

Market Operations Report

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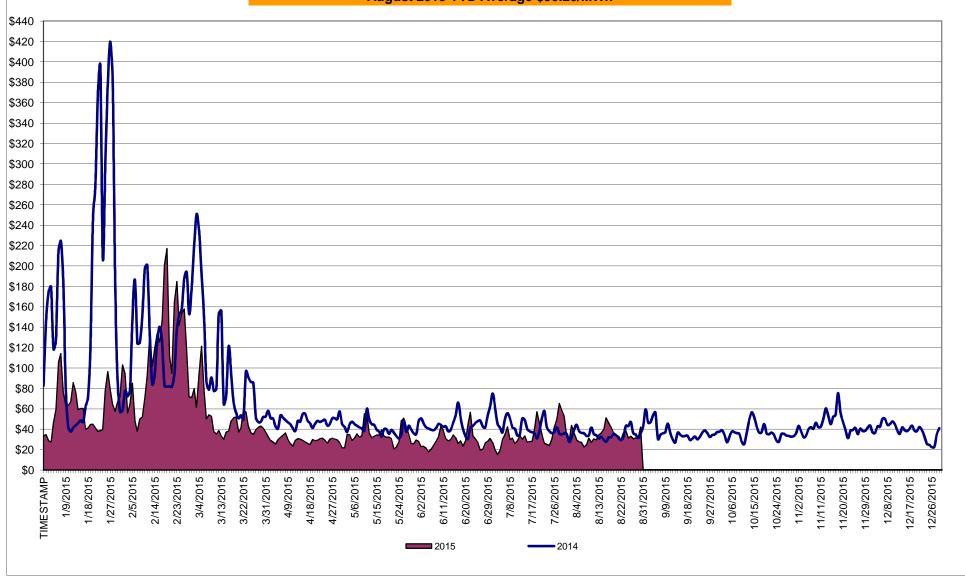
Business Issues Committee Meeting September 16, 2015

Market Performance Highlights for August 2015

- LBMP for August is \$33.09/MWh; lower than \$34.78/MWh in July 2015 and lower than \$34.48/MWh in August 2014.
 - Day Ahead Load Weighted LBMPs are lower compared to July.
 - Real Time Load Weighted LBMPs are higher compared to July.
 - > This is the lowest LBMP for the month of August during NYISO operation.
- August 2015 average year-to-date monthly cost of \$50.22/MWh is a 39% decrease from \$82.60/MWh in August 2014.
- Average daily sendout is 511 GWh/day in August; lower than 512 GWh/day in June 2015 and higher than 470 GWh/day in August 2014.
- Natural gas prices were higher compared to the previous month and distillate prices were lower compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$2.38/MMBtu, up 20% from \$1.99/MMBtu in July.
 - Jet Kerosene Gulf Coast was \$10.34/MMBtu, down from \$11.51/MMBtu in July.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$10.86/MMBtu, down from \$12.07/MMBtu in July.
 - Distillate prices are down 49% year-over-year
- Uplift per MWh is lower compared to the previous month.
 - Uplift (not including NYISO cost of operations) is \$0.03/MWh; lower than \$0.04/MWh in July.
 - The Local Reliability Share is \$0.36/MWh, higher than \$0.34 in July.
 - The Statewide Share is (\$0.33)/MWh, lower than (\$0.31)/MWh in July.
 - TSA \$ per NYC MWh is \$0.06/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are slightly lower than July.

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

2014 Annual Average \$69.31MWh August 2014 YTD Average \$82.60/MWh August 2015 YTD Average \$50.20/MWh

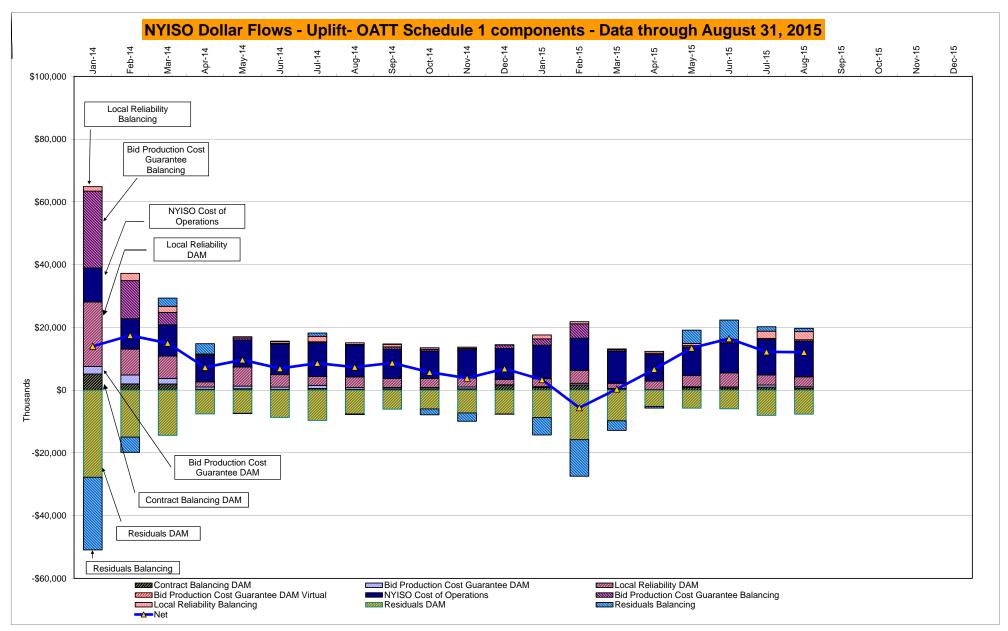


^{*} Excludes ICAP payments.

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	September	October	November	December
LBMP	59.61	114.37	52.09	28.36	32.98	28.19	34.78	33.09				
NTAC	0.32	0.35	0.41	0.64	0.56	0.80	0.55	0.60				
Reserve	0.27	0.37	0.56	0.36	0.38	0.24	0.27	0.20				
Regulation	0.10	0.18	0.11	0.12	0.10	0.13	0.12	0.12				
NYISO Cost of Operations	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70				
Uplift	(0.48)	(1.09)	(0.68)	(0.15)	0.28	0.33	0.04	0.03				
Uplift: Local Reliability Share	0.25	0.33	0.13	0.27	0.32	0.37	0.34	0.36				
Uplift: Statewide Share	(0.73)	(1.42)	(0.81)	(0.42)	(0.04)	(0.03)	(0.31)	(0.33)				
Voltage Support and Black Start	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39				
Avg Monthly Cost	60.91	115.27	53.58	30.41	35.39	30.79	36.84	35.13				
Avg Monthly Cost	00.91	113.21	33.30	30.41	33.39	30.79	30.04	33.13				
Avg YTD Cost	60.91	87.73	76.64	66.82	60.97	56.02	52.77	50.20				
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.17	0.50	0.07	0.06				
2014	January	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	183.36	123.19	109.58	46.09	40.30	43.39	43.97	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	0.26	0.26	0.29	0.48	0.37	0.23
Regulation	0.27	0.21	0.22	0.13	0.12	0.12	0.12	0.13	0.11	0.12	0.11	0.08
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	0.22	0.56	0.35	(0.09)	0.07	(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
Avg Monthly Gost	100.24	120.14	112.10	70.02	42.01	40.00	40.07	30.14	33.30	37.33	77.71	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	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	79.77	85.76	48.94	44.47	52.21	50.17	68.49	40.81	44.24	39.85	43.30	66.41
NTAC	0.79	0.83	0.76	0.90	0.85	0.86	0.66	0.28	0.57	0.87	1.08	0.59
Reserve	0.38	0.44	0.43	0.36	0.49	0.34	0.50	0.32	0.38	0.42	0.38	0.44
Regulation	0.13	0.13	0.10	0.11	0.09	0.13	0.11	0.13	0.13	0.16	0.13	0.12
NYISO Cost of Operations	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Uplift	0.21	(0.15)	(0.33)	0.02	0.41	0.49	2.06	0.03	(0.05)	0.18	(0.07)	(0.25)
Uplift: Local Reliability Share	0.44	0.40	0.19	0.37	0.58	0.81	1.27	0.49	0.31	0.38	0.19	0.12
Uplift: Statewide Share	(0.23)	(0.55)	(0.52)	(0.35)	(0.17)	(0.31)	0.79	(0.46)	(0.36)	(0.19)	(0.25)	(0.37)
Voltage Support and Black Start	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Avg Monthly Cost	82.34	88.06	50.96	46.91	55.10	53.05	72.87	42.62	46.31	42.54	45.88	68.36
Avg Monthly Cost	02.34	00.00	30.90	40.91	33.10	33.03	72.07	42.02	40.51	42.54	45.00	00.50
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. Market Mitigation and Analysis Prepared: 9/4/2015 7:54 AM Data reflects true-ups thru April 2015.



DAM Contract Balancing amounts are for payments made to generating units to make them whole for being dispatched below their Day-Ahead schedule, as a result of out-of-merit dispatches.

DAM Bid Production Cost Guarantees for Virtual Transactions are included in the chart and are shown from the inception of Virtual Transactions. These values are small and cannot be identified on the chart.

DAM residuals consist of both energy and loss revenue collections and payments. By design, there is a net over collection of revenues due to the difference between the marginal losses paid to generation and the average losses charged to loads.

NYISO Markets Transactions

<u>2015</u>	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	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	14,277,299	16,573,027	16,333,932				
DAM LSE Internal LBMP Energy Sales	55%	54%	53%	55%	57%	57%	62%	61%				
DAM External TC LBMP Energy Sales	5%	6%	6%	4%	2%	1%	1%	1%				
DAM Bilateral - Internal Bilaterals	35%	33%	33%	33%	35%	33%	30%	31%				
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	3%	5%	5%	6%	4%	5%	4%	4%				
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	1%	2%	1%	1%	1%	1%				
DAM Bilateral - Wheel Through Bilaterals	0%	1%	1%	1%	0%	2%	2%	2%				
Balancing Energy Market MWh	-650,944	-296,616	-396,739	-409,205	-327,906	-545,880	-500,469	-225,362				
Balancing Energy LSE Internal LBMP Energy Sales	-149%	-247%	-192%	-147%	-143%	-106%	-121%	-139%				
Balancing Energy External TC LBMP Energy Sales	30%	113%	64%	36%	36%	17%	25%	51%				
Balancing Energy Bilateral - Internal Bilaterals	13%	14%	19%	5%	6%	6%	13%	25%				
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	1%	0%	0%				
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	6%	8%	12%	12%	10%	4%	3%	8%				
Balancing Energy Bilateral - Wheel Through Bilaterals	0%	12%	-4%	-5%	-9%	-22%	-21%	-44%				
Transactions Summary	070	1270	170	070	070	2270	2170	1170				
LBMP	58%	59%	57%	57%	58%	57%	61%	61%				
Internal Bilaterals	37%	34%	35%	35%	36%	35%	32%	32%				
Import Bilaterals	3%	5%	5%	6%	4%	5%	5%	5%				
Export Bilaterals	2%	2%	2%	2%	2%	1%	1%	1%				
Wheels Through	0%	1%	1%	0%	0%	1%	1%	1%				
Market Share of Total Load	076	1 /0	1 /0	0 /6	076	1 /0	1 /0	1 /0				
	404.00/	400.00/	400.70/	400.40/	400 50/	404.00/	400.40/	404 40/				
Day Ahead Market	104.3%	102.0%	102.7% -2.7%	103.4%	102.5% -2.5%	104.0% -4.0%	103.1% -3.1%	101.4%				
Balancing Energy +	-4.3%	-2.0%		-3.4%				-1.4%				
Total MWH			14,662,468	12,180,116	12,964,011		16,072,558	16,108,570				
Average Daily Energy Sendout/Month GWh	462	481	436	387	409	450	512	511				
2014	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
2014 Day Ahead Market MWh	<u>January</u> 16,034,264	<u>February</u> 14,409,515	March 14,633,570	<u>April</u> 12,101,747	<u>May</u> 12,984,458	<u>June</u> 14,719,929	<u>July</u> 16,528,338	<u>August</u> 15,536,610	<u>September</u> 14,312,509	October 13,684,158	November 13,945,509	<u>December</u> 14,992,656
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales							·					14,992,656 54%
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
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales	16,034,264 52%	14,409,515 50%	14,633,570 53%	12,101,747 56%	12,984,458 53%	14,719,929 54%	16,528,338 58%	15,536,610 57%	14,312,509 56%	13,684,158 54%	13,945,509 54%	14,992,656 54%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales	16,034,264 52% 5%	14,409,515 50% 7%	14,633,570 53% 6%	12,101,747 56% 3%	12,984,458 53% 2%	14,719,929 54% 3%	16,528,338 58% 1%	15,536,610 57% 0%	14,312,509 56% 1%	13,684,158 54% 2%	13,945,509 54% 5%	14,992,656 54% 5% 36% 3%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals	16,034,264 52% 5% 36%	14,409,515 50% 7% 36%	14,633,570 53% 6% 35%	12,101,747 56% 3% 33%	12,984,458 53% 2% 38%	14,719,929 54% 3% 36%	16,528,338 58% 1% 34%	15,536,610 57% 0% 35%	14,312,509 56% 1% 36%	13,684,158 54% 2% 38%	13,945,509 54% 5% 36%	14,992,656 54% 5% 36%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals	16,034,264 52% 5% 36% 5%	14,409,515 50% 7% 36% 5%	14,633,570 53% 6% 35% 5%	12,101,747 56% 3% 33% 6%	12,984,458 53% 2% 38% 5%	14,719,929 54% 3% 36% 5%	16,528,338 58% 1% 34% 4%	15,536,610 57% 0% 35% 5%	14,312,509 56% 1% 36% 4%	13,684,158 54% 2% 38% 4%	13,945,509 54% 5% 36% 3%	14,992,656 54% 5% 36% 3%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals	16,034,264 52% 5% 36% 5% 2%	14,409,515 50% 7% 36% 5% 1%	14,633,570 53% 6% 35% 5% 1%	12,101,747 56% 3% 33% 6% 2%	12,984,458 53% 2% 38% 5% 2%	14,719,929 54% 3% 36% 5% 1%	16,528,338 58% 1% 34% 4% 1%	15,536,610 57% 0% 35% 5% 1%	14,312,509 56% 1% 36% 4% 1%	13,684,158 54% 2% 38% 4% 2%	13,945,509 54% 5% 36% 3% 2%	14,992,656 54% 5% 36% 3% 2%
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Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203%	14,633,570 53% 6% 35% 5% 1% 1% -116,173 -294%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114%	16,528,338 58% 1% 34% 4% 1% 1% -854,501 -116%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76%	14,633,570 53% 6% 35% 5% 1% 1% -116,173 -294% 97%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22%	16,528,338 58% 1% 34% 4% 1% 1% -854,501 -116% 18%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28%
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⁺ Balancing Energy: Load(MW) purchased at Real Time LBMP.

