

Market Operations Report

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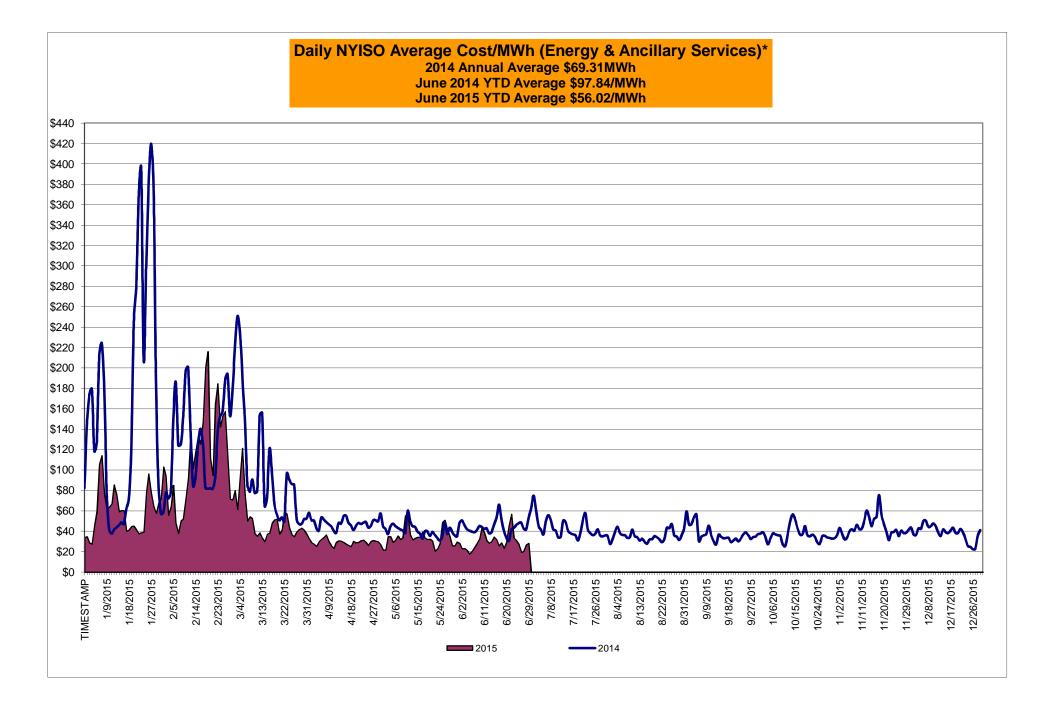
Business Issues Committee Meeting July 15, 2015

Market Performance Highlights for June 2015

- LBMP for June is \$28.19/MWh; lower than \$32.98/MWh in May 2015 and \$43.39/MWh in June 2014.
 - Day Ahead and Real Time Load Weighted LBMPs are lower compared to May.
 - This is the lowest LBMP for the month of June during NYISO operation.
- June 2015 average year-to-date monthly cost of \$56.02/MWh is a 43% decrease from \$97.84/MWh in June 2014.
- Average daily sendout is 450 GWh/day in June; higher than 409 GWh/day in May 2015 and lower than 456 GWh/day in June 2014.
- Natural gas and distillate prices were lower compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$2.34/MMBtu, down 11% from \$2.65/MMBtu in May.
 - Transco Z6 NY is down 28% year-over-year
 - Jet Kerosene Gulf Coast was \$12.80/MMBtu, down from \$13.72/MMBtu in May.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$13.45/MMBtu, down from \$14.05/MMBtu in May.
- Distillate prices are down 36% year-over-year
- Uplift per MWh is higher compared to the previous month.
 - Uplift (not including NYISO cost of operations) is \$0.33/MWh; higher than \$0.28/MWh in May.
 - The Local Reliability Share is \$0.37/MWh, higher than \$0.32 in May.
 - The Statewide Share is (\$0.03)/MWh, higher than (\$0.04)/MWh in May.
 - TSA \$ per NYC MWh is \$0.50/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than May.

7/10/2015

Market Mitigation and Analysis



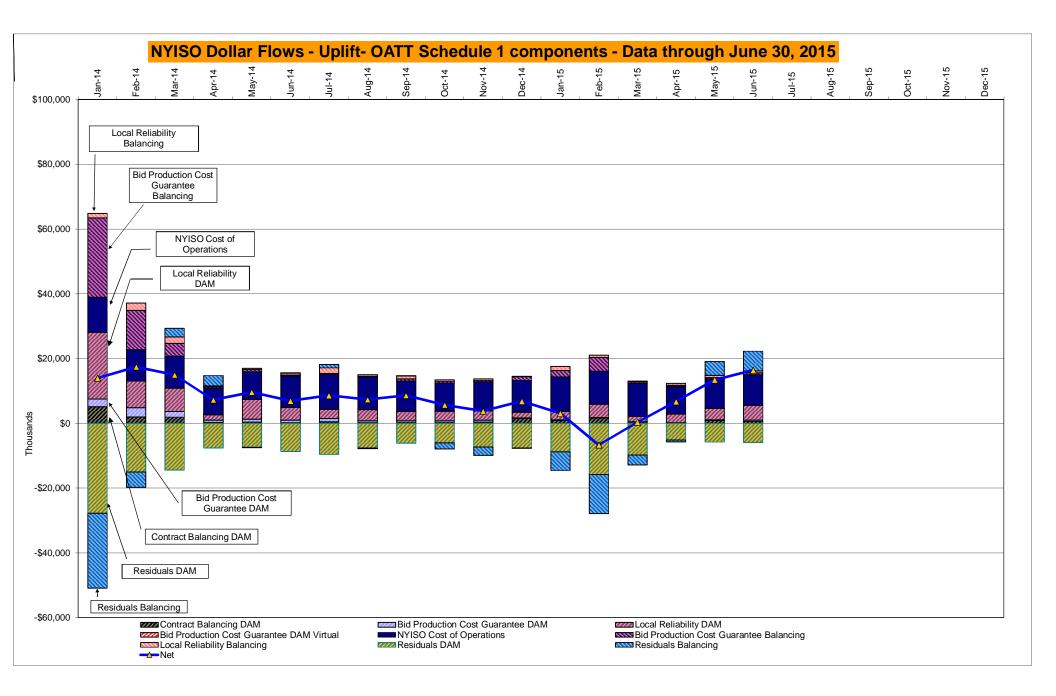
* Excludes ICAP payments.

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

2015	lonuony	February	Marah	April	Mov	luno	h dha	August	Sontombor	Ootobor	November	December
LBMP	<u>January</u> 59.60	<u>February</u> 114.35	<u>March</u> 52.09	<u>April</u> 28.35	<u>May</u> 32.98	<u>June</u> 28.19	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP NTAC	0.32	0.35	52.09 0.42	20.35 0.64	32.96 0.56	0.80						
Reserve	0.32	0.35	0.42	0.84	0.38	0.80						
Regulation	0.27	0.37	0.56	0.30	0.38	0.24						
NYISO Cost of Operations	0.10	0.18	0.11	0.12	0.10	0.13						
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Uplift	(0.50)	(1.17)	(0.68)	(0.14)	0.28	0.33						
Uplift: Local Reliability Share	0.25	0.33	0.13	0.27	0.32	0.37						
Uplift: Statewide Share	(0.75)	(1.49)	(0.81)	(0.41)	(0.04)	(0.03)						
Voltage Support and Black Start	0.39	0.39	0.39	0.39	0.39	0.39						
Avg Monthly Cost	60.88	115.17	53.59	30.42	35.39	30.79						
Avg YTD Cost	60.88	87.68	76.61	66.80	60.95	56.02						
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.17	0.50						
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	0.78	0.43	0.41	0.50	0.57	0.68	0.86
Reserve	0.78	0.49	0.56	0.46	0.28	0.27	0.45	0.26	0.29	0.48	0.37	0.23
Regulation	0.27	0.43	0.30	0.40	0.20	0.12	0.20	0.20	0.23	0.40	0.37	0.23
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	0.09	0.56	0.05	(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	0.24)	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
	186.24	126.14	112.15	48.82	42.51	45.39	45.57	36.14	39.38	37.59	44.71	40.09
Avg Monthly Cost	100.24	120.14	112.15	40.02	42.01	45.59	45.57	30.14	39.30	37.59	44.71	40.09
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	0.20	0.38	0.42	0.38	0.33
Regulation	0.00	0.13	0.40	0.00	0.43	0.13	0.00	0.32	0.00	0.42	0.00	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	0.00	(0.15)	(0.33)	0.03	0.00	0.49	2.06	0.03	(0.05)	0.03	(0.07)	(0.25)
Uplift: Local Reliability Share	0.21	0.40	0.19	0.37	0.58	0.43	1.27	0.00	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 thi	u Dec 2014.

* Excludes ICAP payments. Market Mitigation and Analysis Prepared: 7/7/2015 11:22 AM

Data reflects true-ups thru Dec 2014.



				<u>N</u>	YISO Marl	kets Trans	sactions					
2015	January	February	March	April	May	June	July	August	September	October	November	December
Day Ahead Market MWh	15,961,306	14,967,371	15,059,207	12,589,321	13,291,917		<u></u>	<u>/ tagaot</u>	<u></u>	0010001	<u></u>	<u>2000</u>
DAM LSE Internal LBMP Energy Sales	55%	54%	53%	55%	57%	57%						
DAM External TC LBMP Energy Sales	5%	6%	6%	4%	2%	1%						
DAM Bilateral - Internal Bilaterals	35%	33%	33%	33%	35%	33%						
DAM Bilateral - Importi/Non-LBMP Market Bilaterals	3%	5%	5%	6%	4%	5%						
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	1%	2%	1%	1%						
DAM Bilateral - Wheel Through Bilaterals	0%	1%	1%	1%	0%	2%						
Balancing Energy Market MWh	-648,574	-287,795	-397,342	-410,311	-327,906	-545,880						
Balancing Energy LSE Internal LBMP Energy Sales	-149%	-252%	-192%	-147%	-143%	-106%						
Balancing Energy External TC LBMP Energy Sales	30%	117%	64%	36%	36%	17%						
Balancing Energy Bilateral - Internal Bilaterals	13%	14%	19%	5%	6%	6%						
Balancing Energy Bilateral - Importi/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	1%						
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	6%	8%	12%	11%	10%	4%						
Balancing Energy Bilateral - Wheel Through Bilaterals	0%	12%	-4%	-5%	-9%	-22%						
Transactions Summary												
LBMP	58%	59%	57%	57%	58%	57%						
Internal Bilaterals	37%	34%	35%	35%	36%	35%						
Import Bilaterals	3%	5%	5%	6%	4%	5%						
Export Bilaterals	2%	2%	2%	2%	2%	1%						
Wheels Through	0%	1%	1%	0%	0%	1%						
Market Share of Total Load				• • •		.,.						
Day Ahead Market	104.2%	102.0%	102.7%	103.4%	102.5%	104.0%						
Balancing Energy +	-4.2%	-2.0%	-2.7%	-3.4%	-2.5%	-4.0%						
Total MWH	15,312,732		14,661,865	12,179,010		13,731,419						
Average Daily Energy Sendout/Month GWh	462	481	436	387	409	450						
<u>2014</u>	<u>January</u>	<u>February</u>	March	<u>April</u>	May	June	July	<u>August</u>	<u>September</u>	<u>October</u>	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%	54%
DAM External TC LBMP Energy Sales	5%	7%	6%	3%	2%	3%	1%	0%	1%	2%	5%	5%
DAM Bilateral - Internal Bilaterals	36%	36%	35%	33%	38%	36%	34%	35%	36%	38%	36%	36%
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	5%	6%	5%	5%	4%	5%	4%	4%	3%	3%
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	1%	1%	2%	2%	1%	1%	1%	1%	2%	2%	2%
DAM Bilateral - Wheel Through Bilaterals	1%	1%	1%	0%	1%	1%	1%	1%	1%	0%	0%	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%
Total MWH		14,111,175			12,473,991						13,194,882	
Average Daily Energy Sendout/Month GWh	475	460	440	390	391	456	496	470	442	394	413	433

+ 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.

