

Market Operations Report

Rana Mukerji

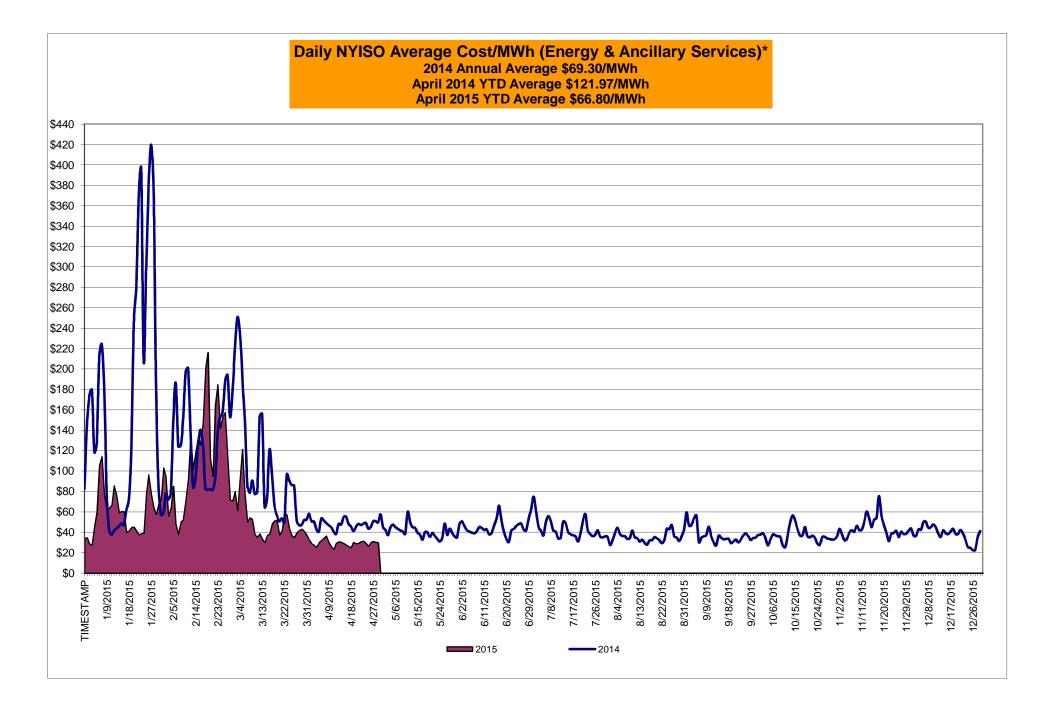
Senior Vice President, Market Structures New York Independent System Operator

Business Issues Committee Meeting May 13, 2015

Market Performance Highlights for April 2015

- LBMP for April is \$28.35/MWh; lower than \$52.09/MWh in March 2015 and lower than \$46.09/MWh in April 2014.
 - Day Ahead and Real Time Load Weighted LBMPs are lower compared to March.
- April 2015 average year-to-date monthly cost of \$66.80/MWh is a 45% decrease from \$121.97/MWh in April 2014.
- Average daily sendout is 387 GWh/day in April; lower than 436 GWh/day in March 2015 and 390 GWh/day in April 2014.
- Natural gas prices were lower compared to the previous month and distillate prices were higher compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$2.21/MMBtu, down 39% from \$3.65/MMBtu in March.
 - Transco Z6 NY is down 47% year-over-year
 - Jet Kerosene Gulf Coast was \$12.44/MMBtu, up from \$11.69/MMBtu in March.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$12.99/MMBtu, up from \$12.85/MMBtu in March.
- Distillate prices are down 42% year-over-year
- Uplift per MWh is higher compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.14)/MWh; higher than (\$0.68)/MWh in March.
 - The Local Reliability Share is \$0.27/MWh, higher than \$0.13 in March.
 - The Statewide Share is (\$0.41)/MWh, higher than (\$0.81)/MWh in March.
 - TSA \$ per NYC MWh is \$0.00/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than March.

Market Mitigation and Analysis



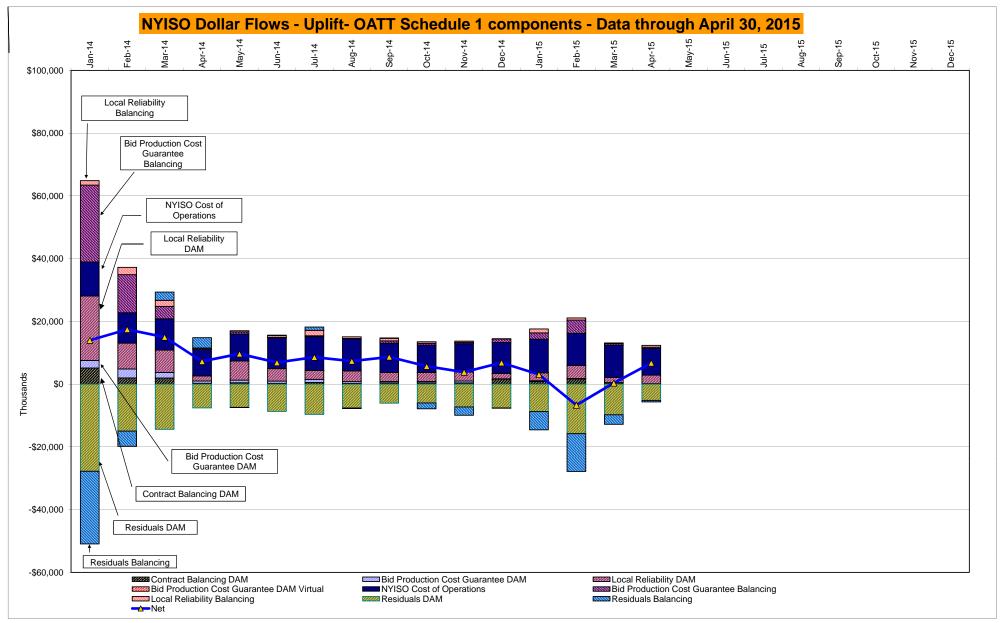
* Excludes ICAP payments.

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

2015	January	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	<u>September</u>	<u>October</u>	November	December
LBMP	59.60	114.35	52.09	28.35								
NTAC	0.32	0.35	0.42	0.64								
Reserve	0.27	0.37	0.56	0.36								
Regulation	0.10	0.18	0.11	0.12								
NYISO Cost of Operations	0.70	0.70	0.70	0.70								
Uplift	(0.50)	(1.17)	(0.68)	(0.14)								
Uplift: Local Reliability Share	0.25	0.33	0.13	0.27								
Uplift: Statewide Share	(0.75)	(1.49)	(0.81)	(0.41)								
Voltage Support and Black Start	0.39	0.39	0.39	0.39								
Avg Monthly Cost	60.88	115.17	53.59	30.42								
Avg YTD Cost	60.88	87.68	76.61	66.80								
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00								
2014	January	<u>February</u>	March	April	May	June	July	August	September	October	November	December
LBMP	183.36	123.19	109.58	46.09	40.30	43.39	43.97	34.48	37.63	35.61	42.89	38.08
NTAC	0.56	0.64	0.39	1.18	0.69	43.39 0.78	0.43	0.41	0.50	0.57	42.09	0.86
Reserve	0.30	0.49	0.56	0.46	0.03	0.70	0.45	0.41	0.30	0.37	0.00	0.23
Regulation	0.78	0.49	0.30	0.40	0.28	0.27	0.20	0.20	0.25	0.48	0.37	0.23
NYISO Cost of Operations	0.69	0.21	0.22	0.13	0.12	0.69	0.69	0.13	0.69	0.12	0.69	0.69
Uplift	0.09	0.56	0.03	(0.09)	0.03	(0.21)	(0.26)	(0.19)	(0.20)	(0.24)	(0.40)	(0.20)
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	0.13
Uplift: Statewide Share	(1.21)	(0.19)	(0.27)	(0.24)	(0.44)	(0.53)	(0.55)	(0.45)	(0.46)	(0.50)	(0.64)	(0.33)
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	186.24	126.14	112.15	48.82	42.51	45.39	45.57	36.14	39.38	37.59	44.71	40.09
		120.14	112.10	40.02	42.01	40.00	40.07	00.14	00.00	07.00		40.00
Avg YTD Cost	186.24	157.93	142.77	121.97	108.36	97.84	89.46	82.60	78.07	74.63	72.06	69.31
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	0.00
2013	January	February	March	April	May	June	July	August	September	October	November	December
LBMP	79.77	85.76	48.94	44.47	52.21	50.17	68.49	40.81	44.24	<u>39.85</u>	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 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
* Excludes ICAP payments.										Data r	eflects true-ups the	u Dec 2014.

* Excludes ICAP payments. Market Mitigation and Analysis Prepared: 5/5/2015 12:57 PM

Data reflects true-ups thru Dec 2014.



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.

				N	YISO Marl	kets Trans	sactions					
2015	lonuory	Fobruary	March	April	May	luno	lukz	August	Sontombor	Octobor	November	December
	January	February	March		<u>May</u>	<u>June</u>	<u>July</u>	August	<u>September</u>	<u>October</u>	November	December
Day Ahead Market MWh	15,961,306	14,967,371	15,059,207	12,589,321								
DAM LSE Internal LBMP Energy Sales	55%	54%	53%	55%								
DAM External TC LBMP Energy Sales	5%	6%	6%	4%								
DAM Bilateral - Internal Bilaterals	35%	33%	33%	33%								
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	3%	5%	5%	6%								
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	1%	2%								
DAM Bilateral - Wheel Through Bilaterals	0%	1%	1%	1%								
Balancing Energy Market MWh	-648,574	-287,795	-397,342	-410,311								
Balancing Energy LSE Internal LBMP Energy Sales	-149%	-252%	-192%	-147%								
Balancing Energy External TC LBMP Energy Sales	30%	117%	64%	36%								
Balancing Energy Bilateral - Internal Bilaterals	13%	14%	19%	5%								
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%								
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	6%	8%	12%	11%								
Balancing Energy Bilateral - Wheel Through Bilaterals	0%	12%	-4%	-5%								
Transactions Summary												
LBMP	58%	59%	57%	57%								
Internal Bilaterals	37%	34%	35%	35%								
Import Bilaterals	3%	5%	5%	6%								
Export Bilaterals	2%	2%	2%	2%								
Wheels Through	0%	1%	1%	0%								
Market Share of Total Load												
Day Ahead Market	104.2%	102.0%	102.7%	103.4%								
Balancing Energy +	-4.2%	-2.0%	-2.7%	-3.4%								
Total MWH		14,679,576	14,661,865	12,179,010								
Average Daily Energy Sendout/Month GWh	462	481	436	387								
- Moldgo Daily Enorgy Condottational Office	102	101	100	001								
2014	January	February	March	<u>April</u>	May	June	July	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	14,992,656
DAM LSE Internal LBMP Energy Sales	52%	50%	53%	56%	53%	54%	58%	57%	56%	54%	54%	14,332,030 54%
DAM ESE Internal EDMP Energy Sales	5%	50 % 7%	53 % 6%	3%	2%	3%	1%	0%	1%	2%	5%	5%
DAM External TC LBMP Energy Sales	36%	36%	35%	3%	38%	3%	34%	35%	36%	38%	36%	36%
	5%	5%	5%	53% 6%	5%	5%	34% 4%	5%	4%	30% 4%	30%	30%
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5% 2%	5% 1%	5% 1%	6% 2%	5% 2%	5% 1%	4% 1%	5% 1%	4% 1%	4% 2%	3% 2%	3% 2%
DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals	2% 1%	1%	1%	2% 0%	2% 1%	1%	1%	1%	1%	2% 0%	2% 0%	2% 0%
Balancing Energy Market MWh	-249,484	-298,340	-116,173	54,298	-510,467	-558,413	-854,501	-764,108	-674,285	-999,342	-750,627	-705,848
Balancing Energy LSE Internal LBMP Energy Sales	-232%	-203%	-294%	-190%	-133%	-114%	-116%	-117%	-129%	-124%	-134%	-137%
Balancing Energy External TC LBMP Energy Sales	105%	76%	97%	207%	21%	22%	18%	15%	24%	14%	20%	28%
Balancing Energy Bilateral - Internal Bilaterals	20%	26%	69%	27%	3%	7%	4%	7%	7%	7%	9%	4%
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	12%	0%	3%	0%	0%	0%	2%	1%	0%	0%
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	11%	6%	25%	67%	4%	3%	2%	2%	3%	3%	5%	3%
Balancing Energy Bilateral - Wheel Through Bilaterals	-4%	-6%	-10%	-12%	1%	-18%	-8%	-7%	-7%	-1%	0%	1%
Transactions Summary												
LBMP	56%	56%	57%	59%	53%	55%	57%	55%	55%	52%	55%	56%
Internal Bilaterals	37%	37%	36%	33%	39%	38%	36%	37%	38%	42%	39%	38%
Import Bilaterals	5%	5%	5%	6%	5%	5%	5%	5%	5%	4%	4%	3%
Export Bilaterals	2%	1%	2%	2%	2%	1%	1%	2%	2%	2%	2%	2%
Wheels Through	1%	1%	1%	0%	1%	1%	1%	1%	1%	0%	1%	0%
Market Share of Total Load												
Day Ahead Market	101.6%	102.1%	100.8%	99.6%	104.1%	103.9%	105.5%	105.2%	104.9%	107.9%	105.7%	104.9%
Balancing Energy +	-1.6%	-2.1%	-0.8%	0.4%	-4.1%	-3.9%	-5.5%	-5.2%	-4.9%	-7.9%	-5.7%	-4.9%
	45 704 700	4 4 4 4 4 7 5	14 517 207	10 150 045	40 470 004	14 101 510	45 670 007	44 770 500	40.000.004	10 004 040	10 10 1 000	44.000.000

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

Average Daily Energy Sendout/Month GWh

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

475

460

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

394

Market Mitigation and Analysis Prepared: 5/5/2015 1:59 PM

Total MWH

413

433

390

391

440

15,784,780 14,111,175 14,517,397 12,156,045 12,473,991 14,161,516 15,673,837 14,772,502 13,638,224 12,684,816 13,194,882 14,286,808