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

Virtual Transactions are not reflected in this chart.

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

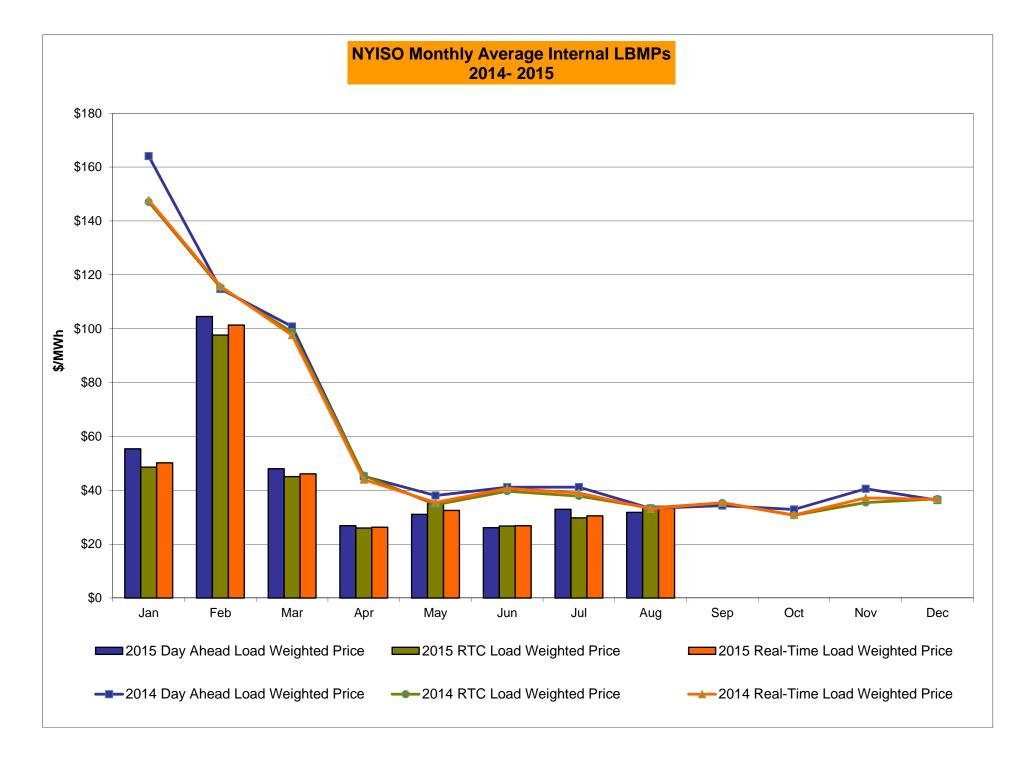
NYISO Markets 2015 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August September	October November December
DAY AHEAD LBMP Price *	\$53.35	\$101.48	\$46.59	\$26.07	\$29.21	\$24.30	\$30.27	\$30.01	
Standard Deviation	\$24.61	\$48.85	\$21.51	\$6.73	\$13.44	\$11.96	\$17.67	\$12.05	
Load Weighted Price **	\$55.40	\$104.52	\$48.01	\$26.84	\$31.08	\$26.12	\$32.94	\$31.81	
RTC LBMP									
Price *	\$46.98	\$95.06	\$43.43	\$25.11	\$32.85	\$24.73	\$27.51	\$31.83	
Standard Deviation	\$22.84	\$47.55	\$29.42	\$12.31	\$35.40	\$24.71	\$21.84	\$23.25	
Load Weighted Price **	\$48.59	\$97.62	\$45.10	\$26.00	\$35.08	\$26.73	\$29.76	\$34.04	
REAL TIME LBMP									
Price *	\$48.51	\$98.83	\$44.38	\$25.46	\$30.39	\$23.96	\$27.71	\$31.54	
Standard Deviation	\$25.99	\$52.53	\$29.07	\$12.66	\$31.69	\$31.14	\$23.42	\$26.51	
Load Weighted Price **	\$50.18	\$101.34	\$46.10	\$26.28	\$32.52	\$26.86	\$30.50	\$34.05	
Average Daily Energy Sendout/Month GWh	462	481	436	387	409	450	512	511	

NYISO Markets 2014 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August S	<u>September</u>	October	November [<u>December</u>
DAY AHEAD LBMP	6455 44	£440.00	CO7 O7	64440	# 20.04	600.47	# 20.02	604 70	COO 40	ድ ጋላ ርር	#20.40	COT 40
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	\$121.52	\$50.86	\$59.89	\$8.90	\$10.99	\$12.29	\$15.56	\$9.90	\$11.59	\$9.77	\$13.38	\$11.21
Load Weighted Price **	\$164.06	\$114.77	\$100.81	\$45.19	\$38.05	\$41.14	\$41.18	\$33.28	\$34.31	\$32.89	\$40.57	\$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
ŭ	•	·	·	·	·		·		·	•	•	
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
2000 1101g11100 1 1100	Ψ	ψ	ψυου	ψ.σ.σ.	ψοσ. 10	ψ.σ.,	ψοσ.σσ	ψοσ. το	ψοσ. 12	ψοσ.σ ι	ψοπιπ	ψοσ.σσ
Average Daily Energy Sendout/Month GWh	475	460	440	390	391	456	496	470	442	394	413	433

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

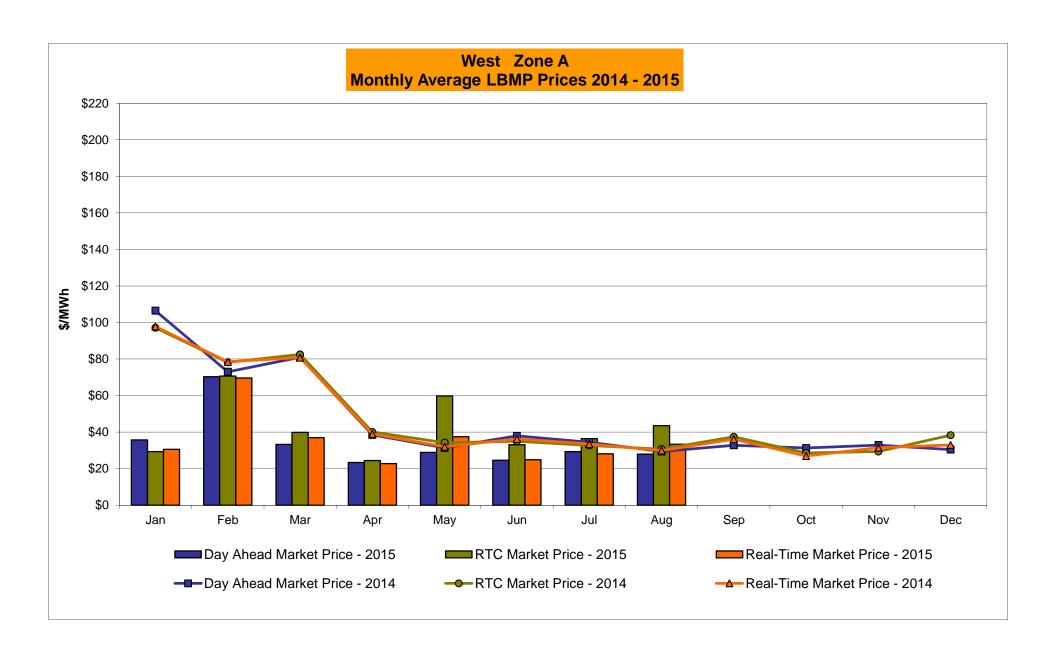


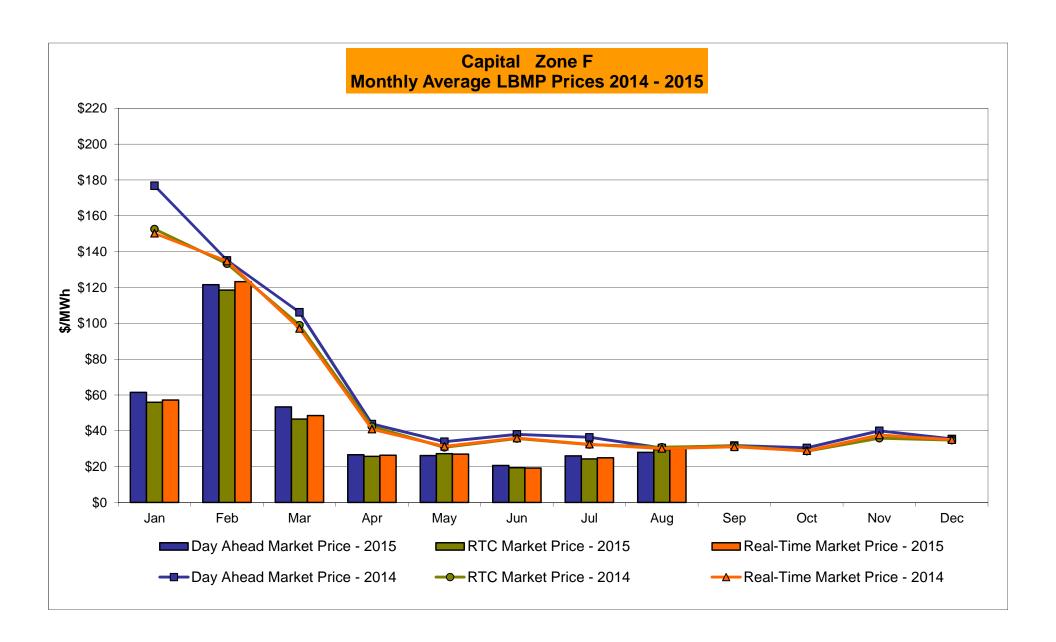
August 2015 Zonal LBMP Statistics for NYISO (\$/MWh)

