

Monthly Report

October 2011

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Operations Performance Metrics Monthly Report









October 2011 Report

Operations & Reliability Department New York Independent System Operator

Prepared by NYISO Operations Analysis and Services, based on settlements initial invoice data collected on or before November 8, 2011.



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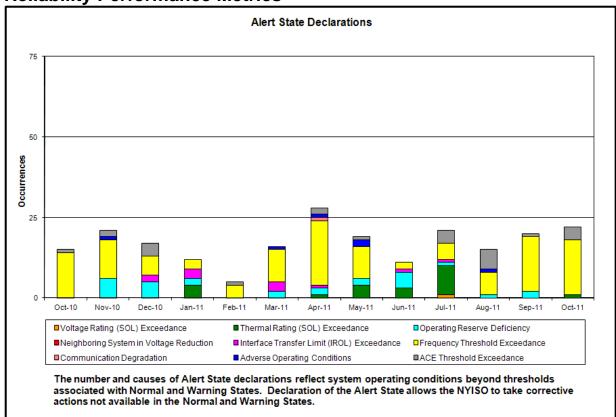


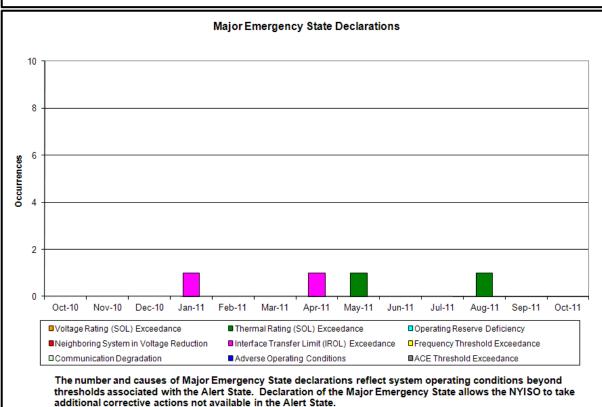
October 2011 Operations Performance Highlights

- Peak load of 21,441 MW occurred on 10/10/2011 HB 19
- All-time summer capability period peak load of 33,939 MW occurred on 8/2/2006 HB13
- 18 hours of Thunder Storm Alerts were declared.
- Continued Levels of Clockwise Lake Erie Loop Flows
 - 24 hours of NERC TLR level 3 curtailments
- Simultaneous, Beck Niagara and Beck Packard outages are scheduled for Fall 2011, beginning December 5 and ending December 16

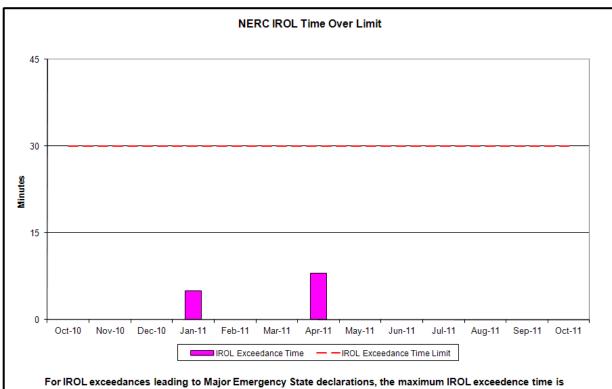


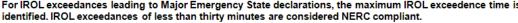
Reliability Performance Metrics

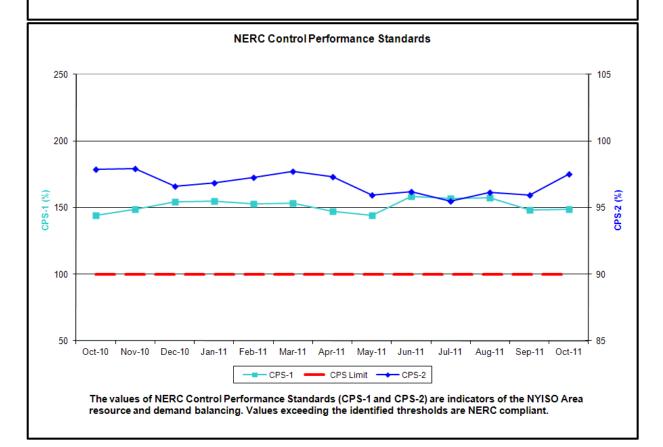




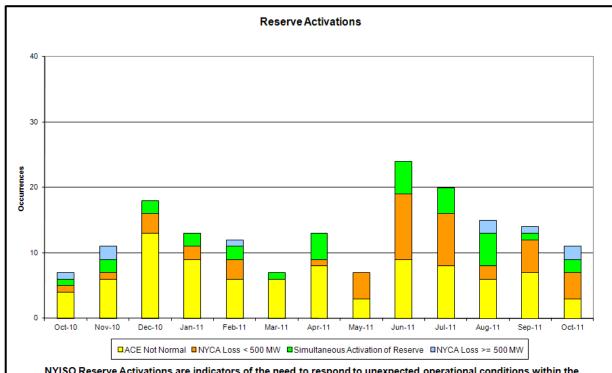




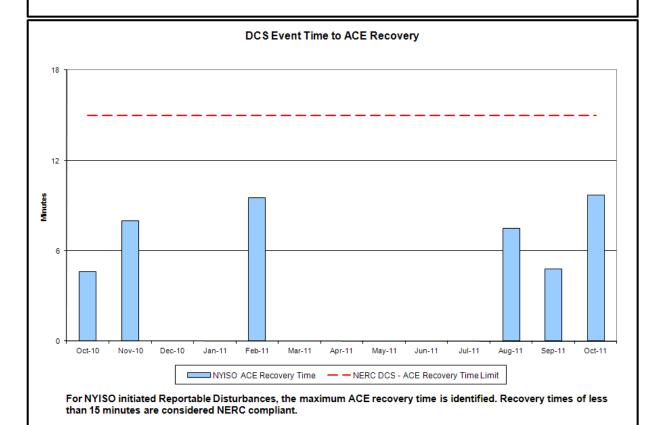




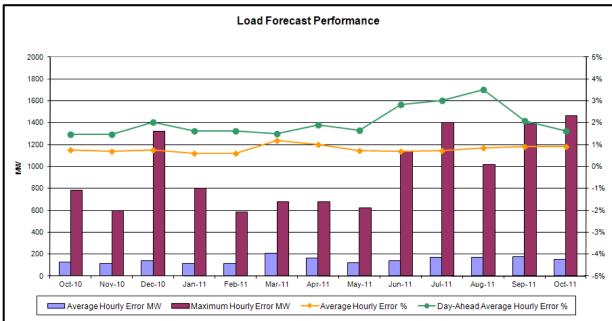




NYISO Reserve Activations are indicators of the need to respond to unexpected operational conditions within the NYISO Area or to assist a neighboring Area (Shared Activation of Reserves) by activating an immediate resource and demand balancing operation.



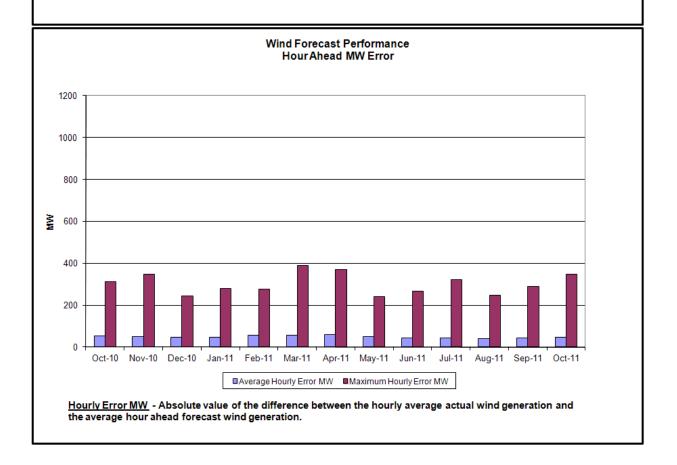




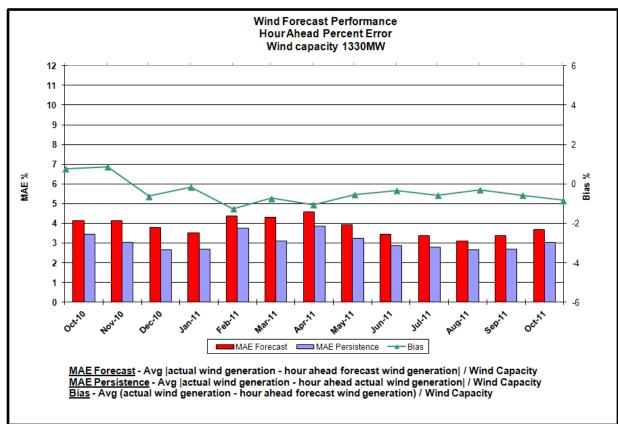
<u>Hourly Error MW</u> - Absolute value of the difference between the hourly average actual load demand and the average hour ahead forecast load demand.

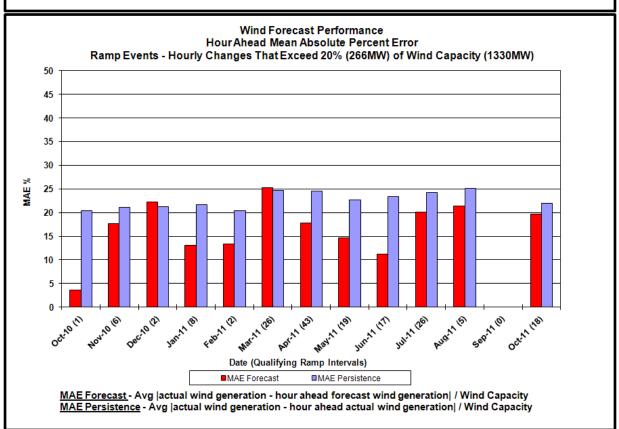
<u>Average Hourly Error %</u> - Average value of the ratio of hourly average error magnitude to hourly average actual load demand.

<u>Day-Ahead Average Hourly Error %</u> - Average across all hours of the month of the absolute value of the difference between actual load demand and the Day-Ahead forecast load demand, divided by the actual load demand.

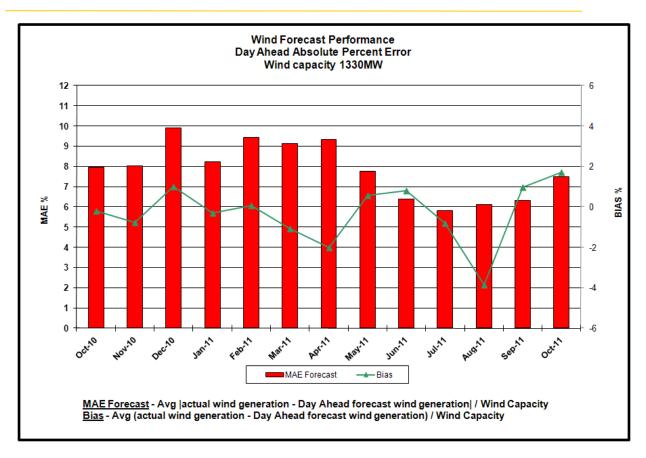




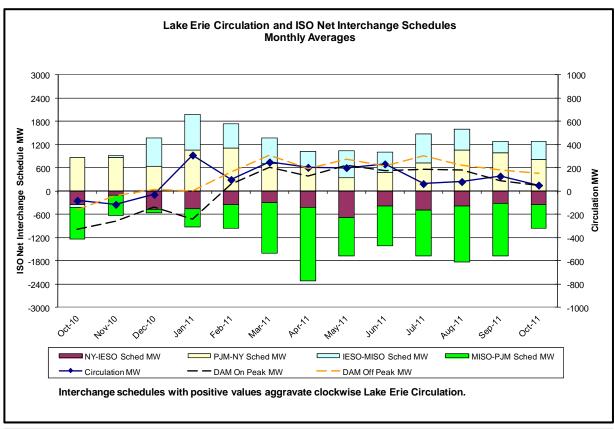


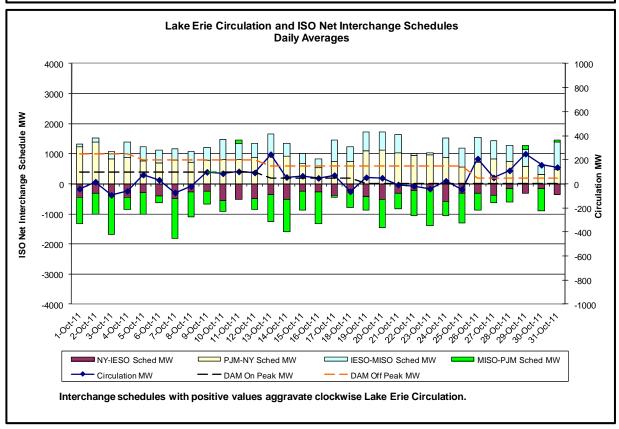






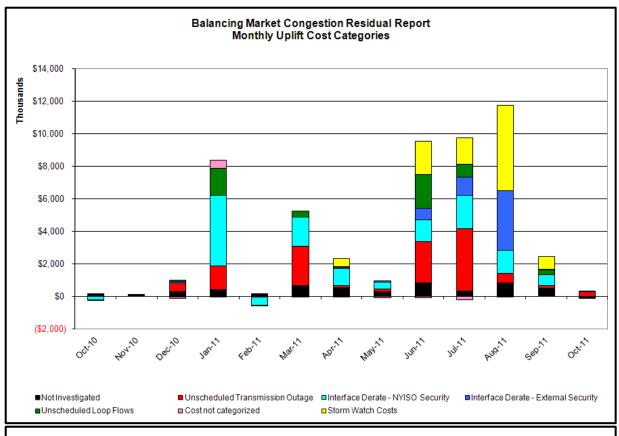


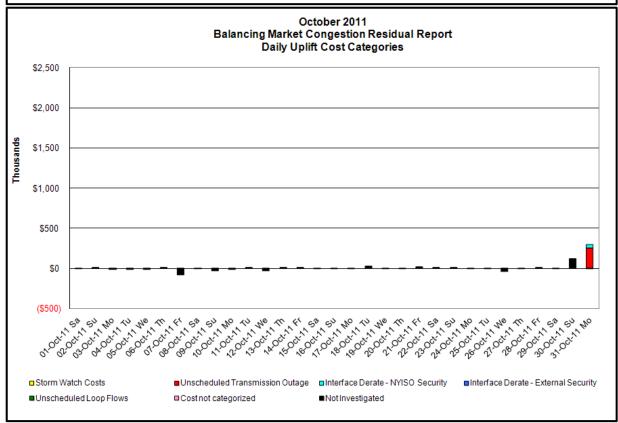






Market Performance Metrics





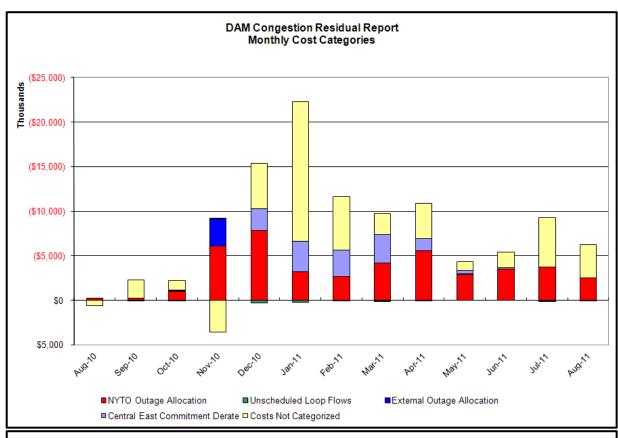


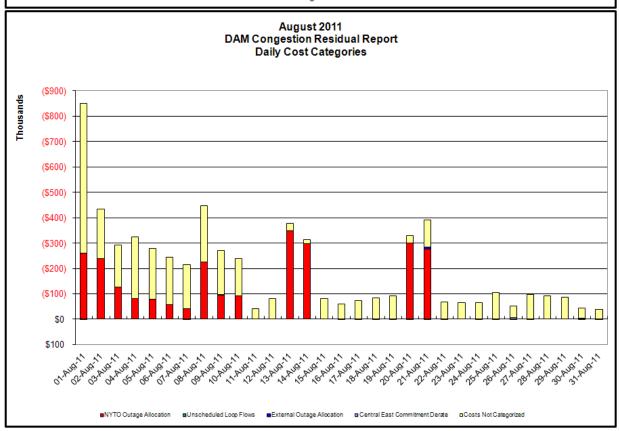
Day's	investigated in Oct	ober:31	
Event	Date (yyyymmdd)	Hours	Description
	10/31/2011	0-22	Extended outage Sprainbrook-East Garden City 345kV (#Y49)
	10/31/2011	16-20	Derate Greenwood/Staten Island

lancing Market Con	gestion Residual (Uplift Cost) Categ	<u>ories</u>
<u>Cost Assignment</u> Zone J	<u>Events Types</u> Thunderstorm Alert (TSA)	<u>Event Examples</u> TSA Activations
Market-wide	Reduction in DAM to RTM transfers related to unscheduled transmission outage	Forced Line Outage, Unit AVR Outages
Market-wide	Reduction in DAM to RTM transfers not related to transmission outage	Interface Derates due to RTM voltages
Market-wide	Reduction in DAM to RTM transfers related to External Control Area Security Events	TLR Events, External Transaction Curtailments
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 125 MW
	Cost Assignment Zone J Market-wide Market-wide Market-wide	Market-wide Reduction in DAM to RTM transfers related to unscheduled transmission outage Market-wide Reduction in DAM to RTM transfers not related to transmission outage Market-wide Reduction in DAM to RTM transfers related to External Control Area Security Events Market-wide Changes in DAM to RTM unscheduled loop flows impacting NYISO Interface transmission

- 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.



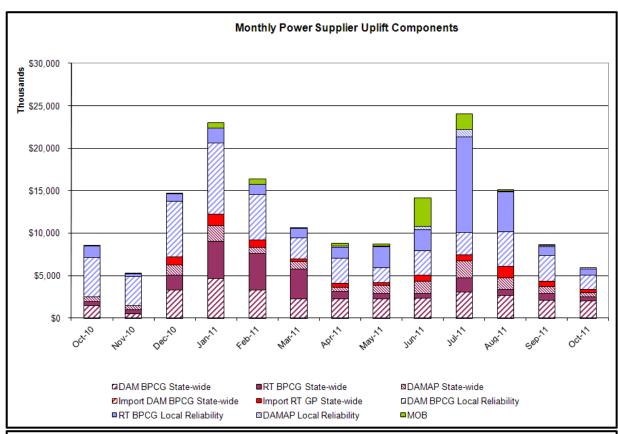


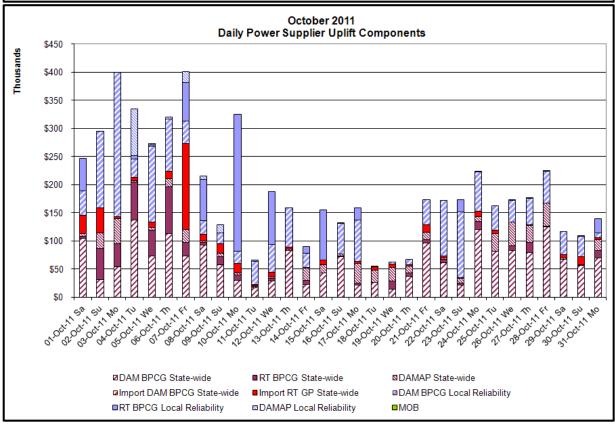




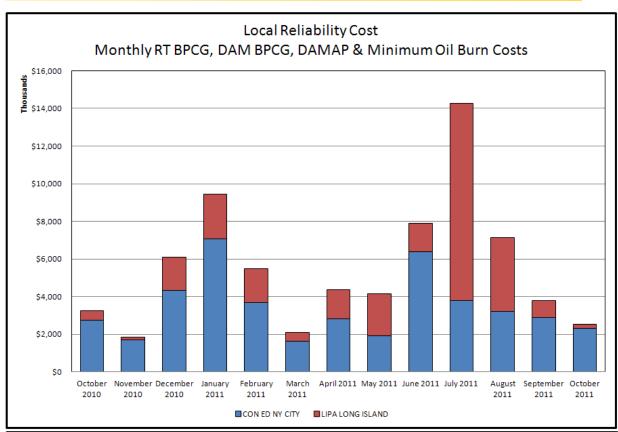
	Day-	Ahead Market Co	ngestion Residual Categories	
Category NYTO Outage	Allocation	<u>Cost Assignment</u> Responsible TO	Events Types Direct allocation to NYTO's responsible for transmission equipment status change.	Event Examples DAM scheduled outage for equipment modeled inservice for the TCC Auction.
Unscheduled I	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 Outa	ge 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 C	ommitment 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.	