496

470

442

456

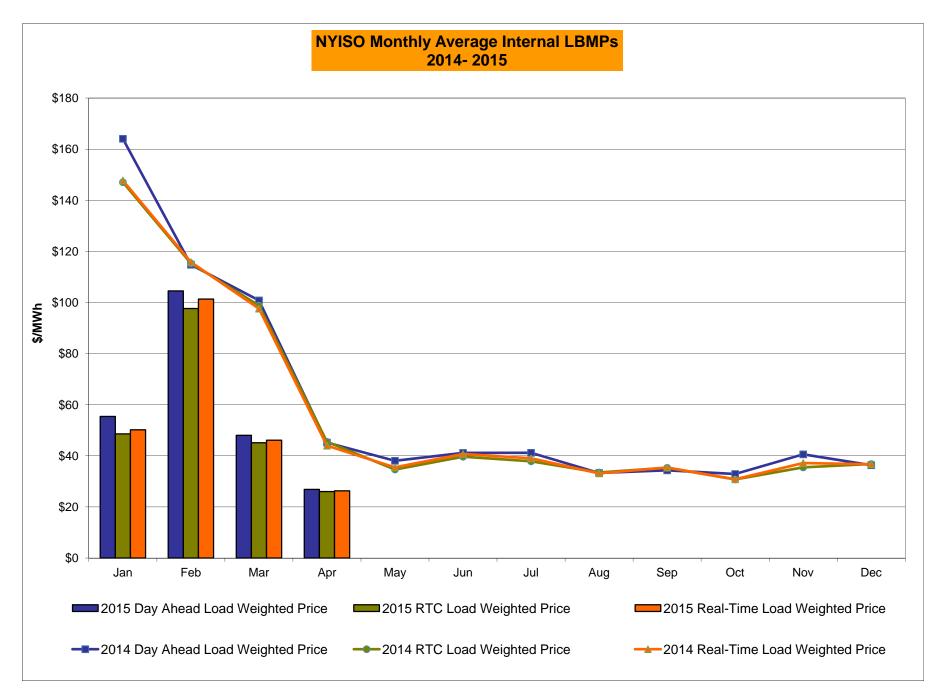
NYISO Markets 2015 Energy Statistics

	<u>January</u>	February	March	April	May	June	July	August September	October November December
DAY AHEAD LBMP									
Price *	\$53.35	\$101.48	\$46.59	\$26.07					
Standard Deviation	\$24.61	\$48.85	\$21.51	\$6.73					
Load Weighted Price **	\$55.40	\$104.52	\$48.01	\$26.84					
RTC LBMP									
Price *	\$46.98	\$95.06	\$43.43	\$25.11					
Standard Deviation	\$22.84	\$47.55	\$29.42	\$12.31					
Load Weighted Price **	\$48.59	\$97.62	\$45.10	\$26.00					
REAL TIME LBMP									
Price *	\$48.51	\$98.83	\$44.38	\$25.46					
Standard Deviation	\$25.99	\$52.53	\$29.07	\$12.66					
Load Weighted Price **	\$50.18	\$101.34	\$46.10	\$26.28					
Average Daily Energy Sendout/Month GWh	462	481	436	387					

NYISO Markets 2014 Energy Statistics

	<u>January</u>	<u>February</u>	March	<u>April</u>	May	June	<u>July</u>	August S	September	<u>October</u>	November [December
DAY AHEAD LBMP Price *	\$155.11	\$110.69	\$97.07	\$44.16	\$36.61	\$39.17	\$38.82	\$31.78	\$32.49	\$31.65	\$39.19	\$35.12
Standard Deviation Load Weighted Price **	\$121.52 \$164.06	\$50.86 \$114.77	\$59.89 \$100.81	\$8.90 \$45.19	\$10.99 \$38.05	\$12.29 \$41.14	\$15.56 \$41.18	\$9.90 \$33.28	\$11.59 \$34.31	\$9.77 \$32.89	\$13.38 \$40.57	\$11.21 \$36.33
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	\$34.99
Standard Deviation	\$125.42	\$72.22	\$97.72	\$27.44	\$17.51	\$25.39	\$24.90	\$23.34	\$33.68	\$20.45	\$14.23	\$35.81
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	\$36.79
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	\$34.80
Standard Deviation	\$122.32	\$70.35	\$89.05	\$19.38	\$17.15	\$23.33	\$27.27	\$18.18	\$33.51	\$21.14	\$17.99	\$42.67
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	\$36.69
Average Daily Energy Sendout/Month GWh	475	460	440	390	391	456	496	470	442	394	413	433

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



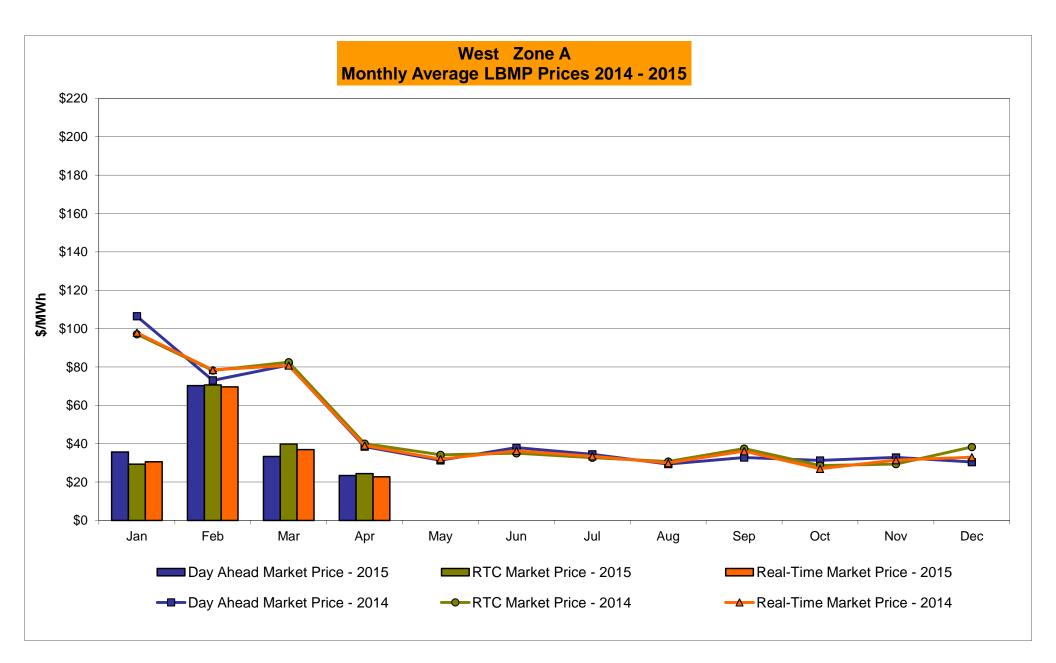
Market Mitigation and Analysis Prepared: 5/4/2015 1:48 PM

April 2015 Zonal LBMP Statistics for NYISO (\$/MWh)

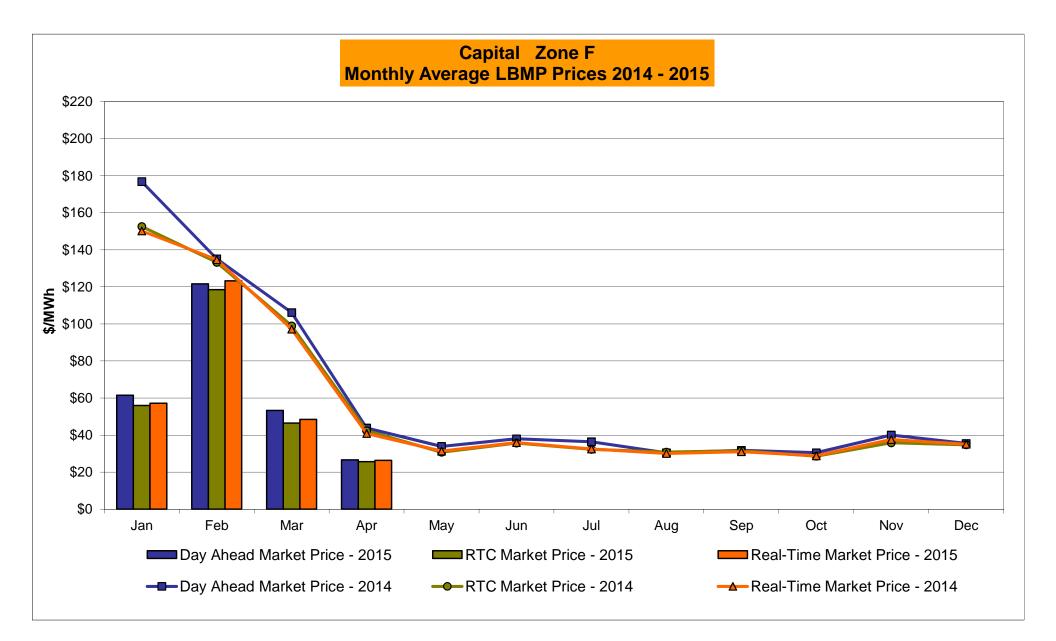
	WEST <u>Zone A</u>	GENESEE Zone B	NORTH <u>Zone D</u>	CENTRAL Zone C	MOHAWK VALLEY <u>Zone E</u>	CAPITAL Zone F	HUDSON VALLEY <u>Zone G</u>	MILLWOOD <u>Zone H</u>	DUNWOODIE <u>Zone I</u>	NEW YORK CITY <u>Zone J</u>	LONG ISLAND <u>Zone K</u>
DAY AHEAD LBMP	22.20	21.78	20.68	22.80	22.02	26.64	26.02	27.06	27.05	27.53	30.39
Unweighted Price *	23.39	-		22.80	22.93		26.83				
Standard Deviation	8.11	5.63	5.27	5.96	5.91	7.18	6.97	7.07	7.04	7.24	7.87
RTC LBMP											
Unweighted Price *	24.42	20.41	19.27	21.58	21.48	25.71	25.46	25.59	25.55	25.87	30.71
Standard Deviation	49.59	9.54	9.66	10.79	9.89	10.96	10.43	10.51	10.47	10.56	31.17
REAL TIME LBMP											
Unweighted Price *	22.72	21.12	19.94	22.10	22.22	26.36	26.16	26.30	26.26	26.59	31.04
Standard Deviation	19.55	11.43	11.53	11.93	11.88	13.00	12.52	12.61	12.57	12.64	26.14

	ONTARIO IESO	HYDRO QUEBEC (Wheel)	HYDRO QUEBEC (Import/Export)	PJM	NEW ENGLAND	CROSS SOUND CABLE	NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
						Controllable	Controllable	Controllable	Controllable	Controllable	Controllable
	Zone O	<u>Zone M</u>	Zone M	Zone P	Zone N	Line	Line	Line	Line	<u>Line</u>	Line
DAY AHEAD LBMP											
Unweighted Price *	21.20	21.37	21.16	25.05	26.99	30.00	29.63	29.13	27.14	27.37	20.51
Standard Deviation	5.08	5.52	5.40	6.51	7.35	7.85	7.73	7.30	7.02	7.18	5.19
RTC LBMP											
Unweighted Price *	19.34	19.91	19.53	24.12	25.73	30.07	30.36	29.60	25.45	25.71	19.42
Standard Deviation	11.48	9.97	10.15	11.78	11.10	30.84	33.15	30.75	10.51	10.78	9.64
REAL TIME LBMP											
Unweighted Price *	20.72	20.61	20.19	24.50	27.85	30.57	30.03	29.86	26.32	26.43	20.05
Standard Deviation	11.59	11.90	11.95	12.26	14.47	26.22	36.79	24.97	12.76	12.88	11.20

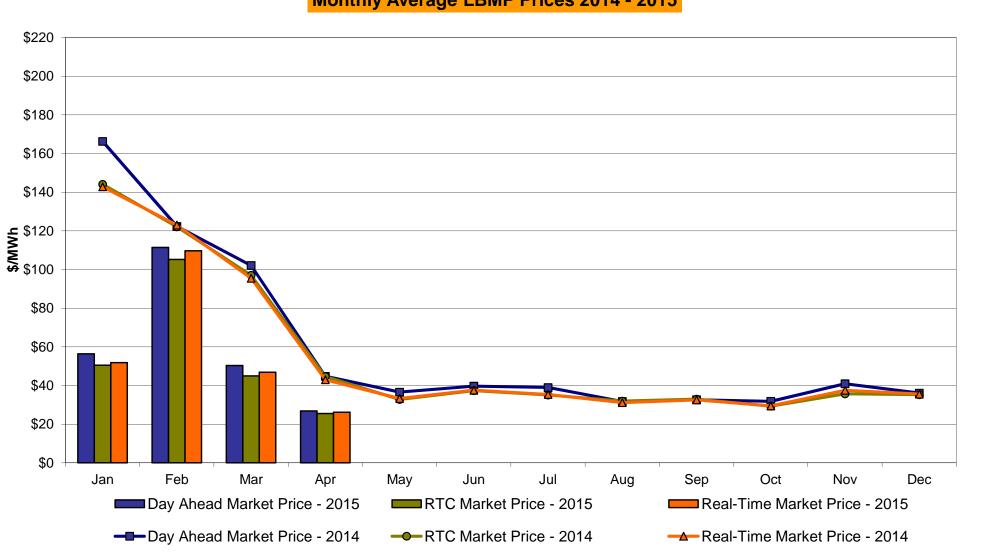
* Straight LBMP averages



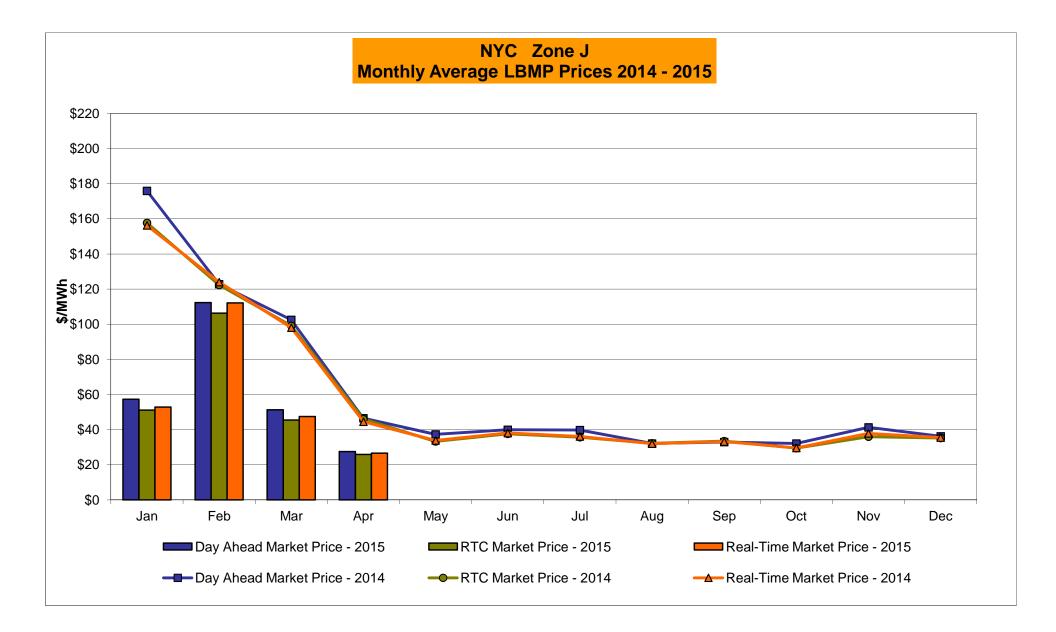
Market Mitigation and Analysis Prepared: 5/4/2015 3:46 PM