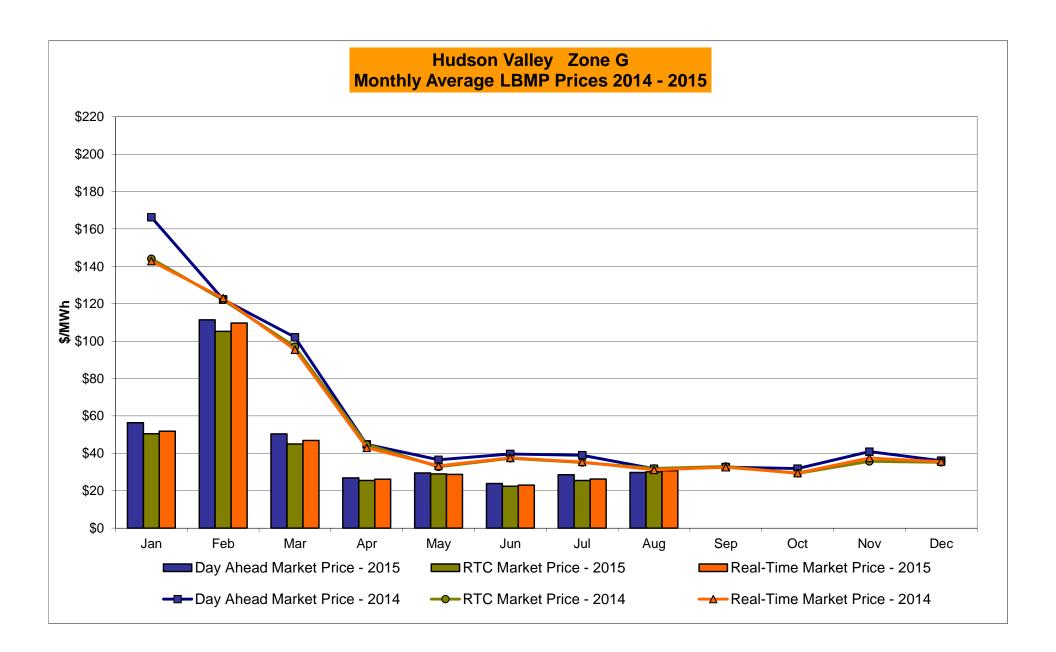
	WEST	GENESEE	NORTH	CENTRAL	MOHAWK VALLEY	CAPITAL	HUDSON VALLEY	MILLWOOD	DUNWOODIE	NEW YORK CITY	LONG ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP											<u> </u>
Unweighted Price *	27.88	24.31	22.98	25.43	25.70	28.00	29.75	30.04	30.05	31.10	36.18
Standard Deviation	13.42	8.73	8.63	9.52	9.44	9.95	11.61	12.02	12.02	12.54	16.76
RTC LBMP											
Unweighted Price *	43.48	23.55	23.26	27.06	26.03	29.50	30.07	30.26	30.20	31.90	35.95
Standard Deviation	64.77	16.13	16.35	20.55	18.19	19.48	20.88	21.31	21.27	22.99	37.47
REAL TIME LBMP											
Unweighted Price *	33.38	24.86	23.99	26.78	26.66	29.96	30.67	30.86	30.81	32.93	36.07
Standard Deviation	51.84	19.02	20.31	24.88	22.35	23.84	24.28	24.55	24.45	25.88	38.64
		HYDRO	HYDRO			CROSS					
	ONTARIO	QUEBEC	QUEBEC	D IM	NEW	SOUND	NORTHPORT-	NEDTUNE	LINDENVET	HIDCON	Dannisan
	ONTARIO IESO	QUEBEC	_	РЈМ	NEW ENGLAND	SOUND CABLE	NORWALK	NEPTUNE Controllable	LINDEN VFT	HUDSON	Dennison
	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	Controllable	Controllable
DAY AHEAD LBMP	-	QUEBEC	QUEBEC	PJM Zone P		SOUND CABLE	NORWALK	_			
DAY AHEAD LBMP Unweighted Price *	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	Controllable	Controllable
	IESO Zone O	QUEBEC (Wheel)	QUEBEC (Import/Export)	Zone P	ENGLAND Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
Unweighted Price *	Zone O 23.19	QUEBEC (Wheel) Zone M	QUEBEC (Import/Export) Zone M 23.46	Zone P 28.35	ENGLAND Zone N 28.76	SOUND CABLE Controllable Line	NORWALK Controllable Line 31.96	Controllable Line 34.46	Controllable Line 29.75	Controllable Line 30.18	Controllable Line 22.70
Unweighted Price * Standard Deviation	Zone O 23.19	QUEBEC (Wheel) Zone M	QUEBEC (Import/Export) Zone M 23.46	Zone P 28.35	ENGLAND Zone N 28.76	SOUND CABLE Controllable Line	NORWALK Controllable Line 31.96	Controllable Line 34.46	Controllable Line 29.75	Controllable Line 30.18	Controllable Line 22.70
Unweighted Price * Standard Deviation RTC LBMP	Zone O 23.19 7.60	QUEBEC (Wheel) Zone M 23.46 8.43	QUEBEC (Import/Export) Zone M 23.46 8.43	Zone P 28.35 11.27	Zone N 28.76 10.63	SOUND CABLE Controllable Line 35.25 16.13	NORWALK Controllable Line 31.96 12.70	Controllable Line 34.46 15.79	Controllable Line 29.75 11.52	Controllable Line 30.18 12.04	Controllable Line 22.70 8.44
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price *	Zone O 23.19 7.60	QUEBEC (Wheel) Zone M 23.46 8.43 23.18 16.23	QUEBEC (Import/Export) Zone M 23.46 8.43	Zone P 28.35 11.27	ENGLAND Zone N 28.76 10.63	SOUND CABLE Controllable Line 35.25 16.13	NORWALK Controllable Line 31.96 12.70	24.46 15.79 33.51	29.75 11.52 20.29	30.18 12.04	22.70 8.44 22.75 15.63
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	Zone O 23.19 7.60	QUEBEC (Wheel) Zone M 23.46 8.43 23.18	QUEBEC (Import/Export) Zone M 23.46 8.43	Zone P 28.35 11.27	ENGLAND Zone N 28.76 10.63	SOUND CABLE Controllable Line 35.25 16.13	NORWALK Controllable Line 31.96 12.70	24.46 15.79 33.51	29.75 11.52 20.29	30.18 12.04	22.70 8.44

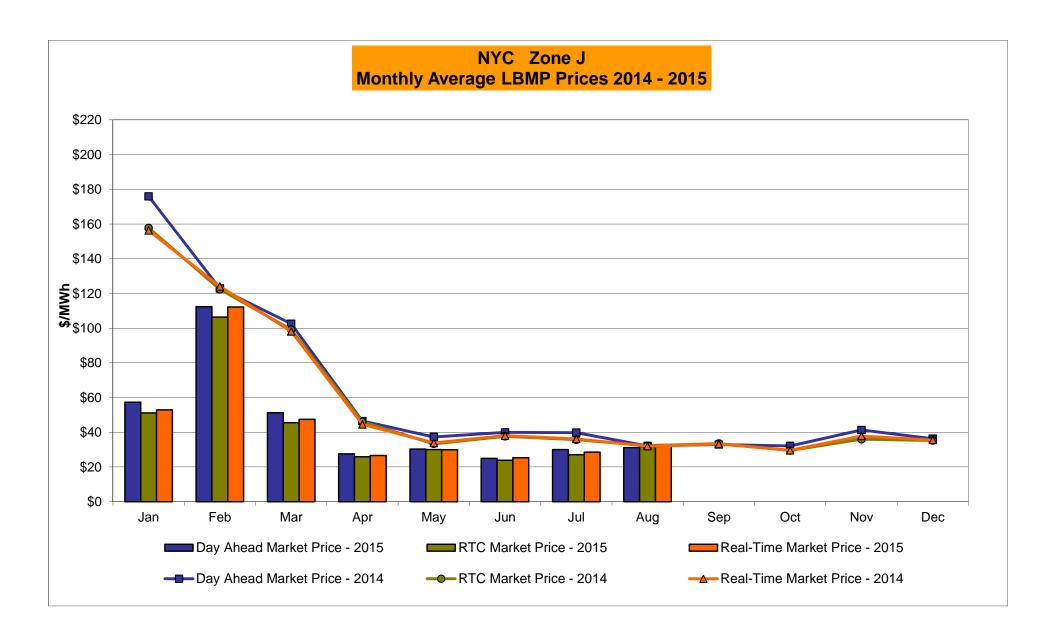
Market Mitigation and Analysis Prepared: 9/3/2015 10:53 AM