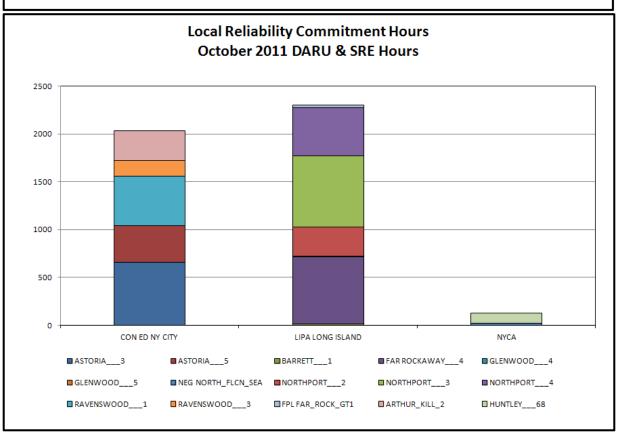




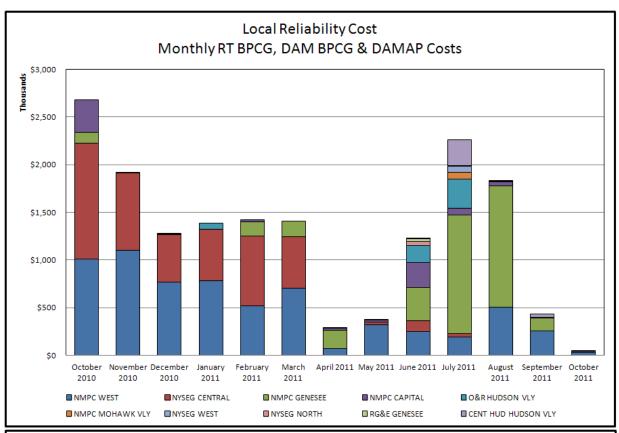


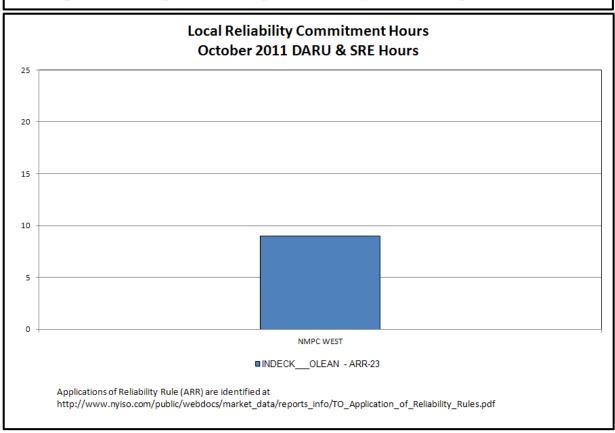




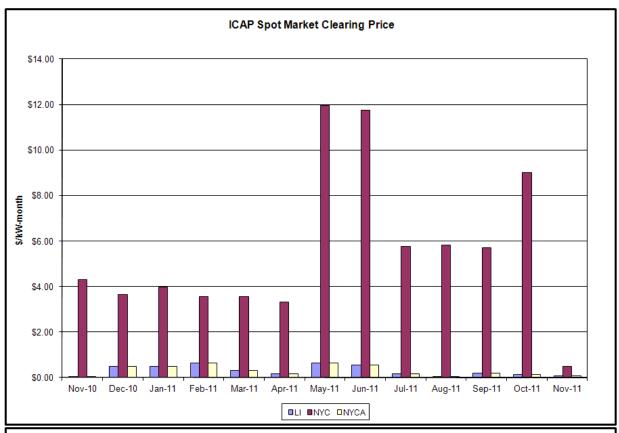


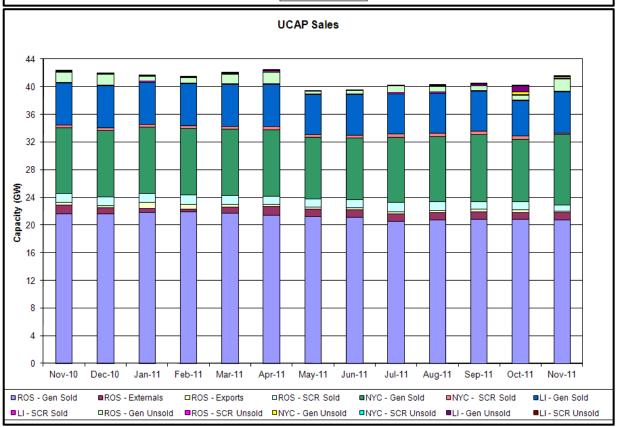








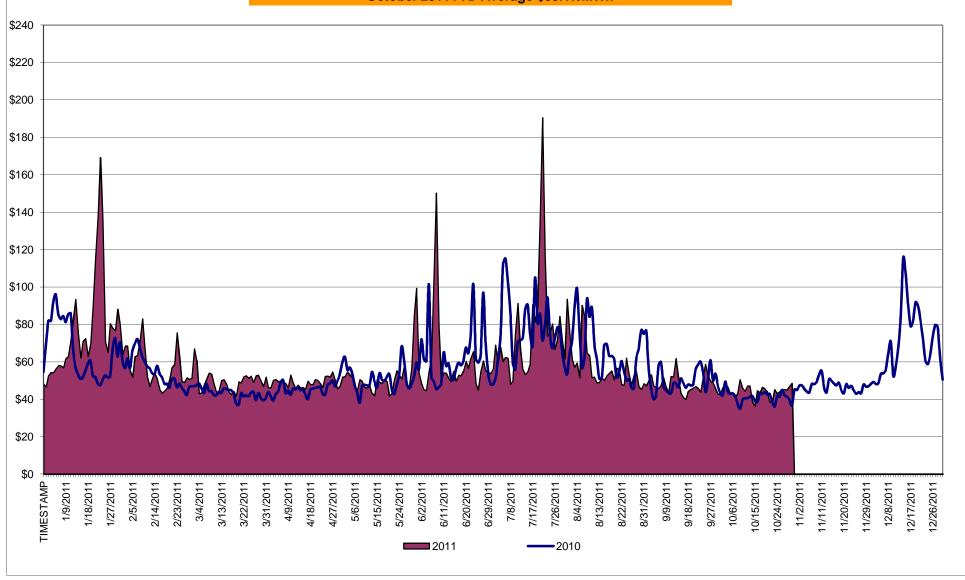




Market Performance Highlights for October 2011

- LBMP for October is \$42.48/MWh, down from \$46.86/MWh in September 2011.
 - Day Ahead and Real Time Load Weighted LBMPs have decreased from September 2011.
- Average monthly year-to-date cost of \$59.17/MWh, a decrease from the previous month, \$60.65/MWh.
- Average daily sendout is 403GWh/day in October; lower than 456GWh/day in September 2011 and higher than 393GWh/day in October 2010.
- Natural gas is down and distillates are mixed compared to the previous month
 - Kerosene is \$22.61/MMBtu, down from \$22.77/MMBtu in September.
 - No. 2 Fuel Oil is \$20.99/MMBtu, up from \$20.98/MMBtu in September.
 - No. 6 Fuel Oil is \$18.34/MMBtu, up from \$17.77/MMBtu in September.
 - Natural Gas is \$3.78/MMBtu, down from \$4.14/MMBtu in September.
- Uplift per MWh is lower compared to the previous month.
 - Uplift (not including NYISO cost of operations) is -\$0.25/MWh, lower than \$0.03/ MWh in September:
 - The TSA Share is \$0.00/MWh
 - The Local Reliability Share is -\$0.10/MWh
 - The Other Share is -\$0.15/MWh
 - Total uplift (Schedule 1 components including NYISO Cost of Operations) is lower compared to September.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)* 2010 Annual Average \$58.94/MWh October 2010YTD Average \$58.89/MWh October 2011YTD Average \$59.17/MWh

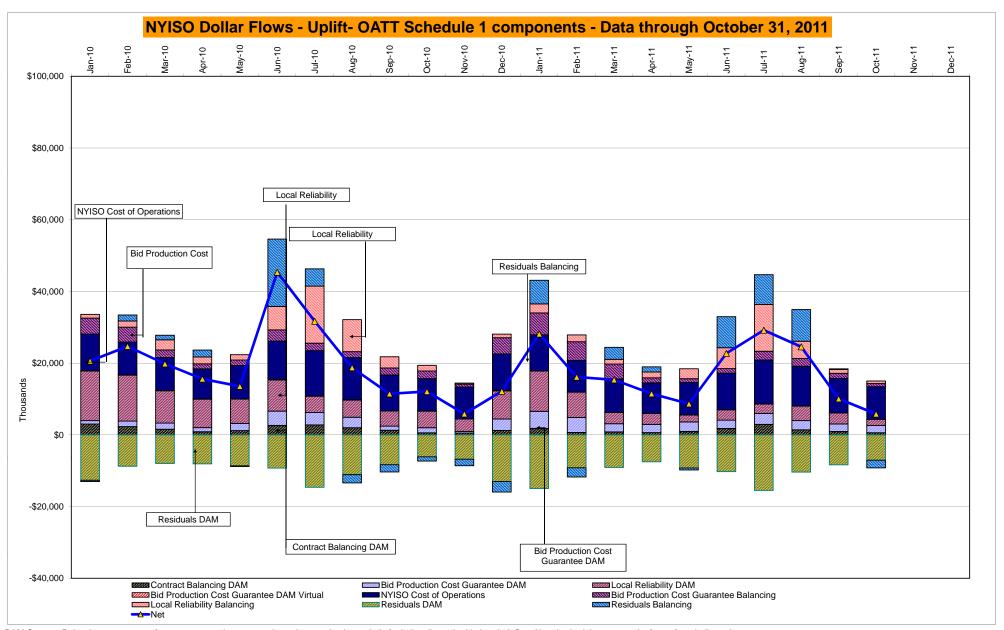


^{*} Excludes ICAP payments.

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

2011	<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	74.91	55.60	46.98	46.44	48.49	60.32	75.75	56.04	46.86	42.48		
NTAC	0.62	0.75	0.86	0.81	1.13	1.23	0.66	0.60	0.43	0.56		
Reserve	0.44	0.50	0.41	0.43	0.48	0.28	0.28	0.13	0.25	0.41		
Regulation	0.20	0.18	0.15	0.12	0.10	0.15	0.12	0.09	0.08	0.09		
NYISO Cost of Operations	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70		
Uplift	1.26	0.58	0.45	0.25	(0.02)	0.94	1.01	0.89	0.03	(0.25)		
Uplift: TSA Share	-	-	-	0.01	-	0.30	0.08	0.28	0.00	-		
Uplift: Local Reliability Share	0.62	0.32	0.13	0.10	(0.01)	0.36	0.54	0.32	0.01	(0.10)		
Uplift: Other Share	0.65	0.26	0.32	0.14	(0.01)	0.28	0.39	0.29	0.01	(0.15)		
Voltage Support and Black Start	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37		
Avg Monthly Cost	78.50	58.69	49.92	49.12	51.24	63.98	78.87	58.83	48.71	44.36		
Avg YTD Cost	78.50	68.82	62.36	59.15	57.53	58.77	62.74	62.15	60.65	59.17		
2010	January	February	March	April	Mav	June	July	August	September	October	November	December
2010	January 63 90	February 52 42	March 40 18	<u>April</u> 41 57	<u>May</u> 48 83	<u>June</u> 59 12	<u>July</u> 74 84	August 65.00	September 51.33	October 39 29	November 44 96	December 67.33
LBMP	63.90	52.42	40.18	41.57	48.83	59.12	74.84	65.00	51.33	39.29	44.96	67.33
LBMP NTAC	63.90 0.70	52.42 0.77	40.18 0.88	41.57 1.18	48.83 0.95	59.12 1.45	74.84 0.95	65.00 0.60	51.33 0.30	39.29 0.45	44.96 0.64	67.33 0.59
LBMP NTAC Reserve	63.90 0.70 0.19	52.42 0.77 0.17	40.18 0.88 0.26	41.57 1.18 0.29	48.83 0.95 0.32	59.12 1.45 0.14	74.84 0.95 0.21	65.00 0.60 0.18	51.33 0.30 0.21	39.29 0.45 0.32	44.96 0.64 0.25	67.33 0.59 0.40
LBMP NTAC Reserve Regulation	63.90 0.70 0.19 0.44	52.42 0.77 0.17 0.37	40.18 0.88 0.26 0.40	41.57 1.18 0.29 0.32	48.83 0.95 0.32 0.30	59.12 1.45 0.14 0.31	74.84 0.95 0.21 0.32	65.00 0.60 0.18 0.35	51.33 0.30 0.21 0.27	39.29 0.45 0.32 0.16	44.96 0.64 0.25 0.14	67.33 0.59 0.40 0.16
LBMP NTAC Reserve Regulation NYISO Cost of Operations	63.90 0.70 0.19 0.44 0.71	52.42 0.77 0.17 0.37 0.71	40.18 0.88 0.26 0.40 0.71	41.57 1.18 0.29 0.32 0.71	48.83 0.95 0.32 0.30 0.71	59.12 1.45 0.14 0.31 0.71	74.84 0.95 0.21 0.32 0.71	65.00 0.60 0.18 0.35 0.71	51.33 0.30 0.21 0.27 0.71	39.29 0.45 0.32 0.16 0.71	44.96 0.64 0.25 0.14 0.71	67.33 0.59 0.40 0.16 0.71
LBMP NTAC Reserve Regulation NYISO Cost of Operations Uplift	63.90 0.70 0.19 0.44	52.42 0.77 0.17 0.37	40.18 0.88 0.26 0.40	41.57 1.18 0.29 0.32	48.83 0.95 0.32 0.30	59.12 1.45 0.14 0.31	74.84 0.95 0.21 0.32	65.00 0.60 0.18 0.35	51.33 0.30 0.21 0.27	39.29 0.45 0.32 0.16	44.96 0.64 0.25 0.14	67.33 0.59 0.40 0.16
LBMP NTAC Reserve Regulation NYISO Cost of Operations Uplift Uplift: TSA Share	63.90 0.70 0.19 0.44 0.71 0.73	52.42 0.77 0.17 0.37 0.71 1.21	40.18 0.88 0.26 0.40 0.71 0.81	41.57 1.18 0.29 0.32 0.71	48.83 0.95 0.32 0.30 0.71 0.32	59.12 1.45 0.14 0.31 0.71 2.36	74.84 0.95 0.21 0.32 0.71 1.09	65.00 0.60 0.18 0.35 0.71 0.43	51.33 0.30 0.21 0.27 0.71 0.12	39.29 0.45 0.32 0.16 0.71 0.24	44.96 0.64 0.25 0.14 0.71 (0.24)	67.33 0.59 0.40 0.16 0.71
LBMP NTAC Reserve Regulation NYISO Cost of Operations Uplift	63.90 0.70 0.19 0.44 0.71 0.73	52.42 0.77 0.17 0.37 0.71 1.21	40.18 0.88 0.26 0.40 0.71 0.81	41.57 1.18 0.29 0.32 0.71 0.62	48.83 0.95 0.32 0.30 0.71 0.32 0.03	59.12 1.45 0.14 0.31 0.71 2.36 0.69	74.84 0.95 0.21 0.32 0.71 1.09 0.30	65.00 0.60 0.18 0.35 0.71 0.43 0.02	51.33 0.30 0.21 0.27 0.71 0.12 0.04	39.29 0.45 0.32 0.16 0.71 0.24 0.00	44.96 0.64 0.25 0.14 0.71	67.33 0.59 0.40 0.16 0.71 0.13
LBMP NTAC Reserve Regulation NYISO Cost of Operations Uplift Uplift: TSA Share Uplift: Local Reliability Share	63.90 0.70 0.19 0.44 0.71 0.73	52.42 0.77 0.17 0.37 0.71 1.21	40.18 0.88 0.26 0.40 0.71 0.81	41.57 1.18 0.29 0.32 0.71 0.62	48.83 0.95 0.32 0.30 0.71 0.32 0.03 0.19	59.12 1.45 0.14 0.31 0.71 2.36 0.69 0.79	74.84 0.95 0.21 0.32 0.71 1.09 0.30 0.71	65.00 0.60 0.18 0.35 0.71 0.43 0.02 0.32	51.33 0.30 0.21 0.27 0.71 0.12 0.04 0.08	39.29 0.45 0.32 0.16 0.71 0.24 0.00 0.12	44.96 0.64 0.25 0.14 0.71 (0.24)	67.33 0.59 0.40 0.16 0.71 0.13
LBMP NTAC Reserve Regulation NYISO Cost of Operations Uplift Uplift: TSA Share Uplift: Local Reliability Share Uplift: Other Share	63.90 0.70 0.19 0.44 0.71 0.73	52.42 0.77 0.17 0.37 0.71 1.21 - 0.71 0.50	40.18 0.88 0.26 0.40 0.71 0.81 - 0.48 0.33	41.57 1.18 0.29 0.32 0.71 0.62 - 0.39 0.23	48.83 0.95 0.32 0.30 0.71 0.32 0.03 0.19 0.10	59.12 1.45 0.14 0.31 0.71 2.36 0.69 0.79 0.88	74.84 0.95 0.21 0.32 0.71 1.09 0.30 0.71 0.08	65.00 0.60 0.18 0.35 0.71 0.43 0.02 0.32 0.09	51.33 0.30 0.21 0.27 0.71 0.12 0.04 0.08 0.01	39.29 0.45 0.32 0.16 0.71 0.24 0.00 0.12 0.12	44.96 0.64 0.25 0.14 0.71 (0.24) - (0.15) (0.08)	67.33 0.59 0.40 0.16 0.71 0.13

^{*} Excludes ICAP payments.



