

# Monthly Report

November 2014

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# Operations Performance Metrics Monthly Report





### November 2014 Report

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#### **November 2014 Operations Performance Highlights**

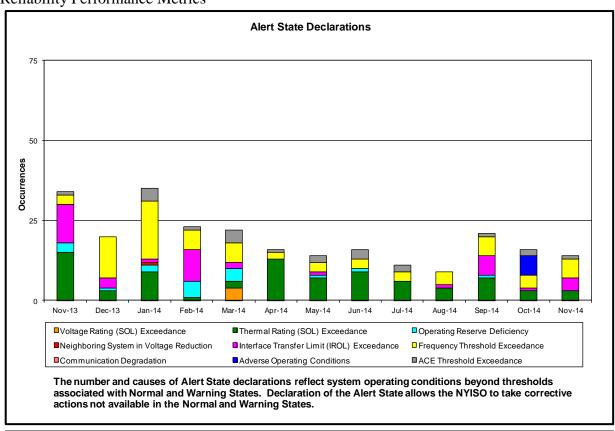
- Peak load of 22,466 MW occurred on 11/18/2014 HB 17
- All-time winter capability period peak load of 25,738 MW occurred on 1/7/2014 HB 18
- 0 hours of Thunder Storm Alerts were declared
- 0 hours of NERC TLR level 3 curtailment
- Broader Regional Market Coordination monthly value was \$0.89M
- Broader Regional Market Coordination year-to-date value was \$8.47M
- Statewide uplift cost monthly average was \$(0.64)/MWh
- The following table identifies the Monthly ICAP spot market prices by locality.

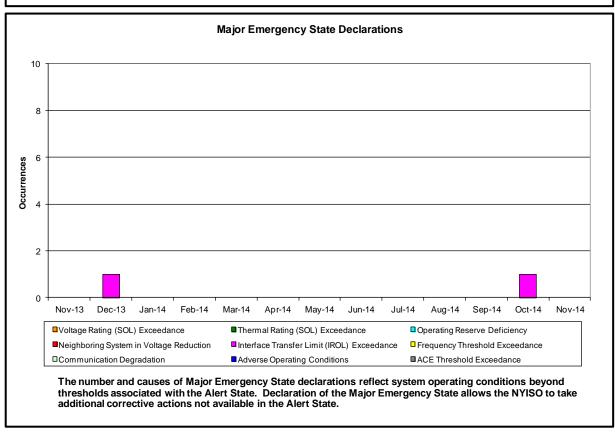
Spot Auction Price Results	NYCA	Lower Hudson Valley Zones	New York City Zone	Long Island Zone
December 2014 Spot Price	\$3.50	\$4.76	\$8.87	\$3.50
Change from Prior Month	\$2.07	(\$1.00)	(\$0.09)	\$0.51

- NYCA Price increases by \$2.07 due to an approximate 160 MW increase in UCAP and a net decrease of approximately 1230 MW ICAP at the HQ Interface.
- LHV Price decreases by \$1.00 due to an increase of approximately 150 MWs of UCAP.
- LI Price increases by \$0.51 due to LI clearing at NYCA price.

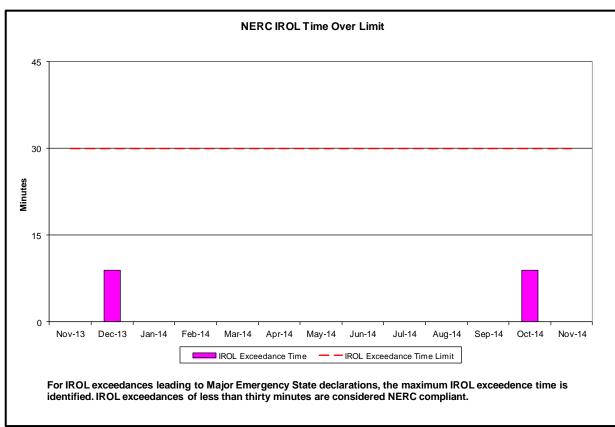


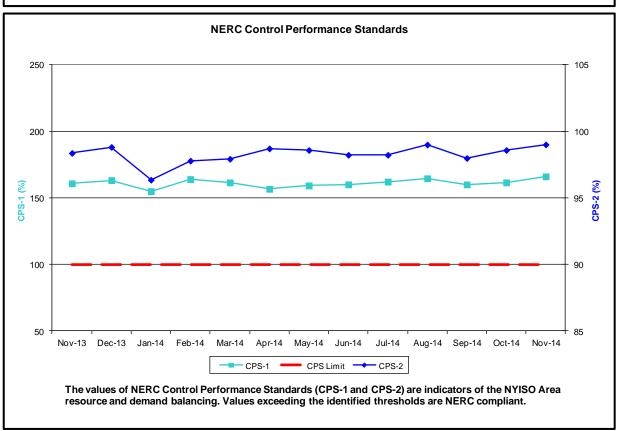
#### **Reliability Performance Metrics**



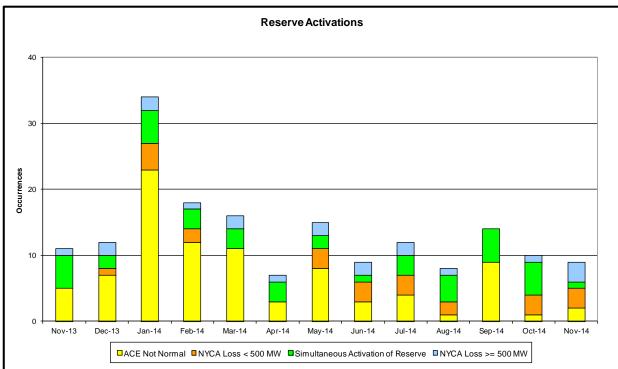




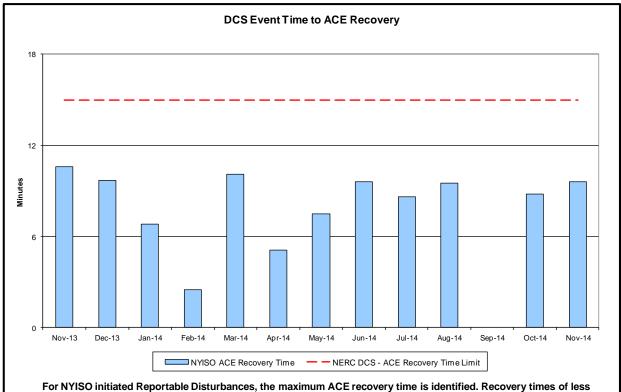




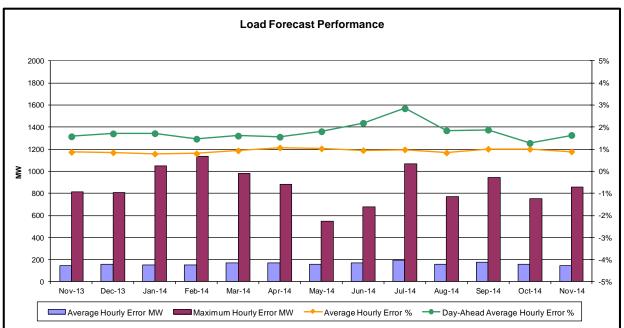




NYISO Reserve Activations are indicators of the need to respond to unexpected operational conditions within the NYISO Area or to assist a neighboring Area (Simultaneous Activation of Reserves) by activating an immediate resource and demand balancing operation.



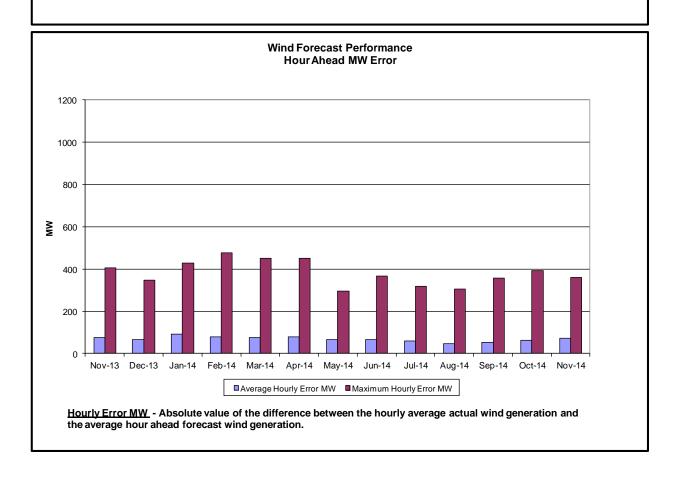




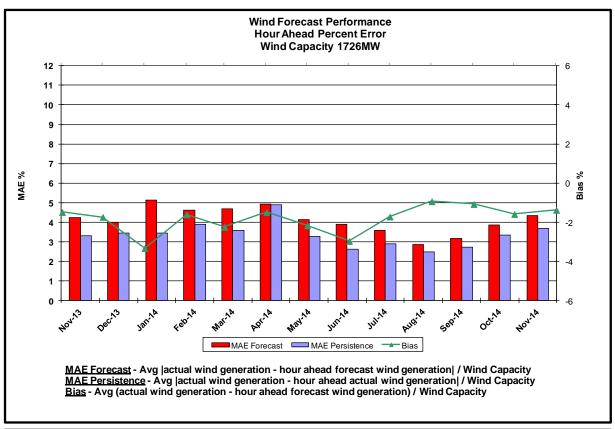
<u>Hourly Error MW</u> - Absolute value of the difference between the hourly average actual load demand and the average hour ahead forecast load demand.

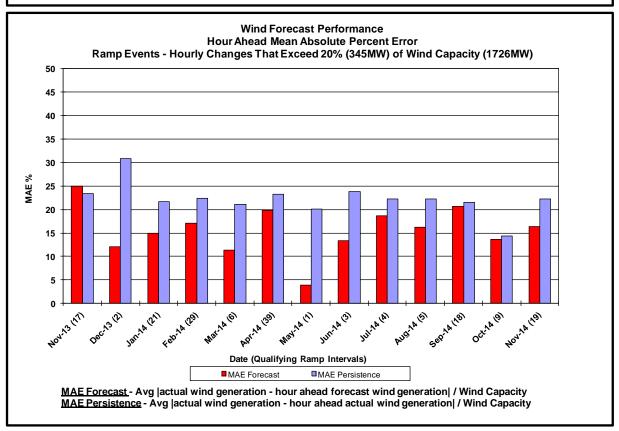
<u>Average Hourly Error %</u> - Average value of the ratio of hourly average error magnitude to hourly average actual load demand.

<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.

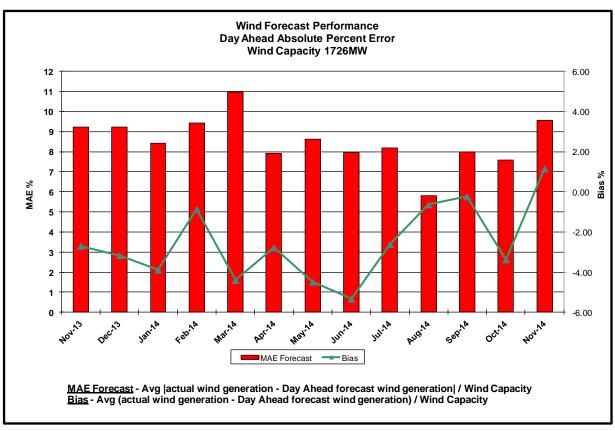


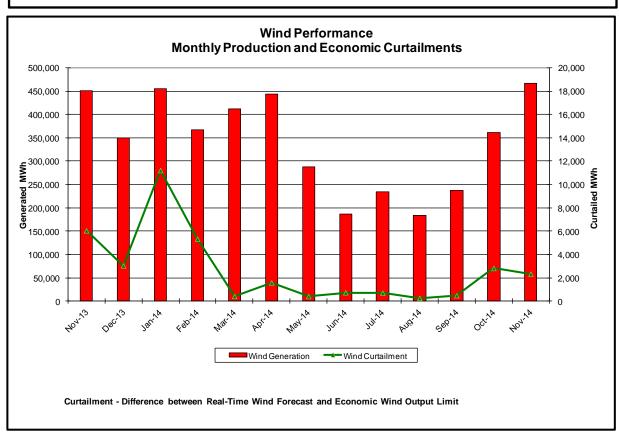




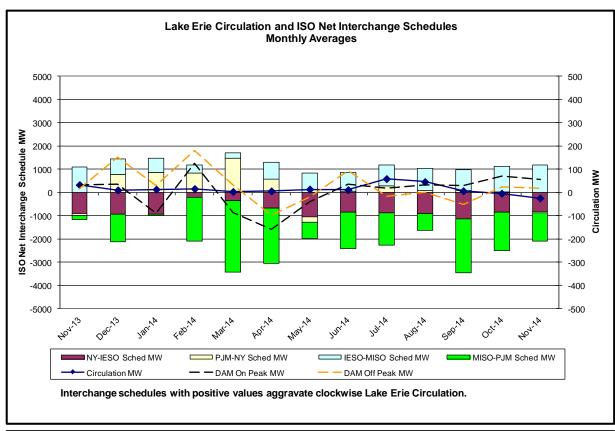


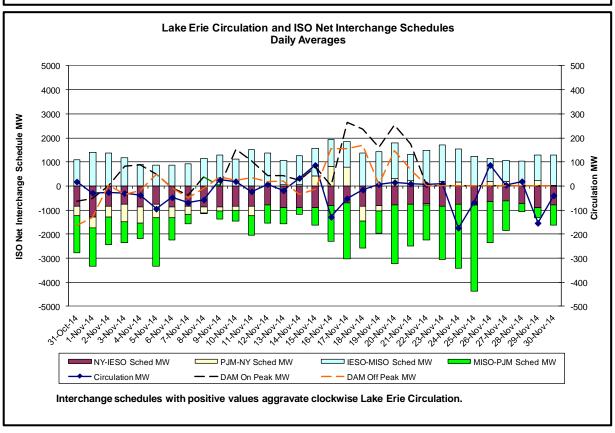






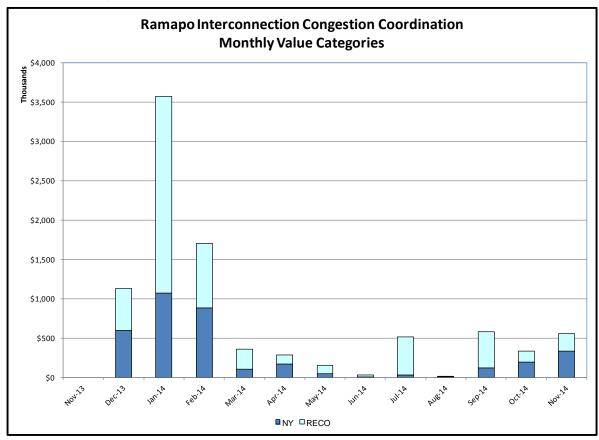


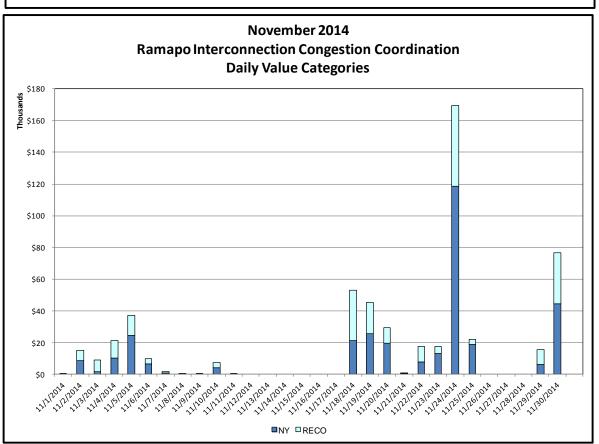






#### **Broader Regional Market Performance Metrics**







#### Ramapo Interconnection Congestion Coordination

<u>Category</u> <u>Description</u>
NY Represents t

Represents the value NY realizes from Market-to-Market Ramapo Coordination. When experiencing congestion, this includes (1) the estimated savings to NY for additional deliveries into NY, plus (2) PJM compensation to NY for additional deliveries into PJM (as compared to the Ramapo Target level, excluding RECO). This is net of any settlements to

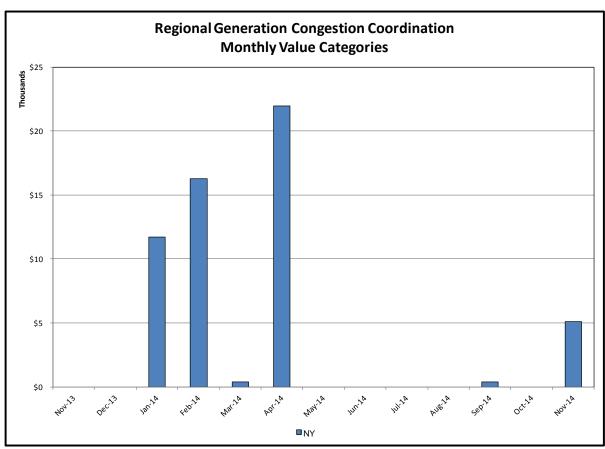
PJM when they are congested.

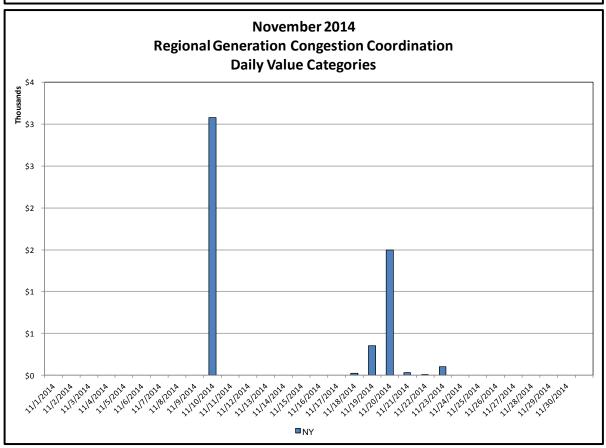
RECO Represents the value of PJM's obligation to deliver 80% of service to RECO load over

Ramapo 5018. This includes (1) the estimated reduction in NYCA congestion due to the PJM delivery of RECO over Ramapo 5018, plus (2) PJM compensation to NY for NYCA congestion

for the under-delivery or inability to deliver service to RECO load over Ramapo 5018.







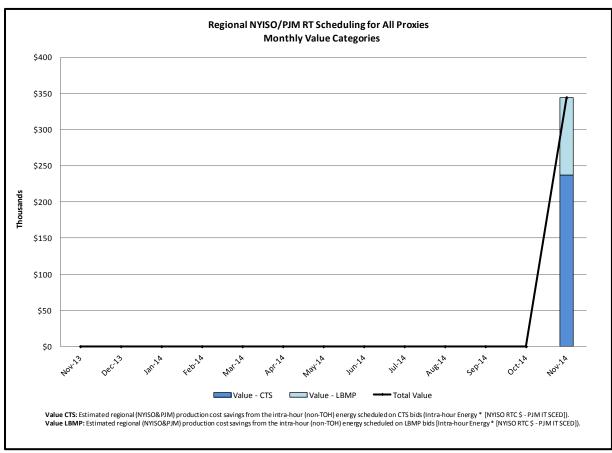


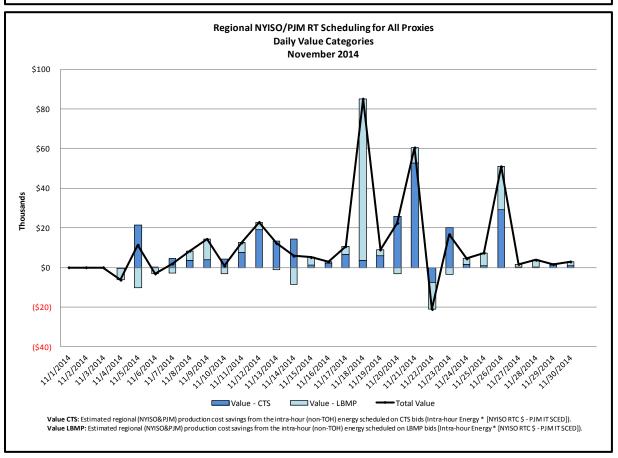
#### **Regional Generation Congestion Coordination**

<u>Category</u> NY

 $\underline{\textbf{\textit{Description}}}$  NYISO savings that result from PJM payments to NYISO when PJM's transmission use (PJM's market flow) is greater than PJM's entitlement of the NY transmission system and NYISO is incurring Western or Central NY congestion. Additionally, NYISO savings may result from the more efficient regional utilization of PJM's generation resources to directly address Western or Central NY transmission congestion.

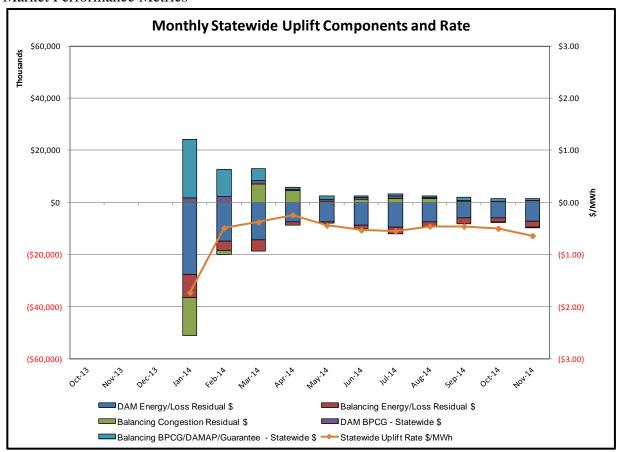




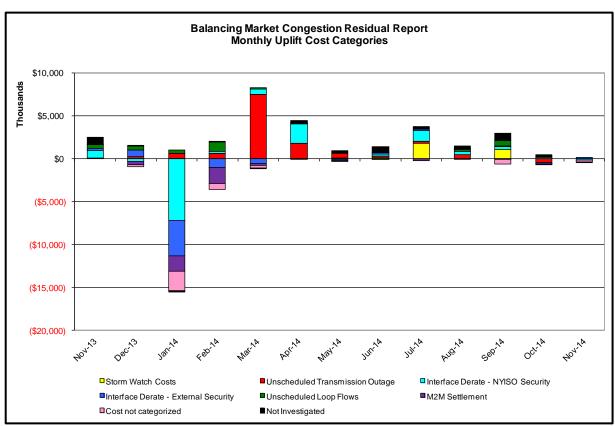


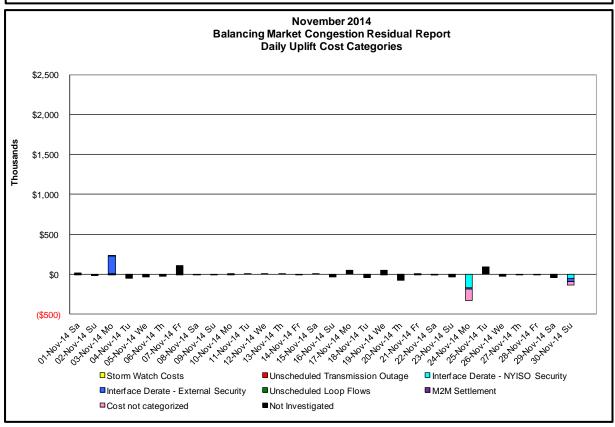


#### Market Performance Metrics









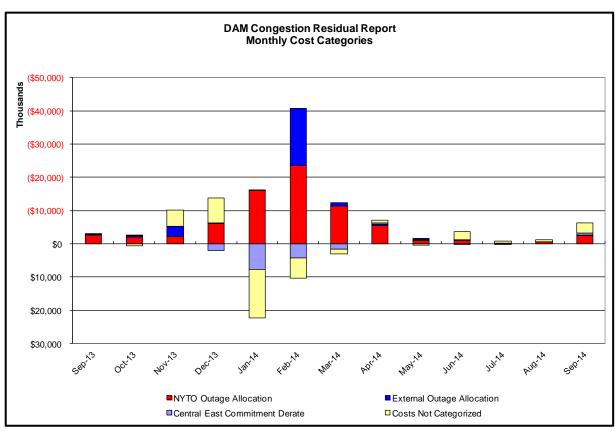


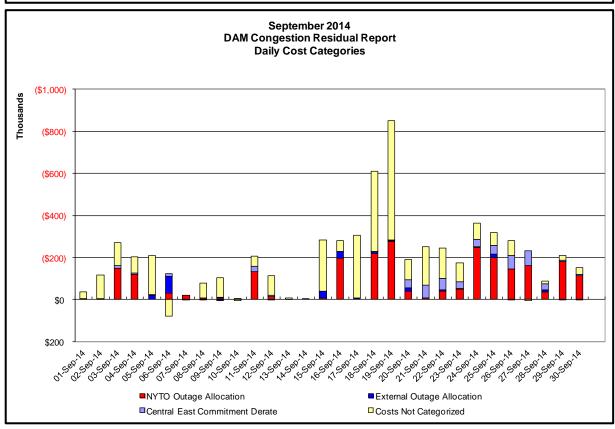
Day's	investigated in Novemb	per:3,24,30	
Event	Date (yyyymmdd)	Hours	Description
	11/3/2014	12,15	Derate Dunwoodie-Shore Rd 345kV (#Y50) for I/o Neptune HVDC Tie Line
	11/3/2014	9-10,16,17	HQ_CEDARS-NY Scheduling Limit
	11/3/2014	7-10,12,15-23	NE_AC-NY Scheduling Limit
	11/24/2014	0,3,4,13,14,18,23	Uprate Central East
	11/24/2014	0,2,19,23	Uprate Dunwoodie-Shore Rd 345kV (#Y50)
	11/24/2014	10,18,19	Uprate Gowanus 138kV PAR (#R2) for SCB:GOWANUS(16):42&26
	11/24/2014	0	NE_AC-NY Scheduling Limit
	11/30/2014	0-7,20-23	Uprate Central East
	11/30/2014	10-13,15	NE_AC-NY Scheduling Limit

