

# Market Operations Report

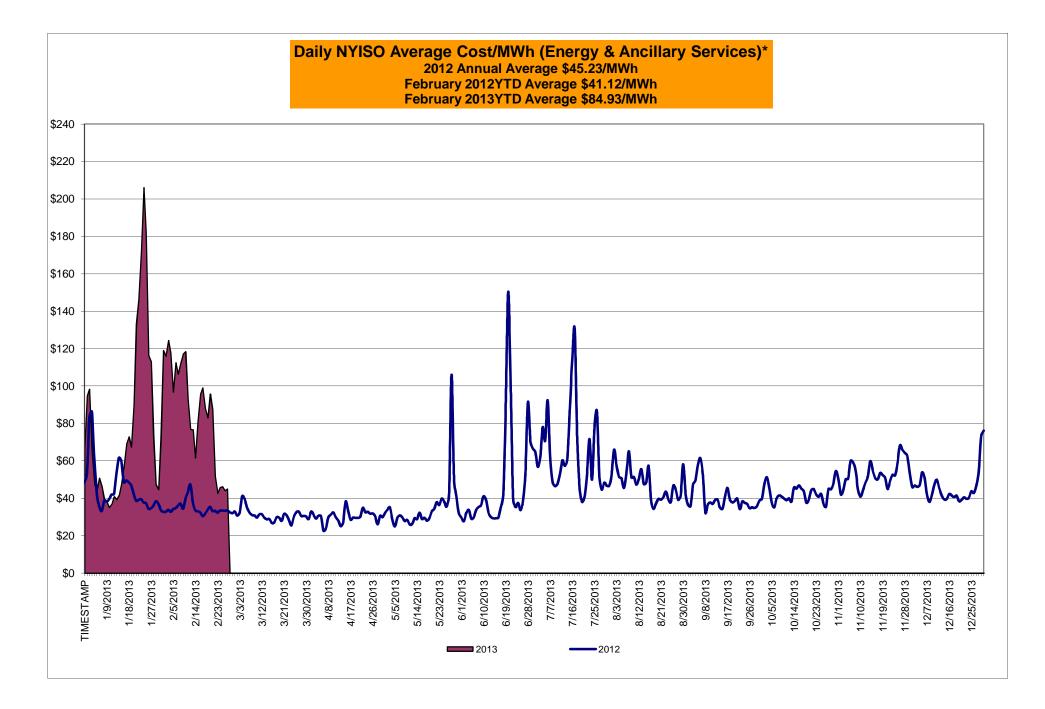
# Rana Mukerji

Senior Vice President, Market Structures New York Independent System Operator

Business Issues Committee Meeting March 13, 2013

## Market Performance Highlights for February 2013

- LBMP for February is \$85.69/MWh, higher than \$79.73/MWh in January, and significantly higher than \$32.45/MWh in February 2012.
  - Day Ahead Load Weighted LBMPs are higher compared to January.
  - Real Time Load Weighted LBMPs are lower compared to January.
- February 2013 average monthly cost of \$84.93/MWh is a marked increase from \$41.12/MWh in February 2012.
- Average daily sendout is 453GWh/day in February; flat month-over-month, and higher than 431 GWh/day in February 2012.
- Natural gas and distillate prices were slightly higher compared to the previous month.
  - Natural Gas (Transco Z6 NY) was \$10.39/MMBtu, up from \$9.98/MMBtu in January.
  - Jet Kerosene Gulf Coast was \$23.91/MMBtu, up from \$22.82/MMBtu in January.
  - Ultra Low Sulfur No.2 Diesel NY Harbor was \$23.19/MMBtu, up from \$22.14/MMBtu in January.
- Uplift per MWh is lower compared to the previous month.
  - Uplift (not including NYISO cost of operations) is (\$0.24)/MWh, lower than \$0.08/MWh in January.
    - The Local Reliability Share is \$0.40/MWh, comparable to \$0.41 in January.
    - The Statewide Share is (\$0.64)/MWh, lower than (\$0.33)/MWh in January.
  - TSA \$ per NYC MWh is \$0.00/MWh.
  - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than January.

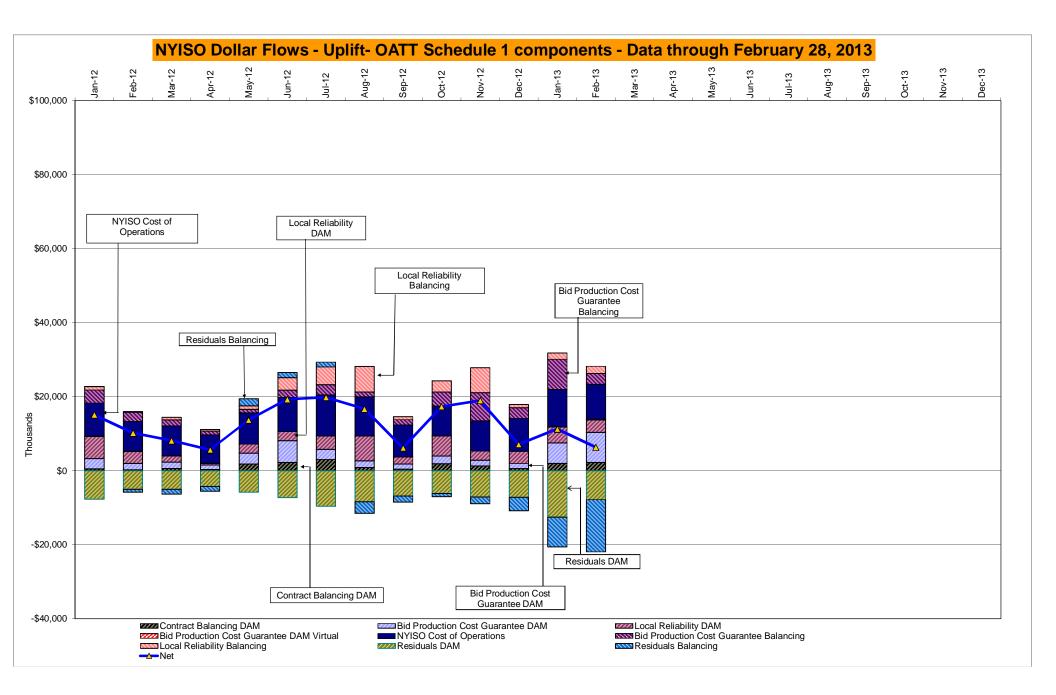


\* Excludes ICAP payments.

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

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2013	January	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	79.73	85.69										
NTAC	0.79	0.83										
Reserve	0.38	0.44										
Regulation	0.13	0.13										
NYISO Cost of Operations	0.69	0.69										
Uplift	0.08	(0.24)										
Uplift: Local Reliability Share	0.41	0.40										
Uplift: Statewide Share	(0.33)	(0.64)										
Voltage Support and Black Start	0.36	0.36										
Avg Monthly Cost	82.18	87.91										
Avg YTD Cost	82.18	84.93										
TSA \$ per NYC MWh	0.00	0.00										
2012	January	<u>February</u>	March	<u>April</u>	May	June	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
LBMP	44.00	32.45	28.98	28.31	34.68	47.37	63.80	46.24	<u>39.59</u>	39.28	50.15	44.68
NTAC	0.85	0.80	0.68	0.71	0.72	0.77	0.58	0.65	0.47	0.70	0.75	0.83
Reserve	0.35	0.25	0.38	0.32	0.12	0.36	0.36	0.22	0.23	0.29	0.40	0.25
Regulation	0.00	0.08	0.00	0.32	0.09	0.15	0.15	0.22	0.09	0.20	0.40	0.09
NYISO Cost of Operations	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.10	0.64	0.64
Uplift	0.44	0.04	0.00	(0.18)	(0.11)	0.61	0.23	0.22	(0.40)	0.71	0.79	(0.13)
Uplift: Local Reliability Share	0.49	0.27	0.19	0.07	0.25	0.42	0.49	0.83	0.20	0.66	0.69	0.29
Uplift: Statewide Share	(0.05)	(0.10)	(0.19)	(0.25)	(0.36)	0.42	(0.26)	(0.61)	(0.59)	0.00	0.03	(0.43)
Voltage Support and Black Start	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.00	0.37	0.37
<u> </u>	46.75		31.19	30.29	36.52		66.14			42.10	53.21	46.74
Avg Monthly Cost	40.75	34.75	31.19	30.29	30.52	50.27	66.14	48.46	41.00	42.10	53.21	46.74
Avg YTD Cost	46.75	41.12	37.96	36.09	36.18	38.89	44.26	44.91	44.50	44.29	45.10	45.23
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
2011	January	February	March	<u>April</u>	May	<u>June</u>	July	August	<u>September</u>	<u>October</u>	November	December
LBMP	74.91	55.60	46.98	46.44	48.49	60.33	75.76	56.04	46.86	42.49	38.97	39.73
NTAC	0.62	0.75	0.86	0.81	1.13	1.22	0.66	0.60	0.43	0.56	0.62	0.69
Reserve	0.44	0.50	0.41	0.43	0.48	0.28	0.28	0.13	0.25	0.41	0.26	0.28
Regulation	0.20	0.18	0.15	0.12	0.10	0.15	0.12	0.09	0.08	0.09	0.08	0.09
NYISO Cost of Operations	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Uplift	1.26	0.58	0.45	0.21	(0.02)	0.61	1.42	0.65	0.15	(0.21)	0.11	0.15
Uplift: Local Reliability Share	0.95	0.71	0.33	0.38	0.36	0.82	1.19	0.87	0.45	0.23	0.19	0.19
Uplift: Statewide Share	0.31	(0.12)	0.12	(0.18)	(0.38)	(0.21)	0.24	(0.21)	(0.30)	(0.44)	(0.08)	(0.05)
Voltage Support and Black Start	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Avg Monthly Cost	78.50	58.69	49.92	49.07	51.24	63.67	79.30	58.58	48.83	44.40	41.11	42.00
Avg YTD Cost	78.50	68.82	62.36	59.14	57.52	58.70	62.77	62.13	60.66	59.18	57.76	56.47
TSA \$ per NYC MWh	0.00	0.00	0.00	0.13	0.00	1.45	0.38	1.59	0.15	0.00	0.00	0.00
* Excludes ICAP payments. Market Mitigation and Analysis										Data reflects	true-ups thru Dec	ember 2012.

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				NYIS	O Market	s Transac	tions			
2013	January	February	March	April	May	<u>June</u>	<u>July</u>	August September	October November	December
Day Ahead Market MWh	15,140,096	14,116,189								
DAM LSE Internal LBMP Energy Sales	56%	55%								
DAM External TC LBMP Energy Sales	4%	6%								
DAM Bilateral - Internal Bilaterals	38%	37%								
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%								
DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%	1%								
DAM Bilateral - Wheel Through Bilaterals	1%	1%								
Balancing Energy Market MWh	-462,089	-641,428								
Balancing Energy LSE Internal LBMP Energy Sales	-131%	-117%								
Balancing Energy External TC LBMP Energy Sales	33%	21%								
Balancing Energy Bilateral - Internal Bilaterals	4%	10%								
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%								
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	5%	3%								
Balancing Energy Bilateral - Wheel Through Bilaterals	-12%	-16%								
Transactions Summary										
LBMP	59%	59%								
Internal Bilaterals	39%	39%								
Import Bilaterals	0%	0%								
Export Bilaterals	1%	1%								
Wheels Through	1%	0%								
Market Share of Total Load										
Day Ahead Market	103.1%	104.8%								
Balancing Energy +	-3.1%	-4.8%								
Total MWH	14,678,007	13,474,761								
Average Daily Energy Sendout/Month GWh	453	453								
<u>2012</u>	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August September	October November	December

2012	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	<u>November</u>	<u>December</u>
Day Ahead Market MWh	14,877,279	13,473,786	13,590,456	12,482,692	13,324,441	14,898,725	17,946,019	17,185,445	14,262,425	13,354,729	12,839,137	14,719,983
DAM LSE Internal LBMP Energy Sales	58%	57%	58%	59%	61%	63%	65%	63%	61%	60%	62%	57%
DAM External TC LBMP Energy Sales	1%	1%	0%	1%	1%	1%	1%	1%	0%	1%	3%	3%
DAM Bilateral - Internal Bilaterals	38%	40%	40%	38%	36%	35%	32%	34%	37%	38%	33%	37%
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%	2%	2%	2%	1%	1%	1%	1%	1%	1%	1%	1%
DAM Bilateral - Wheel Through Bilaterals	1%	0%	1%	1%	1%	1%	1%	1%	0%	0%	1%	1%
Balancing Energy Market MWh	-878,126	-816,828	-896,684	-371,022	-31,455	-534,794	-575,091	-528,572	-692,656	-759,328	15,462	-738,593
Balancing Energy LSE Internal LBMP Energy Sales	-110%	-111%	-110%	-126%	-561%	-129%	-126%	-138%	-121%	-125%	-1207%	-108%
Balancing Energy External TC LBMP Energy Sales	9%	7%	7%	20%	347%	22%	19%	30%	13%	19%	1212%	7%
Balancing Energy Bilateral - Internal Bilaterals	1%	1%	1%	4%	107%	8%	6%	4%	4%	3%	6%	0%
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	4%	3%	3%	7%	54%	3%	2%	2%	3%	3%	116%	3%
Balancing Energy Bilateral - Wheel Through Bilaterals	-3%	0%	-1%	-4%	-46%	-5%	0%	2%	1%	0%	-28%	-2%
Transactions Summary												
LBMP	57%	56%	55%	59%	61%	62%	65%	63%	59%	58%	65%	58%
Internal Bilaterals	41%	42%	43%	39%	36%	36%	33%	35%	39%	40%	33%	39%
Import Bilaterals	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Export Bilaterals	2%	2%	2%	2%	2%	1%	1%	1%	1%	2%	2%	2%
Wheels Through	1%	0%	1%	1%	1%	1%	1%	1%	1%	0%	1%	1%
Market Share of Total Load												
Day Ahead Market	106.3%	106.5%	107.1%	103.1%	100.2%	103.7%	103.3%	103.2%	105.1%	106.0%	99.9%	105.3%
Balancing Energy +	-6.3%	-6.5%	-7.1%	-3.1%	-0.2%	-3.7%	-3.3%	-3.2%	-5.1%	-6.0%	0.1%	-5.3%
Total MWH	13,999,153	12,656,958	12,693,772	12,111,670	13,292,986	14,363,931	17,370,928	16,656,873	13,569,769	12,595,401	12,854,599	13,981,390
Average Daily Energy Sendout/Month GWh	443	431	407	396	420	471	551	529	447	398	410	434
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+ Balancing Energy: Load(MW) purchased at Real Time LBMP.