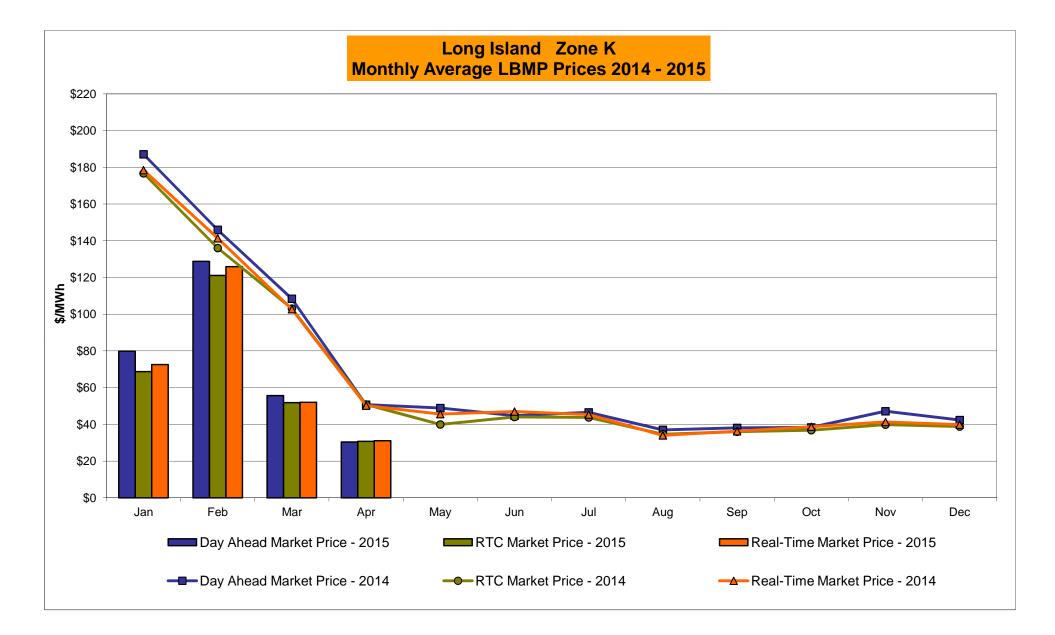


Hudson Valley Zone G Monthly Average LBMP Prices 2014 - 2015

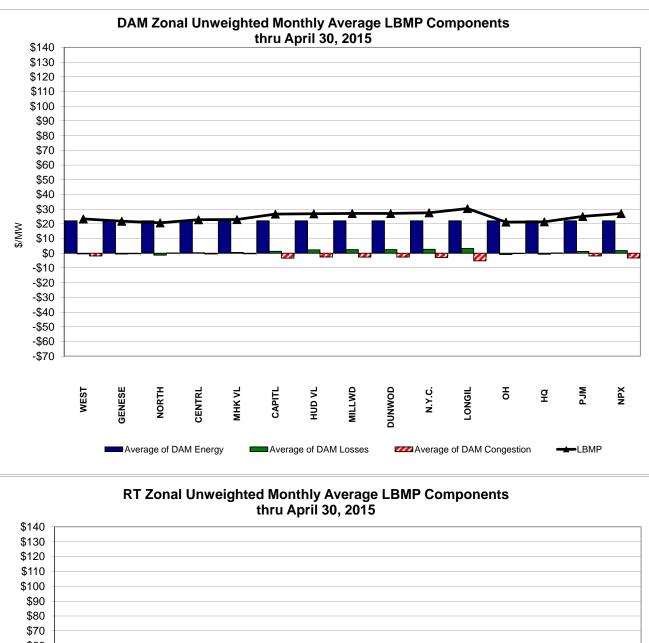


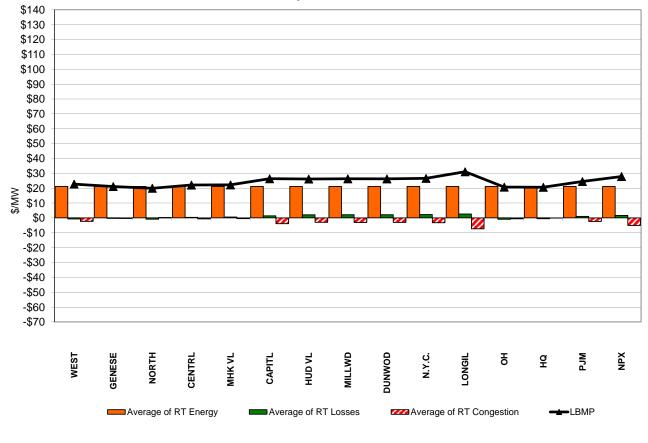
Market Mitigation and Analysis Prepared:5/4/2015 3:47 PM





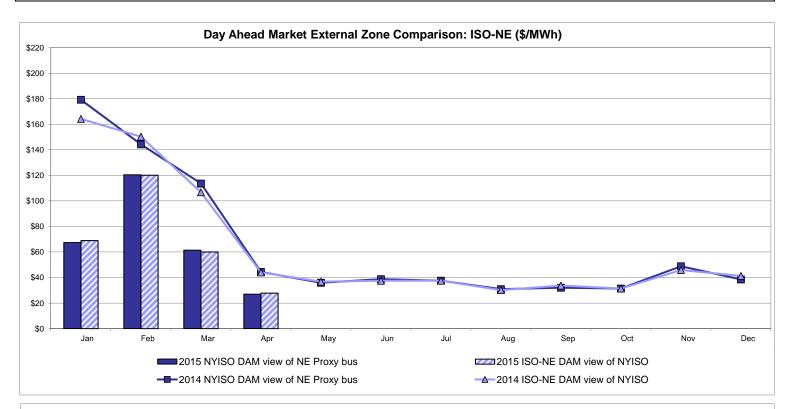
Market Mitigation and Analysis Prepared:5/4/2015 3:47 PM

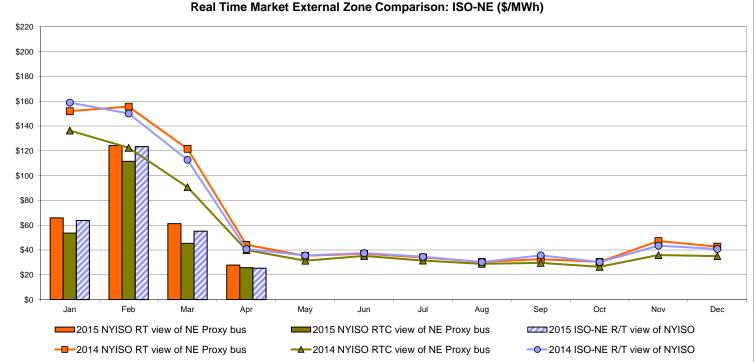


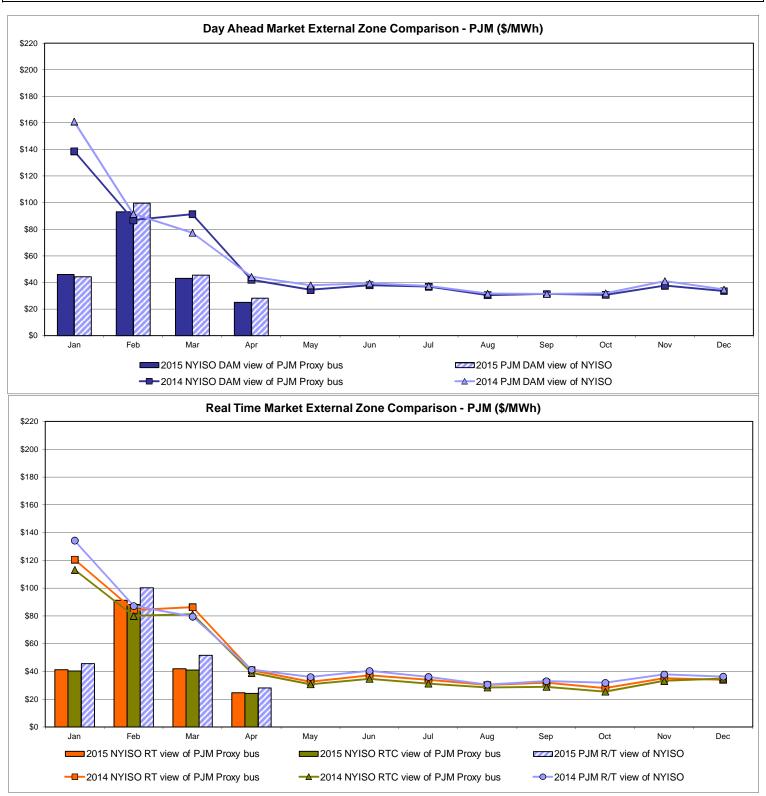


Market Mitigation and Analysis Prepared:5/4/2015 3:06 PM

External Comparison ISO-New England

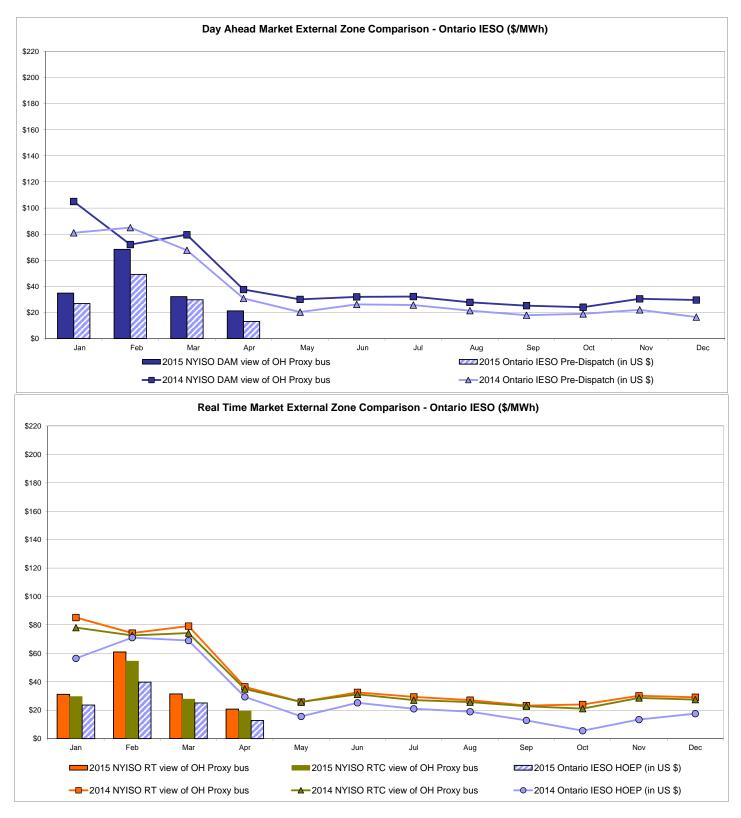




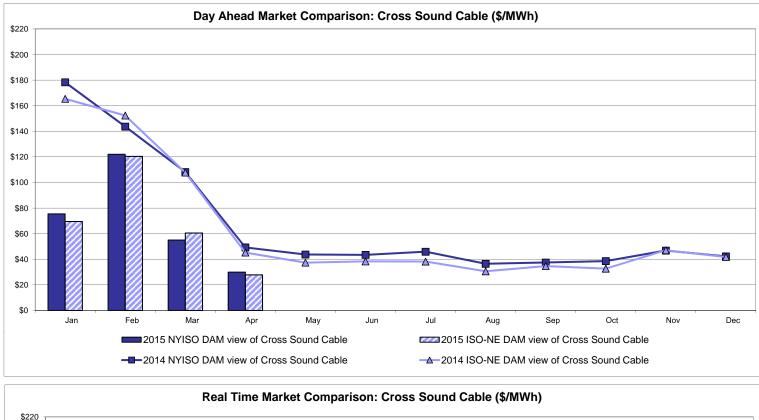


External Comparison PJM

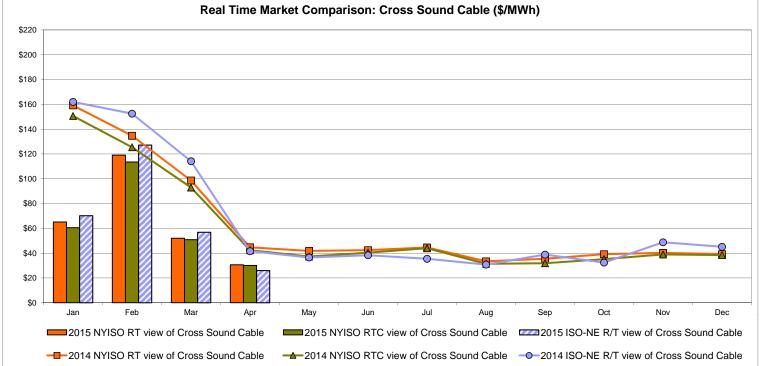
External Comparison Ontario IESO



Notes: Exchange factor used for April 2015 was 0.81507 to US HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price



External Controllable Line: Cross Sound Cable (New England)