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

<u>2011</u>	January	February	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
Day Ahead Market MWh	14,146,283	12,514,435	13,164,026	12,191,562	12,809,240	14,520,490	17,296,367	15,872,137	14,052,940	13,263,167		
DAM LSE Internal LBMP Energy Sales	49%	54%	53%	55%	55%	57%	60%	62%	59%	54%		
DAM External TC LBMP Energy Sales	1%	1%	2%	2%	1%	1%	2%	1%	1%	4%		
DAM Bilateral - Internal Bilaterals	42%	43%	43%	41%	41%	39%	36%	35%	39%	41%		
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%	1%	2%	2%	2%	1%	1%	1%	1%	2%		
DAM Bilateral - Wheel Through Bilaterals	1%	1%	1%	0%	1%	1%	1%	1%	1%	0%		
Balancing Energy Market MWh	311,996	210,141	250,346	35,939	192,443	46,832	221,066	-34,581	-204,604	-204,312		
Balancing Energy LSE Internal LBMP Energy Sales	28%	24%	39%	-226%	40%	-127%	29%	-350%	-147%	-181%		
Balancing Energy External TC LBMP Energy Sales	48%	50%	50%	197%	39%	256%	77%	301%	53%	59%		
Balancing Energy Bilateral - Internal Bilaterals	15%	7%	8%	47%	14%	35%	0%	-1%	5%	11%		
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	6%	14%	13%	83%	10%	30%	6%	36%	8%	10%		
Balancing Energy Bilateral - Wheel Through Bilaterals	3%	5%	-10%	-1%	-2%	-94%	-12%	-87%	-18%	1%		
Transactions Summary												
LBMP	51%	55%	55%	57%	57%	59%	63%	63%	59%	56%		
Internal Bilaterals	42%	42%	42%	41%	41%	39%	36%	36%	39%	42%		
Import Bilaterals	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%		
Export Bilaterals	2%	2%	2%	2%	2%	1%	1%	1%	1%	2%		
Wheels Through	1%	1%	1%	0%	1%	1%	1%	1%	0%	0%		
Market Share of Total Load												
Day Ahead Market	97.8%	98.3%	98.1%	99.7%	98.5%	99.7%	98.7%	100.2%	101.5%	101.6%		
Balancing Energy +	2.2%	1.7%	1.9%	0.3%	1.5%	0.3%	1.3%	-0.2%	-1.5%	-1.6%		
Total MWH	14,458,279	12,724,575	13,414,372		13,001,683	14,567,323				13,058,855		
Average Daily Energy Sendout/Month GWh	457	447	422	398	411	479	555	505	456	403		
2010	January	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	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	-	15,536,711	13,386,982	12,377,928	12,151,670	13,790,802
DAM LSE Internal LBMP Energy Sales	49%	46%	47%	53%	47%	49%	53%	51%	47%	43%	45%	46%
DAM External TC LBMP Energy Sales	49% 2%	3%	1%	1%	1%	2%	3%	2%	3%	43% 4%	43% 2%	2%
DAM External To Library Sales DAM Bilateral - Internal Bilaterals	41%	43%	43%	39%	44%	42%	38%	40%	43%	45%	46%	45%
DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals	6%	5%	5%	4%	5%	5%	4%	4%	5%	6%	5%	5%
DAM Bilateral - Import/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%	1%	2%	2%	2%	1%	1%	1%	1%	2%	2%	1%
DAM Bilateral - Export Non-Ebili Market Bilaterals DAM Bilateral - Wheel Through Bilaterals	2%	1%	1%	1%	1%	1%	1%	1%	1%	0%	0%	1%
Balancing Energy Market MWh	377,241	287,393	29.273	-358	341,917	735,317	1,162,369	899,856	698,095	300,393	393,673	527,915
Balancing Energy LSE Internal LBMP Energy Sales	40%	54%	-280%	-25177%	61%	87%	94%	75%	76%	74%	57%	55%
Balancing Energy External TC LBMP Energy Sales	56%	49%	429%	30394%	44%	11%	9%	26%	23%	25%	30%	32%
Balancing Energy Bilateral - Internal Bilaterals	10%	7%	137%	12155%	7%	10%	3%	4%	4%	5%	5%	10%
Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	2%	63%	1%	0%	0%	0%	4% 1%	0%	0%	0%
Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals			84%	6409%	6%	3%	1%	2%	3%	8%	7%	3%
		20/									1 /0	
	7% -12%	8% -18%								-12%	0%	-10/-
Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary	-12%	-18%	-272%	-23944%	-19%	-10%	-7%	-7%	-6%	-12%	0%	-1%
Transactions Summary	-12%	-18%	-272%	-23944%	-19%	-10%	-7%	-7%	-6%			
Transactions Summary LBMP	-12% 52%	-18% 50%	-272% 49%	-23944% 54%	-19% 50%	-10% 54%	-7% 59%	-7% 56%	-6% 53%	48%	48%	49%
Transactions Summary LBMP Internal Bilaterals	-12% 52% 40%	-18% 50% 43%	-272% 49% 43%	-23944% 54% 39%	-19% 50% 43%	-10% 54% 40%	-7% 59% 36%	-7% 56% 38%	-6% 53% 41%	48% 44%	48% 45%	49% 43%
Transactions Summary LBMP Internal Bilaterals Import Bilaterals	-12% 52% 40% 5%	-18% 50% 43% 5%	-272% 49% 43% 5%	-23944% 54% 39% 4%	-19% 50% 43% 5%	-10% 54% 40% 5%	-7% 59% 36% 4%	-7% 56% 38% 4%	-6% 53% 41% 5%	48% 44% 6%	48% 45% 5%	49% 43% 5%
Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals	-12% 52% 40% 5% 2%	-18% 50% 43% 5% 2%	-272% 49% 43% 5% 2%	-23944% 54% 39% 4% 2%	-19% 50% 43% 5% 2%	-10% 54% 40% 5% 1%	-7% 59% 36% 4% 1%	-7% 56% 38% 4% 1%	-6% 53% 41% 5% 1%	48% 44% 6% 2%	48% 45% 5% 2%	49% 43% 5% 2%
Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Wheels Through	-12% 52% 40% 5%	-18% 50% 43% 5%	-272% 49% 43% 5%	-23944% 54% 39% 4%	-19% 50% 43% 5%	-10% 54% 40% 5%	-7% 59% 36% 4%	-7% 56% 38% 4%	-6% 53% 41% 5%	48% 44% 6%	48% 45% 5%	49% 43% 5%
Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Wheels Through Market Share of Total Load	-12% 52% 40% 5% 2% 1%	-18% 50% 43% 5% 2% 1%	-272% 49% 43% 5% 2% 1%	-23944% 54% 39% 4% 2% 1%	-19% 50% 43% 5% 2% 0%	-10% 54% 40% 5% 1% 0%	-7% 59% 36% 4% 1% 0%	-7% 56% 38% 4% 1% 0%	-6% 53% 41% 5% 1% 0%	48% 44% 6% 2% 0%	48% 45% 5% 2% 0%	49% 43% 5% 2% 0%
Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market	-12% 52% 40% 5% 2% 1% 97.4%	-18% 50% 43% 5% 2% 1%	-272% 49% 43% 5% 2% 1%	-23944% 54% 39% 4% 2% 1%	-19% 50% 43% 5% 2% 0% 97.4%	-10% 54% 40% 5% 1% 0% 95.1%	-7% 59% 36% 4% 1% 0%	-7% 56% 38% 4% 1% 0%	-6% 53% 41% 5% 1% 0%	48% 44% 6% 2% 0%	48% 45% 5% 2% 0%	49% 43% 5% 2% 0%
Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market Balancing Energy +	-12% 52% 40% 5% 2% 1% 97.4% 2.6%	-18% 50% 43% 5% 2% 1% 97.8% 2.2%	-272% 49% 43% 5% 2% 1% 99.8% 0.2%	-23944% 54% 39% 4% 2% 1% 100.0% 0.0%	-19% 50% 43% 5% 2% 0% 97.4% 2.6%	-10% 54% 40% 5% 1% 0% 95.1% 4.9%	-7% 59% 36% 4% 1% 0% 93.5% 6.5%	-7% 56% 38% 4% 1% 0% 94.5% 5.5%	-6% 53% 41% 5% 1% 0% 95.0% 5.0%	48% 44% 6% 2% 0% 97.6% 2.4%	48% 45% 5% 2% 0% 96.9% 3.1%	49% 43% 5% 2% 0% 96.3% 3.7%
Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market	-12% 52% 40% 5% 2% 1% 97.4%	-18% 50% 43% 5% 2% 1%	-272% 49% 43% 5% 2% 1%	-23944% 54% 39% 4% 2% 1%	-19% 50% 43% 5% 2% 0% 97.4%	-10% 54% 40% 5% 1% 0% 95.1%	-7% 59% 36% 4% 1% 0% 93.5% 6.5%	-7% 56% 38% 4% 1% 0%	-6% 53% 41% 5% 1% 0% 95.0% 5.0%	48% 44% 6% 2% 0%	48% 45% 5% 2% 0%	49% 43% 5% 2% 0%

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

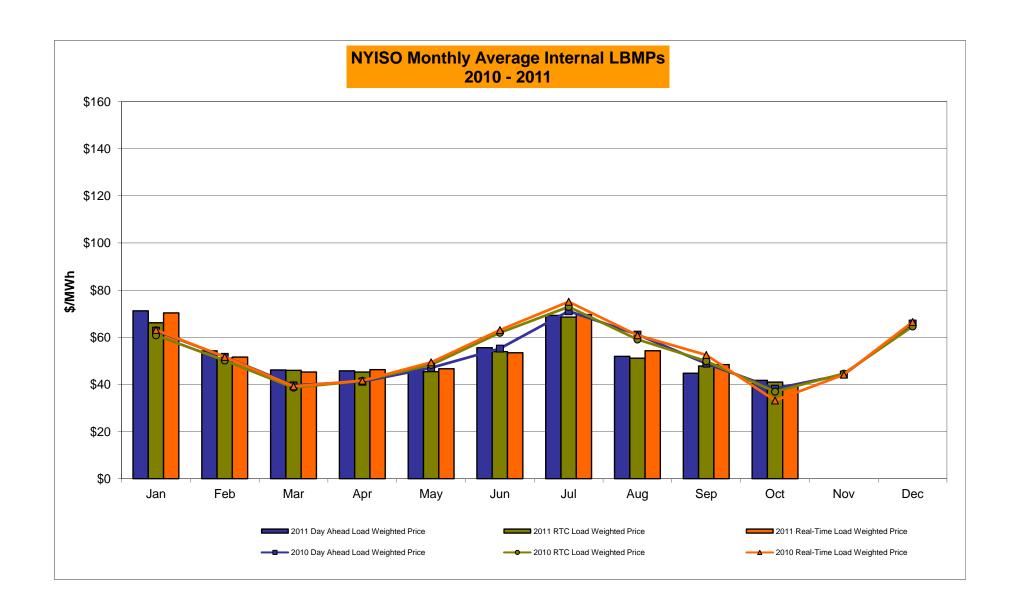
Notes: Percent totals may not equal 100% due to rounding. Virtual Transactions are not reflected in this chart.

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

NYISO Markets 2011 Energy Statistics

DAY AUGAD I DMD	<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>	November	<u>December</u>
DAY AHEAD LBMP Price *	\$69.03	\$52.87	\$45.20	\$44.80	\$45.20	\$52.26	\$64.60	\$49.59	\$43.28	\$40.55		
Standard Deviation	\$30.78	\$14.77	\$9.06	\$8.22	\$11.77	\$26.24	\$34.99	\$16.62	\$10.26	\$8.72		
Load Weighted Price **	\$71.22	\$54.24	\$46.13	\$45.77	\$46.83	\$55.58	\$69.28	\$51.90	\$44.76	\$41.72		
C				•	•	•	•					
RTC LBMP												
Price *	\$64.48	\$50.15	\$45.13	\$44.32	\$43.69	\$50.47	\$63.42	\$48.47	\$46.02	\$39.97		
Standard Deviation	\$39.41	\$18.83	\$18.96	\$15.44	\$25.19	\$46.41	\$82.29	\$59.95	\$25.18	\$17.89		
Load Weighted Price **	\$66.15	\$51.15	\$45.98	\$45.25	\$45.41	\$53.91	\$68.58	\$51.12	\$47.80	\$40.99		
REAL TIME LBMP												
Price *	\$67.92	\$50.26	\$44.22	\$45.20	\$44.26	\$48.68	\$62.96	\$49.39	\$45.92	\$38.39		
Standard Deviation	\$58.47	\$22.39	\$17.41	\$19.98	\$26.27	\$44.88	\$64.83	\$62.04	\$26.88	\$14.58		
Load Weighted Price **	\$70.32	\$51.61	\$45.24	\$46.28	\$46.66	\$53.42	\$69.66	\$54.28	\$48.40	\$39.42		
	*	******	*	* 13.23	*	****	***************************************	*******	*	****		
Average Daily Energy Sendout/Month GWh	457	447	422	398	411	479	555	505	456	403		
				NYISO	Markets	2010 Ene	rgy Statis	stics_				
DAY AUGAD I DMD	<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 LBMP	# 00.00	0 50 47	400.00	0.40.40	0.45.00	A 50.74	000.07	457.00	# 40.04	007.40	# 40.04	Φοο οο
Price *	\$60.96	\$50.47	\$38.69	\$40.13	\$45.29	\$52.71	\$66.67	\$57.80	\$46.64	\$37.10	\$43.31	\$63.69
Standard Deviation	\$20.86	\$13.07	\$7.78	\$8.09	\$11.45	\$16.14	\$28.01	\$21.60	\$13.36	\$8.27	\$7.59	\$22.45
Load Weighted Price **	\$62.80	\$51.71	\$39.60	\$41.18	\$47.04	\$55.22	\$71.08	\$61.16	\$48.85	\$38.21	\$44.20	\$65.87
RTC LBMP												
Price *	\$59.32	\$49.38	\$37.94	\$40.58	\$46.70	\$58.69	\$68.36	\$55.78	\$47.79	\$35.78	\$43.67	\$62.82
Standard Deviation												
	\$33.92	\$24.97	\$14.48	\$13.84	\$21.47	\$58.47	\$51.68	\$48.01	\$21.55	\$21.49	\$17.26	\$35.62
Load Weighted Price **	\$33.92 \$60.85	\$24.97 \$50.16	\$14.48 \$38.64	\$13.84 \$41.54	\$21.47 \$48.31	\$58.47 \$61.91	\$51.68 \$72.92	\$48.01 \$59.07	\$21.55 \$49.88	\$21.49 \$36.95	\$17.26 \$44.59	\$35.62 \$64.61
· ·				•		•						
REAL TIME LBMP	\$60.85	\$50.16	\$38.64	\$41.54	\$48.31	\$61.91	\$72.92	\$59.07	\$49.88	\$36.95	\$44.59	\$64.61
REAL TIME LBMP Price *	\$60.85 \$60.40	\$50.16 \$50.45	\$38.64 \$38.09	\$41.54 \$40.49	\$48.31 \$47.17	\$61.91 \$58.49	\$72.92 \$69.42	\$59.07 \$56.28	\$49.88 \$49.38	\$36.95 \$34.57	\$44.59 \$43.04	\$64.61 \$64.06
REAL TIME LBMP Price * Standard Deviation	\$60.85 \$60.40 \$42.06	\$50.16 \$50.45 \$30.38	\$38.64 \$38.09 \$19.24	\$41.54 \$40.49 \$17.00	\$48.31 \$47.17 \$28.15	\$61.91 \$58.49 \$56.05	\$72.92 \$69.42 \$56.60	\$59.07 \$56.28 \$41.46	\$49.88 \$49.38 \$32.03	\$36.95 \$34.57 \$27.89	\$44.59 \$43.04 \$16.63	\$64.61 \$64.06 \$44.71
REAL TIME LBMP Price *	\$60.85 \$60.40	\$50.16 \$50.45	\$38.64 \$38.09	\$41.54 \$40.49	\$48.31 \$47.17	\$61.91 \$58.49	\$72.92 \$69.42	\$59.07 \$56.28	\$49.88 \$49.38	\$36.95 \$34.57	\$44.59 \$43.04	\$64.61 \$64.06

^{*} Average zonal load weighted prices.
** Average zonal load weighted prices, load weighted in each hour.

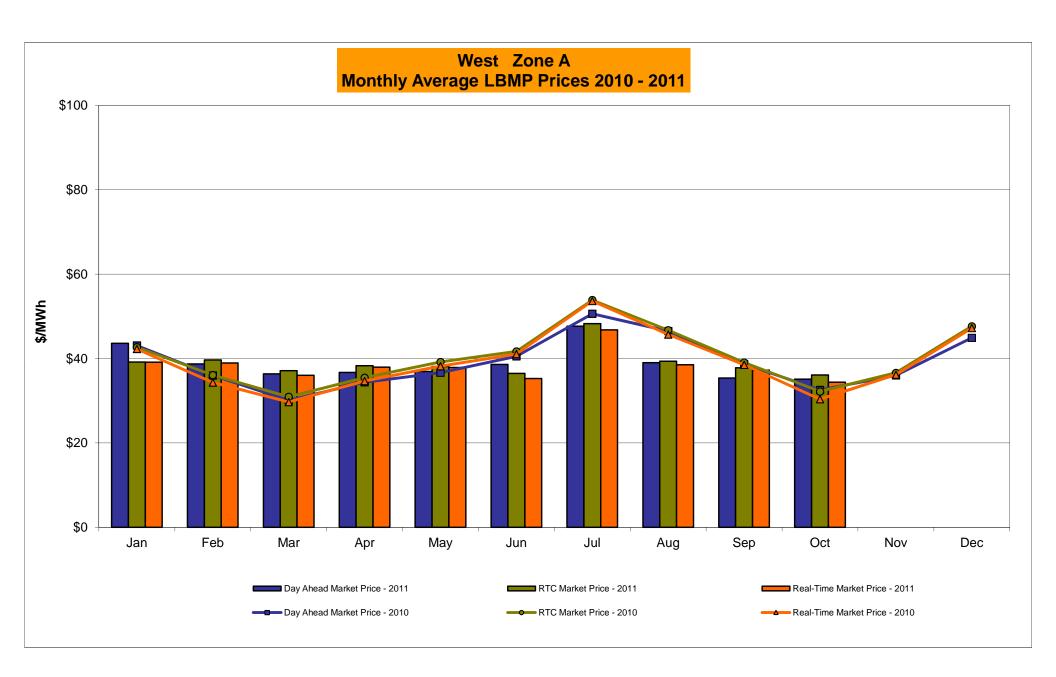


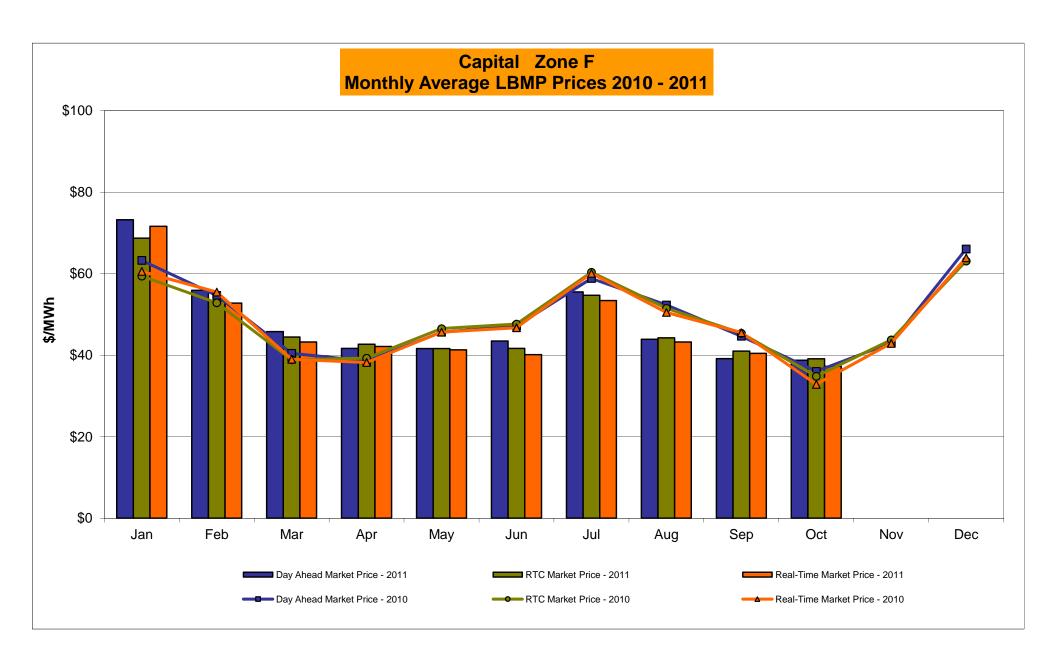
October 2011 Zonal LBMP Statistics for NYISO (\$/MWh)

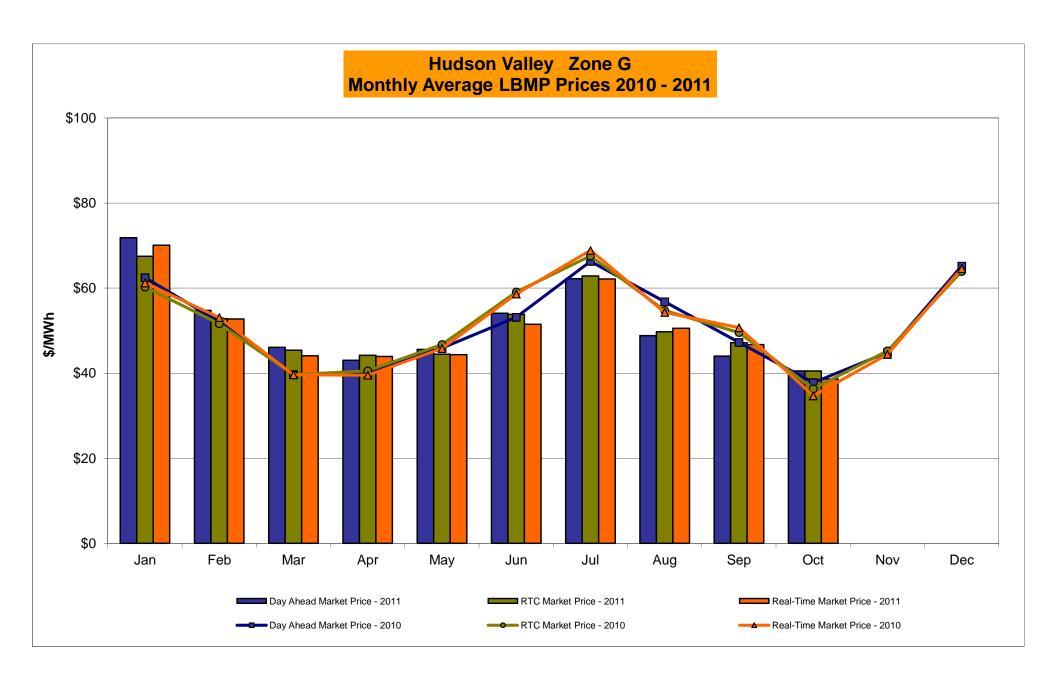
	WEST Zone A	GENESEE Zone B	NORTH Zone D	CENTRAL Zone C	MOHAWK VALLEY Zone E	CAPITAL Zone F	HUDSON VALLEY Zone G	MILLWOOD Zone H	DUNWOODIE Zone I	NEW YORK CITY Zone J	LONG ISLAND <u>Zone K</u>
DAY AHEAD LBMP									·		
Unweighted Price *	35.10	36.32	34.67	37.12	37.84	38.74	40.87	40.81	40.82	42.90	46.27
Standard Deviation	6.12	6.94	6.70	7.22	7.58	7.95	9.07	9.25	9.25	10.50	10.27
RTC LBMP											
Unweighted Price *	36.08	36.99	35.18	38.07	38.48	39.11	40.51	40.35	40.38	41.38	43.98
Standard Deviation	16.14	16.53	14.67	18.84	17.68	17.75	18.50	18.44	18.42	18.82	20.94
REAL TIME LBMP											
Unweighted Price *	34.41	35.28	33.56	36.16	36.63	37.26	38.62	38.48	38.52	39.62	43.90
Standard Deviation	12.91	13.36	12.34	13.87	14.00	14.33	14.92	14.89	14.86	15.97	21.50
	ONTARIO	HYDRO QUEBEC (Wheel)	HYDRO QUEBEC (Import/Export)	PIM	NEW ENGLAND		NORTHPORT-	NEPTLINE	I INDEN VET	Dennison	
	ONTARIO IESO	QUEBEC	_	РЈМ	NEW ENGLAND	SOUND CABLE	NORWALK	NEPTUNE Controllable	LINDEN VFT	Dennison Controllable	
	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	Controllable	
DAY AHEAD LBMP	-	QUEBEC	QUEBEC	PJM <u>Zone P</u>		SOUND CABLE	NORWALK	_			
DAY AHEAD LBMP Unweighted Price *	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	Controllable	
	IESO Zone O	QUEBEC (Wheel)	QUEBEC (Import/Export)	Zone P	ENGLAND Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	
Unweighted Price *	Zone O 34.31	QUEBEC (Wheel) Zone M 37.06	QUEBEC (Import/Export) Zone M 37.06	Zone P 38.24	ENGLAND Zone N 39.68	SOUND CABLE Controllable Line 45.03	NORWALK Controllable Line 44.31	Controllable Line 43.11	Controllable Line 40.33	Controllable Line 34.42	
Unweighted Price * Standard Deviation	Zone O 34.31	QUEBEC (Wheel) Zone M 37.06	QUEBEC (Import/Export) Zone M 37.06	Zone P 38.24	ENGLAND Zone N 39.68	SOUND CABLE Controllable Line 45.03	NORWALK Controllable Line 44.31	Controllable Line 43.11	Controllable Line 40.33	Controllable Line 34.42	
Unweighted Price * Standard Deviation RTC LBMP	Zone O 34.31 5.81	QUEBEC (Wheel) Zone M 37.06 7.22	QUEBEC (Import/Export) Zone M 37.06 7.22	Zone P 38.24 7.85	Zone N 39.68 8.59	SOUND CABLE Controllable Line 45.03 9.93	NORWALK Controllable Line 44.31 9.44	Controllable Line 43.11 9.36	Controllable Line 40.33 8.39	Controllable Line 34.42 6.48	
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation REAL TIME LBMP	34.31 5.81 33.51 8.91	QUEBEC (Wheel) Zone M 37.06 7.22 35.88 9.82	QUEBEC (Import/Export) Zone M 37.06 7.22 35.88 9.82	38.24 7.85 37.06 10.40	20ne N 39.68 8.59 37.79 10.47	SOUND CABLE Controllable Line 45.03 9.93 41.12 14.43	NORWALK Controllable Line 44.31 9.44 40.41 14.03	43.11 9.36 40.38 12.69	40.33 8.39 38.03 9.50	34.42 6.48 33.45 8.86	
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	Zone O 34.31 5.81	QUEBEC (Wheel) Zone M 37.06 7.22	QUEBEC (Import/Export) Zone M 37.06 7.22	Zone P 38.24 7.85	Zone N 39.68 8.59	SOUND CABLE Controllable Line 45.03 9.93	NORWALK Controllable Line 44.31 9.44	43.11 9.36	40.33 8.39 38.03	234.42 6.48	

