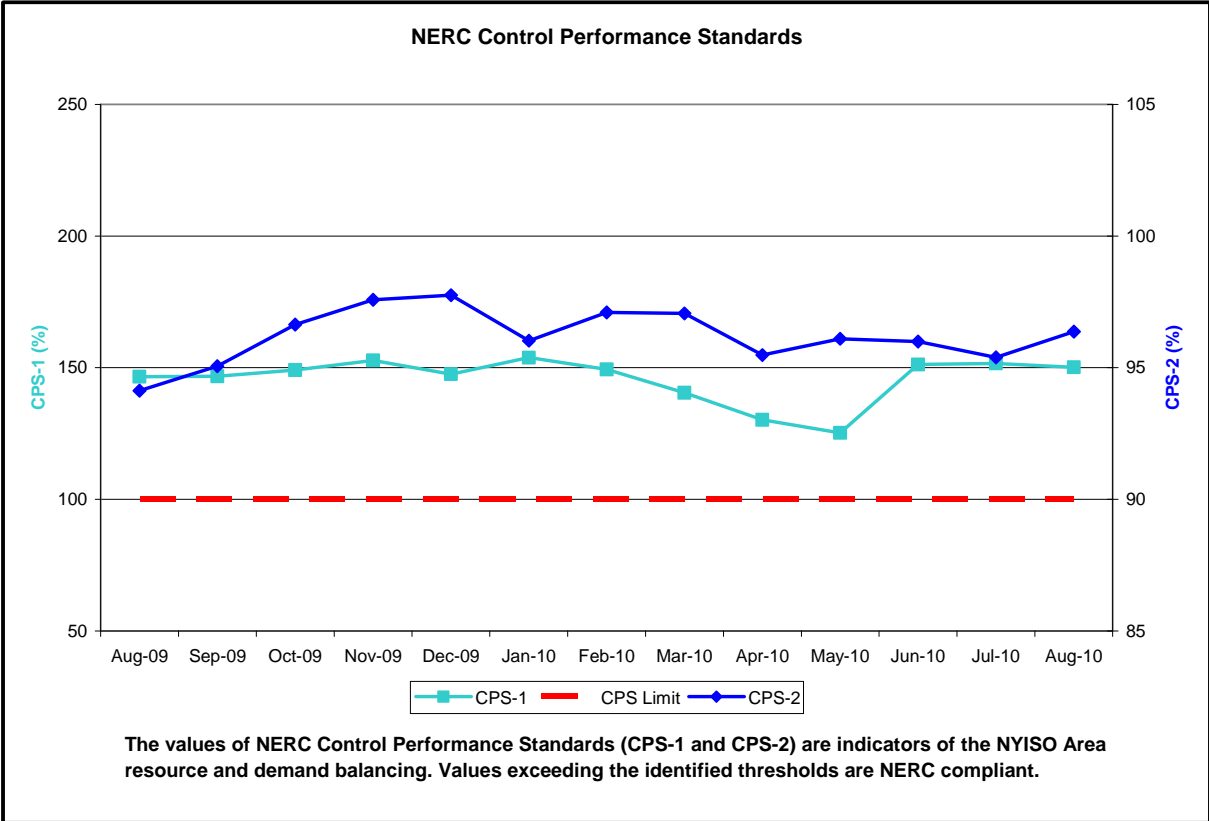
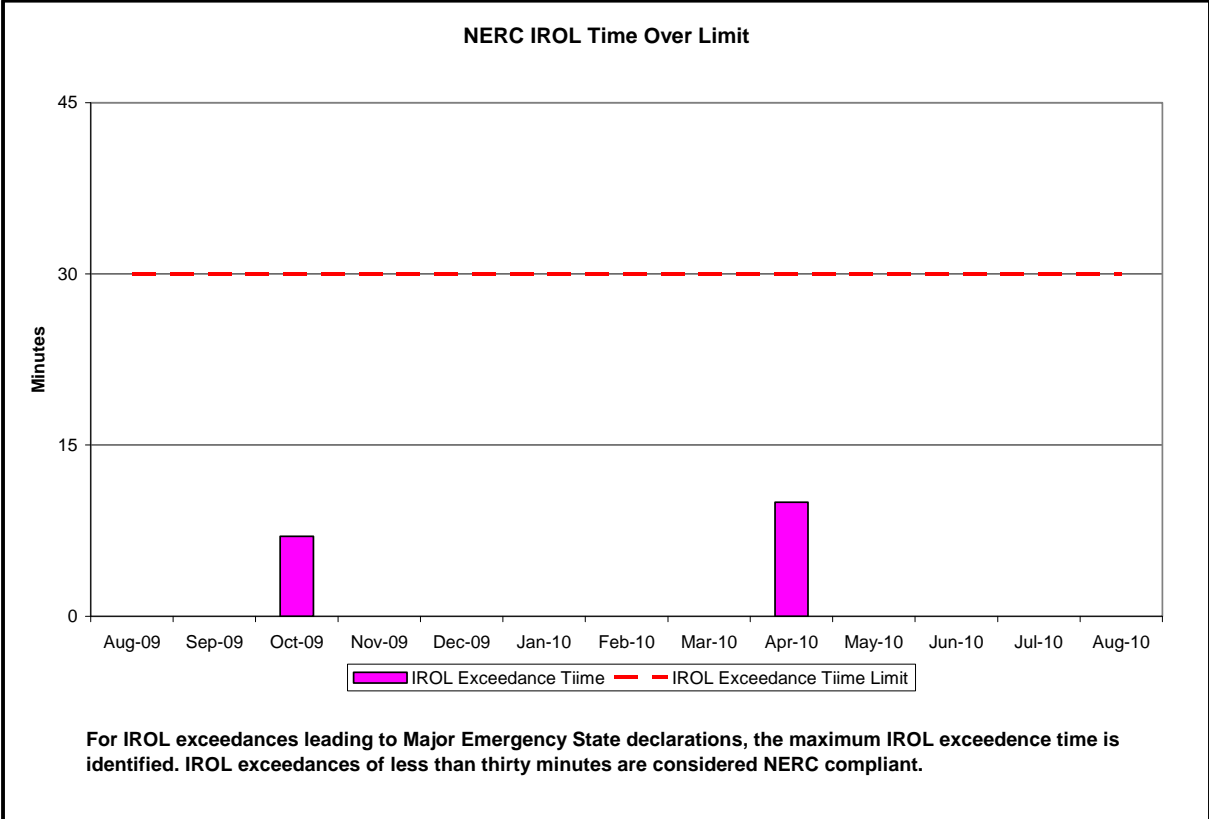
- ◆ **Market Performance Metrics**
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 - *RTM Congestion Residuals Event Summary*
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 - *DAM Congestion Residuals Cost Categories*