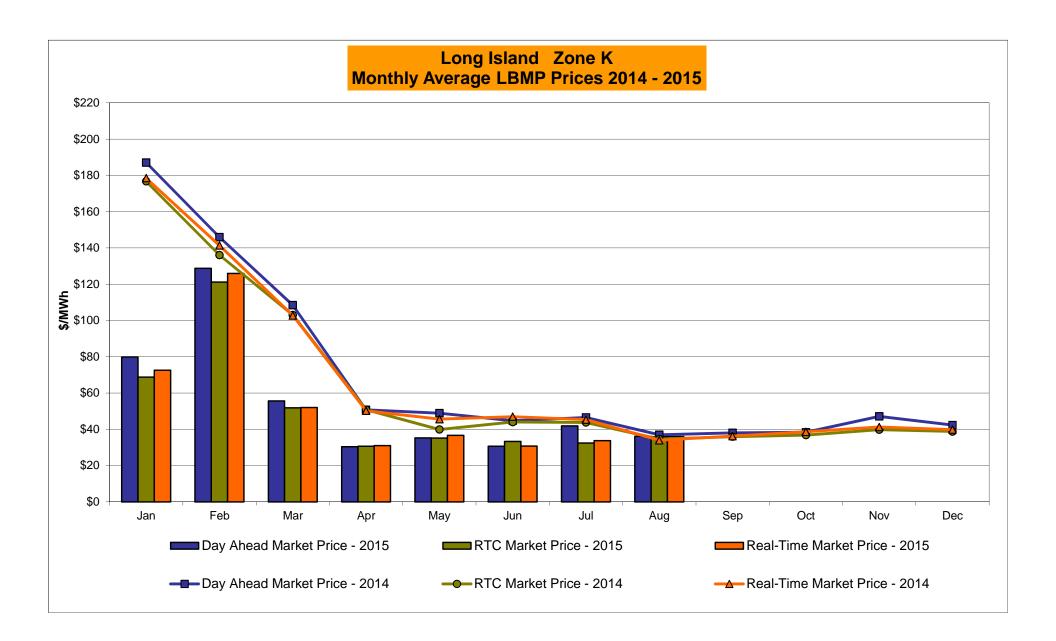
^{*} Straight LBMP averages

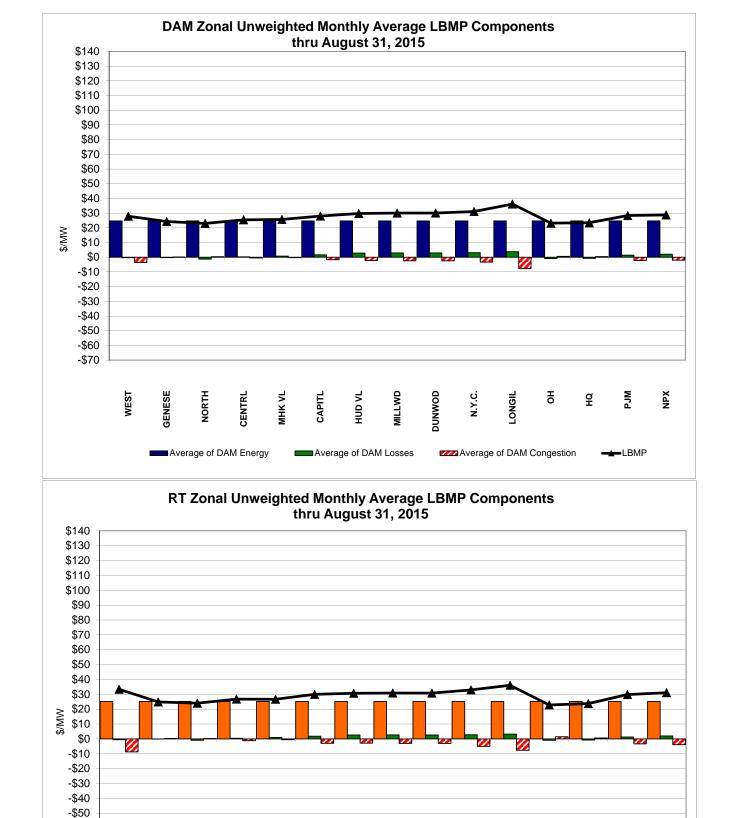












Average of RT Energy

-\$60 -\$70

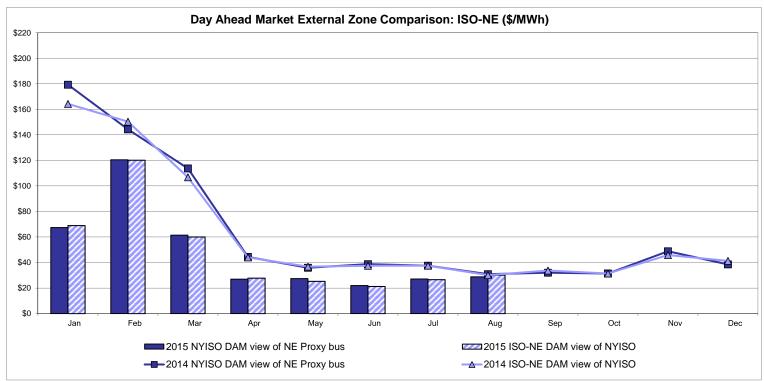
Average of RT Congestion

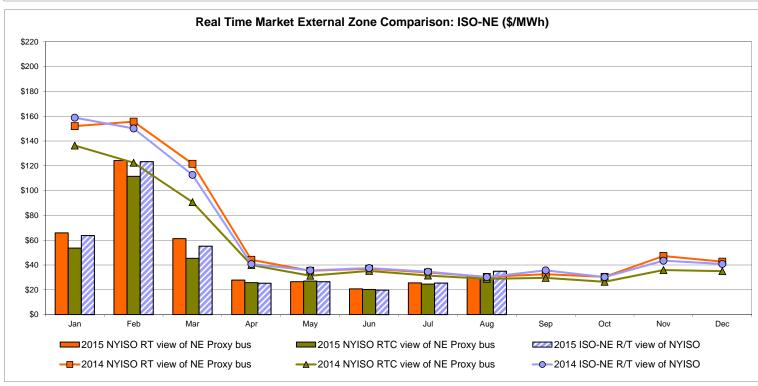
Average of RT Losses

MPX

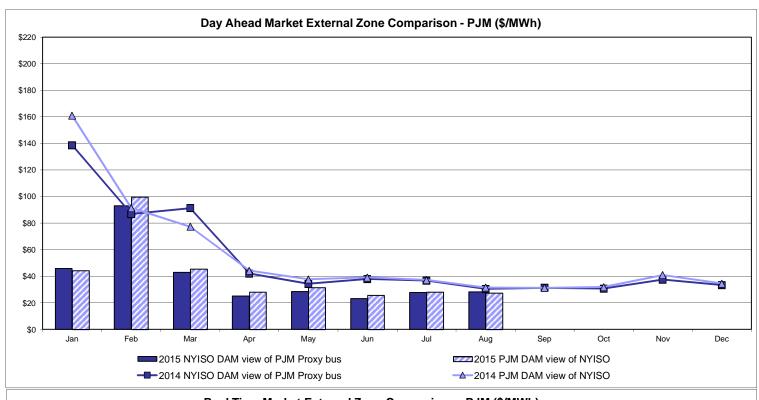
LBMP

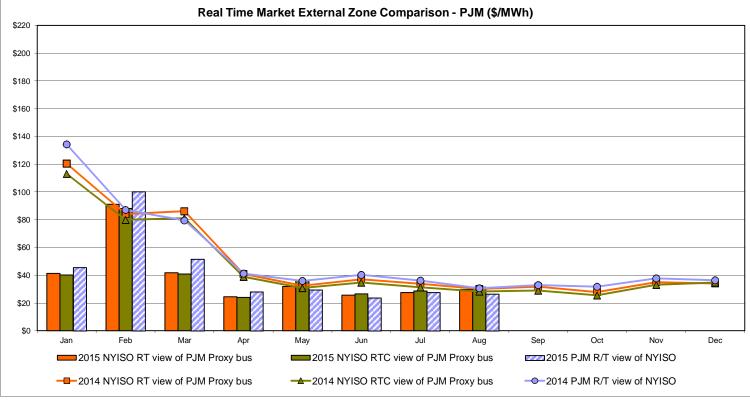
External Comparison ISO-New England



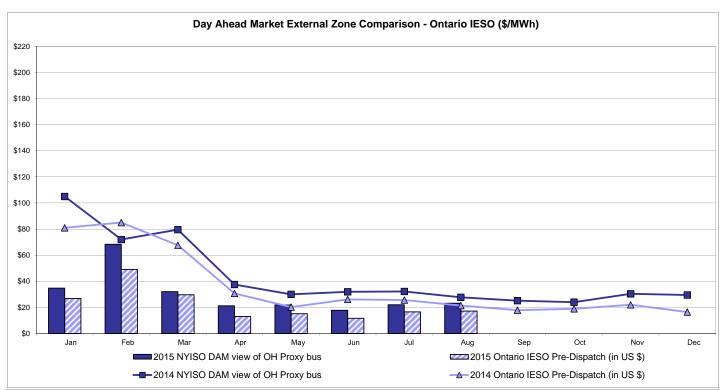


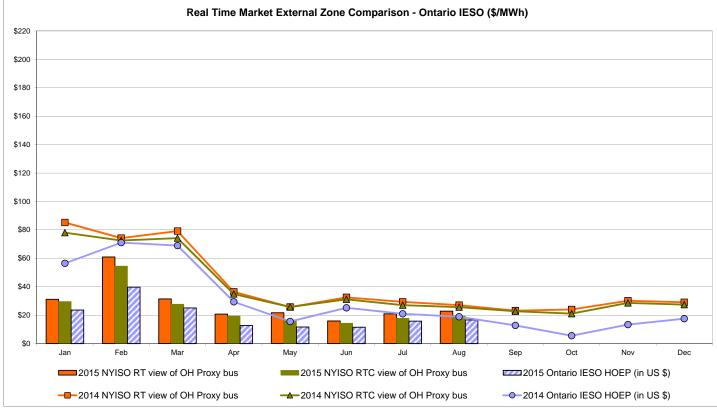
External Comparison PJM





External Comparison Ontario IESO

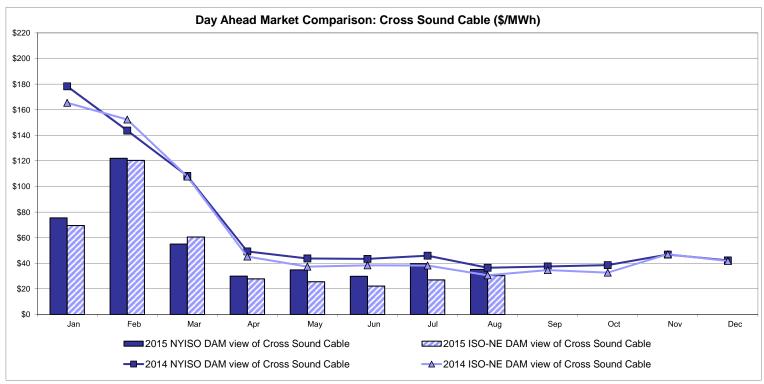


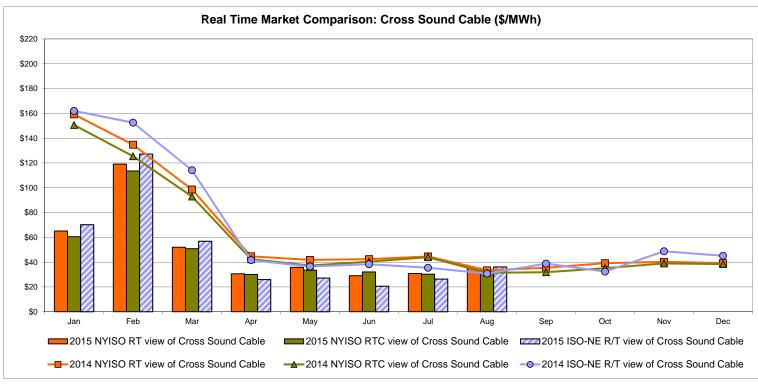


Notes: Exchange factor used for August 2015 was 0.7609 to US

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

External Controllable Line: Cross Sound Cable (New England)





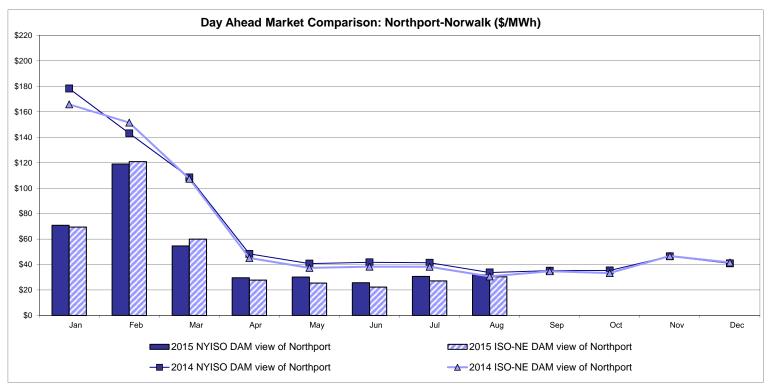
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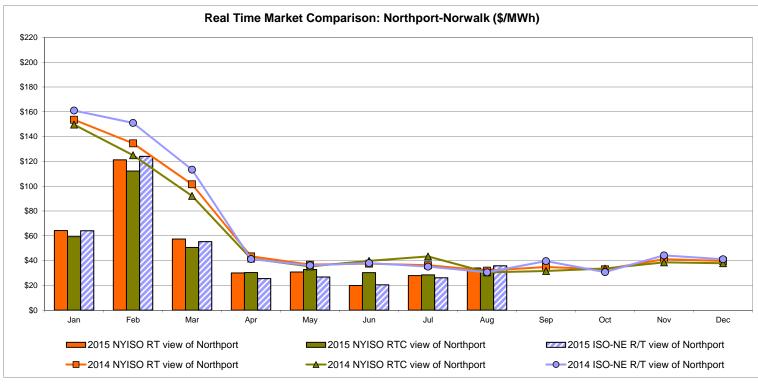
ISO-NE Forecast is an advisory posting @ 18:00 day before.

The DAM and R/T prices at the 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)





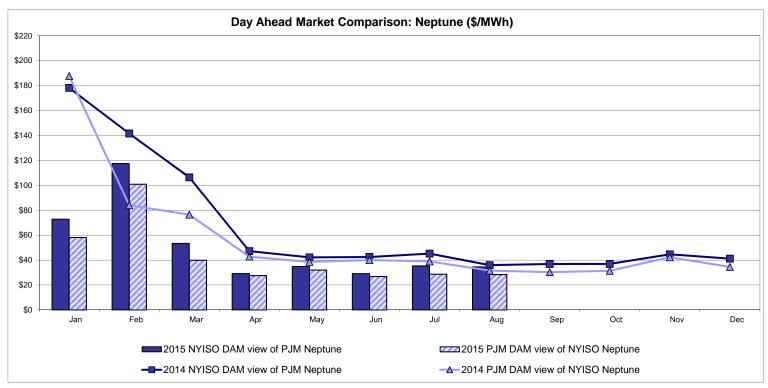
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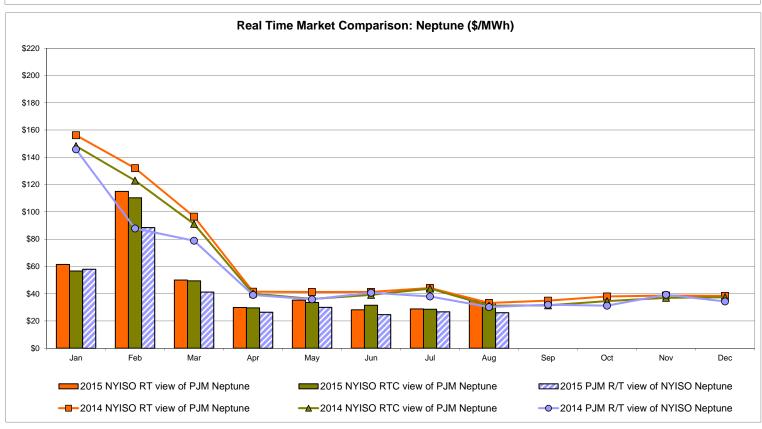
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

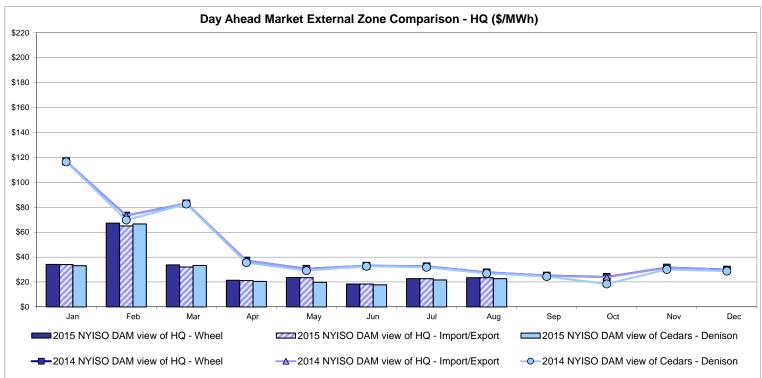
The DAM and R/T prices at the 1385 interface are used for NYISO.

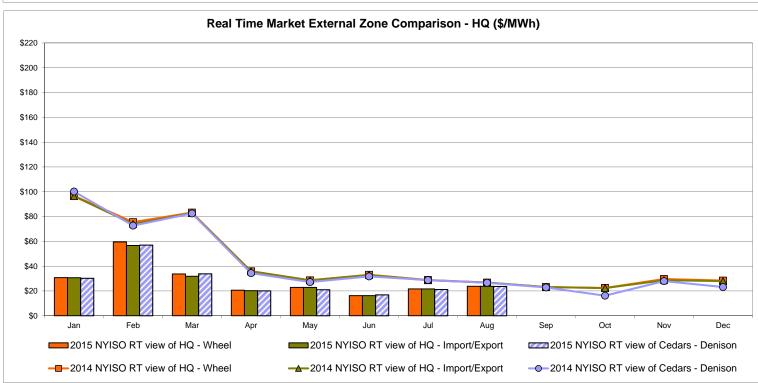
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

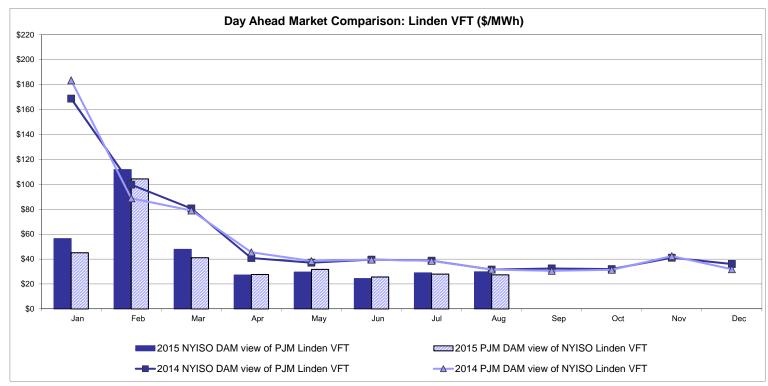


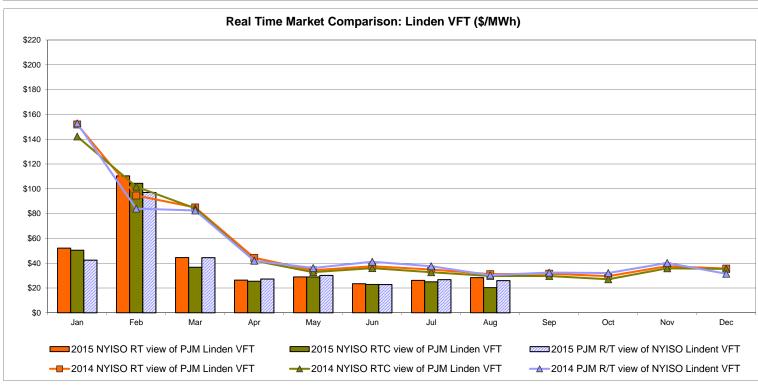


Note:

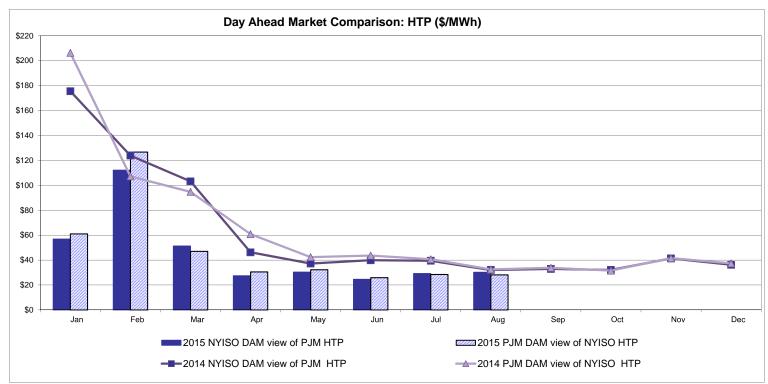
Hydro-Quebec Prices are unavailable.