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

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

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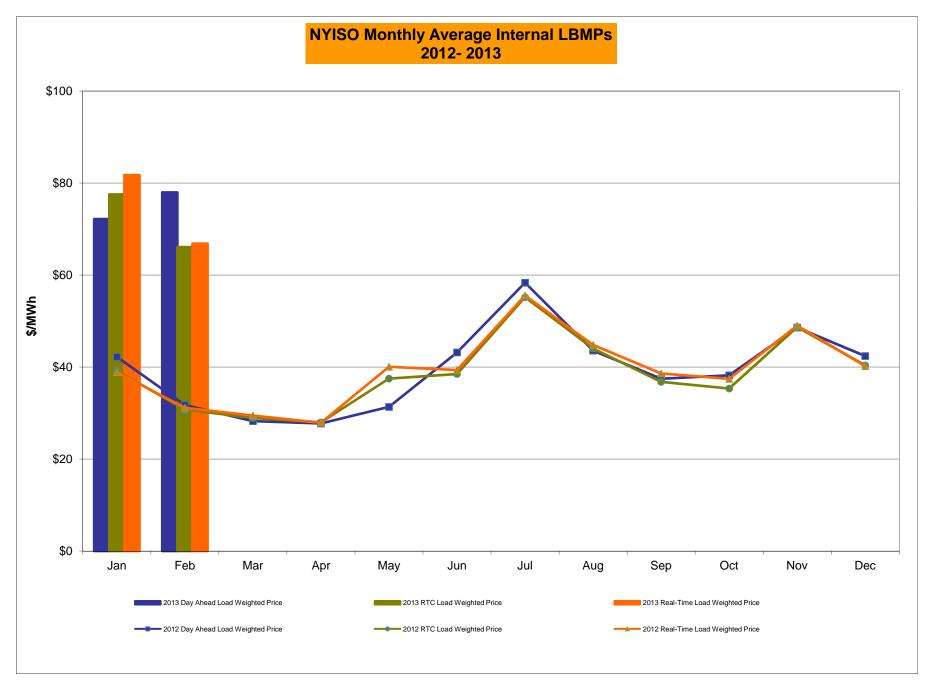
#### NYISO Markets 2013 Energy Statistics

	January	<b>February</b>	March	<u>April</u>	May	June	<u>July</u>	August September	October November December
DAY AHEAD LBMP									
Price *	\$69.17	\$75.82							
Standard Deviation	\$47.21	\$29.98							
Load Weighted Price **	\$72.17	\$77.95							
RTC LBMP									
Price *	\$73.69	\$64.15							
Standard Deviation	\$88.27	\$36.96							
Load Weighted Price **	\$77.52	\$66.07							
REAL TIME LBMP									
Price *	\$76.47	\$64.87							
Standard Deviation	\$83.80	\$38.96							
Load Weighted Price **	\$81.71	\$66.83							
Average Daily Energy Sendout/Month GWh	453	453							

#### NYISO Markets 2012 Energy Statistics

	<u>January</u>	February	March	<u>April</u>	May	June	July	August S	<u>September</u>	October	November [	December
DAY AHEAD LBMP	<b>.</b>	•	•	•	•	•	<b>.</b>	<b>.</b>	•	<b>.</b>	•	•
Price *	\$40.91	\$31.15	\$27.44	\$26.88	\$29.79	\$38.71	\$53.95	\$41.17	\$35.74	\$37.10	\$47.31	\$41.47
Standard Deviation	\$15.62	\$6.23	\$7.00	\$7.04	\$10.22	\$31.58	\$32.19	\$15.94	\$11.26	\$8.21	\$11.52	\$10.18
Load Weighted Price **	\$42.20	\$31.73	\$28.25	\$27.72	\$31.33	\$43.17	\$58.33	\$43.57	\$37.44	\$38.19	\$48.58	\$42.38
RTC LBMP												
Price *	\$37.93	\$30.31	\$28.15	\$27.19	\$34.27	\$34.58	\$51.05	\$41.79	\$34.76	\$34.11	\$46.72	\$39.13
Standard Deviation	\$23.43	\$7.26	\$22.87	\$15.67	\$46.03	\$57.26	\$60.86	\$22.90	\$23.14	\$19.02	\$33.25	\$22.23
Load Weighted Price **	\$39.19	\$30.75	\$28.93	\$27.97	\$37.49	\$38.48	\$55.17	\$44.03	\$36.77	\$35.33	\$48.69	\$40.37
REAL TIME LBMP												
Price *	\$37.35	\$30.54	\$28.47	\$27.00	\$35.22	\$34.29	\$50.68	\$41.95	\$36.05	\$36.24	\$47.35	\$39.17
Standard Deviation	\$23.75	\$9.77	\$20.94	\$15.14	\$56.38	\$55.53	\$51.60	\$23.86	\$26.89	\$14.43	\$27.30	\$14.67
Load Weighted Price **	\$38.88	\$31.14	\$29.44	\$27.89	\$40.06	\$39.34	\$55.54	\$44.81	\$38.59	\$37.43	\$48.98	\$40.19
Average Daily Energy Sendout/Month GWh	443	431	407	396	420	471	551	529	447	398	410	434

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



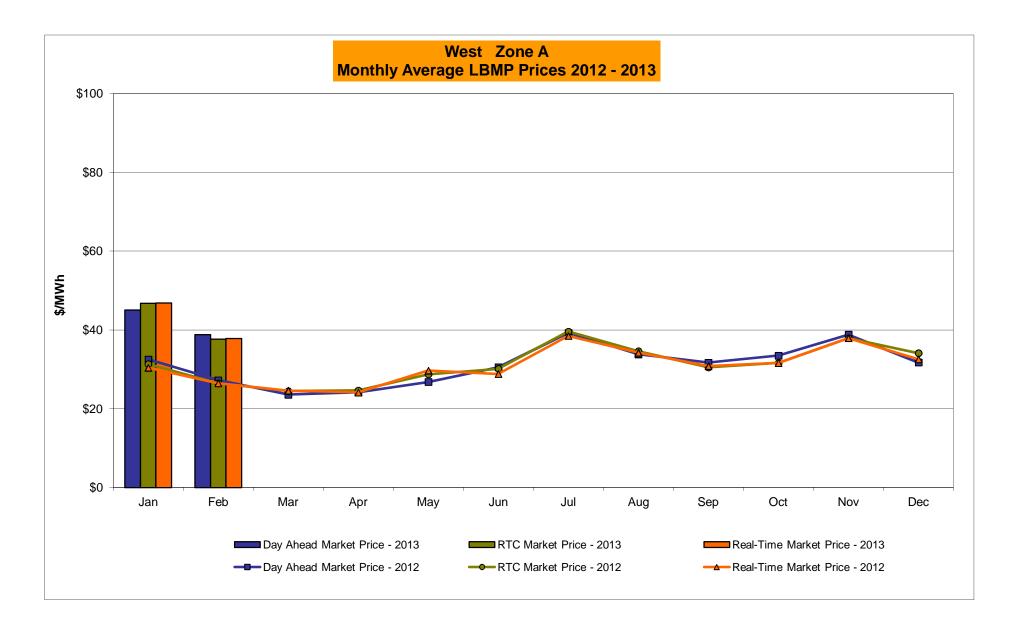
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#### February 2013 Zonal LBMP Statistics for NYISO (\$/MWh)

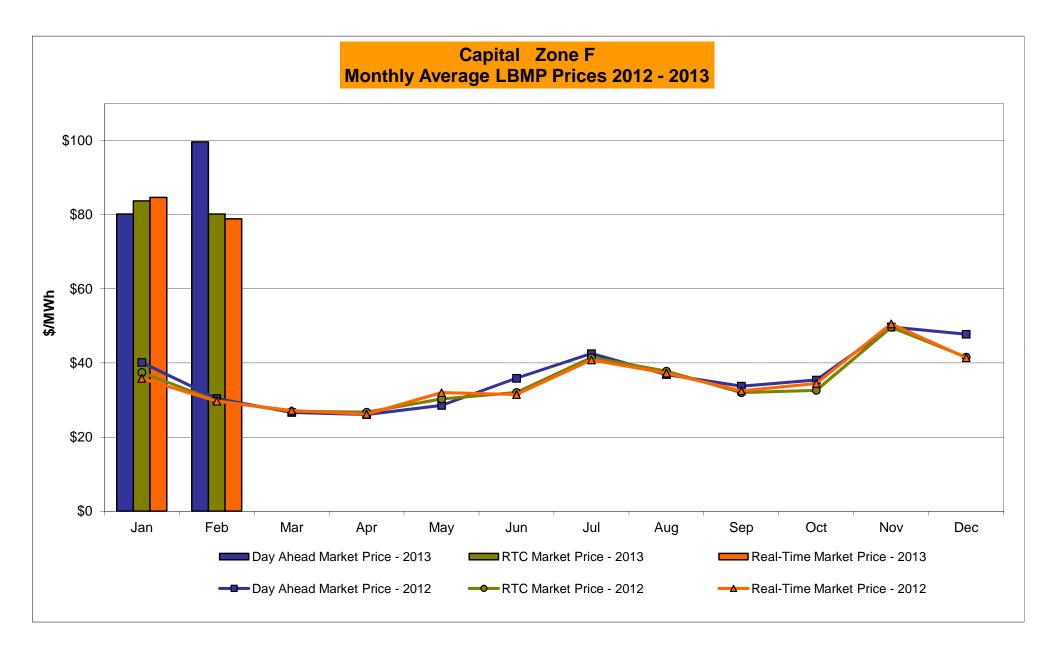
	WEST <u>Zone A</u>	GENESEE Zone B	NORTH <u>Zone D</u>	CENTRAL Zone C	MOHAWK VALLEY <u>Zone E</u>	CAPITAL Zone F	HUDSON VALLEY <u>Zone G</u>	MILLWOOD <u>Zone H</u>	DUNWOODIE <u>Zone I</u>	NEW YORK CITY <u>Zone J</u>	LONG ISLAND <u>Zone K</u>
DAY AHEAD LBMP Unweighted Price *	38.83	40.00	33.17	42.80	44.48	99.69	84.89	85.73	85.33	90.67	114.60
5					-						
Standard Deviation	10.58	17.56	20.43	18.22	19.48	44.51	35.07	35.53	35.29	39.21	51.98
RTC LBMP											
Unweighted Price *	37.70	38.90	32.96	41.05	42.63	80.19	70.42	70.93	70.58	74.23	93.83
Standard Deviation	24.32	30.60	34.22	30.72	32.48	50.57	42.01	42.37	42.07	44.75	60.48
REAL TIME LBMP											
Unweighted Price *	37.84	39.16	33.23	41.32	42.97	78.89	69.67	70.18	69.83	73.12	105.61
Standard Deviation	23.59	28.80	32.52	29.13	30.72	51.50	41.90	42.31	42.01	43.57	102.87

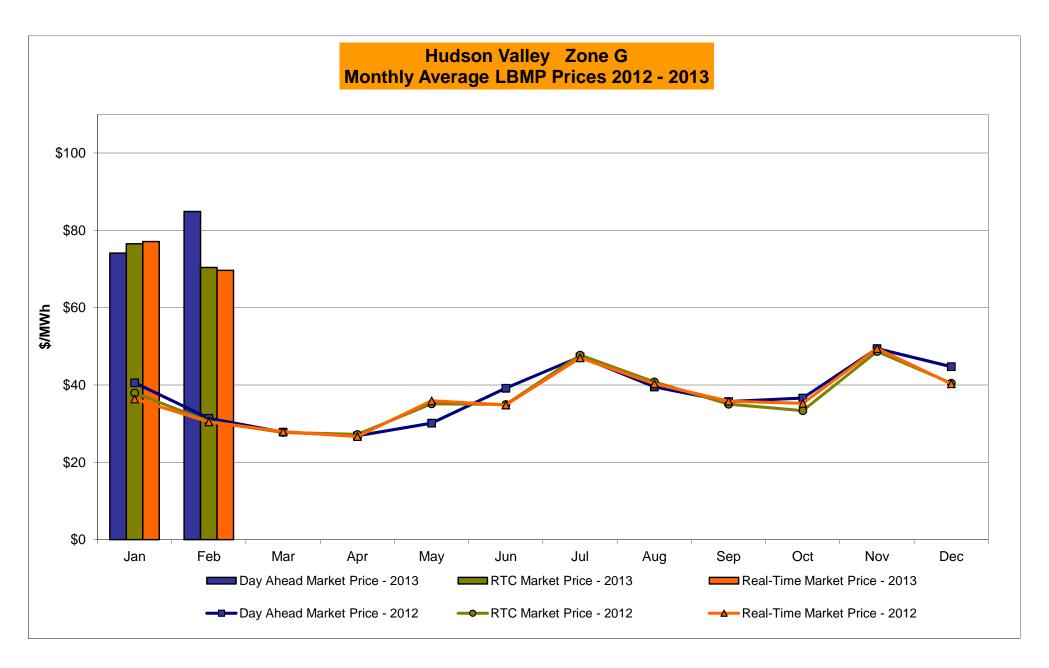
	ONTARIO IESO	HYDRO QUEBEC (Wheel)	HYDRO QUEBEC (Import/Export)	PJM	NEW ENGLAND	CROSS SOUND CABLE Controllable	NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT Controllable	Dennison
	Zone O	Zone M	Zone M	Zone P	Zone N	Line	Controllable Line	Controllable Line	<u>Line</u>	<u>Controllable</u> Line
DAY AHEAD LBMP										
Unweighted Price *	38.56	35.05	35.05	53.17	102.76	114.00	113.00	113.39	65.81	34.49
Standard Deviation	10.72	19.56	19.56	18.98	45.17	51.85	49.73	51.76	36.25	19.49
RTC LBMP										
Unweighted Price *	34.96	33.18	32.92	44.30	73.38	89.71	89.24	89.26	65.81	32.63
Standard Deviation	17.68	23.03	23.04	18.28	39.11	50.19	50.10	50.11	31.38	21.25
REAL TIME LBMP										
Unweighted Price *	37.94	35.18	34.96	45.70	99.80	101.46	98.71	102.73	65.47	35.15
Standard Deviation	24.98	29.97	30.01	23.76	55.76	98.24	96.17	100.78	55.12	27.79

\* Straight LBMP averages

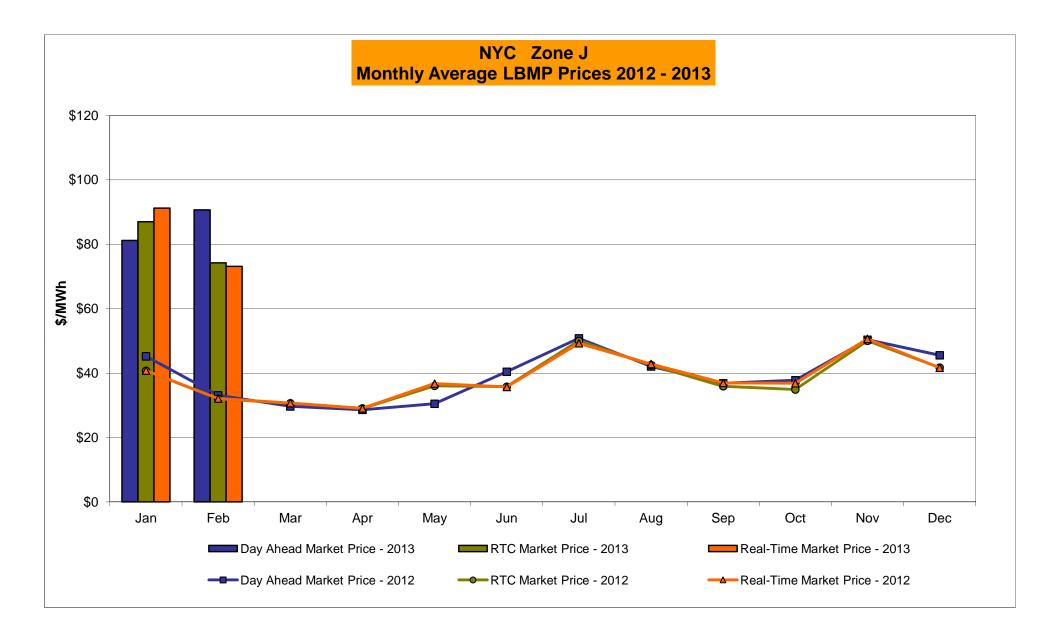


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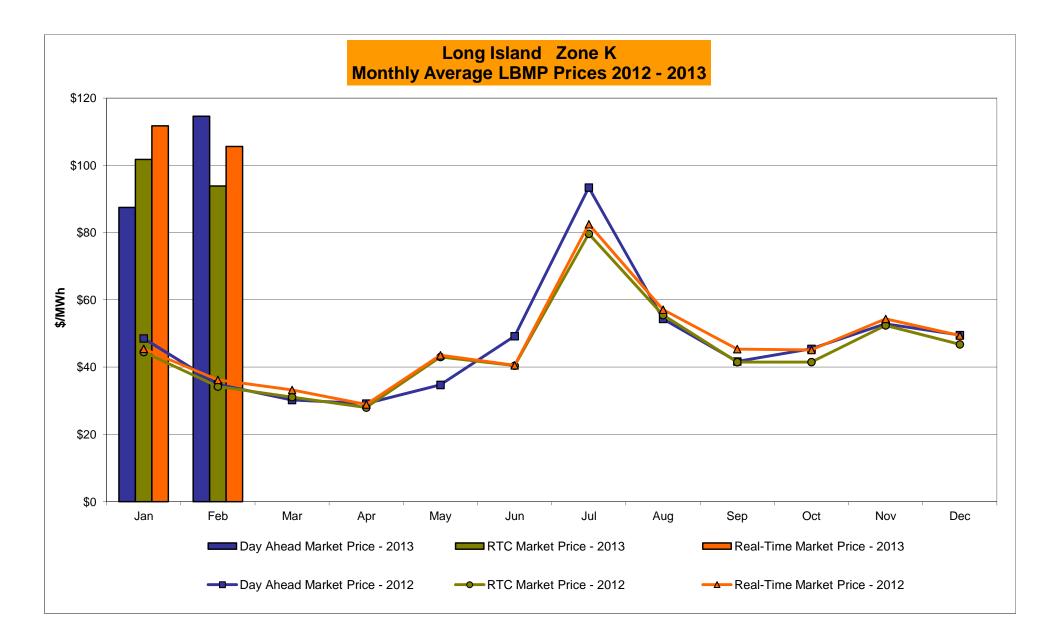




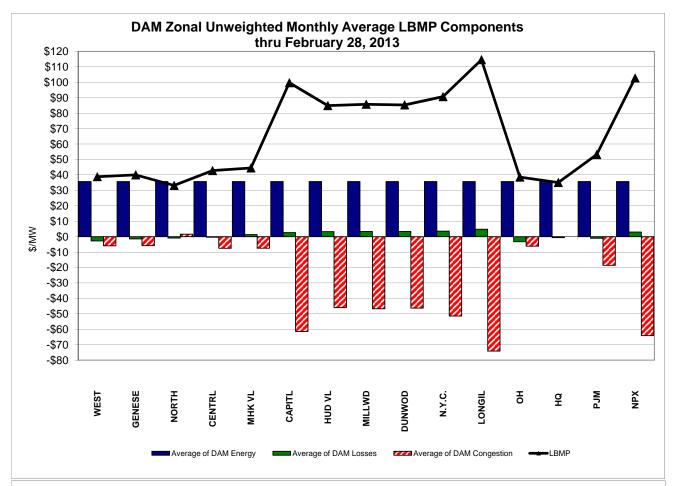
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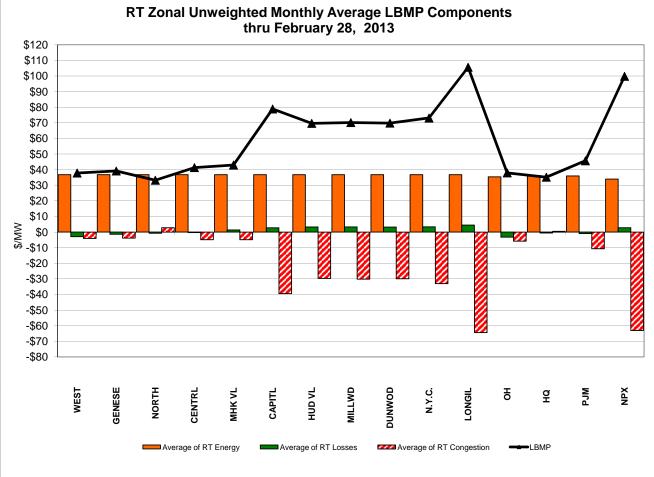