 - *NYCA Unit Uplift Components Monthly Trend*
 - *NYCA Unit Uplift Components Daily Costs*

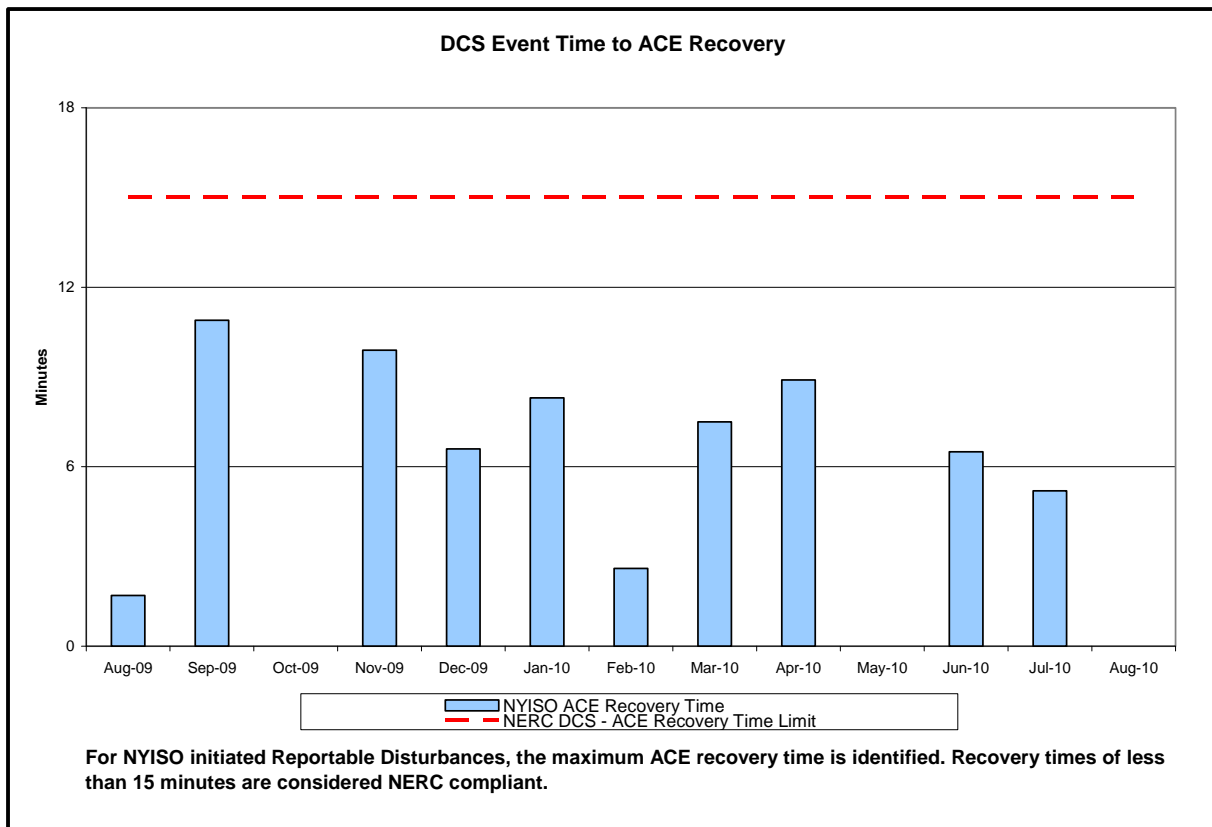
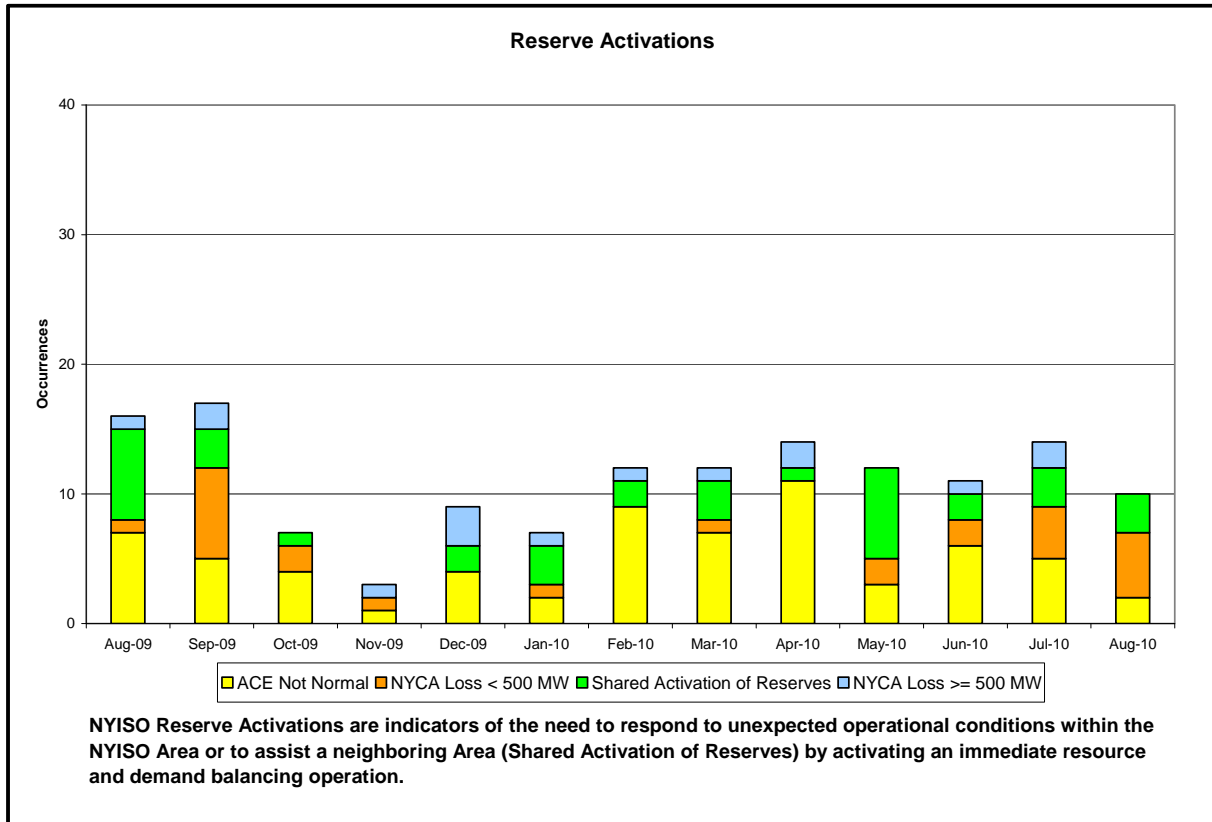
August 2010 Operations Performance Highlights

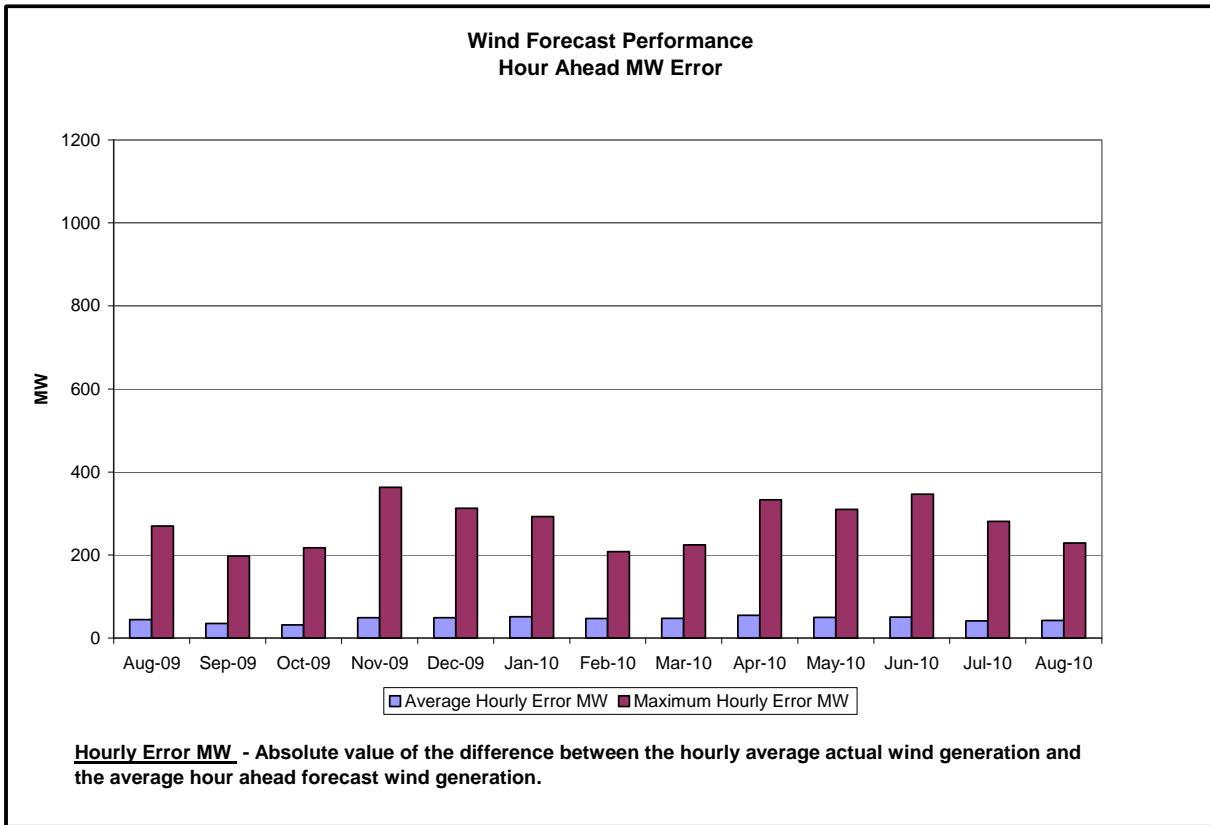
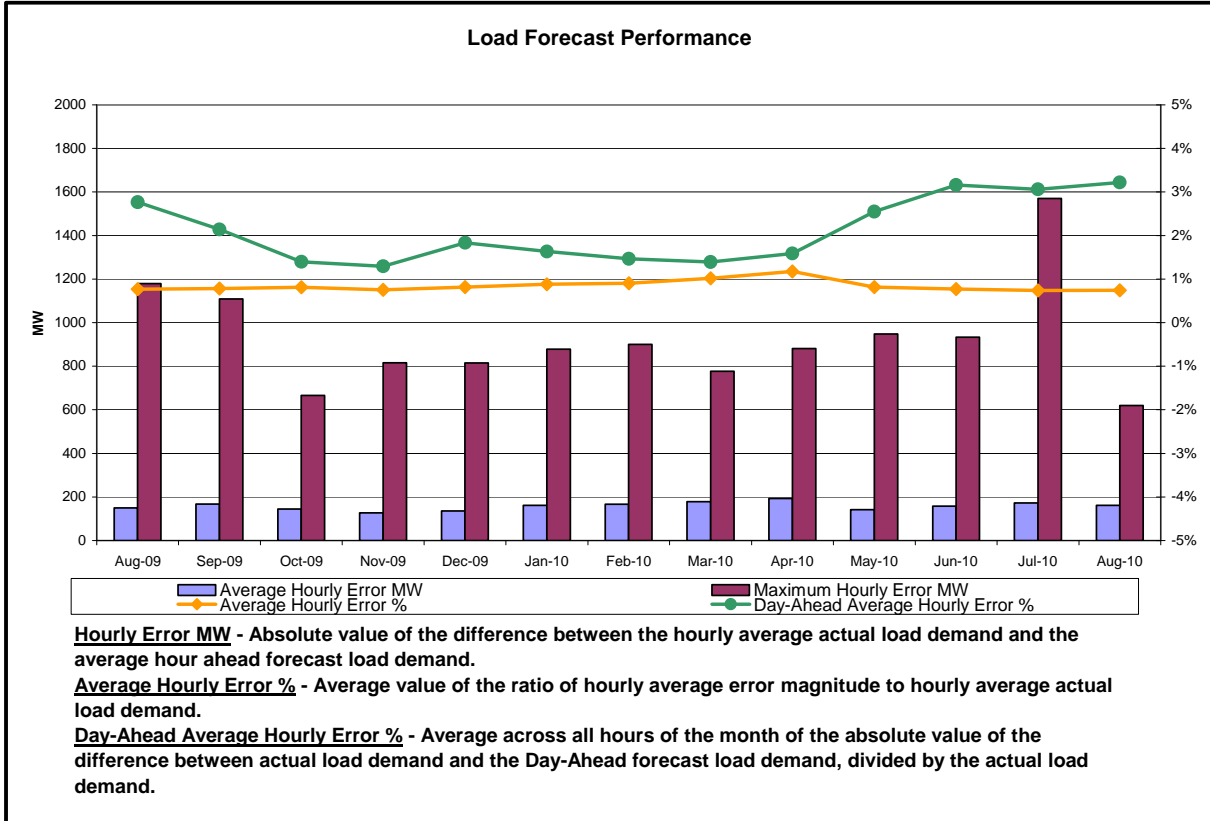
- Peak load of 31,256 MW occurred on August 31 for hour beginning 16
- Lake Erie circulation values are predominately counterclockwise coincident with reduced IESO-MISO schedules. No NYISO declarations of TLR Level 3.
- Beck-Niagara outages are scheduled for Fall 2010. Expected to begin in November with **five** week duration, not contiguous.