	Pool Time Polar	aina Markat Can	mastice Booldwal (Unlift Coot) Cots	
i	Real-Time Datan	cing Market Con	gestion Residual (Uplift Cost) Cate	gories
l				
	<u>Category</u>	Cost Assignment	· · · · · · · · · · · · · · · · · · ·	Event Examples
	Storm Watch	Zone J	Thunderstorm Alert (TSA)	TSA Activations
	Unscheduled Transmission Outage	Market-wide	Reduction in DAM to RTM transfers related to unscheduled transmission outage	Forced Line Outage, Unit AVR Outages
	Interface Derate - NYISO Security	Market-wide	Reduction in DAM to RTM transfers not related to transmission outage	Interface Derates due to RTM voltages
	Interface Derate - External Security	Market-wide	Reduction in DAM to RTM transfers related to External Control Area Security Events	TLR Events, External Transaction Curtailments
	Unscheduled Loop Flows	Market-wide	Changes in DAM to RTM unscheduled loop flows impacting NYISO Interface transmission constraints	DAM to RTM Clockwise Lake Erie Loop Flows greater than 125 MW
	M2M Settlement	Market-wide	Settlement result inclusive of coordinated redispatch and Ramapo flowgates	
	Monthly Balancing Market Congestion	on Report Assumpti	ons/Notes	

- 1) Storm Watch Costs are identified as daily total uplift costs
  2) Days with a value of BMCR less M2M Settlement of \$100K/HR, shortfall of \$200K/Day or more, or surplus of \$100K/Day or more are investigated.
  3) Uplift costs associated with multiple event types are apportioned equally by hour



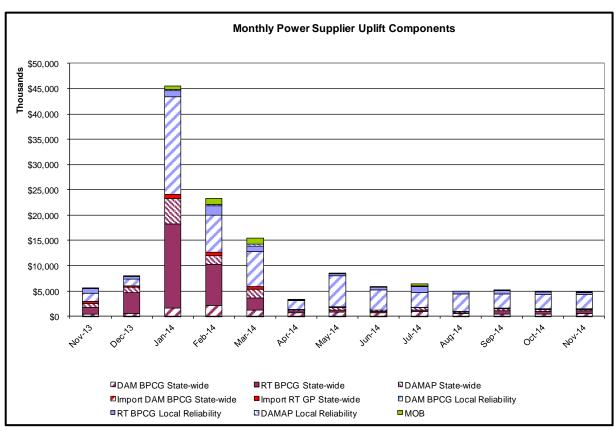


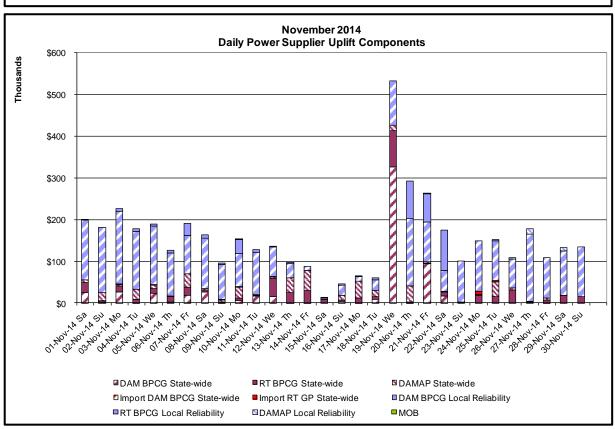




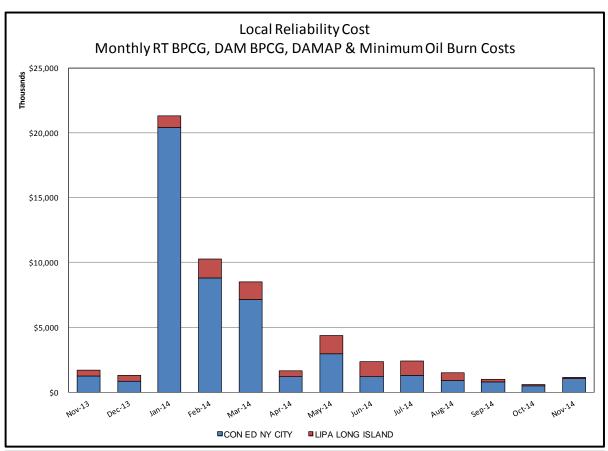
D	ay-Ahead Market Co	ngestion Residual Categories	
Category NYTO Outage Allocation	<u>Cost Assignment</u> Responsible TO	Events Types Direct allocation to NYTO's responsible for transmission equipment status change.	Event Examples  DAM scheduled outage for equipment modeled inservice for the TCC Auction.
External Outage Allocation	All TO by Monthly Allocation Factor	Direct allocation to transmission equipment status change caused by change in status of external equipment.	Tie line required out-of- service by TO of neighboring control area.
Central East Commitment Derate	All TO by Monthly Allocation Factor	Reductions in the DAM Central East_VC limit as compared to the TCC Auction limit, which are not associated with transmission line outages.	

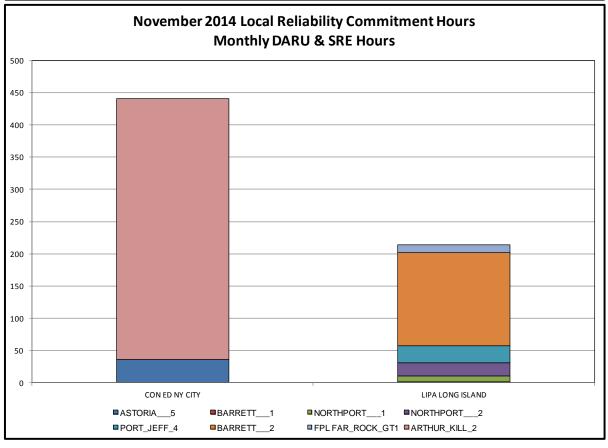




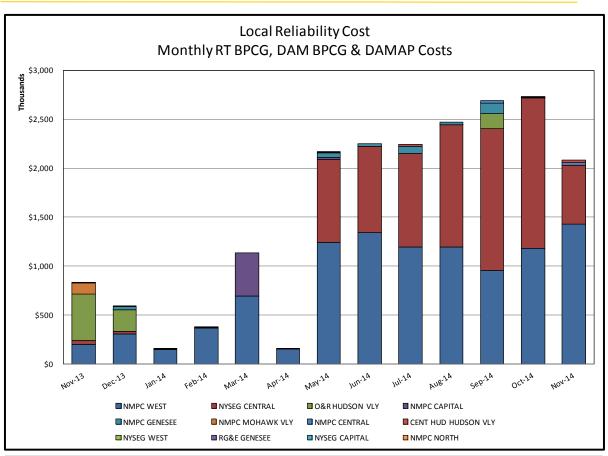


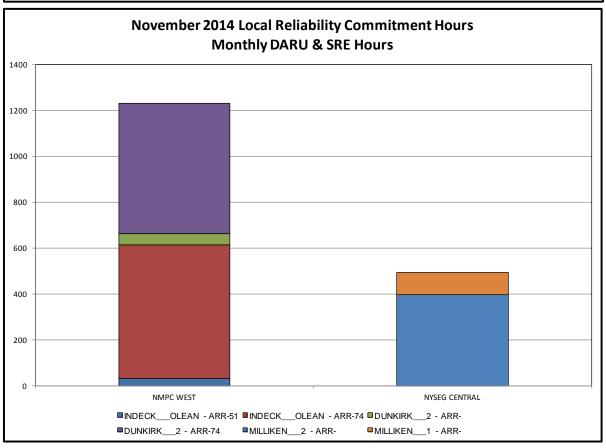




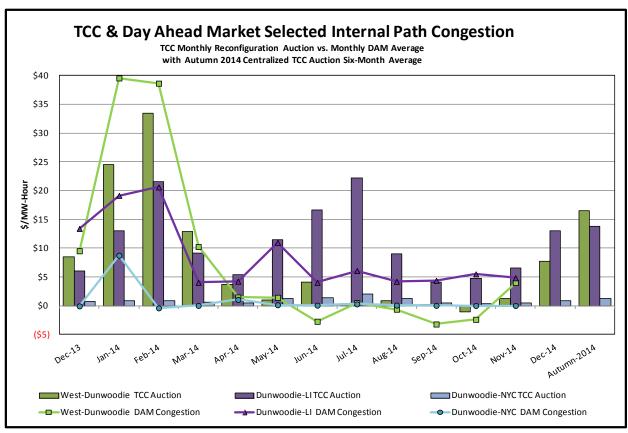


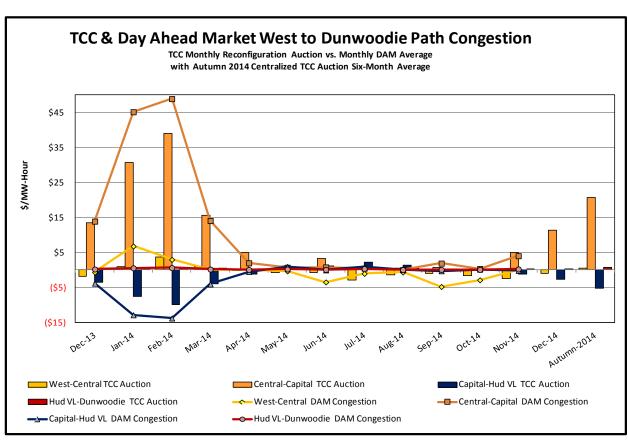




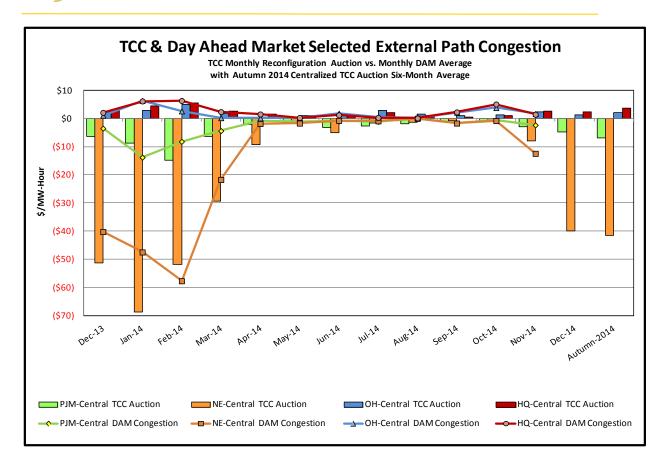




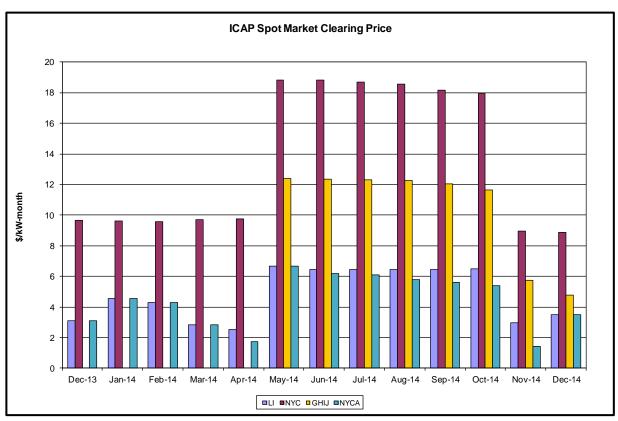


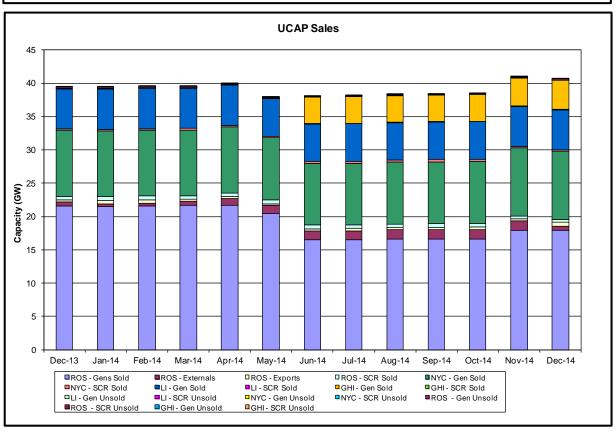










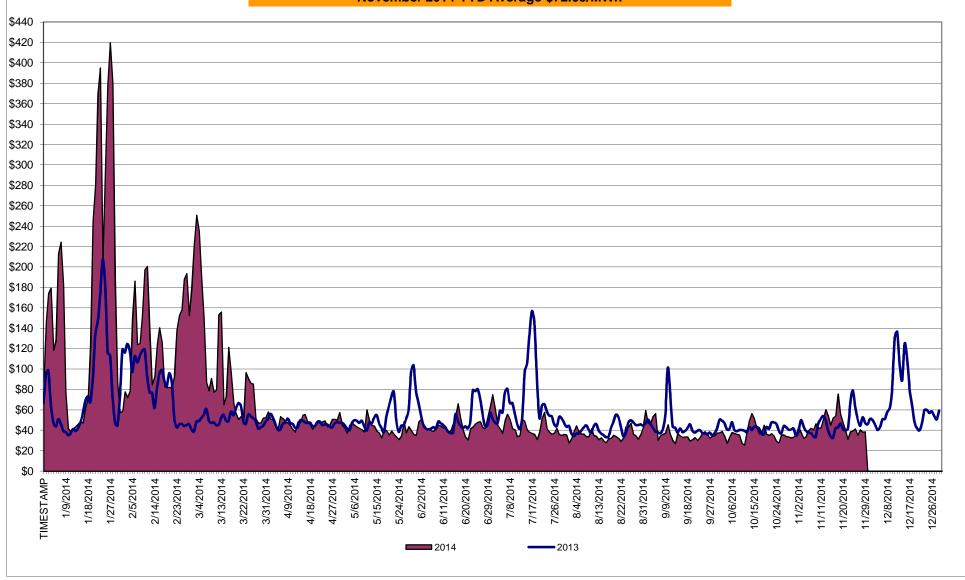


# Market Performance Highlights for November 2014

- LBMP for November is \$42.88/MWh; higher than the \$35.59/MWh in October 2014 and lower than \$43.30/MWh in November 2013.
  - Day Ahead and Real Time Load Weighted LBMPs are higher compared to October.
- November 2014 average year-to-date monthly cost of \$72.05/MWh is a 24% increase from \$58.24/MWh in November 2013.
- Average daily sendout is 413 GWh/day in November; higher than 394 GWh/day in October 2014 and lower than 421 GWh/day in November 2013.
- Natural gas was higher compared to the previous month and distillate prices were lower compared to the previous month.
  - Natural Gas (Transco Z6 NY) was \$3.90/MMBtu, up 84% from \$2.12/MMBtu in October.
  - Jet Kerosene Gulf Coast was \$16.98/MMBtu, down from \$18.25/MMBtu in October.
  - Ultra Low Sulfur No.2 Diesel NY Harbor was \$17.35/MMBtu, down from \$18.11/MMBtu in October.
    - > Distillate prices are continuing to trend downward into December
- Uplift per MWh is lower compared to the previous month.
  - Uplift (not including NYISO cost of operations) is (\$0.40)/MWh; lower than (\$0.24)/MWh in October.
    - ➤ This is the lowest Uplift per MWh since March 2005
    - The Local Reliability Share is \$0.24/MWh, lower than \$0.26 in October.
    - The Statewide Share is (\$0.64)/MWh, lower than (\$0.50)/MWh in October.
  - TSA \$ per NYC MWh is \$0.00/MWh.
  - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than October.

#### Daily NYISO Average Cost/MWh (Energy & Ancillary Services)\*

2013 Annual Average \$59.13/MWh November 2013 YTD Average \$58.24/MWh November 2014 YTD Average \$72.05/MWh

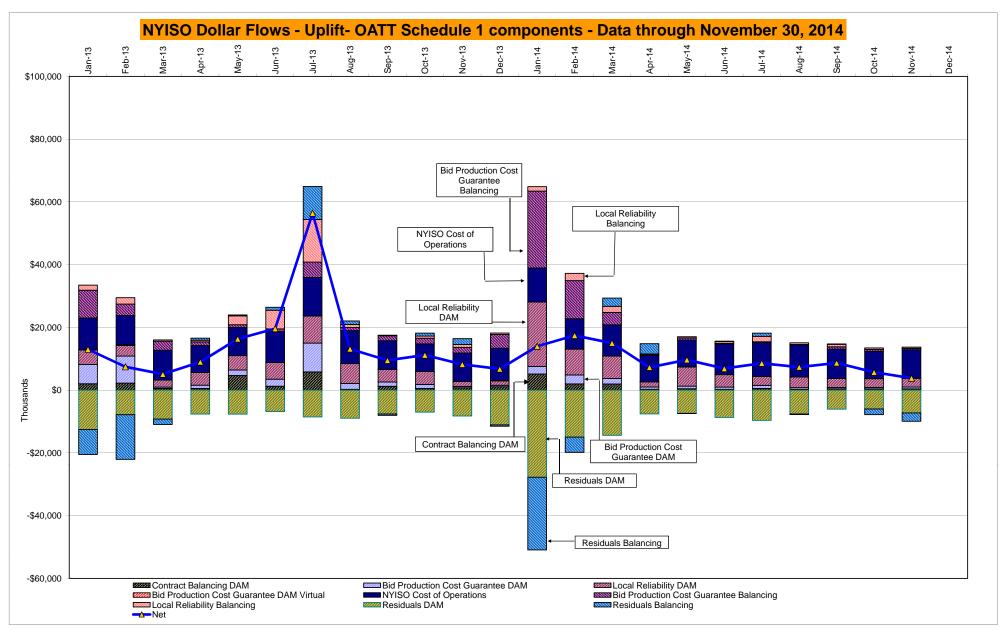


<sup>\*</sup> Excludes ICAP payments.

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

2014	January	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	183.36	123.19	109.58	46.09	40.30	43.39	43.96	34.48	37.62	35.59	42.88	· · · · · · · · · · · · · · · · · · ·
NTAC	0.56	0.64	0.39	1.18	0.69	0.78	0.43	0.41	0.50	0.57	0.69	
Reserve	0.78	0.49	0.56	0.46	0.28	0.27	0.26	0.26	0.29	0.47	0.37	
Regulation	0.27	0.21	0.22	0.13	0.12	0.12	0.12	0.13	0.11	0.12	0.11	
NYISO Cost of Operations	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	
Uplift	0.22	0.56	0.35	(0.09)	0.07	(0.21)	(0.26)	(0.19)	(0.20)	(0.24)	(0.40)	
Uplift: Local Reliability Share	1.43	0.75	0.62	0.15	0.51	0.32	0.29	0.27	0.26	0.26	0.24	
Uplift: Statewide Share	(1.21)	(0.19)	(0.27)	(0.24)	(0.44)	(0.53)	(0.55)	(0.46)	(0.46)	(0.50)	(0.64)	
Voltage Support and Black Start	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	
	_											
Avg Monthly Cost	186.24	126.14	112.15	48.82	42.51	45.39	45.56	36.14	39.37	37.57	44.70	
Avg YTD Cost	186.24	157.93	142.77	121.97	108.36	97.84	89.45	82.58	78.06	74.62	72.05	
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.00	0.03	0.35	0.00	0.42	0.00	0.00	
2013	January	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	79.77	85.76	48.94	44.47	52.21	50.17	68.49	40.81	44.24	39.85	43.30	66.41
NTAC	0.79	0.83	0.76	0.90	0.85	0.86	0.66	0.28	0.57	0.87	1.08	0.59
Reserve	0.38	0.44	0.43	0.36	0.49	0.34	0.50	0.32	0.38	0.42	0.38	0.44
Regulation	0.13	0.13	0.10	0.11	0.09	0.13	0.11	0.13	0.13	0.16	0.13	0.12
NYISO Cost of Operations	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Uplift	0.21	(0.15)	(0.33)	0.02	0.41	0.49	2.06	0.03	(0.05)	0.18	(0.07)	(0.25)
Uplift: Local Reliability Share	0.44	0.40	0.19	0.37	0.58	0.81	1.27	0.49	0.31	0.38	0.19	0.12
Uplift: Statewide Share	(0.23)	(0.55)	(0.52)	(0.35)	(0.17)	(0.31)	0.79	(0.46)	(0.36)	(0.19)	(0.25)	(0.37)
Voltage Support and Black Start	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Avg Monthly Cost	82.34	88.06	50.96	46.91	55.10	53.05	72.87	42.62	46.31	42.54	45.88	68.36
Avg Monthly Cost	02.34	00.00	50.90	40.91	55.10	55.05	12.01	42.02	40.31	42.54	45.00	00.30
Avg YTD Cost	82.34	85.08	74.02	67.80	65.46	63.36	65.10	62.27	60.74	59.30	58.24	59.13
TSA \$ per NYC MWh	0.00	0.00	0.00	0.04	0.58	0.61	1.52	0.43	0.22	0.01	0.00	0.00
2012	January	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	44.00	32.45	28.98	28.31	34.68	47.37	63.80	46.24	39.59	39.30	50.16	44.67
NTAC	0.85	0.80	0.68	0.71	0.72	0.77	0.58	0.65	0.57	0.70	0.75	0.83
Reserve	0.35	0.25	0.38	0.32	0.13	0.36	0.36	0.22	0.23	0.29	0.40	0.26
Regulation	0.10	0.08	0.13	0.12	0.09	0.15	0.15	0.12	0.09	0.10	0.11	0.09
NYISO Cost of Operations	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64
Uplift	0.44	0.17	0.00	(0.18)	(0.11)	0.61	0.23	0.22	(0.33)	1.04	0.82	(0.11)
Uplift: Local Reliability Share	0.49	0.17	0.19	0.10)	0.25	0.42	0.49	0.83	0.26	0.67	0.72	0.30
Uplift: Statewide Share	(0.05)	(0.10)	(0.19)	(0.25)	(0.36)	0.19	(0.26)	(0.61)	(0.59)	0.38	0.12	(0.41)
Voltage Support and Black Start	0.37	0.37	0.19)	0.23)	0.37	0.19	0.37	0.37	0.37	0.37	0.11	0.37
<u> </u>									-			
Avg Monthly Cost	46.75	34.75	31.19	30.29	36.52	50.27	66.14	48.46	41.17	42.44	53.26	46.74
Avg YTD Cost	46.75	41.12	37.96	36.09	36.18	38.89	44.26	44.91	44.51	44.33	45.14	45.28
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	1.52	0.45	0.85	0.46	0.59	0.00	0.00	0.00

\* Excludes ICAP payments. Market Mitigation and Analysis Prepared: 12/4/2014 3:23 PM