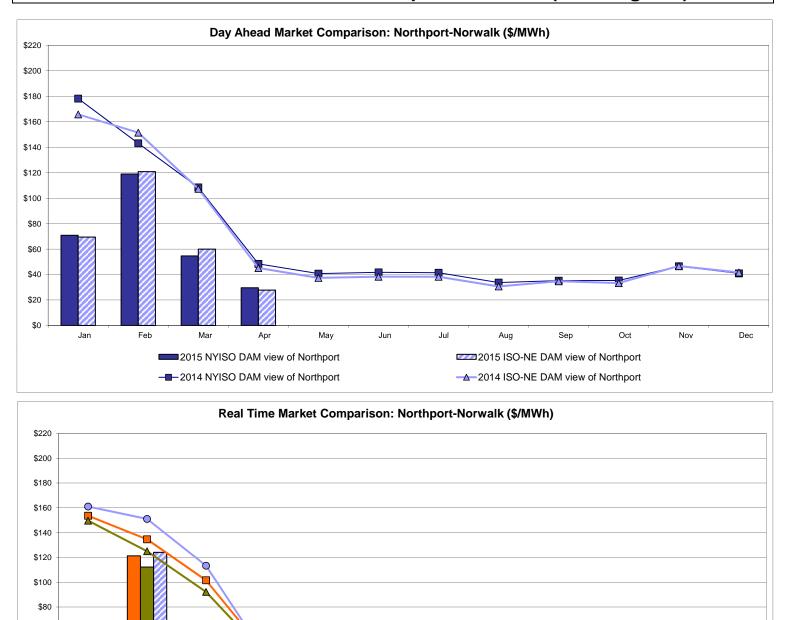


Note:

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:

\$60 \$40 \$20 \$0

Jar

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

2015 NYISO RT view of Northport

-2014 NYISO RT view of Northport

Feb

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

Mar

Apr

May

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

Jun

2015 NYISO RTC view of Northport

→ 2014 NYISO RTC view of Northport

Jul

Aug

Sep

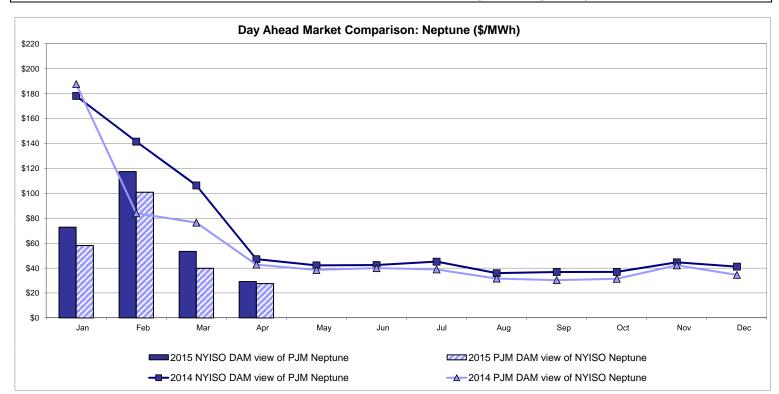
Oct

Nov

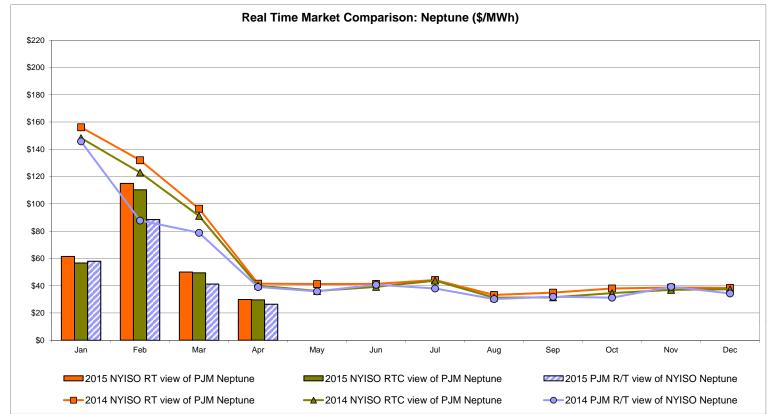
2015 ISO-NE R/T view of Northport

-O-2014 ISO-NE R/T view of Northport

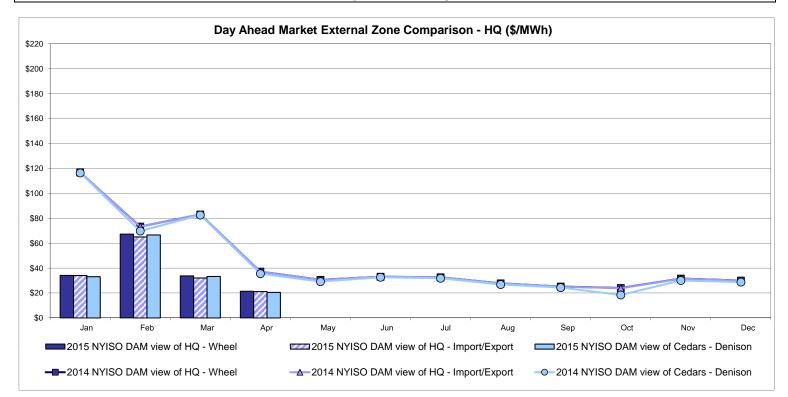
Dec

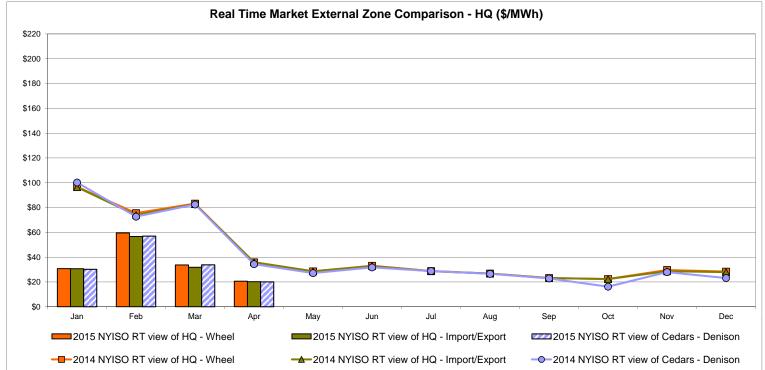


External Controllable Line: Neptune (PJM)



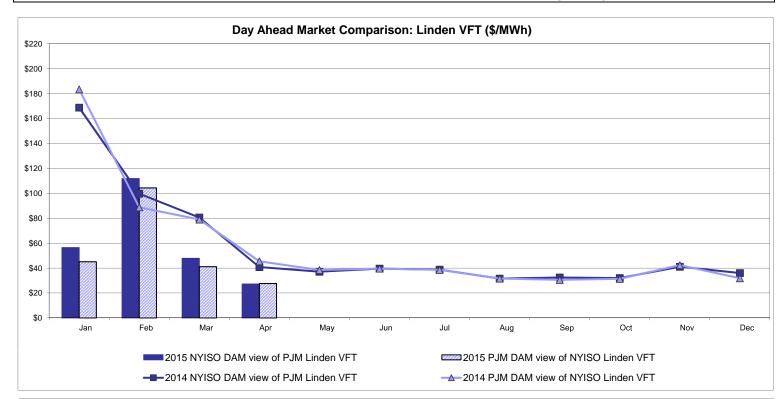
External Comparison Hydro-Quebec



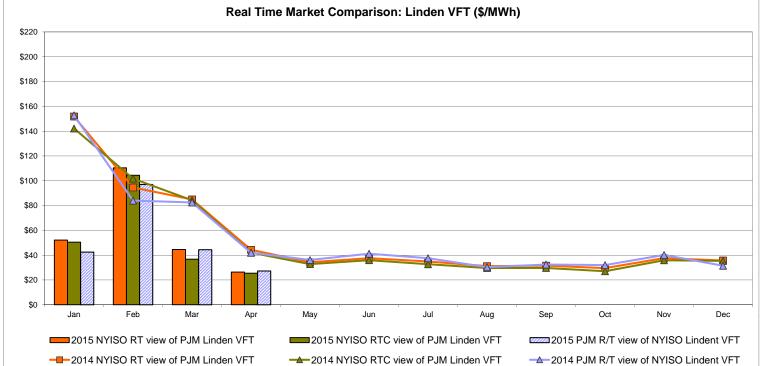


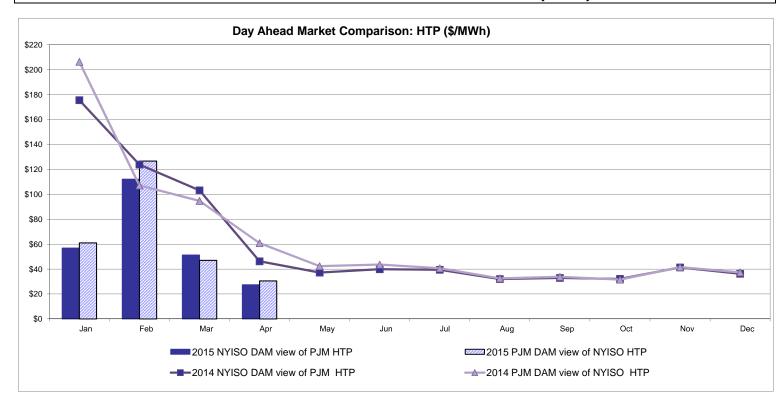
Note:

Hydro-Quebec Prices are unavailable.

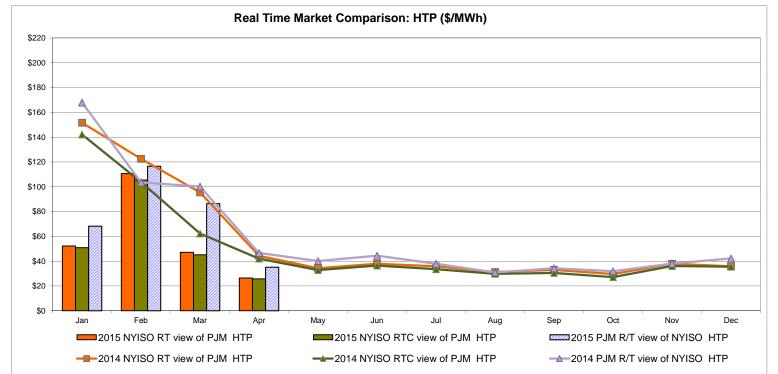


External Controllable Line: Linden VFT (PJM)





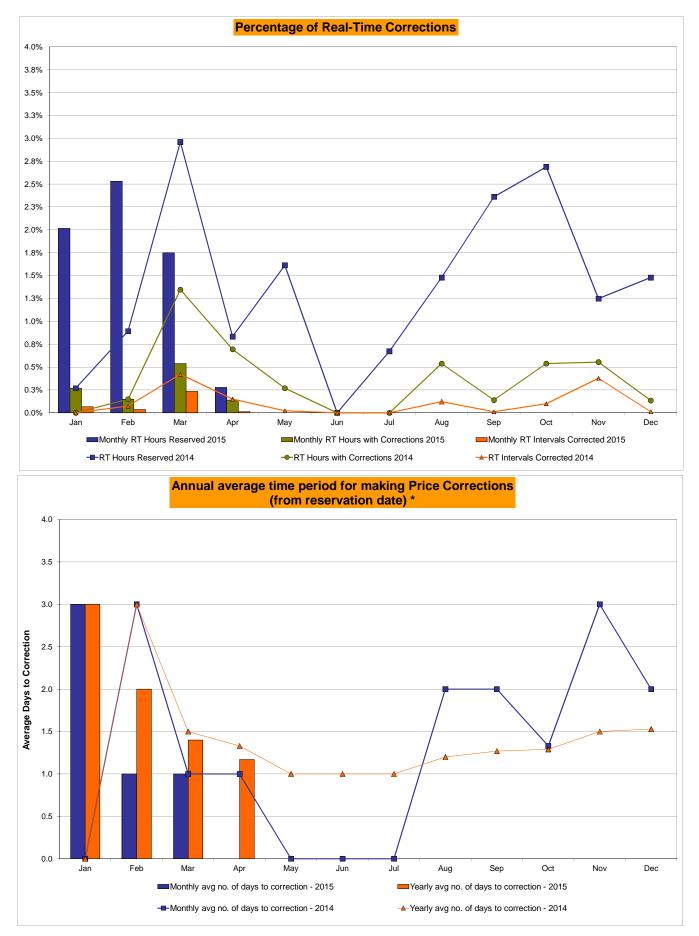
External Controllable Line: Hudson (PJM)