Market Mitigation and Analysis Prepared: 7/7/2015 11:41 AM Virtual Transactions are not reflected in this chart. Data reflects true-ups thru Dec 2014.

Notes: Percent totals may not equal 100% due to rounding.

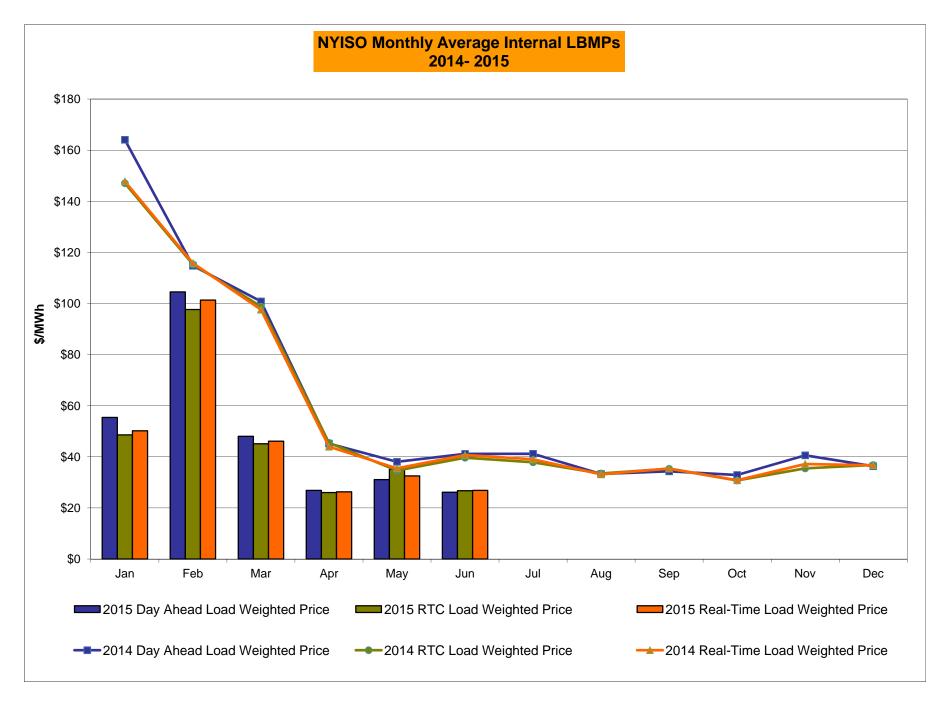
NYISO Markets 2015 Energy Statistics

	January	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August September	October November December
DAY AHEAD LBMP									
Price *	\$53.35	\$101.48	\$46.59	\$26.07	\$29.21	\$24.30			
Standard Deviation	\$24.61	\$48.85	\$21.51	\$6.73	\$13.44	\$11.96			
Load Weighted Price **	\$55.40	\$104.52	\$48.01	\$26.84	\$31.08	\$26.12			
RTC LBMP									
Price *	\$46.98	\$95.06	\$43.43	\$25.11	\$32.85	\$24.73			
Standard Deviation	\$22.84	\$47.55	\$29.42	\$12.31	\$35.40	\$24.71			
Load Weighted Price **	\$48.59	\$97.62	\$45.10	\$26.00	\$35.08	\$26.73			
REAL TIME LBMP									
Price *	\$48.51	\$98.83	\$44.38	\$25.46	\$30.39	\$23.96			
Standard Deviation	\$25.99	\$52.53	\$29.07	\$12.66	\$31.69	\$31.14			
Load Weighted Price **	\$50.18	\$101.34	\$46.10	\$26.28	\$32.52	\$26.86			
Average Daily Energy Sendout/Month GWh	462	481	436	387	409	450			

NYISO Markets 2014 Energy Statistics

	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August S	<u>September</u>	<u>October</u>	November [<u>December</u>
DAY AHEAD LBMP Price * Standard Deviation Load Weighted Price **	\$155.11 \$121.52 \$164.06	\$110.69 \$50.86 \$114.77	\$97.07 \$59.89 \$100.81	\$44.16 \$8.90 \$45.19	\$36.61 \$10.99 \$38.05	\$39.17 \$12.29 \$41.14	\$38.82 \$15.56 \$41.18	\$31.78 \$9.90 \$33.28	\$32.49 \$11.59 \$34.31	\$31.65 \$9.77 \$32.89	\$39.19 \$13.38 \$40.57	\$35.12 \$11.21 \$36.33
RTC LBMP Price * Standard Deviation Load Weighted Price **	\$138.41 \$125.42 \$147.06	\$110.71 \$72.22 \$115.31	\$94.71 \$97.72 \$98.80	\$44.00 \$27.44 \$45.48	\$33.16 \$17.51 \$34.63	\$37.34 \$25.39 \$39.64	\$35.32 \$24.90 \$37.85	\$31.74 \$23.34 \$33.48	\$32.89 \$33.68 \$35.31	\$29.23 \$20.45 \$30.74	\$34.27 \$14.23 \$35.46	\$34.99 \$35.81 \$36.79
<u>REAL TIME LBMP</u> Price * Standard Deviation Load Weighted Price **	\$137.90 \$122.32 \$147.77	\$111.51 \$70.35 \$115.80	\$93.37 \$89.05 \$97.58	\$42.79 \$19.38 \$43.97	\$34.06 \$17.15 \$35.46	\$38.23 \$23.33 \$40.71	\$35.97 \$27.27 \$39.00	\$31.21 \$18.18 \$33.13	\$32.50 \$33.51 \$35.42	\$29.36 \$21.14 \$30.81	\$36.01 \$17.99 \$37.17	\$34.80 \$42.67 \$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.

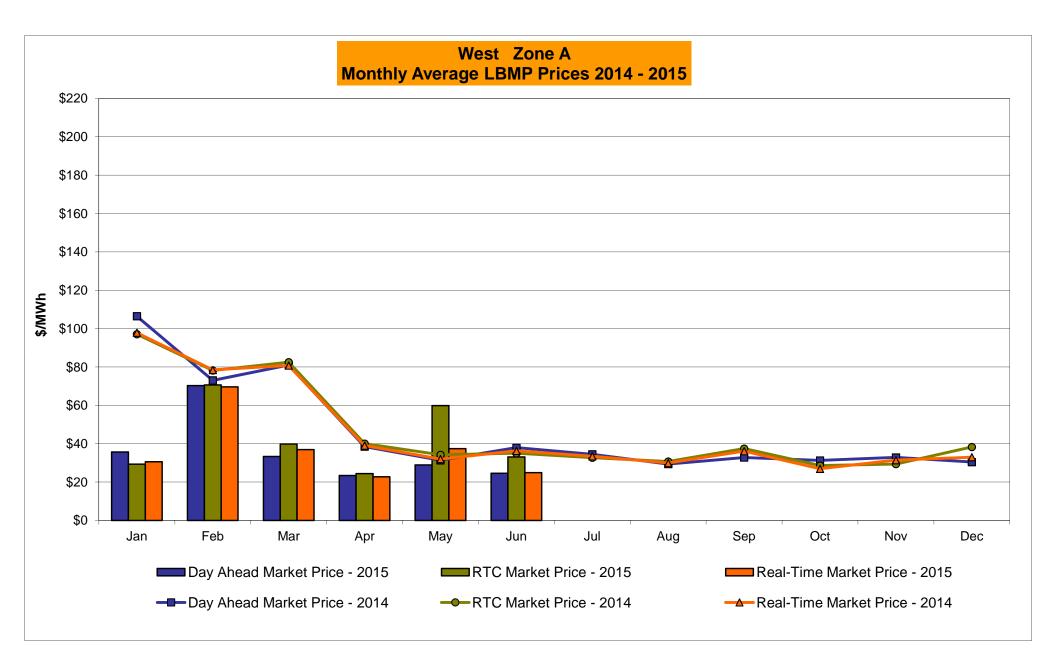


June 2015 Zonal LBMP Statistics for NYISO (\$/MWh)

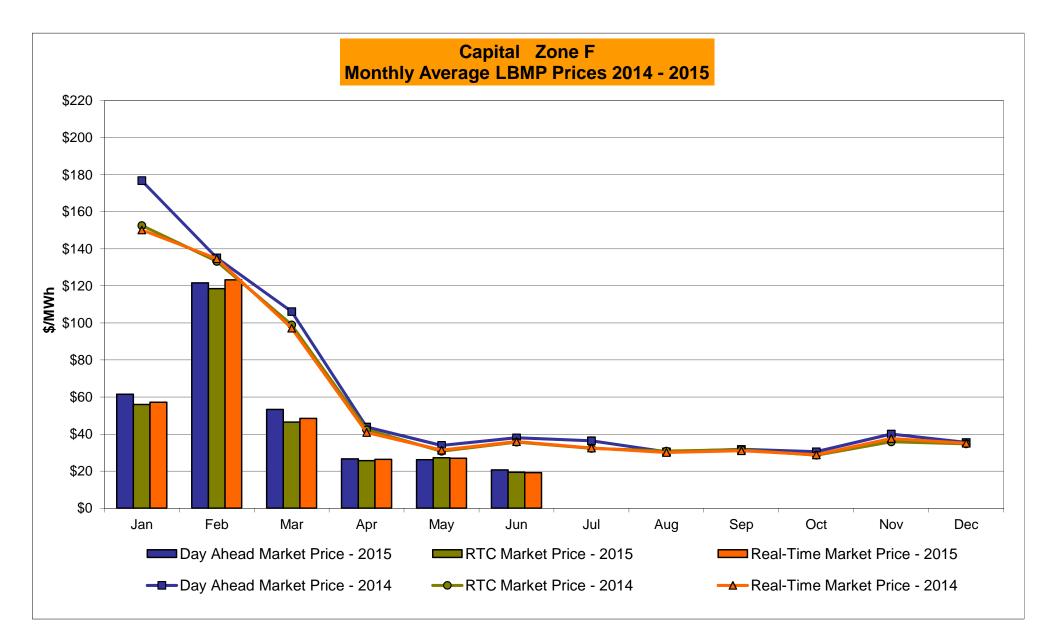
	WEST <u>Zone A</u>	GENESEE Zone B	NORTH Zone D	CENTRAL Zone C	MOHAWK VALLEY <u>Zone E</u>	CAPITAL Zone F	HUDSON VALLEY <u>Zone G</u>	MILLWOOD Zone H	DUNWOODIE <u>Zone I</u>	NEW YORK CITY <u>Zone J</u>	LONG ISLAND <u>Zone K</u>
DAY AHEAD LBMP Unweighted Price *	24.60	19.11	18.02	20.24	20.03	20.63	23.88	24.35	24.39	24.95	30.72
Standard Deviation	14.64	7.63	7.28	8.46	8.19	8.00	11.53	12.38	12.44	12.64	17.80
Standard Deviation	14.04	7.05	1.20	0.40	0.19	0.00	11.55	12.50	12.44	12.04	17.00
RTC LBMP											
Unweighted Price *	33.06	17.85	17.10	20.40	19.27	19.40	22.36	22.72	22.73	23.83	33.31
Standard Deviation	69.31	11.37	11.30	17.12	13.62	12.69	22.50	24.69	24.97	25.60	69.32
REAL TIME LBMP											
Unweighted Price *	24.88	17.76	16.97	18.88	18.61	19.18	22.98	23.49	23.52	25.30	30.73
Standard Deviation	50.73	15.74	15.42	18.60	17.26	17.51	36.57	40.64	41.16	42.14	46.25