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>2014</u>	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
Day Ahead Market MWh	16,034,264	14,409,515	14,633,570	12,101,747	12,984,458	14,719,929	16,528,338	15,536,610	14,312,509	13,684,158	13,945,509	
DAM LSE Internal LBMP Energy Sales	52%	50%	53%	56%	53%	54%	58%	57%	56%	54%	54%	
DAM External TC LBMP Energy Sales	5%	7%	6%	3%	2%	3%	1%	0%	1%	2%	5%	
DAM Bilateral - Internal Bilaterals	36%	36%	35%	33%	38%	36%	34%	35%	36%	38%	36%	
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	5%	6%	5%	5%	4%	5%	4%	4%	3%	
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	1%	1%	2%	2%	1%	1%	1%	1%	2%	2%	
DAM Bilateral - Wheel Through Bilaterals	1%	1%	1%	0%	1%	1%	1%	1%	1%	0%	0%	
Balancing Energy Market MWh	-249,484	-298,340	-116,173	54,298	-510,467	-558,413	-848,037	-756,911	-672,451	-994,214	-746,664	
Balancing Energy LSE Internal LBMP Energy Sales	-232%	-203%	-294%	-190%	-133%	-114%	-116%	-117%	-129%	-124%	-134%	
Balancing Energy External TC LBMP Energy Sales	105%	76%	97%	207%	21%	22%	18%	15%	24%	14%	21%	
Balancing Energy Bilateral - Internal Bilaterals	20%	26%	69%	27%	3%	7%	4%	7%	7%	7%	9%	
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	12%	0%	3%	0%	0%	0%	2%	1%	0%	
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	11%	6%	25%	67%	4%	3%	2%	2%	3%	3%	5%	
Balancing Energy Bilateral - Wheel Through Bilaterals	-4%	-6%	-10%	-12%	1%	-18%	-8%	-7%	-7%	-1%	0%	
Transactions Summary												<u> </u>
LBMP	56%	56%	57%	59%	53%	55%	57%	55%	55%	52%	55%	
Internal Bilaterals	37%	37%	36%	33%	39%	38%	36%	37%	38%	42%	39%	
Import Bilaterals	5%	5%	5%	6%	5%	5%	5%	5%	5%	4%	4%	
Export Bilaterals	2%	1%	2%	2%	2%	1%	1%	2%	2%	2%	2%	
Wheels Through	1%	1%	1%	0%	1%	1%	1%	1%	1%	0%	1%	
Market Share of Total Load												
Day Ahead Market	101.6%	102.1%	100.8%	99.6%	104.1%	103.9%	105.4%	105.1%	104.9%	107.8%	105.7%	
Balancing Energy +	-1.6%	-2.1%	-0.8%	0.4%	-4.1%	-3.9%	-5.4%	-5.1%	-4.9%	-7.8%	-5.7%	
Total MWH	15,784,780	14,111,175	14,517,397	12,156,045	12,473,991	14,161,516	15,680,301	14,779,699	13,640,058	12,689,944	13,198,845	
Average Daily Energy Sendout/Month GWh	475	460	440	390	391	456	496	470	442	394	413	
2013	January	February	March	April	May	June	July.	August	September	October	November	December
2013 Day Ahead Market MWh	<u>January</u>	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u> 17 974 314	August		October	November	December
Day Ahead Market MWh	15,140,096	14,116,189	14,250,091	12,963,905	13,451,310	14,872,971	17,974,314	16,090,437	14,021,472	13,411,499	13,692,854	15,406,816
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales	15,140,096 56%	14,116,189 55%	14,250,091 56%	12,963,905 57%	13,451,310 56%	14,872,971 57%	17,974,314 59%	16,090,437 57%	14,021,472 55%	13,411,499 51%	13,692,854 52%	15,406,816 52%
——————————————————————————————————————	15,140,096 56% 4%	14,116,189 55% 6%	14,250,091 56% 3%	12,963,905 57% 3%	13,451,310 56% 1%	14,872,971 57% 1%	17,974,314 59% 1%	16,090,437 57% 0%	14,021,472 55% 0%	13,411,499 51% 0%	13,692,854 52% 3%	15,406,816 52% 6%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals	15,140,096 56% 4% 38%	14,116,189 55% 6% 37%	14,250,091 56% 3% 38%	12,963,905 57% 3% 37%	13,451,310 56% 1% 37%	14,872,971 57% 1% 36%	17,974,314 59% 1% 33%	16,090,437 57% 0% 36%	14,021,472 55% 0% 38%	13,411,499 51% 0% 41%	13,692,854 52% 3% 40%	15,406,816 52% 6% 36%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals	15,140,096 56% 4% 38% 0%	14,116,189 55% 6% 37% 0%	14,250,091 56% 3% 38% 0%	12,963,905 57% 3% 37% 0%	13,451,310 56% 1% 37% 3%	14,872,971 57% 1% 36% 4%	17,974,314 59% 1% 33% 5%	16,090,437 57% 0% 36% 5%	14,021,472 55% 0% 38% 4%	13,411,499 51% 0% 41% 5%	13,692,854 52% 3% 40% 4%	15,406,816 52% 6% 36% 4%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals	15,140,096 56% 4% 38% 0% 1%	14,116,189 55% 6% 37% 0% 1%	14,250,091 56% 3% 38% 0% 1%	12,963,905 57% 3% 37% 0% 1%	13,451,310 56% 1% 37% 3% 1%	14,872,971 57% 1% 36% 4% 1%	17,974,314 59% 1% 33% 5% 1%	16,090,437 57% 0% 36% 5% 1%	14,021,472 55% 0% 38% 4% 1%	13,411,499 51% 0% 41% 5% 1%	13,692,854 52% 3% 40% 4% 2%	15,406,816 52% 6% 36% 4% 1%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals	15,140,096 56% 4% 38% 0% 1%	14,116,189 55% 6% 37% 0% 1% 1%	14,250,091 56% 3% 38% 0% 1% 1%	12,963,905 57% 3% 37% 0% 1% 1%	13,451,310 56% 1% 37% 3% 1% 1%	14,872,971 57% 1% 36% 4% 1%	17,974,314 59% 1% 33% 5% 1% 1%	16,090,437 57% 0% 36% 5% 1%	14,021,472 55% 0% 38% 4% 1% 1%	13,411,499 51% 0% 41% 5% 1% 1%	13,692,854 52% 3% 40% 4% 2% 1%	15,406,816 52% 6% 36% 4% 1% 1%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh	15,140,096 56% 4% 38% 0% 1% -471,167	14,116,189 55% 6% 37% 0% 1% 1% -648,574	14,250,091 56% 3% 38% 0% 1% 1% -501,253	12,963,905 57% 3% 37% 0% 1% 1% -525,278	13,451,310 56% 1% 37% 3% 1% 1% -501,948	14,872,971 57% 1% 36% 4% 1% 1% -669,315	17,974,314 59% 1% 33% 5% 1% 1% -294,946	16,090,437 57% 0% 36% 5% 1% 1%	14,021,472 55% 0% 38% 4% 1% 1% -759,051	13,411,499 51% 0% 41% 5% 1% 1%	13,692,854 52% 3% 40% 4% 2% 1% -579,298	15,406,816 52% 6% 36% 4% 1% 1% -531,521
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales	15,140,096 56% 4% 38% 0% 1% -471,167 -131%	14,116,189 55% 6% 37% 0% 1% 1% -648,574 -117%	14,250,091 56% 3% 38% 0% 1% 1% -501,253 -127%	12,963,905 57% 3% 37% 0% 1% 1% -525,278 -123%	13,451,310 56% 1% 37% 3% 1% 1% -501,948 -133%	14,872,971 57% 1% 36% 4% 1% 1% -669,315 -115%	17,974,314 59% 1% 33% 5% 1% 1% -294,946 -189%	16,090,437 57% 0% 36% 5% 1% 1% -915,232 -113%	14,021,472 55% 0% 38% 4% 1% 1% -759,051 -120%	13,411,499 51% 0% 41% 5% 1% 1% -694,291 -122%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134%	15,406,816 52% 6% 36% 4% 1% 1% -531,521 -130%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales	15,140,096 56% 4% 38% 0% 1% -471,167 -131% 33%	14,116,189 55% 6% 37% 0% 1% 16 -648,574 -117% 20%	14,250,091 56% 3% 38% 0% 1% 1% -501,253 -127% 23%	12,963,905 57% 3% 37% 0% 1% -525,278 -123% 21%	13,451,310 56% 1% 37% 3% 1% 1% -501,948 -133% 35%	14,872,971 57% 1% 36% 4% 1% -669,315 -115% 16%	17,974,314 59% 1% 33% 5% 1% 1% -294,946 -189% 78%	16,090,437 57% 0% 36% 5% 1% 1% -915,232 -113% 9%	14,021,472 55% 0% 38% 4% 1% -759,051 -120% 11%	13,411,499 51% 0% 41% 5% 1% 169 -694,291 -122% 13%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23%	15,406,816 52% 6% 36% 4% 1% 1% -531,521 -130% 16%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals	15,140,096 56% 4% 38% 0% 1% -471,167 -131% 33% 4%	14,116,189 55% 6% 37% 0% 1% 16 -648,574 -117% 20% 10%	14,250,091 56% 3% 38% 0% 1% 150 -501,253 -127% 23% 11%	12,963,905 57% 3% 37% 0% 1% -525,278 -123% 21% 3%	13,451,310 56% 1% 37% 3% 1% 1% -501,948 -133% 35% 5%	14,872,971 57% 1% 36% 4% 1% -669,315 -115% 16% 4%	17,974,314 59% 1% 33% 5% 1% 1% -294,946 -189% 78% 11%	16,090,437 57% 0% 36% 5% 1% 1% -915,232 -113% 9% 3%	14,021,472 55% 0% 38% 4% 1% -759,051 -120% 11% 6%	13,411,499 51% 0% 41% 5% 1% 1% -694,291 -122% 13% 5%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4%	15,406,816 52% 6% 36% 4% 1% 1% -531,521 -130% 16% 13%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	15,140,096 56% 4% 38% 0% 1% -471,167 -131% 33% 4% 0%	14,116,189 55% 6% 37% 0% 1% -648,574 -117% 20% 10% 0%	14,250,091 56% 3% 38% 0% 1% -501,253 -127% 23% 11% 0%	12,963,905 57% 37% 0% 1% -525,278 -123% 21% 3% 0%	13,451,310 56% 1% 37% 3% 1% -501,948 -133% 35% 5% 0%	14,872,971 57% 1% 36% 4% 1% -669,315 -115% 16% 4% 1%	17,974,314 59% 1% 33% 5% 1% -294,946 -189% 78% 11% 4%	16,090,437 57% 0% 36% 5% 1% -915,232 -113% 9% 3% 0%	14,021,472 55% 0% 38% 4% 1% -759,051 -120% 11% 6% 0%	13,411,499 51% 0% 41% 5% 1% -694,291 -122% 13% 5% 0%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0%	15,406,816 52% 6% 36% 4% 1% -531,521 -130% 16% 13% 0%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	15,140,096 56% 4% 38% 0% 1% -471,167 -131% 33% 4% 0% 5%	14,116,189 55% 6% 37% 0% 1% -648,574 -117% 20% 10% 0% 3%	14,250,091 56% 3% 38% 0% 1% -501,253 -127% 23% 11% 0% 4%	12,963,905 57% 3% 37% 0% 1% -525,278 -123% 21% 3% 0% 5%	13,451,310 56% 1% 37% 3% 1% -501,948 -133% 35% 5% 0% 4%	14,872,971 57% 1% 36% 4% 1% -669,315 -115% 16% 4% 1% 2%	17,974,314 59% 1% 33% 5% 1% -294,946 -189% 78% 11% 4% 3%	16,090,437 57% 0% 36% 5% 1% -915,232 -113% 9% 3% 0% 1%	14,021,472 55% 0% 38% 4% 1% -759,051 -120% 11% 6% 0% 2%	13,411,499 51% 0% 41% 5% 1% -694,291 -122% 13% 0% 0% 3%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0% 7%	15,406,816 52% 6% 36% 4% 1% 1531,521 -130% 16% 13% 0% 5%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals	15,140,096 56% 4% 38% 0% 1% -471,167 -131% 33% 4% 0%	14,116,189 55% 6% 37% 0% 1% -648,574 -117% 20% 10% 0%	14,250,091 56% 3% 38% 0% 1% -501,253 -127% 23% 11% 0%	12,963,905 57% 37% 0% 1% -525,278 -123% 21% 3% 0%	13,451,310 56% 1% 37% 3% 1% -501,948 -133% 35% 5% 0%	14,872,971 57% 1% 36% 4% 1% -669,315 -115% 16% 4% 1%	17,974,314 59% 1% 33% 5% 1% -294,946 -189% 78% 11% 4%	16,090,437 57% 0% 36% 5% 1% -915,232 -113% 9% 3% 0%	14,021,472 55% 0% 38% 4% 1% -759,051 -120% 11% 6% 0%	13,411,499 51% 0% 41% 5% 1% -694,291 -122% 13% 5% 0%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0%	15,406,816 52% 6% 36% 4% 1% -531,521 -130% 16% 13% 0%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary	15,140,096 56% 4% 38% 0% 1% -471,167 -131% 33% 4% 0% 5% -11%	14,116,189 55% 6% 37% 0% 1% 1% -648,574 -117% 20% 10% 0% 3% -16%	14,250,091 56% 3% 38% 0% 1% 1% -501,253 -127% 23% 11% 0% 4% -11%	12,963,905 57% 3% 37% 0% 1% 1% -525,278 -123% 21% 3% 0% 5% -6%	13,451,310 56% 1% 37% 3% 1% 1% -501,948 -133% 35% 5% 0% 4% -11%	14,872,971 57% 1% 36% 4% 1% 169 -669,315 -115% 16% 4% 1% 2% -9%	17,974,314 59% 1% 33% 5% 1% 1% -294,946 -189% 78% 11% 4% 3% -7%	16,090,437 57% 0% 36% 5% 1% -915,232 -113% 9% 3% 0% 1%	14,021,472 55% 0% 38% 4% 1% -759,051 -120% 11% 6% 0% 2% 1%	13,411,499 51% 0% 41% 5% 1% 1% -694,291 -122% 13% 5% 0% 3% 0%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0% 7% 1%	15,406,816 52% 6% 36% 4% 1% 1% -531,521 -130% 16% 13% 0% 5% -4%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP	15,140,096 56% 4% 38% 0% 1% -471,167 -131% 33% 4% 0% 5% -11%	14,116,189 55% 6% 37% 0% 1% 1% -648,574 -117% 20% 10% 0% 3% -16%	14,250,091 56% 3% 38% 0% 1% 1% -501,253 -127% 23% 11% 0% 4% -11%	12,963,905 57% 3% 37% 0% 1% 1% -525,278 -123% 21% 3% 0% 5% -6%	13,451,310 56% 1% 37% 3% 1% 1% -501,948 -133% 35% 6% 0% 4% -11%	14,872,971 57% 1% 36% 4% 1% -669,315 -115% 16% 4% 2% -9%	17,974,314 59% 1% 33% 5% 1% 1% -294,946 -189% 78% 11% 4% 3% -7%	16,090,437 57% 0% 36% 5% 1% 1% -915,232 -113% 9% 0% 0% 0%	14,021,472 55% 0% 38% 4% 1% -759,051 -120% 11% 6% 0% 2% 1%	13,411,499 51% 0% 41% 5% 1% 1% -694,291 -122% 13% 5% 0% 3% 0%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0% 7% 1%	15,406,816 52% 6% 36% 4% 1% 1% -531,521 -130% 16% 13% 0% 5% -4%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals	15,140,096 56% 4% 38% 0% 1% 1% -471,167 -131% 33% 4% 0% 5% -11%	14,116,189 55% 6% 37% 0% 1% 1648,574 -117% 20% 10% 0% 3% -16%	14,250,091 56% 3% 38% 0% 1% 1% -501,253 -127% 23% 11% 0% 4% -11% 58% 40%	12,963,905 57% 3% 37% 0% 1% 1% -525,278 -123% 21% 0% 5% -6%	13,451,310 56% 1% 37% 3% 1% 1% -501,948 -133% 35% 0% 4% -11%	14,872,971 57% 1% 36% 4% 1% 169 -669,315 -115% 16% 4% 1% 2% -9%	17,974,314 59% 1% 33% 5% 1% 1% -294,946 -189% 78% 11% 4% 3% -7%	16,090,437 57% 0% 36% 5% 1% 1% -915,232 -113% 9% 0% 1% 0% 0%	14,021,472 55% 0% 38% 4% 1% 1% -759,051 -120% 11% 6% 0% 2% 1% 53% 41%	13,411,499 51% 0% 41% 5% 1% 1% -694,291 -122% 13% 5% 0% 0% 49% 43%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0% 7% 1%	15,406,816 52% 6% 36% 4% 1% 1% -531,521 -130% 16% 13% 0% 5% -4% 56% 38%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Bilaterals  Import Bilaterals	15,140,096 56% 4% 38% 0% 1% 1% -471,167 -131% 33% 4% 0% 5% -11% 59% 39% 0%	14,116,189 55% 6% 37% 0% 1% 1-648,574 -117% 20% 10% 0% 3% -16%	14,250,091 56% 3% 38% 0% 1% 150,253 -127% 23% 11% 0% 4% -11% 58% 40% 0%	12,963,905 57% 3% 37% 0% 1% 1-525,278 -123% 21% 0% 5% -6% 59% 39% 0%	13,451,310 56% 1% 37% 3% 1% 1% -501,948 -133% 35% 0% 4% -11% 55% 39% 4%	14,872,971 57% 1% 36% 4% 1% 169,315 -115% 16% 4% 2% -9% 56% 38% 4%	17,974,314 59% 1% 33% 5% 1% 1% -294,946 -189% 78% 11% 4% 3% -7% 59% 34% 5%	16,090,437 57% 0% 36% 5% 1% 19 -915,232 -113% 9% 0% 0% 0% 54% 39% 55%	14,021,472 55% 0% 38% 4% 1% 1759,051 -120% 11% 6% 0% 2% 1% 53% 41% 4%	13,411,499 51% 0% 41% 5% 1% 1% -694,291 -122% 13% 5% 0% 3% 0% 49% 43% 6%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0% 7% 1% 41% 44%	15,406,816 52% 6% 36% 4% 1% 1% -531,521 -130% 16% 0% 5% -4% 56% 38% 4%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Export Bilaterals  Import Bilaterals  Export Bilaterals	15,140,096 56% 4% 38% 0% 1% 1% -471,167 -131% 33% 4% 0% 5% -11%	14,116,189 55% 6% 37% 0% 1% 1648,574 -117% 20% 10% 0% -16% 59% 39% 0% 1%	14,250,091 56% 3% 38% 0% 1% 150,253 -127% 23% 111% 0% 4% -11% 58% 40% 0% 2%	12,963,905 57% 3% 37% 0% 1% -525,278 -123% 21% 3% 0% -6% 59% 39% 0% 2%	13,451,310 56% 1% 37% 3% 1% 1% -501,948 -133% 35% 5% 0% 4% -11% 55% 39% 4% 2%	14,872,971 57% 1% 36% 4% 1% -669,315 -115% 16% 4% 2% -9% 56% 38% 4% 1%	17,974,314 59% 1% 33% 5% 1% 1% -294,946 -189% 78% 11% 4% 3% -7% 59% 34% 5% 1%	16,090,437 57% 0% 36% 5% 1% 1% -915,232 -113% 9% 3% 0% 0% 54% 39% 55% 1%	14,021,472 55% 0% 38% 4% 1% 1% -759,051 -120% 11% 6% 0% 2% 1% 41% 4% 2%	13,411,499 51% 0% 41% 5% 1% 1% -694,291 -122% 13% 5% 0% 0% 49% 43% 6% 2%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0% 7% 1% 41% 44% 44% 22%	15,406,816 52% 6% 36% 4% 1% 1% -531,521 -130% 16% 0% 5% -4% 56% 38% 4% 2%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through	15,140,096 56% 4% 38% 0% 1% 1% -471,167 -131% 33% 4% 0% 5% -11% 59% 39% 0%	14,116,189 55% 6% 37% 0% 1% 1-648,574 -117% 20% 10% 0% 3% -16%	14,250,091 56% 3% 38% 0% 1% 150,253 -127% 23% 11% 0% 4% -11% 58% 40% 0%	12,963,905 57% 3% 37% 0% 1% 1-525,278 -123% 21% 0% 5% -6% 59% 39% 0%	13,451,310 56% 1% 37% 3% 1% 1% -501,948 -133% 35% 0% 4% -11% 55% 39% 4%	14,872,971 57% 1% 36% 4% 1% 169,315 -115% 16% 4% 2% -9% 56% 38% 4%	17,974,314 59% 1% 33% 5% 1% 1% -294,946 -189% 78% 11% 4% 3% -7% 59% 34% 5%	16,090,437 57% 0% 36% 5% 1% 19 -915,232 -113% 9% 0% 0% 0% 54% 39% 55%	14,021,472 55% 0% 38% 4% 1% 1759,051 -120% 11% 6% 0% 2% 1% 53% 41% 4%	13,411,499 51% 0% 41% 5% 1% 1% -694,291 -122% 13% 5% 0% 3% 0% 49% 43% 6%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0% 7% 1% 41% 44%	15,406,816 52% 6% 36% 4% 1% 1% -531,521 -130% 16% 0% 5% -4% 56% 38% 4%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  BAIAncing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through  Market Share of Total Load	15,140,096 56% 4% 38% 0% 1% 1% -471,167 -131% 33% 4% 0% 5% -11% 59% 39% 0% 1% 1%	14,116,189 55% 6% 37% 0% 1% -648,574 -117% 20% 10% 0% -16% 59% 39% 0% 1% 0%	14,250,091 56% 3% 38% 0% 1% -501,253 -127% 23% 11% 0% 4% -11% 58% 40% 0% 2% 1%	12,963,905 57% 3% 37% 0% 1% -525,278 -123% 21% 3% 0% -6% 59% 39% 0% 2% 1%	13,451,310 56% 1% 37% 3% 1% -501,948 -133% 35% 5% 0% 4% -11% 55% 39% 4% 2% 0%	14,872,971 57% 1% 36% 4% 1% -669,315 -115% 16% 4% 2% -9% 56% 38% 4% 1% 1%	17,974,314 59% 1% 33% 5% 1% -294,946 -189% 78% 11% 4% 3% -7% 59% 34% 5% 1% 1%	16,090,437 57% 0% 36% 5% 1% -915,232 -113% 9% 3% 0% 1% 0% 54% 39% 54% 39% 1%	14,021,472 55% 0% 38% 4% 1% -759,051 -120% 11% 6% 0% 2% 1% 41% 44% 2% 1%	13,411,499 51% 0% 41% 5% 1% -694,291 -122% 13% 5% 0% 3% 0% 49% 43% 6% 2% 1%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0% 7% 1% 41% 44% 22% 1%	15,406,816 52% 6% 36% 4% 1% 1% -531,521 -130% 16% 0% 5% -4% 56% 38% 4% 2% 1%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market	15,140,096 56% 4% 38% 0% 1% -471,167 -131% 33% 4% 0% 5% -11% 59% 39% 0% 1% 1%	14,116,189 55% 6% 37% 0% 1% -648,574 -117% 20% 10% 0% -3% -16% 59% 39% 0% 1% 0%	14,250,091 56% 3% 38% 0% 1% -501,253 -127% 23% 11% 0% 4% -11% 58% 40% 0% 2% 1%	12,963,905 57% 3% 37% 0% 1% -525,278 -123% 21% 3% 0% 5% -6% 59% 39% 0% 21% 104.2%	13,451,310 56% 1% 37% 3% 1% -501,948 -133% 35% 5% 0% 4% -11% 55% 39% 4% 2% 0%	14,872,971 57% 1% 36% 4% 1% -669,315 -115% 16% 4% 1% -9% 56% 38% 4% 1% 104.7%	17,974,314 59% 1% 33% 5% 1% -294,946 -189% 78% 11% 4% 3% -7% 59% 34% 5% 1% 1% 101.7%	16,090,437 57% 0% 36% 5% 1% -915,232 -113% 9% 0% 1% 0% 54% 39% 54% 39% 1% 106.0%	14,021,472 55% 0% 38% 4% 1% -759,051 -120% 11% 6% 0% 2% 1% 41% 4% 2% 1% 105.7%	13,411,499 51% 0% 41% 5% 1% 1% -694,291 -122% 0% 3% 0% 49% 43% 6% 2% 1%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0% 7% 11% 52% 41% 4% 2% 1%	15,406,816 52% 6% 36% 4% 1% 1% -531,521 -130% 16% 13% 0% 5% -4% 56% 38% 4% 2% 1% 103.6%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market  Balancing Energy +	15,140,096 56% 4% 38% 0% 1% -471,167 -131% 33% 4% 0% 5% -11% 59% 39% 0% 1% 1% 103.2% -3.2%	14,116,189 55% 6% 37% 0% 1% -648,574 -117% 20% 10% 0% 3% -16% 59% 39% 0% 1% 0% 10% 4.8%	14,250,091 56% 3% 38% 0% 1% -501,253 -127% 23% 11% 0% 4% -11% 58% 40% 0% 2% 1% 103.6% -3.6%	12,963,905 57% 3% 37% 0% 1% -525,278 -123% 21% 3% 0% 5% -6% 59% 39% 0% 2% 104.2% -4.2%	13,451,310 56% 1% 37% 3% 1% -501,948 -133% 35% 5% 0% 4% -11% 55% 39% 4% 0% 103.9% -3.9%	14,872,971 57% 1% 36% 4% 1% -669,315 -115% 16% 4% 1% 2% -9% 56% 38% 4% 1% 1% 104.7% -4.7%	17,974,314 59% 1% 33% 5% 1% 1% -294,946 -189% 78% 11% 4% 3% -7% 59% 34% 5% 1% 101.7% -1.7%	16,090,437 57% 0% 36% 5% 1% -915,232 -113% 9% 0% 1% 0% 54% 39% 5% 1% 106.0% -6.0%	14,021,472 55% 0% 38% 4% 1% -759,051 -120% 11% 6% 0% 2% 1% 53% 41% 4% 2% 1%	13,411,499 51% 0% 41% 5% 1% -694,291 -122% 13% 0% 3% 0% 49% 43% 6% 2% 1% 105.5% -5.5%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0% 7% 11% 52% 41% 44% 2% 1%	15,406,816 52% 6% 36% 4% 1% 1% -531,521 -130% 16% 13% 0% 5% -4% 56% 38% 4% 2% 1% 103.6% -3.6%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market	15,140,096 56% 4% 38% 0% 1% -471,167 -131% 33% 4% 0% 5% -11% 59% 39% 0% 1% 1%	14,116,189 55% 6% 37% 0% 1% -648,574 -117% 20% 10% 0% 3% -16% 59% 39% 0% 1% 0% 10% 4.8%	14,250,091 56% 3% 38% 0% 1% -501,253 -127% 23% 11% 0% 4% -11% 58% 40% 0% 2% 1%	12,963,905 57% 3% 37% 0% 1% -525,278 -123% 21% 3% 0% 5% -6% 59% 39% 0% 21% 104.2%	13,451,310 56% 1% 37% 3% 1% -501,948 -133% 35% 5% 0% 4% -11% 55% 39% 4% 2% 0%	14,872,971 57% 1% 36% 4% 1% -669,315 -115% 16% 4% 1% -9% 56% 38% 4% 1% 104.7%	17,974,314 59% 1% 33% 5% 1% -294,946 -189% 78% 11% 4% 3% -7% 59% 34% 5% 1% 1% 101.7%	16,090,437 57% 0% 36% 5% 1% -915,232 -113% 9% 0% 1% 0% 54% 39% 54% 39% 1% 106.0%	14,021,472 55% 0% 38% 4% 1% -759,051 -120% 11% 6% 0% 2% 1% 41% 4% 2% 1% 105.7%	13,411,499 51% 0% 41% 5% 1% 1% -694,291 -122% 0% 3% 0% 49% 43% 6% 2% 1%	13,692,854 52% 3% 40% 4% 2% 1% -579,298 -134% 23% 4% 0% 7% 11% 52% 41% 4% 2% 1%	15,406,816 52% 6% 36% 4% 1% -531,521 -130% 16% 13% 0% 5% -4% 56% 38% 4% 2% 1% 103.6%

<sup>+</sup> 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.