NYISO Real Time Price Correction Statistics

2015		January	February	March	<u>April</u>	<u>May</u>	June	July	August	<u>September</u>	<u>October</u>	November	December
Hour Corrections Number of hours with corrections	in the month	2	1	4	1								
Number of hours	in the month in the month	2 744	672	4 743	720								
% of hours with corrections	in the month	0.27%	0.15%	0.54%	0.14%								
70 of fibers with corrections	in the month		0.1070	0.0470	0.1470								
% of hours with corrections	year-to-date	0.27%	0.21%	0.32%	0.28%								
Interval Corrections													
Number of intervals corrected	in the month	6	3	21	1								
Number of intervals	in the month	9,066	8,231	9,005	8,696								
% of intervals corrected	in the month	0.07%	0.04%	0.23%	0.01%								
% of intervals corrected	year-to-date	0.07%	0.05%	0.11%	0.09%								
Hours Reserved													
Number of hours reserved	in the month	15	17	13	2								
Number of hours	in the month	744	672	743	720								
% of hours reserved	in the month	2.02%	2.53%	1.75%	0.28%								
% of hours reserved	year-to-date	2.02%	2.26%	2.08%	1.63%								
Days to Correction *	•												
Avg. number of days to correction	in the month	3.00	1.00	1.00	0.00								
Avg. number of days to correction	year-to-date	3.00	2.00	1.40	1.17								
Days Without Corrections													
Days without corrections	in the month	30	27	28	29								
Days without corrections	year-to-date	30	57	85	114								
2014		January	February	March	April	May	June	. lutv	August	September	October	November	December
2014 Hour Corrections		<u>January</u>	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>
Hour Corrections	in the month	<u>.</u>	<u>.</u>										
Hour Corrections Number of hours with corrections	in the month	0	1	10	5	2	0	0	4	1	4	4	1
Hour Corrections	in the month in the month in the month	<u>.</u>	<u>.</u>										
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	0 744 0.00%	1 672 0.15%	10 743 1.35%	5 720 0.69%	2 744 0.27%	0 720 0.00%	0 744 0.00%	4 744 0.54%	1 720 0.14%	4 744 0.54%	4 721 0.55%	1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month	0 744	1 672	10 743	5 720	2 744	0 720	 0 744	4 744	1 720	4 744	4 721	1 744
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 year-to-date	0 744 0.00% 0.00%	1 672 0.15% 0.07%	10 743 1.35% 0.51%	5 720 0.69% <u>0.56%</u>	2 744 0.27% 0.50%	0 720 0.00% 0.41%	0 744 0.00% 0.35%	4 744 0.54% 0.38%	1 720 0.14% 0.35%	4 744 0.54% 0.37%	4 721 0.55% 0.39%	1 744 0.13% 0.37%
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%	1 672 0.15% 0.07%	10 743 1.35% 0.51% 38	5 720 0.69% 0.56%	2 744 0.27% 0.50%	0 720 0.00% 0.41%	0 744 0.00% 0.35% 0	4 744 0.54% 0.38%	1 720 0.14% 0.35% 1	4 744 0.54% <u>0.37%</u> 9	4 721 0.55% 0.39% 33	1 744 0.13% <u>0.37%</u> 1
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections <u>Number of intervals corrected</u> 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 9,232	1 672 0.15% 0.07% 6 8,205	10 743 1.35% 0.51% 38 9,023	5 720 0.69% 0.56% 13 8,720	2 744 0.27% 0.50% 2 9,030	0 720 0.00% 0.41% 0 8,729	0 744 0.00% 0.35% 0 8,999	4 744 0.54% 0.38% 11 8,975	1 720 0.14% 0.35% 1 8,779	4 744 0.54% <u>0.37%</u> 9 9,026	4 721 0.55% 0.39% 33 8,763	1 744 0.13% <u>0.37%</u> 1 9,030
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> 0 9,232 0.00%	1 672 0.15% 0.07% 6 8,205 0.07%	10 743 1.35% 0.51% 38 9,023 0.42%	5 720 0.69% 0.56% 13 8,720 0.15%	2 744 0.27% 0.50% 2 9,030 0.02%	0 720 0.00% 0.41% 0 8,729 0.00%	0 744 0.00% 0.35% 0 8,999 0.00%	4 744 0.54% 0.38% 11 8,975 0.12%	1 720 0.14% 0.35% 1 8,779 0.01%	4 744 0.54% 0.37% 9 9,026 0.10%	4 721 0.55% 0.39% 33 8,763 0.38%	1 744 0.13% <u>0.37%</u> 1 9,030 0.01%
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 corrected % of intervals corrected % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month	0 744 0.00% 0.00% 0 9,232	1 672 0.15% 0.07% 6 8,205	10 743 1.35% 0.51% 38 9,023	5 720 0.69% 0.56% 13 8,720	2 744 0.27% 0.50% 2 9,030	0 720 0.00% 0.41% 0 8,729	0 744 0.00% 0.35% 0 8,999	4 744 0.54% 0.38% 11 8,975	1 720 0.14% 0.35% 1 8,779	4 744 0.54% <u>0.37%</u> 9 9,026	4 721 0.55% 0.39% 33 8,763	1 744 0.13% <u>0.37%</u> 1 9,030
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% <u>0.00%</u> 0 9,232 0.00% 0.00%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12%	1 744 0.13% <u>0.37%</u> 1 9,030 0.01% 0.11%
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% 9,232 0.00% 0.00% 2	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22	5 720 0.69% 0.56% 13 8,720 0.15% 0.15% 0.16%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9	1 744 0.13% <u>0.37%</u> 1 9,030 0.01% <u>0.11%</u> 11
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 Number of hours	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% 9,232 0.00% 0.00% 2 744	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 6 672	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744
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% 9,232 0.00% 0.00% 2	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22	5 720 0.69% 0.56% 13 8,720 0.15% 0.15% 0.16%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9	1 744 0.13% <u>0.37%</u> 1 9,030 0.01% <u>0.11%</u> 11
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 corrected % of intervals corrected % of intervals corrected % of intervals corrected % of intervals corrected Mumber of hours reserved Number of hours reserved % 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% 9,232 0.00% 0.00% 2 744	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 6 672	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744
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 Mumber 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 9,232 0.00% 0.00% 2 744 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 6 672 0.89%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720 0.83%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67%	4 744 0.54% 0.38% 11 8,975 0.12% 0.12% 0.10% 11 744 1.48%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25%	1 744 0.13% <u>0.37%</u> 1 9,030 0.01% 0.11% 11 744 1.48%
Hour Corrections Number of hours with corrections % of hours with corrections % of hours with corrections Mumber of intervals corrected Number of intervals corrected % 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 year-to-date in the month	0 744 0.00% 0.00% 9,232 0.00% 0.00% 2 744 0.27% 0.27% 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 6 672 0.89% 0.56% 3.00	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39% 1.00	5 720 0.69% 0.56% 13 8,720 0.15% 0.15% 0.16% 6 720 0.83% 1.25% 1.00	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32% 0.00	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00% 1.11% 0.00	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04% 0.00	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10% 2.00	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24% 2.00	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38% 1.33	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37% 3.00	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38% 2.00
Hour Corrections Number of hours with corrections % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number 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% 9,232 0.00% 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 6 6 72 0.89% 0.56%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39%	5 720 0.69% 0.56% 13 8,720 0.15% 0.15% 0.16% 6 720 0.83% 1.25%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00% 1.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38%
Hour Corrections Number of hours with corrections % 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 Avg. number of 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 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% 9,232 0.00% 0.00% 2 744 0.27% 0.27% 0.00 0.00	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 6 672 0.89% 0.56% 3.00 3.00	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39% 1.00 1.50	5 720 0.69% 0.56% 13 8,720 0.15% 0.15% 0.16% 6 720 0.83% 1.25% 1.00 1.33	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32% 0.00 1.00	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00% 1.11% 0.00 1.00	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04% 0.00 1.00	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10% 2.00 1.20	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24% 2.00 1.27	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38% 1.33 1.29	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37% 3.00 1.50	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38% 2.00 1.53
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 in the month year-to-date	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27% 0.27% 0.27% 0.00 0.00 31	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 6 672 0.89% 0.56% 3.00 3.00 3.00	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39% 1.00 1.50 28	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720 0.83% 1.25% 1.00 1.33 28	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32% 0.00 1.00 29	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00% 1.11% 0.00 1.00 30	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04% 0.00 1.00 31	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10% 2.00 1.20 29	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24% 2.00 1.27 29	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38% 1.33 1.29 28	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37% 3.00 1.50 28	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38% 2.00 1.53 30
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 Mumber of hours reserved Number of hours reserved % of hours reserved % of hours reserved % of hours reserved Avg. number of 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 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% 9,232 0.00% 0.00% 2 744 0.27% 0.27% 0.00 0.00	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 6 672 0.89% 0.56% 3.00 3.00	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39% 1.00 1.50	5 720 0.69% 0.56% 13 8,720 0.15% 0.15% 0.16% 6 720 0.83% 1.25% 1.00 1.33	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32% 0.00 1.00	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00% 1.11% 0.00 1.00	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04% 0.00 1.00	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10% 2.00 1.20	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24% 2.00 1.27	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38% 1.33 1.29	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37% 3.00 1.50	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38% 2.00 1.53

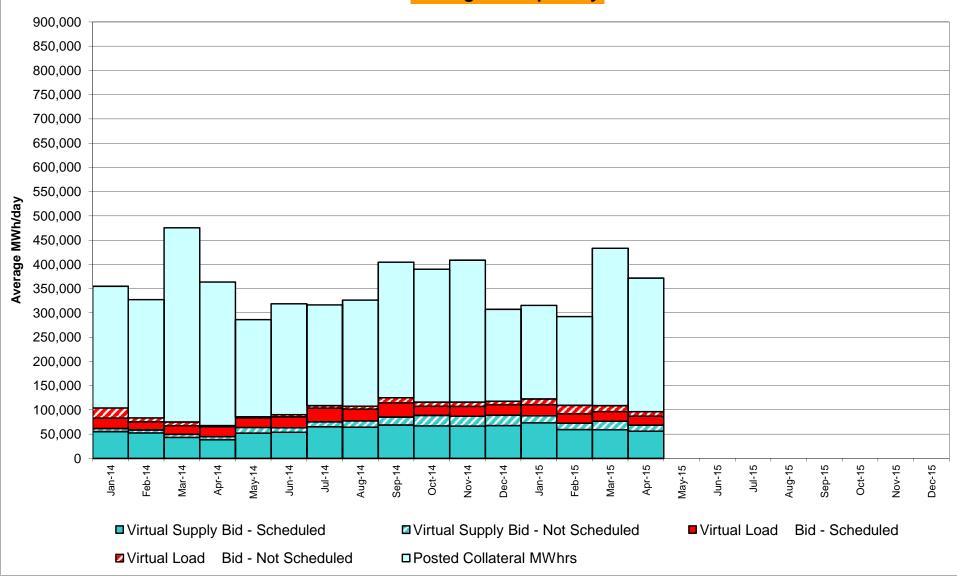
* Calendar days from reservation date.



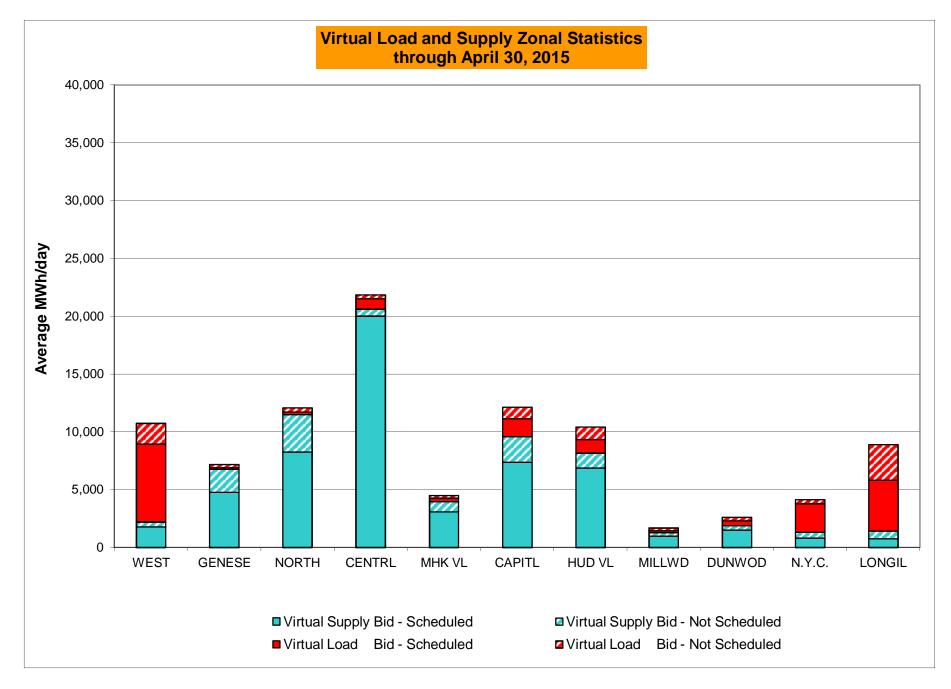
* Calendar days from reservation date.

Market Mitigation and Analysis Prepared: 5/4/2015 4:22 PM

NYISO Virtual Trading Average MWh per day



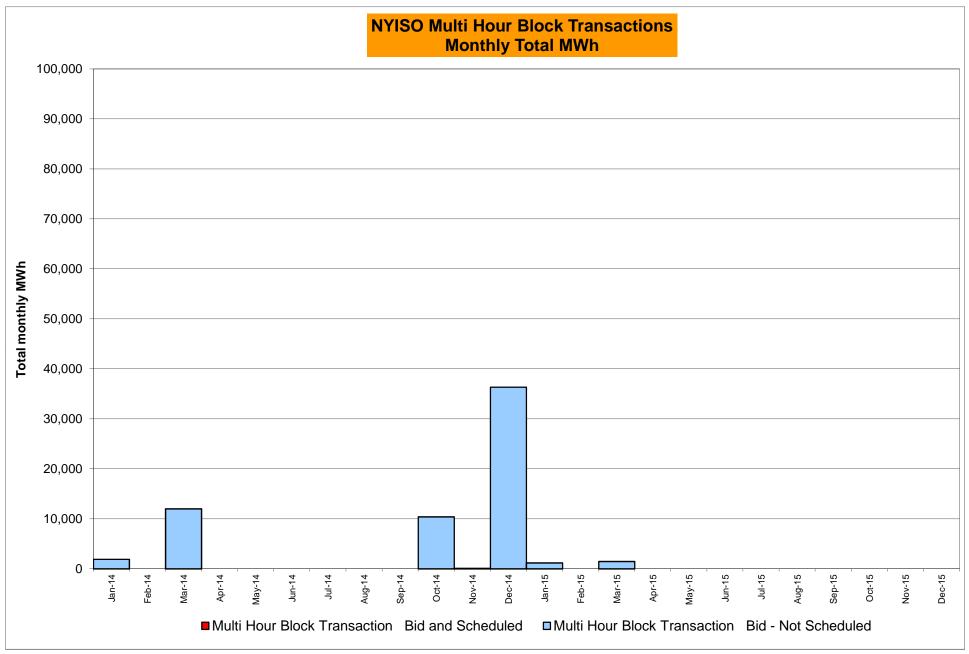
Market Mitigation and Analysis Prepared: 5/6/2015 2:13 PM