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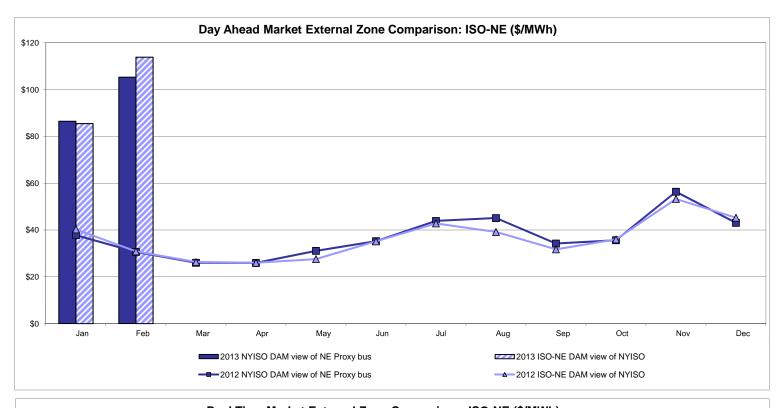
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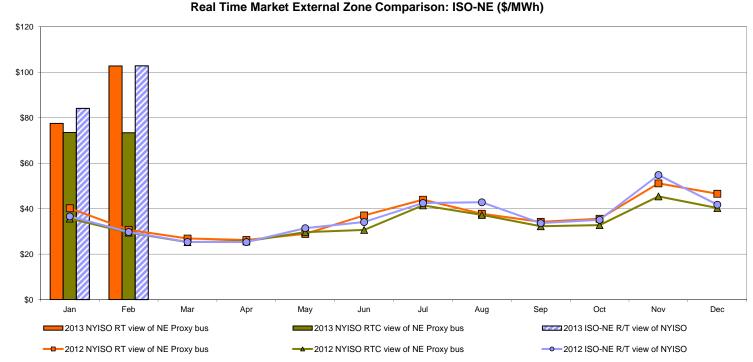




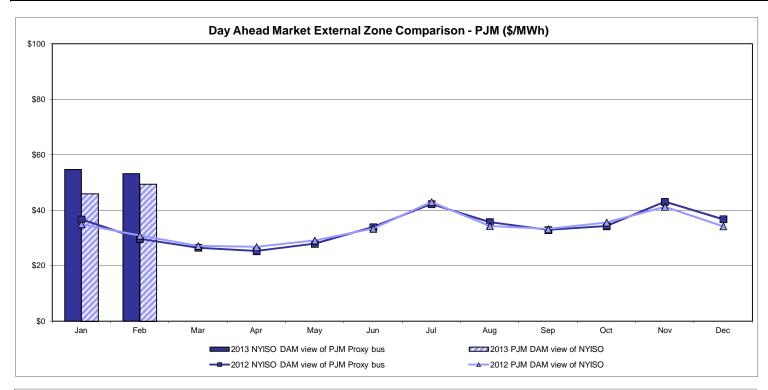
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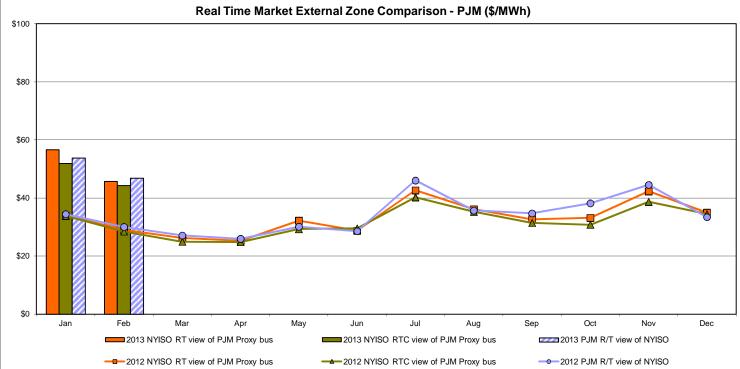
## **External Comparison ISO-New England**



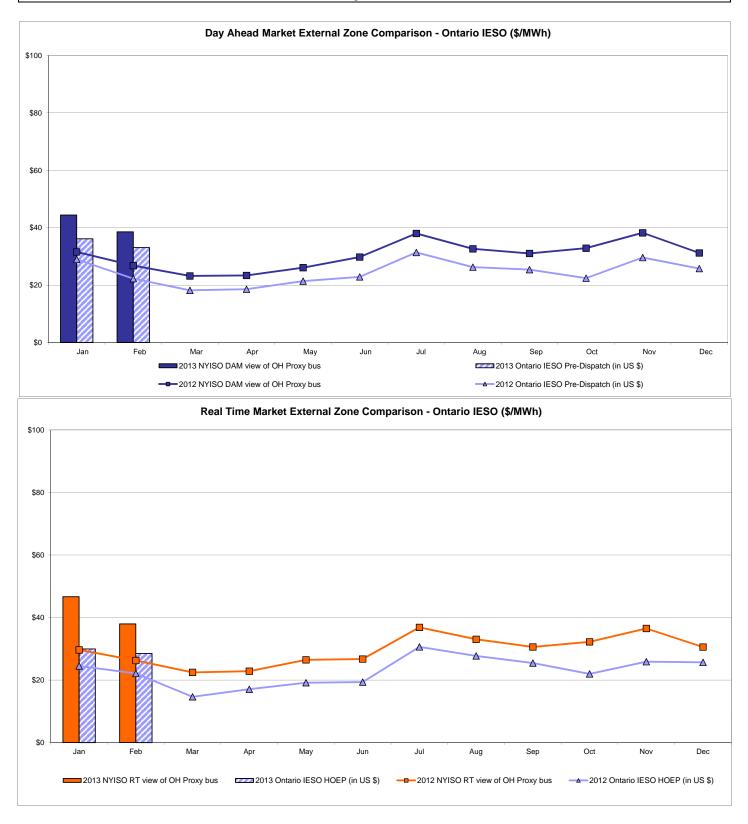


## **External Comparison PJM**

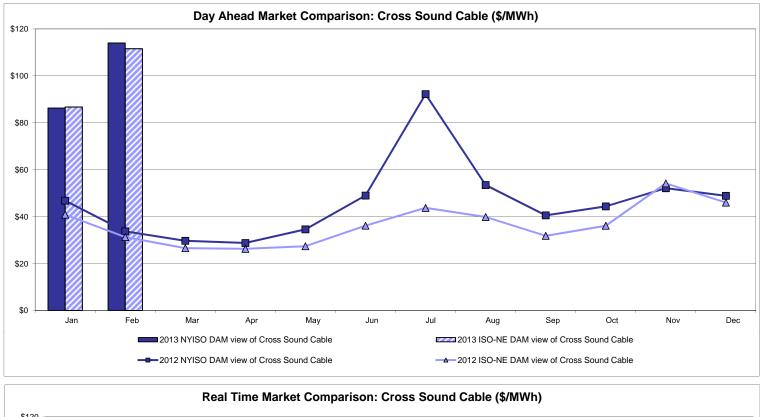




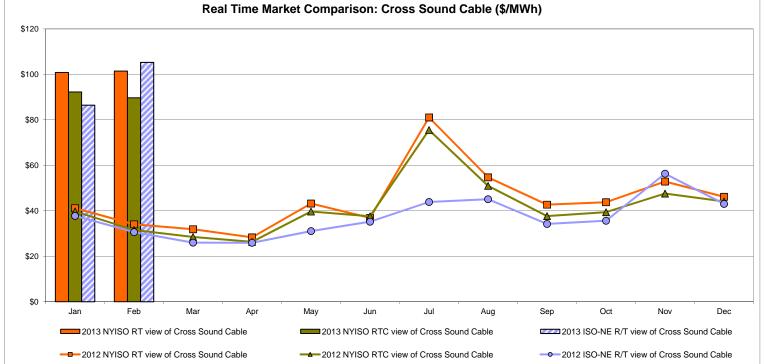
### **External Comparison Ontario IESO**



Notes: Exchange factor used for February 2013 was 0.9904 to US \$ HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price



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

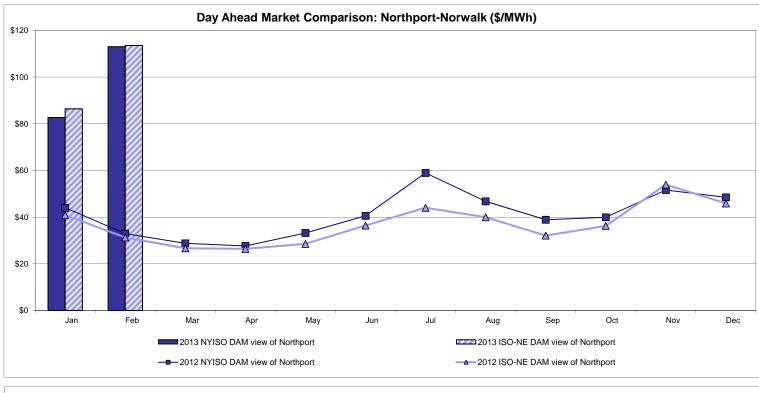


#### Note:

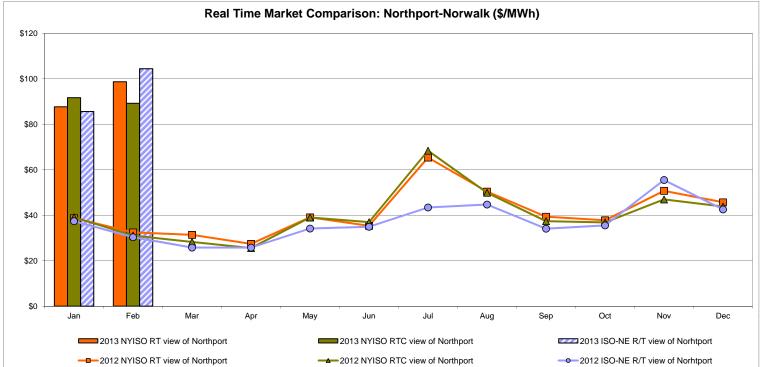
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)

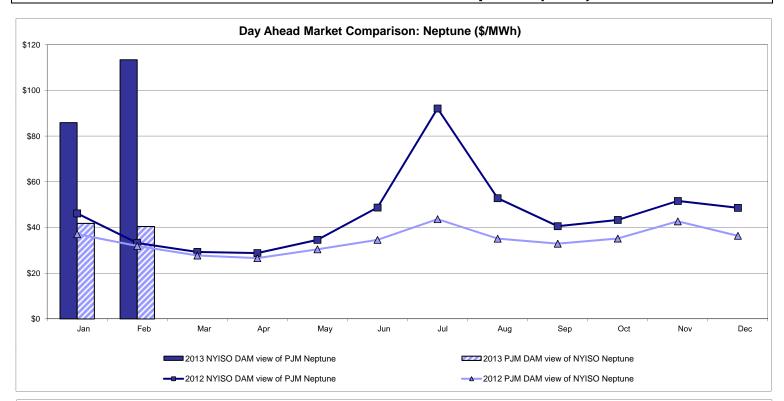


Note:

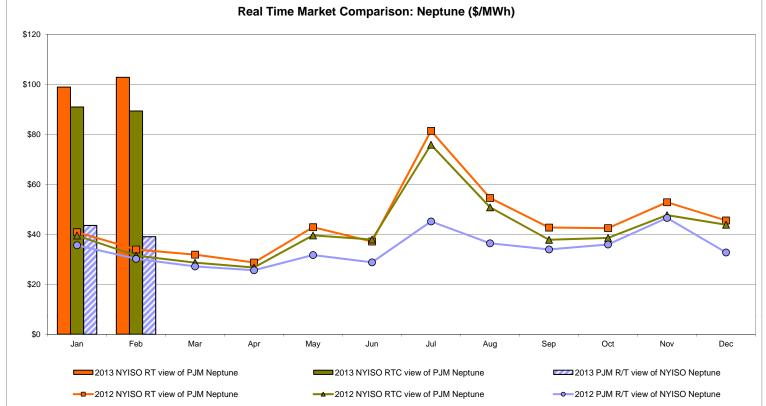
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

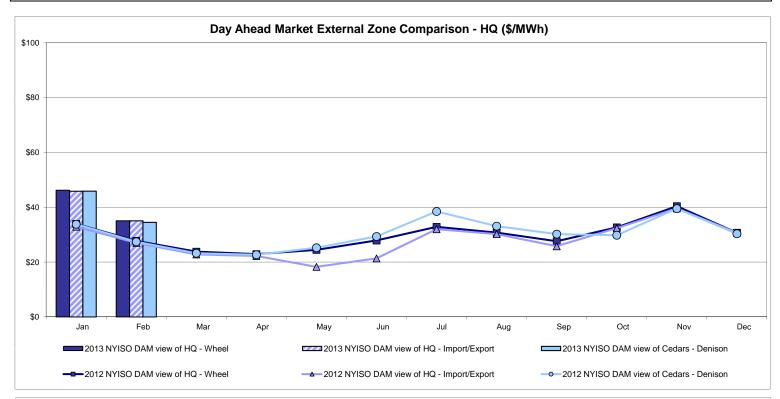
The DAM and R/T prices at the 1385 interface are used for NYISO.

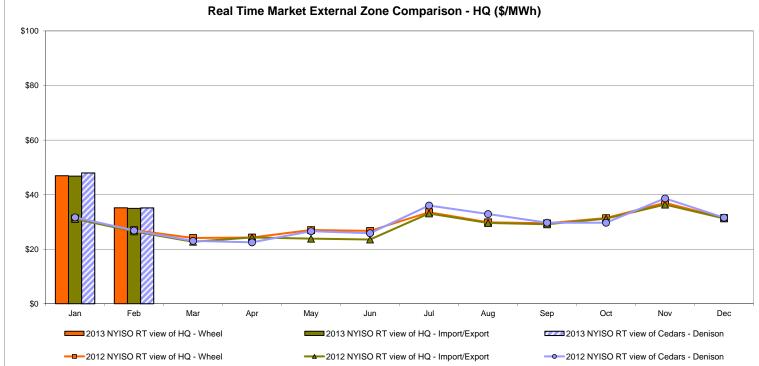


## External Controllable Line: Neptune (PJM)



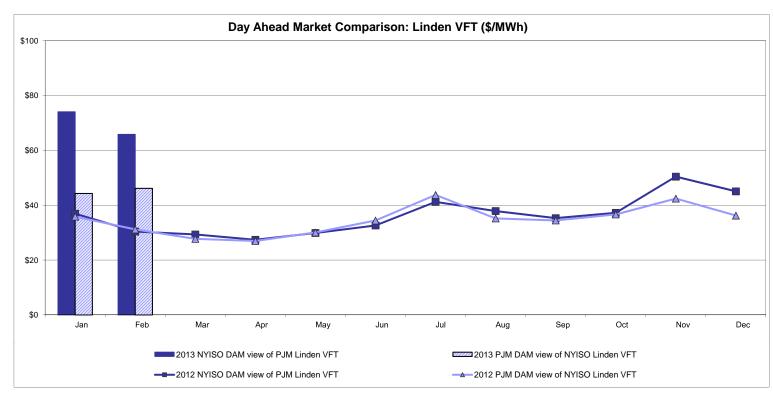
## **External Comparison Hydro-Quebec**





Note:

Hydro-Quebec Prices are unavailable.