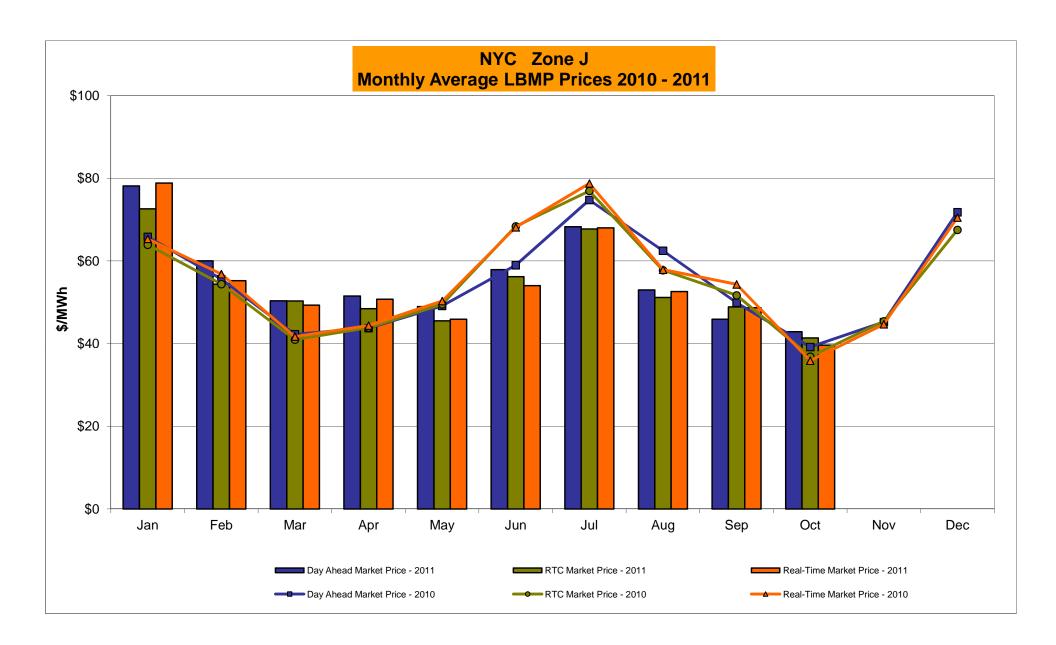
Market Mitigation and Analysis Prepared: 11/3/2011 1:04 PM

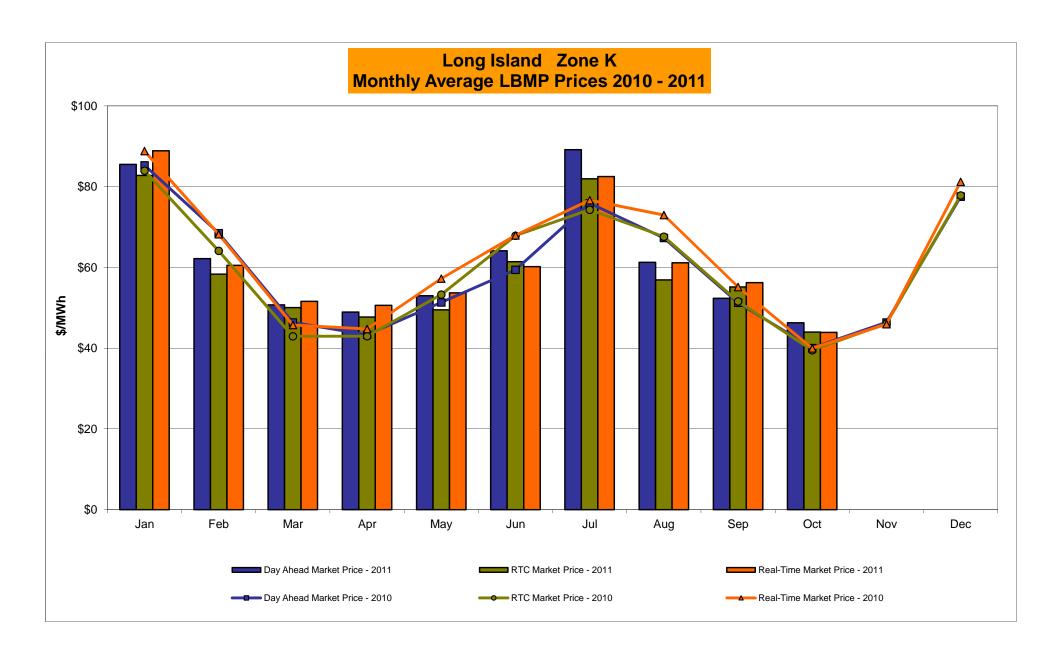
^{*} Straight LBMP averages

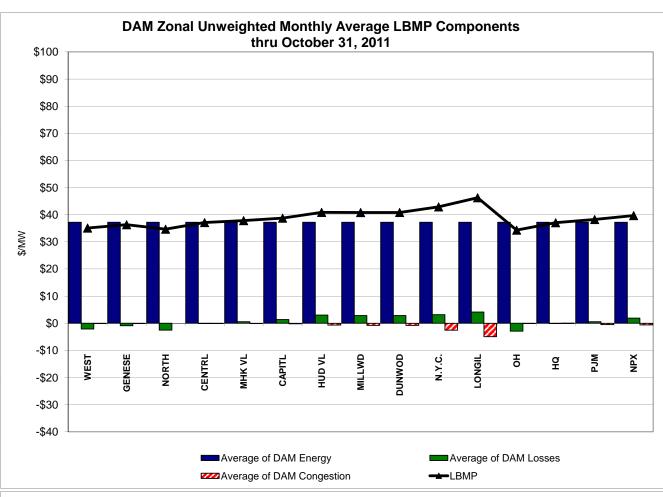


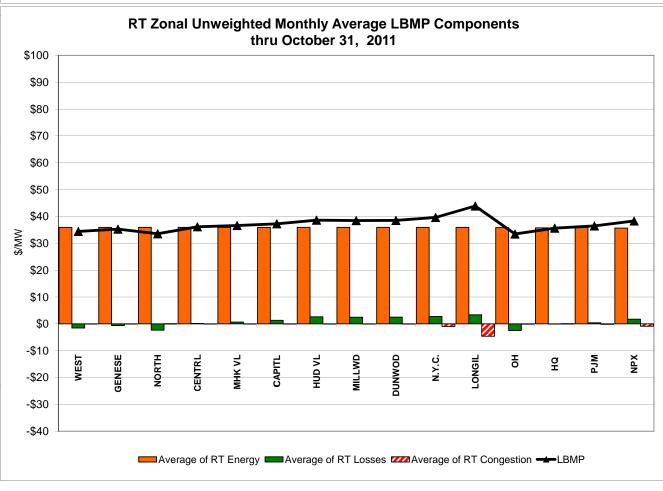




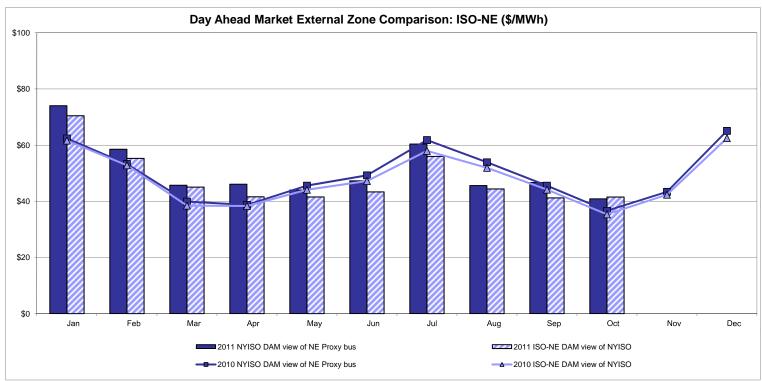


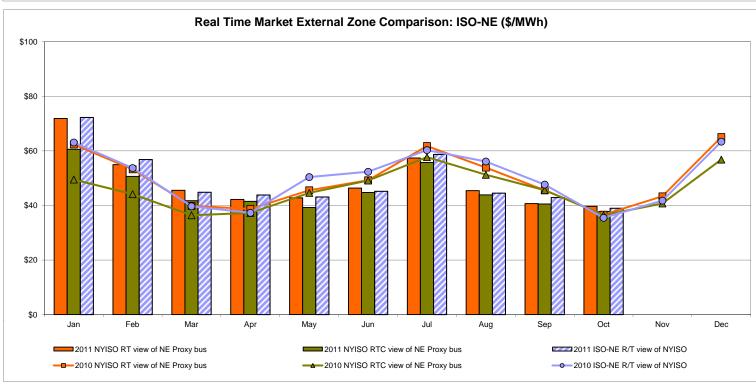




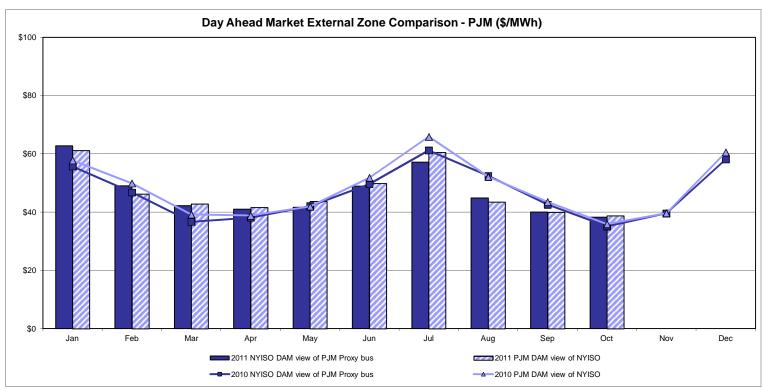


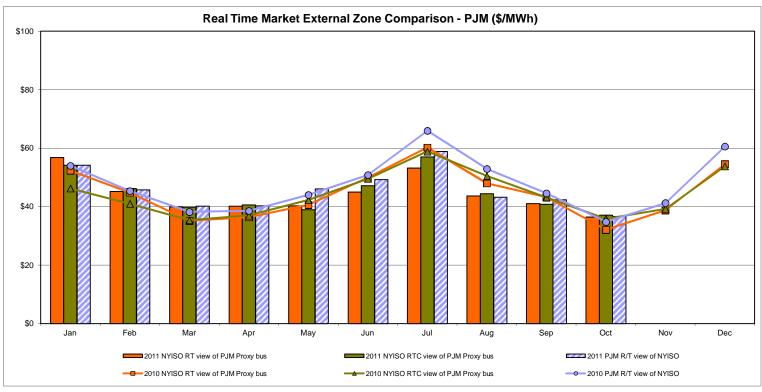
External Comparison ISO-New England



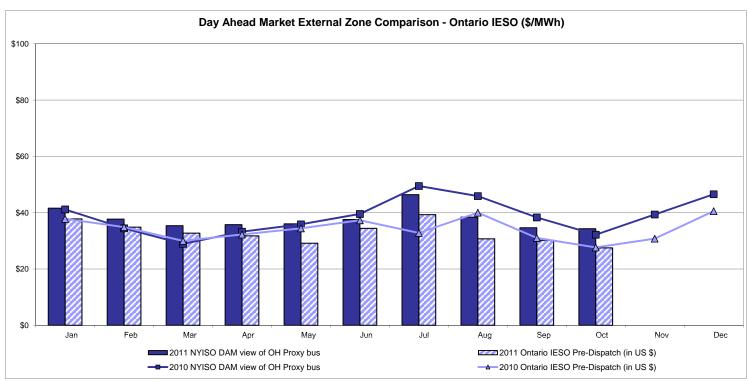


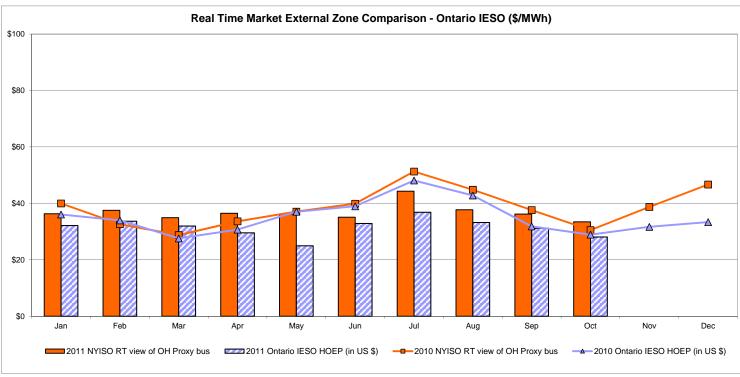
External Comparison PJM





External Comparison Ontario IESO

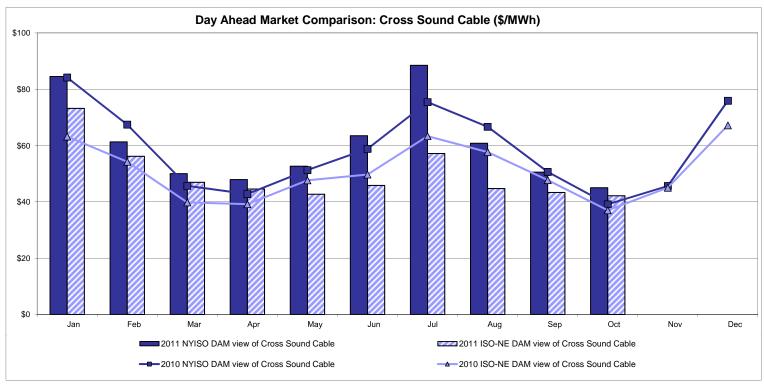


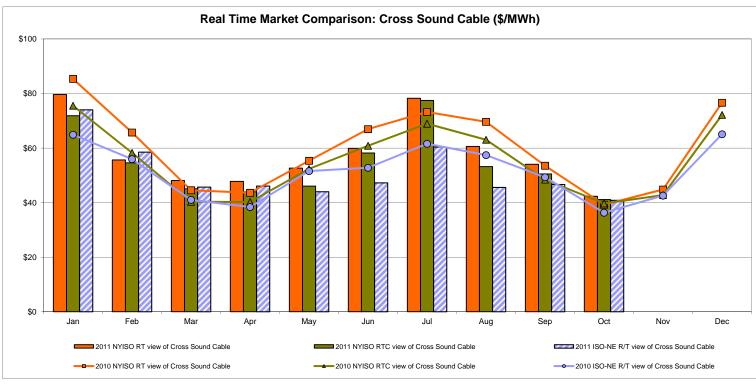


Notes: Exchange factor used for October 2011 was 0.98 to US \$

HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price

External Controllable Line: Cross Sound Cable (New England)





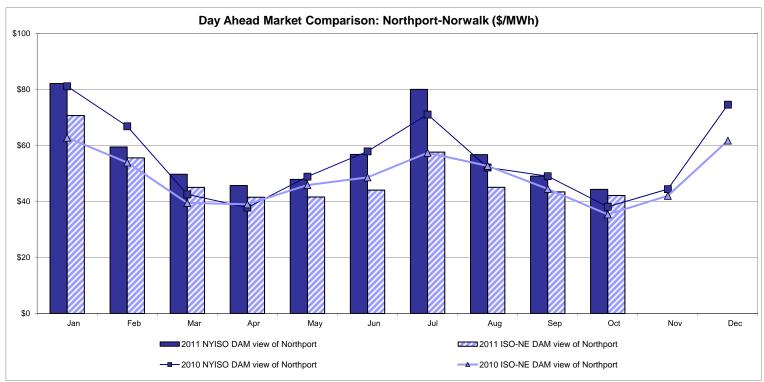
Note:

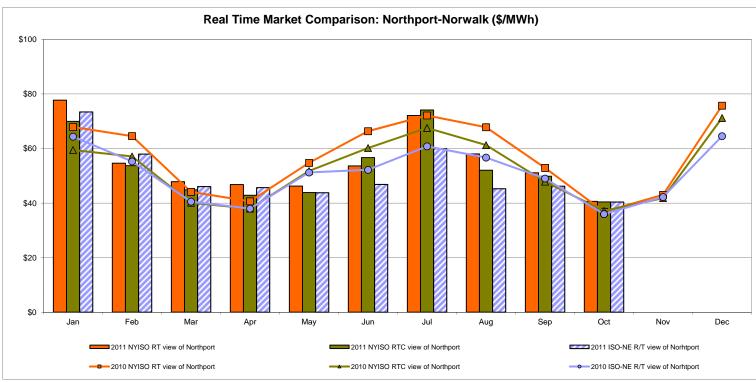
ISO-NE Forecast is an advisory posting @ 18:00 day before.

The DAM and R/T prices at the Shorham138 99 interface are used for ISO-NE.

The DAM and R/T prices at the CSC interface are used for NYISO.

External Controllable Line: Northport - Norwalk (New England)





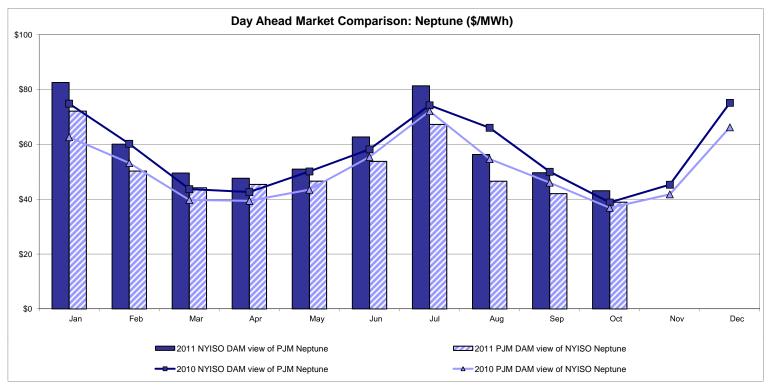
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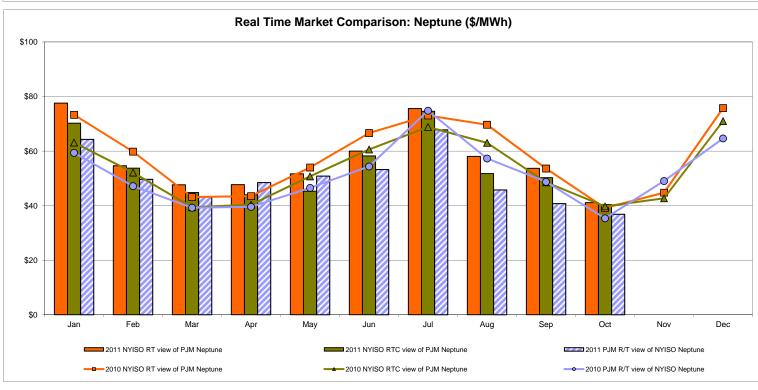
ISO-NE Forecast is an advisory posting @ 18:00 day before.