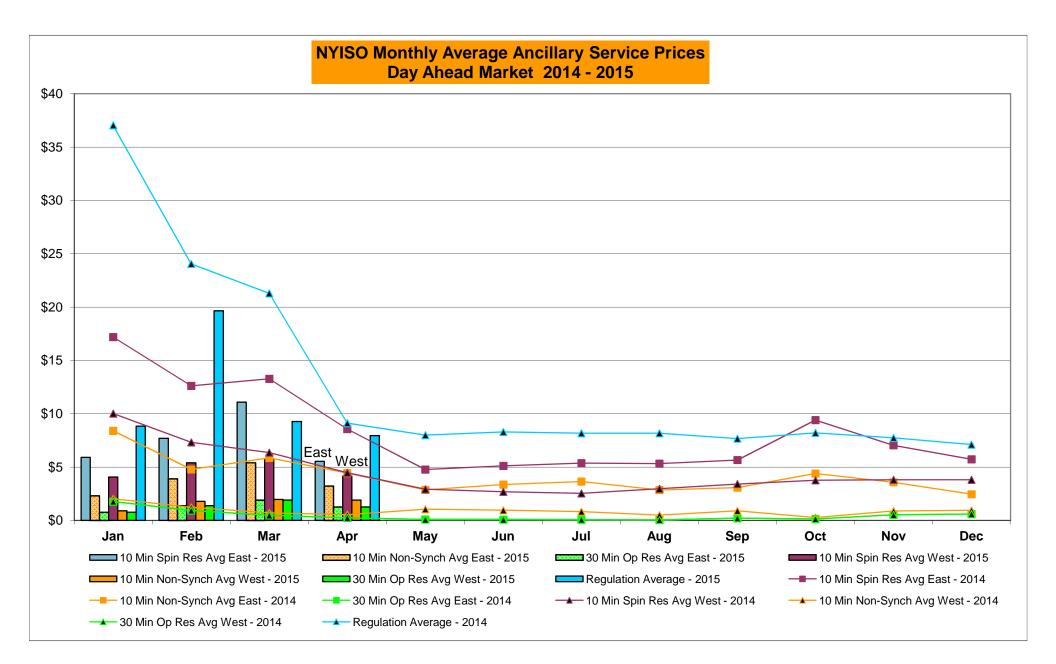
Market Mitigation and Analysis Prepared: 5/4/2015 3:23 PM

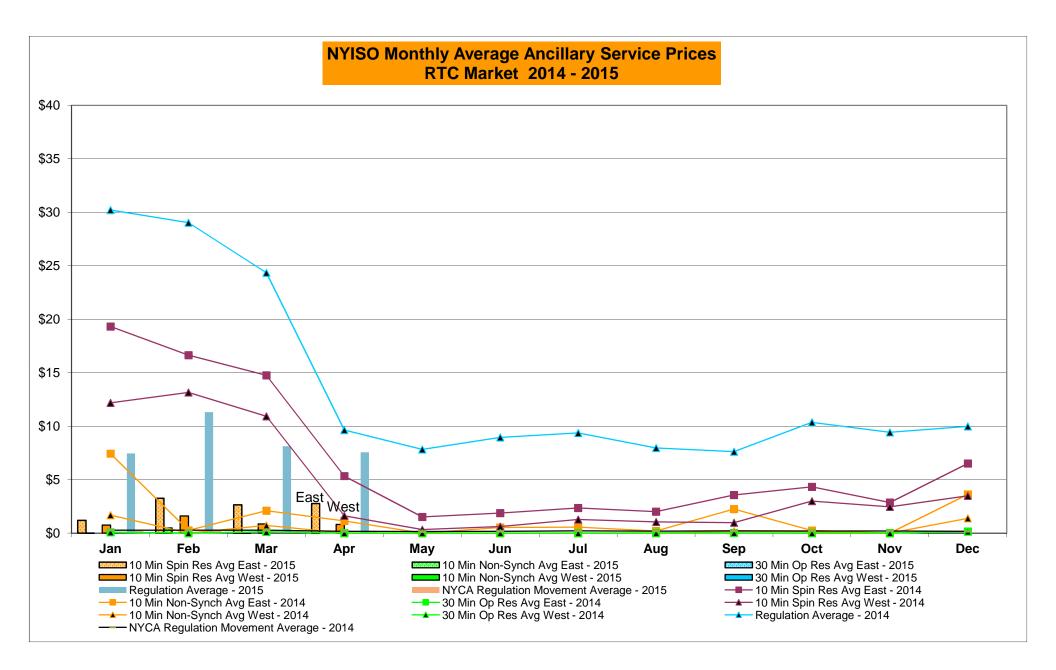
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2015

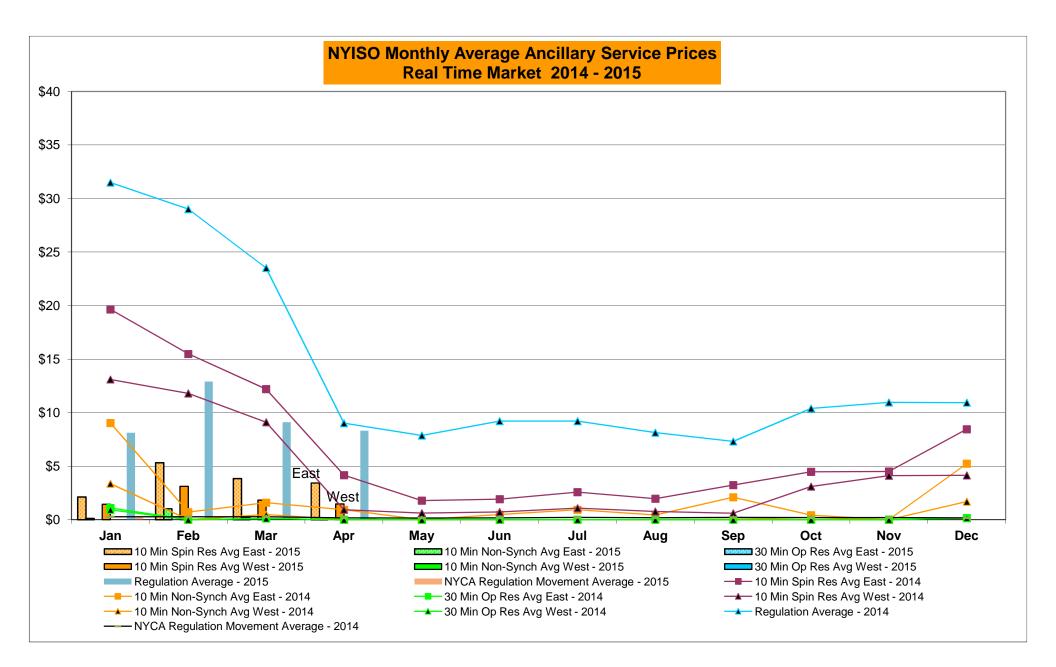
		Virtual L		Virtual S				Virtual L		Virtual Su				Virtual L	oad Bid	Virtual St	
Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled
WEST	Jan-15	6,244	977	3,837	688	MHK VL	Jan-15	534	185	1,757	1,021	DUNWOD	Jan-15	669	444	831	166
	Feb-15	3,180		3,288	936		Feb-15		790	1,446			Feb-15				
	Mar-15	5,796		3,185	1,223		Mar-15		458	2,120	718		Mar-15		566		536
	Apr-15	6,734	1,797	1,790	419		Apr-15		226	3,094	867		Apr-15		299	1,517	366
	May-15					_	May-15						May-15				
	Jun-15						Jun-15						Jun-15				
	Jul-15						Jul-15						Jul-15				
	Aug-15					_	Aug-15						Aug-15				
	Sep-15					_	Sep-15						Sep-15				
	Oct-15					_	Oct-15						Oct-15				
	Nov-15						Nov-15						Nov-15				
	Dec-15						Dec-15						Dec-15				
GENESE	Jan-15	444		9,467	1,422	CAPITL	Jan-15		1,292	9,400	1,563	N.Y.C.	Jan-15		1,572		2,429
	Feb-15	229		7,477	1,425		Feb-15		3,267	6,354	2,035		Feb-15		2,375		690
	Mar-15	452		7,559	2,735		Mar-15		2,029	6,772			Mar-15		1,133		1,593
	Apr-15	161	254	4,771	1,991	_	Apr-15		991	7,368	2,215		Apr-15		377	808	500
	May-15					_	May-15						May-15				
	Jun-15					_	Jun-15						Jun-15				
	Jul-15					_	Jul-15						Jul-15				
	Aug-15						Aug-15						Aug-15				
	Sep-15						Sep-15						Sep-15				
	Oct-15						Oct-15						Oct-15				
	Nov-15						Nov-15						Nov-15				
	Dec-15						Dec-15						Dec-15	5			
NORTH	Jan-15	537	300	7,590	2,868		Jan-15	1,006	1,747	4,703	2,133	LONGIL	Jan-15	5,510	3,925	547	1,487
	Feb-15	274		7,361	1,898		Feb-15		2,147	2,841	2,800		Feb-15		3,985	613	
	Mar-15	422		6,213	2,540	_	Mar-15		1,578	5,045			Mar-15	,	2,844	464	1,719
	Apr-15	223		8,249	3,243	-	Apr-15		1,056	6,875			Apr-15		3,064	760	
	May-15			0,210	-,		May-15		.,	-,	.,		May-15		-,		
	Jun-15						Jun-15						Jun-15				
	Jul-15						Jul-15						Jul-15				
	Aug-15						Aug-15						Aug-15	5			
	Sep-15						Sep-15						Sep-15				
	Oct-15						Oct-15						Oct-15	i			
	Nov-15						Nov-15						Nov-15	i			
	Dec-15						Dec-15						Dec-15	5			
CENTRL	Jan-15	2,414	939	33,426	776	MILLWD	Jan-15	418	244	716	192	NYISO	Jan-15	22,958	11,774	73,161	14,746
SCULLE	Feb-15	2,414	1,265	28,050	579		Feb-15		674	627		11100	Feb-15	,	17,506	59,440	,
	Mar-15	1,168		24,644	587	-	Mar-15		389	947			Mar-15		12,449		17,619
	Apr-15	927		20,024	588	-	Apr-15		239	979			Apr-15	-,	8,979		12,458
	May-15	521	511	20,024	000	-	May-15		209	515	230		May-15		0,979	50,204	12,400
	Jun-15					-	Jun-15						Jun-15				
	Jul-15					-	Jul-15						Jul-15				
	Aug-15					-	Aug-15						Aug-15				
	Sep-15						Sep-15						Sep-15	i			
	Oct-15					-	Oct-15						Oct-15				
	Nov-15					-	Nov-15						Nov-15				
	Dec-15						Dec-15						Dec-15				