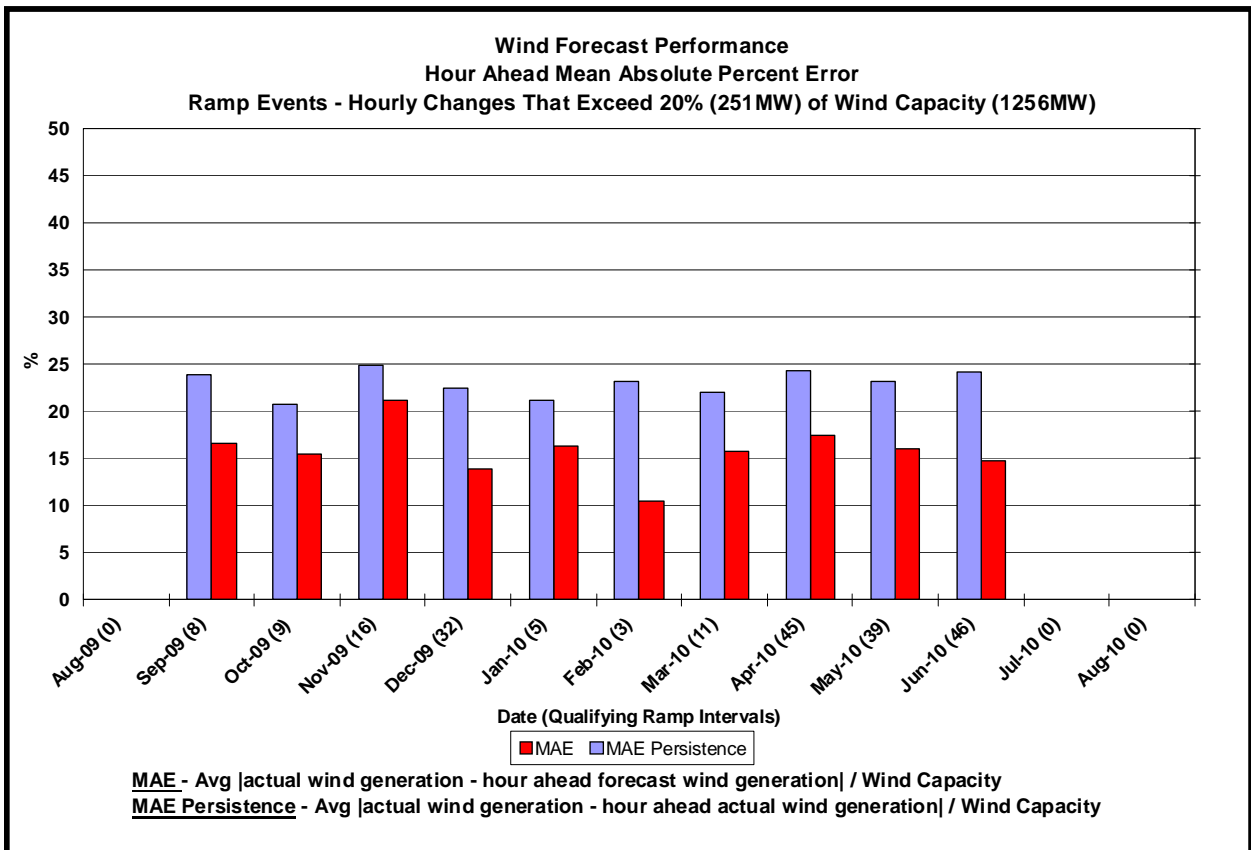
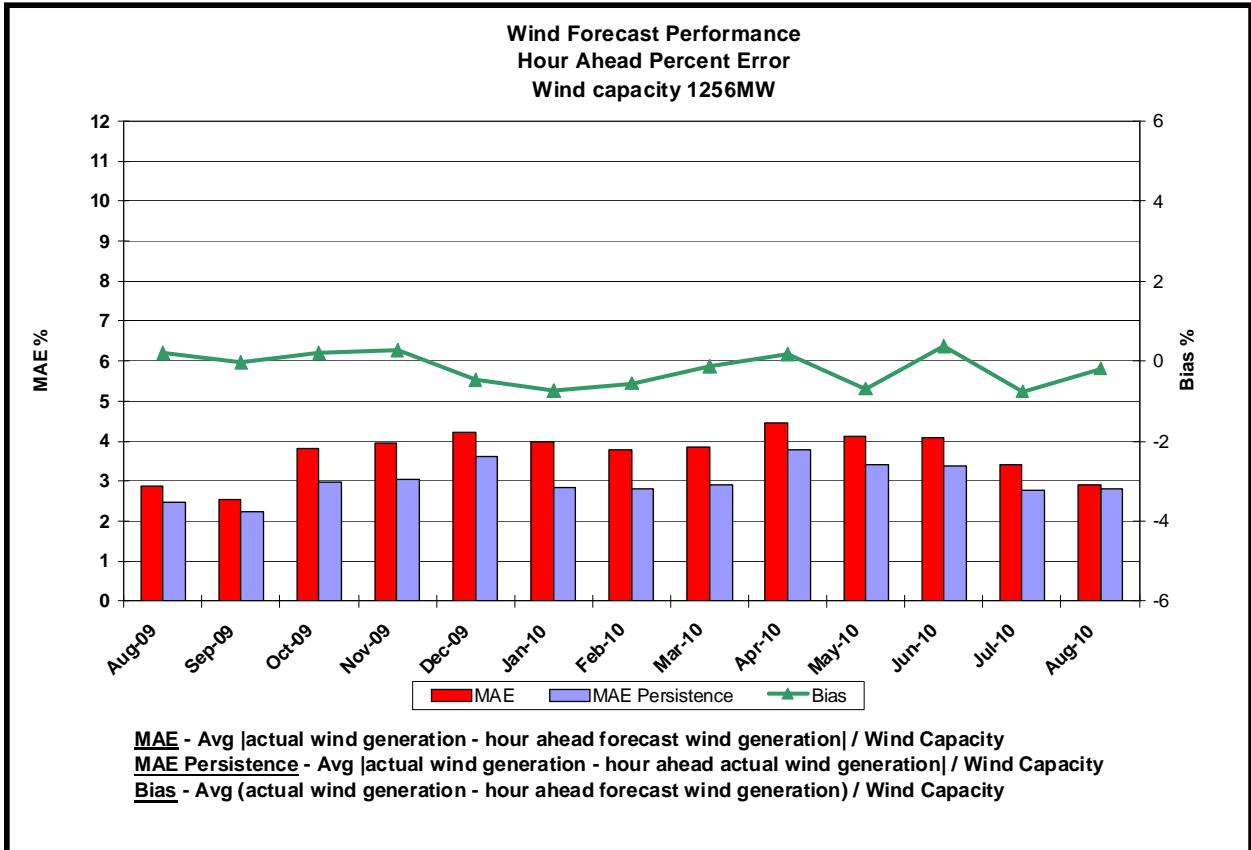
Reliability Performance Metrics

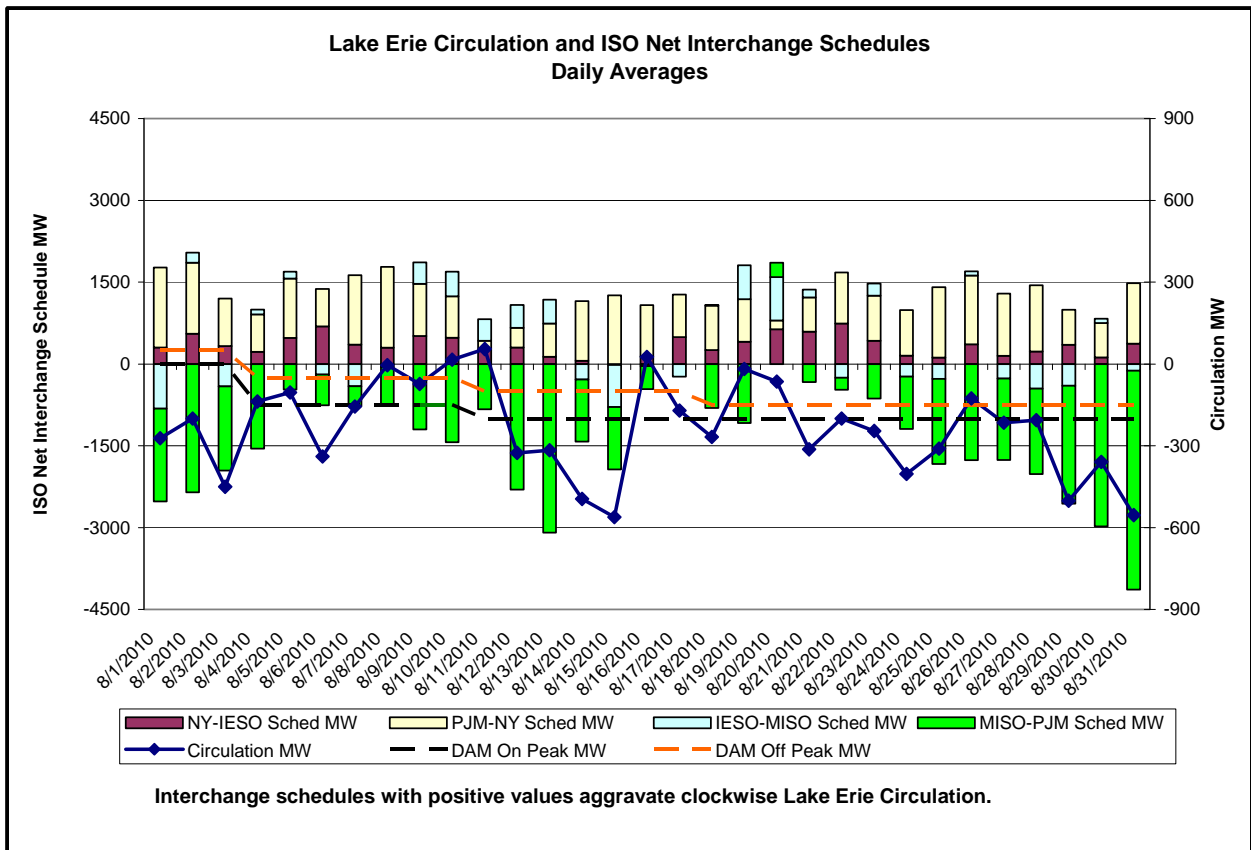
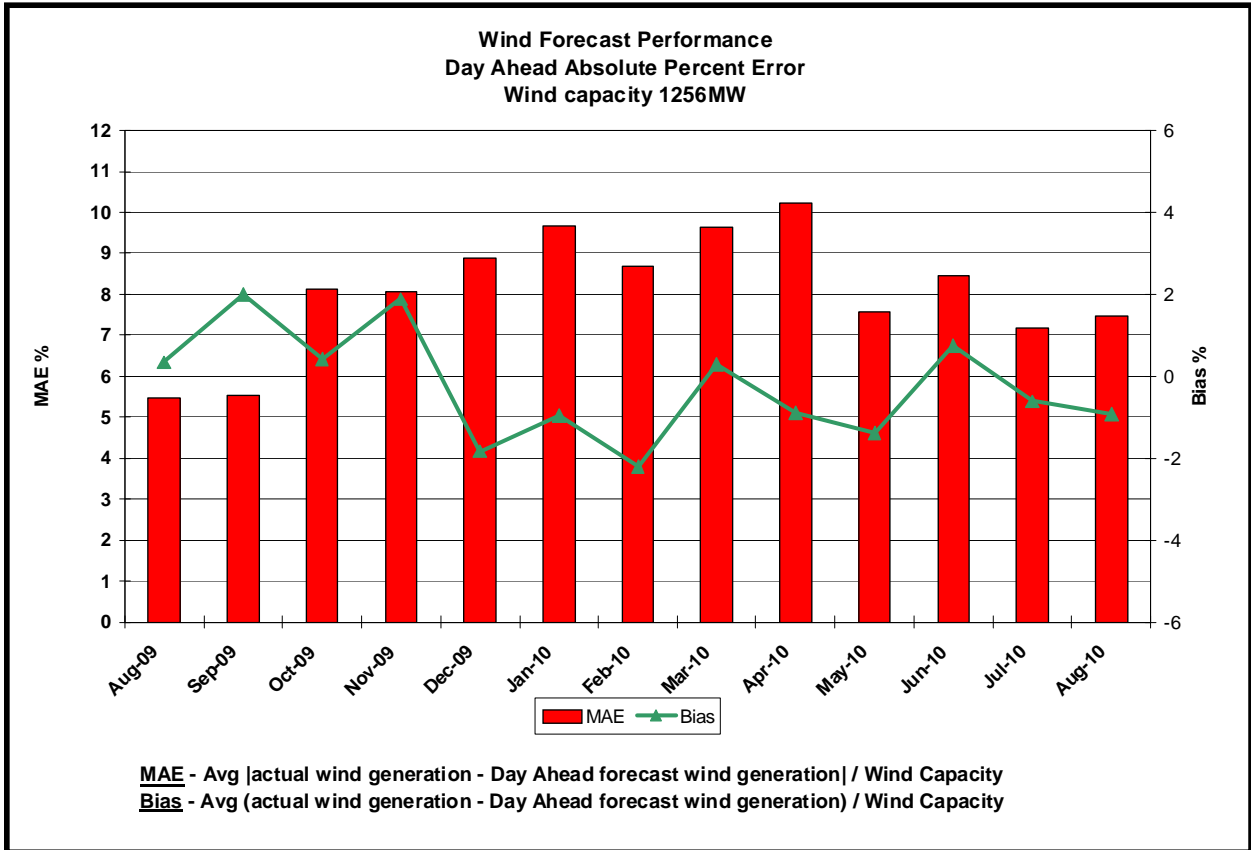




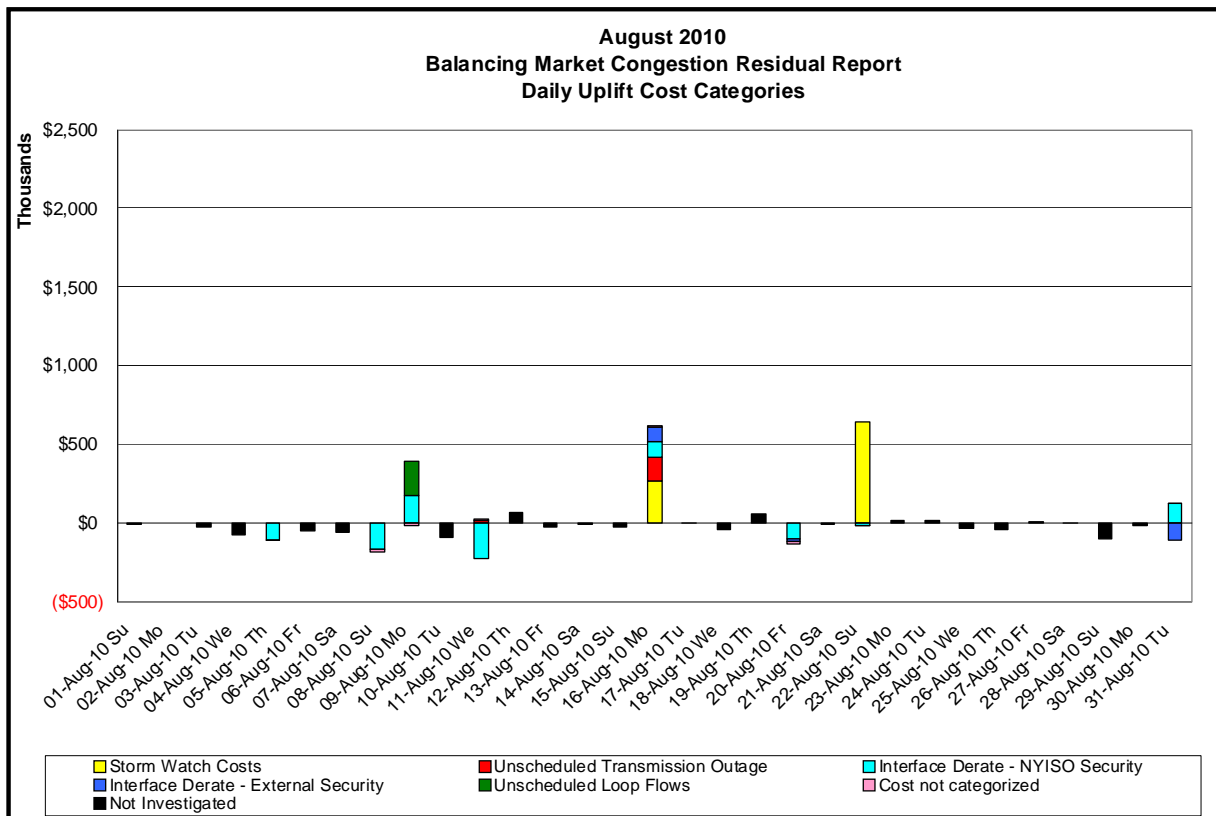
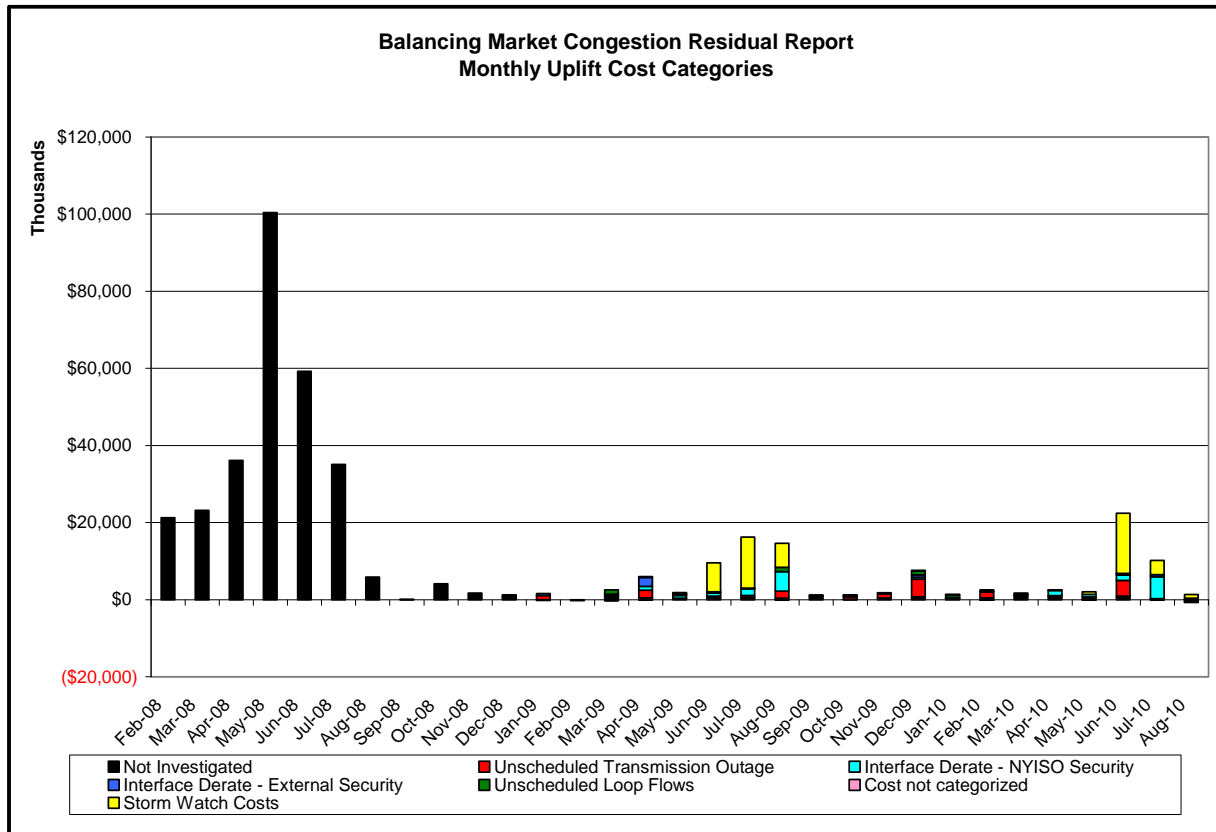








Market Performance Metrics



Day's investigated in August: 5, 8, 9, 11, 16, 20, 22, 31

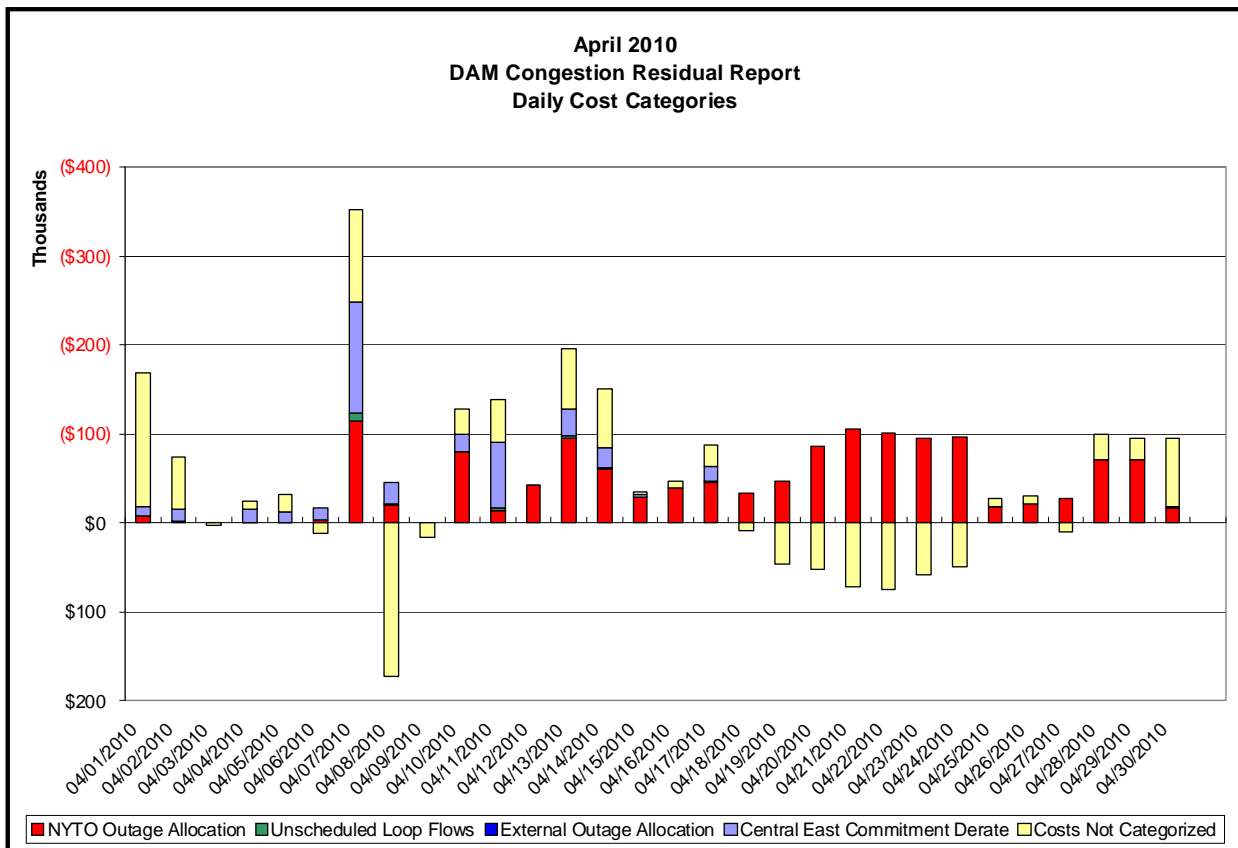
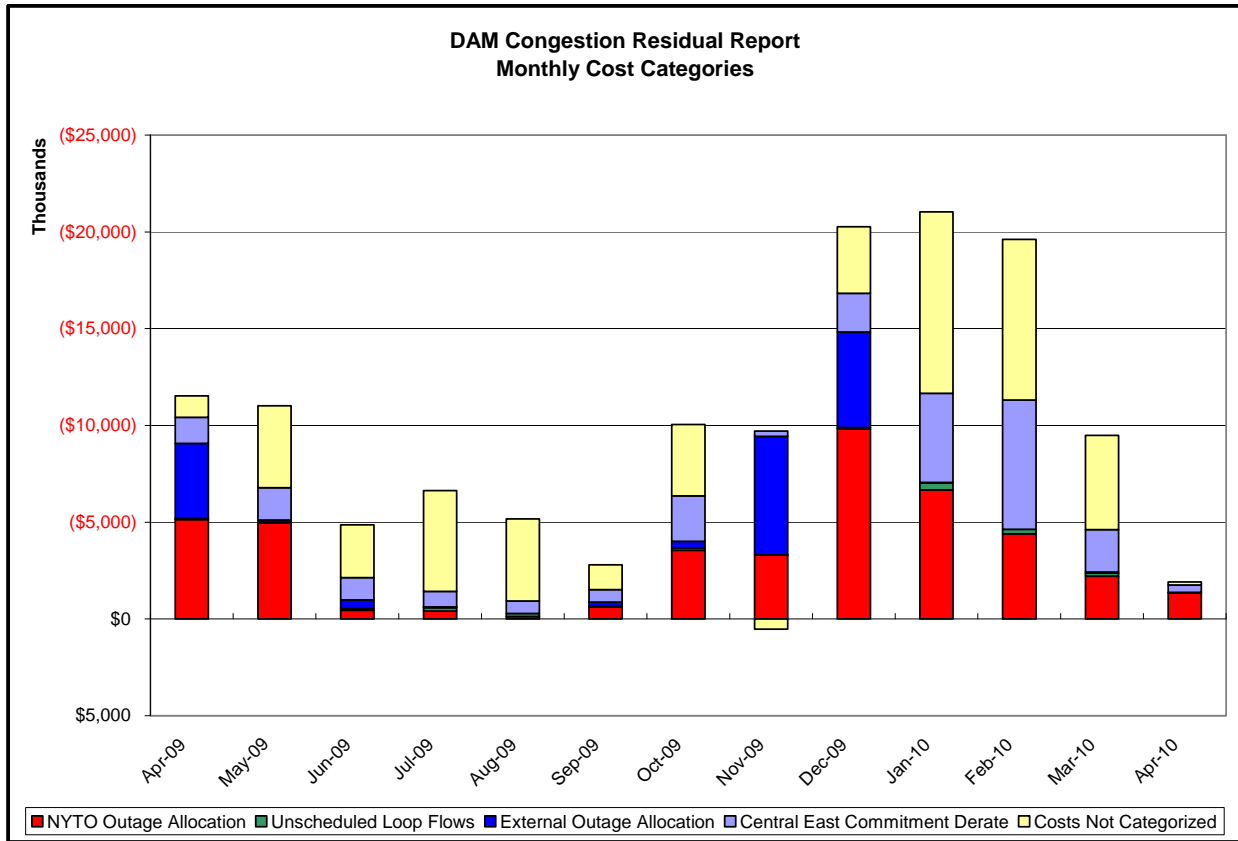
| Event | Date (yyyy) | Hours | Description |
|-------|-------------|----------------------|--|
| | 8/5/2010 | 21 | Derate Dunwoodie-Shore Road 345kV (#Y50) for I/o Sprainbrook-East Garden City 345kV (#Y49) |
| | 8/5/2010 | 12-14,16-17,19,22-23 | Uprate Freshkills-Willow Brook 138kV (#29212) |
| | 8/5/2010 | 16-17 | Uprate GoethalsS-GowanusS 345kV (#26) |
| | 8/5/2010 | 22-23 | Uprate GowanusN-Greenwood 138kV (#42231) |
| | 8/5/2010 | 21 | Derate Greenwood/Staten Island, Greenwood-Vernon (#31231, #31232) |