	ONTARIO IESO	HYDRO QUEBEC (Wheel)	HYDRO QUEBEC (Import/Export)	РЈМ	NEW ENGLAND	CROSS SOUND CABLE	NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
	Zana O	Zana M	Zana M	Zana D	Zono N	Controllable	Controllable	Controllable	Controllable	Controllable	Controllable
DAY AHEAD LBMP	<u>Zone O</u>	<u>Zone M</u>	<u>Zone M</u>	<u>Zone P</u>	<u>Zone N</u>	Line	Line	Line	Line	Line	Line
Unweighted Price *	17.78	18.37	18.37	23.22	21.96	29.86	25.70	29.09	24.33	24.54	17.72
Standard Deviation	6.47	7.27	7.27	11.36	9.44	15.50	9.02	14.34	11.82	12.50	7.05
RTC LBMP											
Unweighted Price *	14.26	16.45	16.45	26.65	20.28	32.10	30.29	31.50	22.84	22.71	16.71
Standard Deviation	14.68	10.63	10.63	46.66	14.80	68.42	66.75	68.13	25.57	24.20	10.85
REAL TIME LBMP											
Unweighted Price *	15.89	16.19	16.19	25.56	20.74	29.07	19.91	28.17	23.42	23.57	16.83
Standard Deviation	15.83	14.29	14.29	59.66	23.87	42.02	43.39	40.90	40.12	40.34	15.48

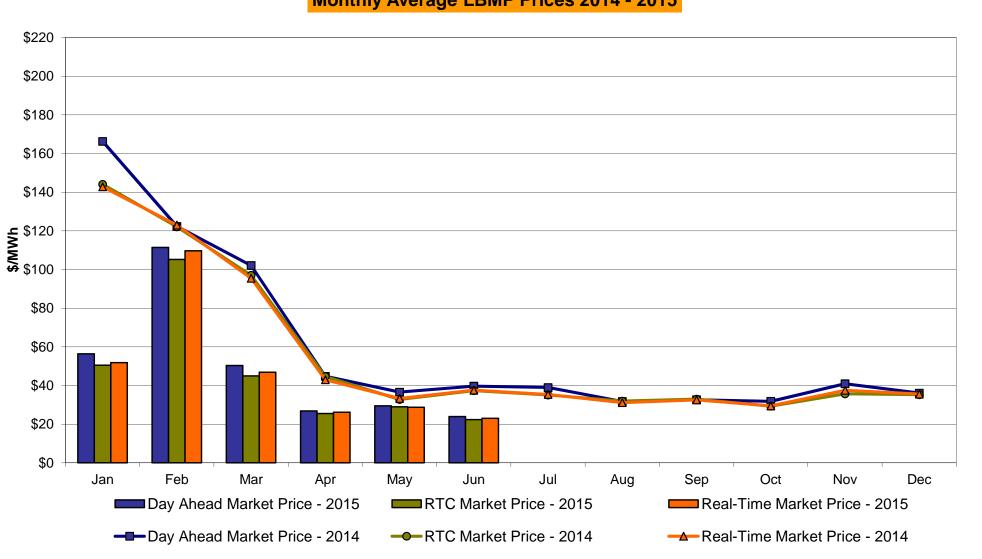
* Straight LBMP averages



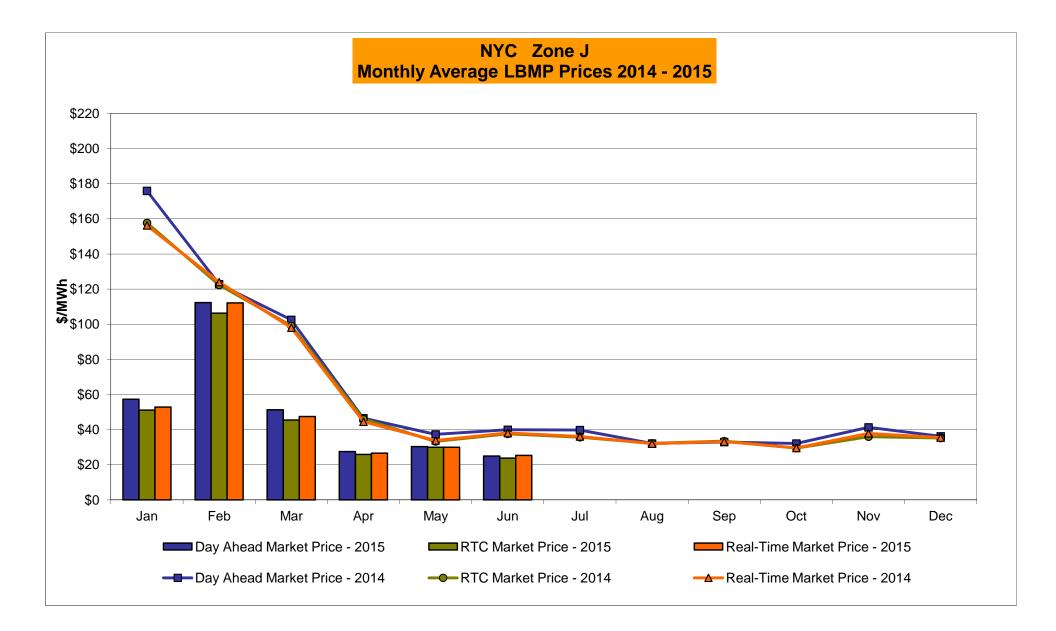
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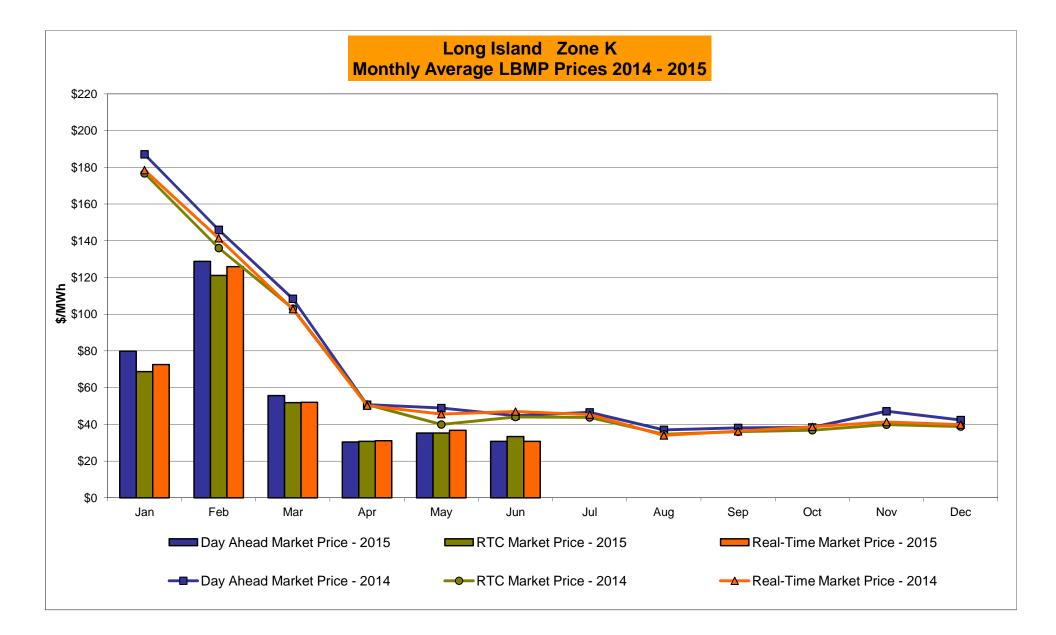


Hudson Valley Zone G Monthly Average LBMP Prices 2014 - 2015

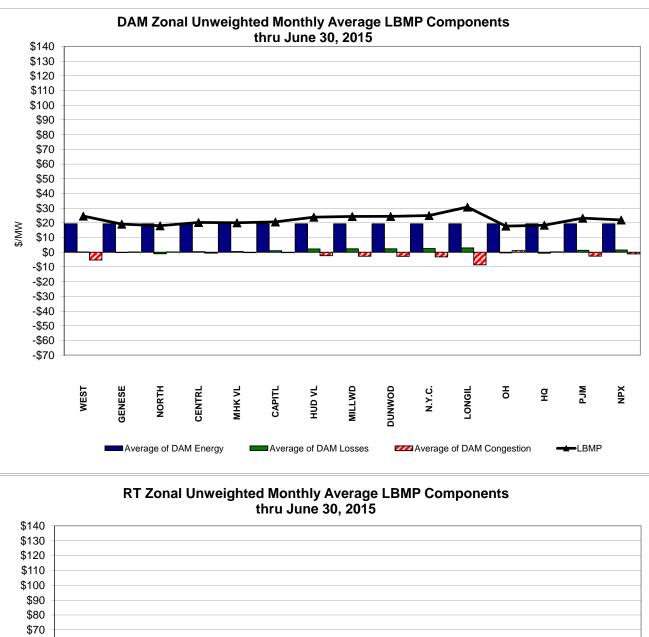


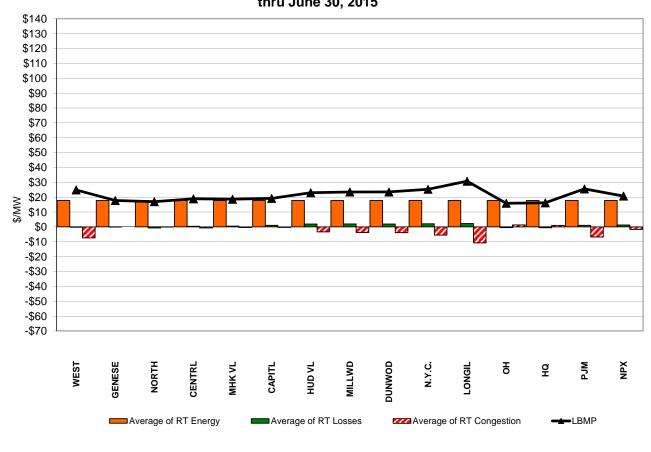
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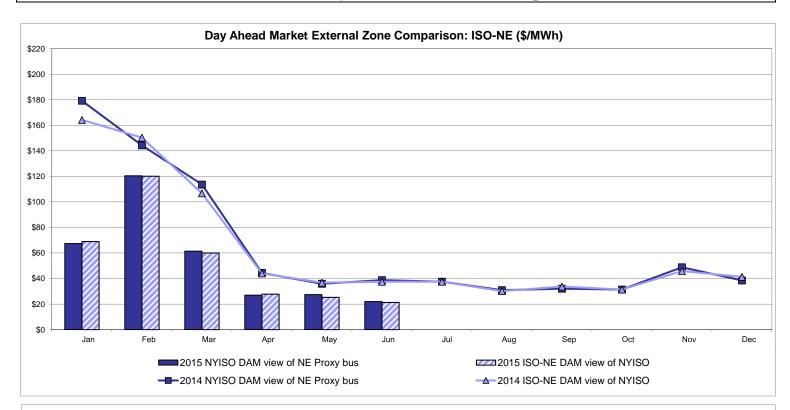
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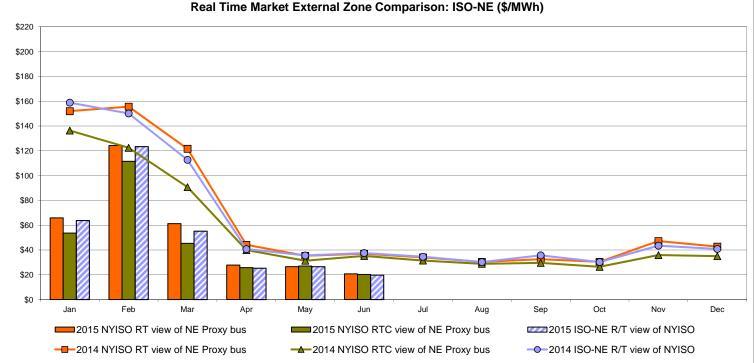