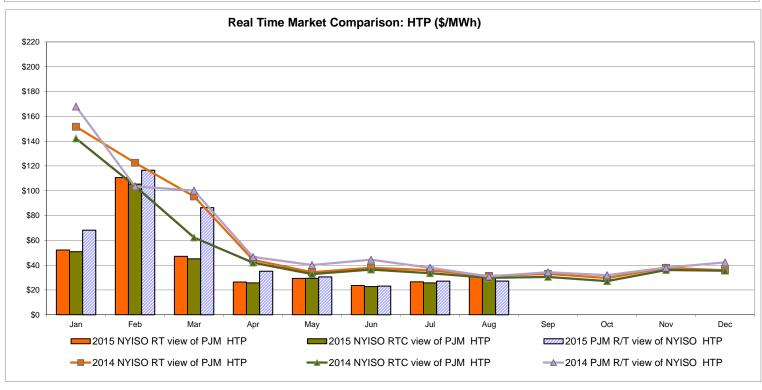
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)



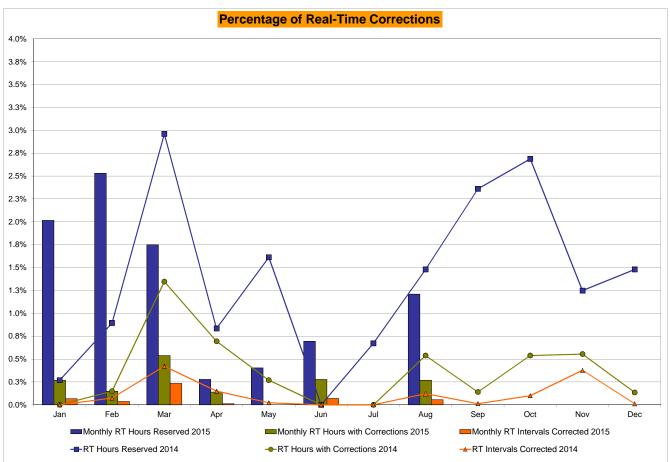


NYISO Real Time Price Correction Statistics

2015		<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
Hour Corrections	in the seconds	0	1	4	1	0	0	0					
Number of hours with corrections Number of hours	in the month in the month	2 744	672	4 743	720	0 744	2 720	744	2 744				
% of hours with corrections		744 0.27%	0.15%	743 0.54%	720 0.14%	0.00%	720 0.28%	744 0.00%	744 0.27%				
% of nours with corrections	in the month	0.27%	0.15%	0.54%	0.14%	0.00%	0.28%	0.00%	0.27%				
% of hours with corrections	year-to-date	0.27%	0.21%	0.32%	0.28%	0.22%	0.23%	0.20%	0.21%				
Interval Corrections													
Number of intervals corrected	in the month	6	3	21	1	0	6	0	5				
Number of intervals	in the month	9,066	8,231	9,005	8,696	9,032	8,731	9,025	8,987				
% of intervals corrected	in the month	0.07%	0.04%	0.23%	0.01%	0.00%	0.07%	0.00%	0.06%				
% of intervals corrected	year-to-date	0.07%	0.05%	0.11%	0.09%	0.07%	0.07%	0.06%	0.06%				
Hours Reserved													
Number of hours reserved	in the month	15	17	13	2	3	5	0	9				
Number of hours	in the month	744	672	743	720	744	720	744	744				
% of hours reserved	in the month	2.02%	2.53%	1.75%	0.28%	0.40%	0.69%	0.00%	1.21%				
% of hours reserved	year-to-date	2.02%	2.26%	2.08%	1.63%	1.38%	1.27%	1.08%	1.10%				
Days to Correction *	,												-
Avg. number of days to correction	in the month	3.00	1.00	1.00	0.00	0.00	1.50	0.00	1.00				
Avg. number of days to correction	year-to-date	3.00	2.00	1.40	1.17	1.17	1.25	1.25	1.22				
Days Without Corrections													
Days without corrections	in the month	30	27	28	29	31	28	31	30				
Days without corrections	year-to-date	30	57	85	114	145	173	204	234				
2014		<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	July	August	September	October	November	December
2014 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
	in the month	<u>January</u> 0	<u>February</u> 1	March 10	<u>April</u> 5	<u>May</u> 2	<u>June</u> 0	<u>July</u> 0	August 4	September 1	October 4	November 4	<u>December</u>
Hour Corrections	in the month				<u></u>	<u></u>							
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 % of hours with corrections	in the month in the month	0 744	1 672	10 743	5 720	2 744	0 720	0 744 0.00%	4 744	1 720	4 744	4 721	1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours	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	4 744 0.54%	1 720 0.14%	4 744 0.54%	4 721 0.55%	1 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month in the month	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%	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 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% 0.00% 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% 0.37% 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	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%	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% 0.37% 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% 0.00% 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% 0.37% 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 in the month year-to-date	0 744 0.00% 0.00% 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% 0.37% 1 9,030 0.01% 0.11%
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 % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	0 744 0.00% 0.00% 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% 0.37% 1 9,030 0.01% 0.11%
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 % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	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 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% 0.10% 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% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Mumber of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved	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% 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% 20 744	4 721 0.55% 0.39% 33 8,763 0.38% 0.12%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11%
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Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Minterval Corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction Avg. number of days to correction Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month year-to-date	0 744 0.00% 0.00% 0 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% 6 672 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% 0.16% 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%
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Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Minterval Corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction Avg. number of days to correction Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month	0 744 0.00% 0.00% 0 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% 6 672 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% 0.16% 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%	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%

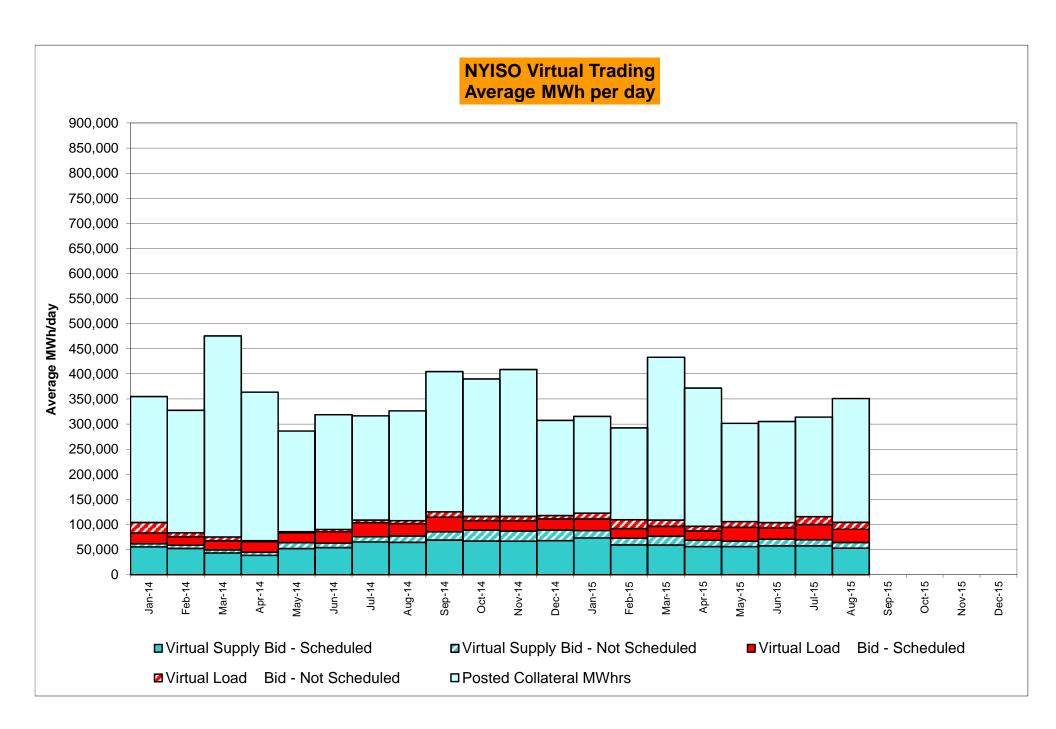
^{*} Calendar days from reservation date.

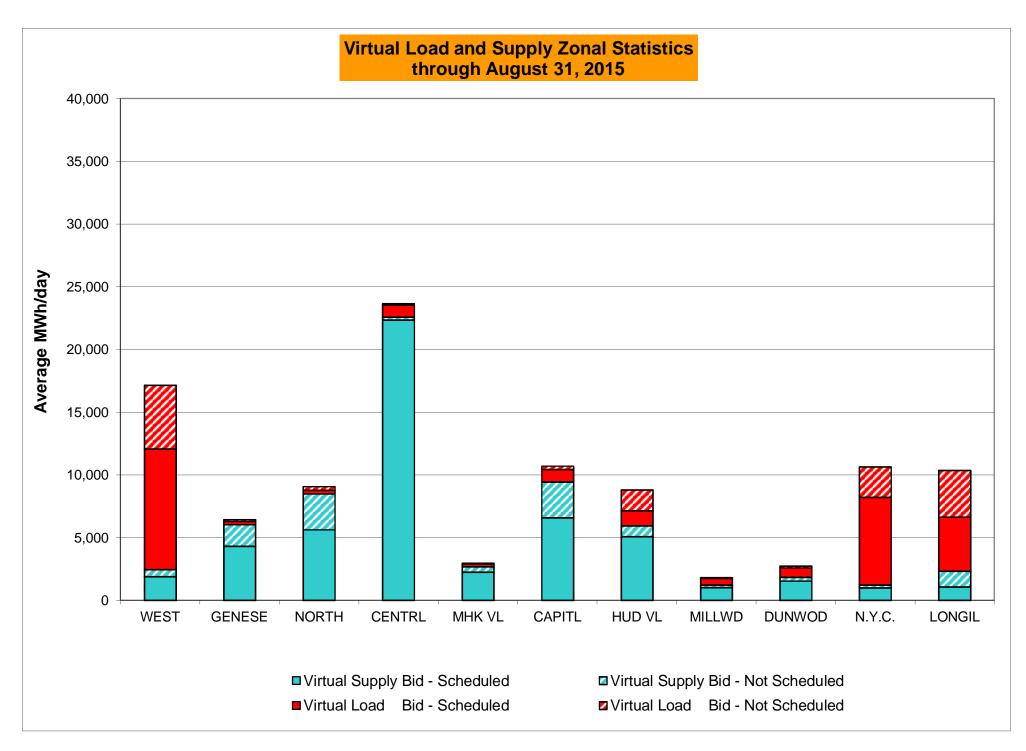
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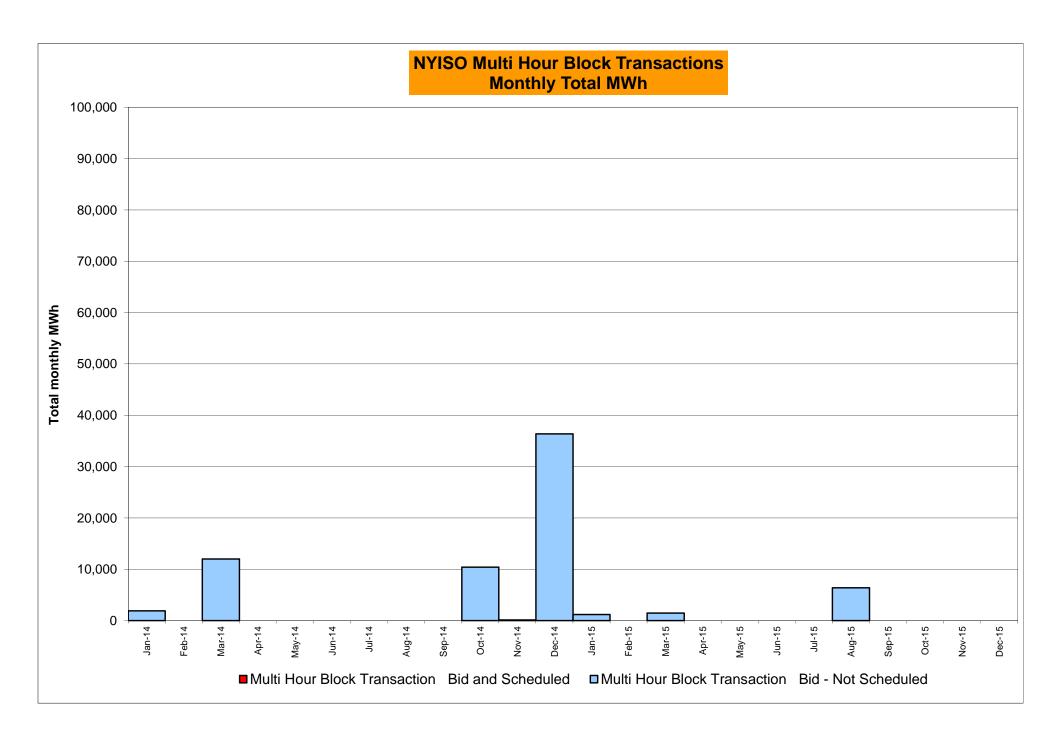
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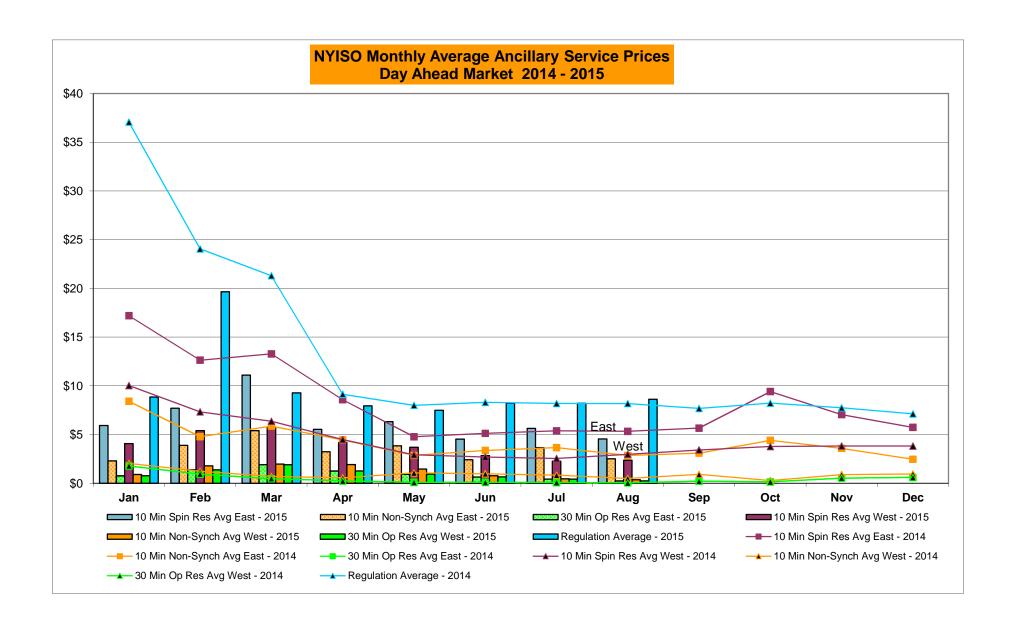