| | 8/5/2010 | 21 | Derate Sprainbrook-East Garden City 345kV (#Y49) |
| | 8/5/2010 | 16 | NYCA DNI Ramp Limit |
| | 8/5/2010 | 19,21 | PJM DNI Ramp Limit |
| | 8/5/2010 | 12 | NE DNI Ramp Limit |
| | 8/8/2010 | 13-17, 21, 23 | Uprate Freshkills-Willow Brook 138kV (#29212) |
| | 8/9/2010 | 18-19 | NYCA DNI Ramp Limit |
| | 8/9/2010 | 15,17,20 | Derate Dunwoodie-Shore Road 345kV (#Y50) |
| | 8/9/2010 | 20 | Derate Dunwoodie-Shore Road 345kV (#Y50) for I/o Sprainbrook-East Garden City 345kV (#Y49) |
| | 8/9/2010 | 0,7-8,11,18-19 | Uprate Freshkills-Willow Brook 138kV (#29212) |
| | 8/9/2010 | 11,18 | Uprate GoethalsS-GowanusS 345kV (#26) |
| | 8/9/2010 | 13-17 | Derate GoethalsS-GowanusS 345kV (#26) |
| | 8/9/2010 | 13-17 | Derate GowanusN-Greenwood 138kV (#42231) |
| | 8/9/2010 | 15-17,20 | Derate Greenwood/Staten Island, Greenwood-Vernon 138kV (#31231) for I/o Vernon-Greenwood 138kV (#31232) |