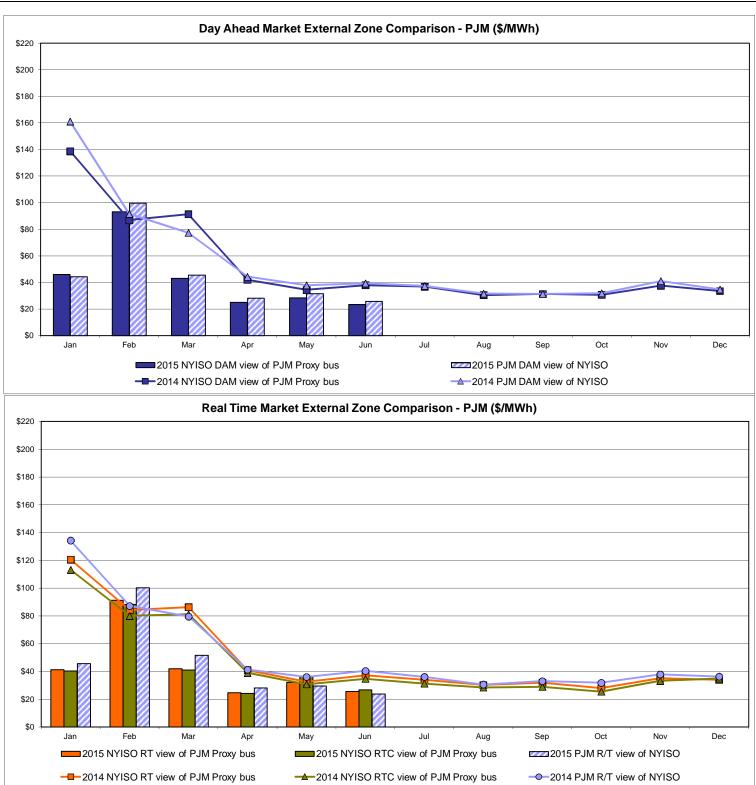


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External Comparison ISO-New England

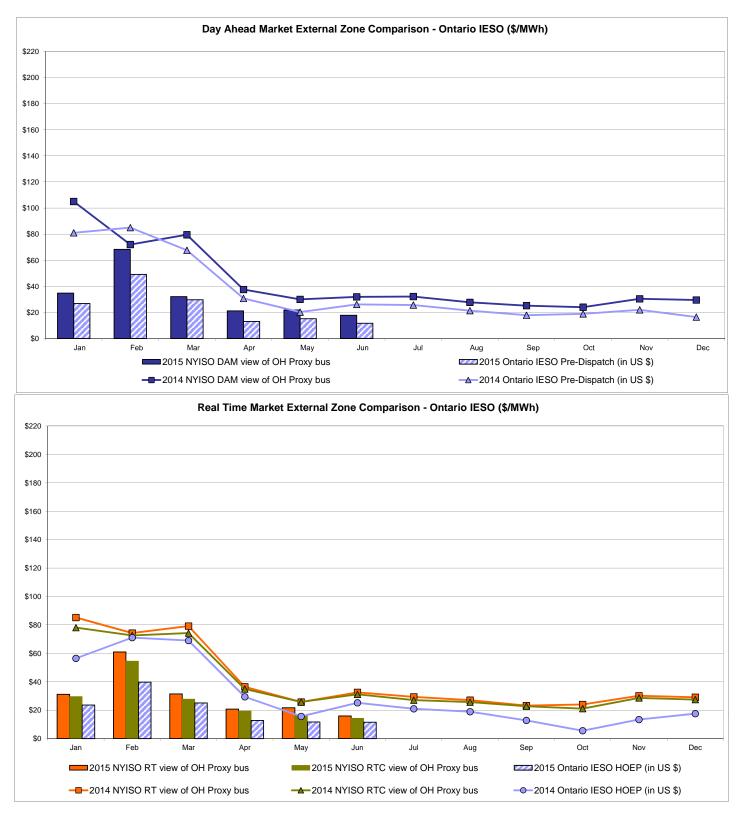




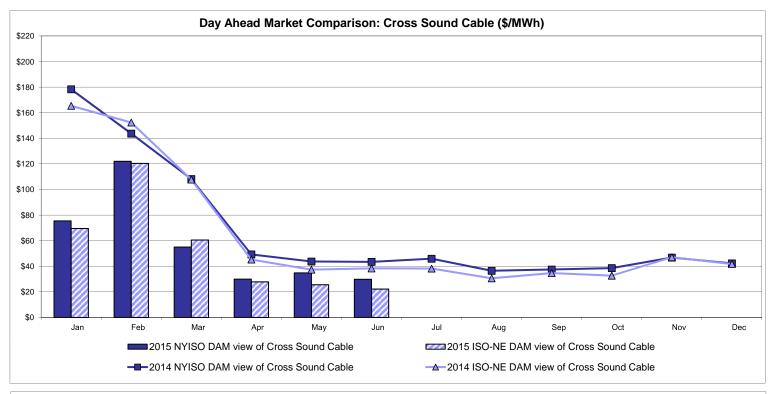


External Comparison PJM

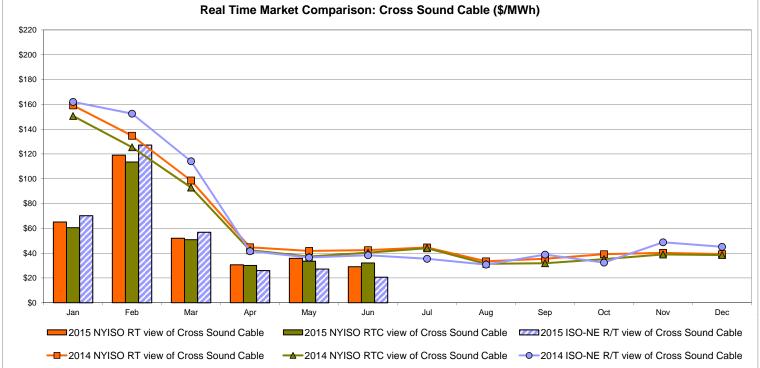
External Comparison Ontario IESO



Notes: Exchange factor used for June 2015 was 0.809127 to US HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price



External Controllable Line: Cross Sound Cable (New England)

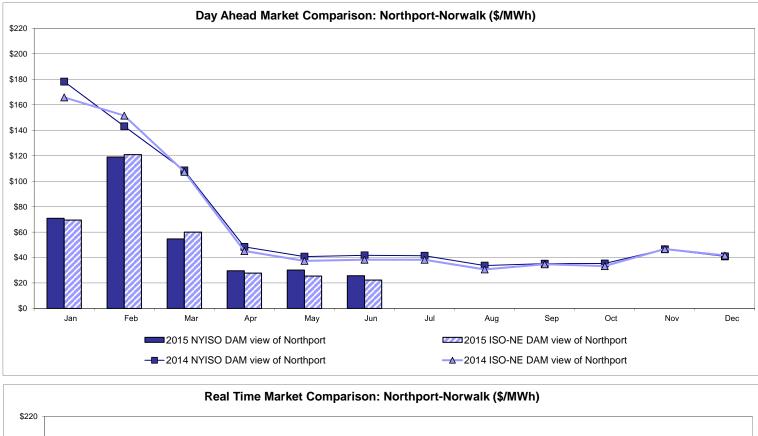


Note:

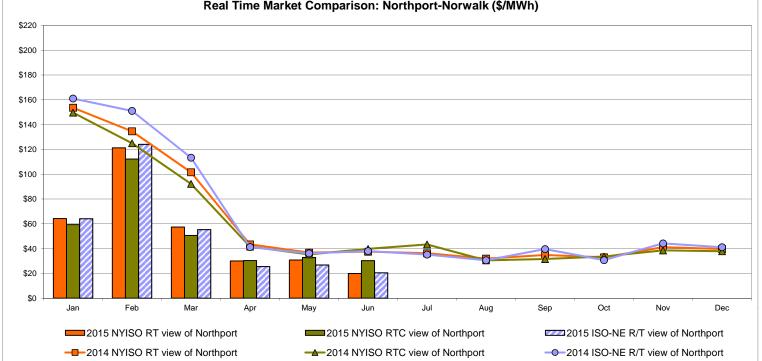
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

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



External Controllable Line: Northport - Norwalk (New England)

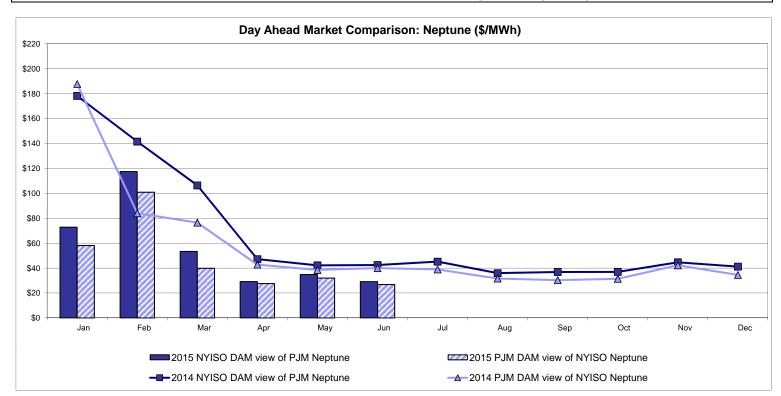


Note:

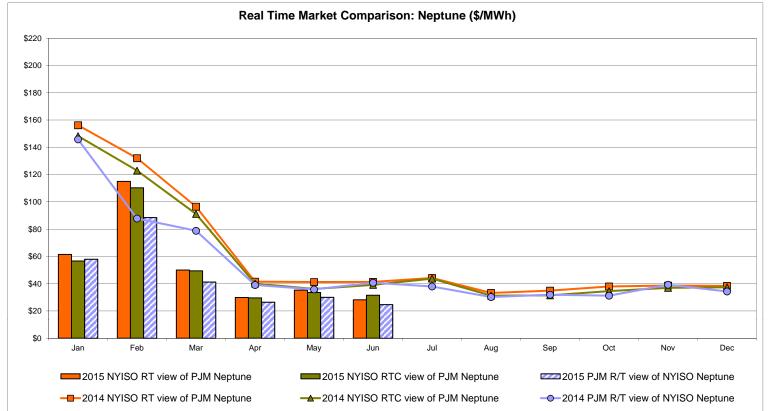
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

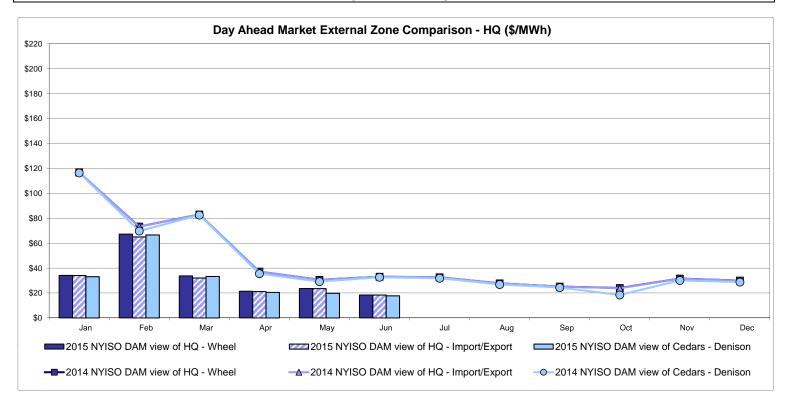
The DAM and R/T prices at the 1385 interface are used for NYISO.