The DAM and R/T prices at the Northport 138 interface are used for ISO-NE.

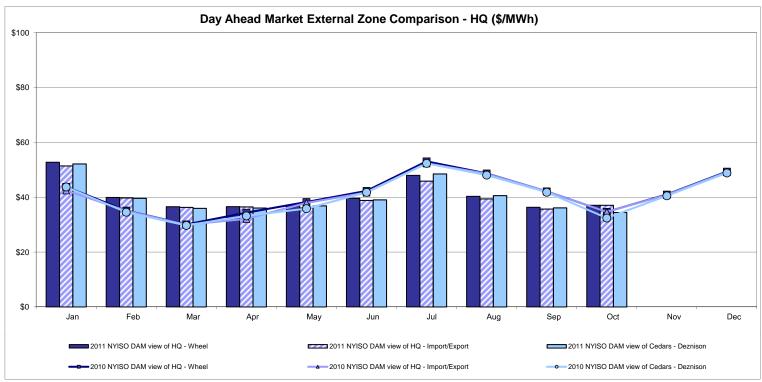
The DAM and R/T prices at the 1385 interface are used for NYISO.

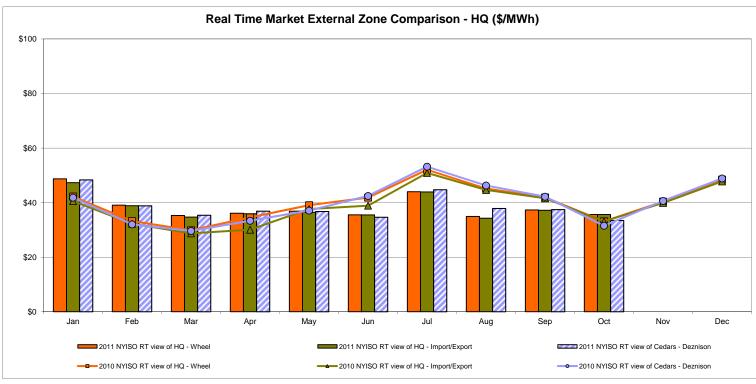
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

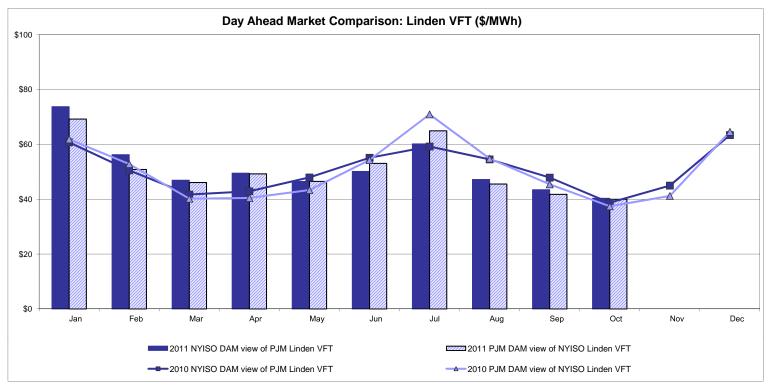


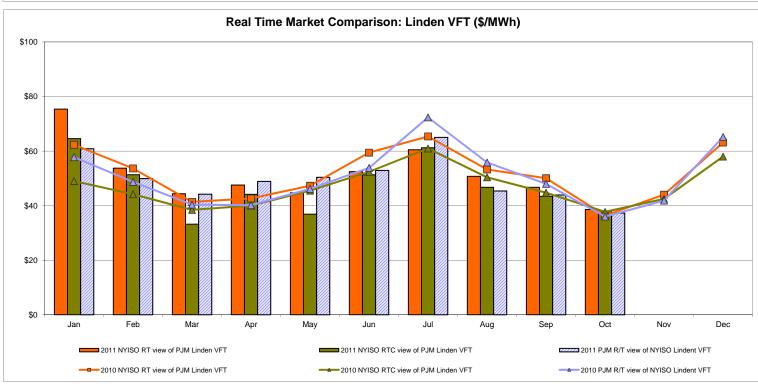


Note:

Hydro-Quebec Prices are unavailable.

External Controllable Line: Linden VFT (PJM)



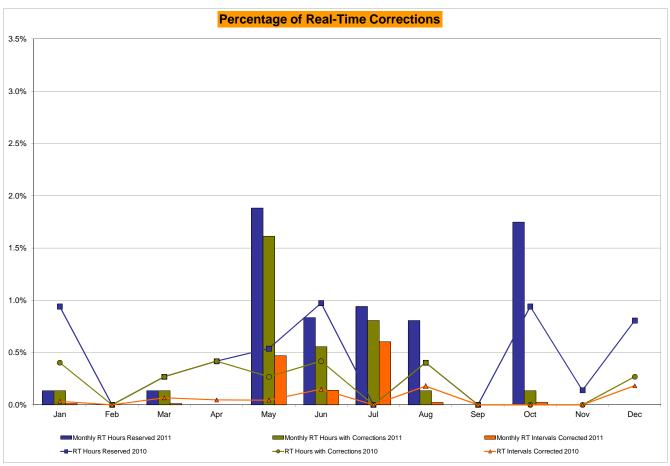


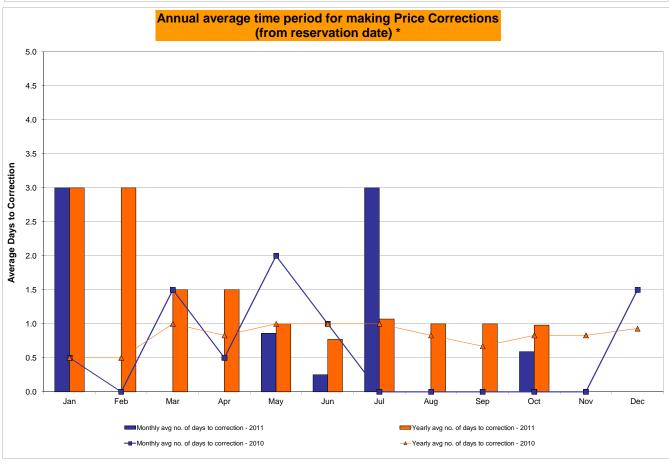
NYISO Real Time Price Correction Statistics

2011 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	December
Number of hours with corrections	in the month	1	0	1	0	12	4	6	1	0	1		
Number of hours	in the month	744	672	744	720	744	720	744	744	720	744		
% of hours with corrections	in the month	0.13%	0.00%	0.13%	0.00%	1.61%	0.56%	0.81%	0.13%	0.00%	0.13%		
% of hours with corrections Interval Corrections	year-to-date	0.13%	0.07%	0.09%	0.07%	0.39%	0.41%	0.47%	0.43%	0.38%	0.36%		
Number of intervals corrected	in the month	1	0	1	0	42	12	54	2	0	2		
Number of intervals	in the month	8,938	8,049	8,924	8,671	8,939	8,661	8,967	9,021	8,678	8,940		
% of intervals corrected	in the month	0.01%	0.00%	0.01%	0.00%	0.47%	0.14%	0.60%	0.02%	0.00%	0.02%		
% of intervals corrected	year-to-date	0.01%	0.01%	0.01%	0.01%	0.10%	0.11%	0.18%	0.16%	0.14%	0.13%		
Hours Reserved		4	•	_	•			_		•	40		
Number of hours reserved	in the month	1	0	1	0	14	6	7	6	0	13		
Number of hours	in the month	744	672	744	720	744	720	744	744	720	744		
% of hours reserved	in the month	0.13%	0.00%	0.13%	0.00%	1.88%	0.83%	0.94%	0.81%	0.00%	1.75%		
% of hours reserved	year-to-date	0.13%	0.07%	0.09%	0.07%	0.44%	0.51%	0.57%	0.60%	0.53%	0.66%		
Days to Correction *													_
Avg. number of days to correction	in the month	3.00	0.00	0.00	0.00	0.86	0.25	3.00	0.00	0.00	0.59		
Avg. number of days to correction	year-to-date	3.00	3.00	1.50	1.50	1.00	0.77	1.07	1.00	1.00	0.98		
Days Without Corrections													
Days without corrections	in the month	30	28	30	30	24	26	29	30	30	30		
Days without corrections	year-to-date	30	58	88	118	142	168	197	227	257	287		
2010		January	February	March	April	May	June	July	August	September	October	November	December
2010 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
	in the month	<u>January</u> 3	<u>February</u> 0	March 2	April 3	<u>May</u> 2	<u>June</u> 3	<u>July</u> 0	August 3	September 0	October 0	November 0	<u>December</u>
Hour Corrections	in the month		· <u> </u>				<u></u>				·		
Hour Corrections Number of hours with corrections		3	0	2	3	2	3	0	3	0	0	0	2
Hour Corrections Number of hours with corrections Number of hours	in the month	3 744	0 672	 2 744	3 720	2 744	3 720	0 744	3 744	0 720	0 744	0 432	2 744 0.27%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	3 744 0.40%	0 672 0.00%	2 744 0.27%	3 720 0.42%	2 744 0.27%	3 720 0.42%	0 744 0.00%	3 744 0.40%	0 720 0.00%	0 744 0.00%	0 432 0.00%	2 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month in the month	3 744 0.40%	0 672 0.00%	2 744 0.27%	3 720 0.42%	2 744 0.27%	3 720 0.42%	0 744 0.00%	3 744 0.40%	0 720 0.00%	0 744 0.00%	0 432 0.00%	2 744 0.27%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections	in the month in the month year-to-date	3 744 0.40% 0.40%	0 672 0.00% 0.21%	2 744 0.27% 0.23%	3 720 0.42% 0.28%	2 744 0.27% 0.28%	3 720 0.42% 0.30%	0 744 0.00% 0.26%	3 744 0.40% 0.27%	0 720 0.00% 0.24%	0 744 0.00% 0.22%	0 432 0.00% 0.21%	2 744 0.27% 0.21%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected	in the month in the month year-to-date in the month	3 744 0.40% 0.40%	0 672 0.00% 0.21%	2 744 0.27% 0.23%	3 720 0.42% 0.28%	2 744 0.27% 0.28%	3 720 0.42% 0.30%	0 744 0.00% 0.26%	3 744 0.40% 0.27%	0 720 0.00% 0.24%	0 744 0.00% 0.22%	0 432 0.00% 0.21%	2 744 0.27% 0.21%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	3 744 0.40% 0.40% 3 8,934 0.03%	0 672 0.00% 0.21% 0 8,057 0.00%	2 744 0.27% 0.23% 6 8,913 0.07%	3 720 0.42% 0.28% 4 8,640 0.05%	2 744 0.27% 0.28% 4 8,946 0.04%	3 720 0.42% 0.30% 13 8,660 0.15%	0 744 0.00% 0.26% 0 8,955 0.00%	3 744 0.40% 0.27% 16 8,955 0.18%	0 720 0.00% 0.24% 0 8,654 0.00%	0 744 0.00% 0.22% 0 8,944 0.00%	0 432 0.00% 0.21% 0 5,196 0.00%	2 744 0.27% 0.21% 10 5,474 0.18%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	3 744 0.40% 0.40% 3 8,934	0 672 0.00% 0.21% 0 8,057	2 744 0.27% 0.23% 6 8,913	3 720 0.42% 0.28% 4 8,640	2 744 0.27% 0.28% 4 8,946	3 720 0.42% 0.30%	0 744 0.00% 0.26% 0 8,955	3 744 0.40% 0.27% 16 8,955	0 720 0.00% 0.24% 0 8,654	0 744 0.00% 0.22%	0 432 0.00% 0.21% 0 5,196	2 744 0.27% 0.21% 10 5,474
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved	in the month in the month year-to-date in the month in the month in the month	3 744 0.40% 0.40% 3 8,934 0.03%	0 672 0.00% 0.21% 0 8,057 0.00% 0.02%	2 744 0.27% 0.23% 6 8,913 0.07% 0.03%	3 720 0.42% 0.28% 4 8,640 0.05% 0.04%	2 744 0.27% 0.28% 4 8,946 0.04%	3 720 0.42% 0.30% 13 8,660 0.15%	0 744 0.00% 0.26% 0 8,955 0.00%	3 744 0.40% 0.27% 16 8,955 0.18% 0.07%	0 720 0.00% 0.24% 0 8,654 0.00%	0 744 0.00% 0.22% 0 8,944 0.00%	0 432 0.00% 0.21% 0 5,196 0.00%	2 744 0.27% 0.21% 10 5,474 0.18% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month in the month year-to-date	3 744 0.40% 0.40% 3 8,934 0.03%	0 672 0.00% 0.21% 0 8,057 0.00%	2 744 0.27% 0.23% 6 8,913 0.07%	3 720 0.42% 0.28% 4 8,640 0.05%	2 744 0.27% 0.28% 4 8,946 0.04% 0.04%	3 720 0.42% 0.30% 13 8,660 0.15% 0.06%	0 744 0.00% 0.26% 0 8,955 0.00% 0.05%	3 744 0.40% 0.27% 16 8,955 0.18%	0 720 0.00% 0.24% 0 8,654 0.00% 0.06%	0 744 0.00% 0.22% 0 8,944 0.00% 0.05%	0 432 0.00% 0.21% 0 5,196 0.00% 0.05%	2 744 0.27% 0.21% 10 5,474 0.18%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month year-to-date	3 744 0.40% 0.40% 3 8,934 0.03% 0.03%	0 672 0.00% 0.21% 0 8,057 0.00% 0.02%	2 744 0.27% 0.23% 6 8,913 0.07% 0.03%	3 720 0.42% 0.28% 4 8,640 0.05% 0.04%	2 744 0.27% 0.28% 4 8,946 0.04% 0.04%	3 720 0.42% 0.30% 13 8,660 0.15% 0.06%	0 744 0.00% 0.26% 0 8,955 0.00% 0.05%	3 744 0.40% 0.27% 16 8,955 0.18% 0.07%	0 720 0.00% 0.24% 0 8,654 0.00% 0.06%	0 744 0.00% 0.22% 0 8,944 0.00% 0.05%	0 432 0.00% 0.21% 0 5,196 0.00% 0.05%	2 744 0.27% 0.21% 10 5,474 0.18% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	3 744 0.40% 0.40% 3 8,934 0.03% 0.03% 7 744 0.94%	0 672 0.00% 0.21% 0 8,057 0.00% 0.02%	2 744 0.27% 0.23% 6 8,913 0.07% 0.03% 2 744 0.27%	3 720 0.42% 0.28% 4 8,640 0.05% 0.04% 3 720 0.42%	2 744 0.27% 0.28% 4 8,946 0.04% 0.04% 4 744 0.54%	3 720 0.42% 0.30% 13 8,660 0.15% 0.06% 7 720 0.97%	0 744 0.00% 0.26% 0 8,955 0.00% 0.05% 0 744 0.00%	3 744 0.40% 0.27% 16 8,955 0.18% 0.07% 3 744 0.40%	0 720 0.00% 0.24% 0 8,654 0.00% 0.06% 0 720 0.00%	0 744 0.00% 0.22% 0 8,944 0.00% 0.05% 7 744 0.94%	0 432 0.00% 0.21% 0 5,196 0.00% 0.05% 1 432 0.23%	2 744 0.27% 0.21% 10 5,474 0.18% 0.06% 6 744 0.81%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month year-to-date	3 744 0.40% 0.40% 3 8,934 0.03% 0.03%	0 672 0.00% 0.21% 0 8,057 0.00% 0.02%	2 744 0.27% 0.23% 6 8,913 0.07% 0.03%	3 720 0.42% 0.28% 4 8,640 0.05% 0.04%	2 744 0.27% 0.28% 4 8,946 0.04% 0.04%	3 720 0.42% 0.30% 13 8,660 0.15% 0.06%	0 744 0.00% 0.26% 0 8,955 0.00% 0.05%	3 744 0.40% 0.27% 16 8,955 0.18% 0.07%	0 720 0.00% 0.24% 0 8,654 0.00% 0.06%	0 744 0.00% 0.22% 0 8,944 0.00% 0.05%	0 432 0.00% 0.21% 0 5,196 0.00% 0.05%	2 744 0.27% 0.21% 10 5,474 0.18% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction *	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month year-to-date	3 744 0.40% 0.40% 3 8,934 0.03% 0.03% 7 744 0.94% 0.94%	0 672 0.00% 0.21% 0 8,057 0.00% 0.02% 0 672 0.00% 0.49%	2 744 0.27% 0.23% 6 8,913 0.07% 0.03% 2 744 0.27% 0.42%	3 720 0.42% 0.28% 4 8,640 0.05% 0.04% 3 720 0.42% 0.42%	2 744 0.27% 0.28% 4 8,946 0.04% 0.04% 4 744 0.54% 0.44%	3 720 0.42% 0.30% 13 8,660 0.15% 0.06% 7 720 0.97% 0.53%	0 744 0.00% 0.26% 0 8,955 0.00% 0.05% 0 744 0.00% 0.45%	3 744 0.40% 0.27% 16 8,955 0.18% 0.07% 3 744 0.40% 0.45%	0 720 0.00% 0.24% 0 8,654 0.00% 0.06% 0 720 0.00% 0.40%	0 744 0.00% 0.22% 0 8,944 0.00% 0.05% 7 744 0.94% 0.45%	0 432 0.00% 0.21% 0 5,196 0.00% 0.05% 1 432 0.23% 0.44%	2 744 0.27% 0.21% 10 5,474 0.18% 0.06% 6 744 0.81% 0.46%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction * Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month	3 744 0.40% 0.40% 3 8,934 0.03% 0.03% 7 744 0.94% 0.94%	0 672 0.00% 0.21% 0 8,057 0.00% 0.02% 0 672 0.00% 0.49%	2 744 0.27% 0.23% 6 8,913 0.07% 0.03% 2 744 0.27% 0.42%	3 720 0.42% 0.28% 4 8,640 0.05% 0.04% 3 720 0.42% 0.42%	2 744 0.27% 0.28% 4 8,946 0.04% 0.04% 4 744 0.54% 0.44%	3 720 0.42% 0.30% 13 8,660 0.15% 0.06% 7 720 0.97% 0.53%	0 744 0.00% 0.26% 0 8,955 0.00% 0.05% 0 744 0.00% 0.45%	3 744 0.40% 0.27% 16 8,955 0.18% 0.07% 3 744 0.40% 0.45%	0 720 0.00% 0.24% 0 8,654 0.00% 0.06% 0 720 0.00% 0.40%	0 744 0.00% 0.22% 0 8,944 0.00% 0.05% 7 744 0.94% 0.45%	0 432 0.00% 0.21% 0 5,196 0.00% 0.05% 1 432 0.23% 0.44%	2 744 0.27% 0.21% 10 5,474 0.18% 0.06% 6 744 0.81% 0.46%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Your hours % of hours reserved Days to Correction Avg. number of days to correction Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month year-to-date	3 744 0.40% 0.40% 3 8,934 0.03% 0.03% 7 744 0.94% 0.94%	0 672 0.00% 0.21% 0 8,057 0.00% 0.02% 0 672 0.00% 0.49%	2 744 0.27% 0.23% 6 8,913 0.07% 0.03% 2 744 0.27% 0.42%	3 720 0.42% 0.28% 4 8,640 0.05% 0.04% 3 720 0.42% 0.42%	2 744 0.27% 0.28% 4 8,946 0.04% 0.04% 4 744 0.54% 0.44%	3 720 0.42% 0.30% 13 8,660 0.15% 0.06% 7 720 0.97% 0.53%	0 744 0.00% 0.26% 0 8,955 0.00% 0.05% 0 744 0.00% 0.45%	3 744 0.40% 0.27% 16 8,955 0.18% 0.07% 3 744 0.40% 0.45%	0 720 0.00% 0.24% 0 8,654 0.00% 0.06% 0 720 0.00% 0.40%	0 744 0.00% 0.22% 0 8,944 0.00% 0.05% 7 744 0.94% 0.45%	0 432 0.00% 0.21% 0 5,196 0.00% 0.05% 1 432 0.23% 0.44%	2 744 0.27% 0.21% 10 5,474 0.18% 0.06% 6 744 0.81% 0.46%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Mumber of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved % of hours reserved % of hours reserved Number of days to correction Avg. number of days to correction Days Without Corrections	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month year-to-date in the month year-to-date	3 744 0.40% 0.40% 3 8,934 0.03% 0.03% 7 744 0.94% 0.94% 0.50 0.50	0 672 0.00% 0.21% 0 8,057 0.00% 0.672 0.00% 0.49%	2 744 0.27% 0.23% 6 8,913 0.07% 0.03% 2 744 0.27% 0.42% 1.50 1.00	3 720 0.42% 0.28% 4 8,640 0.05% 0.04% 3 720 0.42% 0.42% 0.50 0.83	2 744 0.27% 0.28% 4 8,946 0.04% 0.04% 4 744 0.54% 0.44% 2.00 1.00	3 720 0.42% 0.30% 13 8,660 0.15% 0.06% 7 720 0.97% 0.53% 1.00	0 744 0.00% 0.26% 0 8,955 0.00% 0.05% 0 744 0.00% 0.45%	3 744 0.40% 0.27% 16 8,955 0.18% 0.07% 3 744 0.40% 0.45% 0.00 0.83	0 720 0.00% 0.24% 0 8,654 0.00% 0.06% 0 720 0.00% 0.40%	0 744 0.00% 0.22% 0 8,944 0.00% 0.05% 7 744 0.94% 0.45% 0.00 0.83	0 432 0.00% 0.21% 0 5,196 0.00% 0.05% 1 432 0.23% 0.44%	2 744 0.27% 0.21% 10 5,474 0.18% 0.06% 6 744 0.81% 0.46% 1.50 0.93
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Your hours % of hours reserved Days to Correction Avg. number of days to correction Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month	3 744 0.40% 0.40% 3 8,934 0.03% 0.03% 7 744 0.94% 0.94%	0 672 0.00% 0.21% 0 8,057 0.00% 0.02% 0 672 0.00% 0.49%	2 744 0.27% 0.23% 6 8,913 0.07% 0.03% 2 744 0.27% 0.42%	3 720 0.42% 0.28% 4 8,640 0.05% 0.04% 3 720 0.42% 0.42%	2 744 0.27% 0.28% 4 8,946 0.04% 0.04% 4 744 0.54% 0.44%	3 720 0.42% 0.30% 13 8,660 0.15% 0.06% 7 720 0.97% 0.53%	0 744 0.00% 0.26% 0 8,955 0.00% 0.05% 0 744 0.00% 0.45%	3 744 0.40% 0.27% 16 8,955 0.18% 0.07% 3 744 0.40% 0.45%	0 720 0.00% 0.24% 0 8,654 0.00% 0.06% 0 720 0.00% 0.40%	0 744 0.00% 0.22% 0 8,944 0.00% 0.05% 7 744 0.94% 0.45%	0 432 0.00% 0.21% 0 5,196 0.00% 0.05% 1 432 0.23% 0.44%	2 744 0.27% 0.21% 10 5,474 0.18% 0.06% 6 744 0.81% 0.46%