#### Real Time Market Comparison: Linden VFT (\$/MWh) \$100 \$80 \$60 \$40 \$20 \$0 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2013 NYISO RT view of PJM Linden VFT 2013 NYISO RTC view of PJM Linden VFT 2013 PJM R/T view of NYISO Lindent VFT

## External Controllable Line: Linden VFT (PJM)

2012 NYISO RT view of PJM Linden VFT

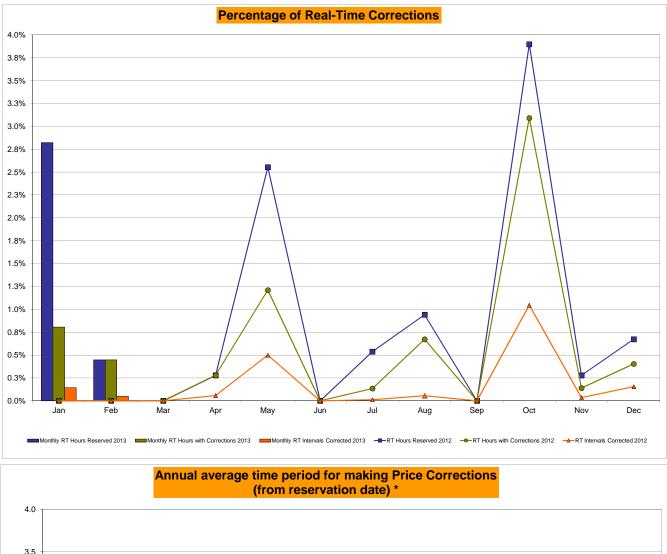
2012 NYISO RTC view of PJM Linden VFT

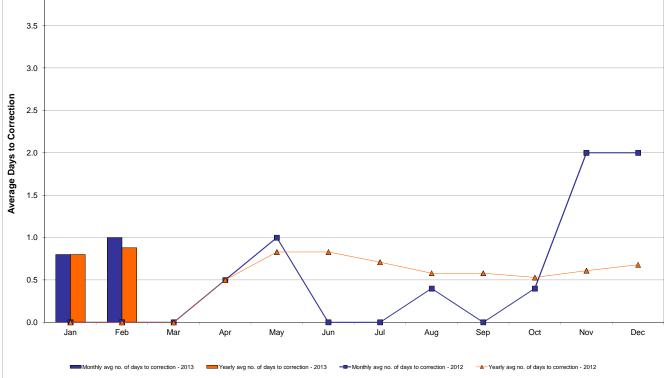
\_\_\_\_\_2012 PJM R/T view of NYISO Lindent VFT

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

<u>2013</u>		January	<u>February</u>	March	<u>April</u>	<u>May</u>	June	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
Hour Corrections	in the meanth	0	0										
Number of hours with corrections Number of hours	in the month in the month	6 744	3 672										
% of hours with corrections		744 0.81%	672 0.45%										
% of hours with corrections	in the month	0.01%	0.45%										
% of hours with corrections	year-to-date	0.81%	0.64%										
Interval Corrections													
Number of intervals corrected	in the month	13	4										
Number of intervals	in the month	9,104	8,230										
% of intervals corrected	in the month	0.14%	0.05%										
% of intervals corrected	year-to-date	0.14%	0.10%										
Hours Reserved													
Number of hours reserved	in the month	21	3										
Number of hours	in the month	744	672										
% of hours reserved	in the month	2.82%	0.45%										
% of hours reserved	year-to-date	2.82%	1.69%										
Days to Correction *													
Avg. number of days to correction	in the month	0.80	1.00										
Avg. number of days to correction	year-to-date	0.80	0.88										
Days Without Corrections													
Days without corrections	in the month	26	25										
Days without corrections	year-to-date	26	51										
2012		January	February	March	April	May	June	.tutv	August	September	October	November	December
2012 Hour Corrections		January	February	March	<u>April</u>	<u>May</u>	June	July	<u>August</u>	September	<u>October</u>	November	<u>December</u>
Hour Corrections	in the month	<u>.</u>						<u>July</u> 1				<u>November</u> 1	
	in the month in the month	0	0	0	2	<u>May</u> 9 744	0	1	5	0	<u>October</u> 23 744	1	December 3 744
Hour Corrections Number of hours with corrections		<u>.</u>				9					23		3
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	0 744 0.00%	0 696 0.00%	0 743 0.00%	2 720 0.28%	9 744 1.21%	0 720 0.00%	1 744 0.13%	5 744 0.67%	0 720 0.00%	23 744 3.09%	1 721 0.14%	3 744 0.40%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month	0 744	0 696	0 743	2 720	9 744	0 720	 1 744	5 744	0 720	23 744	1 721	3 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	0 744 0.00% 0.00%	0 696 0.00%	0 743 0.00%	2 720 0.28% 0.07%	9 744 1.21% 0.30%	0 720 0.00%	1 744 0.13%	5 744 0.67%	0 720 0.00%	23 744 3.09%	1 721 0.14% 0.51%	3 744 0.40%
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	0 744 0.00%	0 696 0.00% 0.00%	0 743 0.00% 0.00%	2 720 0.28%	9 744 1.21%	0 720 0.00% 0.25%	1 744 0.13% 0.23%	5 744 0.67% 0.29%	0 720 0.00% 0.26%	23 744 3.09% 0.55%	1 721 0.14%	3 744 0.40% 0.50%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected	in the month in the month year-to-date in the month	0 744 0.00% 0.00%	0 696 0.00% 0.00%	0 743 0.00% 0.00%	2 720 0.28% 0.07%	9 744 1.21% 0.30% 45	0 720 0.00% 0.25%	1 744 0.13% 0.23%	5 744 0.67% 0.29% 5	0 720 0.00% 0.26% 0	23 744 3.09% <u>0.55%</u> 94	1 721 0.14% 0.51% 3	3 744 0.40% 0.50%
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	0 744 0.00% <u>0.00%</u> 9,025 0.00%	0 696 0.00% 0.00% 0 8,399 0.00%	0 743 0.00% 0.00% 0 8,977 0.00%	2 720 0.28% 0.07% 5 8,716 0.06%	9 744 1.21% 0.30% 45 9,013 0.50%	0 720 0.00% 0.25% 0 8,786 0.00%	1 744 0.13% 0.23% 1 9,100 0.01%	5 744 0.67% 0.29% 5 9,044 0.06%	0 720 0.00% 0.26% 0 8,724 0.00%	23 744 3.09% 0.55% 94 8,987 1.05%	1 721 0.14% 0.51% 3 8,856 0.03%	3 744 0.40% <u>0.50%</u> 14 9,036 0.15%
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	0 744 0.00% 0.00% 0 9,025	0 696 0.00% 0.00% 0 8,399	0 743 0.00% 0.00% 0 8,977	2 720 0.28% 0.07% 5 8,716	9 744 1.21% 0.30% 45 9,013	0 720 0.00% 0.25% 0 8,786	1 744 0.13% <u>0.23%</u> 1 9,100	5 744 0.67% <u>0.29%</u> 5 9,044	0 720 0.00% 0.26% 0 8,724	23 744 3.09% 0.55% 94 8,987	1 721 0.14% 0.51% 3 8,856	3 744 0.40% 0.50% 14 9,036
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals         % of intervals corrected         % of intervals corrected         % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	0 744 0.00% <u>0.00%</u> 9,025 0.00%	0 696 0.00% 0.00% 0 8,399 0.00%	0 743 0.00% 0.00% 0 8,977 0.00%	2 720 0.28% 0.07% 5 8,716 0.06% 0.01%	9 744 1.21% 0.30% 45 9,013 0.50%	0 720 0.00% 0.25% 0 8,786 0.00%	1 744 0.13% 0.23% 1 9,100 0.01%	5 744 0.67% 0.29% 5 9,044 0.06%	0 720 0.00% 0.26% 0 8,724 0.00%	23 744 3.09% 0.55% 94 8,987 1.05%	1 721 0.14% 0.51% 3 8,856 0.03% 0.16%	3 744 0.40% <u>0.50%</u> 14 9,036 0.15%
Hour Corrections         Number of hours with corrections         Number 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 year-to-date	0 744 0.00% 0.00% 9,025 0.00% 0.00%	0 696 0.00% 0.00% 0 8,399 0.00% 0.00%	0 743 0.00% 0.00% 0 8,977 0.00% 0.00% 0	2 720 0.28% 0.07% 5 8,716 0.06% 0.01% 2	9 744 1.21% 0.30% 45 9,013 0.50% 0.11%	0 720 0.00% 0.25% 0 8,786 0.00% 0.09%	1 744 0.13% 0.23% 1 9,100 0.01% 0.08%	5 744 0.67% 0.29% 5 9,044 0.06% 0.08% 7	0 720 0.00% 0.26% 0 8,724 0.00% 0.07% 0	23 744 3.09% 0.55% 94 8,987 1.05% 0.17%	1 721 0.14% 0.51% 3 8,856 0.03% 0.16% 2	3 744 0.40% 0.50% 14 9,036 0.15% 0.16%
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals         % of intervals corrected         Mumber of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month	0 744 0.00% 0.00% 9,025 0.00% 0.00% 0 744	0 696 0.00% 0.00% 0 8,399 0.00% 0.00%	0 743 0.00% 0.00% 0 8,977 0.00% 0.00% 0 743	2 720 0.28% 0.07% 5 8,716 0.06% 0.01% 2 720	9 744 1.21% 0.30% 45 9,013 0.50% 0.11% 19	0 720 0.00% 0.25% 0 8,786 0.00% 0.09%	1 744 0.13% 0.23% 1 9,100 0.01% 0.08% 4	5 744 0.67% 0.29% 5 9,044 0.06% 0.08%	0 720 0.00% 0.26% 0 8,724 0.00% 0.07%	23 744 3.09% 0.55% 94 8,987 1.05% 0.17% 29	1 721 0.14% 0.51% 3 8,856 0.03% 0.16% 2 721	3 744 0.40% 0.50% 14 9,036 0.15% 0.16% 5
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Mumber of intervals corrected         Number of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         Mumber of 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 year-to-date in the month in the month in the month in the month	0 744 0.00% 0.00% 0 9,025 0.00% 0.00% 0 744 0.00%	0 696 0.00% 0.00% 0 8,399 0.00% 0.00% 0.00% 0 696 0.00%	0 743 0.00% 0.00% 0 8,977 0.00% 0.00% 0 743 0.00%	2 720 0.28% 0.07% 5 8,716 0.06% 0.01% 2 720 0.28%	9 744 1.21% 0.30% 45 9,013 0.50% 0.11% 19 744 2.55%	0 720 0.00% 0.25% 0 8,786 0.00% 0.09% 0 720 0.00%	1 744 0.13% 0.23% 1 9,100 0.01% 0.08% 4 744 0.54%	5 744 0.67% 0.29% 5 9,044 0.06% 0.08% 7 744 0.94%	0 720 0.00% 0.26% 0 8,724 0.00% 0.07% 0 720 0.00%	23 744 3.09% 0.55% 94 8,987 1.05% 0.17% 29 744 3.90%	1 721 0.14% 0.51% 3 8,856 0.03% 0.16% 2 721 0.28%	3 744 0.40% 0.50% 14 9,036 0.15% 0.16% 5 744 0.67%
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Mumber of intervals corrected         Number of intervals corrected         % of intervals corrected         Mumber of hours reserved         Number of hours reserved         % of hours reserved         % of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month	0 744 0.00% 0.00% 9,025 0.00% 0.00% 0 744	0 696 0.00% 0.00% 0 8,399 0.00% 0.00% 0.00%	0 743 0.00% 0.00% 0 8,977 0.00% 0.00% 0 743	2 720 0.28% 0.07% 5 8,716 0.06% 0.01% 2 720	9 744 1.21% 0.30% 45 9,013 0.50% 0.11% 19 744	0 720 0.00% 0.25% 0 8,786 0.00% 0.09% 0 720	1 744 0.13% 0.23% 1 9,100 0.01% 0.08% 4 744	5 744 0.67% 0.29% 5 9,044 0.06% 0.08% 7 744	0 720 0.00% 0.26% 0 8,724 0.00% 0.07% 0 720	23 744 3.09% 0.55% 94 8,987 1.05% 0.17% 29 744	1 721 0.14% 0.51% 3 8,856 0.03% 0.16% 2 721	3 744 0.40% 0.50% 14 9,036 0.15% 0.16% 5 744
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Mumber of intervals corrected         Number of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         Mumber of hours reserved         Number of hours reserved         % of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month year-to-date	0 744 0.00% 0.00% 9,025 0.00% 0.00% 0 744 0.00% 0.00%	0 696 0.00% 0.00% 0 8,399 0.00% 0.00% 0 696 0.00% 0.00%	0 743 0.00% 0.00% 0 8,977 0.00% 0.00% 0 743 0.00% 0.00%	2 720 0.28% 0.07% 5 8,716 0.06% 0.01% 2 720 0.28% 0.07%	9 744 1.21% 0.30% 45 9,013 0.50% 0.11% 19 744 2.55% 0.58%	0 720 0.00% 0.25% 0 8,786 0.00% 0.09% 0 720 0.00% 0.48%	1 744 0.13% 0.23% 1 9,100 0.01% 0.08% 4 744 0.54% 0.49%	5 744 0.67% 0.29% 5 9,044 0.06% 0.08% 7 744 0.94% 0.55%	0 720 0.00% 0.26% 0 8,724 0.00% 0.07% 0 720 0.00% 0.49%	23 744 3.09% 0.55% 94 8,987 1.05% 0.17% 29 744 3.90% 0.83%	1 721 0.14% 0.51% 3 8,856 0.03% 0.16% 2 721 0.28% 0.78%	3 744 0.40% 0.50% 14 9,036 0.15% 0.15% 0.16% 5 744 0.67% 0.77%
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Mumber of intervals corrected         Number of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         Mumber of hours reserved         Number of hours reserved         % of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month year-to-date in the month	0 744 0.00% 0.00% 9,025 0.00% 0.00% 0 744 0.00% 0.00% 0.00%	0 696 0.00% 0.00% 0 8,399 0.00% 0.00% 0 696 0.00% 0.00%	0 743 0.00% 0.00% 0 8,977 0.00% 0.00% 0 743 0.00% 0.00%	2 720 0.28% 0.07% 5 8,716 0.06% 0.01% 2 720 0.28% 0.07% 0.50	9 744 1.21% 0.30% 45 9,013 0.50% 0.11% 19 744 2.55% 0.58% 1.00	0 720 0.00% 0.25% 0 8,786 0.00% 0.09% 0 720 0.00% 0.48% 0.00	1 744 0.13% 0.23% 1 9,100 0.01% 0.08% 4 744 0.54% 0.49% 0.00	5 744 0.67% 0.29% 5 9,044 0.06% 0.08% 7 744 0.94% 0.55% 0.40	0 720 0.00% 0.26% 0 8,724 0.00% 0.07% 0 720 0.00% 0.49% 0.00	23 744 3.09% 0.55% 94 8,987 1.05% 0.17% 29 744 3.90% 0.83% 0.40	1 721 0.14% 0.51% 3 8,856 0.03% 0.16% 2 721 0.28% 0.78% 2.00	3 744 0.40% 0.50% 14 9,036 0.15% 0.15% 0.16% 5 744 0.67% 0.77% 2.00
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         Mumber of hours reserved         Number of hours reserved         % of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month year-to-date	0 744 0.00% 0.00% 9,025 0.00% 0.00% 0 744 0.00% 0.00%	0 696 0.00% 0.00% 0 8,399 0.00% 0.00% 0 696 0.00% 0.00%	0 743 0.00% 0.00% 0 8,977 0.00% 0.00% 0 743 0.00% 0.00%	2 720 0.28% 0.07% 5 8,716 0.06% 0.01% 2 720 0.28% 0.07%	9 744 1.21% 0.30% 45 9,013 0.50% 0.11% 19 744 2.55% 0.58%	0 720 0.00% 0.25% 0 8,786 0.00% 0.09% 0 720 0.00% 0.48%	1 744 0.13% 0.23% 1 9,100 0.01% 0.08% 4 744 0.54% 0.49%	5 744 0.67% 0.29% 5 9,044 0.06% 0.08% 7 744 0.94% 0.55%	0 720 0.00% 0.26% 0 8,724 0.00% 0.07% 0 720 0.00% 0.49%	23 744 3.09% 0.55% 94 8,987 1.05% 0.17% 29 744 3.90% 0.83%	1 721 0.14% 0.51% 3 8,856 0.03% 0.16% 2 721 0.28% 0.78%	3 744 0.40% 0.50% 14 9,036 0.15% 0.15% 0.16% 5 744 0.67% 0.77%
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals corrected         % of intervals corrected         Number of hours reserved         Number of hours reserved         % of hours reserved         % of hours reserved         % of hours reserved         Days to Correction *         Avg. 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 year-to-date in the month in the month in the month year-to-date in the month year-to-date	0 744 0.00% 0.00% 9,025 0.00% 0.00% 0.00% 0.00% 0.00% 0.00 0.00	0 696 0.00% 0.00% 0 8,399 0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0 743 0.00% 0.00% 0 8,977 0.00% 0.00% 0 743 0.00% 0.00% 0.00%	2 720 0.28% 0.07% 5 8,716 0.06% 0.01% 2 720 0.28% 0.07% 0.50 0.50	9 744 1.21% 0.30% 45 9,013 0.50% 0.11% 19 744 2.55% 0.58% 1.00 0.83	0 720 0.00% 0.25% 0 8,786 0.00% 0.09% 0 720 0.00% 0.48% 0.00 0.83	1 744 0.13% 0.23% 1 9,100 0.01% 0.08% 4 744 0.54% 0.49% 0.00 0.71	5 744 0.67% 0.29% 5 9,044 0.06% 0.08% 7 7 744 0.94% 0.55% 0.40 0.58	0 720 0.00% 0.26% 0 8,724 0.00% 0.07% 0 720 0.00% 0.49% 0.00 0.58	23 744 3.09% 0.55% 94 8,987 1.05% 0.17% 29 744 3.90% 0.83% 0.40 0.53	1 721 0.14% 0.51% 3 8,856 0.03% 0.16% 2 721 0.28% 0.78% 2.00 0.61	3 744 0.40% 0.50% 14 9,036 0.15% 0.15% 0.16% 5 744 0.67% 0.77% 2.00 0.68
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         Mumber of hours reserved         Number of hours reserved         % of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month year-to-date in the month	0 744 0.00% 0.00% 9,025 0.00% 0.00% 0 744 0.00% 0.00% 0.00%	0 696 0.00% 0.00% 0 8,399 0.00% 0.00% 0 696 0.00% 0.00%	0 743 0.00% 0.00% 0 8,977 0.00% 0.00% 0 743 0.00% 0.00%	2 720 0.28% 0.07% 5 8,716 0.06% 0.01% 2 720 0.28% 0.07% 0.50	9 744 1.21% 0.30% 45 9,013 0.50% 0.11% 19 744 2.55% 0.58% 1.00	0 720 0.00% 0.25% 0 8,786 0.00% 0.09% 0 720 0.00% 0.48% 0.00	1 744 0.13% 0.23% 1 9,100 0.01% 0.08% 4 744 0.54% 0.49% 0.00	5 744 0.67% 0.29% 5 9,044 0.06% 0.08% 7 744 0.94% 0.55% 0.40	0 720 0.00% 0.26% 0 8,724 0.00% 0.07% 0 720 0.00% 0.49% 0.00	23 744 3.09% 0.55% 94 8,987 1.05% 0.17% 29 744 3.90% 0.83% 0.40	1 721 0.14% 0.51% 3 8,856 0.03% 0.16% 2 721 0.28% 0.78% 2.00	3 744 0.40% 0.50% 14 9,036 0.15% 0.15% 0.16% 5 744 0.67% 0.77% 2.00