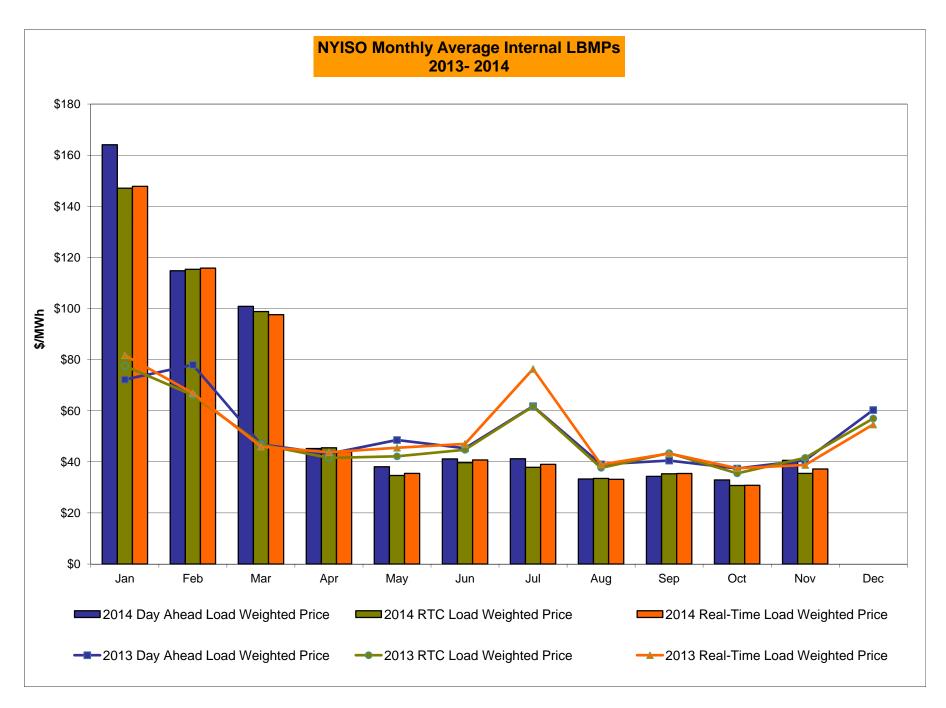
<sup>\*</sup> The signs for the detail section intuitively reflect the direction of power flow eliminating the use of double negatives when Balancing Energy is negative.

#### **NYISO Markets 2014 Energy Statistics**

DAY AHEAD LBMP	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
Price *	\$155.11	\$110.69	\$97.07	\$44.16	\$36.61	\$39.17	\$38.82	\$31.78	\$32.49	\$31.65	\$39.19	
Standard Deviation	\$121.52	\$50.86	\$59.89	\$8.90	\$10.99	\$12.29	\$15.56	\$9.90	\$11.59	\$9.77	\$13.38	
Load Weighted Price **	\$164.06	\$114.77	\$100.81	\$45.19	\$38.05	\$41.14	\$41.18	\$33.28	\$34.31	\$32.89	\$40.57	
RTC LBMP												
Price *	\$138.41	\$110.71	\$94.71	\$44.00	\$33.16	\$37.34	\$35.32	\$31.74	\$32.89	\$29.23	\$34.27	
Standard Deviation	\$125.42	\$72.22	\$97.72	\$27.44	\$17.51	\$25.39	\$24.90	\$23.34	\$33.68	\$20.45	\$14.23	
Load Weighted Price **	\$147.06	\$115.31	\$98.80	\$45.48	\$34.63	\$39.64	\$37.85	\$33.48	\$35.31	\$30.74	\$35.46	
REAL TIME LBMP												
Price *	\$137.90	\$111.51	\$93.37	\$42.79	\$34.06	\$38.23	\$35.97	\$31.21	\$32.50	\$29.36	\$36.01	
Standard Deviation	\$122.32	\$70.35	\$89.05	\$19.38	\$17.15	\$23.33	\$27.27	\$18.18	\$33.51	\$21.14	\$17.99	
Load Weighted Price **	\$147.77	\$115.80	\$97.58	\$43.97	\$35.46	\$40.71	\$39.00	\$33.13	\$35.42	\$30.81	\$37.17	
Average Daily Energy Sendout/Month GWh	475	460	440	390	391	456	496	470	442	394	413	
				NYISO	Markets	2013 Ene	rgy Stati	stics_				
	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	<u>September</u>	October	November	December
DAY AHEAD LBMP	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>		September	<u>October</u>	November	<u>December</u>
DAY AHEAD LBMP Price *	<u>January</u> \$69.17	February \$75.82	<u>March</u> \$45.97	<u>April</u> \$42.21	<u>May</u> \$45.87	\$42.66	<u>July</u> \$56.90	<u>August</u> \$37.19	September \$38.32	October \$36.15	\$39.18	\$57.72
	\$69.17 \$47.21	\$75.82 \$29.98	\$45.97 \$9.40	\$42.21 \$7.84	\$45.87 \$18.77	\$42.66 \$17.98	\$56.90 \$37.12	\$37.19 \$11.85		\$36.15 \$9.15	\$39.18 \$13.56	\$57.72 \$28.61
Price *	\$69.17	\$75.82	\$45.97	\$42.21	\$45.87	\$42.66	\$56.90	\$37.19	\$38.32	\$36.15	\$39.18	\$57.72
Price * Standard Deviation	\$69.17 \$47.21	\$75.82 \$29.98	\$45.97 \$9.40	\$42.21 \$7.84	\$45.87 \$18.77	\$42.66 \$17.98	\$56.90 \$37.12	\$37.19 \$11.85	\$38.32 \$15.21	\$36.15 \$9.15	\$39.18 \$13.56	\$57.72 \$28.61
Price * Standard Deviation Load Weighted Price **	\$69.17 \$47.21	\$75.82 \$29.98	\$45.97 \$9.40	\$42.21 \$7.84	\$45.87 \$18.77	\$42.66 \$17.98	\$56.90 \$37.12 \$61.77	\$37.19 \$11.85	\$38.32 \$15.21	\$36.15 \$9.15	\$39.18 \$13.56	\$57.72 \$28.61
Price * Standard Deviation Load Weighted Price **  RTC LBMP	\$69.17 \$47.21 \$72.17	\$75.82 \$29.98 \$77.95	\$45.97 \$9.40 \$46.85	\$42.21 \$7.84 \$43.13	\$45.87 \$18.77 \$48.52 \$39.51 \$24.44	\$42.66 \$17.98 \$45.32	\$56.90 \$37.12 \$61.77 \$55.41 \$58.54	\$37.19 \$11.85 \$39.00	\$38.32 \$15.21 \$40.47	\$36.15 \$9.15 \$37.37	\$39.18 \$13.56 \$40.58	\$57.72 \$28.61 \$60.27 \$54.53 \$41.66
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price *	\$69.17 \$47.21 \$72.17	\$75.82 \$29.98 \$77.95	\$45.97 \$9.40 \$46.85	\$42.21 \$7.84 \$43.13	\$45.87 \$18.77 \$48.52	\$42.66 \$17.98 \$45.32	\$56.90 \$37.12 \$61.77	\$37.19 \$11.85 \$39.00 \$35.90	\$38.32 \$15.21 \$40.47 \$39.06	\$36.15 \$9.15 \$37.37	\$39.18 \$13.56 \$40.58 \$39.57	\$57.72 \$28.61 \$60.27
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation Load Weighted Price **  REAL TIME LBMP	\$69.17 \$47.21 \$72.17 \$73.69 \$88.27	\$75.82 \$29.98 \$77.95 \$64.15 \$36.96	\$45.97 \$9.40 \$46.85 \$45.75 \$22.62	\$42.21 \$7.84 \$43.13 \$40.50 \$14.79	\$45.87 \$18.77 \$48.52 \$39.51 \$24.44	\$42.66 \$17.98 \$45.32 \$42.00 \$30.96	\$56.90 \$37.12 \$61.77 \$55.41 \$58.54	\$37.19 \$11.85 \$39.00 \$35.90 \$18.35	\$38.32 \$15.21 \$40.47 \$39.06 \$60.70	\$36.15 \$9.15 \$37.37 \$34.08 \$17.38	\$39.18 \$13.56 \$40.58 \$39.57 \$30.77	\$57.72 \$28.61 \$60.27 \$54.53 \$41.66
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation Load Weighted Price **	\$69.17 \$47.21 \$72.17 \$73.69 \$88.27 \$77.52	\$75.82 \$29.98 \$77.95 \$64.15 \$36.96 \$66.07	\$45.97 \$9.40 \$46.85 \$45.75 \$22.62 \$46.79	\$42.21 \$7.84 \$43.13 \$40.50 \$14.79 \$41.52	\$45.87 \$18.77 \$48.52 \$39.51 \$24.44 \$42.14	\$42.66 \$17.98 \$45.32 \$42.00 \$30.96 \$44.70	\$56.90 \$37.12 \$61.77 \$55.41 \$58.54 \$61.64	\$37.19 \$11.85 \$39.00 \$35.90 \$18.35 \$37.65	\$38.32 \$15.21 \$40.47 \$39.06 \$60.70 \$43.41	\$36.15 \$9.15 \$37.37 \$34.08 \$17.38 \$35.49	\$39.18 \$13.56 \$40.58 \$39.57 \$30.77 \$41.56	\$57.72 \$28.61 \$60.27 \$54.53 \$41.66 \$56.95
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation Load Weighted Price **  REAL TIME LBMP	\$69.17 \$47.21 \$72.17 \$73.69 \$88.27 \$77.52	\$75.82 \$29.98 \$77.95 \$64.15 \$36.96 \$66.07	\$45.97 \$9.40 \$46.85 \$45.75 \$22.62 \$46.79	\$42.21 \$7.84 \$43.13 \$40.50 \$14.79 \$41.52	\$45.87 \$18.77 \$48.52 \$39.51 \$24.44 \$42.14	\$42.66 \$17.98 \$45.32 \$42.00 \$30.96 \$44.70	\$56.90 \$37.12 \$61.77 \$55.41 \$58.54 \$61.64 \$65.57 \$89.92	\$37.19 \$11.85 \$39.00 \$35.90 \$18.35 \$37.65	\$38.32 \$15.21 \$40.47 \$39.06 \$60.70 \$43.41	\$36.15 \$9.15 \$37.37 \$34.08 \$17.38 \$35.49	\$39.18 \$13.56 \$40.58 \$39.57 \$30.77 \$41.56	\$57.72 \$28.61 \$60.27 \$54.53 \$41.66 \$56.95
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation Load Weighted Price **  REAL TIME LBMP Price *	\$69.17 \$47.21 \$72.17 \$73.69 \$88.27 \$77.52	\$75.82 \$29.98 \$77.95 \$64.15 \$36.96 \$66.07	\$45.97 \$9.40 \$46.85 \$45.75 \$22.62 \$46.79	\$42.21 \$7.84 \$43.13 \$40.50 \$14.79 \$41.52	\$45.87 \$18.77 \$48.52 \$39.51 \$24.44 \$42.14	\$42.66 \$17.98 \$45.32 \$42.00 \$30.96 \$44.70	\$56.90 \$37.12 \$61.77 \$55.41 \$58.54 \$61.64	\$37.19 \$11.85 \$39.00 \$35.90 \$18.35 \$37.65	\$38.32 \$15.21 \$40.47 \$39.06 \$60.70 \$43.41	\$36.15 \$9.15 \$37.37 \$34.08 \$17.38 \$35.49	\$39.18 \$13.56 \$40.58 \$39.57 \$30.77 \$41.56	\$57.72 \$28.61 \$60.27 \$54.53 \$41.66 \$56.95

<sup>\*</sup> Average zonal load weighted prices.

<sup>\*\*</sup> Average zonal load weighted prices, load weighted in each hour.

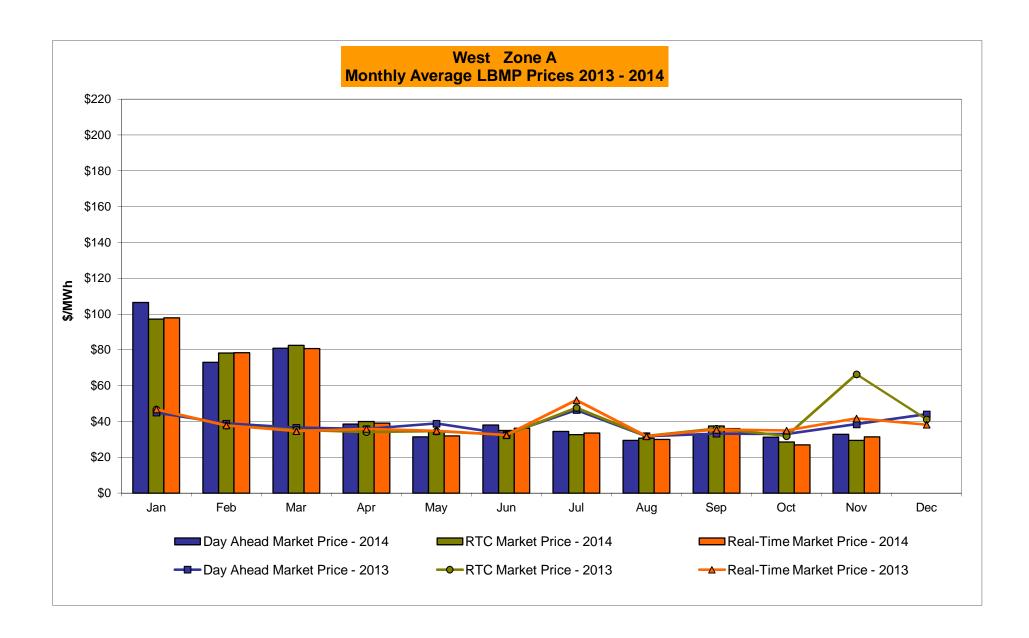


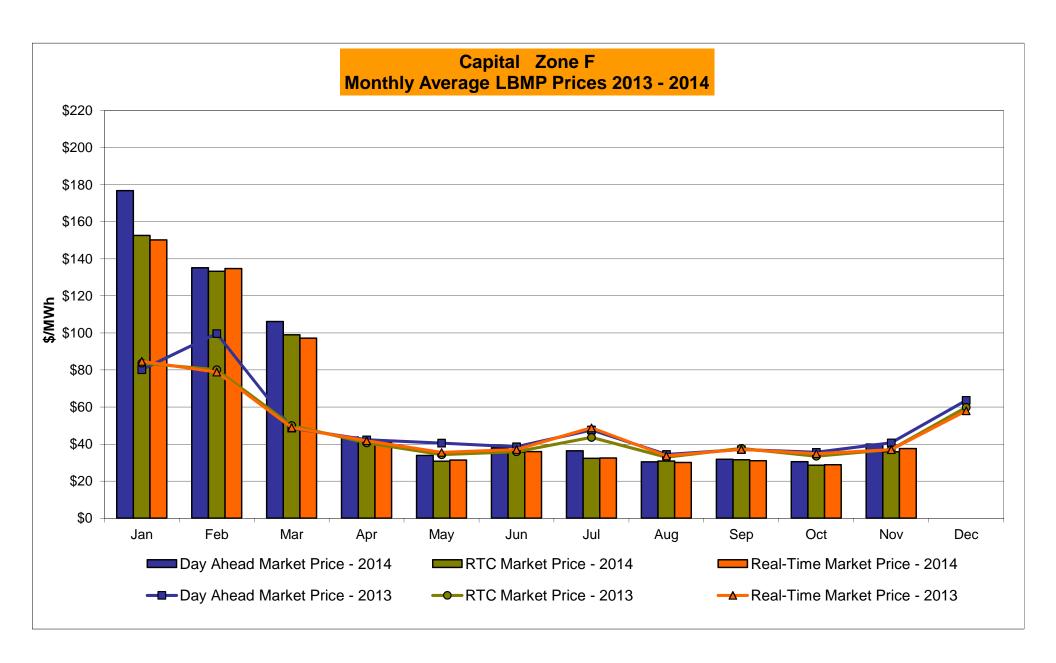
#### November 2014 Zonal LBMP Statistics for NYISO (\$/MWh)

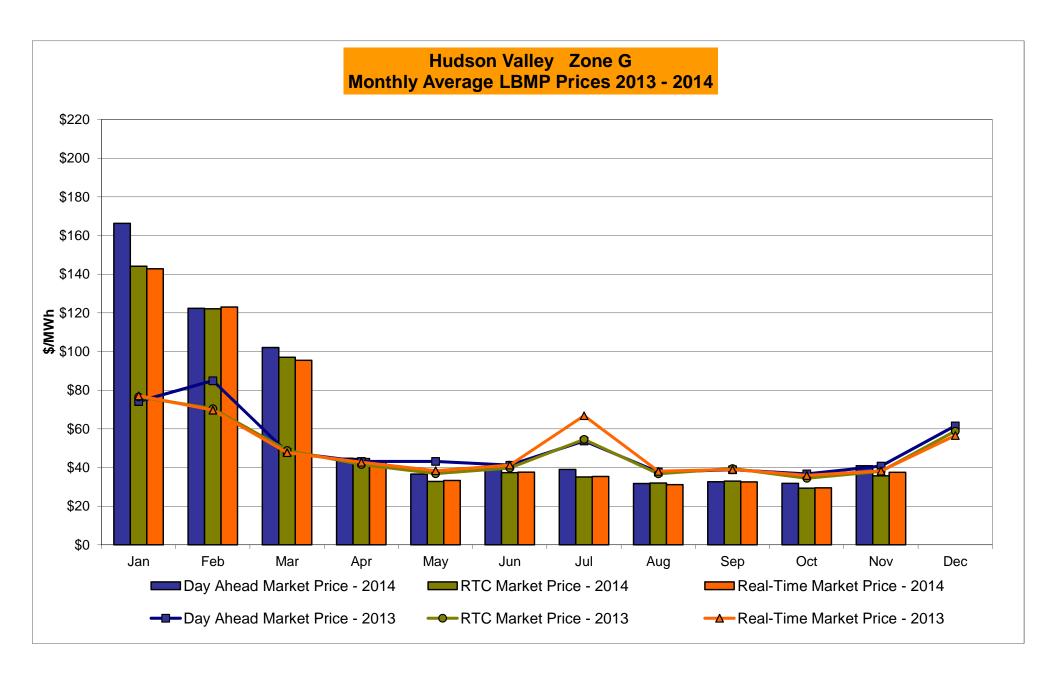
	WEST Zone A	GENESEE  Zone B	NORTH Zone D	CENTRAL  Zone C	MOHAWK VALLEY <u>Zone E</u>	CAPITAL Zone F	HUDSON VALLEY <u>Zone G</u>	MILLWOOD Zone H	DUNWOODIE  Zone I	NEW YORK CITY Zone J	LONG ISLAND <u>Zone K</u>
DAY AHEAD LBMP											
Unweighted Price *	32.85	32.50	31.28	34.20	34.70	40.02	40.90	41.17	41.13	41.31	47.15
Standard Deviation	11.57	11.56	12.15	12.26	12.72	12.35	14.25	14.53	14.55	14.59	16.41
RTC LBMP											
Unweighted Price *	29.37	29.35	26.78	30.34	30.93	35.85	35.69	35.84	35.76	35.99	39.84
Standard Deviation	16.64	13.85	15.50	13.91	14.31	13.85	13.93	14.00	13.97	14.11	27.41
REAL TIME LBMP											
Unweighted Price *	31.44	31.16	28.89	32.13	32.78	37.63	37.49	37.64	37.57	37.84	41.30
Standard Deviation	20.01	17.61	18.91	17.98	18.37	18.79	18.37	18.44	18.39	18.68	23.96
	ONTARIO IESO	HYDRO QUEBEC (Wheel)	HYDRO QUEBEC (Import/Export)	PJM	NEW ENGLAND	CROSS SOUND CABLE	NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
	-	QUEBEC	QUEBEC	РЈМ		SOUND CABLE	NORWALK	_			
	-	QUEBEC	QUEBEC	PJM Zone P	ENGLAND	SOUND CABLE Controllable		NEPTUNE Controllable Line	LINDEN VFT Controllable Line	HUDSON Controllable Line	Controllable
DAY AHEAD LBMP	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)			SOUND CABLE	NORWALK Controllable	Controllable	Controllable	<u>Controllable</u>	
<u>DAY AHEAD LBMP</u> Unweighted Price *	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	Controllable	<u>Controllable</u>	Controllable Line
	IESO Zone O	QUEBEC (Wheel) Zone M	QUEBEC (Import/Export)	Zone P	ENGLAND  Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable
Unweighted Price *	Zone O 30.42	QUEBEC (Wheel)  Zone M  31.57	QUEBEC (Import/Export)  Zone M  31.47	<b>Zone P</b> 37.54	ENGLAND  Zone N  48.84	SOUND CABLE Controllable Line 46.80	NORWALK Controllable Line 46.49	Controllable Line 44.61	Controllable Line 41.05	Controllable Line 41.28	Controllable Line 30.04
Unweighted Price * Standard Deviation	Zone O 30.42	QUEBEC (Wheel)  Zone M  31.57	QUEBEC (Import/Export)  Zone M  31.47	<b>Zone P</b> 37.54	ENGLAND  Zone N  48.84	SOUND CABLE Controllable Line 46.80 15.83	NORWALK Controllable Line 46.49	Controllable Line 44.61	Controllable Line 41.05	Controllable Line 41.28	Controllable Line 30.04
Unweighted Price * Standard Deviation  RTC LBMP	Zone O 30.42 10.81	QUEBEC (Wheel) <u>Zone M</u> 31.57 12.37	QUEBEC (Import/Export) Zone M 31.47 12.39	<b>Zone P</b> 37.54 12.97	<b>Zone N</b> 48.84 14.77	SOUND CABLE Controllable Line 46.80 15.83	NORWALK Controllable Line 46.49 14.94	Controllable Line 44.61 15.03	Controllable Line 41.05 14.37	Controllable Line 41.28 14.61	Controllable Line 30.04 11.79
Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price * Standard Deviation  REAL TIME LBMP	30.42 10.81 28.59 14.05	QUEBEC (Wheel) Zone M 31.57 12.37 27.47 15.68	QUEBEC (Import/Export)  Zone M  31.47 12.39  27.47 15.68	Zone P 37.54 12.97 33.18 14.25	ENGLAND  Zone N  48.84 14.77  35.89 14.09	SOUND CABLE Controllable Line 46.80 15.83 38.92 27.18	NORWALK Controllable Line 46.49 14.94 38.54 26.97	Controllable Line 44.61 15.03 36.91 22.28	41.05 14.37 35.85 14.31	41.28 14.61 36.06 14.47	30.04 11.79 26.53 15.84
Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price * Standard Deviation	Zone O 30.42 10.81 28.59	QUEBEC (Wheel) Zone M 31.57 12.37 27.47	QUEBEC (Import/Export)  Zone M  31.47 12.39	Zone P 37.54 12.97	ENGLAND  Zone N  48.84 14.77	SOUND CABLE Controllable Line 46.80 15.83	NORWALK Controllable Line 46.49 14.94	244.61 15.03	41.05 14.37	41.28 14.61 36.06	30.04 11.79 26.53