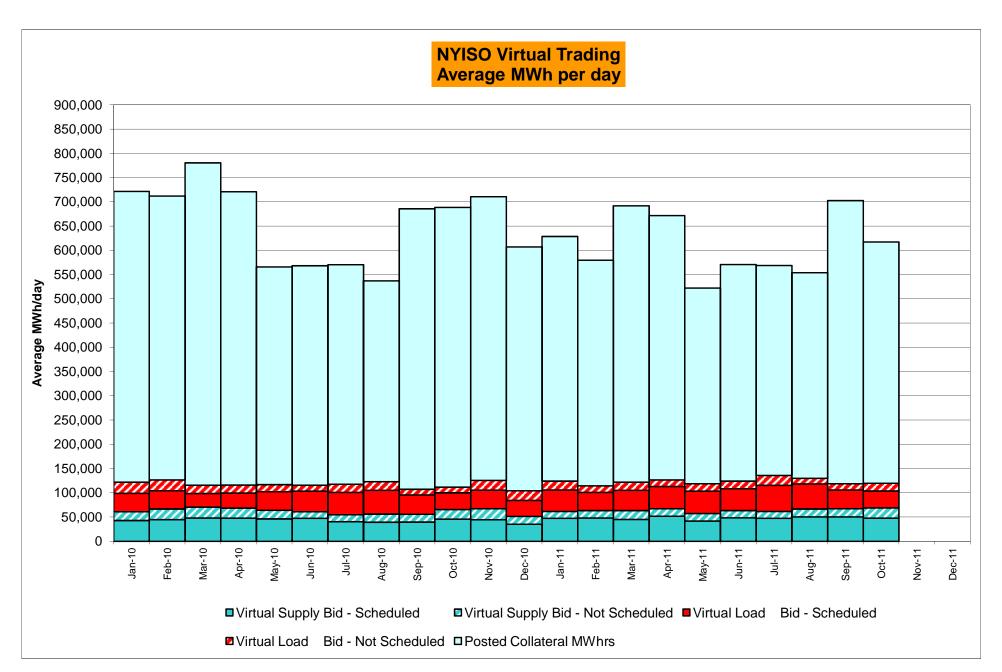
^{*} Calendar days from reservation date.

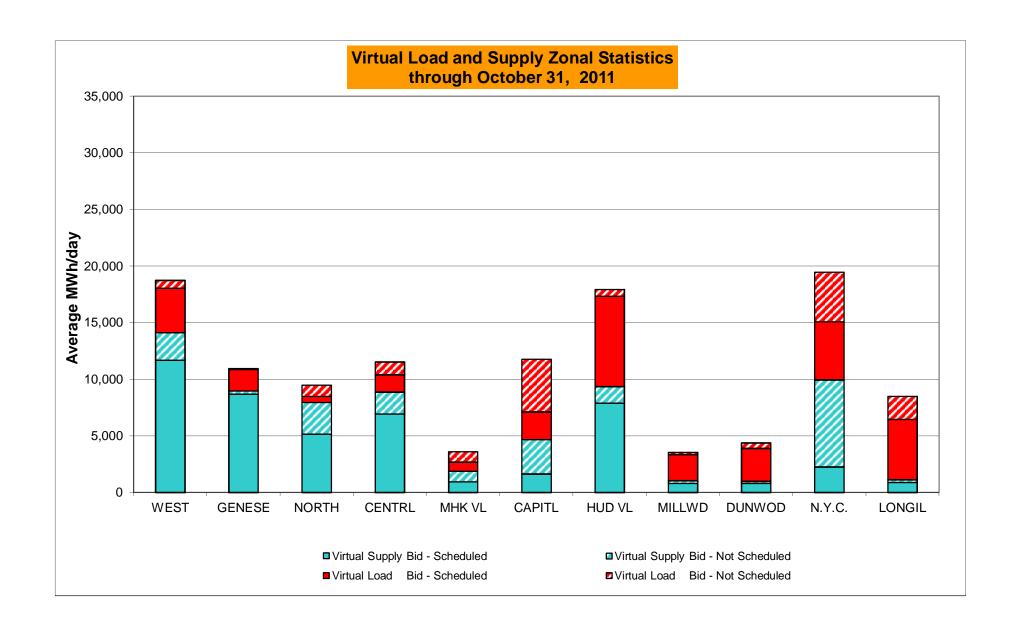
Market Mitigation and Analysis Prepared: 11/3/2011 1:37 PM





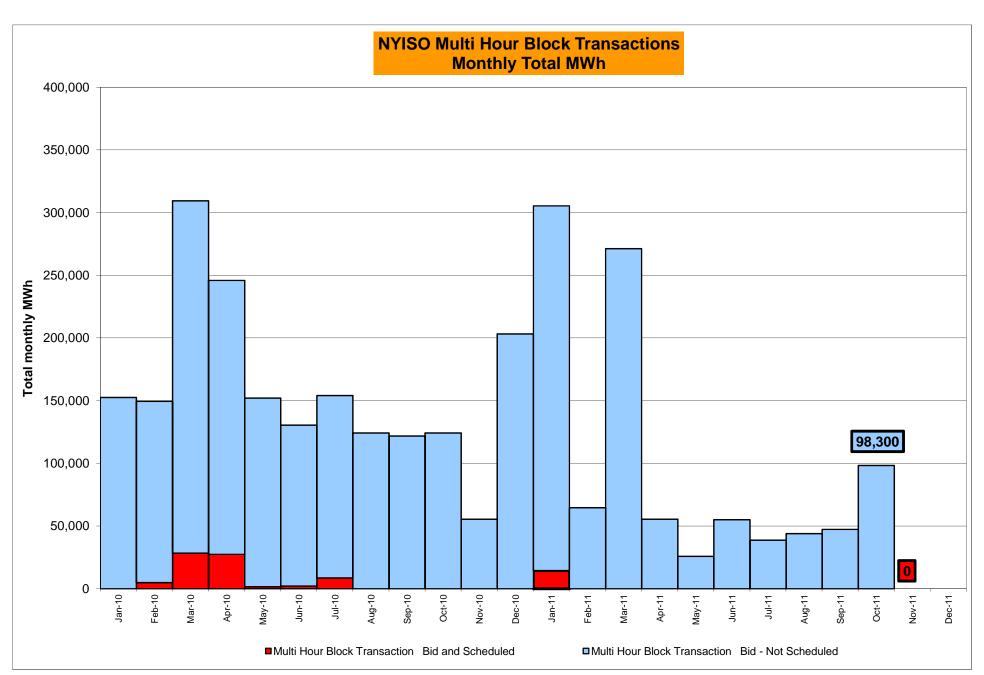
^{*} Calendar days from reservation date.



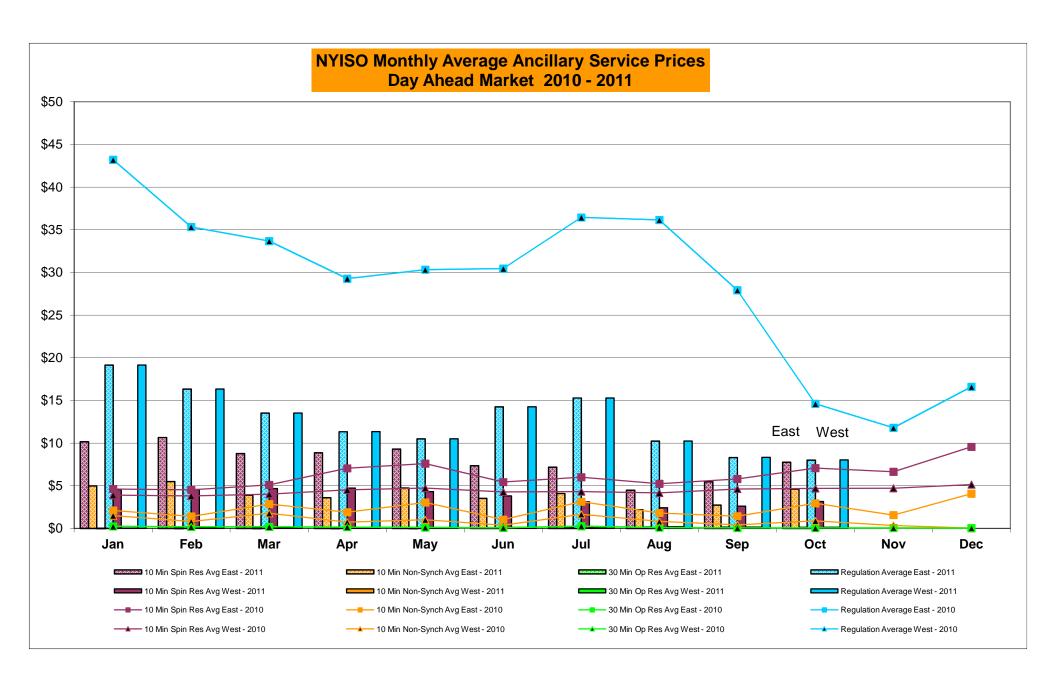


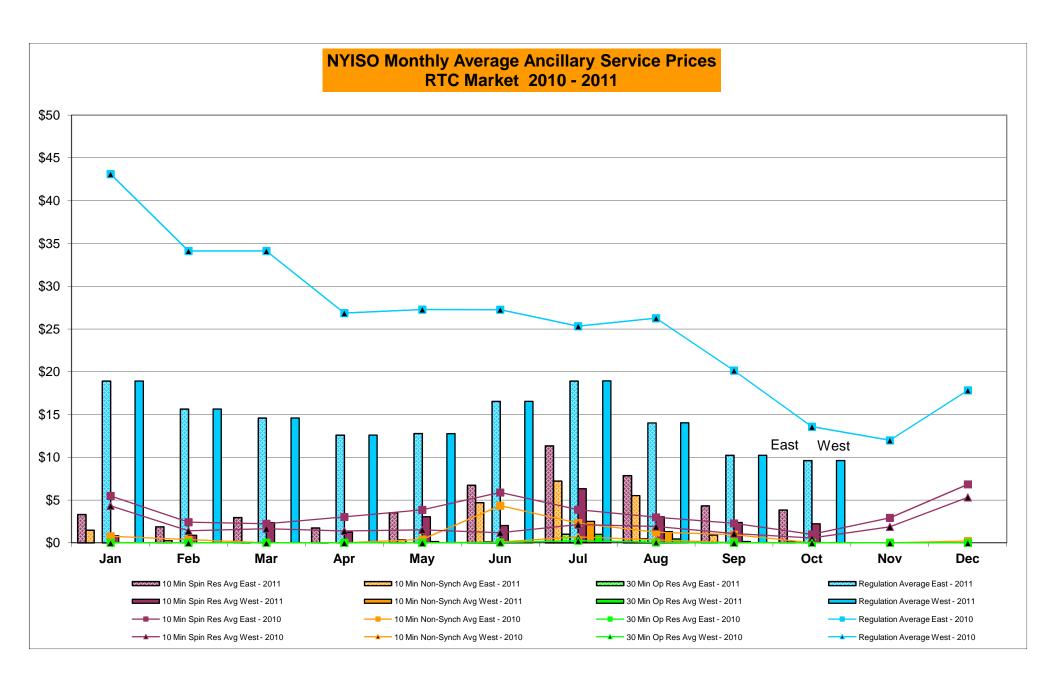
	Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2011																
		I						I		<u> </u>				T		Г	
		Virtual L		Virtual S	upply Bid			Virtual L		Virtual Su				Virtual I	Load Bid	Virtual Su	
			Not		Not				Not		Not		_		Not	l .	Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled
WEST	Jan-11	4,493	1,486	10,304	1,379	MHK VL	Jan-11	1,418	879	1,774	824	DUNWOD	Jan-11				21
	Feb-11	2,635	279		1,710		Feb-11	1,043	921	1,387	816	-	Feb-11				378
	Mar-11	4,314	2,204		1,964		Mar-11	972	1,059	1,321	965	+	Mar-11				271
	Apr-11	5,782 3,475	387 213	8,832	1,245 1,362		Apr-11	1,033 1,311	897 928	1,517 864	715 831	-	Apr-11				379 274
	May-11 Jun-11	3,475	571		1,692		May-11 Jun-11	1,613	1,058	1,780	738	+	May-11 Jun-11	3,421 2,795			263
	Jul-11	5,378	562		1,230		Jul-11	1,491	945		798	-	Jul-11				216
	Aug-11		52		2,350		Aug-11	1,457	843	1,098	816	-	Aug-11			573	267
	Sep-11		368		1,749		Sep-11	819	910	755	962	-	Sep-11				143
	Oct-11		688		2,457		Oct-11	805	916		919	+	Oct-11	2,903			177
	Nov-11	0,027	000	11,070	2, 101		Nov-11	000	010	000	0.10		Nov-11		170	011	
	Dec-11						Dec-11					-	Dec-11				
	Dec-11						Dec-11						Dec-11				
GENESE	Jan-11	1,624	196	10,028	173	CAPITL	Jan-11	3,641	3,492	3,497	2,467	N.Y.C.	Jan-11	11,837	4,926	1,397	7,009
02.11202	Feb-11	1,448	242		160	0711112	Feb-11	2,633	3,168	3,799	2,736		Feb-11		4,018		7,081
	Mar-11	1,852	230		210		Mar-11	3,484	3,193	3,379	2,752		Mar-11				7,692
	Apr-11	1,873	53		149		Apr-11	2,446	2,749	4,364	2,721		Apr-11				6,786
	May-11	1,873	54		167		May-11	2,870	3,052	4,378	2,804		May-11				6,815
	Jun-11	2,750	882		163		Jun-11	2,751	2,755	4,607	2,693		Jun-11				5,854
	Jul-11	2,421	1,054	8,416	68		Jul-11	2,480	3,084	5,518	3,014		Jul-11	17,455	3,171	2,483	6,257
	Aug-11	2,058	31	7,041	39		Aug-11	1,990	2,830	4,788	2,894		Aug-11			3,112	7,173
	Sep-11	1,944	11	9,034	45		Sep-11	1,174	3,121	3,998	3,104		Sep-11		1,847	2,213	7,644
	Oct-11	1,923	60	8,710	254		Oct-11	2,440	4,627	1,649	3,041		Oct-11	5,127	4,361	2,265	7,689
	Nov-11						Nov-11						Nov-11				
	Dec-11						Dec-11						Dec-11				
NORTH	Jan-11	737	812		1,124	HUD VL	Jan-11	4,291	830	6,284	134	LONGIL	Jan-11	7,063			30
	Feb-11	420	953	6,287	1,375		Feb-11	3,680	165	6,736	99	_	Feb-11			343	45
	Mar-11	516			1,597		Mar-11	4,296	707	5,404	1,344	4	Mar-11				184
	Apr-11	458			1,927		Apr-11	4,782	233	13,182	470		Apr-11				8
	May-11	298	937	7,148	1,777		May-11	4,766	674	7,057	175	_	May-11				245
	Jun-11	498			2,031		Jun-11	5,728	1,137	6,516	269	_	Jun-11				117
	Jul-11	282			934		Jul-11	8,849	1,969	6,895	337 421	_	Jul-11				213
	Aug-11 Sep-11	195 276			1,000 1,494		Aug-11 Sep-11	8,064 10,029	578 832	7,234 7,740	377	-	Aug-11 Sep-11	5,448		533 489	184 29
	Oct-11	518		4,865 5,166	1,494 2,796		Oct-11	7,962	597	7,740	1,471		Oct-11				29
	Nov-11	310	992	5,100	2,790		Nov-11	7,902	397	7,094	1,471	-	Nov-11	,	2,013	091	240
	Dec-11						Dec-11					-	Dec-11				
	Dec-11						Dec-11						Dec-11				
CENTRL	Jan-11	4,378	1,512	6,326	1,045	MILLWD	Jan-11	859	71	1,380	30	NYISO	Jan-11	44,340	18,471	47,273	14,235
	Feb-11	2,788	1,183	5,706	1,068		Feb-11	460	148	886	96		Feb-11				15,563
	Mar-11	,	1,359	4,073	1,178		Mar-11	738	220	916	202	7	Mar-11				18,360
	Apr-11	2,888	1,121	4,069	942		Apr-11	1,100	164	783	57		Apr-11				15,400
	May-11	2,814	1,172		1,063		May-11	1,420	941	1,025	110	1	May-11		,	,	15,622
	Jun-11	2,753	1,195	7,368	956		Jun-11	867	580	970	156		Jun-11			48,375	14,934
	Jul-11	2,880	1,221	6,121	1,012		Jul-11	1,659	647	963	88		Jul-11	53,747	20,448		14,166
	Aug-11	2,313	1,034	6,268	1,027]	Aug-11	3,106	328	620	336		Aug-11			50,329	16,507
	Sep-11	1,071	1,169	6,637	1,136		Sep-11	2,813	295	638	141		Sep-11				16,823
	Oct-11	1,521	1,131	6,956	1,922]	Oct-11	2,322	167	802	248		Oct-11	34,792	16,028	47,792	21,220
	Nov-11						Nov-11						Nov-11				
	Dec-11						Dec-11						Dec-11				