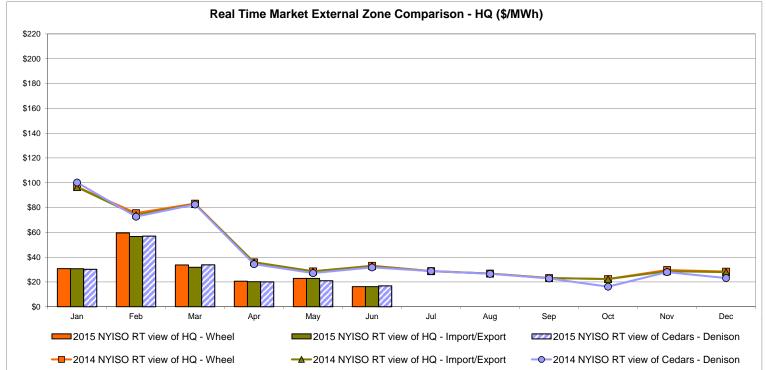


External Controllable Line: Neptune (PJM)



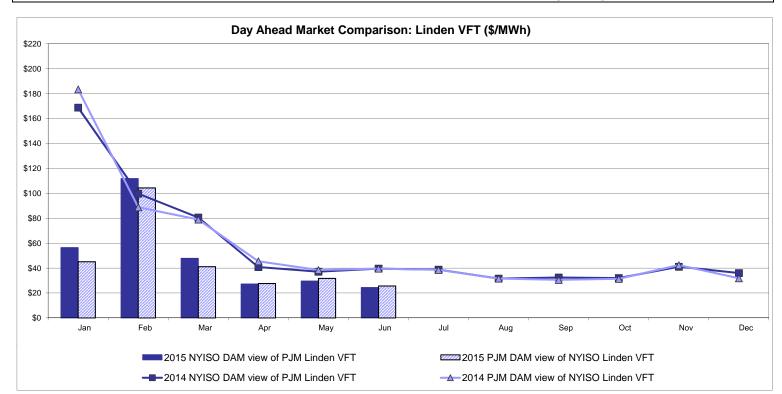
External Comparison Hydro-Quebec



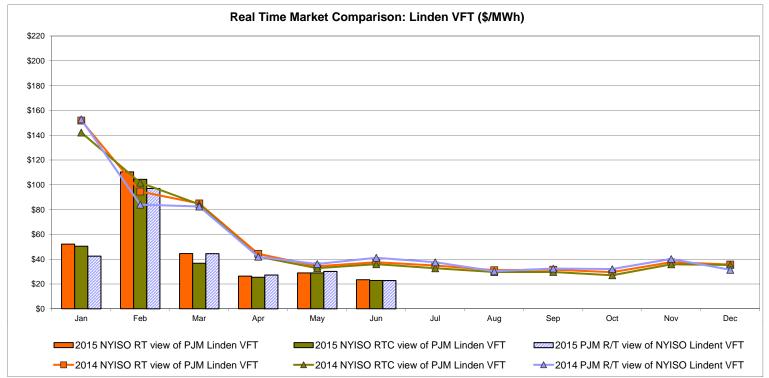


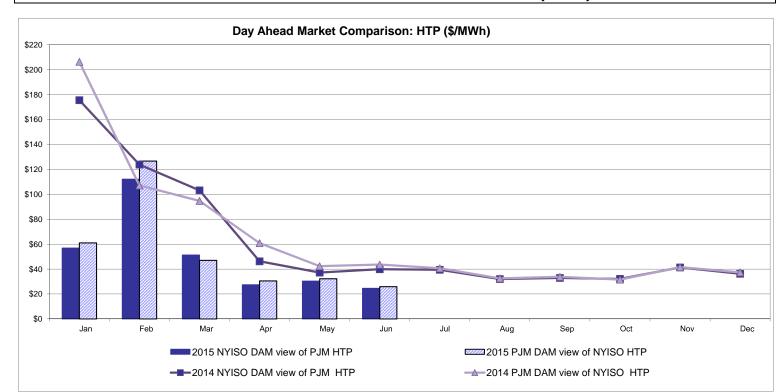
Note:

Hydro-Quebec Prices are unavailable.

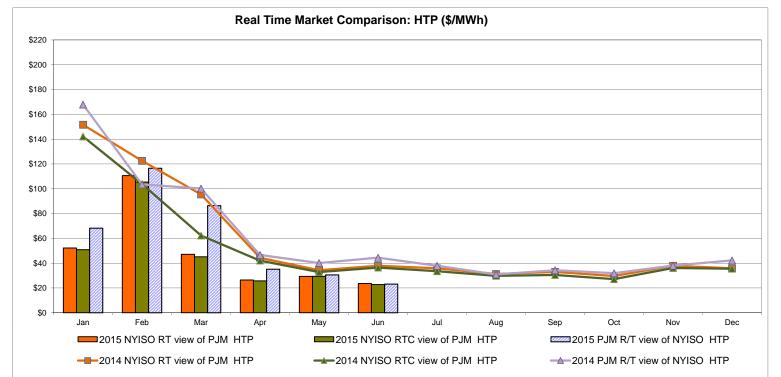


External Controllable Line: Linden VFT (PJM)





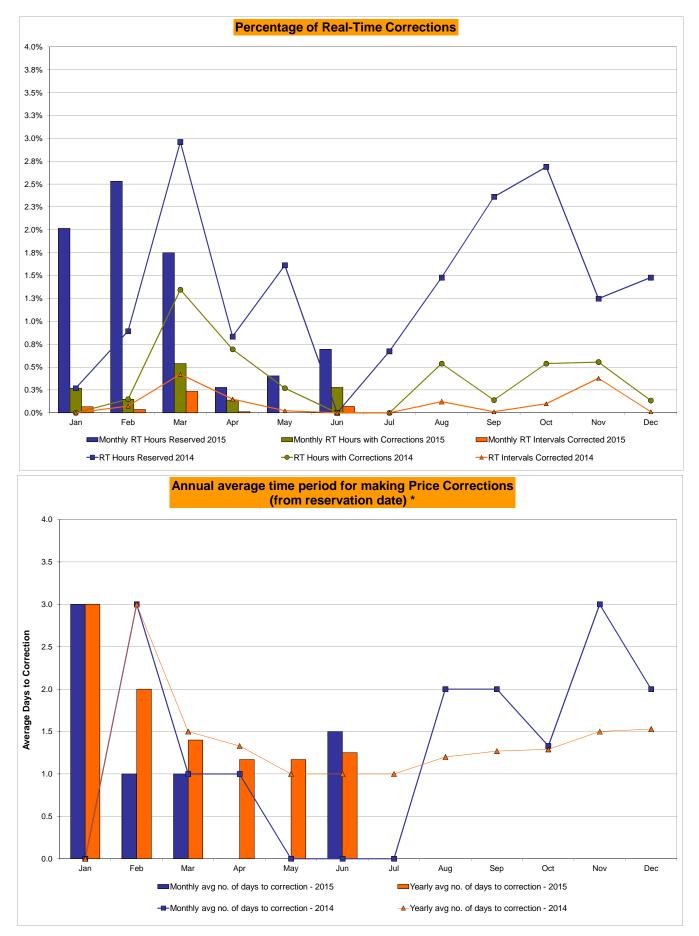
External Controllable Line: Hudson (PJM)



NYISO Real Time Price Correction Statistics

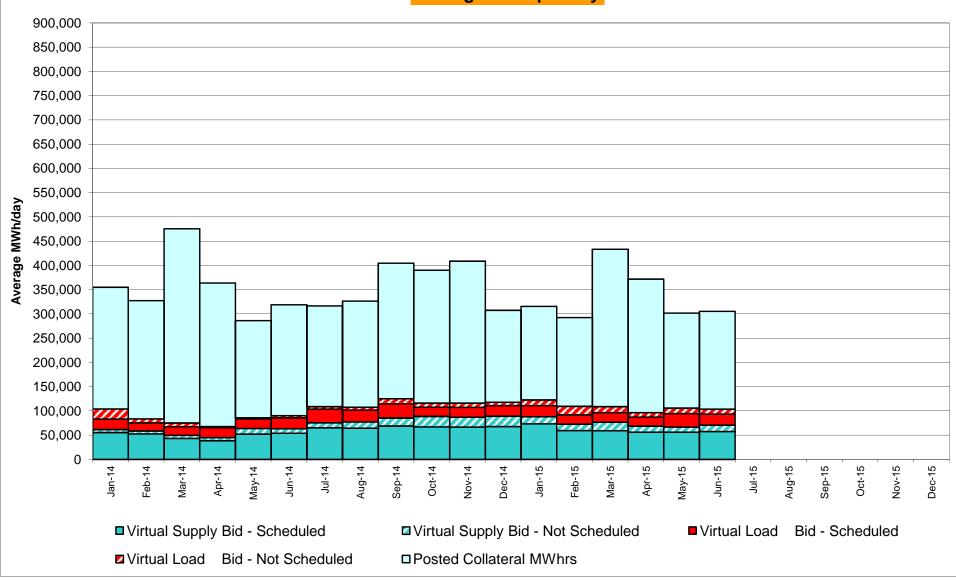
2015		January	February	March	<u>April</u>	May	June	July	August	<u>September</u>	<u>October</u>	November	<u>December</u>
Hour Corrections Number of hours with corrections	in the month	2	1	4	1	0	2						
Number of hours	in the month	744	672	743	720	744	720						
% of hours with corrections	in the month	0.27%	0.15%	0.54%	0.14%	0.00%	0.28%						
% of hours with corrections	vear-to-date	0.27%	0.21%	0.32%	0.28%	0.22%	0.23%						
Interval Corrections	Jour to date	0.21 /0	012170	0.0270	012070	0.2270	012070						
Number of intervals corrected	in the month	6	3	21	1	0	6						
Number of intervals	in the month	9,066	8,231	9,005	8,696	9,032	8,731						
% of intervals corrected	in the month	0.07%	0.04%	0.23%	0.01%	0.00%	0.07%						
% of intervals corrected	year-to-date	0.07%	0.05%	0.11%	0.09%	0.07%	0.07%						
Hours Reserved													
Number of hours reserved	in the month	15	17	13	2	3	5						
Number of hours	in the month	744	672	743	720	744	720						
% of hours reserved	in the month	2.02%	2.53%	1.75%	0.28%	0.40%	0.69%						
% of hours reserved	year-to-date	2.02%	2.26%	2.08%	1.63%	1.38%	1.27%						
Days to Correction *	,												
Avg. number of days to correction	in the month	3.00	1.00	1.00	0.00	0.00	1.50						
Avg. number of days to correction	year-to-date	3.00	2.00	1.40	1.17	1.17	1.25						
Days Without Corrections													
Days without corrections	in the month	30	27	28	29	31	28						
Days without corrections	year-to-date	30	57	85	114	145	173						
2014		January	February	March	April	May	June	July	August	September	October	November	December
<u>2014</u> Hour Corrections		<u>January</u>	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	<u>December</u>
	in the month	<u>January</u> 0	<u>February</u> 1	<u>March</u> 10	<u>April</u> 5	<u>May</u> 2	<u>June</u> 0	<u>July</u> 0	<u>August</u> 4	<u>September</u> 1	<u>October</u> 4	<u>November</u> 4	<u>December</u> 1
Hour Corrections	in the month in the month												
Hour Corrections Number of hours with corrections		0	1	10	5	2	0	0	4	1	4	4	1
Hour Corrections Number of hours with corrections Number of hours	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	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 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 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% 0.56%	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	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 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 9,232	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 % 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> 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 % of intervals corrected % of intervals corrected Hours Reserved	in the month in the month year-to-date in the month in the month year-to-date	0 744 0.00% 0.00% 9,232 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 corrected % 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% 0.16% 6	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 Mumber 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 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	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744	4 744 0.54% 0.38% 11 8,975 0.12% 0.12% 0.10% 11 744 1.48%	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 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 Number of hours with corrections % of hours with corrections Mumber of nours with corrections Interval Corrections Number of intervals corrected Number 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 9,232 0.00% 0.00% 2 744 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 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 0.00%	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% 0.10% 11 744	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	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721	1 744 0.13% <u>0.37%</u> 1 9,030 0.01% <u>0.11%</u> 11 744
Hour Corrections Number of hours with corrections Number of hours with corrections % of hours with corrections Mumber of neuronal corrections Interval Corrections Number of intervals corrected Number 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 % 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 Number of hours with corrections % of hours with corrections Mumber of intervals corrected Number of intervals corrected % of intervals corrected Number 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% 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% 0.12% 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 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 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% 9,232 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 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% 9,232 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 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 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% 0.27% 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% 0.000 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.