Market Mitigation and Analysis Prepared: 5/4/2015 3:36 PM

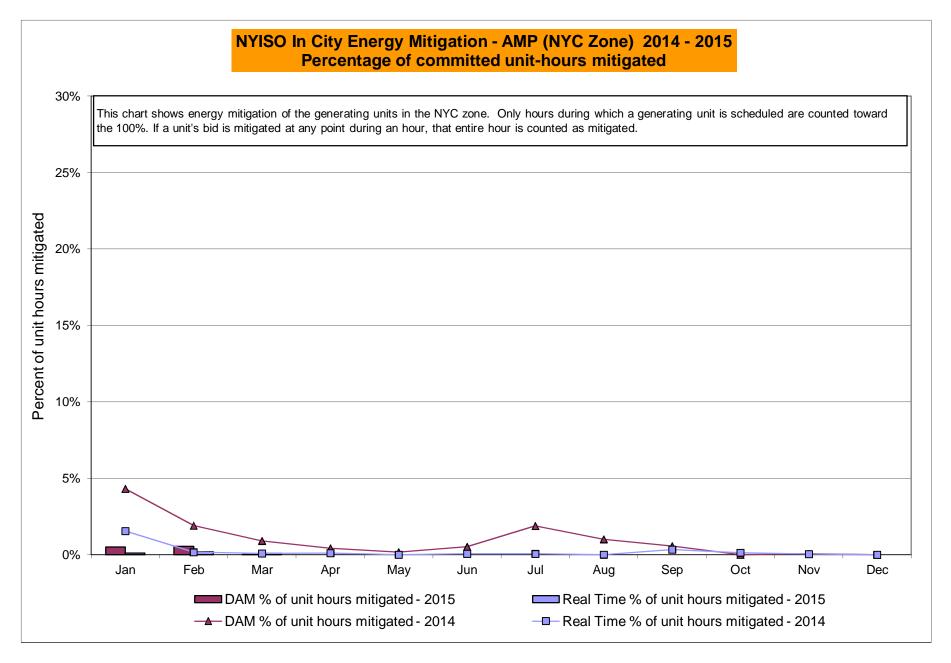


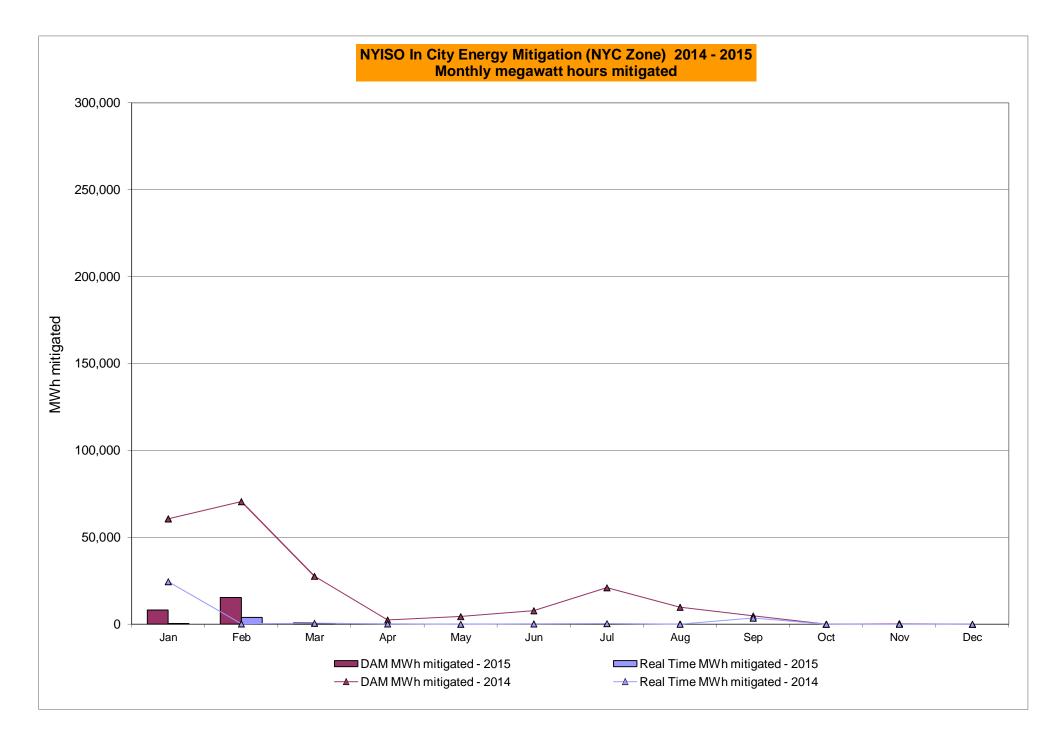


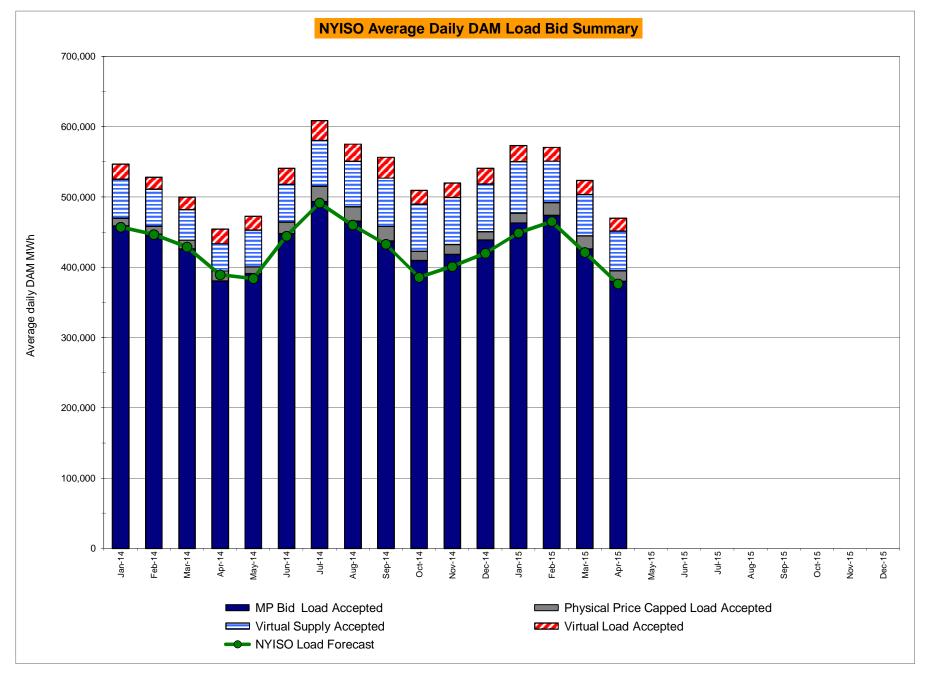


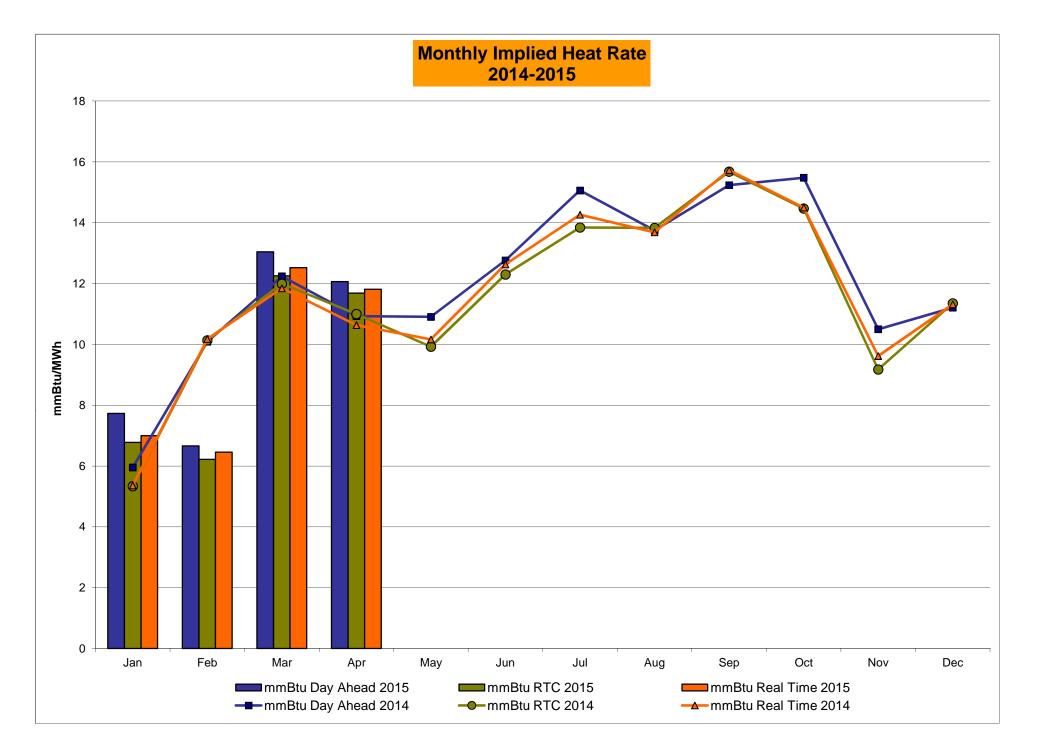
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