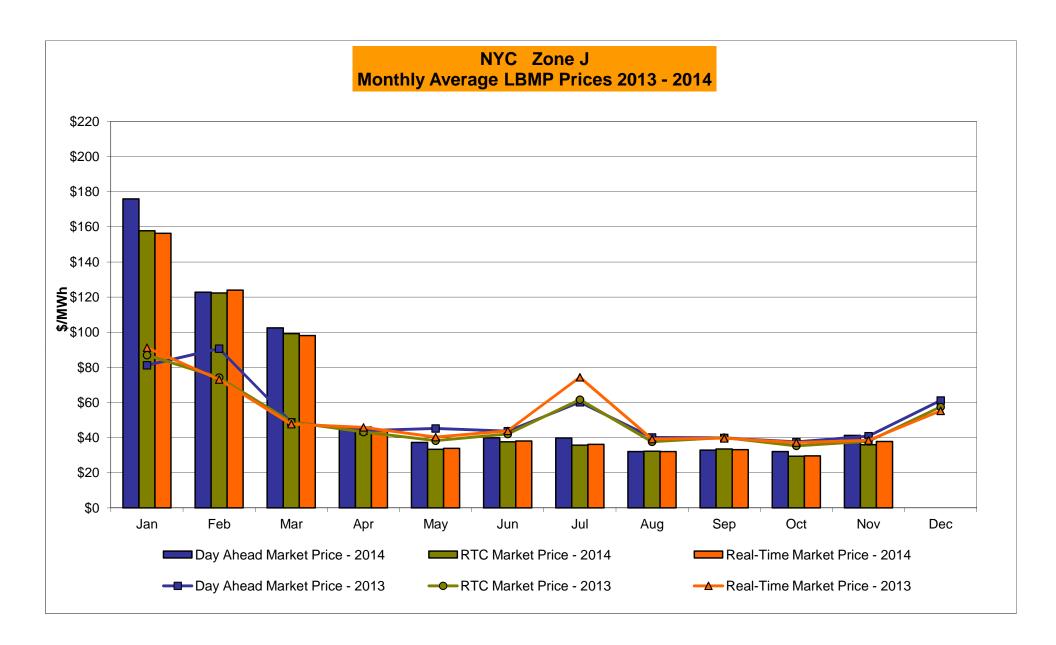
Market Mitigation and Analysis Prepared: 12/8/2014 11:15 AM

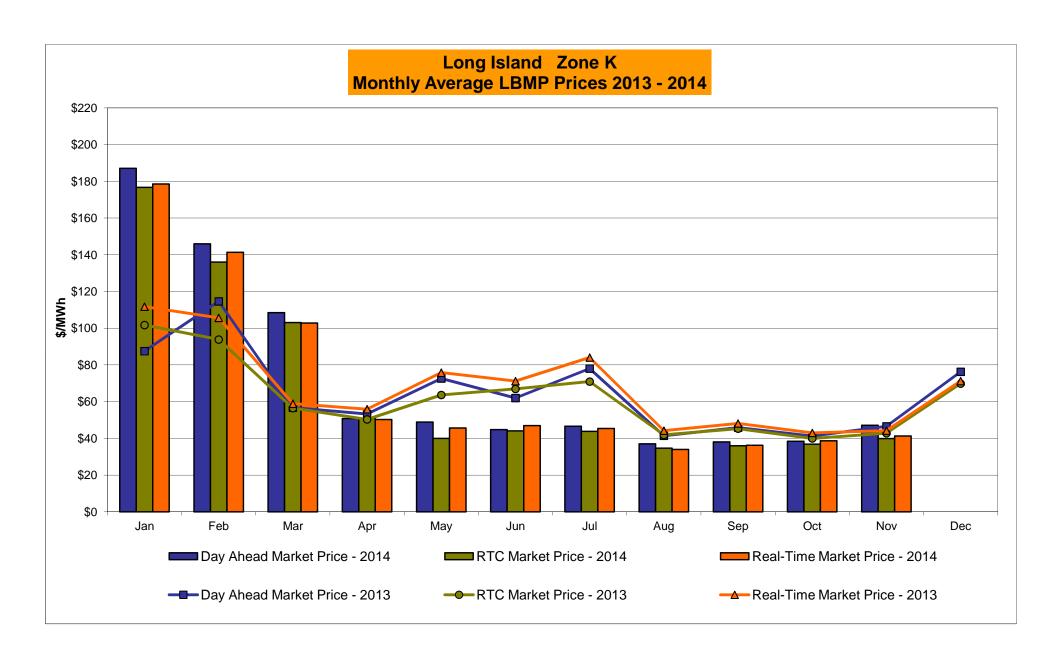
<sup>\*</sup> Straight LBMP averages

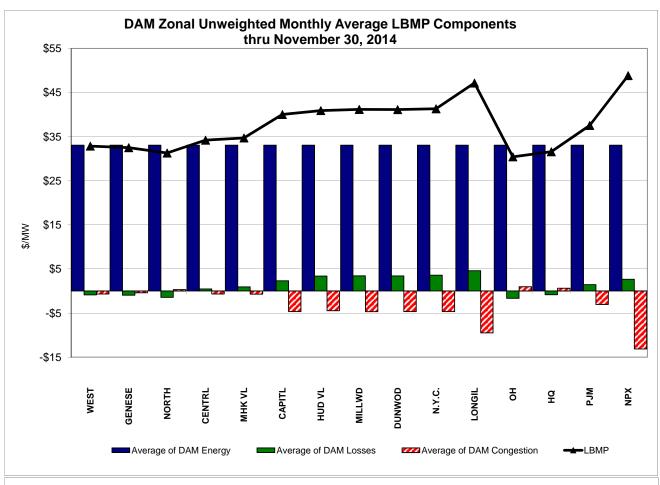


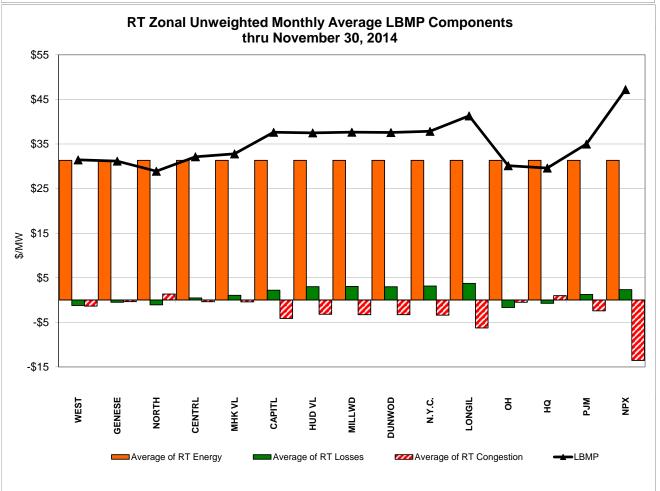




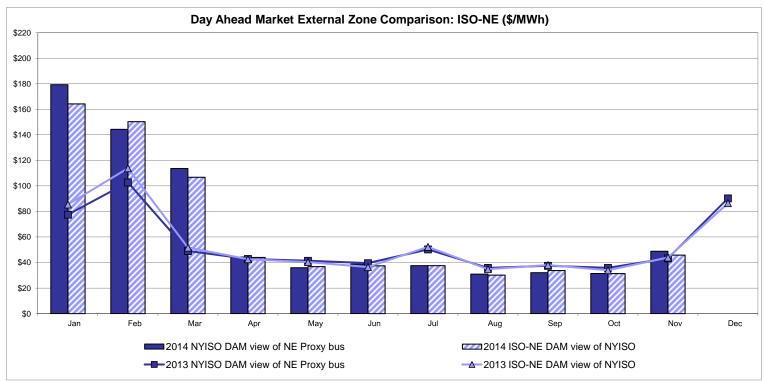


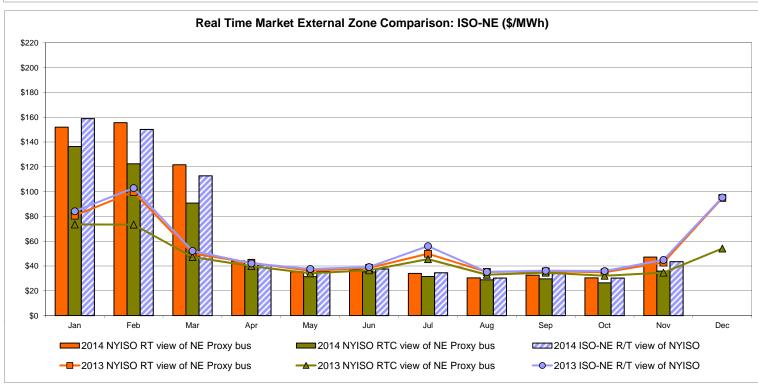




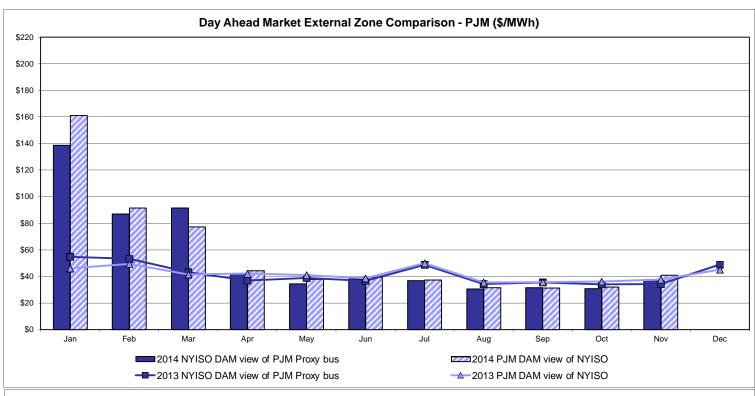


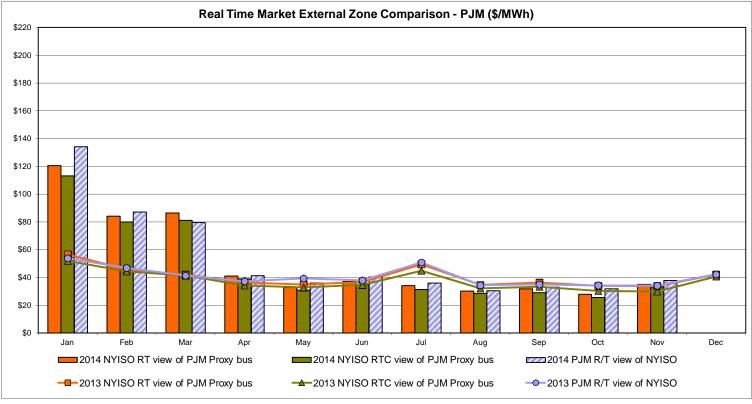
## **External Comparison ISO-New England**



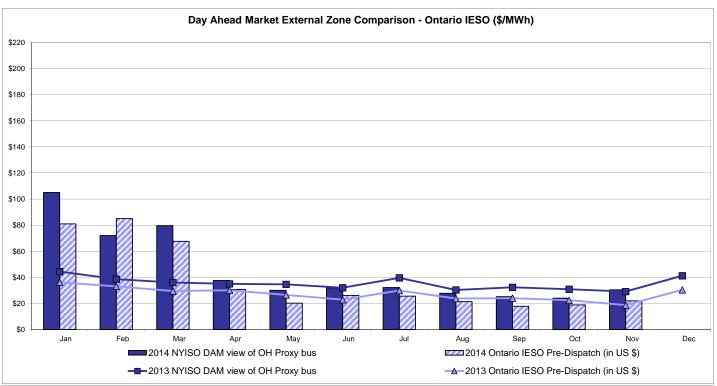


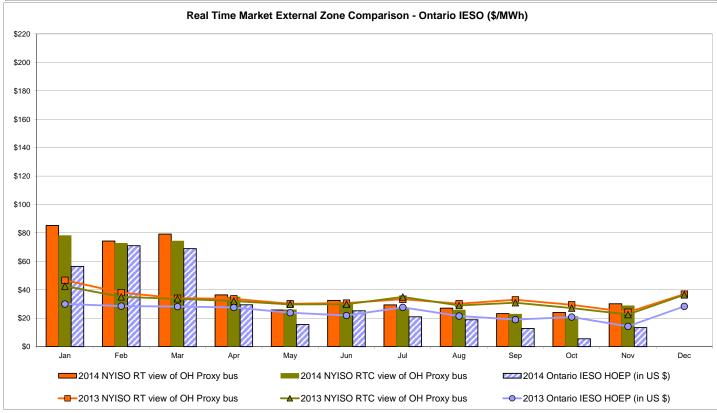
#### **External Comparison PJM**





#### **External Comparison Ontario IESO**

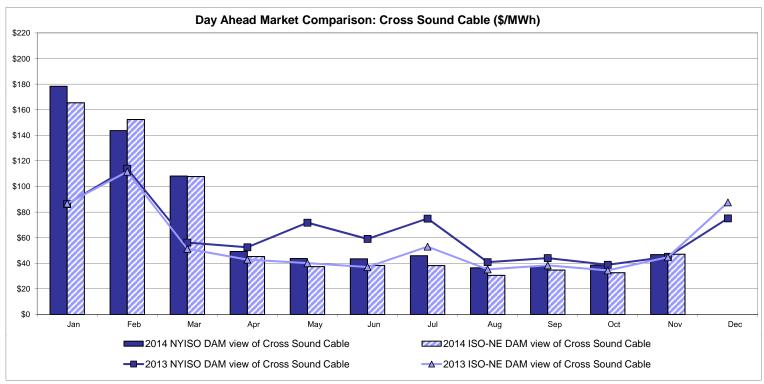


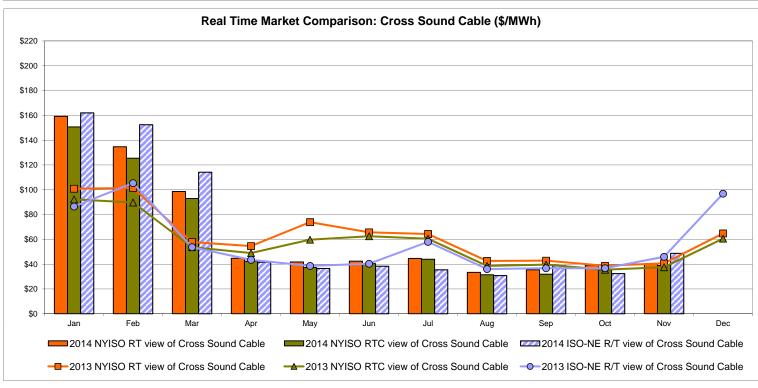


Notes: Exchange factor used for November 2014 was 0.883 to US

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

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





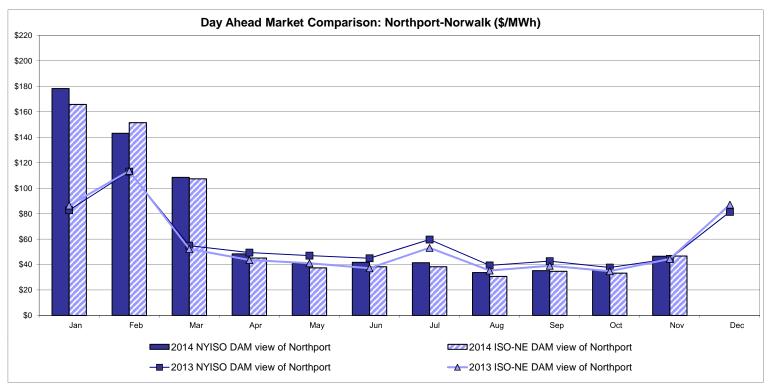
#### Note:

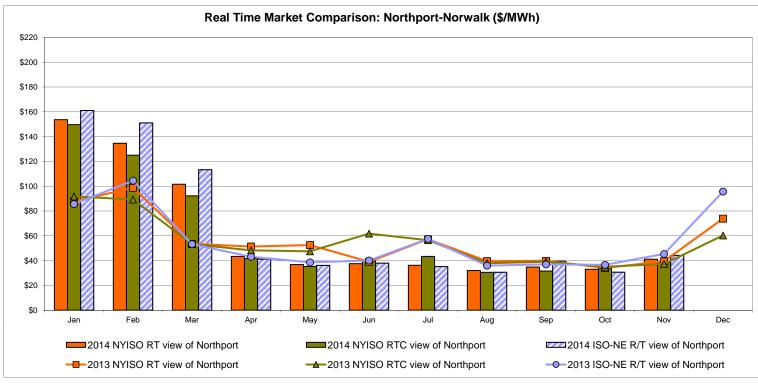
ISO-NE Forecast is an advisory posting @ 18:00 day before.

The DAM and R/T prices at the Shorham 13899 interface are used for ISO-NE.

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

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





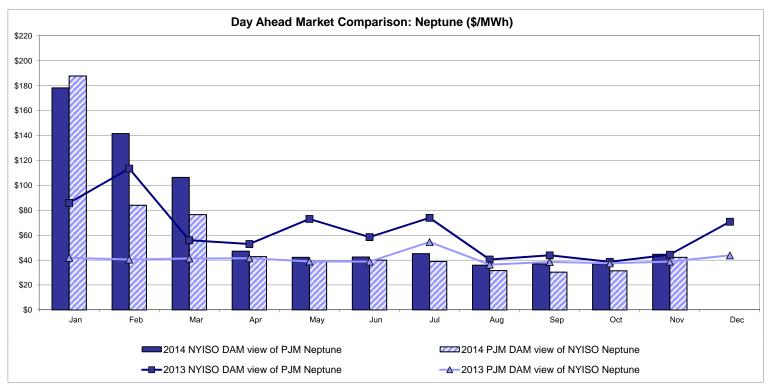
#### Note:

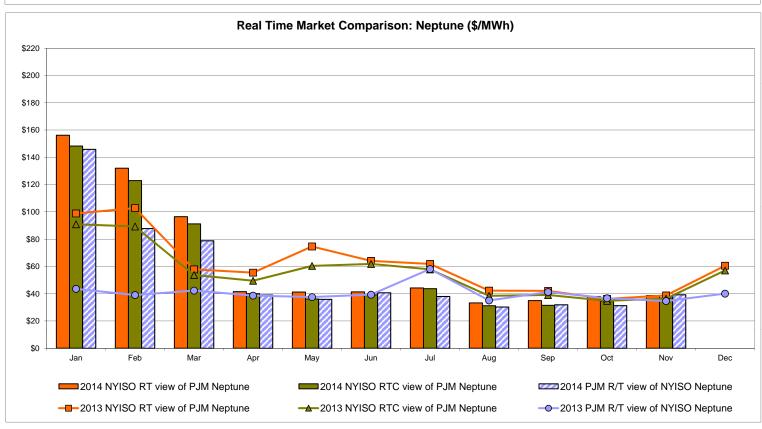
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

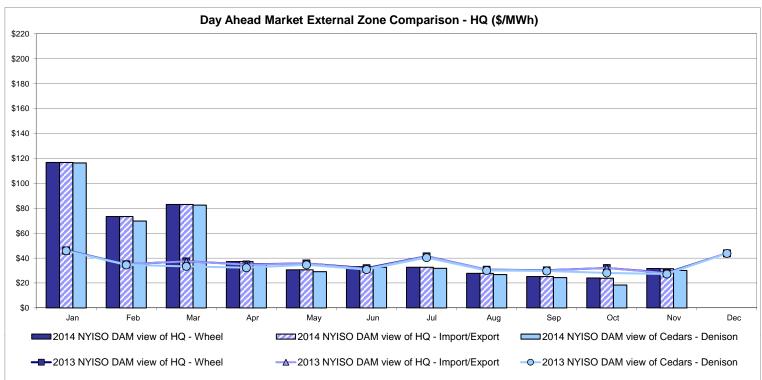
The DAM and R/T prices at the 1385 interface are used for NYISO.

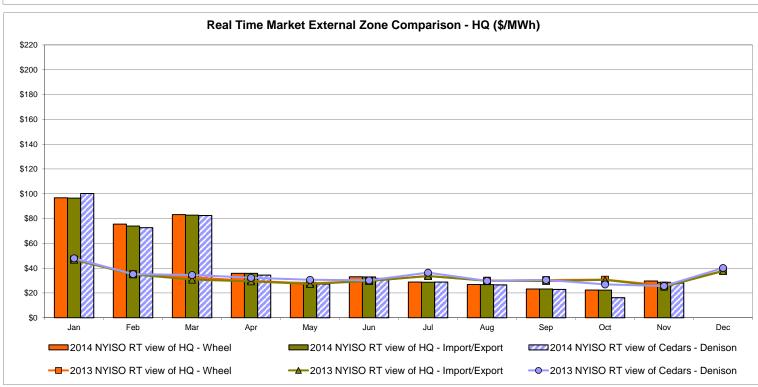
## **External Controllable Line: Neptune (PJM)**





#### **External Comparison Hydro-Quebec**

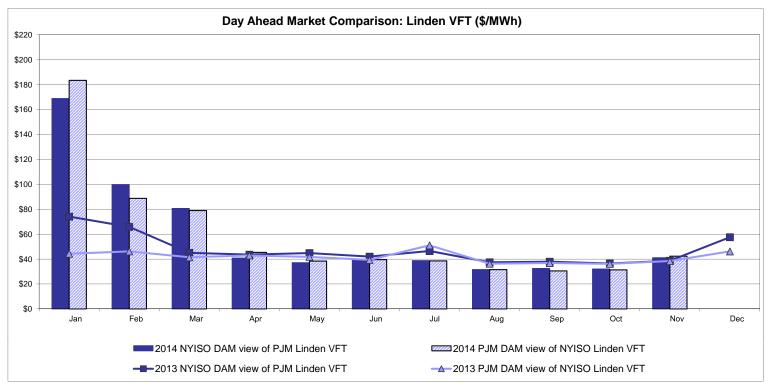


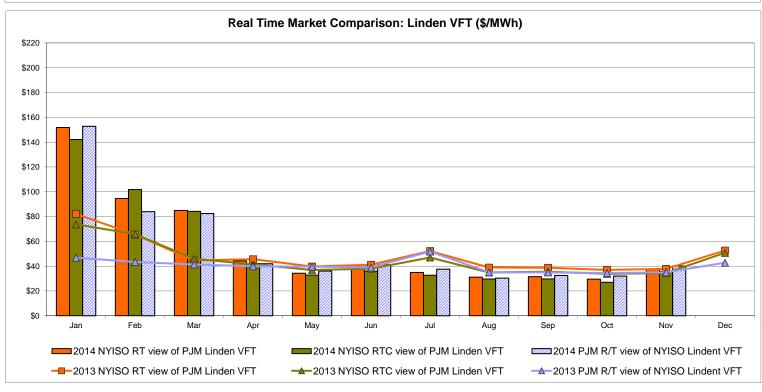


Note:

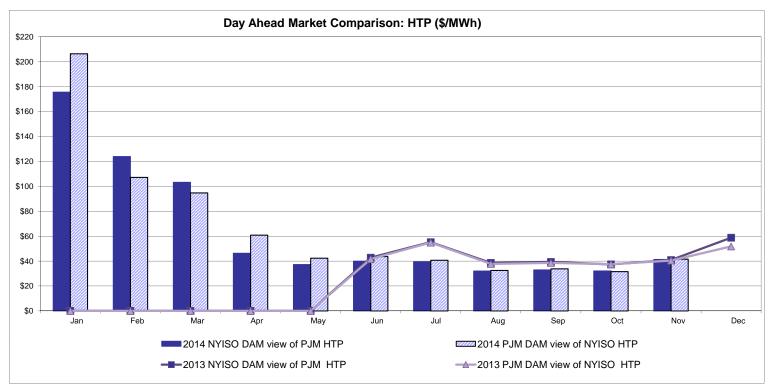
Hydro-Quebec Prices are unavailable.