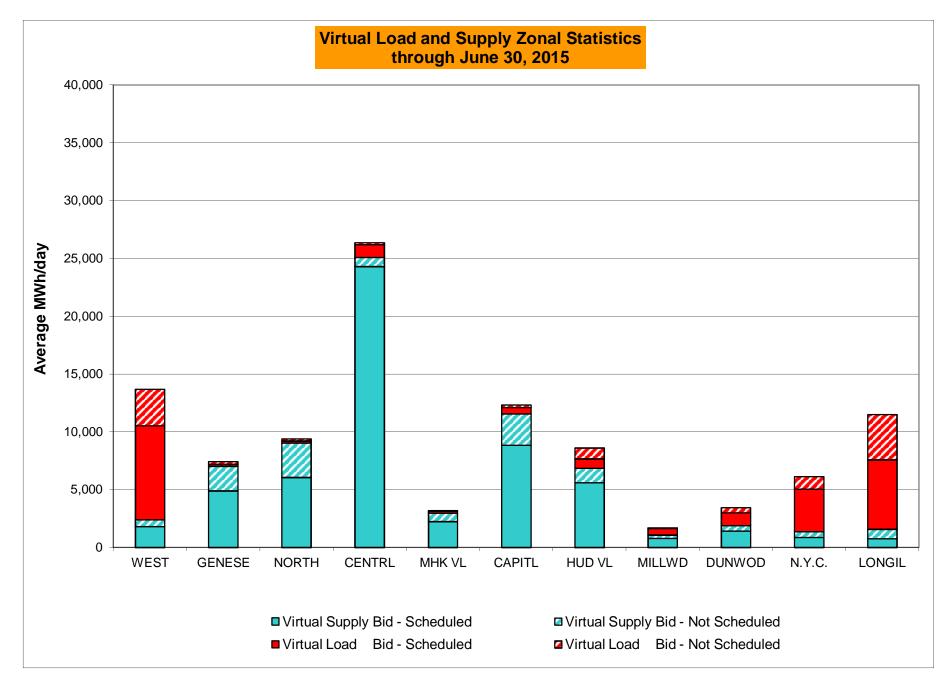


* Calendar days from reservation date.

NYISO Virtual Trading Average MWh per day



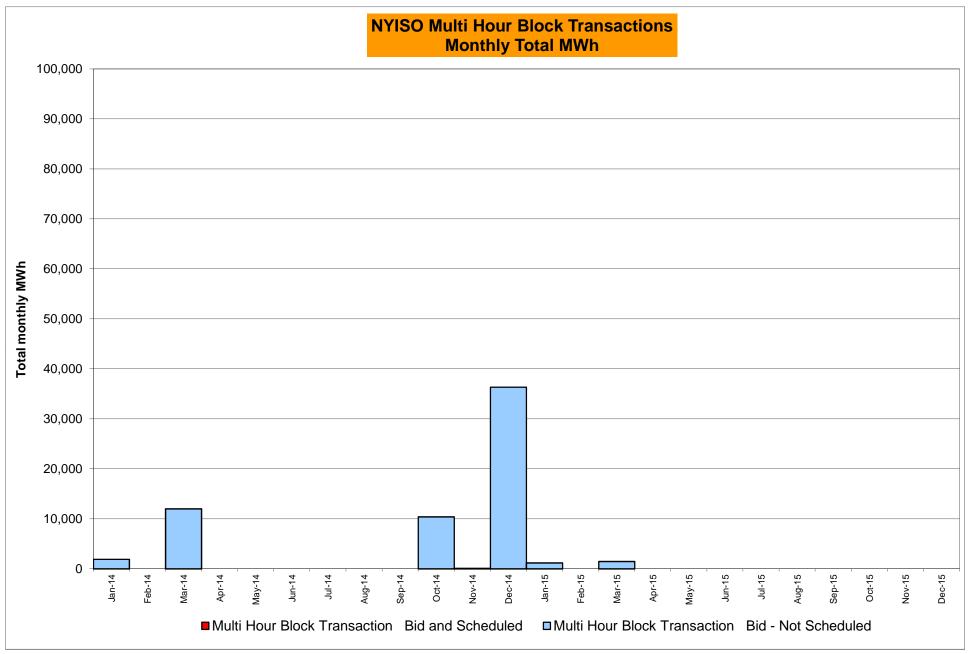
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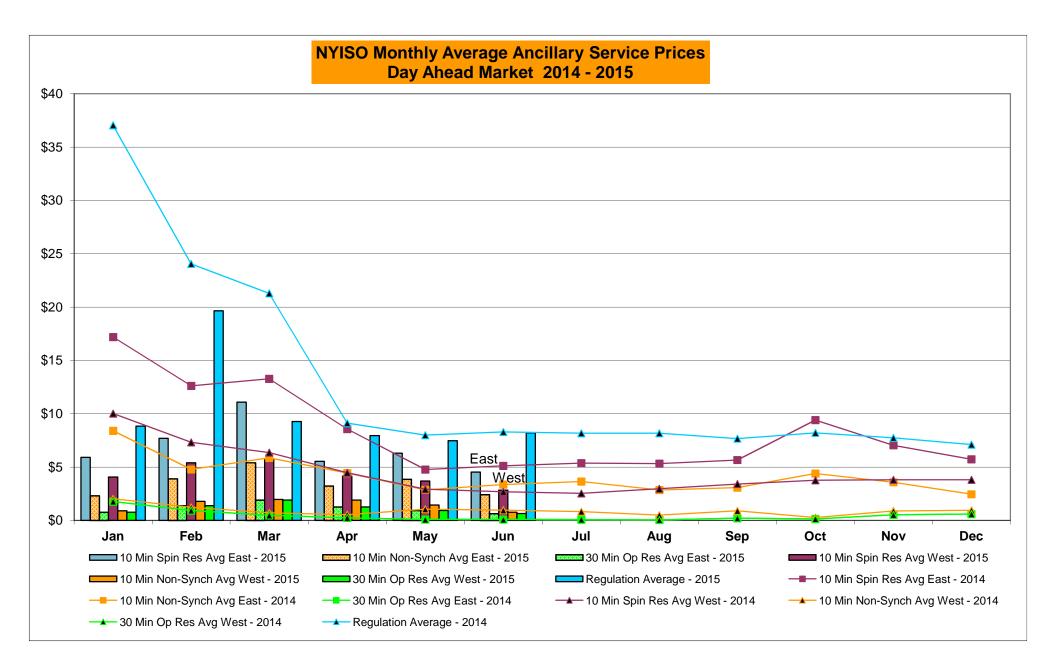
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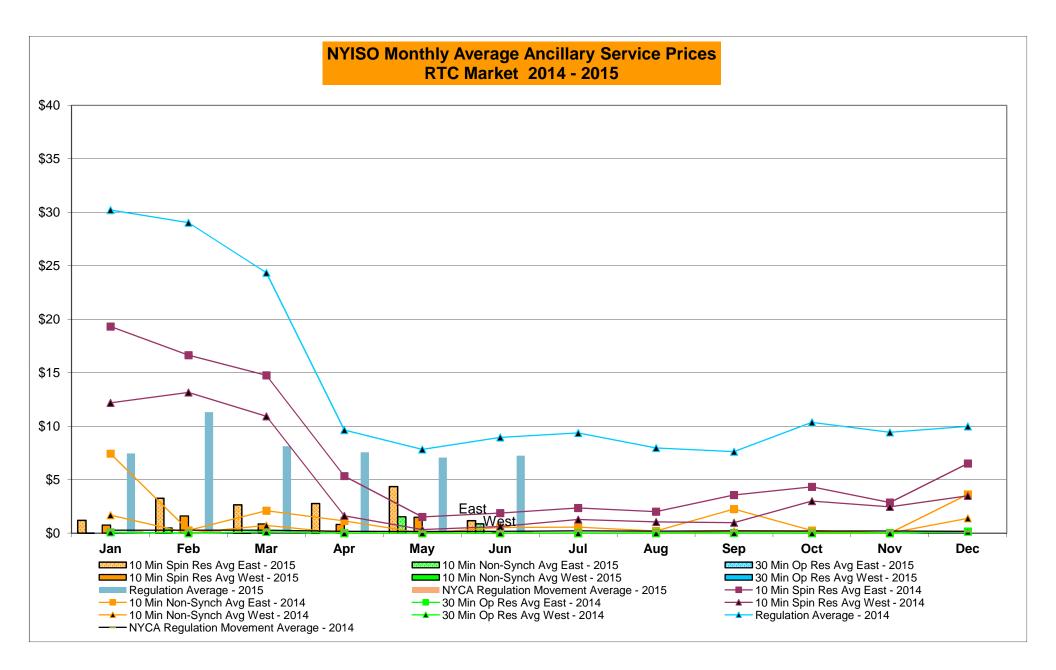
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2015