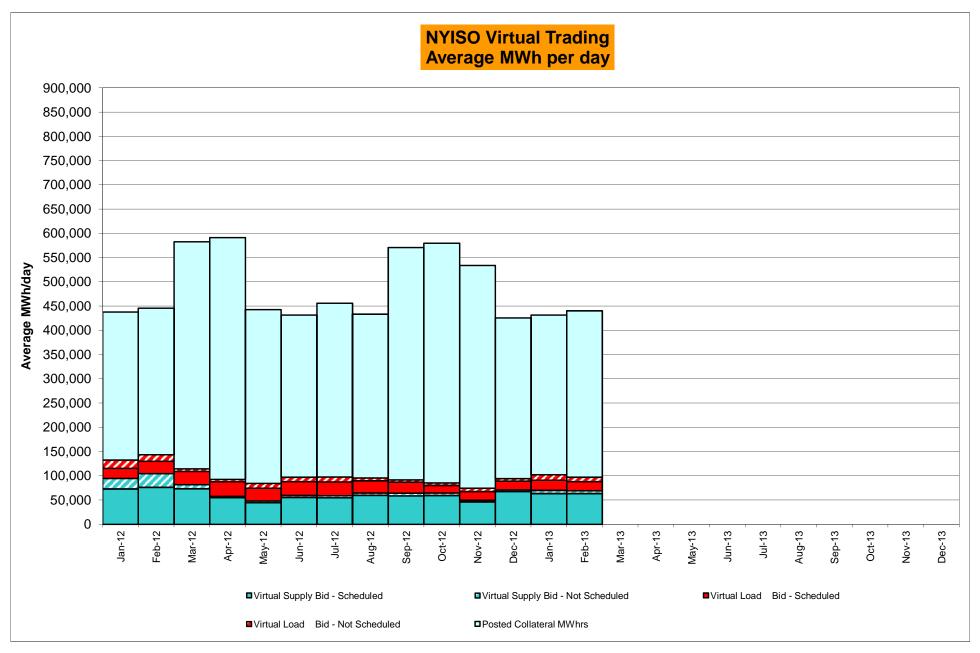
\* Calendar days from reservation date.

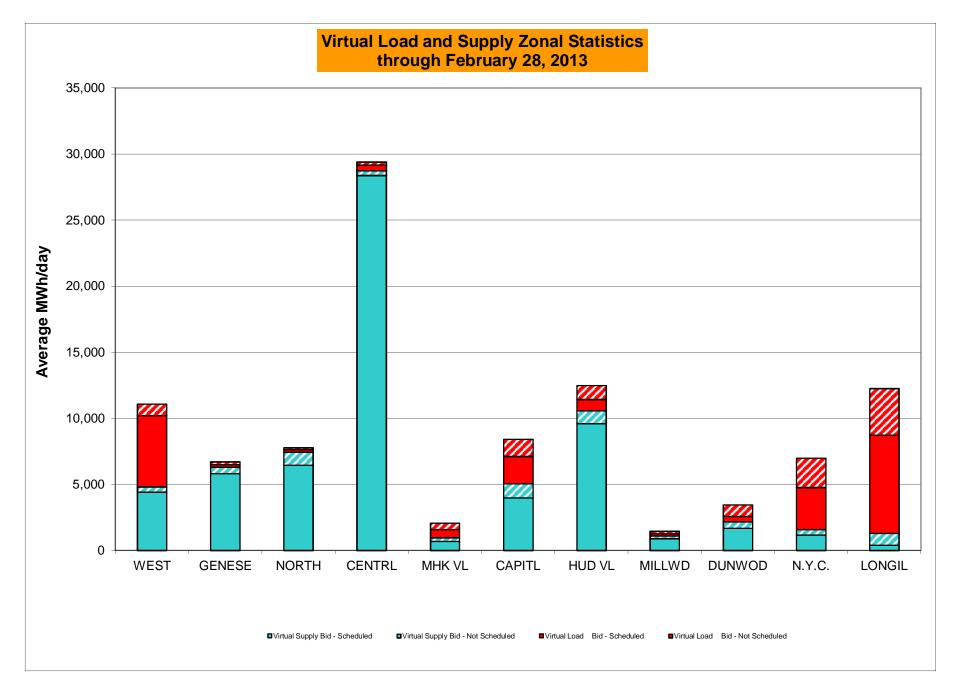




\* Calendar days from reservation date.

Market Mitigation and Analysis Prepared: 3/6/2013 12:52 PM

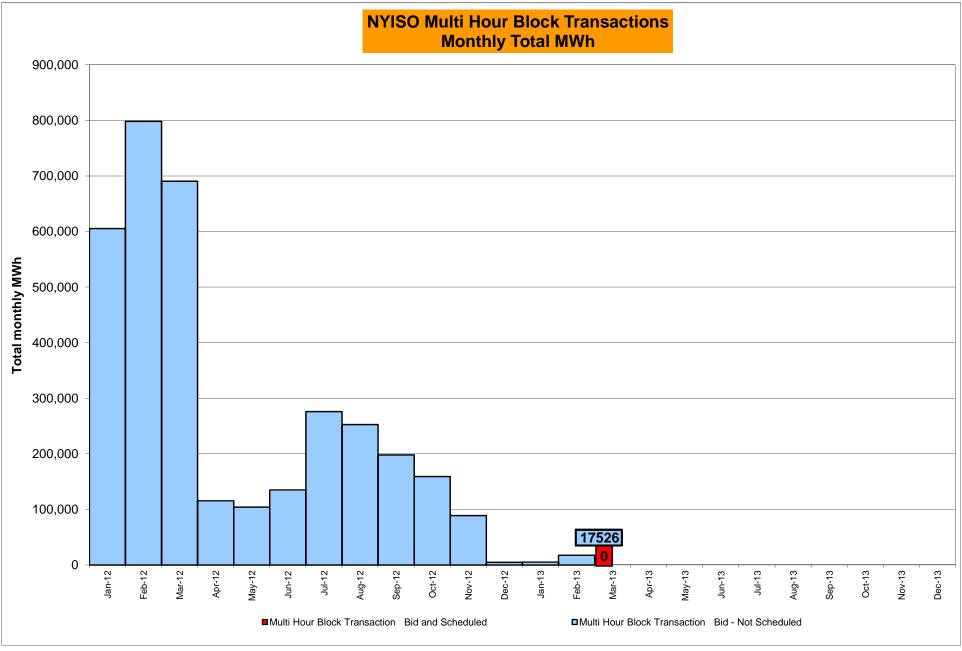




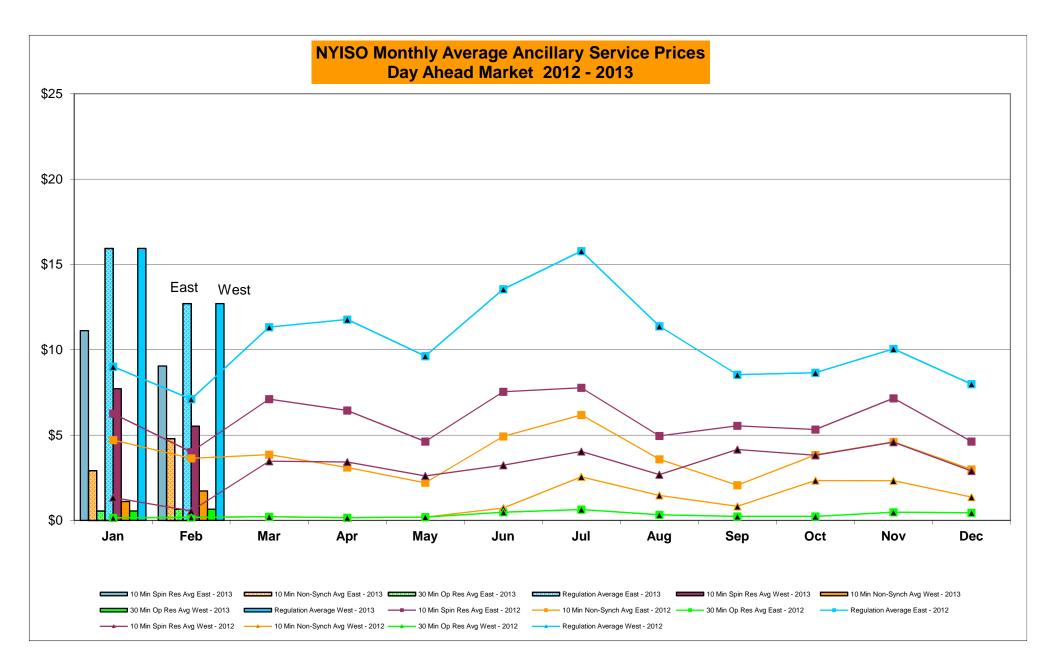
Market Mitigation and Analysis Prepared: 3/7/2013 2:27 PM

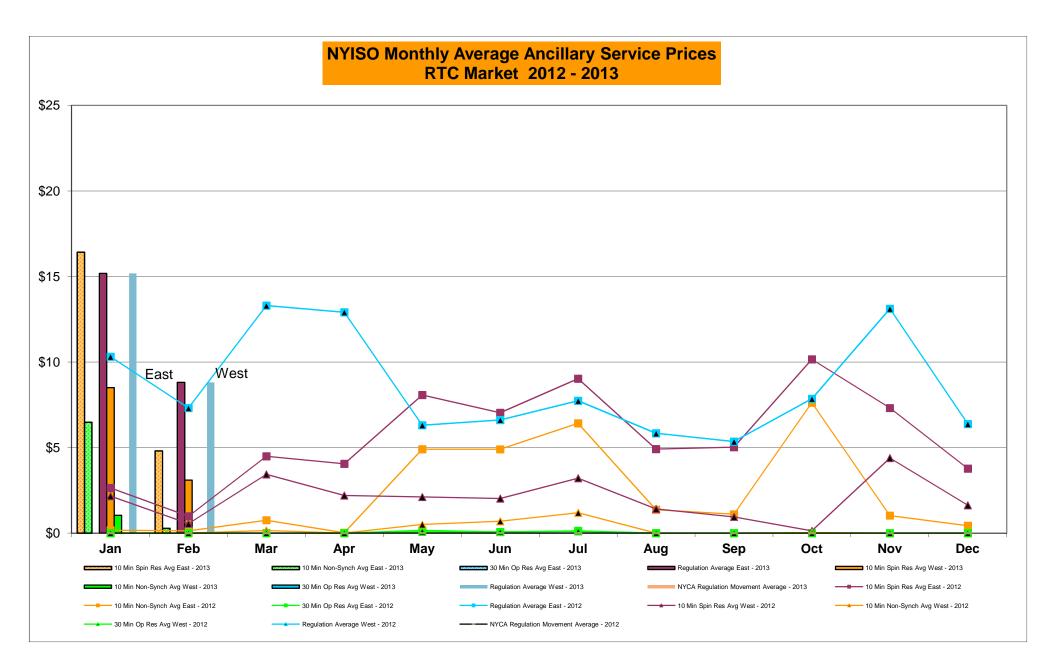
#### Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2013

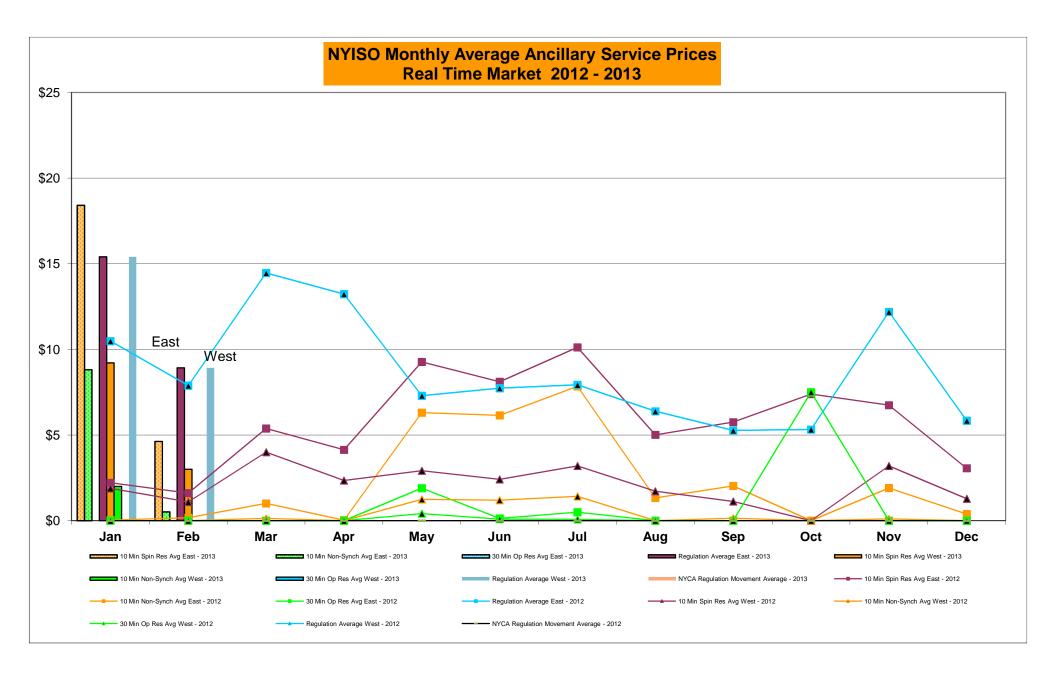
		Virtual L	oad Bid	Virtual S	upply Bid			Virtual L	.oad Bid	Virtual Su	apply Bid			Virtual L	.oad Bid	Virtual Sup	ply Bid
			Not		Not				Not		Not				Not		Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled S	Scheduled
WEST	Jan-13	5,393		4,402	409	MHK VL	Jan-13		477	695	273	DUNWOD	Jan-13			1,682	491
	Feb-13	3,366	263	3,940	151		Feb-13		324	370	72	_	Feb-13		294	2,570	1,216
	Mar-13						Mar-13						Mar-13				
	Apr-13						Apr-13						Apr-13				
	May-13						May-13						May-13				
	Jun-13						Jun-13					_	Jun-13				
	Jul-13						Jul-13						Jul-13				
	Aug-13						Aug-13						Aug-13				
	Sep-13 Oct-13						Sep-13 Oct-13					_	Sep-13 Oct-13				
	Nov-13						Nov-13						Nov-13				
	Dec-13						Dec-13					_	Dec-13				
	Dec-13						Dec-13						Dec-13				
GENESE	Jan-13	184	207	5,822	492	CAPITL	Jan-13	2,053	1,313	3,977	1,088	N.Y.C.	Jan-13	3,192	2,206	1,171	414
	Feb-13	238		5,305	266		Feb-13		1,148	5,323	585		Feb-13		2,187	689	450
	Mar-13			-,-,-			Mar-13		,	- ,		-	Mar-13		, , ,		
	Apr-13						Apr-13						Apr-13				
	May-13						May-13						May-13				
	Jun-13						Jun-13						Jun-13				
1	Jul-13						Jul-13						Jul-13				
	Aug-13						Aug-13						Aug-13				
	Sep-13						Sep-13					_	Sep-13				
	Oct-13						Oct-13						Oct-13				
	Nov-13						Nov-13						Nov-13				
	Dec-13						Dec-13						Dec-13				
NORTH	Jan-13	206	115	6,458	997	HUD VL	Jan-13	849	1,042	9,608	971	LONGIL	Jan-13	7,420	3,530	419	882
NOKIH	Feb-13	376			969	HODVL	Feb-13		684	10,729	819	LONGIL	Feb-13	,	3,439	419	682
	Mar-13	5/0	12	5,254	505		Mar-13			10,725	013		Mar-13		0,400		002
	Apr-13					_	Apr-13					_	Apr-13				
	May-13						May-13						May-13				
	Jun-13						Jun-13						Jun-13				
	Jul-13						Jul-13						Jul-13				
	Aug-13						Aug-13					_	Aug-13				
	Sep-13						Sep-13						Sep-13				
	Oct-13						Oct-13						Oct-13				
	Nov-13						Nov-13						Nov-13				
	Dec-13						Dec-13						Dec-13				
OFNER	law 40	400	044	00.005	0.40		1 40	170	100	00.4	014	11/100	1 40	00.000	44.005	00.540	0.570
CENTRL	Jan-13 Feb-13	436 794		28,385 27,674	349 231	MILLWD	Jan-13 Feb-13		162 250	894 1,250	214 184	NYISO	Jan-13 Feb-13		11,035	63,512 63,526	6,579
	Mar-13	794	499	27,074	231		Mar-13		250	1,250	184	_	Mar-13		9,219	63,526	5,626
	Apr-13						Apr-13						Apr-13				
	May-13						May-13						May-13				
	Jun-13						Jun-13						Jun-13				
	Jul-13					-	Jul-13						Jul-13				
	Aug-13					-	Aug-13						Aug-13				
	Sep-13						Sep-13					-	Sep-13				
	Oct-13						Oct-13					-	Oct-13				
	Nov-13						Nov-13					-	Nov-13				
	Dec-13						Dec-13						Dec-13				