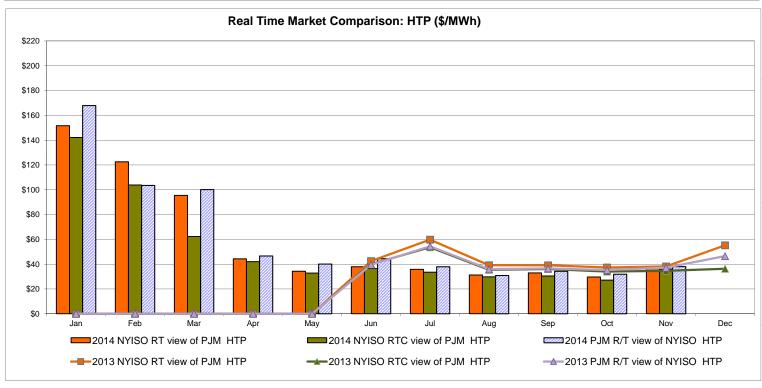
### **External Controllable Line: Linden VFT (PJM)**





## **External Controllable Line: Hudson (PJM)**



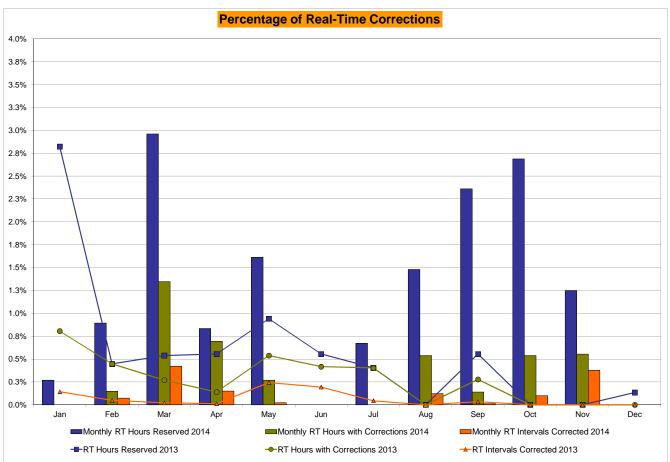


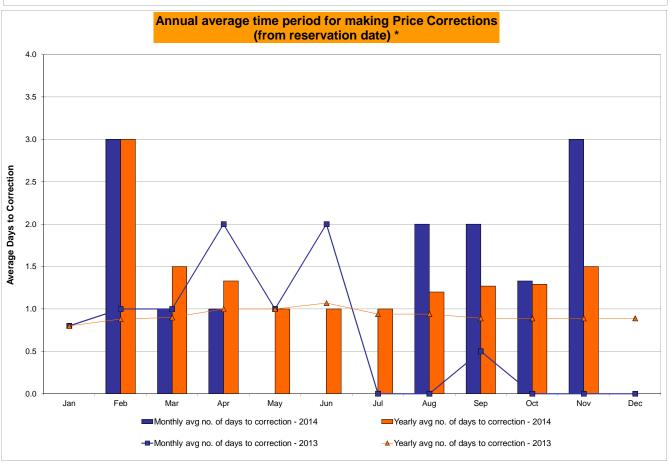
#### **NYISO Real Time Price Correction Statistics**

2014 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	<u>December</u>
Number of hours with corrections	in the month	0	1	10	5	2	0	0	4	1	4	4	
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744	721	
% of hours with corrections	in the month	0.00%	0.15%	1.35%	0.69%	0.27%	0.00%	0.00%	0.54%	0.14%	0.54%	0.55%	
% of hours with corrections	year-to-date	0.00%	0.07%	0.51%	0.56%	0.50%	0.41%	0.35%	0.38%	0.35%	0.37%	0.39%	
Interval Corrections		•	_			_		_					
Number of intervals corrected	in the month	0	6	38	13	2	0	0	11	1	9	33	
Number of intervals	in the month	9,232	8,205	9,023	8,720	9,030	8,729	8,999	8,975	8,779	9,026	8,763	
% of intervals corrected	in the month	0.00%	0.07%	0.42%	0.15%	0.02%	0.00%	0.00%	0.12%	0.01%	0.10%	0.38%	
% of intervals corrected	year-to-date	0.00%	0.03%	0.17%	0.16%	0.13%	0.11%	0.10%	0.10%	0.09%	0.09%	0.12%	
Hours Reserved													
Number of hours reserved	in the month	2	6	22	6	12	0	5	11	17	20	9	
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744	721	
% of hours reserved	in the month	0.27%	0.89%	2.96%	0.83%	1.61%	0.00%	0.67%	1.48%	2.36%	2.69%	1.25%	
% of hours reserved	year-to-date	0.27%	0.56%	1.39%	1.25%	1.32%	1.11%	1.04%	1.10%	1.24%	1.38%	1.37%	
Days to Correction *													_
Avg. number of days to correction	in the month	0.00	3.00	1.00	1.00	0.00	0.00	0.00	2.00	2.00	1.33	3.00	
Avg. number of days to correction	year-to-date	0.00	3.00	1.50	1.33	1.00	1.00	1.00	1.20	1.27	1.29	1.50	
Days Without Corrections	7												
Days without corrections	in the month	31	27	28	28	29	30	31	29	29	28	28	
Days without corrections	year-to-date	31	58	86	114	143	173	204	233	262	290	318	
•	•												
<u>2013</u>		<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
Hour Corrections		·	<del></del>			<del></del>				·			
Hour Corrections  Number of hours with corrections	in the month	6	3	2	1	4	3	3	0	2	0	0	0
Hour Corrections  Number of hours with corrections  Number of hours	in the month	6 744	3 672	 2 743	1 720	4 744	3 720	3 744	0 744	2 720	0 744	0 721	0 744
Hour Corrections  Number of hours with corrections		6	3	2	1	4	3	3	0	2	0	0	0
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month	6 744	3 672	 2 743	1 720	4 744	3 720	3 744	0 744	2 720	0 744	0 721	0 744
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	6 744 0.81% 0.81%	3 672 0.45%	2 743 0.27% 0.51%	1 720 0.14% 0.42%	4 744 0.54% 0.44%	3 720 0.42% 0.44%	3 744 0.40%	0 744 0.00% 0.38%	2 720 0.28% 0.37%	0 744 0.00%	0 721 0.00% 0.30%	0 744 0.00% 0.27%
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	6 744 0.81% 0.81%	3 672 0.45% 0.64%	2 743 0.27% 0.51%	1 720 0.14% 0.42%	4 744 0.54% 0.44%	3 720 0.42% 0.44%	3 744 0.40% 0.43%	0 744 0.00% 0.38%	2 720 0.28% 0.37%	0 744 0.00% 0.33%	0 721 0.00% 0.30%	0 744 0.00% 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	6 744 0.81% 0.81%	3 672 0.45% 0.64%	2 743 0.27% 0.51%	1 720 0.14% 0.42%	4 744 0.54% 0.44%	3 720 0.42% 0.44%	3 744 0.40% 0.43%	0 744 0.00% 0.38%	2 720 0.28% 0.37%	0 744 0.00% 0.33%	0 721 0.00% 0.30%	0 744 0.00% 0.27%
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	6 744 0.81% 0.81%	3 672 0.45% 0.64%	2 743 0.27% 0.51%	1 720 0.14% 0.42%	4 744 0.54% 0.44%	3 720 0.42% 0.44%	3 744 0.40% 0.43%	0 744 0.00% 0.38%	2 720 0.28% 0.37%	0 744 0.00% 0.33%	0 721 0.00% 0.30%	0 744 0.00% 0.27%
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	in the month in the month year-to-date  in the month in the month	6 744 0.81% 0.81% 13 9,104	3 672 0.45% 0.64% 4 8,230	2 743 0.27% 0.51% 2 9,026	1 720 0.14% 0.42%	4 744 0.54% 0.44% 22 9,083	3 720 0.42% 0.44% 17 8,740	3 744 0.40% 0.43% 4 9,079	0 744 0.00% 0.38% 0 9,002	2 720 0.28% 0.37% 3 8,760	0 744 0.00% 0.33% 0 9,041	0 721 0.00% 0.30% 0 8,854	0 744 0.00% 0.27% 0 9,073
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	6 744 0.81% 0.81% 13 9,104 0.14%	3 672 0.45% 0.64% 4 8,230 0.05%	2 743 0.27% 0.51% 2 9,026 0.02%	1 720 0.14% 0.42% 1 8,727 0.01%	4 744 0.54% 0.44% 22 9,083 0.24%	3 720 0.42% 0.44% 17 8,740 0.19%	3 744 0.40% 0.43% 4 9,079 0.04%	0 744 0.00% 0.38% 0 9,002 0.00%	2 720 0.28% 0.37% 3 8,760 0.03%	0 744 0.00% 0.33% 0 9,041 0.00%	0 721 0.00% 0.30% 0 8,854 0.00%	0 744 0.00% 0.27% 0 9,073 0.00%
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	6 744 0.81% 0.81% 13 9,104 0.14%	3 672 0.45% 0.64% 4 8,230 0.05%	2 743 0.27% 0.51% 2 9,026 0.02%	1 720 0.14% 0.42% 1 8,727 0.01%	4 744 0.54% 0.44% 22 9,083 0.24%	3 720 0.42% 0.44% 17 8,740 0.19%	3 744 0.40% 0.43% 4 9,079 0.04%	0 744 0.00% 0.38% 0 9,002 0.00%	2 720 0.28% 0.37% 3 8,760 0.03%	0 744 0.00% 0.33% 0 9,041 0.00%	0 721 0.00% 0.30% 0 8,854 0.00%	0 744 0.00% 0.27% 0 9,073 0.00%
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 year-to-date	6 744 0.81% 0.81% 13 9,104 0.14%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07%	0 744 0.00% 0.27% 0 9,073 0.00% 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	in the month in the month year-to-date  in the month in the month in the month year-to-date  in the month	6 744 0.81% 0.81% 13 9,104 0.14% 0.14%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07%	0 744 0.00% 0.27% 0 9,073 0.00% 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	6 744 0.81% 0.81% 13 9,104 0.14% 0.14% 21 744 2.82%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10% 3 672 0.45%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07% 4 743 0.54%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06% 4 720 0.56%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10% 7 744 0.94%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11% 4 720 0.56%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10% 3 744 0.40%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09% 0 744 0.00%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08% 4 720 0.56%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07% 0 744 0.00%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07% 0 721 0.00%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06% 1 744 0.13%
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	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	6 744 0.81% 0.81% 13 9,104 0.14% 0.14%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07% 4 743	1 720 0.14% 0.42% 1 8,727 0.01% 0.06%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10% 3 744	0 744 0.00% 0.38% 0 9,002 0.00% 0.09%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07%	0 744 0.00% 0.27% 0 9,073 0.00% 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	6 744 0.81% 0.81% 13 9,104 0.14% 0.14% 21 744 2.82%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10% 3 672 0.45%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07% 4 743 0.54%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06% 4 720 0.56%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10% 7 744 0.94%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11% 4 720 0.56%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10% 3 744 0.40%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09% 0 744 0.00%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08% 4 720 0.56%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07% 0 744 0.00%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07% 0 721 0.00%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06% 1 744 0.13%
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	6 744 0.81% 0.81% 13 9,104 0.14% 0.14% 21 744 2.82% 2.82%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10% 3 672 0.45% 1.69%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07% 4 743 0.54% 1.30%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06% 4 720 0.56% 1.11%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10% 7 744 0.94% 1.08%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11% 4 720 0.56% 0.99%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10% 3 744 0.40% 0.90%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09% 0 744 0.00% 0.79%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08% 4 720 0.56% 0.76%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07% 0 744 0.00% 0.69%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07% 0 721 0.00% 0.62%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06% 1 744 0.13% 0.58%
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	6 744 0.81% 0.81% 13 9,104 0.14% 0.14% 21 744 2.82% 2.82%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10% 3 672 0.45% 1.69%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07% 4 743 0.54% 1.30%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06% 4 720 0.56% 1.11%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10% 7 744 0.94% 1.08%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11% 4 720 0.56% 0.99%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10% 3 744 0.40% 0.90%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09% 0 744 0.00% 0.79%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08% 4 720 0.56% 0.76%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07% 0 744 0.00% 0.69%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07% 0 721 0.00% 0.62%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06% 1 744 0.13% 0.58%
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 year-to-date in the month year-to-date	6 744 0.81% 0.81% 13 9,104 0.14% 0.14% 21 744 2.82% 2.82% 0.80 0.80	3 672 0.45% 0.64% 4 8,230 0.05% 0.10% 3 672 0.45% 1.69%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07% 4 743 0.54% 1.30%	1 720 0.14% 0.42%  1 8,727 0.01% 0.06%  4 720 0.56% 1.11%  2.00 1.00	4 744 0.54% 0.44% 22 9,083 0.24% 0.10% 7 744 0.94% 1.08%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11% 4 720 0.56% 0.99% 2.00 1.07	3 744 0.40% 0.43% 4 9,079 0.04% 0.10% 3 744 0.40% 0.90% 0.00	0 744 0.00% 0.38% 0 9,002 0.00% 0.09% 0 744 0.00% 0.79% 0.00 0.94	2 720 0.28% 0.37% 3 8,760 0.03% 0.08% 4 720 0.56% 0.76%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07% 0 744 0.00% 0.69% 0.00 0.89	0 721 0.00% 0.30%  0 8,854 0.00% 0.07%  0 721 0.00% 0.62%  0.00 0.89	0 744 0.00% 0.27% 0 9,073 0.00% 0.06% 1 744 0.13% 0.58% 0.00 0.89
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	6 744 0.81% 0.81% 13 9,104 0.14% 0.14% 21 744 2.82% 2.82%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10% 3 672 0.45% 1.69%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07% 4 743 0.54% 1.30%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06% 4 720 0.56% 1.11%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10% 7 744 0.94% 1.08%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11% 4 720 0.56% 0.99%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10% 3 744 0.40% 0.90%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09% 0 744 0.00% 0.79%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08% 4 720 0.56% 0.76%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07% 0 744 0.00% 0.69%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07% 0 721 0.00% 0.62%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06% 1 744 0.13% 0.58%

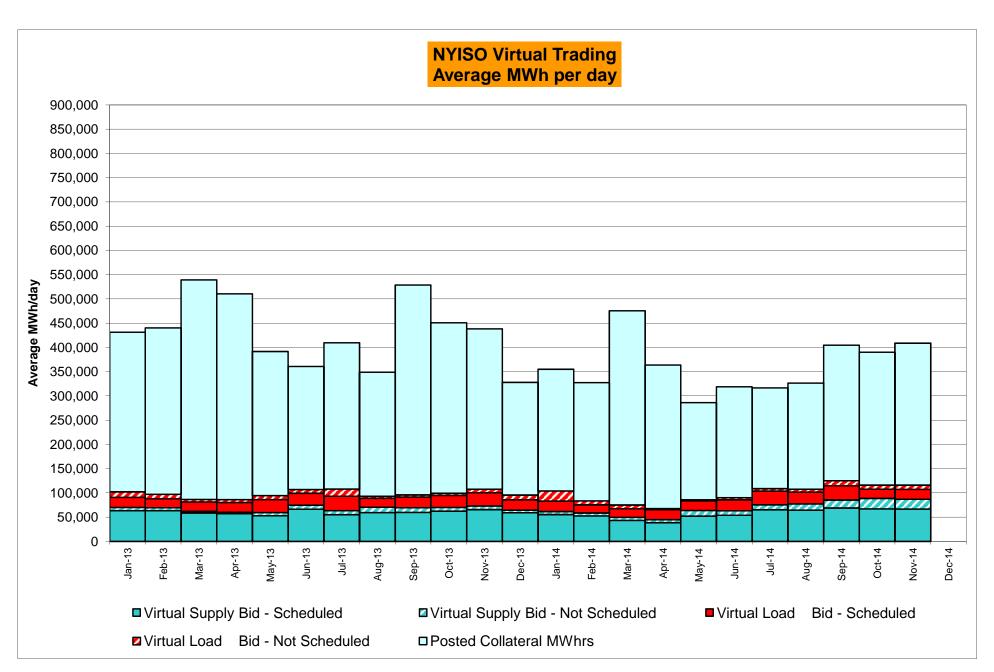
<sup>\*</sup> Calendar days from reservation date.

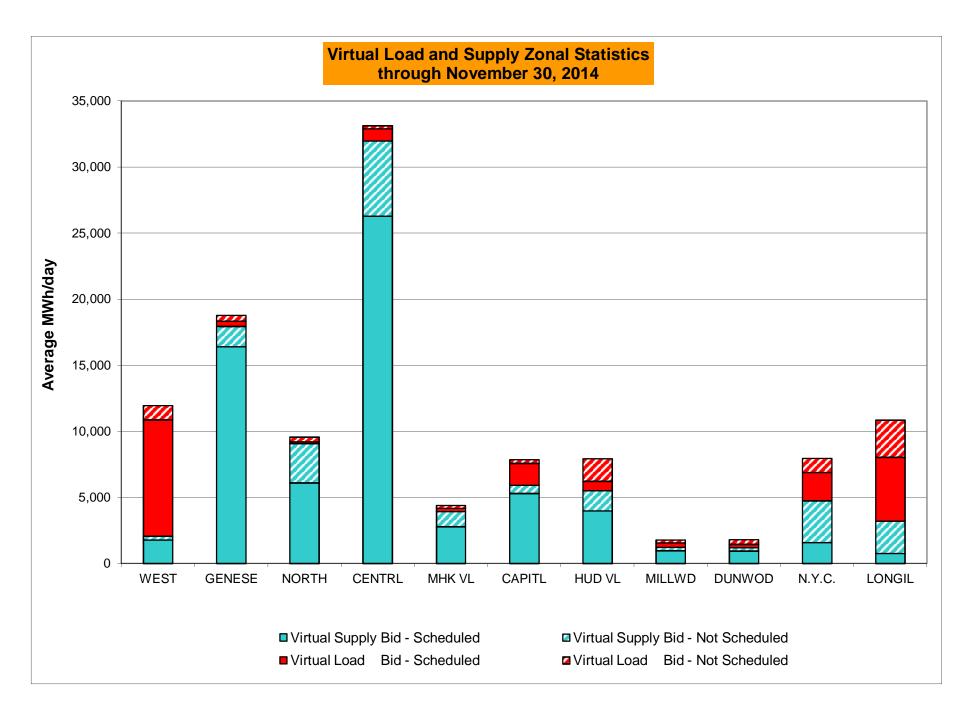
Market Mitigation and Analysis Prepared: 12/8/2014 10:34 AM





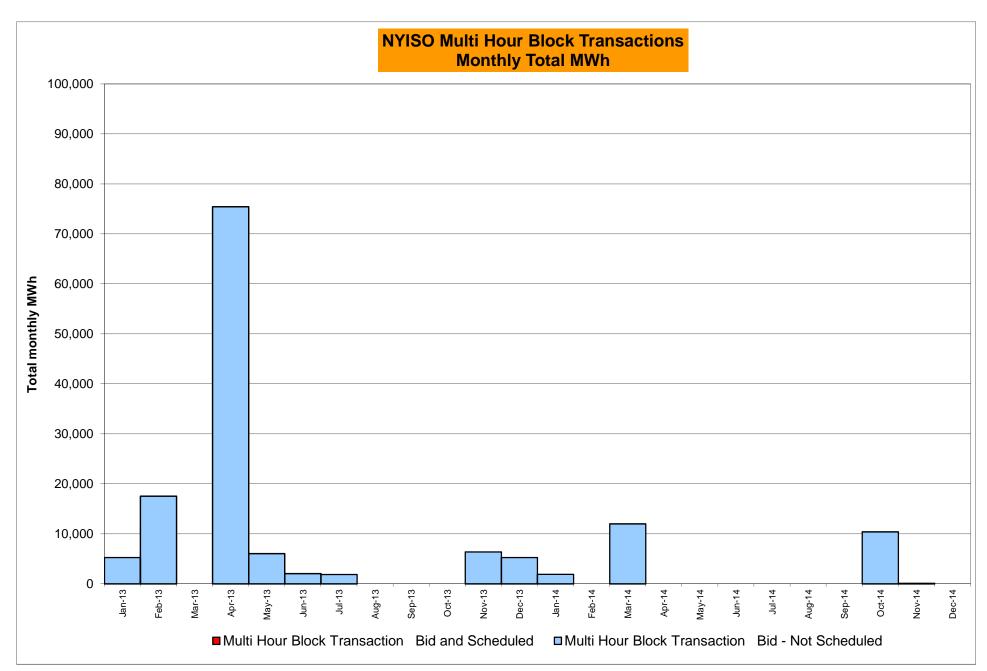
<sup>\*</sup> Calendar days from reservation date.