2015	January	February	March	April	May	June	July	August	<u>September</u>	October	November	December
Day Ahead Market 10 Min Spin East	5.00	7.00	11.09	5.53								
10 Min Spin East	5.92 4.07	7.69 5.40	5.68	5.53 4.16								
10 Min Non Synch East	2.30	3.89	5.40	3.22								
10 Min Non Synch West	0.90	1.79	5.40 1.97	3.22 1.91								
30 Min East	0.90	1.79	1.97	1.26								
30 Min West	0.77			1.26								
		1.38	1.91									
Regulation	8.84	19.65	9.27	7.94								
RTC Market												
10 Min Spin East	1.20	3.27	2.64	2.77								
10 Min Spin West	0.74	1.61	0.86	0.81								
10 Min Non Synch East	0.01	0.48	0.01	0.00								
10 Min Non Synch West	0.00	0.00	0.00	0.00								
30 Min East	0.00	0.00	0.00	0.00								
30 Min West	0.00	0.00	0.00	0.00								
Regulation	7.45	11.32	8.13	7.56								
NYCA Regulation Movement	0.21	0.21	0.16	0.22								
Real Time Market												
10 Min Spin East	2.12	5.31	3.84	3.44								
10 Min Spin West	1.44	3.11	1.83	1.46								
10 Min Non Synch East	0.12	1.03	0.17	0.01								
10 Min Non Synch West	0.00	0.00	0.00	0.00								
30 Min East	0.00	0.00	0.00	0.00								
30 Min West	0.00	0.00	0.00	0.00								
Regulation	8.12	12.91	9.11	8.32								
NYCA Regulation Movement	0.20	0.21	0.17	0.15								
NTCA Regulation Movement	0.20	0.21	0.17	0.15								
<u>2014</u>	<u>January</u>	February	March	<u>April</u>	May	June	July	<u>August</u>	September	<u>October</u>	November	December
Day Ahead Market									-			
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	5.73
Day Ahead Market 10 Min Spin East 10 Min Spin West	17.19 10.02	12.62 7.32	13.27 6.36	8.57 4.47	4.77 2.92	5.11 2.69	5.37 2.54	5.33 2.96	5.66 3.41	9.41 3.76	7.04 3.82	5.73 3.82
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East	17.19 10.02 8.40	12.62 7.32 4.78	13.27 6.36 5.86	8.57 4.47 4.44	4.77 2.92 2.86	5.11 2.69 3.37	5.37 2.54 3.65	5.33 2.96 2.85	5.66 3.41 3.08	9.41 3.76 4.40	7.04 3.82 3.58	5.73 3.82 2.45
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West	17.19 10.02 8.40 2.02	12.62 7.32 4.78 1.23	13.27 6.36 5.86 0.70	8.57 4.47 4.44 0.55	4.77 2.92 2.86 1.06	5.11 2.69 3.37 0.96	5.37 2.54 3.65 0.83	5.33 2.96 2.85 0.49	5.66 3.41 3.08 0.91	9.41 3.76 4.40 0.27	7.04 3.82 3.58 0.89	5.73 3.82 2.45 0.95
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East	17.19 10.02 8.40 2.02 1.77	12.62 7.32 4.78 1.23 0.93	13.27 6.36 5.86 0.70 0.47	8.57 4.47 4.44 0.55 0.24	4.77 2.92 2.86 1.06 0.09	5.11 2.69 3.37 0.96 0.08	5.37 2.54 3.65 0.83 0.08	5.33 2.96 2.85 0.49 0.04	5.66 3.41 3.08 0.91 0.21	9.41 3.76 4.40 0.27 0.14	7.04 3.82 3.58 0.89 0.53	5.73 3.82 2.45 0.95 0.60
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	17.19 10.02 8.40 2.02 1.77 1.77	12.62 7.32 4.78 1.23 0.93 0.93	13.27 6.36 5.86 0.70 0.47 0.47	8.57 4.47 4.44 0.55 0.24 0.24	4.77 2.92 2.86 1.06 0.09 0.09	5.11 2.69 3.37 0.96 0.08 0.08	5.37 2.54 3.65 0.83 0.08 0.08	5.33 2.96 2.85 0.49 0.04 0.04	5.66 3.41 3.08 0.91 0.21 0.21	9.41 3.76 4.40 0.27 0.14 0.14	7.04 3.82 3.58 0.89 0.53 0.53	5.73 3.82 2.45 0.95 0.60 0.60
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East	17.19 10.02 8.40 2.02 1.77	12.62 7.32 4.78 1.23 0.93	13.27 6.36 5.86 0.70 0.47	8.57 4.47 4.44 0.55 0.24	4.77 2.92 2.86 1.06 0.09	5.11 2.69 3.37 0.96 0.08	5.37 2.54 3.65 0.83 0.08	5.33 2.96 2.85 0.49 0.04	5.66 3.41 3.08 0.91 0.21	9.41 3.76 4.40 0.27 0.14	7.04 3.82 3.58 0.89 0.53	5.73 3.82 2.45 0.95 0.60
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	17.19 10.02 8.40 2.02 1.77 1.77	12.62 7.32 4.78 1.23 0.93 0.93	13.27 6.36 5.86 0.70 0.47 0.47	8.57 4.47 4.44 0.55 0.24 0.24	4.77 2.92 2.86 1.06 0.09 0.09	5.11 2.69 3.37 0.96 0.08 0.08	5.37 2.54 3.65 0.83 0.08 0.08	5.33 2.96 2.85 0.49 0.04 0.04	5.66 3.41 3.08 0.91 0.21 0.21	9.41 3.76 4.40 0.27 0.14 0.14	7.04 3.82 3.58 0.89 0.53 0.53	5.73 3.82 2.45 0.95 0.60 0.60
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 RTC Market	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93	13.27 6.36 5.86 0.70 0.47 0.47 21.29	8.57 4.47 4.44 0.55 0.24 0.24 9.12	4.77 2.92 2.86 1.06 0.09 0.09 7.99	5.11 2.69 3.37 0.96 0.08 0.08 8.30	5.37 2.54 3.65 0.83 0.08 0.08 8.18	5.33 2.96 2.85 0.49 0.04 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67	9.41 3.76 4.40 0.27 0.14 0.14 8.21	7.04 3.82 3.58 0.89 0.53 0.53 7.74	5.73 3.82 2.45 0.95 0.60 0.60 7.12
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 RTC Market 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34	4.77 2.92 2.86 1.06 0.09 0.09 7.99	5.11 2.69 3.37 0.96 0.08 0.08 8.30	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35	5.33 2.96 2.85 0.49 0.04 0.04	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51
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 RTC Market	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05	13.27 6.36 5.86 0.70 0.47 0.47 21.29	8.57 4.47 4.44 0.55 0.24 0.24 9.12	4.77 2.92 2.86 1.06 0.09 0.09 7.99	5.11 2.69 3.37 0.96 0.08 0.08 8.30	5.37 2.54 3.65 0.83 0.08 0.08 8.18	5.33 2.96 2.85 0.49 0.04 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67	9.41 3.76 4.40 0.27 0.14 0.14 8.21	7.04 3.82 3.58 0.89 0.53 0.53 7.74	5.73 3.82 2.45 0.95 0.60 0.60 7.12
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 RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62
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 RTC Market 10 Min Spin East 10 Min Spin West	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68	12.62 7.32 4.78 1.23 0.93 24.05 16.64 13.16 0.26 0.00	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulationRTC Market10 Min Spin East10 Min Spin West10 Min Spin West10 Min Spin West10 Min Non Synch East10 Min Non Synch East10 Min Non Synch West10 Min Non Synch West10 Min Non Synch West10 Min Non Synch West	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25	9.41 3.76 4.40 0.27 0.14 8.21 4.32 2.99 0.25	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62
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 RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08	12.627.324.781.230.9324.0516.6413.160.260.000.00	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72 0.12	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00	$\begin{array}{c} 4.77\\ 2.92\\ 2.86\\ 1.06\\ 0.09\\ 0.09\\ 7.99\\ \end{array}$	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00	5.37 2.54 3.65 0.83 0.08 8.18 2.35 1.27 0.55 0.00 0.00	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15
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 RTC Market 10 Min Spin East 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min Non Synch West 30 Min Non Synch West 30 Min Kast 30 Min West	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08	$12.62 \\ 7.32 \\ 4.78 \\ 1.23 \\ 0.93 \\ 0.93 \\ 24.05 \\ 16.64 \\ 13.16 \\ 0.26 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 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 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.0$	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72 0.12 0.12	$\begin{array}{c} 8.57 \\ 4.47 \\ 4.44 \\ 0.55 \\ 0.24 \\ 9.12 \\ \\ 5.34 \\ 1.61 \\ 1.14 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ \end{array}$	$\begin{array}{c} 4.77\\ 2.92\\ 2.86\\ 1.06\\ 0.09\\ 0.09\\ 7.99\\ \end{array}$	5.11 2.69 3.37 0.96 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00	5.37 2.54 3.65 0.83 0.08 8.18 2.35 1.27 0.55 0.00 0.00 0.00	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00	7.04 3.82 3.58 0.89 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulationRTC Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min West30 Min West30 Min West30 Min Kest30 Min Kest30 Min KestRegulationNYCA Regulation Movement	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08 30.21	$12.62 \\ 7.32 \\ 4.78 \\ 1.23 \\ 0.93 \\ 0.93 \\ 24.05 \\ 16.64 \\ 13.16 \\ 0.26 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 29.03 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 \\ 12.62 $	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72 0.12 0.12 24.35	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 0.00 7.83	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95	5.37 2.54 3.65 0.83 0.08 8.18 2.35 1.27 0.55 0.00 0.00 0.00 9.36	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 0.00 0.00 7.97	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36	7.04 3.82 3.58 0.89 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 0.00 9.42	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99
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 RTC Market 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Non Synch Kest 30 Min West 10 Min Non Synch West 30 Min East 30 Min East 30 Min Kest Regulation NYCA Regulation Movement Real Time Market	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28	$12.62 \\ 7.32 \\ 4.78 \\ 1.23 \\ 0.93 \\ 0.93 \\ 24.05 \\ 16.64 \\ 13.16 \\ 0.26 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 29.03 \\ 0.27 \\ 0.27 \\ 0.27 \\ 0.27 \\ 0.27 \\ 0.27 \\ 0.22 \\ 0.27 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.22 \\ 0.$	$\begin{array}{c} 13.27\\ 6.36\\ 5.86\\ 0.70\\ 0.47\\ 21.29\\ 14.76\\ 10.93\\ 2.10\\ 0.72\\ 0.12\\ 0.12\\ 24.35\\ 0.26\\ \end{array}$	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64 0.17	$\begin{array}{c} 4.77\\ 2.92\\ 2.86\\ 1.06\\ 0.09\\ 0.09\\ 7.99\\ \end{array}$	5.11 2.69 3.37 0.96 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21	$\begin{array}{c} 9.41\\ 3.76\\ 4.40\\ 0.27\\ 0.14\\ 0.14\\ 8.21\\ \end{array}\\ \begin{array}{c} 4.32\\ 2.99\\ 0.25\\ 0.13\\ 0.00\\ 0.00\\ 10.36\\ 0.20\\ \end{array}$	7.04 3.82 3.58 0.89 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 0.00 9.42 0.20	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
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 Synch West 30 Min Spin East 10 Min Spin East 10 Min Spin East 10 Min Non Synch East 10 Min Non Synch Kest 30 Min East 30 Min East 30 Min East 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28	12.62 7.32 4.78 1.23 0.93 24.05 16.64 13.16 0.26 0.00 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17 4.15	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 0.00 7.83 0.15	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 8.18 2.35 1.27 0.55 0.00 0.00 0.00 9.36 0.21 2.57	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21 3.23	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 0.00 9.42 0.20	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17 8.45
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 RTC Market 10 Min Spin East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin West	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 30.21 0.28 19.64 13.10	12.62 7.32 4.78 1.23 0.93 24.05 16.64 13.16 0.26 0.00 0.00 0.00 0.00 29.03 0.27 15.48 11.80	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26 12.19 9.11	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17 4.15 0.94	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 0.00 7.83 0.15 1.78 0.61	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17 1.92 0.72	5.37 2.54 3.65 0.83 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 0.00 0.00 7.97 0.18 1.96 0.76	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21 3.23 0.60	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 9.42 0.20 4.51 4.12	5.73 3.82 2.45 0.95 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17 8.45 4.14
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 RTC Market 10 Min Non Synch East 10 Min Spin East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min East 30 Min Keat 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 30.21 0.28 19.64 13.10 9.03	12.627.324.781.230.9324.0516.6413.160.260.000.000.0029.030.2715.4811.800.70	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26 12.19 9.11 1.59	$\begin{array}{c} 8.57\\ 4.47\\ 4.44\\ 0.55\\ 0.24\\ 0.24\\ 9.12\\ \hline\\ 5.34\\ 1.61\\ 1.14\\ 0.00\\ 0.00\\ 0.00\\ 9.64\\ 0.17\\ \hline\\ 4.15\\ 0.94\\ 0.93\\ \end{array}$	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 0.00 7.83 0.15 1.78 0.61 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17 1.92 0.72 0.48	5.37 2.54 3.65 0.83 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 0.00 7.97 0.18 1.96 0.76 0.44	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21 3.23 0.60 2.09	$\begin{array}{c} 9.41\\ 3.76\\ 4.40\\ 0.27\\ 0.14\\ 0.14\\ 8.21\\ \end{array}$	$\begin{array}{c} 7.04\\ 3.82\\ 3.58\\ 0.89\\ 0.53\\ 0.53\\ 7.74\\ 2.86\\ 2.46\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 9.42\\ 0.20\\ 4.51\\ 4.12\\ 0.00\\ \end{array}$	5.73 3.82 2.45 0.95 0.60 7.12 6.51 3.48 3.62 1.39 0.15 9.99 0.17 8.45 4.14 5.23
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulationRTC Market10 Min Spin East10 Min Non Synch East10 Min Non Synch East10 Min Non Synch West30 Min East30 Min West30 Min West30 Min West30 Min West30 Min East30 Min East30 Min East30 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West10 Min Non Synch West	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 30.21 0.28 19.64 13.10 9.03 3.37	12.627.324.781.230.9324.0516.6413.160.260.000.0029.030.2715.4811.800.700.00	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26 12.19 9.11 1.59 0.48	$\begin{array}{c} 8.57\\ 4.47\\ 4.44\\ 0.55\\ 0.24\\ 0.24\\ 9.12\\ \hline\\ 5.34\\ 1.61\\ 1.14\\ 0.00\\ 0.00\\ 0.00\\ 9.64\\ 0.17\\ \hline\\ 4.15\\ 0.94\\ 0.93\\ 0.00\\ \end{array}$	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 0.00 0.00 7.83 0.15 1.78 0.61 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 0.00 8.95 0.17 1.92 0.72 0.48 0.00	5.37 2.54 3.65 0.83 0.08 8.18 2.35 1.27 0.55 0.00 0.00 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 0.00 0.00 7.97 0.18 1.96 0.76 0.44 0.00	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21 3.23 0.60 2.09 0.05	$\begin{array}{c} 9.41\\ 3.76\\ 4.40\\ 0.27\\ 0.14\\ 0.14\\ 8.21\\ \end{array}$	$\begin{array}{c} 7.04\\ 3.82\\ 3.58\\ 0.89\\ 0.53\\ 0.53\\ 7.74\\ 2.86\\ 2.46\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 9.42\\ 0.20\\ 4.51\\ 4.12\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	5.73 3.82 2.45 0.95 0.60 7.12 6.51 3.48 3.62 1.39 0.15 9.99 0.17 8.45 4.14 5.23 1.69
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulationRTC Market10 Min Spin East10 Min Spin East10 Min Non Synch Kest30 Min WestRegulationRTC Market10 Min Non Synch East10 Min Non Synch West30 Min East30 Min KestRegulationNYCA Regulation MovementReal Time Market10 Min Spin East10 Min Spin Kest10 Min Non Synch East10 Min Non Synch East10 Min Non Synch Kest30 Min Kest10 Min Non Synch Kest30 Min Kest10 Min Non Synch Kest30 Min Kest10 Min Non Synch Kest30 Min East30 Min East30 Min East30 Min East30 Min East30 Min East30 Min East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28 19.64 13.10 9.03 3.37 1.10	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27 15.48 11.80 0.70 0.00 0.00	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72 0.12 0.12 24.35 0.26 12.19 9.11 1.59 0.48 0.11	$\begin{array}{c} 8.57\\ 4.47\\ 4.44\\ 0.55\\ 0.24\\ 9.12\\ \hline\\ 5.34\\ 1.61\\ 1.14\\ 0.00\\ 0.00\\ 0.00\\ 9.64\\ 0.17\\ \hline\\ 4.15\\ 0.94\\ 0.93\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 4.77\\ 2.92\\ 2.86\\ 1.06\\ 0.09\\ 0.09\\ 7.99\\ \end{array}$	5.11 2.69 3.37 0.96 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17 1.92 0.72 0.48 0.00 0.00	5.37 2.54 3.65 0.83 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00 0.00 0.00	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 0.00 0.00 7.97 0.18 1.96 0.76 0.44 0.00 0.00	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21 3.23 0.60 2.09 0.05 0.00	$\begin{array}{c} 9.41\\ 3.76\\ 4.40\\ 0.27\\ 0.14\\ 0.14\\ 8.21\\ \end{array}$ $\begin{array}{c} 4.32\\ 2.99\\ 0.25\\ 0.13\\ 0.00\\ 10.36\\ 0.20\\ \end{array}$ $\begin{array}{c} 4.47\\ 3.10\\ 0.42\\ 0.20\\ 0.00\\ \end{array}$	7.04 3.82 3.58 0.89 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 0.00 9.42 0.20 4.51 4.12 0.00 0.00 0.00 0.00 0.00 0.20	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17 8.45 4.14 5.23 1.69 0.16
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min East30 Min WestRegulationRTC Market10 Min Spin East10 Min Spin West10 Min Non Synch West30 Min WostRegulationRTC Market10 Min Non Synch Kest30 Min East30 Min East30 Min East30 Min Spin East30 Min Spin East10 Min Non Synch West30 Min West10 Min Non Synch West30 Min Non Synch West30 Min Non Synch West30 Min East30 Min East30 Min Kast30 Min Kast30 Min Kast30 Min Kast30 Min Kast30 Min West	$17.19 \\ 10.02 \\ 8.40 \\ 2.02 \\ 1.77 \\ 1.77 \\ 37.05 \\ 19.32 \\ 12.18 \\ 7.43 \\ 1.68 \\ 0.08 \\ 0.08 \\ 30.21 \\ 0.28 \\ 19.64 \\ 13.10 \\ 9.03 \\ 3.37 \\ 1.10 \\ 0.92 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10 \\ 1.10$	12.627.324.781.230.930.9324.0516.6413.160.260.000.000.0029.030.2715.4811.800.700.000.000.000.000.00	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26 12.19 9.11 1.59 0.48 0.11 0.11	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17 4.15 0.94 0.93 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 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 0.00 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 0.00 7.83 0.15 1.78 0.61 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17 1.92 0.72 0.48 0.00 0.00 0.00 0.00 0.00	5.37 2.54 3.65 0.83 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00 0.00 0.00 0.00 0.00 0.00	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 0.00 7.97 0.18 1.96 0.76 0.74 0.00 0.00 0.00 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21 3.23 0.60 2.09 0.05 0.00 0.00	$\begin{array}{c} 9.41\\ 3.76\\ 4.40\\ 0.27\\ 0.14\\ 0.14\\ 8.21\\ \end{array}$	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 0.00 9.42 0.20 4.51 4.12 0.00 0.00 0.00 0.00 0.00 0.00 0.20	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17 8.45 4.14 5.23 1.69 0.16 0.16
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulationRTC Market10 Min Spin East10 Min Spin East10 Min Non Synch Kest30 Min WestRegulationRTC Market10 Min Non Synch East10 Min Non Synch West30 Min East30 Min KestRegulationNYCA Regulation MovementReal Time Market10 Min Spin East10 Min Spin Kest10 Min Non Synch East10 Min Non Synch East10 Min Non Synch Kest30 Min Kest10 Min Non Synch Kest30 Min Kest10 Min Non Synch Kest30 Min Kest10 Min Non Synch Kest30 Min East30 Min East30 Min East30 Min East30 Min East30 Min East30 Min East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28 19.64 13.10 9.03 3.37 1.10	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27 15.48 11.80 0.70 0.00 0.00	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72 0.12 0.12 24.35 0.26 12.19 9.11 1.59 0.48 0.11	$\begin{array}{c} 8.57\\ 4.47\\ 4.44\\ 0.55\\ 0.24\\ 9.12\\ \hline\\ 5.34\\ 1.61\\ 1.14\\ 0.00\\ 0.00\\ 0.00\\ 9.64\\ 0.17\\ \hline\\ 4.15\\ 0.94\\ 0.93\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 4.77\\ 2.92\\ 2.86\\ 1.06\\ 0.09\\ 0.09\\ 7.99\\ \end{array}$	5.11 2.69 3.37 0.96 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17 1.92 0.72 0.48 0.00 0.00	5.37 2.54 3.65 0.83 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00 0.00 0.00	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 0.00 0.00 7.97 0.18 1.96 0.76 0.44 0.00 0.00	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21 3.23 0.60 2.09 0.05 0.00	$\begin{array}{c} 9.41\\ 3.76\\ 4.40\\ 0.27\\ 0.14\\ 0.14\\ 8.21\\ \end{array}$ $\begin{array}{c} 4.32\\ 2.99\\ 0.25\\ 0.13\\ 0.00\\ 10.36\\ 0.20\\ \end{array}$ $\begin{array}{c} 4.47\\ 3.10\\ 0.42\\ 0.20\\ 0.00\\ \end{array}$	7.04 3.82 3.58 0.89 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 0.00 9.42 0.20 4.51 4.12 0.00 0.00 0.00 0.00 0.00 0.20	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17 8.45 4.14 5.23 1.69 0.16

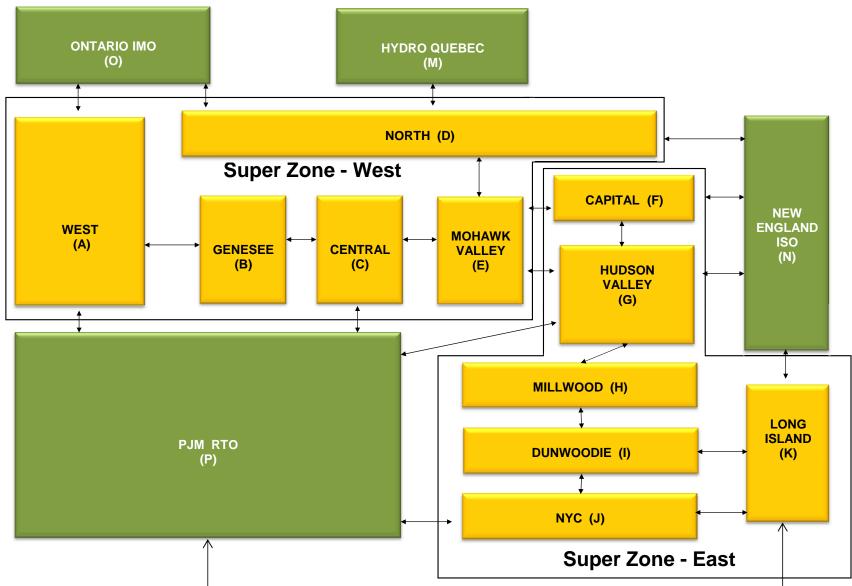








NYISO LBMP ZONES



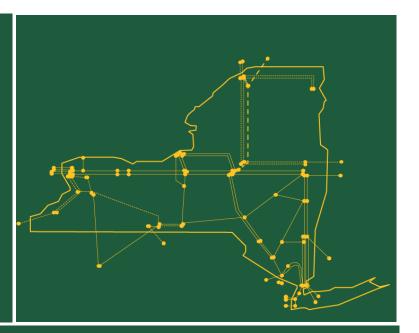
Market Mitigation and Analysis Prepared: 5/4/2015 3:38 PM

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.



www.nyiso.com