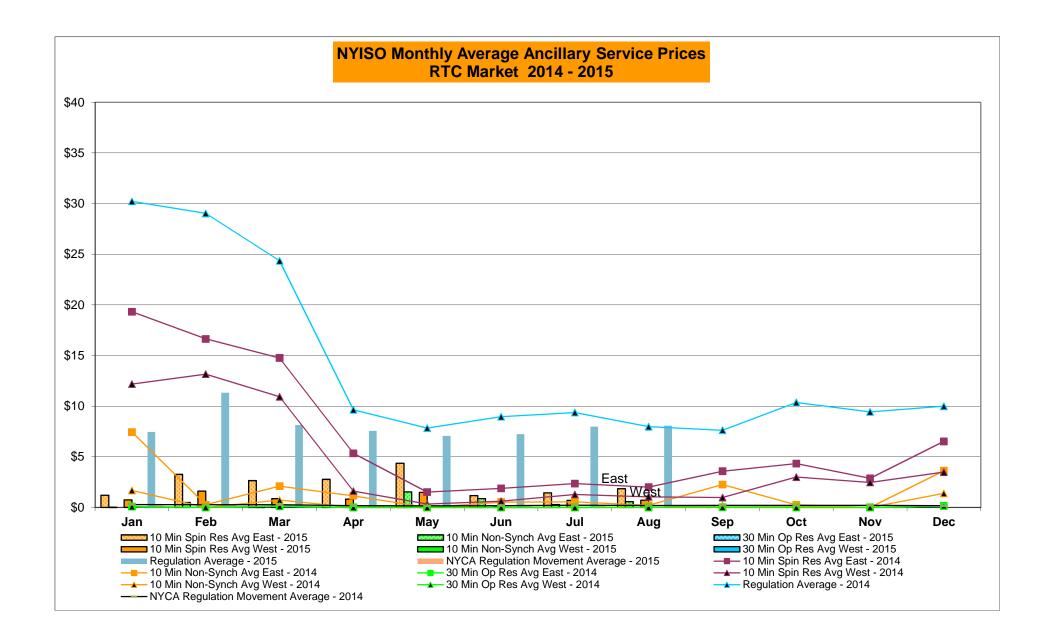


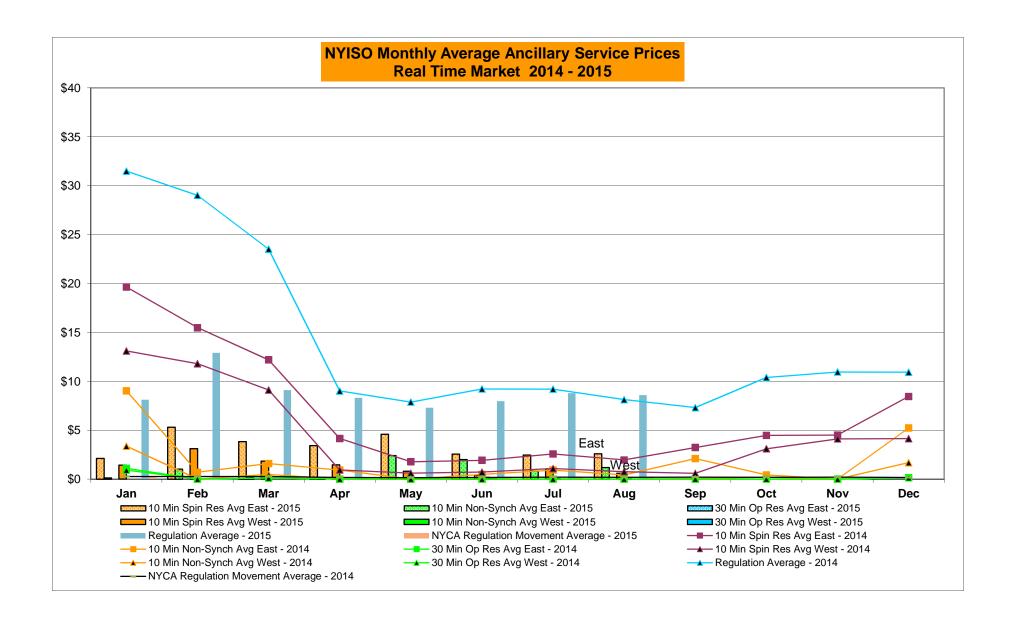
					<u>Virtual L</u>	oad and	Supp	ly Zonal	Statistic	s (Avera	ge MWh/da	y) - 2015					
		Virtual L	oad Bid	Virtual S	upply Bid			Virtual L	oad Bid	Virtual Su	pply Bid			Virtual L	_oad Bid	Virtual Su	ıpply Bid Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	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		831	166
***	Feb-15	3,180	1,570	3,288	936		Feb-15	901	790	1,446	812	20.11102	Feb-15	647		725	156
	Mar-15		1,992	,	1,223		Mar-15	626	458	2,120	718		Mar-15		566	1,224	536
	Apr-15	6,734	1,797	1,790	419		Apr-15	293	226	3,094	867		Apr-15	433	299	1,517	366
	May-15	9,778	3,320	1,381	465		May-15	248	102		482		May-15	1,385		904	400
	Jun-15	8,135	3,156		584		Jun-15	151	24	2,252	734		Jun-15	1,107		1,435	462
	Jul-15	9,099	5,102		434		Jul-15	632	70	2,726	521		Jul-15	1,674		1,220	427
	Aug-15	9,631	5,063	1,898	560		Aug-15	251	50	2,250	427		Aug-15	755	170	1,531	297
	Sep-15						Sep-15						Sep-15				
	Oct-15 Nov-15						Oct-15 Nov-15						Oct-15 Nov-15				
	Dec-15						Dec-15						Dec-15				
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	229	347	7,477	1,425	911111	Feb-15	3,192	3,267	6,354	2,035		Feb-15	2,944		658	690
	Mar-15	452	350		2,735		Mar-15	2,234	2,029	6,772	2,411		Mar-15	2,687	,	894	1,593
	Apr-15	161	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		2,115		Jun-15	563	230	8,840	2,709		Jun-15	3,683		864	494
	Jul-15	820	256		1,871		Jul-15	1,268	320	8,358	2,958		Jul-15	7,008		1,081	174
	Aug-15	264	123	4,307	1,740		Aug-15	1,002	271	6,591	2,846		Aug-15	6,991	2,435	981	252
	Sep-15						Sep-15						Sep-15				
	Oct-15						Oct-15						Oct-15				
	Nov-15						Nov-15						Nov-15				
	Dec-15						Dec-15						Dec-15				
NORTH	Jan-15	537	300	7,590	2,868	HUD VL	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	1102 12	Feb-15	769	2,147	2,841	2,800		Feb-15	4,383		613	1,722
	Mar-15	422	572		2,540		Mar-15	747	1,578	5,045	3,272		Mar-15	4,639		464	1,719
	Apr-15	223	366	8,249	3,243		Apr-15	1,180	1,056	6,875	1,292		Apr-15	4,399	3,064	760	678
	May-15	263	255	7,237	3,146		May-15	1,267	1,372	5,580	1,488		May-15	6,102	3,728	936	394
	Jun-15	169	196		2,977		Jun-15	825	914	5,600	1,251		Jun-15	6,015		768	792
	Jul-15	233	291	6,047	2,798		Jul-15	1,700	1,241	4,983	1,200		Jul-15	5,715		1,191	766
	Aug-15	299	288	5,619	2,871		Aug-15	1,195	1,663	5,086	863		Aug-15		3,681	1,086	1,236
	Sep-15					_	Sep-15						Sep-15				
	Oct-15 Nov-15						Oct-15 Nov-15					-	Oct-15 Nov-15				
	Dec-15						Dec-15						Dec-15				
	Dec-13						Dec-13						Dec-13				
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	2,306	1,265	28,050	579		Feb-15	562	674	627	186		Feb-15	19,386	17,506	59,440	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	927	311		588		Apr-15	174	239	979	298		Apr-15	18,550		56,234	12,458
	May-15	908	249		400		May-15	497	126		200		May-15			56,132	10,736
	Jun-15	1,104	194		791		Jun-15	588	24	790	277		Jun-15			57,608	13,186
	Jul-15	1,401	358		636		Jul-15	866	45	776	121		Jul-15			57,752	11,905
	Aug-15	975	105	22,347	222	_	Aug-15	542	48	1,024	187		Aug-15		13,898	52,720	11,501
	Sep-15						Sep-15						Sep-15				
	Oct-15 Nov-15						Oct-15 Nov-15						Oct-15 Nov-15				
	Dec-15						Dec-15					-	Dec-15				
	Dec-19						Dec-19						DEC-12		1		

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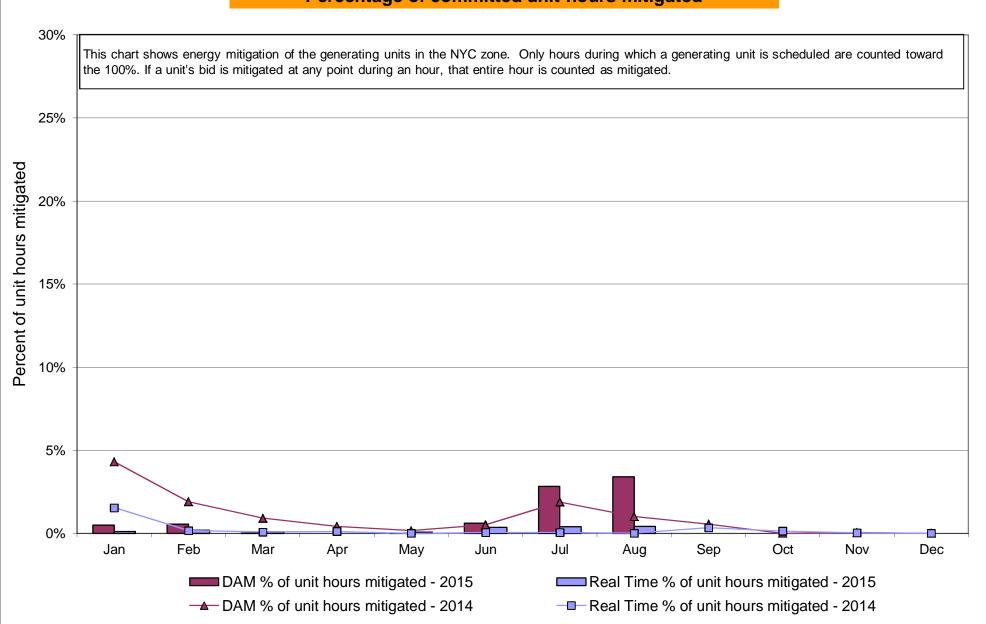