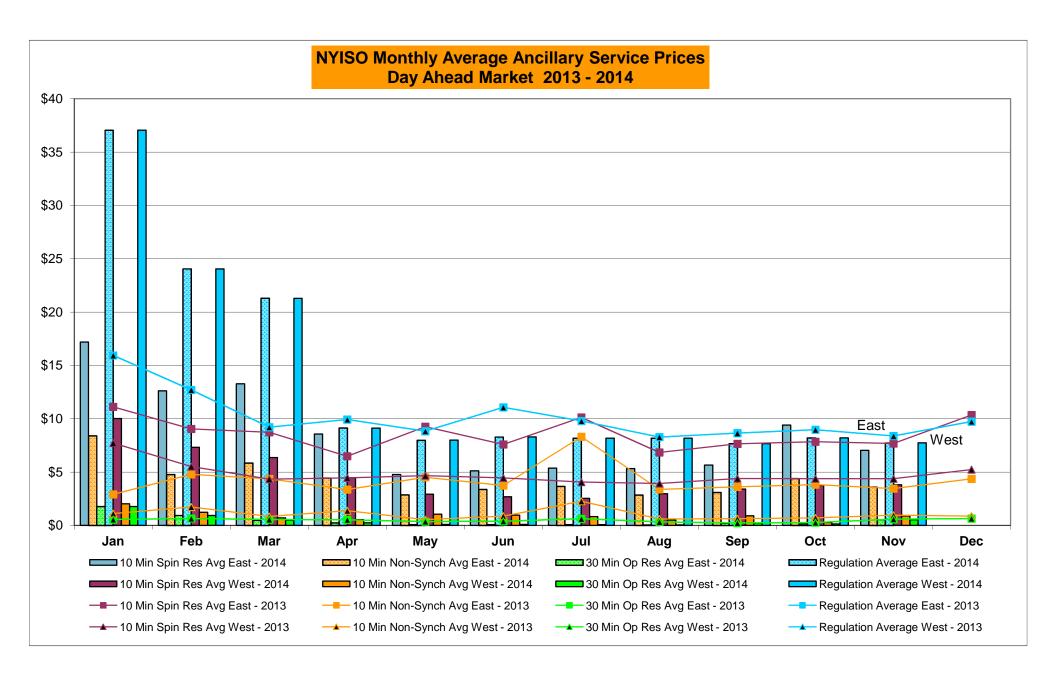


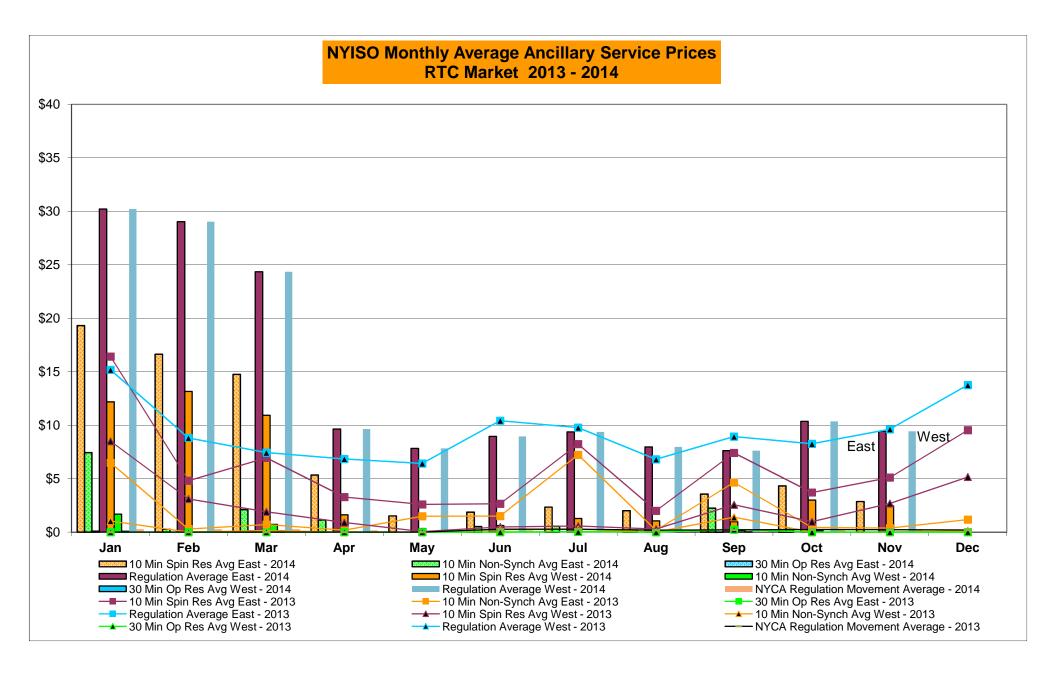
Date   Scheduled   Scheduled						Virtual	Load and	l Supp	ly Zonal	Statistic	s (Avera	ge MWh/da	y) - 2014	1				
Date   Scheduled   Scheduled																		
			Virtual L		Virtual S		П	-	Virtual L		Virtual Su			1	Virtuai i		Virtual Su	
## WEST   Jam-14   6,213   5,063   2,777   155   MHK V.   Jam-14   420   567   1,316   260   DUNWOD   Jam-14   354   631   1	_	, . I			~								_				~	Not
Fight   6,077   605   2,214   422   Mart   4,982   601   2,774   199   Mart   4,982   601   2,774   199   Mart   4,982   601   2,774   199   Mart   4,982   601   2,773   481   1,880   130   Mart   4,982   601   6,780   130   Mart   4,982   601   6,780   130   Mart   4,982   6,780   Mart   4,982   Mart																	Scheduled	Scheduled
Mar-14	WEST						MHK VL						DUNWOD	_			2,182	268
April   2,473   451   1,880   130																		176
May-14   7,717   353   952   158     May-14   2231   7   2,372   412     May-14   3,090   75   May-14   7,810   1,161   1,164   1,175   275													_					146
Jun-14													_					87
Mart											, -							67
Aug-14   7,802   1,161   1,574   2,55   5,591   3,06   1,106   0,014   6,159   1,704   2,929   4,98   0,014   6,159   1,704   2,929   4,98   0,014   6,159   1,704   2,929   4,98   0,014   4,056   2,709   1,138   0,001   1,138   0,001																		25 243
Sep-14   9,250   3,385   1,481   488   Nov-14   6,150   1,708   2,094   496   Nov-14   6,150   Nov-14   2,094   496   Nov-14   2,094   496   Nov-14   266   217   2,780   1,385   Nov-14   250   361   Nov-14   266   217   2,780   1,385   Nov-14   250   361   Nov-14   266   Nov-14   266   217   2,780   1,385   Nov-14   2,505   361   Nov-14   2,607   3,985   Nov-14   2,607   3,985   Nov-14   2,627   3,843   Nov-14   1,164   1,164   1,164   1,166   6,014   88   Nov-14   1,164															,		,	
Oct-14   0.159																	1,146 1,059	255 95
No.   1			,								,	,					939	215
Dec-14													=				939	
Sep-14			0,003	1,036	1,790	219			200	217	2,700	1,130	-		250	301	940	255
Feb-14		Dec-14						Dec-14						Dec-14				
Feb-14	GENESE	lan-14	131	270	5 230	125	CARITI	lan-14	1 /30	1 278	3 085	370	NYC	lan-14	2 627	3 8/13	666	1,083
Mar-14   1,164   176   6,014   88   Apr-14   575   13   8,329   173   Apr-14   790   107   4,476   133   Apr-14   2,276   165   Jun-14   211   2   9,133   405   Jun-14   307   93   5,581   33   33   Jun-14   2,741   3,025   1,308   Apr-14   570   Jun-14   367   37   Jun-14   367   37   Jun-14   2,741   3,025   3,028   Apr-14   5,326   3,028   Apr-14   3,025   3,028   Apr-14   2,276   165   Jun-14   3,025   3,028   Apr-14   2,276   165   Jun-14   2,741   3,025   3,028   Apr-14   2,276   165   Jun-14   2,741   3,025   3,028   Apr-14   4,027   3,025   Apr-14   4,027   4,	GLINESE						CALITE		,				14.1.0.					625
Apr-14   551   13   8.329   173   May-14   134   18   5.223   798   May-14   790   107   4.476   133   May-14   2.276   155   May-14   2.276   2.276   May-14					,	-									, -		152	1,172
May-14   134   18   5.223   798   May-14   479   17   5.367   337   May-14   2.276   165   May-14   979   78   15.781   549   May-14   4817   62   14.782   938   Sep-14   446   174   16.151   1.958   Sep-14   446   174   16.151   1.958   Sep-14   446   174   16.151   1.958   Sep-14   446   174   16.452   1.534   Sep-14   1.839   132   6.605   933   Sep-14   4.757   594   Sep-14   4.757   594   Sep-14   4.758   Sep-14   Sep-					,				,		,						152	2,900
Jun-14   211   2   9,133   40.5   Jun-14   367   93   5,631   333   Jun-14   2,741   390   Jun-14   2,73   7.12   Jun-14   452   31   8,007   1,290   Jun-14   3,676   2,916   Jun-14   452   31   8,007   1,290   Jun-14   3,676   3,676   3,776   Jun-14   4,757   3,976   Jun-14   3,576   Ju													=					
Mart   978   15,781   549													=					3,613
Aug-14																		780
Sep-14																		740
Oct-14												, -						630
Nov-14   404   417   16,422   1,534   Nov-14   1,657   287   5,298   618   Nov-14   2,135   1,076						,											,	3,096
Dec-14   Feb-14																		3,158
Feb-14		Dec-14			Í	ĺ		Dec-14			·			Dec-14		·		,
Feb-14																		
Mar-14	NORTH						HUD VL						LONGIL				59	375
Apr-14						,				,	,						145	
May-14   89																	166	
Jun-14					,													
Jul-14																	83	151
Aug-14 146 344 6,615 1,624   Sep-14 166 359 6,631 3,973   Oct-14 414 710 5,341 4,316   Nov-14 138 346 6,090 2,991   Dec-14															,	,	97	77
Sep-14   166   359   6,631   3,973   Oct-14   414   710   5,341   4,316   Nov-14   138   346   6,090   2,991   Dec-14   Dec-14					-,				,						,		304	854
Oct-14					,											,		1,306
Nov-14   138   346   6,090   2,991   Nov-14   717   1,697   3,977   1,537   Nov-14   4,824   2,800					,	,				,		,	_			,	682	943
Dec-14   D					,										,		470 767	1,378
CENTRL         Jan-14         675         392         27,758         624         MILLWD         Jan-14         235         401         848         470         NYISO         Jan-14         21,670         20,900         55           Feb-14         419         155         27,395         1,484         Feb-14         324         183         1,015         357         Feb-14         16,907         7,888         52           Mar-14         466         359         16,130         1,822         Mar-14         278         293         872         262         Mar-14         17,855         7,700         43           Apr-14         222         13         5,535         430         Mar-14         119         54         878         255         Apr-14         20,848         2,295         36           May-14         743         0         24,434         3,035         May-14         395         32         1,104         392         May-14         19,467         2,488         2,295         32           Jul-14         1,041         71         25,054         3,466         Jul-14         1,148         184         840         213         Jul-14         27,900         5,243 </td <td></td> <td></td> <td>138</td> <td>346</td> <td>6,090</td> <td>2,991</td> <td></td> <td></td> <td>/1/</td> <td>1,697</td> <td>3,977</td> <td>1,537</td> <td></td> <td></td> <td></td> <td>2,800</td> <td>767</td> <td>2,460</td>			138	346	6,090	2,991			/1/	1,697	3,977	1,537				2,800	767	2,460
Feb-14 419 155 27,395 1,484 Feb-14 324 183 1,015 357 Feb-14 16,907 7,888 52 Mar-14 466 359 16,130 1,822 Apr-14 222 13 5,535 430 Apr-14 119 54 878 255 Apr-14 20,848 2,295 38 May-14 743 0 24,434 3,035 Apr-14 119 54 878 255 Apr-14 20,848 2,295 38 May-14 829 25 24,422 2,180 Jul-14 1,041 71 25,054 3,466 Aug-14 1,119 65 24,453 4,027 Sep-14 1,638 450 25,200 4,692 Sep-14 1,638 450 25,200 4,692 Feb-14 324 183 1,015 357 Feb-14 16,907 7,888 52 Mar-14 17,855 7,700 42 Mar-14 17,855 7,700 42 Mar-14 119 54 878 255 Apr-14 20,848 2,295 38 May-14 395 32 1,104 392 May-14 19,467 2,478 55 Jul-14 1,041 71 25,054 3,466 Jul-14 670 66 1,230 254 Jul-14 22,606 4,660 55 May-14 1,148 184 840 213 Jul-14 27,900 5,243 66 Aug-14 24,561 5,920 66 Sep-14 1,638 450 25,200 4,692 Sep-14 926 236 1,161 322 Sep-14 29,368 10,348 68		Dec-14						Dec-14						Dec-14				
Feb-14 419 155 27,395 1,484 Feb-14 324 183 1,015 357 Feb-14 16,907 7,888 52 Mar-14 466 359 16,130 1,822 Mar-14 278 293 872 262 Mar-14 17,855 7,700 43 Apr-14 222 13 5,535 430 Apr-14 119 54 878 255 Apr-14 20,848 2,295 38 May-14 743 0 24,434 3,035 May-14 395 32 1,104 392 May-14 19,467 2,478 52 Jun-14 829 25 24,422 2,180 Jun-14 670 66 1,230 254 Jun-14 22,606 4,624 54 Jun-14 27,900 5,244 561 6,920 64 Aug-14 1,119 65 24,453 4,027 Aug-14 573 91 809 266 Aug-14 24,561 5,920 65 Sep-14 1,638 450 25,200 4,692 Sep-14 926 236 1,161 322 Sep-14 29,368 10,348 68	CENTRI	lan-14	675	392	27 758	624	MILLWD	lan-14	235	401	848	470	NYISO	lan-14	21 670	20 900	55,491	6,098
Mar-14         466         359         16,130         1,822         Mar-14         278         293         872         262         Mar-14         17,855         7,700         43           Apr-14         222         13         5,535         430         Apr-14         119         54         878         255         Apr-14         20,848         2,295         38           May-14         743         0         24,434         3,035         May-14         395         32         1,104         392         May-14         19,467         2,478         52           Jul-14         1,041         71         25,054         3,466         Jul-14         1,148         184         840         213         Jul-14         27,900         5,243         65           Aug-14         1,638         450         25,200         4,692         Sep-14         926         236         1,161         322         Sep-14         29,368         10,348         68	OLIVINE						IIIILLIVID						141100				52,604	6,097
Apr-14         222         13         5,535         430         Apr-14         119         54         878         255         Apr-14         20,848         2,295         38           May-14         743         0         24,434         3,035         May-14         395         32         1,104         392         May-14         19,467         2,478         52           Jul-14         1,041         71         25,054         3,466         Jul-14         1,148         184         840         213         Jul-14         27,900         5,243         68           Aug-14         1,638         450         25,200         4,692         Sep-14         926         236         1,161         322         Sep-14         29,368         10,348         68													=		,	,	43,485	6,082
May-14         743         0         24,434         3,035           Jun-14         829         25         24,422         2,180           Jul-14         1,041         71         25,054         3,466           Aug-14         1,119         65         24,453         4,027           Sep-14         1,638         450         25,200         4,692																		6,187
Jun-14         829         25         24,422         2,180         Jun-14         670         66         1,230         254         Jun-14         22,606         4,660         53           Jul-14         1,041         71         25,054         3,466         Jul-14         1,148         184         840         213         Jul-14         27,900         5,243         68           Aug-14         1,119         65         24,453         4,027         Aug-14         573         91         809         266         Aug-14         24,561         5,920         64           Sep-14         1,638         450         25,200         4,692         Sep-14         926         236         1,161         322         Sep-14         29,368         10,348         68																		11,742
Jul-14         1,041         71         25,054         3,466         Jul-14         1,148         184         840         213         Jul-14         27,900         5,243         66           Aug-14         1,119         65         24,453         4,027         Aug-14         573         91         809         266         Aug-14         24,561         5,920         64           Sep-14         1,638         450         25,200         4,692         Sep-14         926         236         1,161         322         Sep-14         29,368         10,348         68																		9,221
Aug-14     1,119     65     24,453     4,027       Sep-14     1,638     450     25,200     4,692         Aug-14     573     91     809     266     Aug-14     24,561     5,920     64       Sep-14     926     236     1,161     322     Sep-14     29,368     10,348     68						,							┪	_	,			10,336
Sep-14         1,638         450         25,200         4,692         Sep-14         926         236         1,161         322         Sep-14         29,368         10,348         68													7					12,915
			,										7			,	,	16,514
		Oct-14	1,020	363		6,511		Oct-14	574	208	,	150	7	Oct-14			67,108	21,473
																,	,	19,906
Dec-14 Dec-14 Dec-14		Dec-14				·										·		

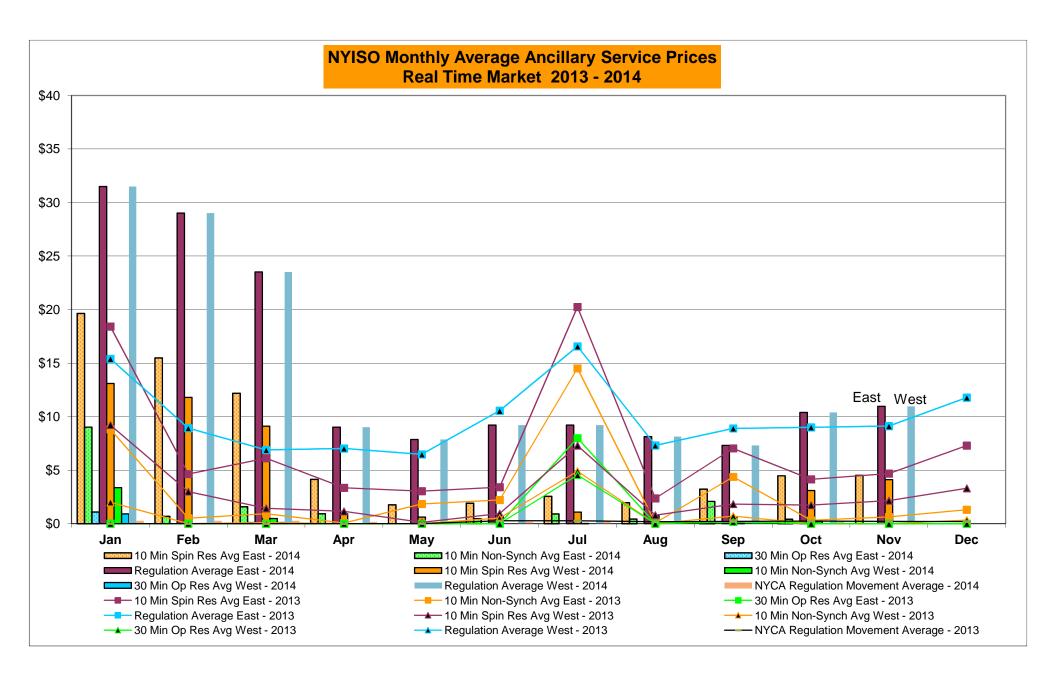
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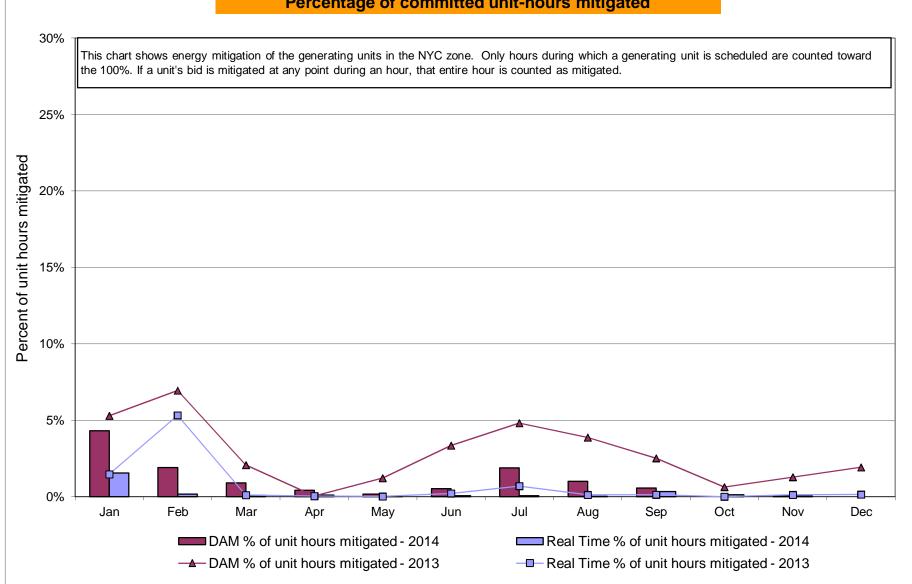


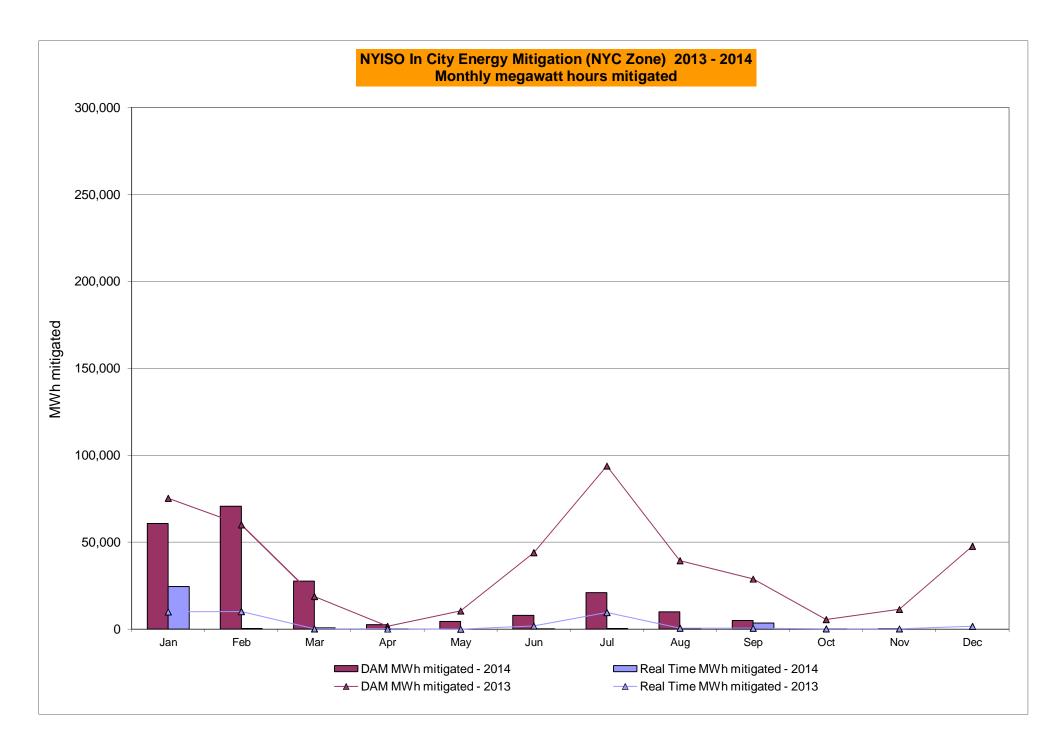
#### NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