| | 8/9/2010 | 13-17 | Derate Leeds-Pleasant Valley 345kV (#91) for I/o Athens-Pleasant Valley 345kV (#92) |
| | 8/9/2010 | 7,8,11,23 | Uprate Sprainbrook-East Garden City 345kV (#Y49) |
| | 8/9/2010 | 14-17 | Lake Erie Clockwise Circulation, DAM-RTM exceeds 300MW: Leeds-Pleasant Valley 345kV (#91) for I/o Athens-Pleasant Valley 345kV (#92) |
| | 8/11/2010 | 23 | Forced outage Sprainbrook-West 49th Street (#M52) |
| | 8/11/2010 | 9-12,19-22 | NYCA DNI Ramp Limit |
| | 8/11/2010 | 8 | Derate Dunwoodie-Shore Road 345kV (#Y50) for I/o Sprainbrook-East Garden City 345kV (#Y49) |
| | 8/11/2010 | 19 | Uprate Freshkills-Willow Brook 138kV (#29212) |
| | 8/11/2010 | 10-11,20 | Uprate GowanusN-Greenwood 138kV (#42231) |
| | 8/11/2010 | 10-11,20 | Uprate GoethalsS-GowanusS 345kV (#26) |
| | 8/11/2010 | 10-11,20 | Uprate GowanusS-Greenwood 138kV (#42232) for I/o TWR:Goethals 22,22,A2253 |
| | 8/11/2010 | 20 | Uprate GowanusN-Greenwood 138kV (#42231) for I/o TWR:Goethals 22,22,A2253 |