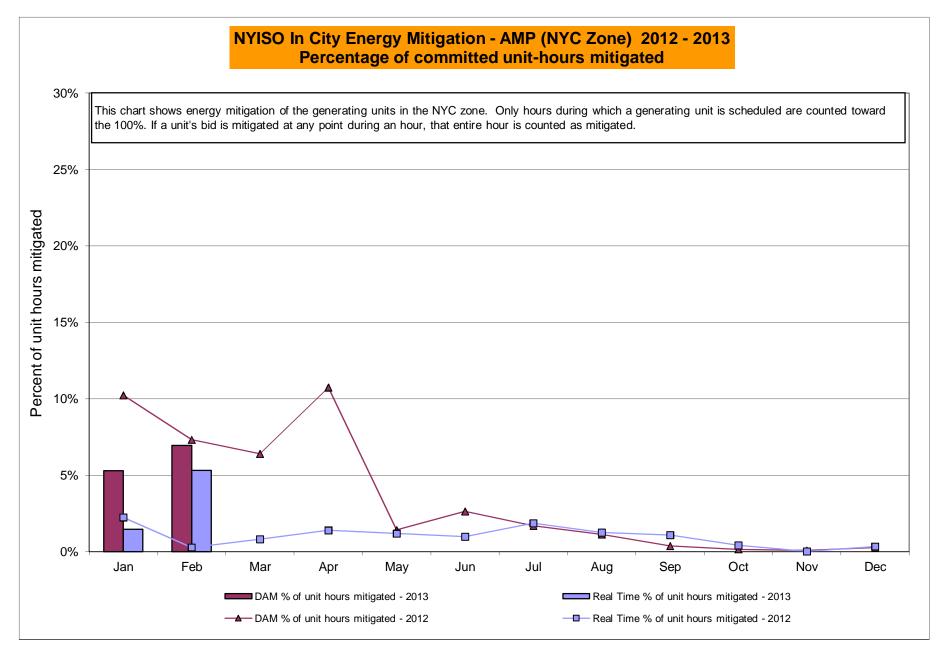
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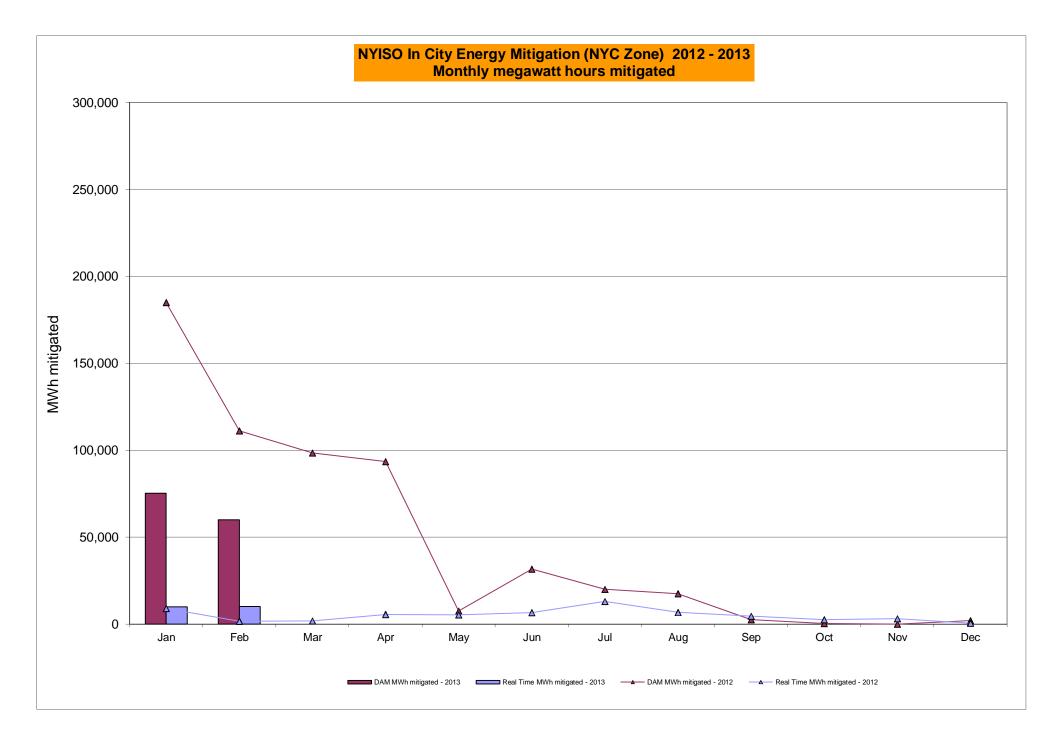