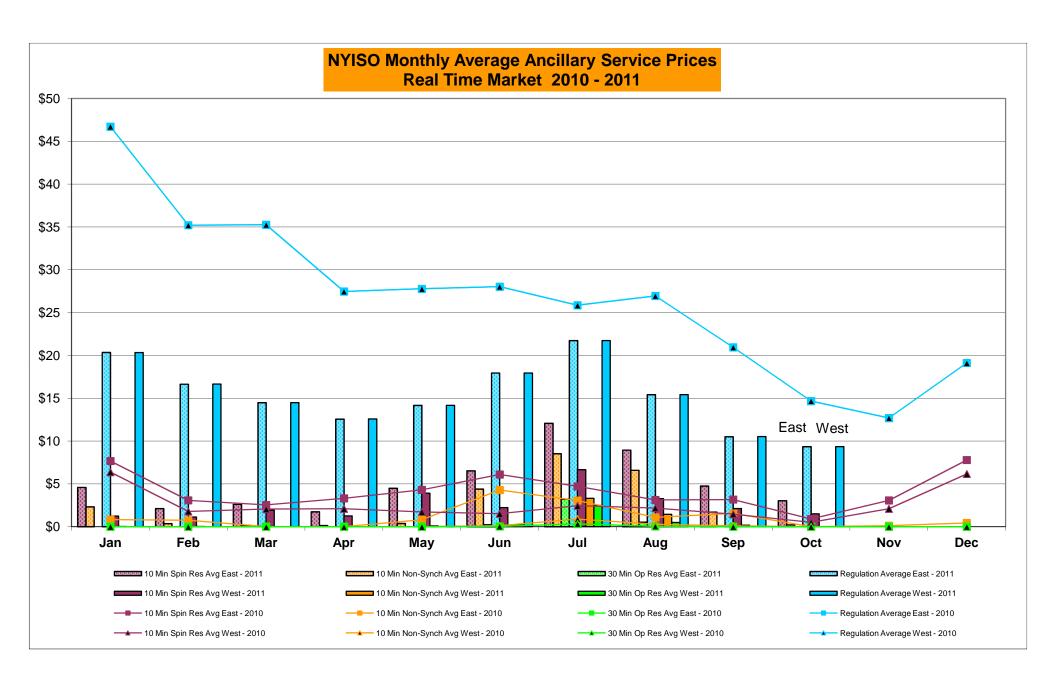
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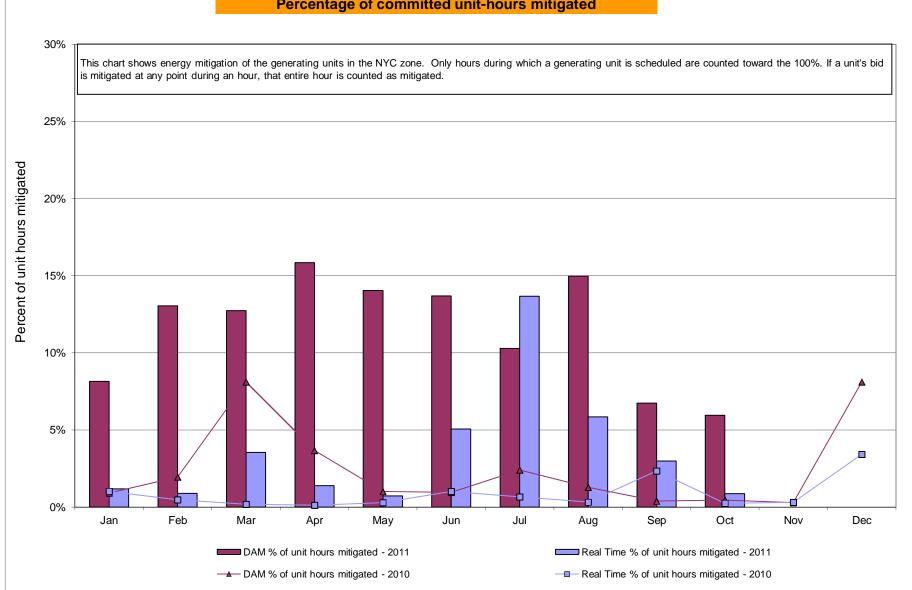


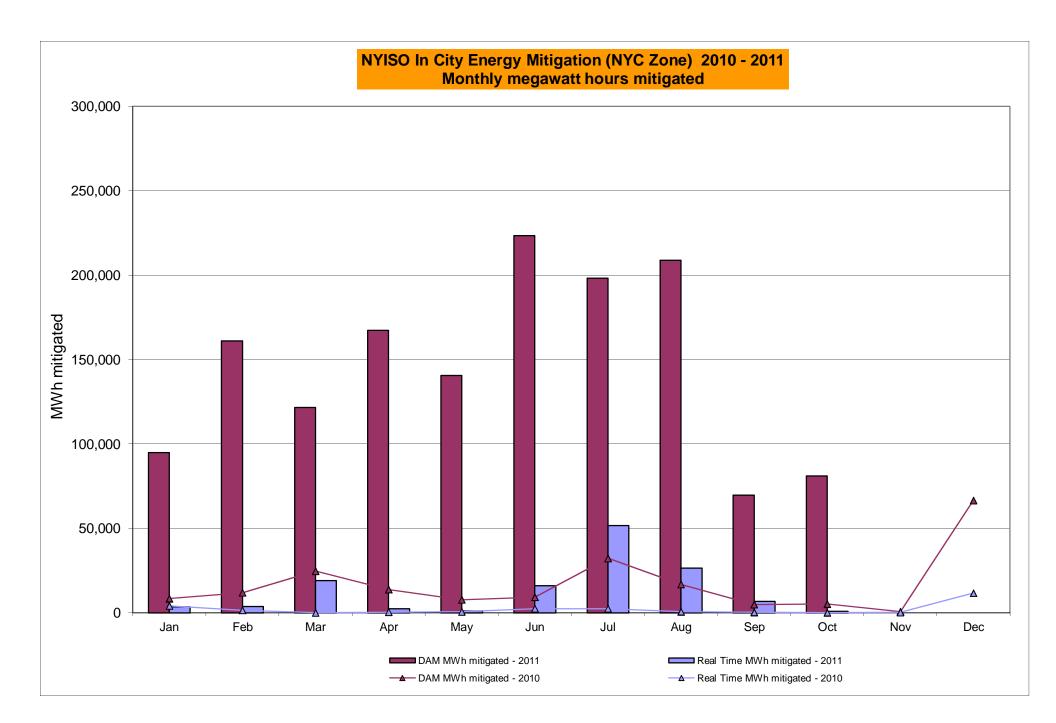


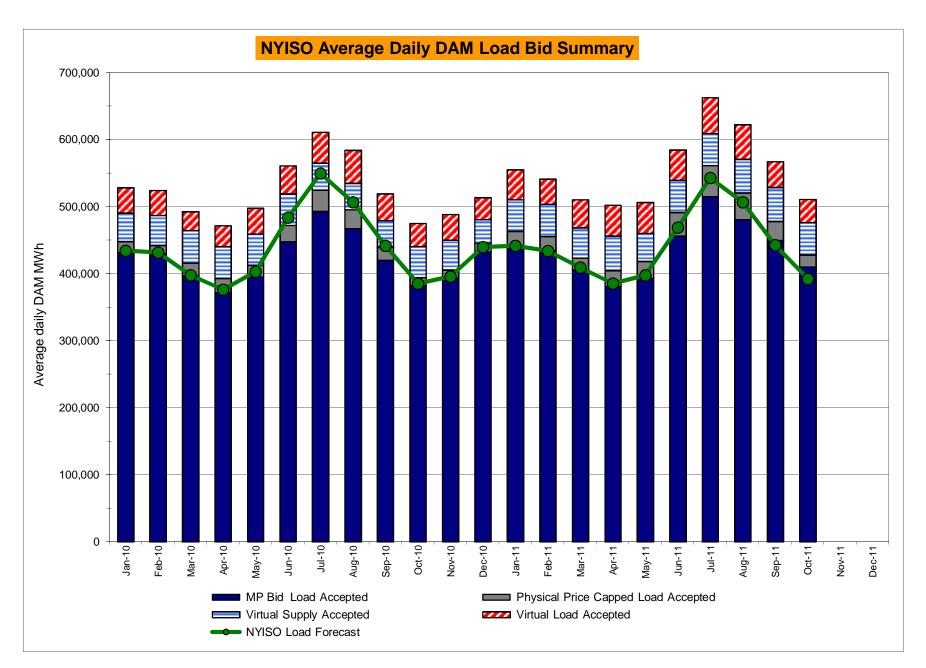


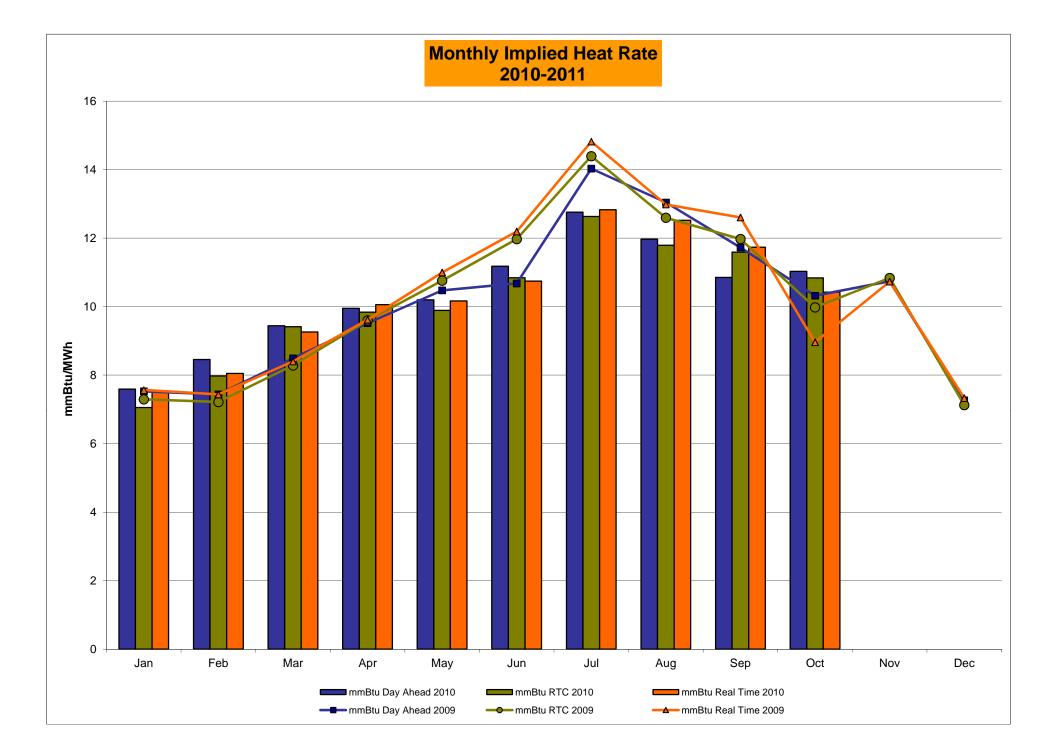
	А	В	С	D	Е	F	G	Н	I	J	K	L	М
1			<u>NYIS</u>	O Markets	Ancillary S	Services S	tatistics - l	Jnweighted	Price (\$/M	<u>WH)</u>			
3	2011	January	February	March	<u>April</u>	May	June	July	August	September	October	November	Decembe
4	Day Ahead Market												
5	10 Min Spin East	10.15	10.66	8.76	8.87	9.30			4.47	5.46	7.76		
6	10 Min Spin West	4.55	4.56	4.67	4.72	4.30			2.42	2.62			
7	10 Min Non Synch East	4.99	5.48	3.90	3.60	4.75			2.19	2.75			
8	10 Min Non Synch West	0.02	0.02	0.02	0.03	0.03	0.10		0.19	0.15			
9	30 Min East	0.02	0.02	0.02	0.03	0.03	0.10		0.19	0.15			
10	30 Min West Regulation East	0.02	0.02	0.02	0.03	0.03	0.10		0.19	0.15			
11	Regulation East Regulation West	19.14 19.14	16.33 16.33	13.53 13.53	11.34 11.34	10.51 10.51	14.26 14.26		10.23 10.23	8.32 8.32			
12	9	19.14	10.33	13.33	11.34	10.51	14.20	15.29	10.23	0.32	0.02		
14	RTC Market												
15	10 Min Spin East	3.32	1.88	2.96	1.74	3.52			7.84	4.33			
16	10 Min Spin West	0.83	0.89	2.37	1.23	3.05			3.04	2.38			
17	10 Min Non Synch East	1.48	0.25	0.04	0.05	0.35	4.69		5.54	0.91	0.10		
18 19	10 Min Non Synch West 30 Min East	0.00	0.00	0.00	0.00	0.15 0.00	0.07 0.13		1.31 0.47	0.16 0.00			
20	30 Min East 30 Min West	0.00	0.00	0.00	0.00	0.00	0.13		0.47	0.00	0.00		
21	Regulation East	18.91	15.65	14.60	12.59	12.77	16.54		14.03	10.24	9.62		
22	Regulation West	18.91	15.65	14.60	12.59	12.77	16.54		14.03	10.24	9.62		
		10.01	10.00	1 1.00	12.00	12.77	10.01	10.00	1 1.00	10.21	0.02		
24	Real Time Market	4.50	0.40	0.04			0.50	40.00	0.04		0.00		
25	10 Min Spin East	4.59	2.12	2.61	1.74	4.49			8.94	4.75			
26	10 Min Spin West	1.25	1.12	1.92 0.19	1.26	3.92			3.27	2.12			
27 28	10 Min Non Synch East 10 Min Non Synch West	2.31 0.02	0.35 0.02	0.19	0.13 0.00	0.37 0.10	4.38 0.18		6.60 1.44	1.71 0.17	0.21 0.00		
29	30 Min East	0.02	0.02	0.00	0.00	0.00	0.16		0.52	0.00			
30	30 Min West	0.00	0.00	0.00	0.00	0.00	0.18		0.50	0.00			
31	Regulation East	20.34	16.65	14.48	12.57	14.17	17.94		15.41	10.51	9.34		
32	Regulation West	20.34	16.65	14.48	12.57	14.17	17.94		15.41	10.51	9.34		
00	2010	January	February	March	April	May	June		August	September	October	November	December
35	Day Ahead Market	January	rebluary	iviaicii	Дрпі	iviay	Julie	July	August	<u>Oepterriber</u>	October	November	December
36	10 Min Spin East	4.62	4.51	5.10	7.04	7.59	5.43	6.00	5.23	5.80	7.07	6.64	9.56
37	10 Min Spin West	3.90	3.80	4.02	4.51	4.73	4.27		4.16	4.62	4.69	4.71	5.14
38	10 Min Non Synch East	2.11	1.42	2.85	1.89	3.04	1.04		1.81	1.44	2.94	1.57	4.08
39	10 Min Non Synch West	1.49	0.80	1.78	0.74	1.02	0.37		0.82	0.42	0.89	0.35	0.04
40	30 Min East	0.24	0.18	0.18	0.16	0.12	0.07	0.27	0.10	0.06	0.05	0.06	0.04
41	30 Min West	0.24	0.18	0.18	0.16	0.12	0.07		0.10	0.06		0.06	0.04
42	Regulation East	43.21	35.33	33.67	29.28	30.33	30.44		36.15	27.92		11.80	16.60
43	Regulation West	43.21	35.33	33.67	29.28	30.33	30.44	36.44	36.15	27.92	14.60	11.80	16.60
45	RTC Market												
46	10 Min Spin East	5.49	2.42	2.22	3.03	3.86	5.89	3.87	2.99	2.28	1.00	2.93	6.84
47	10 Min Spin West	4.32	1.40	1.66	1.38	1.53			1.90	1.08		1.87	5.31
48	10 Min Non Synch East	0.77	0.37	0.00	0.00	0.39	4.35		1.23	0.97	0.00	0.00	0.21
49	10 Min Non Synch West	0.05	0.00	0.00	0.00	0.00	0.11		0.35	0.02	0.00	0.00	0.00
50	30 Min East	0.00	0.00	0.00	0.00	0.00	0.04		0.07	0.00	0.00	0.00	0.00
51	30 Min West	0.00	0.00	0.00	0.00	0.00			0.07	0.00		0.00	0.00
52	Regulation East	43.11	34.13	34.13	26.86	27.28			26.27	20.15		11.99	17.83
53	Regulation West	43.11	34.13	34.13	26.86	27.28	27.26	25.32	26.27	20.15	13.58	11.99	17.83
55	Real Time Market						-						
56	10 Min Spin East	7.67	3.08	2.54	3.31	4.30			3.13	3.17		3.07	7.78
57	10 Min Spin West	6.37	1.78	2.05	2.09	1.73			2.17	1.46		2.09	6.16
58	10 Min Non Synch East	0.83	0.74	0.00	0.00	0.81	4.28		1.09	1.55		0.12	0.44
59	10 Min Non Synch West	0.00	0.00	0.00	0.00				0.28	0.09		0.00	0.00
60	30 Min East	0.00	0.00	0.00	0.00	0.00			0.04	0.00		0.00	0.00
61	30 Min West	0.00	0.00	0.00	0.00	0.00			0.04	0.00		0.00	0.00
62	Regulation East Regulation West	46.71 46.71	35.21 35.21	35.26 35.26	27.47 27.47	27.78 27.78		-	26.94 26.94	20.94 20.94		12.69 12.69	19.11 19.11
63							/X () 3						



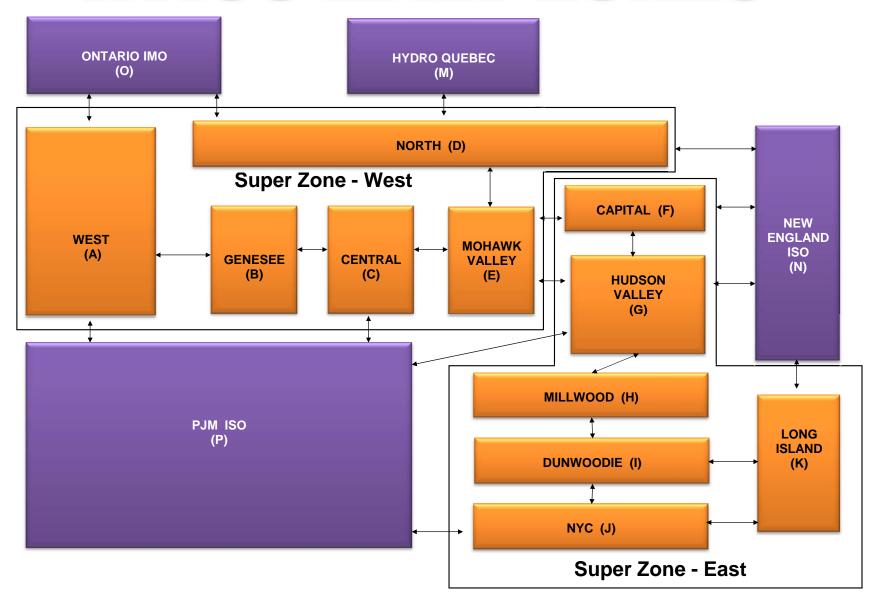








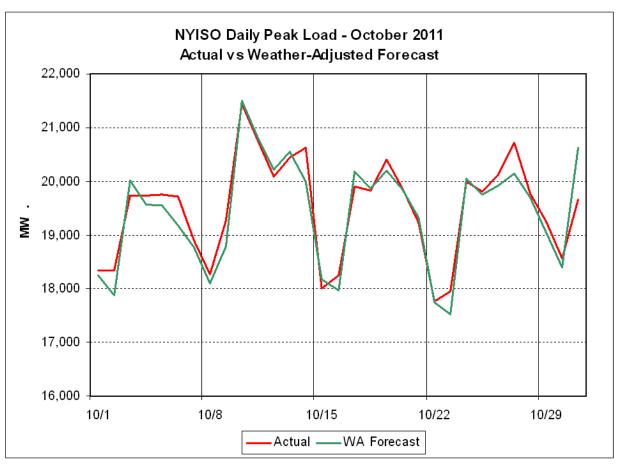
NYISO LBMP ZONES

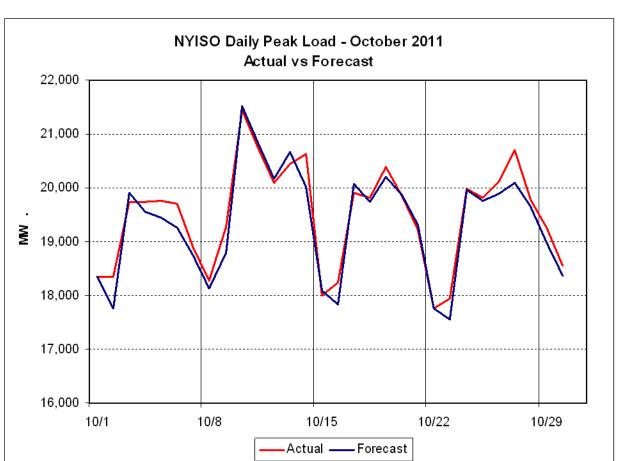


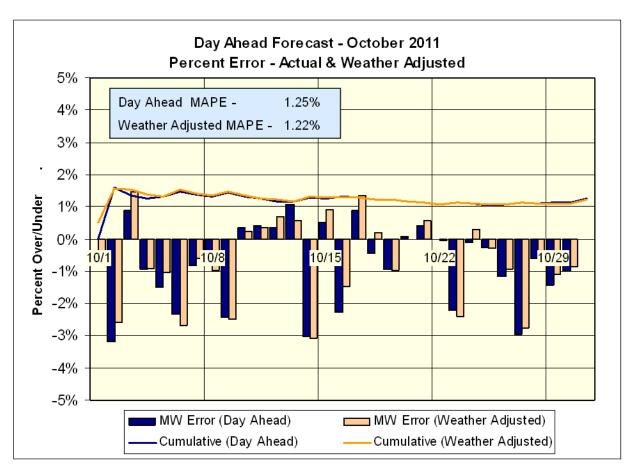
Billing Codes for Chart 4-C

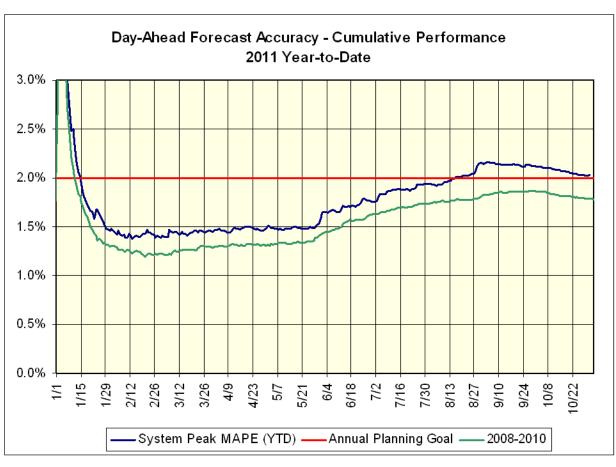
Chart 4-C Category Name	Billing Code	Billing Category Name
Bid Production Cost Guarantee Balancing	81203	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81204	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee 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	84001	EDRP/SCR Demand Response - Local
Bid Production Cost Guarantee DAM	84101	EDRP/SCR Demand Response - NYISO Wide
Bid Production Cost Guarantee DAM	81401	DAM Price Responsive Load Program
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