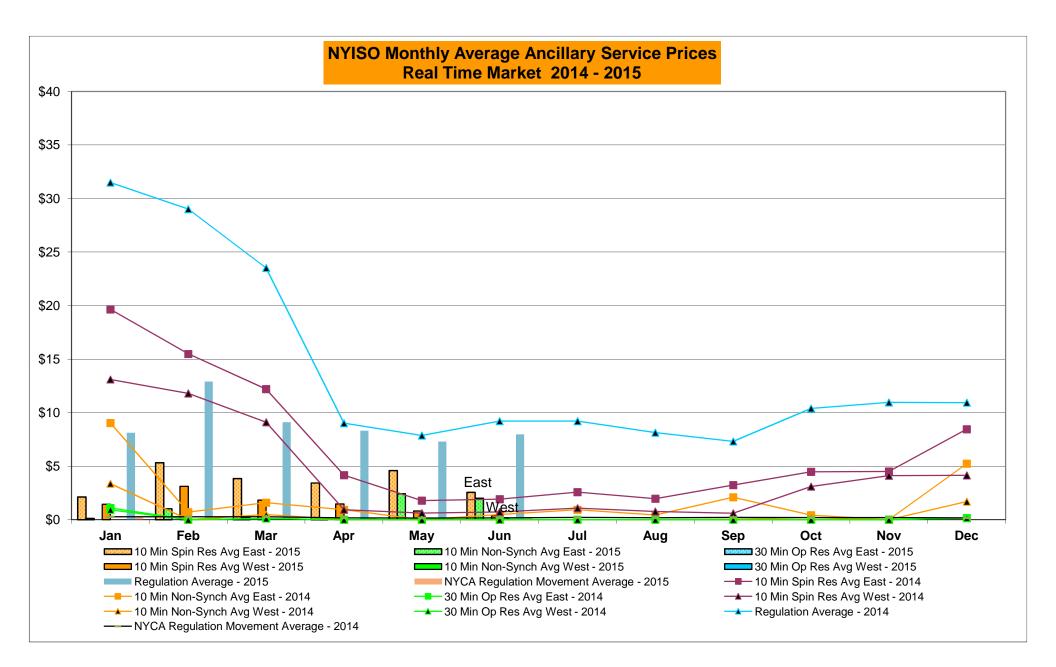
		Virtual L	oad Bid	Virtual S	upply Bid			Virtual L	oad Bid	Virtual Su	pply Bid			Virtual L	oad Bid	Virtual Su	ipply Bid
		Thread L	Not	Thread O	Not			Thilda E	Not	Thread Of	Not			Thread L	Not	Thread Oc	Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled
WEST	Jan-15	6,244	977	3,837	688	MHK VL	Jan-15	534	185	1,757	1,021	DUNWOD	Jan-15	669			166
	Feb-15	3,180	1,570	3,288	936		Feb-15	901	790	1,446	812		Feb-15	647	663	725	156
	Mar-15	5,796	1,992	3,185	1,223		Mar-15	626	458	2,120	718		Mar-15	621	566	1,224	536
	Apr-15	6,734	1,797	1,790	419		Apr-15		226	3,094	867		Apr-15	433	299	1,517	366
	May-15		3,320	1,381	465		May-15		102	1,746	482		May-15	5 1,385	308	904	400
	Jun-15		3,156	1,800	584		Jun-15		24	2,252	734		Jun-15		434	1,435	462
	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	i			
	Dec-15						Dec-15						Dec-15	5			
GENESE	Jan-15	444	147	9,467	1,422	CAPITL	Jan-15	1,816	1,292	9,400	1,563	N.Y.C.	Jan-15	3,367	1,572	887	2,429
	Feb-15		347	7,477	1,425		Feb-15	3,192	3,267	6,354	2,035		Feb-15	2,944	2,375	658	690
	Mar-15	452	350	7,559	2,735		Mar-15	2,234	2,029	6,772	2,411		Mar-15	2,687	1,133	894	1,593
	Apr-15		254	4,771	1,991		Apr-15	1,558	991	7,368	2,215		Apr-15	2,470	377	808	500
	May-15	349	167	4,831	1,643		May-15	1,518	201	7,032	1,751		May-15	5,397	1,487	918	367
	Jun-15	188	229	4,911	2,115		Jun-15	563	230	8,840	2,709		Jun-15	3,683	1,091	864	494
	Jul-15						Jul-15						Jul-15				
	Aug-15						Aug-15						Aug-15				
	Sep-15						Sep-15						Sep-15	5			
	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	423	7,361	1,898		Feb-15	769	2,147	2,841	2,800		Feb-15		3,985	613	1,722
	Mar-15		572	6,213	2,540	-	Mar-15		1,578	5,045	3,272	_	Mar-15	,	,	464	1,719
	Apr-15		366	8,249	3,243		Apr-15		1,056	6,875	1,292		Apr-15			760	678
	May-15	263	255	7,237	3,146		May-15		1,372	5,580	1,488		May-15	6,102	3,728	936	394
	Jun-15		196	6,060	2,977		Jun-15		914	5,600	1,251		Jun-15	6,015		768	792
	Jul-15				,		Jul-15			,	,		Jul-15				
	Aug-15						Aug-15						Aug-15	5			
	Sep-15						Sep-15						Sep-15	5			
	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
	Feb-15		1,265	28,050	579		Feb-15	562	674	627	186		Feb-15				13,238
	Mar-15	1,168	538	24,644	587		Mar-15	377	389	947	287		Mar-15	19,769	12,449	59,066	17,619
	Apr-15	,	311	20,024	588		Apr-15		239	979	298	1	Apr-15	,	,		12,458
	May-15		249	24,901	400	1	May-15		126	668	200	1	May-15		11,315		10,736
	Jun-15		194	24,287	791	1	Jun-15		24	790	277	7	Jun-15		10,411	57,608	13,186
	Jul-15		-			1	Jul-15					1	Jul-15				
	Aug-15					1	Aug-15						Aug-15	5			
	Sep-15						Sep-15						Sep-15	5			
	Oct-15					1	Oct-15						Oct-15				
	Nov-15					1	Nov-15						Nov-15	i			
	Dec-15					1	Dec-15						Dec-15	5			



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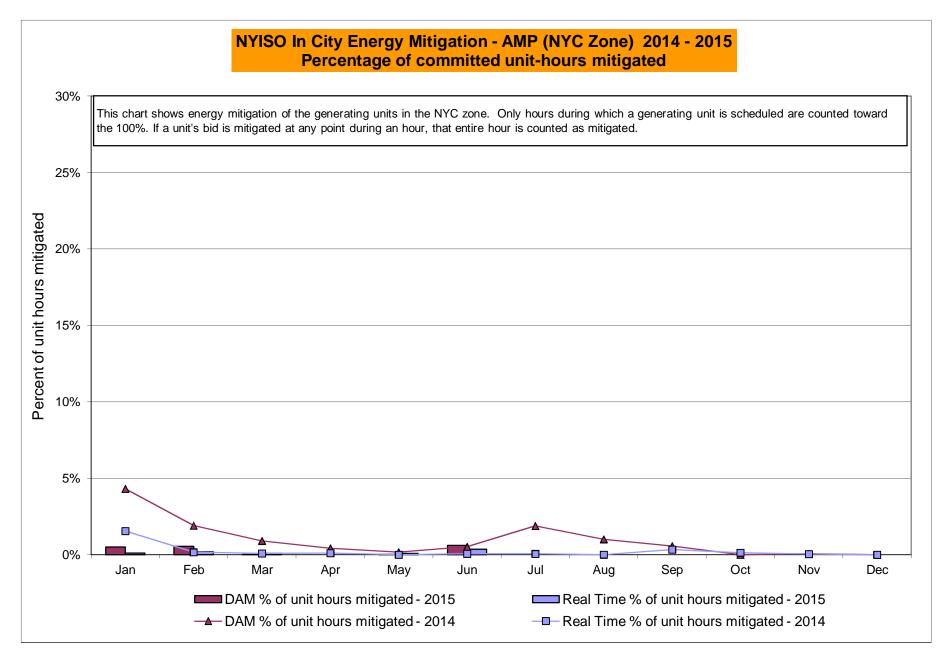


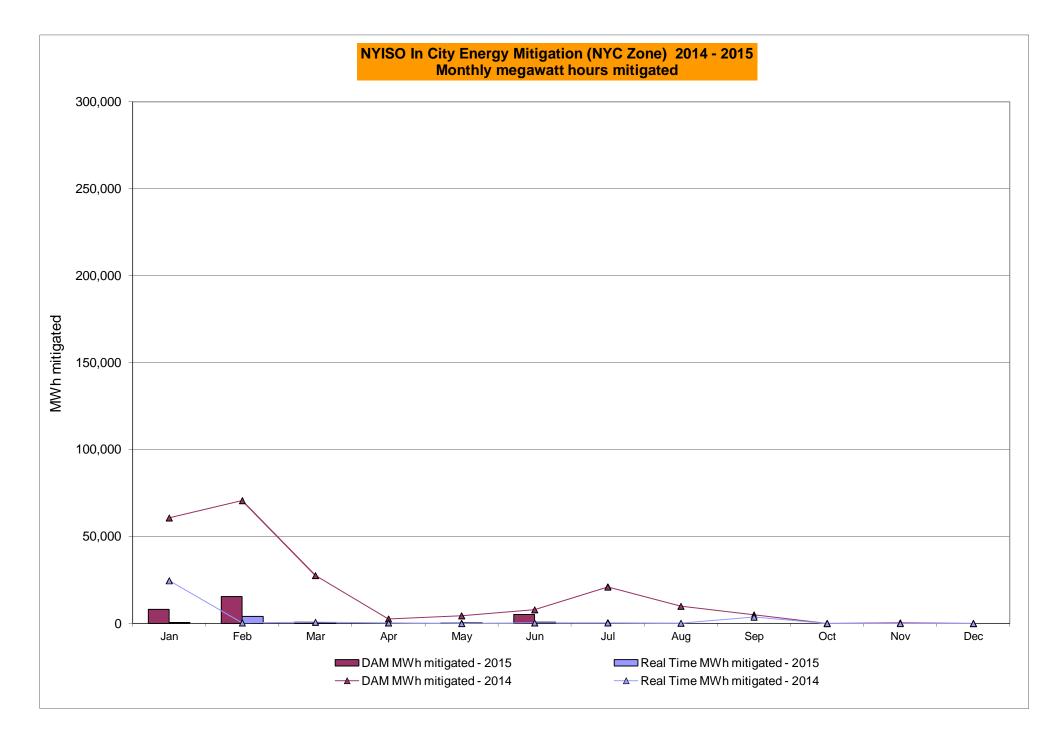


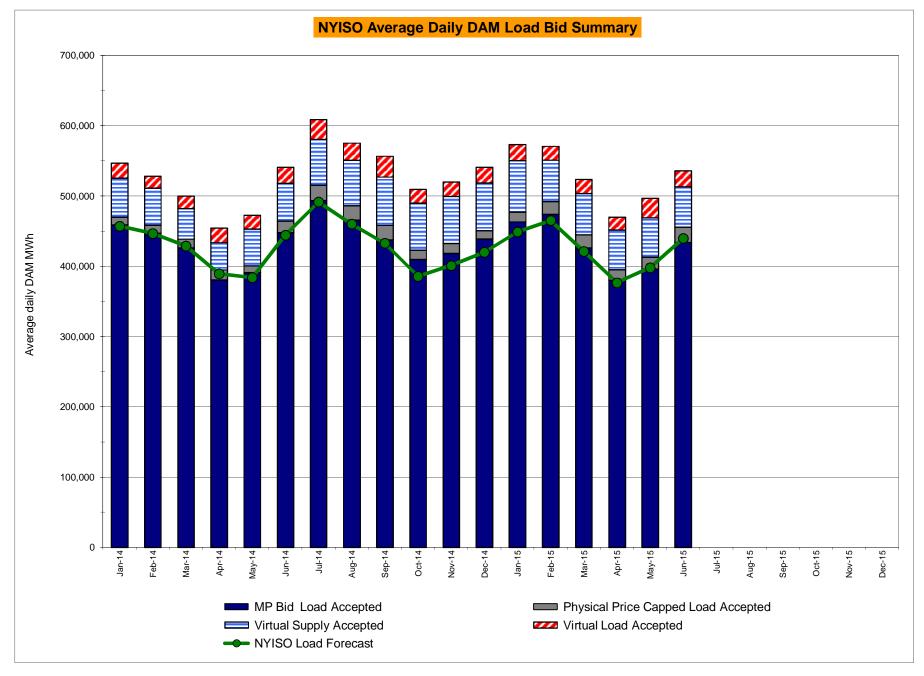


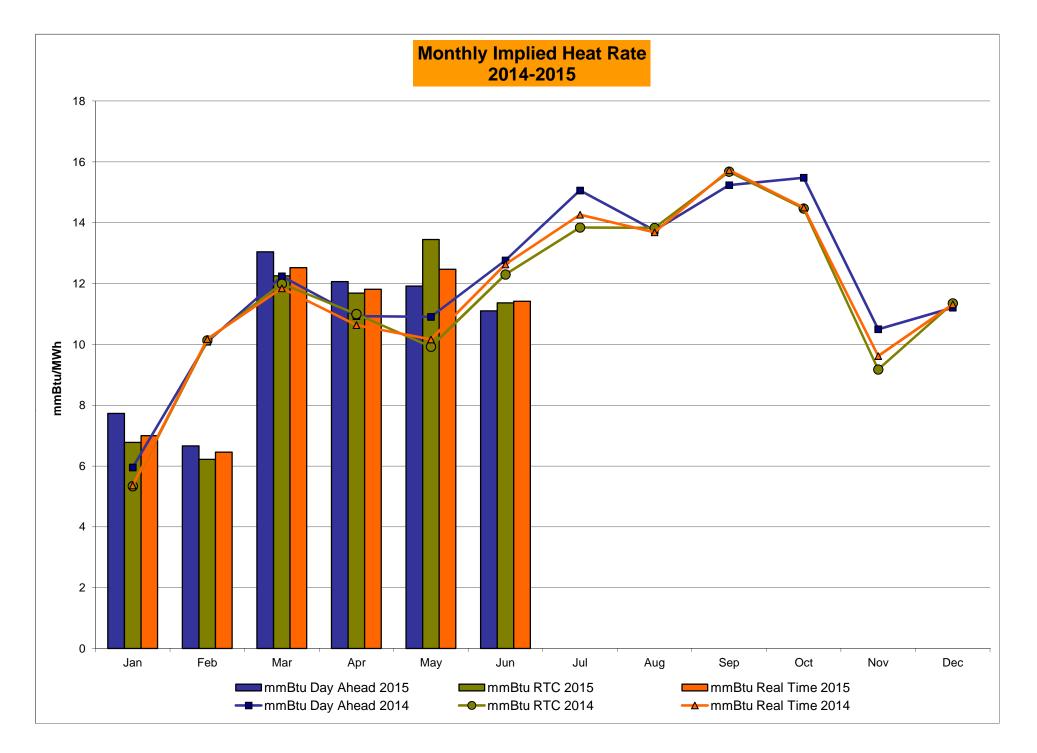
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