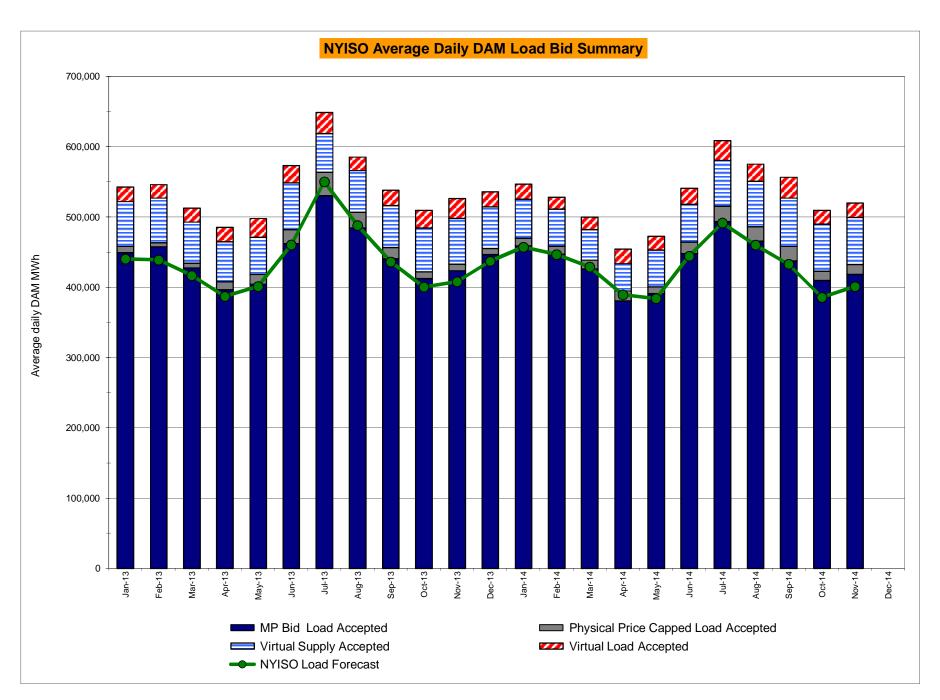
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<u>2014</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
Day Ahead Market												
10 Min Spin East	17.19	12.62	13.27	8.57	4.77	5.11	5.37	5.33	5.66	9.41	7.04	
10 Min Spin West	10.02	7.32	6.36	4.47	2.92	2.69	2.54	2.96	3.41	3.76	3.82	
10 Min Non Synch East	8.40	4.78	5.86	4.44	2.86	3.37	3.65	2.85	3.08	4.40	3.58	
10 Min Non Synch West	2.02	1.23	0.70	0.55	1.06	0.96	0.83	0.49	0.91	0.27	0.89	
30 Min East	1.77	0.93	0.47	0.24	0.09	0.08	0.08	0.04	0.21	0.14	0.53	
30 Min West	1.77	0.93	0.47	0.24	0.09	0.08	0.08	0.04	0.21	0.14	0.53	
Regulation East	37.05	24.05	21.29	9.12	7.99	8.30	8.18	8.18	7.67	8.21	7.74	
Regulation West	37.05	24.05	21.29	9.12	7.99	8.30	8.18	8.18	7.67	8.21	7.74	
RTC Market												
10 Min Spin East	19.32	16.64	14.76	5.34	1.52	1.87	2.35	2.00	3.57	4.32	2.86	
10 Min Spin West	12.18	13.16	10.93	1.61	0.33	0.61	1.27	1.04	0.98	2.99	2.46	
10 Min Non Synch East	7.43	0.26	2.10	1.14	0.00	0.52	0.55	0.20	2.25	0.25	0.00	
10 Min Non Synch West	1.68	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.17	0.13	0.00	
30 Min East	0.08	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	
30 Min West	0.08	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	
Regulation East	30.21	29.03	24.35	9.64	7.83	8.95	9.36	7.97	7.62	10.36	9.42	
Regulation West	30.21	29.03	24.35	9.64	7.83	8.95	9.36	7.97	7.62	10.36	9.42	
NYCA Regulation Movement	0.28	0.27	0.26	0.17	0.15	0.17	0.21	0.18	0.21	0.20	0.20	
	0.20	0.27	0.20	0.17	0.15	0.17	0.21	0.16	0.21	0.20	0.20	
Real Time Market												
10 Min Spin East	19.64	15.48	12.19	4.15	1.78	1.92	2.57	1.96	3.23	4.47	4.51	
10 Min Spin West	13.10	11.80	9.11	0.94	0.61	0.72	1.08	0.76	0.60	3.10	4.12	
10 Min Non Synch East	9.03	0.70	1.59	0.93	0.00	0.48	0.92	0.44	2.09	0.42	0.00	
10 Min Non Synch West	3.37	0.00	0.48	0.00	0.00	0.00	0.00	0.00	0.05	0.20	0.00	
30 Min East	1.10	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30 Min West	0.92	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Regulation East	31.50	29.02	23.52	9.02	7.87	9.21	9.21	8.13	7.31	10.39	10.96	
Regulation West	31.50	29.02	23.52	9.02	7.87	9.21	9.21	8.13	7.31	10.39	10.96	
NYCA Regulation Movement	0.27	0.27	0.27	0.17	0.15	0.18	0.21	0.19	0.21	0.19	0.20	
2013	January	February	March	April	Mav	June	Julv	August	September	October	November	December
2013 Day Ahead Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
Day Ahead Market		<del></del>			-		-	August 6.84	-	October 7.85		<u> </u>
	<u>January</u> 11.12 7.72	<u>February</u> 9.05 5.53	<u>March</u> 8.73 4.34	<u>April</u> 6.49 4.46	<u>May</u> 9.25 4.67	<u>June</u> 7.59 4.46	<u>July</u> 10.13 4.06	-	<u>September</u> 7.65 4.40		<u>November</u> 7.68 4.37	<u>December</u> 10.35 5.23
Day Ahead Market 10 Min Spin East 10 Min Spin West	11.12	9.05	8.73	6.49	9.25	7.59	10.13	6.84	7.65	7.85	7.68	10.35
Day Ahead Market  10 Min Spin East	11.12 7.72	9.05 5.53	8.73 4.34	6.49 4.46	9.25 4.67	7.59 4.46	10.13 4.06	6.84 3.94	7.65 4.40	7.85 4.38	7.68 4.37	10.35 5.23
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East	11.12 7.72 2.91	9.05 5.53 4.79	8.73 4.34 4.36	6.49 4.46 3.36	9.25 4.67 4.52	7.59 4.46 3.73	10.13 4.06 8.31	6.84 3.94 3.37	7.65 4.40 3.62	7.85 4.38 3.82	7.68 4.37 3.45	10.35 5.23 4.37
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West	11.12 7.72 2.91 1.11	9.05 5.53 4.79 1.73	8.73 4.34 4.36 0.84	6.49 4.46 3.36 1.38	9.25 4.67 4.52 0.55	7.59 4.46 3.73 0.88	10.13 4.06 8.31 2.27	6.84 3.94 3.37 0.60 0.33	7.65 4.40 3.62 0.63	7.85 4.38 3.82 0.70 0.28	7.68 4.37 3.45 0.96	10.35 5.23 4.37 0.87 0.65
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East	11.12 7.72 2.91 1.11 0.56	9.05 5.53 4.79 1.73 0.65	8.73 4.34 4.36 0.84 0.56	6.49 4.46 3.36 1.38 0.53	9.25 4.67 4.52 0.55 0.36	7.59 4.46 3.73 0.88 0.40	10.13 4.06 8.31 2.27 0.62	6.84 3.94 3.37 0.60	7.65 4.40 3.62 0.63 0.23	7.85 4.38 3.82 0.70	7.68 4.37 3.45 0.96 0.59	10.35 5.23 4.37 0.87
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East	11.12 7.72 2.91 1.11 0.56 0.56 15.94	9.05 5.53 4.79 1.73 0.65 0.65 12.70	8.73 4.34 4.36 0.84 0.56 0.56 9.21	6.49 4.46 3.36 1.38 0.53 0.53 9.93	9.25 4.67 4.52 0.55 0.36 0.36 8.84	7.59 4.46 3.73 0.88 0.40 0.40 11.07	10.13 4.06 8.31 2.27 0.62 0.62 9.80	6.84 3.94 3.37 0.60 0.33 0.33 8.29	7.65 4.40 3.62 0.63 0.23 0.23 8.65	7.85 4.38 3.82 0.70 0.28 0.28 8.98	7.68 4.37 3.45 0.96 0.59 0.59 8.38	10.35 5.23 4.37 0.87 0.65 0.65 9.74
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation West	11.12 7.72 2.91 1.11 0.56 0.56	9.05 5.53 4.79 1.73 0.65 0.65	8.73 4.34 4.36 0.84 0.56 0.56	6.49 4.46 3.36 1.38 0.53	9.25 4.67 4.52 0.55 0.36 0.36	7.59 4.46 3.73 0.88 0.40 0.40	10.13 4.06 8.31 2.27 0.62 0.62	6.84 3.94 3.37 0.60 0.33 0.33	7.65 4.40 3.62 0.63 0.23 0.23	7.85 4.38 3.82 0.70 0.28 0.28	7.68 4.37 3.45 0.96 0.59 0.59	10.35 5.23 4.37 0.87 0.65 0.65
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation West	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94	9.05 5.53 4.79 1.73 0.65 0.65 12.70	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84	7.59 4.46 3.73 0.88 0.40 0.40 11.07	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation West  RTC Market  10 Min Spin East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation West  RTC Market  10 Min Spin East  10 Min Spin West	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation West  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation West  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch East  10 Min Non Synch West	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 9.80	6.84 3.94 3.37 0.60 0.33 8.29 8.29 1.99 0.29 0.16 0.00	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation West  RTC Market  10 Min Spin East  10 Min Spin East  10 Min Non Synch East  10 Min Non Synch West  30 Min East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation West  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00 0.00	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min East  Regulation East  Regulation West  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min East  30 Min East  Regulation East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 8.81	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 0.00 6.84	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 0.00 6.42	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07  2.65 0.48 1.50 0.22 0.00 0.00 10.42	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00 0.00 0.00 6.81	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation West  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation West  Regulation West	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 0.00 8.81 8.81	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 6.84 6.84	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 0.00 6.42 6.42	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07  2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00 0.00 6.81 6.81	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 0.00 9.63 9.63	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min East  Regulation East  Regulation West  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min East  30 Min East  Regulation East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 8.81	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 0.00 6.84	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 0.00 6.42	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07  2.65 0.48 1.50 0.22 0.00 0.00 10.42	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00 0.00 0.00 6.81	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West Regulation East Regulation West  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West Regulation West  Regulation Mon Synch West  30 Min East  30 Min West Regulation East Regulation Movement  Real Time Market	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 0.00 8.81 8.81	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 6.84 6.84	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 0.00 6.42 6.42	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07  2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00 0.00 6.81 6.81	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 0.00 9.63 9.63	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min East  Regulation East  Regulation West  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min East  Regulation East  Regulation West  Regulation West	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 0.00 8.81 8.81	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 6.84 6.84	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 0.00 6.42 6.42	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07  2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00 0.00 6.81 6.81	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 0.00 9.63 9.63	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation West  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min East  10 Min Mon Synch West  Regulation East  Regulation East  Regulation West  Regulation Movement  Real Time Market  10 Min Spin East  10 Min Spin East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18 15.18 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 8.81 8.81 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 6.84 6.84 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 0.00 6.42 6.42 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07  2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77 0.28	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 0.16 0.00 0.00 0.00 6.81 6.81 0.18	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26 0.24	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63 9.63 0.22	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75 0.20
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation West  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation Mon Synch West  Regulation Mon Synch West  Regulation Mon Synch West  Regulation East  Regulation Movement  Real Time Market  10 Min Spin East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 0.55 15.18	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 0.00 8.81 8.81 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 6.84 6.84 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 6.42 6.42 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07  2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77 0.28	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 0.16 0.00 0.00 0.00 6.81 6.81 0.18	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26 0.24	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 0.00 9.63 9.63 0.22	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75 0.20
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation East  Regulation West  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min East  10 Min Mon Synch West  Regulation East  Regulation East  Regulation West  Regulation Movement  Real Time Market  10 Min Spin East  10 Min Spin East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18 15.18 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 0.00 8.81 8.81 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 6.84 6.84 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 0.00 6.42 6.42 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07  2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77 0.28	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 0.29 0.16 0.00 0.00 6.81 6.81 0.18	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26 0.24 4.14 1.73	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 0.00 9.63 9.63 0.22 4.68 2.16	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75 0.20
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min West Regulation East Regulation West  RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation East Regulation West Regulation Movement Real Time Market 10 Min Spin East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18 15.18 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 0.00 0.00 4.63 3.00 0.52	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 0.00 6.84 6.84 0.00 3.35 1.15 0.06	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 6.42 6.42 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07  2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77 0.28	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00 0.00 6.81 0.18	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65  7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21  7.03 1.83 4.37	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26 0.24	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63 9.63 0.22 4.68 2.16 0.63	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 0.20
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation East Regulation West  RTC Market 10 Min Spin East 10 Min Spin East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation East Regulation Movement Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin East 10 Min Spin East 10 Min Spin Heast NYCA Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin West 10 Min Spin West	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18 15.18 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 8.81 8.81 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 0.00 6.84 6.84 0.00 3.35 1.15 0.06 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 6.42 6.42 0.00 3.03 0.13 1.84 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27  3.41 0.94 2.22 0.53	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77 0.28	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00 6.81 6.81 0.18	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65  7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21  7.03 1.83 4.37 0.70	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26 0.24 4.14 1.73 0.31 0.00	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63 9.63 0.22 4.68 2.16 0.63 0.00	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75 0.20
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min West Regulation East Regulation West  RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation East Regulation West Regulation Movement Real Time Market 10 Min Spin East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18 15.18 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 8.81 8.81 0.00 4.63 3.00 0.52 0.00 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 6.84 6.84 0.00 3.35 1.15 0.06 0.00 0.00 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 6.42 6.42 0.00 3.03 0.13 1.84 0.00 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07  2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27  3.41 0.94 2.22 0.53 0.00	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77 0.28	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 0.29 0.16 0.00 0.00 6.81 6.81 0.18 2.37 0.80 0.07 0.00 0.00	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65  7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21  7.03 1.83 4.37 0.70 0.17	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26 0.24 4.14 1.73 0.31 0.00 0.00	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63 9.63 0.22 4.68 2.16 0.63 0.00 0.00	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75 0.20 7.29 3.31 1.31 0.34 0.00 0.00
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min West Regulation East Regulation West  RTC Market 10 Min Spin East 10 Min Spin East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation East Regulation Movement Real Time Market 10 Min Spin East 10 Min Non Synch West 30 Min East 30 Min East 30 Min East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18 15.18 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 8.81 8.81 0.00 4.63 3.00 0.52 0.00 0.00 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00 6.12 1.44 0.93 0.10 0.00 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 9.93 3.28 0.90 0.18 0.00 0.00 0.00 6.84 6.84 0.00 3.35 1.15 0.06 0.00 0.00 0.00 0.00 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 6.42 6.42 0.00 3.03 0.13 1.84 0.00 0.00 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07  2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27  3.41 0.94 2.22 0.53 0.00 0.00 0.00	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77 0.28 20.24 7.29 14.51 4.91 7.99 4.55	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 0.16 0.00 0.00 0.00 6.81 6.81 0.18 2.37 0.80 0.07 0.00 0.00 0.00	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65  7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21  7.03 1.83 4.37 0.70 0.17 0.17	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 8.26 8.26 0.24 4.14 1.73 0.31 0.00 0.00 0.00 0.00	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63 9.63 9.63 0.22 4.68 2.16 0.63 0.00 0.00 0.00 0.00	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75 0.20 7.29 3.31 1.31 0.34 0.00 0.00
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min West Regulation East Regulation West  RTC Market 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation East Regulation East Regulation West Regulation West NYCA Regulation Movement  Real Time Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min East 30 Min West Regulation East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18 15.18 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 8.81 8.81 0.00 4.63 3.00 0.52 0.00 0.00 0.52	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00 6.12 1.44 0.93 0.10 0.00 0.00 6.89	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 9.93 3.28 0.90 0.18 0.00 0.00 6.84 6.84 0.00 3.35 1.15 0.06 0.00 0.00 0.00 0.00 0.00 0.00 7.03	9.25 4.67 4.52 0.35 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 6.42 6.42 0.00 3.03 0.13 1.84 0.00 0.00 6.48	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07  2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27  3.41 0.94 2.22 0.53 0.00 0.00 10.55	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77 0.28 20.24 7.29 14.51 4.91 7.99 4.55 16.57	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 0.16 0.00 0.00 6.81 6.81 0.18 2.37 0.80 0.07 0.00 0.00 0.00 0.00 0.00 0.0	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65  7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21  7.03 1.83 4.37 0.70 0.17 0.17 8.90	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26 0.24 4.14 1.73 0.31 0.00 0.00 0.00 0.00 9.00	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63 9.63 0.22 4.68 2.16 0.63 0.00 0.00 0.00 0.00 0.00 0.00 0.0	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75 0.20 7.29 3.31 1.31 0.34 0.00 0.00

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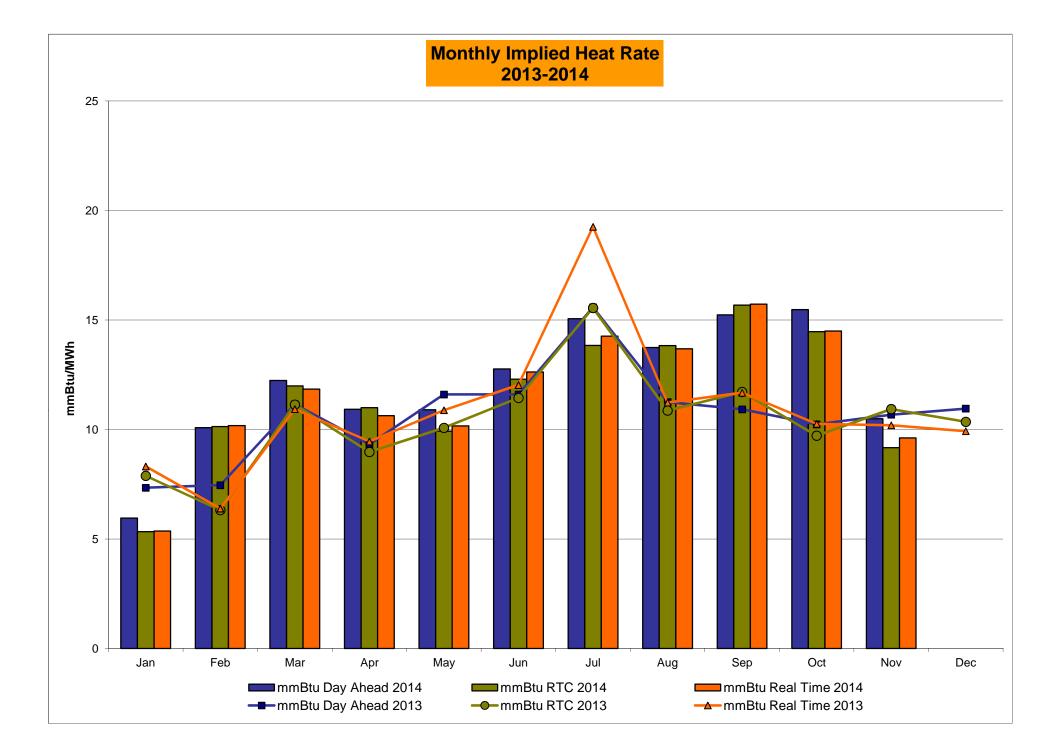




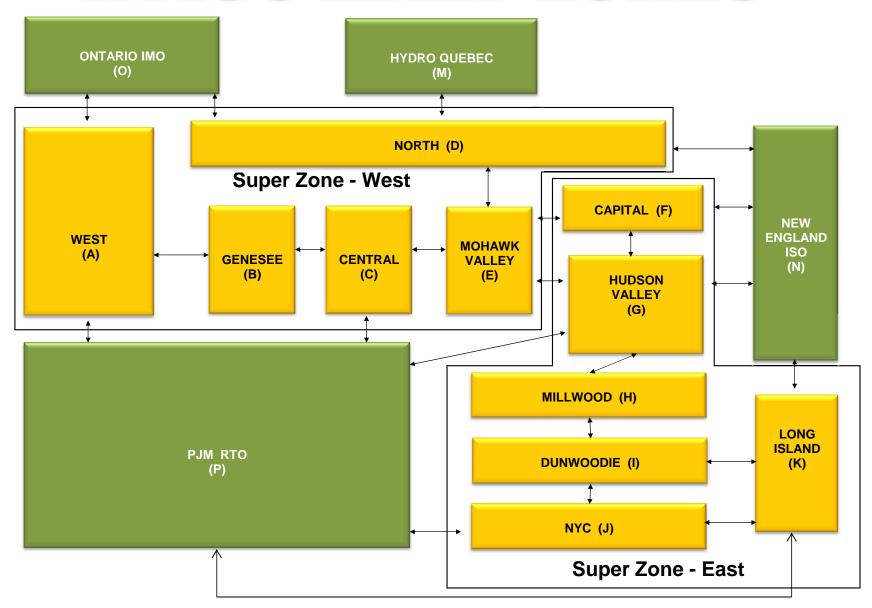




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# NYISO LBMP ZONES

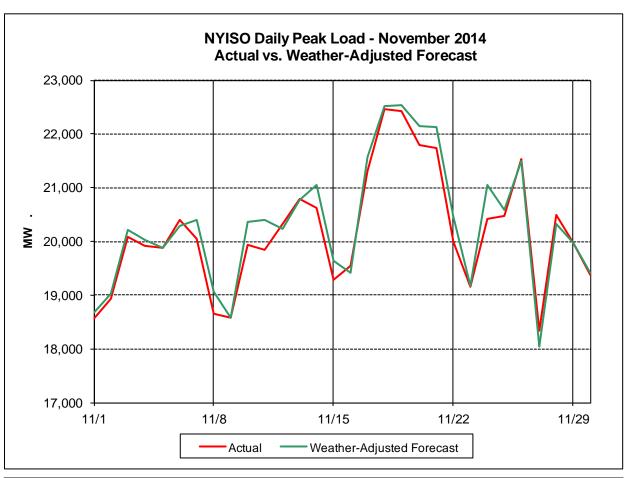


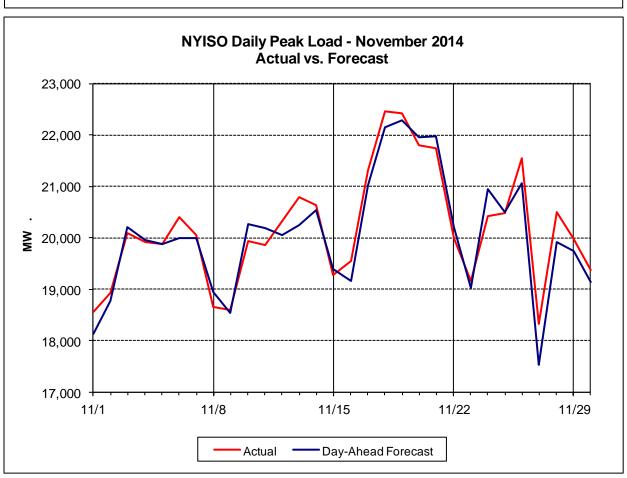
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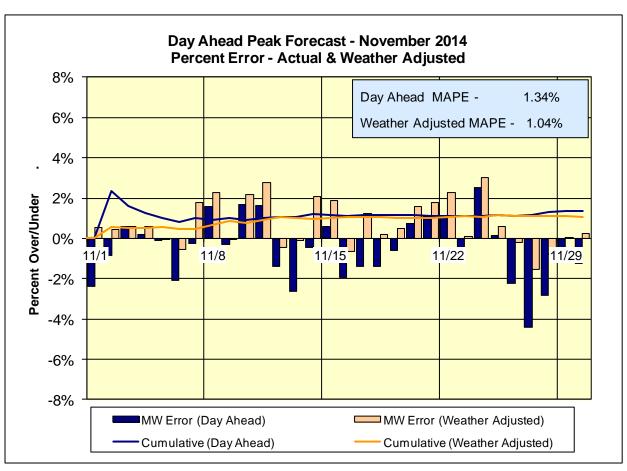
#### **Billing Codes for Chart 4-C**

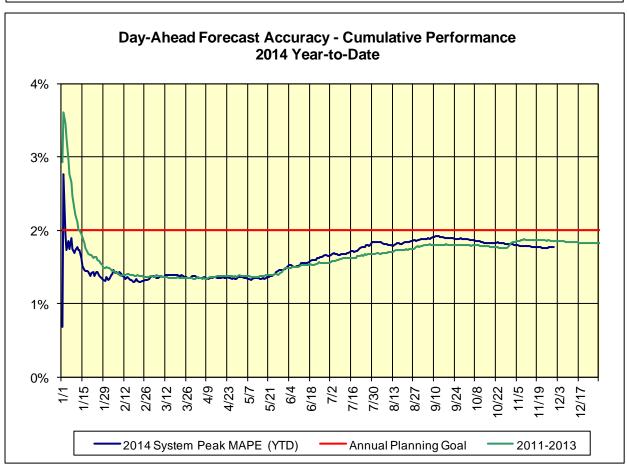
Chart - C Category Name	Billing Code	Billing Category Name
Bid Production Cost Guarantee Balancing	81203	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81204	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee 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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## Summary Description of Regulatory Filings, Investigations, Rulemakings and Related Orders in NYISO Matters – November 2014

Filing Date	Filing Summary	Docket	Order Date	Order Summary
02/26/2014	Technical conference re: discuss with interested parties whether or not to model Load Zone K as an export-constrained zone for future year ICAP Demand Curve reset proceedings	AD14-6-000	11/25/2014	FERC order directed NYISO to file an informational report by 06/01/2015
09/23/2014	NYISO compliance filing re: (1) website location of information necessary to support decisions regarding financial self-supply of Regulation Service and demonstrate that it is consistent with or superior to the requirement of Order No. 784; or (2) date that it will begin posting Area Control Error data and whether the data will be posted on a six-second or on a one-minute/ten-minute average basis	ER14-473-001	11/20/2014	FERC letter order accepted compliance filing.
10/03/2014	NYISO filing re: revisions to OATT Section 18 Attachment L, Table 1A Long Term Transmission Wheeling Agreements and Existing Transmission Facility Agreements	ER15-23-000	11/05/2014	FERC letter order accepted revisions, effective 12/02/2014, as requested
10/08/2014	NYISO compliance filing re: setting the tariff effective date for the accepted tariff revisions to implement External Coordinated Transaction Scheduling with ISO-NE	ER12-701-002	11/12/2014	FERC letter order accepted compliance filings, effective 10/22/2014, as requested
10/08/2014	NYISO compliance filing re: setting the tariff effective date for the accepted tariff revisions to implement External Coordinated Transaction Scheduling with PJM	ER14-552-001	11/12/2014	FERC letter order accepted compliance filings, effective 10/22/2014, as requested
10/08/2014	NYISO compliance filing re: setting the tariff effective date for credit-related tariff revisions necessary to implement External Coordinated Transaction Scheduling	ER14-2552-001	11/12/2014	FERC letter order accepted compliance filings, effective 10/22/2014, as requested
10/16/2014	NYISO filing re: notice of effective date for previously accepted tariff revisions to designate all of the Proxy Generator Buses between NYISO and PJM as Coordinated Transaction Scheduling Enabled Proxy Generator Buses.	ER14-552-002	11/21/2014	FERC letter order accepted filing effective 11/4/2014, as requested
10/16/2014	NYISO and PJM joint filing re: notice of effective date for revisions to the Joint Operating Agreement between NYISO and PJM for Coordinated Transaction Scheduling	ER14-2236-001	11/21/2014	FERC letter order accepted filing effective 11/4/2014, as requested

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	ISO/RTO Council filing re: response to FERC efforts to		
	identify and collect performance metric information from		
11/02/2011	ISOs/RTOs and public utilities in regions outside of		
11/03/2014	ISOs/RTOs	AD14-15-000	
	NYISO confidential PSC filing re: project tracking report	PSC Matter No.	
11/04/2014	dated 09/25/2014	10-02007	
	NYISO confidential PSC filing re: transmission security	PSC Matter No.	
11/04/2014	analysis dated 11/04/2014	10-02007	
11/04/2014		10-02007	
	NYISO filing re: written statements and presentation		
	materials for the joint FERC/NYPSC technical conference		
11/05/2014	on New York markets and infrastructure	AD14-18-000	
	NYISO filing re: answer to motion on remand of EPSA v.		
	FERC and comments in opposition on complaint of NRG		
4.4/00/004.4	Companies	EL14-55-000	
11/06/2014		EL14-55-000	
	NYISO filing re: comments in response to the 09/24/2014		
	NYS Register SAPA Notice I.D. No. PSC-38-14-00018-P,		
	entitled "New Electric Utility Demand Response Tariffs	PSC Case No.	
11/10/2014	May Be Adopted."	14-M-0101	
	NYISO filing re: tariff revisions to establish a distinct credit		
11/24/2014	requirement for external transactions	ER15-470-000	
	ISO/RTO Council filing re: comments on the proposed		
	changes to the gas operating day and scheduling		
	practices used by interstate pipelines to schedule natural		
11/25/2014	gas transportation service	RM14-2-000	
		2 000	
11/25/2014	NYISO amendment filing re: tariff revisions to establish a	ED45 470 004	
11/25/2014	distinct credit requirement for projected true-up exposure	ER15-470-001	
	NYISO filing re: clarifications to provisions regarding		
	eligibility for Day Ahead Margin Assurance Payments and		
	Real-Time Bid Production Cost Guarantees for units that		
11/25/2014	increase their minimum operating levels in real-time	ER15-483-000	
	NYISO filing re: OATT and MST revisions concerning the		
	graduated transmission demand curve and transmission		
11/25/2014			
11/25/2014	shortage costs	ER15-485-000	