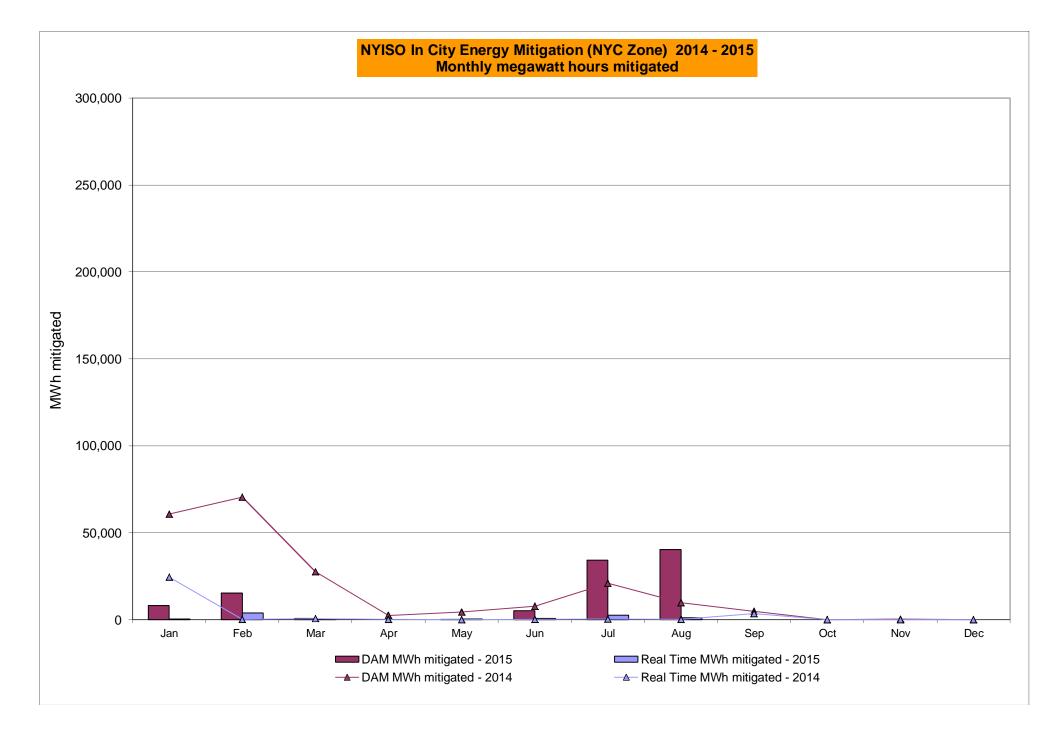


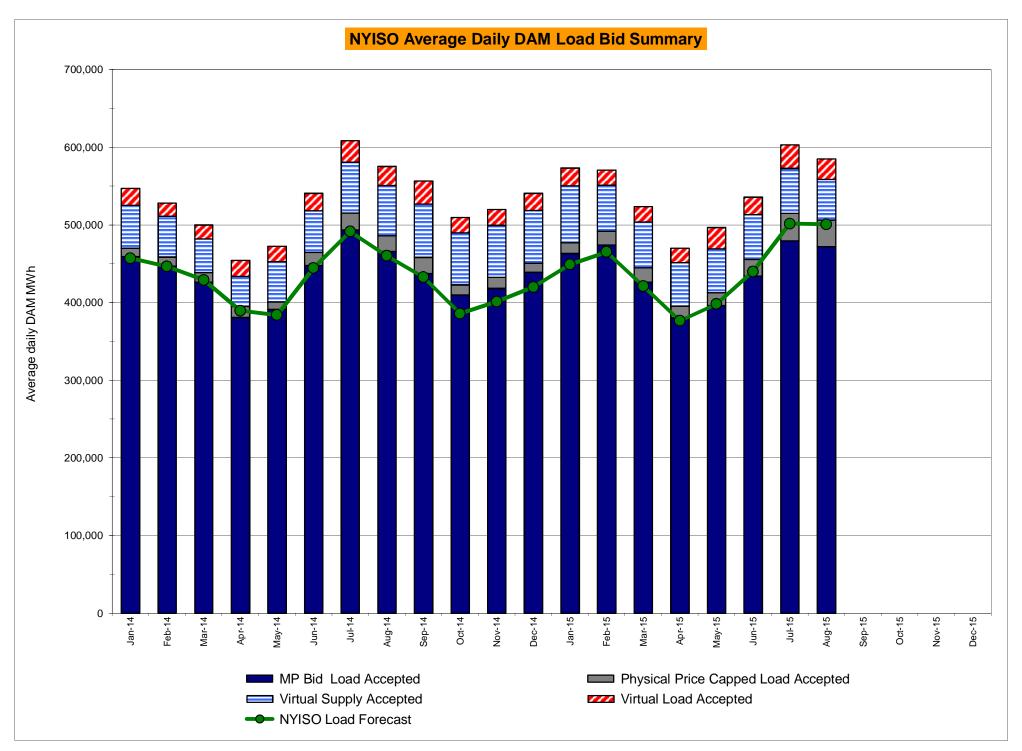
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