2015 Day Ahead Market	January	February	March	<u>April</u>	May	June	July	August	September	October	November	December
10 Min Spin East	5.92	7.69	11.09	5.53	6.31	4.53						
10 Min Spin West	4.07	5.40	5.68	4.16	3.69	2.84						
10 Min Non Synch East	2.30	3.89	5.40	3.22	3.84	2.42						
10 Min Non Synch West	0.90	1.79	1.97	1.91	1.45	0.77						
30 Min East	0.77	1.38	1.91	1.26	0.93	0.64						
30 Min West	0.77	1.38	1.91	1.26	0.93	0.64						
Regulation	8.84	19.65	9.27	7.94	7.48	8.20						
-												
<u>RTC Market</u> 10 Min Spin East	1.20	2.07	2.64	0.77	4.00	4.40						
10 Min Spin East	0.74	3.27	2.64 0.86	2.77 0.81	4.36 1.48	1.18 0.04						
10 Min Non Synch East	0.74	1.61 0.48	0.86	0.81	1.48	0.04 0.87						
10 Min Non Synch West	0.01	0.48	0.00	0.00	0.00	0.00						
30 Min East	0.00	0.00	0.00	0.00	0.00	0.00						
30 Min West	0.00	0.00	0.00	0.00	0.00	0.00						
Regulation	7.45	11.32	8.13	7.56	7.06	7.24						
NYCA Regulation Movement	0.21	0.21	0.16	0.22	0.16	0.24						
-	0.21	0.21	0.10	0.22	0.10	0.24						
Real Time Market												
10 Min Spin East	2.12	5.31	3.84	3.44	4.59	2.56						
10 Min Spin West	1.44	3.11	1.83	1.46	0.81	0.38						
10 Min Non Synch East	0.12	1.03	0.17	0.01	2.41	2.01						
10 Min Non Synch West	0.00	0.00	0.00	0.00	0.00	0.19						
30 Min East	0.00	0.00	0.00	0.00	0.00	0.02						
30 Min West	0.00	0.00	0.00	0.00	0.00	0.02						
Regulation	8.12	12.91	9.11	8.32	7.30	7.97						
NYCA Regulation Movement	0.20	0.21	0.17	0.15	0.16	0.24						
<u>2014</u>	<u>January</u>	<u>February</u>	March	<u>April</u>	May	June	<u>July</u>	<u>August</u>	<u>September</u>	<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 West	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 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	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 8.18	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 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	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04	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	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48
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 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	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 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 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 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 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	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 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	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 Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 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	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 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	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 0.53 7.74 2.86 2.46 0.00 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 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 West 30 Min East 30 Min West Regulation	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	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 7.97	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	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 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 West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 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	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 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	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 0.53 7.74 2.86 2.46 0.00 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 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 West 30 Min East 30 Min East 30 Min West Regulation	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	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 7.97	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	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 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 West 10 Min Spin West 10 Min Non Synch West 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 0.93 24.05 16.64 13.16 0.26 0.00 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 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 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 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 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 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	$\begin{array}{c} 8.57\\ 4.47\\ 4.44\\ 0.55\\ 0.24\\ 9.12\\ \hline\\ 5.34\\ 1.61\\ 1.14\\ 0.00\\ 0.00\\ 0.00\\ 9.64\\ 0.17\\ \hline\\ 4.15\\ 0.94\\ \end{array}$	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	5.11 2.69 3.37 0.96 0.08 8.30 1.87 0.61 0.52 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 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 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 East30 Min East30 Min East30 Min East30 Min WestRegulationNYCA Regulation MovementReal Time Market10 Min Spin East10 Min Spin West10 Min Spin East10 Min Spin East10 Min Spin East10 Min Spin East10 Min Spin Kest10 Min Spin Kest10 Min Spin Kest10 Min Spin Kest10 Min Non Synch East10 Min Non Synch East10 Min Spin Kest10 Min Non Synch East10 Min Non Synch East	$17.19 \\ 10.02 \\ 8.40 \\ 2.02 \\ 1.77 \\ 1.77 \\ 37.05 \\ 19.32 \\ 12.18 \\ 7.43 \\ 1.68 \\ 0.08 \\ 30.21 \\ 0.28 \\ 19.64 \\ 13.10 \\ 9.03 \\ 10.23$	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 15.48 11.80 0.70	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	$\begin{array}{c} 8.57\\ 4.47\\ 4.44\\ 0.55\\ 0.24\\ 9.12\\ \hline\\ 5.34\\ 1.61\\ 1.14\\ 0.00\\ 0.00\\ 9.64\\ 0.17\\ \hline\\ 4.15\\ 0.94\\ 0.93\\ \end{array}$	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 8.30 1.87 0.61 0.52 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 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 Spin East10 Min Spin Kest10 Min Non Synch East10 Min Non Synch East10 Min Non Synch West30 Min WestRegulationNYCA Regulation MovementReal Time Market10 Min Spin East10 Min Spin Kest10 Min Spin Kest10 Min Spin West10 Min Non Synch East10 Min Non Synch Kest	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	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	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 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	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 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 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 Spin Kest10 Min Non Synch East10 Min Non Synch Kest30 Min WestRegulationNTCA Regulation MovementRegulationNYCA Regulation MovementReal Time Market10 Min Spin Kest10 Min Spin West10 Min Spin Kest10 Min Spin Kest10 Min Spin Kest10 Min Spin West10 Min Spin West10 Min Spin Kest10 Min Spin Kest10 Min Non Synch West30 Min Kest30 Min Kest30 Min Kest30 Min Kest30 Min Spin Kest30 Min Spin Kest30 Min Kest<	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	$\begin{array}{c} 8.57\\ 4.47\\ 4.44\\ 0.55\\ 0.24\\ 9.12\\ \hline\\ 5.34\\ 1.61\\ 1.14\\ 0.00\\ 0.00\\ 0.00\\ 9.64\\ 0.17\\ \hline\\ 4.15\\ 0.94\\ 0.93\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	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	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	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 WestRegulationRTC Market10 Min Spin East10 Min Spin West10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min WestRegulationRTC Market10 Min Spin East10 Min Non Synch West30 Min WestRegulationNYCA Regulation MovementReal Time Market10 Min Spin East10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min West30 Min West30 Min Non Synch West30 Min Kast30 Min East30 Min Kast30 Min East30 Min Kast30 Min Kast30 Min Kast	$17.19 \\ 10.02 \\ 8.40 \\ 2.02 \\ 1.77 \\ 1.77 \\ 37.05 \\ 19.32 \\ 12.18 \\ 7.43 \\ 1.68 \\ 0.08 \\ 0.08 \\ 30.21 \\ 0.28 \\ 19.64 \\ 13.10 \\ 9.03 \\ 3.37 \\ 1.10 \\ 0.92 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10 \\ 1.10 \\ 0.92 \\ 10.10 \\ 1.10$	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 0.00 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 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	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 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17 1.92 0.72 0.72 0.48 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	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 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 Spin Kest10 Min Non Synch East10 Min Non Synch Kest30 Min WestRegulationNTCA Regulation MovementRegulationNYCA Regulation MovementReal Time Market10 Min Spin Kest10 Min Spin West10 Min Spin Kest10 Min Spin Kest10 Min Spin Kest10 Min Spin West10 Min Spin West10 Min Spin Kest10 Min Spin Kest10 Min Non Synch West30 Min Kest30 Min Kest30 Min Kest30 Min Kest30 Min Spin Kest30 Min Spin Kest30 Min Kest<	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	$\begin{array}{c} 8.57\\ 4.47\\ 4.44\\ 0.55\\ 0.24\\ 9.12\\ \hline\\ 5.34\\ 1.61\\ 1.14\\ 0.00\\ 0.00\\ 0.00\\ 9.64\\ 0.17\\ \hline\\ 4.15\\ 0.94\\ 0.93\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	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	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	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

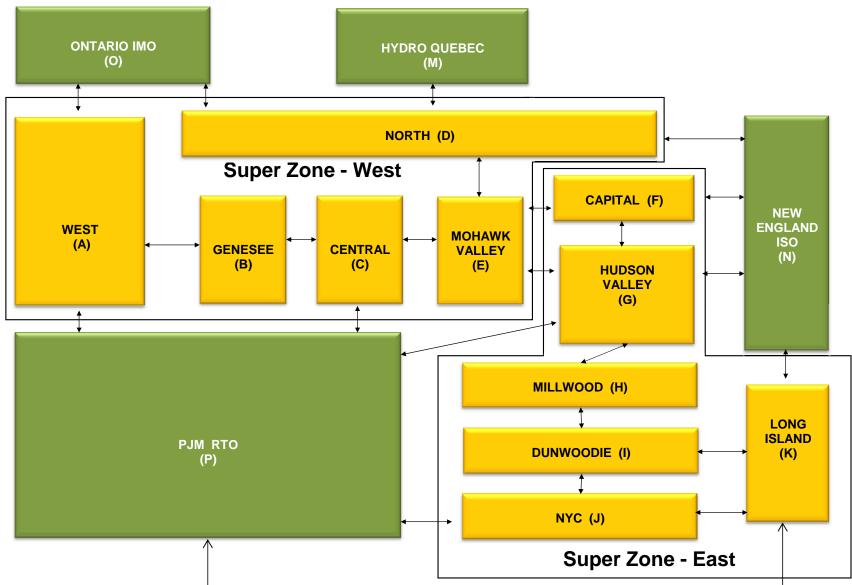








NYISO LBMP ZONES



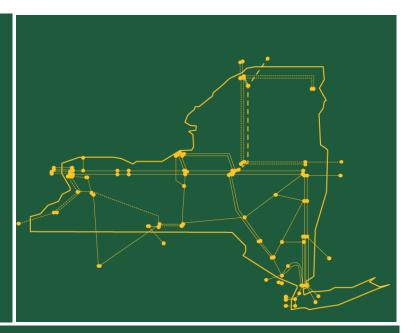
Market Mitigation and Analysis Prepared: 7/6/2015 3:02 PM

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.



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