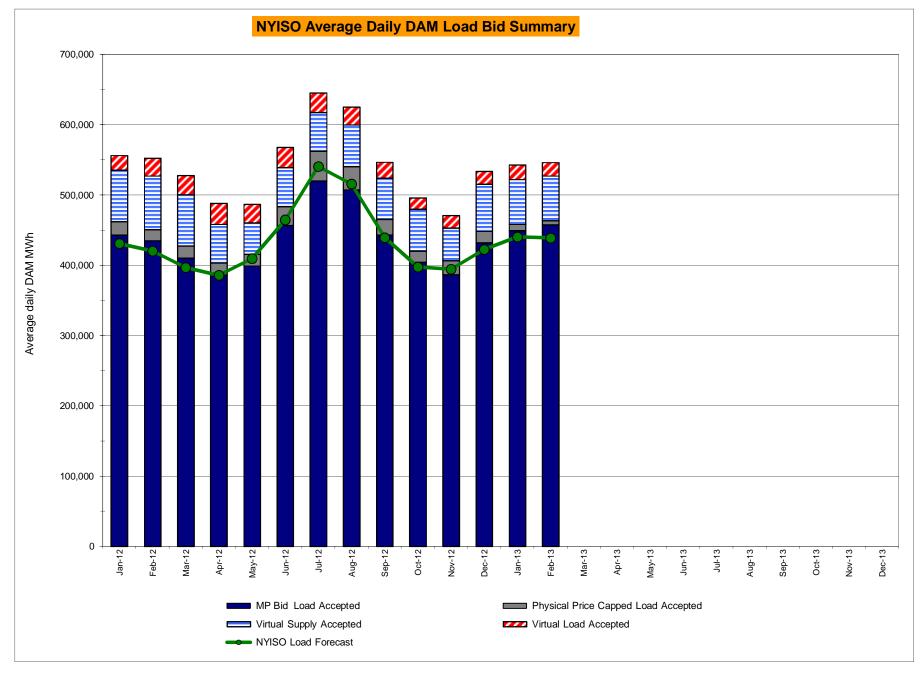


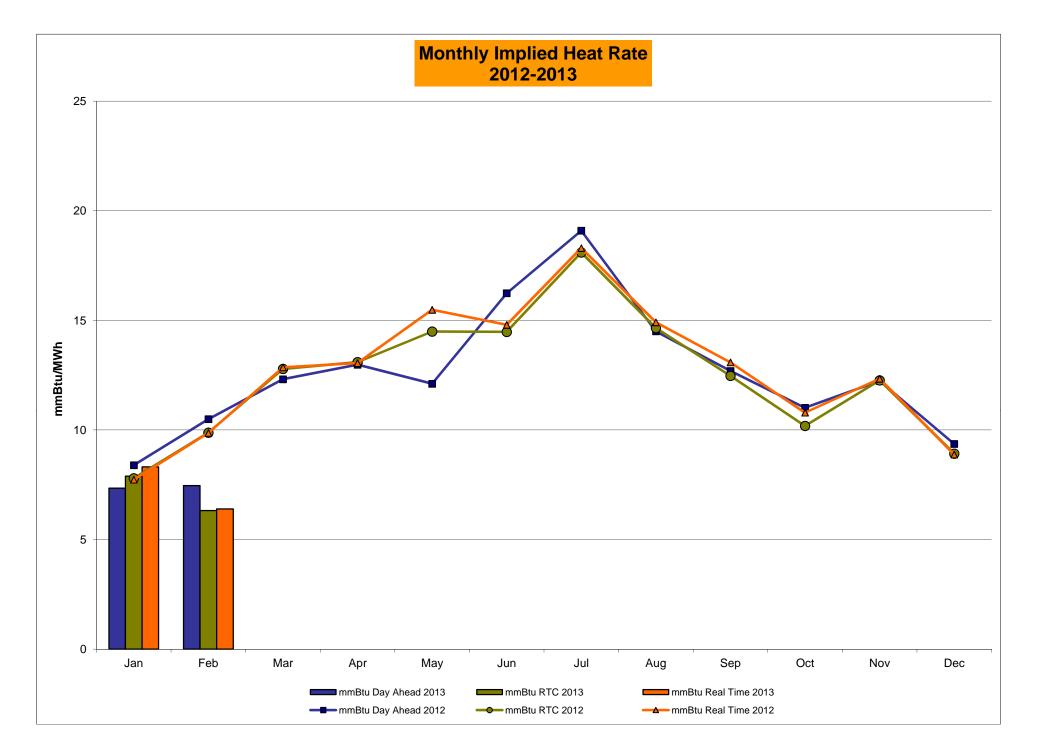


	<u>1</u>	VYISO Mark	ets Ancillar	<u>y Services</u>	Statistics	<ul> <li>Unweight</li> </ul>	ed Price (\$	<u>5/MWH)</u>				
<u>2013</u>	<u>January</u>	February	March	<u>April</u>	May	June	July	August	<u>September</u>	October	November	December
Day Ahead Market												
10 Min Spin East	11.12	9.05										
10 Min Spin West	7.72	5.53										
10 Min Non Synch East	2.91	4.79										
10 Min Non Synch West	1.11	1.73										
30 Min East	0.56	0.65										
30 Min West	0.56	0.65										
Regulation East	15.94	12.70										
Regulation West	15.94	12.70										
RTC Market												
10 Min Spin East	16.42	4.81										
10 Min Spin East												
	8.50	3.10										
10 Min Non Synch East	6.48	0.28										
10 Min Non Synch West	1.04	0.00										
30 Min East	0.00	0.00										
30 Min West	0.00	0.00										
Regulation East	15.18	8.81										
Regulation West	15.18	8.81										
NYCA Regulation Movement	0.00	0.00										
Real Time Market												
10 Min Spin East	18.42	4.63										
10 Min Spin West	9.22	3.00										
10 Min Non Synch East	8.81	0.52										
10 Min Non Synch West	2.00	0.00										
30 Min East	0.00	0.00										
30 Min West	0.00	0.00										
Regulation East	15.40	8.92										
Regulation West	15.40	8.92										
	0.00	0.00										
NYCA Regulation Movement												
2012	January	<u>February</u>	March	<u>April</u>	May	June	July	<u>August</u>	<u>September</u>	<u>October</u>	November	December
2012 Day Ahead Market	<u>January</u>	<u>February</u>							-			
2012 Day Ahead Market 10 Min Spin East	<u>January</u> 6.26	<u>February</u> 4.01	7.11	6.44	4.62	7.54	7.77	4.95	5.55	5.32	7.15	4.62
2012 Day Ahead Market 10 Min Spin East 10 Min Spin West	<u>January</u> 6.26 1.34	<u>February</u> 4.01 0.56	7.11 3.46	6.44 3.43	4.62 2.61	7.54 3.23	7.77 4.04	4.95 2.68	5.55 4.16	5.32 3.82	7.15 4.58	4.62 2.90
2012 Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East	<u>January</u> 6.26 1.34 4.71	<u>February</u> 4.01 0.56 3.64	7.11 3.46 3.85	6.44 3.43 3.11	4.62 2.61 2.21	7.54 3.23 4.92	7.77 4.04 6.18	4.95 2.68 3.58	5.55 4.16 2.07	5.32 3.82 3.84	7.15 4.58 4.60	4.62 2.90 2.99
2012 Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West	<u>January</u> 6.26 1.34 4.71 0.15	<u>February</u> 4.01 0.56 3.64 0.18	7.11 3.46 3.85 0.22	6.44 3.43 3.11 0.16	4.62 2.61 2.21 0.20	7.54 3.23 4.92 0.72	7.77 4.04 6.18 2.55	4.95 2.68 3.58 1.47	5.55 4.16 2.07 0.82	5.32 3.82 3.84 2.34	7.15 4.58 4.60 2.32	4.62 2.90 2.99 1.37
2012 Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East	<u>January</u> 6.26 1.34 4.71 0.15 0.15	February 4.01 0.56 3.64 0.18 0.18	7.11 3.46 3.85 0.22 0.22	6.44 3.43 3.11 0.16 0.16	4.62 2.61 2.21 0.20 0.20	7.54 3.23 4.92 0.72 0.48	7.77 4.04 6.18 2.55 0.64	4.95 2.68 3.58 1.47 0.33	5.55 4.16 2.07 0.82 0.23	5.32 3.82 3.84 2.34 0.23	7.15 4.58 4.60 2.32 0.48	4.62 2.90 2.99 1.37 0.45
2012 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	<u>January</u> 6.26 1.34 4.71 0.15 0.15 0.15	February 4.01 0.56 3.64 0.18 0.18 0.18	7.11 3.46 3.85 0.22 0.22 0.22	6.44 3.43 3.11 0.16 0.16 0.16	4.62 2.61 2.21 0.20 0.20 0.20	7.54 3.23 4.92 0.72 0.48 0.48	7.77 4.04 6.18 2.55 0.64 0.64	4.95 2.68 3.58 1.47 0.33 0.33	5.55 4.16 2.07 0.82 0.23 0.23	5.32 3.82 3.84 2.34 0.23 0.23	7.15 4.58 4.60 2.32 0.48 0.48	4.62 2.90 2.99 1.37 0.45 0.45
2012 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	<u>January</u> 6.26 1.34 4.71 0.15 0.15	February 4.01 0.56 3.64 0.18 0.18	7.11 3.46 3.85 0.22 0.22	6.44 3.43 3.11 0.16 0.16	4.62 2.61 2.21 0.20 0.20	7.54 3.23 4.92 0.72 0.48	7.77 4.04 6.18 2.55 0.64	4.95 2.68 3.58 1.47 0.33	5.55 4.16 2.07 0.82 0.23	5.32 3.82 3.84 2.34 0.23	7.15 4.58 4.60 2.32 0.48	4.62 2.90 2.99 1.37 0.45
2012 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	<u>January</u> 6.26 1.34 4.71 0.15 0.15 0.15	February 4.01 0.56 3.64 0.18 0.18 0.18	7.11 3.46 3.85 0.22 0.22 0.22	6.44 3.43 3.11 0.16 0.16 0.16	4.62 2.61 2.21 0.20 0.20 0.20	7.54 3.23 4.92 0.72 0.48 0.48	7.77 4.04 6.18 2.55 0.64 0.64	4.95 2.68 3.58 1.47 0.33 0.33	5.55 4.16 2.07 0.82 0.23 0.23	5.32 3.82 3.84 2.34 0.23 0.23	7.15 4.58 4.60 2.32 0.48 0.48	4.62 2.90 2.99 1.37 0.45 0.45
2012 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	<u>January</u> 6.26 1.34 4.71 0.15 0.15 0.15 9.01	February 4.01 0.56 3.64 0.18 0.18 0.18 7.11	7.11 3.46 3.85 0.22 0.22 0.22 11.33	6.44 3.43 3.11 0.16 0.16 0.16 11.77	4.62 2.61 2.21 0.20 0.20 0.20 9.63	7.54 3.23 4.92 0.72 0.48 0.48 13.55	7.77 4.04 6.18 2.55 0.64 0.64 15.78	4.95 2.68 3.58 1.47 0.33 0.33 11.38	5.55 4.16 2.07 0.82 0.23 0.23 8.54	5.32 3.82 3.84 2.34 0.23 0.23 8.65	7.15 4.58 4.60 2.32 0.48 0.48 10.05	4.62 2.90 2.99 1.37 0.45 0.45 7.99
2012 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	<u>January</u> 6.26 1.34 4.71 0.15 0.15 0.15 9.01	February 4.01 0.56 3.64 0.18 0.18 0.18 7.11	7.11 3.46 3.85 0.22 0.22 0.22 11.33	6.44 3.43 3.11 0.16 0.16 0.16 11.77	4.62 2.61 2.21 0.20 0.20 0.20 9.63	7.54 3.23 4.92 0.72 0.48 0.48 13.55	7.77 4.04 6.18 2.55 0.64 0.64 15.78	4.95 2.68 3.58 1.47 0.33 0.33 11.38	5.55 4.16 2.07 0.82 0.23 0.23 8.54	5.32 3.82 3.84 2.34 0.23 0.23 8.65	7.15 4.58 4.60 2.32 0.48 0.48 10.05	4.62 2.90 2.99 1.37 0.45 0.45 7.99
2012 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	<u>January</u> 6.26 1.34 4.71 0.15 0.15 0.15 9.01 9.01 9.01	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           0.99	7.11 3.46 3.85 0.22 0.22 0.22 11.33 11.33	6.44 3.43 3.11 0.16 0.16 0.16 11.77 11.77 4.05	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 4.91	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 8.54	5.32 3.82 3.84 2.34 0.23 0.23 8.65 8.65 8.65	7.15 4.58 4.60 2.32 0.48 0.48 10.05 10.05 7.31	4.62 2.90 2.99 1.37 0.45 0.45 7.99 7.99 3.77
2012 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	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           0.99           0.55	7.11 3.46 3.85 0.22 0.22 11.33 11.33 4.49 3.43	6.44 3.43 3.11 0.16 0.16 0.16 11.77 11.77 4.05 2.20	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07 2.11	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 4.91 1.41	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95	5.32 3.82 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13	7.15 4.58 4.60 2.32 0.48 0.48 10.05 10.05 7.31 4.39	4.62 2.99 1.37 0.45 0.45 7.99 7.99 3.77 1.63
2012 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 Spin West	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17	February 4.01 0.56 3.64 0.18 0.18 7.11 7.11 0.99 0.55 0.13	7.11 3.46 3.85 0.22 0.22 11.33 11.33 4.49 3.43 0.75	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07 2.11 4.90	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 4.91 1.41 1.36	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10	5.32 3.82 3.84 0.23 0.23 8.65 8.65 10.16 0.13 7.62	7.15 4.58 4.60 2.32 0.48 0.48 10.05 10.05 7.31 4.39 1.02	4.62 2.90 1.37 0.45 0.45 7.99 7.99 3.77 1.63 0.43
2012 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 <b>RTC Market</b> 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           0.99           0.55           0.13           0.00	7.11 3.46 3.85 0.22 0.22 0.22 11.33 11.33 11.33 4.49 3.43 0.75 0.15	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07 2.11 4.90 0.50	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90 0.69	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42 1.19	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 4.91 1.41 1.36 0.00	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00	5.32 3.82 3.84 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03	7.15 $4.58$ $4.60$ $2.32$ $0.48$ $0.48$ $10.05$ $10.05$ $7.31$ $4.39$ $1.02$ $0.00$	4.62 2.90 2.99 1.37 0.45 0.45 7.99 7.99 3.77 1.63 0.43 0.00
2012 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 10 Min Spin East 10 Min Spin West 10 Min Synch East 10 Min Non Synch West 30 Min East	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00	February           4.01           0.56           3.64           0.18           0.18           7.11           0.99           0.55           0.13           0.00	7.11 3.46 3.85 0.22 0.22 11.33 11.33 11.33 4.49 3.43 0.75 0.15 0.00	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07 2.11 4.90 0.50 0.16	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42 1.19 0.13	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 4.91 1.41 1.36 0.00 0.00	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00	5.32 3.82 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00	7.15 $4.58$ $4.60$ $2.32$ $0.48$ $10.05$ $10.05$ $7.31$ $4.39$ $1.02$ $0.00$ $0.00$	4.62 2.90 2.99 1.37 0.45 0.45 7.99 7.99 3.77 1.63 0.43 0.00 0.00
2012 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 30 Min West	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00 0.00	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           0.99           0.55           0.13           0.00           0.00	7.11 3.46 3.85 0.22 0.22 11.33 11.33 11.33 4.49 3.43 0.75 0.15 0.00 0.00	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 0.00	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 11.38 4.91 1.41 1.36 0.00 0.00 0.00	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 0.00	5.32 3.82 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00	7.15 $4.58$ $4.60$ $2.32$ $0.48$ $10.05$ $10.05$ $7.31$ $4.39$ $1.02$ $0.00$ $0.00$ $0.00$	4.62 2.90 2.99 1.37 0.45 0.45 7.99 7.99 3.77 1.63 0.43 0.00 0.00 0.00
2012 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	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00 0.00 0.00 10.31	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           0.99           0.55           0.13           0.00           0.00           7.31	7.11 3.46 3.85 0.22 0.22 11.33 11.33 11.33 4.49 3.43 0.75 0.15 0.00 0.00 13.30	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 0.00 0.00 12.91	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07 6.31	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 4.91 1.41 1.36 0.00 0.00 0.00 0.00 5.83	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 0.00 5.35	5.32 3.82 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00 7.85	7.15 $4.58$ $4.60$ $2.32$ $0.48$ $0.48$ $10.05$ $10.05$ $7.31$ $4.39$ $1.02$ $0.00$ $0.00$ $0.00$ $13.11$	4.62 2.90 2.99 1.37 0.45 0.45 7.99 7.99 3.77 1.63 0.43 0.00 0.00 0.00 0.00 6.38
2012 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 TC 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	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00 0.00 0.00 10.31 10.31	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           0.99           0.55           0.13           0.00           0.00           7.31	$\begin{array}{c} 7.11\\ 3.46\\ 3.85\\ 0.22\\ 0.22\\ 11.33\\ 11.33\\ 11.33\\ 4.49\\ 3.43\\ 0.75\\ 0.15\\ 0.00\\ 0.00\\ 13.30\\ 13.30\\ 13.30 \end{array}$	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 0.00 0.00 12.91 12.91	4.62 2.61 2.21 0.20 0.20 9.63 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07 6.31 6.31	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61 6.61	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74 7.74	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 4.91 1.41 1.36 0.00 0.00 0.00 0.00 5.83 5.83	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 0.00 5.35 5.35	5.32 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00 7.85 7.85	7.15 $4.58$ $4.60$ $2.32$ $0.48$ $0.48$ $10.05$ $10.05$ $7.31$ $4.39$ $1.02$ $0.00$ $0.00$ $0.00$ $13.11$ $13.11$	$\begin{array}{c} 4.62\\ 2.90\\ 2.99\\ 1.37\\ 0.45\\ 0.45\\ 7.99\\ 7.99\\ \end{array}\\\\ \begin{array}{c} 3.77\\ 1.63\\ 0.43\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 6.38\\ 6.38\\ 6.38\end{array}$
2012 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 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 East Regulation West NYCA Regulation Movement	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00 0.00 0.00 10.31	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           0.99           0.55           0.13           0.00           0.00           7.31	7.11 3.46 3.85 0.22 0.22 11.33 11.33 11.33 4.49 3.43 0.75 0.15 0.00 0.00 13.30	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 0.00 0.00 12.91	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07 6.31	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 4.91 1.41 1.36 0.00 0.00 0.00 0.00 5.83	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 0.00 5.35	5.32 3.82 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00 7.85	7.15 $4.58$ $4.60$ $2.32$ $0.48$ $0.48$ $10.05$ $10.05$ $7.31$ $4.39$ $1.02$ $0.00$ $0.00$ $0.00$ $13.11$	4.62 2.90 2.99 1.37 0.45 0.45 7.99 7.99 3.77 1.63 0.43 0.00 0.00 0.00 0.00 6.38
2012 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 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 East Regulation West NYCA Regulation Movement Real Time Market	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00 0.00 10.31 10.31 0.00	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           0.99           0.55           0.13           0.00           0.00           7.31           0.00	$\begin{array}{c} 7.11\\ 3.46\\ 3.85\\ 0.22\\ 0.22\\ 0.22\\ 11.33\\ 11.33\\ 11.33\\ 4.49\\ 3.43\\ 0.75\\ 0.15\\ 0.00\\ 0.00\\ 13.30\\ 13.30\\ 0.00\\ \end{array}$	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 0.00 12.91 12.91 0.00	4.62 2.61 2.21 0.20 0.20 9.63 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07 6.31 6.31 0.00	7.54 3.23 4.92 0.72 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61 6.61 0.00	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74 7.74 0.00	$\begin{array}{c} 4.95\\ 2.68\\ 3.58\\ 1.47\\ 0.33\\ 0.33\\ 11.38\\ 11.38\\ 11.38\\ 14.41\\ 1.36\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 5.83\\ 5.83\\ 0.00\\ \end{array}$	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 8.54 5.02 0.95 1.10 0.00 0.00 0.00 5.35 5.35 0.00	5.32 3.82 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00 7.85 7.85 0.00	7.15 $4.58$ $4.60$ $2.32$ $0.48$ $0.48$ $10.05$ $10.05$ $7.31$ $4.39$ $1.02$ $0.00$ $0.00$ $0.00$ $13.11$ $13.11$ $0.00$	$\begin{array}{c} 4.62\\ 2.90\\ 2.99\\ 1.37\\ 0.45\\ 0.45\\ 7.99\\ 7.99\\ 7.99\\ 3.77\\ 1.63\\ 0.43\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 6.38\\ 6.38\\ 0.00\\ \end{array}$
2012 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 TC 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 East Regulation Movement NYCA Regulation Movement East 10 Min Spin East	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00 0.00 10.31 10.31 0.00 2.21	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           0.99           0.55           0.13           0.00           0.00           7.31           7.31           0.00           1.61	$\begin{array}{c} 7.11\\ 3.46\\ 3.85\\ 0.22\\ 0.22\\ 11.33\\ 11.33\\ 11.33\\ 4.49\\ 3.43\\ 0.75\\ 0.15\\ 0.00\\ 0.00\\ 13.30\\ 13.30\\ 0.00\\ 5.38 \end{array}$	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 0.00 12.91 12.91 0.00 4.14	4.62 2.61 2.21 0.20 0.20 9.63 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07 6.31 6.31 0.00 9.27	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61 6.61 0.00 8.11	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74 7.74 0.00	$\begin{array}{c} 4.95\\ 2.68\\ 3.58\\ 1.47\\ 0.33\\ 0.33\\ 11.38\\ 11.38\\ 11.38\\ 1.41\\ 1.36\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 5.83\\ 5.83\\ 0.00\\ 5.01\\ \end{array}$	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 0.00 0.00 5.35 5.35 0.00	5.32 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00 7.85 7.85 0.00 9.93	$\begin{array}{c} 7.15\\ 4.58\\ 4.60\\ 2.32\\ 0.48\\ 0.48\\ 10.05\\ 10.05\\ 10.05\\ \hline \end{array}$	$\begin{array}{c} 4.62\\ 2.90\\ 2.99\\ 1.37\\ 0.45\\ 0.45\\ 7.99\\ 7.99\\ .77\\ 1.63\\ 0.43\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 6.38\\ 6.38\\ 0.00\\ .06\end{array}$
2012 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 West 30 Min East 30 Min East 30 Min West Regulation East Regulation East Regulation West NYCA Regulation Movement <b>Real Time Market</b> 10 Min Spin East 10 Min Spin West	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00 10.31 10.31 10.31 0.00 2.21 1.89	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           0.99           0.55           0.13           0.00           7.31           0.00           1.61           1.09	$\begin{array}{c} 7.11\\ 3.46\\ 3.85\\ 0.22\\ 0.22\\ 0.22\\ 11.33\\ 11.33\\ 11.33\\ 4.49\\ 3.43\\ 0.75\\ 0.15\\ 0.00\\ 0.00\\ 13.30\\ 13.30\\ 13.30\\ 0.00\\ \hline \\ 5.38\\ 4.00\\ \end{array}$	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 0.00 12.91 12.91 0.00 4.14 2.34	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07 6.31 6.31 0.00 9.27 2.92	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61 6.61 0.00 8.11 2.41	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74 7.74 0.00	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 11.38 4.91 1.41 1.36 0.00 0.00 0.00 0.00 5.83 5.83 0.00 5.01 1.72	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 0.00 5.35 5.35 0.00 5.75 1.13	5.32 3.82 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 7.85 7.85 0.00 9.93 0.28	$\begin{array}{c} 7.15\\ 4.58\\ 4.60\\ 2.32\\ 0.48\\ 0.48\\ 10.05\\ 10.05\\ 10.05\\ \hline \end{array}$	4.62 2.90 2.99 1.37 0.45 0.45 7.99 7.99 3.77 1.63 0.43 0.00 0.00 0.00 0.00 6.38 6.38 0.00 3.06 1.28
2012 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 TC 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 East Regulation West Regulation West NYCA Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin West 10 Min Wes	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00 10.31 10.31 0.00 2.21 1.89 0.03	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           0.99           0.55           0.13           0.00           7.31           0.00           1.61           1.09           0.17	$\begin{array}{c} 7.11\\ 3.46\\ 3.85\\ 0.22\\ 0.22\\ 11.33\\ 11.33\\ 11.33\\ 14.49\\ 3.43\\ 0.75\\ 0.15\\ 0.00\\ 13.30\\ 13.30\\ 13.30\\ 0.00\\ 5.38\\ 4.00\\ 1.01\\ \end{array}$	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 0.00 12.91 12.91 12.91 0.00 4.14 2.34 0.03	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07 6.31 6.31 0.00 9.27 2.92 6.31	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61 6.61 0.00 8.11 2.41 6.15	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74 7.74 0.00 10.12 3.20 7.84	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 11.38 4.91 1.41 1.41 1.36 0.00 0.00 0.00 5.83 0.00 5.83 0.00 5.01 1.72 1.33	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 0.00 0.00 0.00 5.35 5.35 0.00 5.75 1.13 2.03	5.32 3.82 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00 7.85 7.85 0.00 9.93 0.28 7.39	$\begin{array}{c} 7.15\\ 4.58\\ 4.60\\ 2.32\\ 0.48\\ 10.05\\ 10.05\\ 10.05\\ \hline \\ 7.31\\ 4.39\\ 1.02\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 13.11\\ 13.11\\ 0.00\\ \hline \\ 6.74\\ 3.19\\ 1.91\\ \end{array}$	$\begin{array}{c} 4.62\\ 2.90\\ 2.99\\ 1.37\\ 0.45\\ 0.45\\ 7.99\\ 7.99\\ 3.77\\ 1.63\\ 0.43\\ 0.00\\ 0.00\\ 0.00\\ 6.38\\ 6.38\\ 0.00\\ 3.06\\ 1.28\\ 0.39\\ \end{array}$
2012 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 TCC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch West 30 Min East 30 Min West Regulation East Regulation East Regulation Movement Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin West 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Spin East 10 Min Spin West 10 Min Spin East 10 Min Spin West 10 Min West 10	<u>January</u> 6.26 1.34 4.71 0.15 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00 10.31 10.31 10.31 10.31 10.31 1.89 0.03 0.00	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           7.11           0.99           0.55           0.13           0.00           7.31           7.31           0.00           1.61           1.09           0.17           0.00	$\begin{array}{c} 7.11\\ 3.46\\ 3.85\\ 0.22\\ 0.22\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 4.49\\ 3.43\\ 0.75\\ 0.15\\ 0.00\\ 1.5\\ 0.00\\ 13.30\\ 13.30\\ 13.30\\ 0.00\\ 5.38\\ 4.00\\ 1.01\\ 0.13\\ \end{array}$	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 12.91 12.91 12.91 0.00 4.14 2.34 0.03 0.00	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07 6.31 6.31 0.00 9.27 2.92 6.31 1.24	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61 6.61 0.00 8.11 2.41 6.15 1.20	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74 7.74 0.00 10.12 3.20 7.84 1.42	$\begin{array}{c} 4.95\\ 2.68\\ 3.58\\ 1.47\\ 0.33\\ 0.33\\ 11.38\\ 11.38\\ 11.38\\ 11.38\\ 11.38\\ 3.00\\ 0.00\\ 0.00\\ 0.00\\ 5.83\\ 5.83\\ 0.00\\ 5.01\\ 1.72\\ 1.33\\ 0.00\\ \end{array}$	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 0.00 5.35 5.35 0.00 5.75 1.13 2.03 0.14	5.32 3.82 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00 7.85 7.85 0.00 9.93 0.28 7.39 0.00	$\begin{array}{c} 7.15\\ 4.58\\ 4.60\\ 2.32\\ 0.48\\ 0.48\\ 10.05\\ 10.05\\ 10.05\\ \hline \end{array}$	$\begin{array}{c} 4.62\\ 2.90\\ 2.99\\ 1.37\\ 0.45\\ 0.45\\ 7.99\\ 7.99\\ 7.99\\ 3.77\\ 1.63\\ 0.43\\ 0.00\\ 0.00\\ 0.00\\ 6.38\\ 6.38\\ 0.00\\ 3.06\\ 1.28\\ 0.39\\ 0.00\\ \end{array}$
2012 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 TC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min West Regulation East Regulation East Regulation East Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Spin East 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East	<u>January</u> 6.26 1.34 4.71 0.15 0.15 0.15 9.01 9.01 9.01 2.64 2.16 0.17 0.00 0.00 0.00 10.31 10.31 10.31 0.00 2.21 1.89 0.03 0.00 0.00	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           7.11           0.99           0.55           0.13           0.00           0.00           7.31           7.31           0.00           1.61           1.09           0.17           0.00           0.00	$\begin{array}{c} 7.11\\ 3.46\\ 3.85\\ 0.22\\ 0.22\\ 0.22\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 0.75\\ 0.15\\ 0.00\\ 0.00\\ 13.30\\ 13.30\\ 0.00\\ 13.30\\ 0.00\\ 5.38\\ 4.00\\ 1.01\\ 0.13\\ 0.00\\ \end{array}$	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 12.91 12.91 0.00 4.14 2.34 0.03 0.00 0.00 0.00	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07 6.31 6.31 0.00 9.27 2.92 6.31 1.24 1.90	7.54 3.23 4.92 0.72 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61 6.61 0.00 8.111 2.411 6.15 1.20 0.13	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74 7.74 0.00 10.12 3.20 7.84 1.42 0.49	$\begin{array}{c} 4.95\\ 2.68\\ 3.58\\ 1.47\\ 0.33\\ 0.33\\ 11.38\\ 11.38\\ 11.38\\ 11.38\\ 1$	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 0.00 5.35 5.35 0.00 5.75 1.13 2.03 0.14 0.00	5.32 3.82 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00 7.85 7.85 0.00 9.93 0.28 7.39 0.00 0.0	$\begin{array}{c} 7.15\\ 4.58\\ 4.60\\ 2.32\\ 0.48\\ 0.48\\ 10.05\\ 10.05\\ 10.05\\ \hline \end{array}$	$\begin{array}{c} 4.62\\ 2.90\\ 2.99\\ 1.37\\ 0.45\\ 0.45\\ 7.99\\ 7.99\\ 7.99\\ 3.77\\ 1.63\\ 0.43\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 6.38\\ 6.38\\ 0.00\\ 3.06\\ 1.28\\ 0.39\\ 0.00\\$
2012 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 TC 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 East Regulation Movement MYCA Regulation Movement Di Min Spin East 10 Min Spin East 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch West 30 Min Kast 30 Min Kast 30 Min Spin West 10 Min Non Synch West 30 Min East 30 Min East 30 Min East 30 Min East 30 Min Kast 30 Min Kast	<u>January</u> 6.26 1.34 4.71 0.15 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00 0.00 10.31 10.31 0.00 2.21 1.89 0.03 0.00 0.00 0.00 0.00	February           4.01           0.56           3.64           0.18           0.18           0.18           7.11           7.11           7.11           7.11           0.99           0.55           0.13           0.00           0.00           7.31           0.00           1.61           1.09           0.17           0.00           0.00	$\begin{array}{c} 7.11\\ 3.46\\ 3.85\\ 0.22\\ 0.22\\ 0.22\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 0.00\\ 1.330\\ 13.30\\ 1.30\\ 1.30\\ 1.30\\ 1.30\\ 1.01\\ 1.13\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 12.91 12.91 0.00 4.14 2.34 0.03 0.00 0.00 0.00 0.00 0.00	4.62 2.61 2.21 0.20 0.20 9.63 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07 6.31 6.31 0.00 9.27 2.92 6.31 1.24 1.90 0.41	7.54 3.23 4.92 0.72 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61 6.61 0.00 8.11 2.41 6.15 1.20 0.13 0.09	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74 7.74 0.00 10.12 3.20 7.84 1.42 0.49 0.08	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 11.38 4.91 1.41 1.41 1.36 0.00 0.00 0.00 5.83 5.83 0.00 5.01 1.72 1.33 0.00 0.00 0.00 0.00	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 5.35 5.35 0.00 5.75 1.13 2.03 0.14 0.00 0.00 0.00	5.32 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00 7.85 7.85 0.00 9.93 0.28 7.39 0.00 0.0	$\begin{array}{c} 7.15\\ 4.58\\ 4.60\\ 2.32\\ 0.48\\ 0.48\\ 10.05\\ 10.05\\ 10.05\\ \hline \end{array}$ $\begin{array}{c} 7.31\\ 4.39\\ 1.02\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 13.11\\ 13.11\\ 0.00\\ \hline \end{array}$ $\begin{array}{c} 6.74\\ 3.19\\ 1.91\\ 0.10\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \hline \end{array}$	$\begin{array}{c} 4.62\\ 2.90\\ 2.99\\ 1.37\\ 0.45\\ 0.45\\ 7.99\\ 7.99\\ 7.99\\ 3.77\\ 1.63\\ 0.43\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 6.38\\ 6.38\\ 0.00\\ 3.06\\ 1.28\\ 0.39\\ 0.00\\$
2012 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 TC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min West Regulation East Regulation East Regulation East Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Spin East 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East	<u>January</u> 6.26 1.34 4.71 0.15 0.15 0.15 9.01 9.01 9.01 2.64 2.16 0.17 0.00 0.00 0.00 10.31 10.31 10.31 0.00 2.21 1.89 0.03 0.00 0.00	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           7.11           0.99           0.55           0.13           0.00           0.00           7.31           7.31           0.00           1.61           1.09           0.17           0.00           0.00	$\begin{array}{c} 7.11\\ 3.46\\ 3.85\\ 0.22\\ 0.22\\ 0.22\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 0.75\\ 0.15\\ 0.00\\ 1.5\\ 0.00\\ 13.30\\ 0.00\\ 13.30\\ 0.00\\ 1.30\\ 1.01\\ 0.13\\ 0.00\\ \end{array}$	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 12.91 12.91 0.00 4.14 2.34 0.03 0.00 0.00 0.00	4.62 2.61 2.21 0.20 0.20 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07 6.31 6.31 0.00 9.27 2.92 6.31 1.24 1.90	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61 6.61 0.00 8.11 2.41 6.15 1.20 0.13	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74 7.74 0.00 10.12 3.20 7.84 1.42 0.49	$\begin{array}{c} 4.95\\ 2.68\\ 3.58\\ 1.47\\ 0.33\\ 0.33\\ 11.38\\ 11.38\\ 11.38\\ 11.38\\ 1$	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 0.00 5.35 5.35 0.00 5.75 1.13 2.03 0.14 0.00	5.32 3.82 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00 7.85 7.85 0.00 9.93 0.28 7.39 0.00 0.0	$\begin{array}{c} 7.15\\ 4.58\\ 4.60\\ 2.32\\ 0.48\\ 0.48\\ 10.05\\ 10.05\\ 10.05\\ \hline \end{array}$ $\begin{array}{c} 7.31\\ 4.39\\ 1.02\\ 0.00\\ 0.00\\ 0.00\\ 13.11\\ 13.11\\ 0.00\\ \hline \end{array}$ $\begin{array}{c} 6.74\\ 3.19\\ 1.91\\ 0.10\\ 0.00\\ \hline \end{array}$	$\begin{array}{c} 4.62\\ 2.90\\ 2.99\\ 1.37\\ 0.45\\ 0.45\\ 7.99\\ 7.99\\ 7.99\\ 3.77\\ 1.63\\ 0.43\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 6.38\\ 6.38\\ 0.00\\ 3.06\\ 1.28\\ 0.39\\ 0.00\\$
2012 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 TC 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 East Regulation Movement MYCA Regulation Movement Di Min Spin East 10 Min Spin East 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch West 30 Min Kast 30 Min Kast 30 Min Spin West 10 Min Non Synch West 30 Min East 30 Min East 30 Min East 30 Min East 30 Min Kast 30 Min Kast	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00 10.31 10.31 10.31 0.00 2.21 1.89 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.0	February           4.01           0.56           3.64           0.18           0.18           0.18           7.11           7.11           7.11           7.11           0.99           0.55           0.13           0.00           0.00           7.31           0.00           1.61           1.09           0.17           0.00           0.00	$\begin{array}{c} 7.11\\ 3.46\\ 3.85\\ 0.22\\ 0.22\\ 0.22\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 0.00\\ 1.330\\ 13.30\\ 1.30\\ 1.30\\ 1.30\\ 1.30\\ 1.01\\ 1.13\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 12.91 12.91 0.00 4.14 2.34 0.03 0.00 0.00 0.00 0.00 0.00	$\begin{array}{c} 4.62\\ 2.61\\ 2.21\\ 0.20\\ 0.20\\ 9.63\\ 9.63\\ 9.63\\ 8.07\\ 2.11\\ 4.90\\ 0.50\\ 0.16\\ 0.07\\ 6.31\\ 6.31\\ 0.00\\ \hline 9.27\\ 2.92\\ 6.31\\ 1.24\\ 1.90\\ 0.41\\ 7.30\\ 7.30\\ 7.30\\ \end{array}$	7.54 3.23 4.92 0.72 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61 6.61 0.00 8.11 2.41 6.15 1.20 0.13 0.09	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74 7.74 0.00 10.12 3.20 7.84 1.42 0.49 0.08	4.95 2.68 3.58 1.47 0.33 0.33 11.38 11.38 11.38 4.91 1.41 1.41 1.36 0.00 0.00 0.00 5.83 5.83 0.00 5.01 1.72 1.33 0.00 0.00 0.00 0.00	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 5.35 5.35 0.00 5.75 1.13 2.03 0.14 0.00 0.00 0.00	5.32 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00 7.85 7.85 0.00 9.93 0.28 7.39 0.00 0.0	$\begin{array}{c} 7.15\\ 4.58\\ 4.60\\ 2.32\\ 0.48\\ 0.48\\ 10.05\\ 10.05\\ 10.05\\ \hline \end{array}$ $\begin{array}{c} 7.31\\ 4.39\\ 1.02\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 13.11\\ 13.11\\ 0.00\\ \hline \end{array}$ $\begin{array}{c} 6.74\\ 3.19\\ 1.91\\ 0.10\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \hline \end{array}$	$\begin{array}{c} 4.62\\ 2.90\\ 2.99\\ 1.37\\ 0.45\\ 0.45\\ 7.99\\ 7.99\\ 7.99\\ 3.77\\ 1.63\\ 0.43\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 6.38\\ 6.38\\ 0.00\\ 0.00\\ 3.06\\ 1.28\\ 0.39\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 5.84\\ 5.84\\ \end{array}$
2012 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 10 Min Spin East 10 Min Spin Vest 10 Min Non Synch East 10 Min Non Synch West 30 Min West Regulation East Regulation East Regulation West NYCA Regulation Movement <b>Real Time Market</b> 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch West 30 Min East 30 Min East 30 Min East 30 Min West 30 Min West 30 Min West 30 Min West Regulation East 30 Min West 30 Min West 30 Min West 30 Min West Regulation East 30 Min West Regulation East 30 Min West 30 Min West Regulation East	<u>January</u> 6.26 1.34 4.71 0.15 0.15 9.01 9.01 2.64 2.16 0.17 0.00 0.00 0.00 0.00 10.31 10.31 10.31 0.00 2.21 1.89 0.03 0.00 0.00 0.00 0.00 0.00 0.00 0.0	February           4.01           0.56           3.64           0.18           0.18           7.11           7.11           7.11           0.99           0.55           0.13           0.00           0.00           7.31           7.31           0.00           1.61           1.09           0.17           0.00           0.00           0.00	$\begin{array}{c} 7.11\\ 3.46\\ 3.85\\ 0.22\\ 0.22\\ 0.22\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 11.33\\ 0.75\\ 0.15\\ 0.00\\ 0.00\\ 13.30\\ 13.30\\ 0.00\\ 13.30\\ 0.00\\ 5.38\\ 4.00\\ 1.01\\ 0.13\\ 0.00\\ 0.00\\ 14.46\\ \end{array}$	6.44 3.43 3.11 0.16 0.16 11.77 11.77 4.05 2.20 0.02 0.00 0.00 0.00 12.91 12.91 0.00 4.14 2.34 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	4.62 2.61 2.21 0.20 0.20 9.63 9.63 9.63 8.07 2.11 4.90 0.50 0.16 0.07 6.31 6.31 0.00 9.27 2.92 6.31 1.24 1.90 0.41 7.30	7.54 3.23 4.92 0.72 0.48 0.48 13.55 13.55 7.03 2.02 4.90 0.69 0.07 0.07 6.61 6.61 0.00 8.11 2.41 6.15 1.20 0.13 0.09 7.74	7.77 4.04 6.18 2.55 0.64 0.64 15.78 15.78 9.02 3.21 6.42 1.19 0.13 0.10 7.74 7.74 0.00 10.12 3.20 7.84 1.42 0.49 0.08 7.93	$\begin{array}{c} 4.95\\ 2.68\\ 3.58\\ 1.47\\ 0.33\\ 0.33\\ 11.38\\ 11.38\\ 11.38\\ 11.38\\ 11.38\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 5.83\\ 5.83\\ 0.00\\ 5.01\\ 1.72\\ 1.33\\ 0.00\\ $	5.55 4.16 2.07 0.82 0.23 0.23 8.54 8.54 5.02 0.95 1.10 0.00 0.00 0.00 5.35 5.35 0.00 5.75 1.13 2.03 0.14 0.00 0.00 5.27	5.32 3.84 2.34 0.23 0.23 8.65 8.65 10.16 0.13 7.62 0.03 0.00 0.00 7.85 7.85 0.00 9.93 0.28 7.39 0.00 0.00 0.00 0.00 0.28 7.39 0.00 0.00 0.00 0.28 7.39 0.00 0.00 0.00 0.28 7.39 0.00 0.00 0.00 0.00 0.28 7.39 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.28 7.39 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.28 7.39 0.00 0.0	$\begin{array}{c} 7.15\\ 4.58\\ 4.60\\ 2.32\\ 0.48\\ 0.48\\ 10.05\\ 10.05\\ 10.05\\ \hline \end{array}$	$\begin{array}{c} 4.62\\ 2.90\\ 2.99\\ 1.37\\ 0.45\\ 0.45\\ 7.99\\ 7.99\\ 7.99\\ 3.77\\ 1.63\\ 0.43\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 3.06\\ 1.28\\ 0.39\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 5.84\\ \end{array}$