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Project	Status and Milestone Deliverables
	Business Intelligence Products
E-Planning Enhancements	Status: E-Planning is a comprehensive collaboration system for NYISO System Resource Planning. The 2010 deployment was specific for Interconnection Studies. The software enhancements were successfully deployed in June. This project is complete.
2 Fidining Emulicements	Deliverables: The focus of the 2011 project will be extending functionality to include other types of studies conducted by System Resource Planning, such as Transmission Studies.
Web Posting Enhancements: Operational Events	Status: "Web Postings" refers to a series of processes that generate and publish various CSV, PDF, and HTML files to NYISO's OASIS site (http://mis.nyiso.com/public). These files include zonal and generator pricing data for the Real-Time, Hour-Ahead, and Day-Ahead markets, outage data, interface limits & flows, PAR schedules & flows, actual load and load forecasts, various reports, and other publicly available data used by Market Participants. Software changes were successfully deployed in October. This project is complete.
Events	Deliverables: The focus of the 2011 project is to enable the real time posting of operational events, such as Major Emergency, Thunder Storm Alert, Reserve Pickup and Area Control Error (ACE), to nyiso.com. Implementation is scheduled for 4 th Q 2011.
	Capacity Market Products
Additional Capacity Zones	Status: The NYISO and stakeholders developed the rationale in 2010 for creating additional capacity zones, identified as a recommendation in the 2009 State of the Market report. NYISO submitted a FERC compliance filing in January 2011 to define the criteria for creating new capacity zones. A Lower Hudson Valley capacity zone is under consideration to reduce the impact of deliverability and better reflect the cost of new entry. The Market Design Concept was discussed with stakeholders in late October in preparation for the November compliance filing.
	Deliverables: The 2011 project will focus on the functional design of the logic to generalize the addition, and possibly subtraction, of capacity zones within the ICAP Automated Market System.
	Status: In February 2011 FERC accepted NYISO's compliance filing, which was submitted based on 2010 stakeholder discussions. In June NYISO deployed software changes to implement rules specific to new and up-rated Generator projects in NYC. Additional software changes were deployed in September. This project is complete.
Buyer Side Mitigation Rules	Deliverables: Implement the necessary rule changes within the ICAP Automated Market System, including floor price adjustment, duration of mitigation, and exemption tests. Implementation is scheduled for 3rd Q 2011 to be effective for the Winter Capability Period.



Project	Status and Milestone Deliverables					
	Demand Response Products					
Demand Response Aggregations in DSASP	Status: Based on the NYISO's response to FERC Order 719, in 2010 NYISO and stakeholders discussed the changes needed to accommodate aggregated small demand response resources providing ancillary services (DSASP). The Market Design Concept to treat aggregations in the same manner as individual DSASP resources was proposed and approved by Market Participants at the December 2010 BIC.					
	Deliverables: Implement the required rule changes and software changes. Implementation is planned for 2012.					
	Status: In 2010 NYISO and stakeholders discussed the stakeholder need to enable direct communications from the NYISO to the DSASP provider/aggregator.					
Demand Side Ancillary Services Program (DSASP) Direct Metering	Deliverables: The 2011 project will address the required market rule, software, and hardware changes needed to enable direct communications from the NYISO to the DSASP provider/aggregator. Completion of the functional requirements is scheduled for the 4 th Q 2011.					
	Status: NYISO and Market Participants are awaiting further direction from FERC on the concepts for permitting demand response entities to participate in the NYISO's real time energy market.					
Demand Response – Real Time Energy Market	Deliverables: The focus of this project in 2011 is the development of the architectural design specification for the software changes required to enable this functionality. Completion of the architectural design is scheduled for the 4 th Q 2011.					
SCR Baseline/Aggregation Rules	Status: Stakeholders approved market rule changes at the February 2011 Management Committee. These changes will result in improved estimates of the demand reduction capabilities (and Installed Capacity) of SCRs, better alignment with operational expectations during an SCR event, and greater clarity in applying performance deficiency penalties to the entities that represent SCRs in the NYISO market: Responsible Interface Parties. At the request of the Market Participants, NYISO will be seeking expedited treatment from FERC. All required software changes were successfully deployed in September. This project is complete.					
	Deliverables: The focus of the 2011 project is implementation of the required software changes within the Demand Response Information System (DRIS) to implement the market rules approved by stakeholders. Implementation is scheduled for 3rd Q 2011.					



Project	Status and Milestone Deliverables
	Energy Markets Products
Ancillary Services Mitigation	Status: Per recommendation of NYISO's Market Advisor, NYISO should modify two mitigation provisions that may limit competitive 10-minute reserves offers in the day-ahead market. NYISO presented a market design concept to stakeholders in September. Tariff changes and software changes are planned for 2012.
Thomas y controls minganon	Deliverables: This project will focus on an evaluation of these two mitigation provisions and identification of appropriate modifications, if necessary. A market design concept proposal is scheduled for 3 rd Q 2011.
Buy-through of Congestion	Status: Buy-Through of Congestion is a Broader Regional Markets initiative that addresses congestion costs created by loop flow from external transactions. Parties scheduling transactions with any of the ISOs surrounding Lake Erie would be billed for real-time congestion costs incurred by neighboring systems supporting the loop flow created by the transaction to maintain the schedule. Parties scheduling transactions would specify if they are, or are not, willing to pay for off-contract path congestion. This project will implement this functionality.
	Deliverables: Given FERC's reprioritization of this BRM initiative in the December 30, 2010 FERC Order, there are no planned deliverables for 2011.
Enhanced Shortage Pricing Phase I	Status: The NYISO implemented reserve demand curves as part of the SMD2 implementation to accurately and consistently capture shortage conditions directly into the market clearing prices. During the development of the market rules, set points (or set point/ MW pairs) were established for the Ancillary Service products. The demand curve will be modified to better reflect the value of reserves during shortage conditions, consistent with operational practices and reserve scheduling requirements.
	Deliverables: The focus of this project for 2011 is to implement the required software changes. This project was successfully implemented in May. This project is complete.
Interregional Transaction Coordination Phases I and III	Status: Interregional Transaction Coordination is a Broader Regional Markets initiative that provides more frequent scheduling of external energy transactions with the interfaces. Currently, energy transactions between NY and other control areas are evaluated economically once for the hour. The 2008 and 2009 State of the Market recommendation #2 is, "NYISO continue its work with neighboring control areas to better utilize the transfer capability between regions." Phase I of this project will enable more frequent scheduling with Hydro Quebec (HQ). Phase III will enable more frequent scheduling with PJM.
	Deliverables: The focus of this project in 2011 is to deliver the necessary software enhancements and tools to implement Intra-hour energy transaction scheduling capabilities with HQ in May 2011 and PJM in September 2011. The Phase I software changes were deployed in May, and NYISO activated the software in July. Phase 1 is complete.



Project	Status and Milestone Deliverables
Interregional Transaction Coordination Phase IV – ISO-NE Intra-hour	Status: This project expands upon the work completed in Phases 1 and 3 by implementing Intra-hour energy transaction scheduling capabilities with ISO-NE. The 2008 and 2009 State of the Market recommendation #2 is, "NYISO continue its work with neighboring control areas to better utilize the transfer capability between regions."
Transaction Scheduling	Deliverables: The focus of this project in 2011 is to develop the functional requirements and complete the tariff filling in 4 th Q 2011.
Market to Market Coordination - PJM	Status: In late-2006, PJM approached NYISO, interested in developing a program to allow inter-control area dispatch to help manage congestion. PJM has implemented a program with MISO. In 2007, NYISO initiated discussions with PJM to further understand the MISO program and begin to outline a conceptual straw proposal for a similar program between PJM and NY. NYISO has continued to define the details of a Market to Market (formerly known as Congestion Management) protocol between NYISO and PJM. In 2009, NYISO worked with PJM and NYISO stakeholders to develop a Market to Market protocol. Protocol development was not completed in 2009. The question of entitlement rights on coordinated flowgates could not be addressed until the NYISO had developed or procured a market flow calculator. The December 30, 2010 FERC Order regarding the NYISO's Lake Erie Loop Flow response directs the NYISO to implement market to market with PJM faster than originally planned.
	Deliverables: In 2011 the NYISO will implement the market flow calculator necessary for this project. The deployment of this project is scheduled for 4 th Q 2012.
Interface Pricing (PAR Modeling Upgrades)	Status: PAR Modeling Upgrades is a Broader Regional Markets initiative that modifies how power flows are represented on the SCUC, RTC and RTD models. This requires changes to the current PAR modeling techniques used by SCUC, RTC and RTD, where PARs will need to be modeled as free flow devices for the purposes of pricing and dispatch, but also provide the ability to offset the PAR schedules with an injection or withdrawal to represents extrinsic power flow effects like Lake Erie Loop Flow. The software changes were successfully implemented in October. This project is complete.
	Deliverables: This project is targeted for deployment in October 2011.
Scheduling and Pricing: Regulation Ramp	Status: Today, some generators have a physical limitation on the regulation that can be provided within certain unit operating ranges. This project will allow generators to specify different regulation response rates for different energy output levels, similarly to the three energy response rates allowed today. With these additional regulation response rates, SCUC, RTC, RTD and AGC will know how best to co-optimize the output of a generating unit while meeting the physical operating characteristics of that unit. Additionally, these responses rates will still need to be maintained at a rate that is equal to or lower than the energy response rate. An alternative solution may be to create a distinct regulation upper limit.
	Deliverables: The focus of this project in 2011 is to develop a market design concept in 4 th Q 2011.



Project	Status and Milestone Deliverables
-	
	Enterprise Technology Products
Enterprise Data Storage Migration	Status: This project focuses on migrating from leased storage hardware onto purchased storage hardware with a longer lifespan that can be upgraded with minimal disruptions to the organization. This new storage hardware supports increased performance and storage requirements, which are required for upcoming market design and Smart Grid initiatives. The hardware migration was successfully completed in September.
	Deliverables: The hardware migration is scheduled for completion in 3 rd Q 2011.
Identity and Access Management	Status: This project continues the roadmap initiated in 2010. This project will help address NERC Critical Infrastructure Protection (CIP) compliance requirements and deliver a foundation for enterprise-wide identity and access management. Technical controls and workflows will manage employee user identities and access rights to widely used critical cyber assets defined by NERC CIP. The solution will provide reporting and visibility to current access entitlements and immediate revocation of rights on employee exit. Changes were successfully deployed in August.
	Deliverables: The focus of this project in 2011 is the implementation of the functionality to automate the controls and management of employer user identities and access rights. Implementation is scheduled for 3 rd Q 2011.
Ranger Hardware Migration	Status: This project focuses on migrating from leased servers onto purchased servers for the benefits of a scalable solution that can be upgraded with minimal disruptions to the organization, extends the lifespan of the Ranger platform, and enables software performance tuning to support data volumes anticipated with future market initiatives.
	Deliverables: The hardware migration was successfully completed. This project is now complete.
	Finance Products
Bid Production Cost Guarantee Enhancements	Status: These changes were requested as part of the Strategic Tariff review and specifically impact the Day Ahead and Real Time Bid Production Cost Guarantee (BPCG) calculations with respect to Bilateral transactions and RT BPCG for regulation providers. Modifications are needed to the DA and RT BPCG calculations for generators with bilateral transactions to use implied revenues based on LBMPs and actual bid costs; and, start up costs need to be included in the calculation of BPCG regardless of the existence of bilateral transactions. Modification needed to the RT BPCG calculations for generators providing RT regulation that do not have a DA schedule for energy to include both the cost and revenue components associated with Incremental energy from the units Min Gen to Min Gen plus scheduled regulation MW's. The incremental energy costs are currently not included in the calculation. Software changes were successfully deployed in June. This project is complete.
	Deliverables: The focus of this project is the implementation of the software changes needed to support the market rule changes to be approved by Stakeholders, the Board, and FERC. Implementation is scheduled for 2 nd Q 2011.
Consolidated Invoice Redesign	Status: This is a multi-year project focused on implementing weekly invoicing in compliance with FERC Order 741 and replacing old technology. This project will include modifications to Consolidated Invoice, Credit Management System,



Project	Status and Milestone Deliverables
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	Oracle Financials and Finance Department processes, and the Customer Settlements Data Mart to support flexible invoicing. This project was successfully deployed in August. This project is complete.
	Deliverables: This project will implement the software needed to support a shortened settlement cycle and other credit reforms included in FERC Order #741. Implementation is scheduled for 3 rd Q 2011 to support production of the first weekly invoice October 12, 2011.
	Operations & Reliability Products
Dun annia Deiain a	Status: This project will make available LBMP data directly to the Transmission Owners in support of on-going Smart Grid efforts. Today TOs must gather LBMP data from the NYISO web.
Dynamic Pricing	Deliverables: The focus of this project in 2011 is the development of an architectural design specification in 4 th Q 2011.
Operational Tools and Enhancements	Status: The focus of this project is to provide the tools necessary to improve NYISO Operations' analytical capabilities for purposes of improving reliability. There are several initiatives, including support for continuing to provide NERC IDC mandated data exchanges to meet NERC and NASB standards. Existing manual processes used by Security Constrained Unit Commitment (SCUC) Engineers in determining Day Ahead Market (DAM) Unit Commitment will be reviewed and automated where possible. The software changes were successfully deployed in October. Enhancements for 2011 are complete.
	Deliverables: Two deployments are scheduled, one for June and one for October, to implement the prioritized functionality.
Ranger Enhancements for Optimization	Status: Over the next few years, projects like Disaggregated Virtual Trading and the Broader Regional Market initiatives are expected to significantly increase data and transaction volumes processed in the Ranger system. This project aims to analyze and deploy optimization requirements from ABB that are appropriate to improve processing. The primary focus will be on optimization of processing time.
and Performance	Deliverables: The focus of this project for 2011 is the completion of an architectural design specification in 4 th Q 2011.
Reference Level Software Enhancements	Status: This project will focus on enhancing the Reference Level Software (RLS) application that was implemented in November 2010. The enhancements to the RLS application will focus on automating manual processes and providing long term monitoring tools to Market Mitigation and Analysis. Software changes were successfully deployed in June. This project is complete.
	Deliverables: The implementation of these prioritized enhancements is scheduled for 2 nd Q 2011.
Reliability Commitment Transparency	Status: This project will provide Dispatchers with a drop down list of available Application of Reliability Rules (ARR) to select the ARR in effect when TOs call to inform dispatchers of a Day Ahead Reliability Unit (DARU). Software changes



Project	Status and Milestone Deliverables						
	were deployed in June. This project is complete.						
	Deliverables: Implementation of this functionality is scheduled for 2 nd Q 2011.						
	Planning and TCC Market Products						
TCC Multi-Duration and Balance of Period Centralized Auction	Status: This project continues the 2010 efforts to provide for TCC Auction 'End State' functionality; in 2010 NYISO implemented functionality for MPs to sell TCCs in any round. Continuing efforts will focus on the implementation of Non-Historic Long Term Fixed Price TCCs, multi-duration capability period auctions, and balance of period TCCs. Consistent with NYISO's response to a FERC Order, NYISO is planning a June 2013 implementation to support offering Non-Historic Long Term Fixed Price TCCs beginning with the Autumn 2012 Capability Period Auction. NYISO completed the functional requirements specifications in June as planned.						
	Deliverables: The focus of this project is the completion of the functional requirements specifications for all of the functionality in 2 nd Q 2011.						
High Performance Computing for Planning Studies	Status: This is a project to put in place the infrastructure required to enable System Resource Planning to conduct large, data intensive planning studies. The solution for MARs was successfully deployed in August. Phase I of this project is complete.						
Training Studies	Deliverables: The focus of this project in 2011 is the implementation of the solution in 4 th Q 2011.						
Siemen's PTI Model-on-Demand Phase II	Status: The second phase of this project will focus on maintenance and consulting for implementation of the Siemens PTI Model-on-Demand (MOD) web portal, which will allow TOs and MPs to review and approve data in a structured, interactive manor. The architectural design specification was reviewed and approved by IT in September.						
	Deliverables: The focus of this project in 2011 is the completion of the architectural design specification in 3 rd Q 2011.						

Summary Description of FERC Regulatory Filings, Investigations and Rulemakings and Related Orders in NYISO Matters October 2011

Filing Date	Filing Summary	Docket	Order Date	Order Summary	Outcome
8/12/2011	NYISO 205 filing re: Voltage Support Service	ER11-4303-000	10/03/2011	FERC letter order accepting revisions effective 10/11/11	Accepted
9/13/2011	NYISO filing of errata to the August 12, 2011 filing regarding Voltage Support Service	ER11-4303-001	10/03/2011	FERC letter order accepting revisions effective 10/11/11	Accepted
8/17/2011	NYISO filing of tariff revisions re: TCC credit requirements and default notifications	ER11-4328-000	10/06/2011	FERC letter order accepting revisions effective 10/18/11	Accepted
9/22/2011	NYISO compliance filing of ICAP Demand Curve tariff revisions	ER11-2224-010	10/6/2011	FERC letter order accepting revisions effective 9/15/11 as requested	Accepted
6/24/2011	NYISO 205 filing of proposed tariff revisions to clarify the definition of ATC and to update lists of NAESB WEQ standards	ER11-3881-000	10/20/11	FERC order accept/deny part -direct compliance w/ revised ATC definition and waiver justifications	Accepted –Compliance Rqrd
8/17/2011	NYISO filing to waive right to FERC action within 60 days and to modify the proposed effective date re: ATC definition	ER11-3881-001	10/20/2011	FERC order accept/deny part -direct compliance w/ revised ATC definition and waiver justifications	Accepted –Compliance Rqrd
9/12/2011	NYISO compliance filing re: confidential rules of data sharing framework with States PSCs/ISOs and MMUs in comply with August 19, 2011 Commission's order	ER11-3312-001	10/21/2011	FERC letter order accepting compliance filing effective 6/5/11 as requested	Accepted
8/26/2011	NYISO one time report to FERC re: Regional Control Device Study on Broader Regional Markets; Long-Term Solutions to Lake Erie Loop Flow	ER08-1281-009	10/24/2011	FERC letter order accepting report for informational purposes	Accepted
9/21/2011	NYISO filing of tariff revisions in compliance with a 1000 MW Contract settlement agreement with PJM	ER11-4585-000	10/28/2011	FERC letter order accepting filing effective 9/16/10	Accepted
10/5/2011	Section 205 filing of tariff revisions regarding Dispute Resolution Provisions	ER12-26-000			
10/5/2011	Section 205 filing of ISO Agreement revisions regarding Dispute Resolution Provisions	ER12-27-000			

Filing Date	Filing Summary	Docket	Order Date	Order Summary	Outcome
10/7/2011	NYISO e-filing Compliance Filing at FERC re: Second Informational Report on Efforts to Develop Rules Addressing Compensation to Generators that Are Determined to be Needed for Reliability	ER10-2220-00_			
10/7/2011	NYISO filing of LGIA among NYISO, LIPA, and Long Island Solar Farm	ER12-48-000			
10/11/2011	NYISO Third Supplement to Notice of Lists of Reviewing Representatives	EL11-50-00			
10/11/2011	NYISO's compliance filing re: request for clarification, or in the alternative Rehearing, re: new ICAP capacity zone	ER04-449-023			
10/11/2011	NYISO request for leave to submit answer and answer to pleadings opposing exemptions and answer to motion to lodge.	EL11-50-000			
10/14/2011	NYISO 205 filing re: revisions to OATT Rate Schedule 1 to change Operating Cost Allocations.	ER12-89-000			
10/18/2011	NYISO filing of supplement to its October 7, 2011 Second Informational Report	ER10-2224-000			
10/21/2011	ISO/RTO Council filed a Motion to Intervene and Comments on NERC's petition requesting approval of new enforcement mechanisms	RC11-6-000			
10/27/2011	NYISO Ninth Non-Public Quarterly audit Report Submitted to Office of Enforcement, Division of Audits	PA08-3-000			
10/28/2011	NYISO compliance to PSC re: loan closing informational filing for new facility	Case 10-E-0640			