| | 8/11/2010 | 8 | Derate Mott Haven-Dunwoodie 345kV (#71) |
| | 8/11/2010 | 15 | Derate Leeds-Pleasant Valley 345kV (#91) for I/o Athens-Pleasant Valley 345kV (#92) |
| | 8/11/2010 | 7, 9-12 | Uprate Sprainbrook-East Garden City 345kV (#Y49) |
| | 8/16/2010 | 14-19 | Thunder Storm Alert |
| | 8/16/2010 | 10-14,18-21 | Forced outage Dunwoodie-Shore Road 345kV (#Y50) |
| | 8/16/2010 | 15 | Derate GoethalsS-GowanusS 345kV (#26) |
| | 8/16/2010 | 12-13 | Derate Leeds-Pleasant Valley 345kV (#91) for I/o Athens-Pleasant Valley 345kV (#92) |
| | 8/16/2010 | 10-11 | Derate Sprainbrook-East Garden City 345kV (#Y49) |
| | 8/16/2010 | 15-16 | HQ-NY Scheduling Limit |
| | 8/20/2010 | 0,23 | NYCA DNI Ramp Limit |
| | 8/20/2010 | 11-12 | Uprate Freshkills-Willow Brook 138kV (#29212) |
| | 8/20/2010 | 11 | Uprate Mott Haven-Rainey 345kV (#Q12) for I/o Mott Haven-Rainey 345kV (#Q11) |