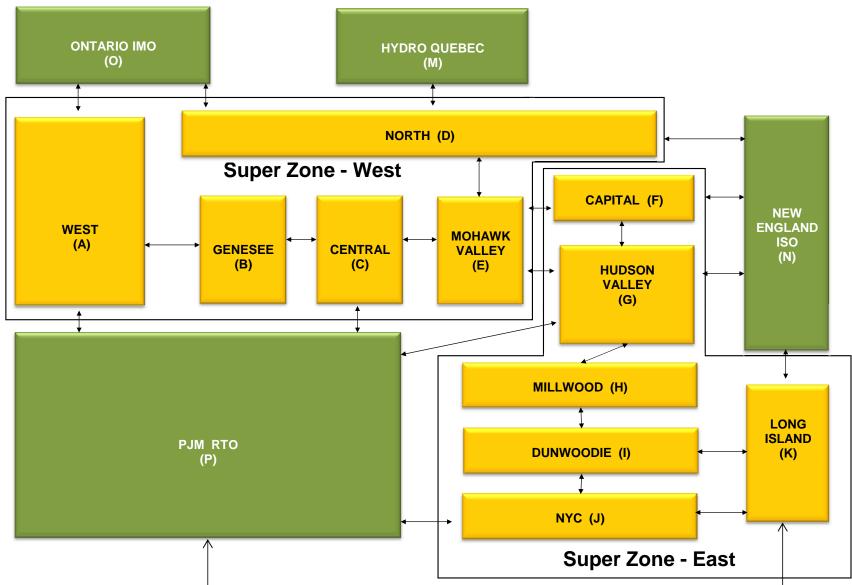








# NYISO LBMP ZONES



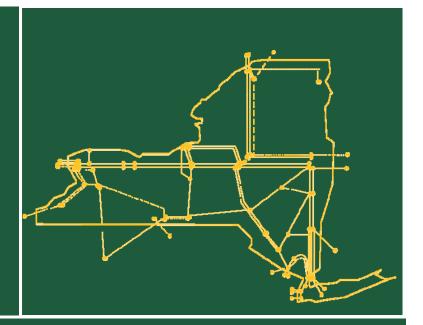
Market Mitigation and Analysis Prepared: 3/6/2013 10:37 AM

### 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



The New York Independent System Operator (NYISO) is a not-for-profit corporation responsible for operating the state's bulk electricity grid, administering New York's competitive wholesale electricity markets, conducting comprehensive long-term planning for the state's electric power system, and advancing the technological infrastructure of the electric system serving the Empire State.



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