| | 8/20/2010 | 12-14 | Uprate Leeds-Pleasant Valley 345kV (#91) for I/o Athens-Pleasant Valley 345kV (#92) |
| | 8/20/2010 | 11,13,23 | PJM DNI Ramp Limit |
| | 8/22/2010 | 18-21 | Thunder Storm Alert |
| | 8/22/2010 | 10 | Uprate Freshkills-Willow Brook 138kV (#29212) |
| | 8/31/2010 | 0,16,23 | NYCA DNI Ramp Limit |
| | 8/31/2010 | 0 | Derate GowanusN-Greenwood 138kV (#42231) |
| | 8/31/2010 | 0 | Derate GowanusS-Greenwood 138kV (#42232) |
| | 8/31/2010 | 21-23 | Derate Greenwood/Staten Island, Kent Ave.-Vernon 138kV (#31232) & GowanusS-Greenwood 138kV (#42232) |
| | 8/31/2010 | 12-15,17,19-20 | Uprate Freshkills-Willow Brook 138kV (#29212) |
| | 8/31/2010 | 13-15,17,19-20 | Uprate GoethalsS-GowanusS 345kV (#26) |
| | 8/31/2010 | 0 | Derate Rainey-Vernon 138kV (#36312) |
| | 8/31/2010 | 13-15,17-19 | NE-NY Scheduling Limit |
| | 8/31/2010 | 12,20,23 | NE DNI Ramp Limit |
| | 8/31/2010 | 14 | PJM DNI Ramp Limit |

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. | |