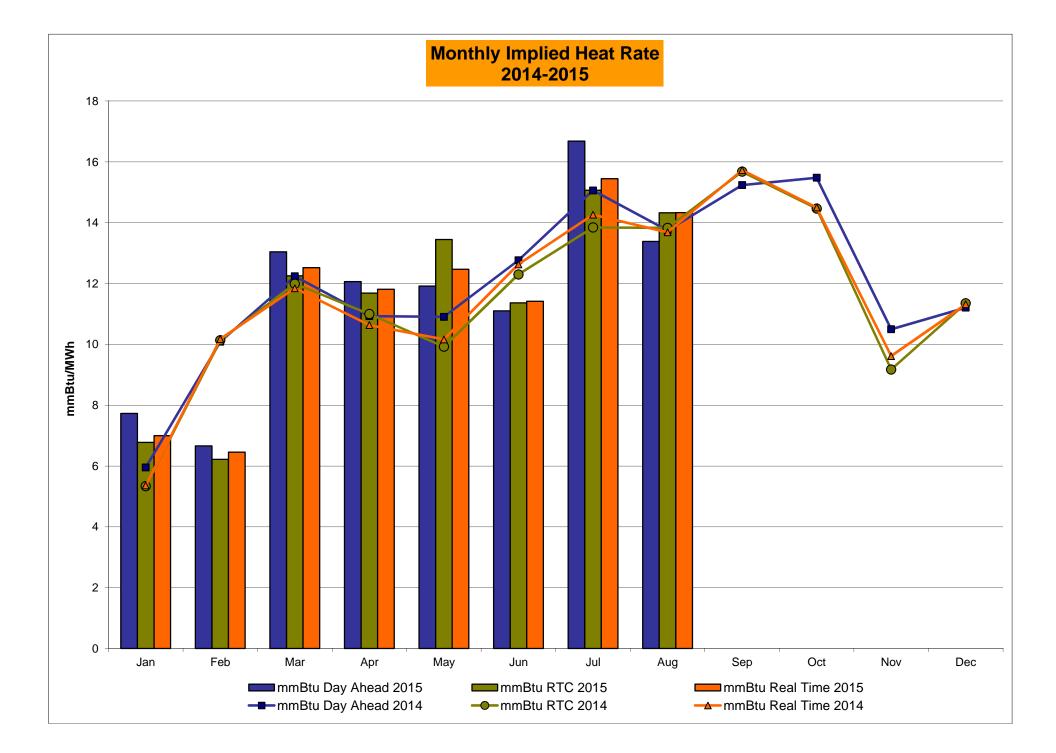
Part													
Min Spin East	<u>2015</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
10 Mm Span West	Day Ahead Market												
10 Min Spar West	10 Min Spin East	5.92	7.69	11.09	5.53	6.31	4.53	5.62	4.54				
10 Mm Non-Synch Reast	10 Min Spin West	4.07		5.68			2.84						
10 Min Non Synch West													
30 Mm Faset 0.77	•												
Solition													
Page													
Mary Name 10 Mm Spin West													
Min Spin East 1.20 3.27 2.54 2.77 4.36 1.18 1.14 1.86 1.70	regulation	0.04	19.05	9.21	7.34	7.40	0.20	0.20	0.01				
10 Min Spin West	RTC Market												
10 Min Non Synch East 0.01	10 Min Spin East	1.20	3.27	2.64	2.77	4.36	1.18	1.44	1.86				
10 Min Non Synch West	10 Min Spin West	0.74	1.61	0.86	0.81	1.48	0.04	0.69	0.70				
10 Min Non Synch West	10 Min Non Synch East	0.01	0.48	0.01	0.00	1.54	0.87	0.28	0.57				
30 Mm East	· · · · · · · · · · · · · · · · · · ·		0.00			0.00							
Some New New New New New New New New New Ne	•												
Regulation Movement 7.45													
NYCA Regulation Movement 0,21 0,21 0,16 0,22 0,16 0,24 0,25 0,23 0,23 0,25 0,24 0,25 0													
Real Time Market 1.0 km Spine East 2.12 5.31 3.94 3.44 4.59 2.26 2.47 2.59 1.04 0.05 1.04 0.05 1.04 0.05 1.04 0.05 1.04 0.05 1.04 0.05 1.04 0.05 1.04 0.05 1.04 0.05 1.04 0.05 1.04 0.05 0.0	<u> </u>												
10 Min Spin Flast	NTOA Regulation Movement	0.21	0.21	0.10	0.22	0.10	0.24	0.25	0.23				
10 Min Spin West	Real Time Market												
10 Min Nor Synch Reast 0.12 1.03 0.17 0.01 2.41 2.01 0.83 1.19 0.00 0.02 0.00 0.02 0.00 0.02 0.00 0.02 0.00 0.02 0.00 0.02 0.00 0.02 0.00 0.0	10 Min Spin East	2.12	5.31	3.84	3.44	4.59	2.56	2.47	2.59				
1 Min Non Synch West 0.00	10 Min Spin West	1.44	3.11	1.83	1.46	0.81	0.38	1.04	0.59				
1 Min Non Synch West 0.00	10 Min Non Synch East	0.12	1.03	0.17	0.01	2.41	2.01	0.83	1.19				
39 Min East	•												
Second Min West Second Movement Second Mov													
Regulation Reg													
NYČA Regulation Movement Q.20													
December	•												
Day Ahead Market 10 Min Spin East 17.19 12.62 13.27 8.57 4.77 5.11 5.37 5.33 5.66 9.41 7.04 5.73 10 Min Spin East 10.02 7.32 6.36 4.47 2.92 2.69 2.54 2.96 3.41 3.76 3.82 3.82 10 Min Non Synch East 8.40 4.78 5.86 4.44 2.86 3.37 3.65 2.85 3.08 4.40 3.58 2.45 10 Min Non Synch West 2.02 1.23 0.70 0.55 1.06 0.96 0.83 0.49 0.91 0.27 0.98 0.95 3.06 0.96 0.81 0.96 0.81 0.96 0.81 0.96 0.81 0.96 0.81 0.96 0.81 0.96 0.81 0.96 0.81 0.96 0.81 0.96 0.81 0.96 0.81 0.96 0.96 0.81 0.96 0.81 0.96 0.9	NTCA Regulation Movement	0.20	0.21	0.17	0.15	0.10	0.24	0.24	0.24				
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 10 Min Spin West 10,02 7,32 6,36 4,47 2,92 2,69 2,54 2,96 3,41 3,76 3,82 3,82 10 Min Non Synch East 8,40 4,78 5,86 4,44 2,86 3,37 3,65 2,85 3,08 4,40 3,58 2,45 10 Min Non Synch West 2,02 1,23 0,70 0,55 1,06 0,96 0,83 0,49 0,91 0,27 0,89 0,95 30 Min East 1,77 0,93 0,47 0,24 0,09 0,08 0,08 0,04 0,21 0,14 0,53 0,60 30 Min West 3,75 2,40 2,40 2,9 9,12 7,99 8,30 8,18 8,18 7,67 8,21 7,74 7,12 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2014	lanuary	February	March	Anril	May	.lune	July	August	September	October	November	December
10 Min Spin West 10.02 7.32 6.36 4.47 2.92 2.69 2.54 2.96 3.41 3.76 3.82 3.82 10 Min Non Synch East 8.40 4.78 5.86 4.44 2.86 3.37 3.65 2.85 3.08 4.40 3.58 2.45 10 Min Non Synch West 2.02 1.23 0.70 0.55 1.06 0.96 0.83 0.49 0.91 0.27 0.89 0.95 30 Min East 1.77 0.93 0.47 0.24 0.09 0.08 0.08 0.04 0.21 0.14 0.53 0.60 0.00 0.00 0.00 0.00 0.00 0.00 0.0		<u>variuar y</u>	<u>i Colualy</u>	Waren	<u>/ (D111</u>	iviay	<u>ouno</u>	<u> </u>	ragaot	Coptonico	001000.		
10 Min Non Synch East 8,40 4,78 5,86 4,44 2,86 3,37 3,65 2,85 3,08 4,40 3,58 2,45 10 Min Non Synch West 2,02 1,23 0,70 0,55 1,06 0,96 0,83 0,49 0,91 0,27 0,89 0,05 30 Min East 1,77 0,93 0,47 0,24 0,09 0,08 0,08 0,08 0,04 0,21 0,14 0,53 0,60 Regulation 37,05 24,05 21,29 9,12 7,99 8,30 8,18 8,18 7,67 8,21 7,74 7,12 7,12 **RTC Market*** 10 Min Spin East 19,32 16,64 14,76 5,34 1,52 1,87 2,35 2,00 3,57 4,32 2,86 6,51 10 Min Spin East 1,18 1,61 10,93 1,61 10,03 1,61 1,27 1,04 0,98 2,99 2,46 3,48 10 Min Non Synch East 7,43 0,26 2,10 1,14 0,00 0,52 0,55 0,20 2,25 0,25 0,25 0,00 3,62 10 Min Non Synch West 1,18 0,00 0,72 0,00 0,00 0,00 0,00 0,00 0,00		<u>bandary</u>	<u>i coluary</u>	Water	<u>749111</u>	<u>ividy</u>	<u> </u>	<u> </u>	ragaot	<u> </u>	00.000.		
10 Min Non Synch West	Day Ahead Market	•				-		-	_				
30 Min East 1,77 0.93 0.47 0.24 0.09 0.08 0.08 0.04 0.21 0.14 0.53 0.60 30 Min West 1.77 0.93 0.47 0.24 0.09 0.08 0.08 0.04 0.21 0.14 0.53 0.60 Regulation 37.05 24.05 21.29 9.12 7.99 8.30 8.18 8.18 7.67 8.21 7.74 7.12 RTC Market 10 Min Spin East 19.32 16.64 14.76 5.34 1.52 1.87 2.35 2.00 3.57 4.32 2.86 6.51 10 Min Spin West 12.18 13.16 10.93 1.61 0.33 0.61 1.27 1.04 0.98 2.99 2.46 3.48 10 Min Non Synch East 7.43 0.26 2.10 1.14 0.00 0.52 0.55 0.20 2.25 0.25 0.00 3.62 10 Min Non Synch West 1.68 0.00 0.72 0.00 0.00 0.00 0.00 0.00 0.00	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
30 Min East 1,77 0.93 0.47 0.24 0.09 0.08 0.08 0.04 0.21 0.14 0.53 0.60 30 Min West 1.77 0.93 0.47 0.24 0.09 0.08 0.08 0.04 0.21 0.14 0.53 0.60 Regulation 37.05 24.05 21.29 9.12 7.99 8.30 8.18 8.18 7.67 8.21 7.74 7.12 RTC Market 10 Min Spin East 19.32 16.64 14.76 5.34 1.52 1.87 2.35 2.00 3.57 4.32 2.86 6.51 10 Min Spin West 12.18 13.16 10.93 1.61 0.33 0.61 1.27 1.04 0.98 2.99 2.46 3.48 10 Min Non Synch East 7.43 0.26 2.10 1.14 0.00 0.52 0.55 0.20 2.25 0.25 0.00 3.62 10 Min Non Synch West 1.68 0.00 0.72 0.00 0.00 0.00 0.00 0.00 0.00	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
30 Min West 1,77 0,93 0,47 0,24 0,09 0,08 0,08 0,04 0,21 0,14 0,53 0,60 Regulation 37.05 24.05 21.29 9,12 7,99 8,30 8,18 8,18 7,67 8,21 7,74 7,72 7,72 7,72 7,72 7,72 7,72 7,72	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
Regulation 37.05 24.05 21.29 9.12 7.99 8.30 8.18 8.18 7.67 8.21 7.74 7.12 RTC Market 10 Min Spin East 19.32 16.64 14.76 5.34 1.52 1.87 2.35 2.00 3.57 4.32 2.86 6.51 10 Min Spin West 12.18 13.16 10.93 1.61 0.33 0.61 1.27 1.04 0.98 2.99 2.46 3.48 10 Min Non Synch East 7.43 0.26 2.10 1.14 0.00 0.52 0.55 0.20 2.25 0.25 0.00 3.62 10 Min Non Synch West 1.68 0.00 0.72 0.00	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
RTC Market 10 Min Spin East	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
10 Min Spin East 19.32 16.64 14.76 5.34 1.52 1.87 2.35 2.00 3.57 4.32 2.86 6.51 10 Min Spin West 12.18 13.16 10.93 1.61 0.33 0.61 1.27 1.04 0.98 2.99 2.46 3.48 10 Min Non Synch East 7.43 0.26 2.10 1.14 0.00 0.52 0.55 0.20 2.25 0.25 0.25 0.00 3.62 10 Min Non Synch West 1.68 0.00 0.72 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West	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	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	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
10 Min Spin West 12.18 13.16 10.93 1.61 0.33 0.61 1.27 1.04 0.98 2.99 2.46 3.48 10 Min Non Synch East 7.43 0.26 2.10 1.14 0.00 0.52 0.55 0.20 2.25 0.25 0.00 3.62 10 Min Non Synch West 1.68 0.00 0.72 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation	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	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	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
10 Min Non Synch East 7.43 0.26 2.10 1.14 0.00 0.52 0.55 0.20 2.25 0.25 0.00 3.62 10 Min Non Synch West 1.68 0.00 0.72 0.00 0.00 0.00 0.00 0.17 0.13 0.00 1.39 30 Min East 0.08 0.00 0.12 0.00 <td>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</td> <td>17.19 10.02 8.40 2.02 1.77 1.77 37.05</td> <td>12.62 7.32 4.78 1.23 0.93 0.93 24.05</td> <td>13.27 6.36 5.86 0.70 0.47 0.47 21.29</td> <td>8.57 4.47 4.44 0.55 0.24 0.24 9.12</td> <td>4.77 2.92 2.86 1.06 0.09 0.09 7.99</td> <td>5.11 2.69 3.37 0.96 0.08 0.08 8.30</td> <td>5.37 2.54 3.65 0.83 0.08 0.08 8.18</td> <td>5.33 2.96 2.85 0.49 0.04 0.04 8.18</td> <td>5.66 3.41 3.08 0.91 0.21 0.21 7.67</td> <td>9.41 3.76 4.40 0.27 0.14 0.14 8.21</td> <td>7.04 3.82 3.58 0.89 0.53 0.53 7.74</td> <td>5.73 3.82 2.45 0.95 0.60 0.60 7.12</td>	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
10 Min Non Synch West 1.68 0.00 0.72 0.00 0.00 0.00 0.00 0.17 0.13 0.00 1.39 30 Min East 0.08 0.00 0.12 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation 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	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
30 Min East 0.08 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation 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	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
30 Min West 0.08 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West	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 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	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 4.32 2.99	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
Regulation NYCA Regulation Movement 30.21 29.03 24.35 9.64 7.83 8.95 9.36 7.97 7.62 10.36 9.42 9.99 NYCA Regulation Movement 0.28 0.27 0.26 0.17 0.15 0.17 0.21 0.18 0.21 0.20 0.20 0.17 Real Time Market 10 Min Spin East 19.64 15.48 12.19 4.15 1.78 1.92 2.57 1.96 3.23 4.47 4.51 8.45 10 Min Spin West 13.10 11.80 9.11 0.94 0.61 0.72 1.08 0.76 0.60 3.10 4.12 4.14 10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Spin West	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 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 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25	9.41 3.76 4.40 0.27 0.14 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
Regulation NYCA Regulation Movement 30.21 29.03 24.35 9.64 7.83 8.95 9.36 7.97 7.62 10.36 9.42 9.99 NYCA Regulation Movement 0.28 0.27 0.26 0.17 0.15 0.17 0.21 0.18 0.21 0.20 0.20 0.17 Real Time Market 10 Min Spin East 19.64 15.48 12.19 4.15 1.78 1.92 2.57 1.96 3.23 4.47 4.51 8.45 10 Min Spin West 13.10 11.80 9.11 0.94 0.61 0.72 1.08 0.76 0.60 3.10 4.12 4.14 10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 <td>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 East 10 Min Non Synch West</td> <td>17.19 10.02 8.40 2.02 1.77 1.77 37.05</td> <td>12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00</td> <td>13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72</td> <td>8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00</td> <td>4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00</td> <td>5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00</td> <td>5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00</td> <td>5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00</td> <td>5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17</td> <td>9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13</td> <td>7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00</td> <td>5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39</td>	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 East 10 Min Non Synch West	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 16.64 13.16 0.26 0.00	13.27 6.36 5.86 0.70 0.47 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 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
NYCA Regulation Movement 0.28 0.27 0.26 0.17 0.15 0.17 0.21 0.18 0.21 0.20 0.20 0.17 Real Time Market 10 Min Spin East 19.64 15.48 12.19 4.15 1.78 1.92 2.57 1.96 3.23 4.47 4.51 8.45 10 Min Spin West 13.10 11.80 9.11 0.94 0.61 0.72 1.08 0.76 0.60 3.10 4.12 4.14 10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.05 0.20 0.00 1.69 30 Min East 1.10 0.00 0.11 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 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 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	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 0.00	5.37 2.54 3.65 0.83 0.08 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	5.66 3.41 3.08 0.91 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	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15
Real Time Market 10 Min Spin East 19.64 15.48 12.19 4.15 1.78 1.92 2.57 1.96 3.23 4.47 4.51 8.45 10 Min Spin West 13.10 11.80 9.11 0.94 0.61 0.72 1.08 0.76 0.60 3.10 4.12 4.14 10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East	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	13.27 6.36 5.86 0.70 0.47 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	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 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	5.37 2.54 3.65 0.83 0.08 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 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	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15
10 Min Spin East 19.64 15.48 12.19 4.15 1.78 1.92 2.57 1.96 3.23 4.47 4.51 8.45 10 Min Spin West 13.10 11.80 9.11 0.94 0.61 0.72 1.08 0.76 0.60 3.10 4.12 4.14 10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 10 Min 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	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 29.03	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35	8.57 4.47 4.44 0.55 0.24 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 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 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 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
10 Min Spin West 13.10 11.80 9.11 0.94 0.61 0.72 1.08 0.76 0.60 3.10 4.12 4.14 10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.05 0.20 0.00 1.69 30 Min East 1.10 0.00 0.11 0.00 0.0	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 East 10 Min Non Synch East 30 Min East 30 Min West Regulation NYCA 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	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 29.03	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35	8.57 4.47 4.44 0.55 0.24 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 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 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 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
10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.05 0.20 0.00 1.69 30 Min East 1.10 0.00 0.11 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.16 30 Min West 0.92 0.00 0.11 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min West 30 Min East 30 Min East 30 Min West 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 29.03 0.27	13.27 6.36 5.86 0.70 0.47 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 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 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 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 0.04 8.18 2.00 1.04 0.20 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	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	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	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
10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.05 0.20 0.00 1.69 30 Min East 1.10 0.00 0.11 0.00 0.16 Regulation 31.50 29.02 23.52 9.02 7.87 9.21 9.21 8.13 7.31 10.39 10.96 10.94	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 East 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	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 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 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 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 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 8.95 0.17	5.37 2.54 3.65 0.83 0.08 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 0.04 8.18 2.00 1.04 0.20 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	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	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	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
30 Min East 1.10 0.00 0.11 0.00 0.00 0.00 0.00 0.0	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 East 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	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 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 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 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 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 8.95 0.17	5.37 2.54 3.65 0.83 0.08 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 0.04 8.18 2.00 1.04 0.20 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	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	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	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
30 Min East 1.10 0.00 0.11 0.00 0.00 0.00 0.00 0.0	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 East 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 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	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 29.03 0.27	13.27 6.36 5.86 0.70 0.47 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 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 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 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 0.04 8.18 2.00 1.04 0.20 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	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	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
Regulation 31.50 29.02 23.52 9.02 7.87 9.21 9.21 8.13 7.31 10.39 10.96 10.94	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 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 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 0.08 10.21 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 29.03 0.27	13.27 6.36 5.86 0.70 0.47 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 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 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 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	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 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 0.60 2.09	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 0.42	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 9.42 0.20 4.51 4.12 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
Regulation 31.50 29.02 23.52 9.02 7.87 9.21 9.21 8.13 7.31 10.39 10.96 10.94	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 Non Synch 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 East 10 Min Spin East 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 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	13.27 6.36 5.86 0.70 0.47 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 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 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 0.17 1.92 0.72 0.48 0.00	5.37 2.54 3.65 0.83 0.08 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	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 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 0.60 2.09 0.05	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 0.42 0.20	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 9.42 0.20 4.51 4.12 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
y	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 Spin West 10 Min Non Synch 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 10 Min Non Synch East 10 Min Non Synch East 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 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	13.27 6.36 5.86 0.70 0.47 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 0.94 0.93 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 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 8.95 0.17	5.37 2.54 3.65 0.83 0.08 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	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 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 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	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 0.42 0.20 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 9.42 0.20 4.51 4.12 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
	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 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 10 Min Non Synch East 10 Min Non Synch East 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 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	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	13.27 6.36 5.86 0.70 0.47 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 0.93 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 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 8.95 0.17 1.92 0.72 0.48 0.00 0.00 0.00	5.37 2.54 3.65 0.83 0.08 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	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 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 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	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 0.42 0.20 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 9.42 0.20 4.51 4.12 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	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 West Regulation RTC Market 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 30 Min East 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin West 30 Min East 30 Min Synch East 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 0.28 19.64 13.10 9.03 3.37 1.10 0.92 31.50	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	13.27 6.36 5.86 0.70 0.47 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 23.52	8.57 4.47 4.44 0.55 0.24 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	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 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 0.00	5.37 2.54 3.65 0.83 0.08 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 9.21	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18 1.96 0.76 0.44 0.00 0.00 0.00 0.00 0.00 0.04	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 7.31	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 0.42 0.20 0.00 0.00 10.39	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 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 0.00 0	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 10.94

NYISO In City Energy Mitigation - AMP (NYC Zone) 2014 - 2015 Percentage of committed unit-hours mitigated

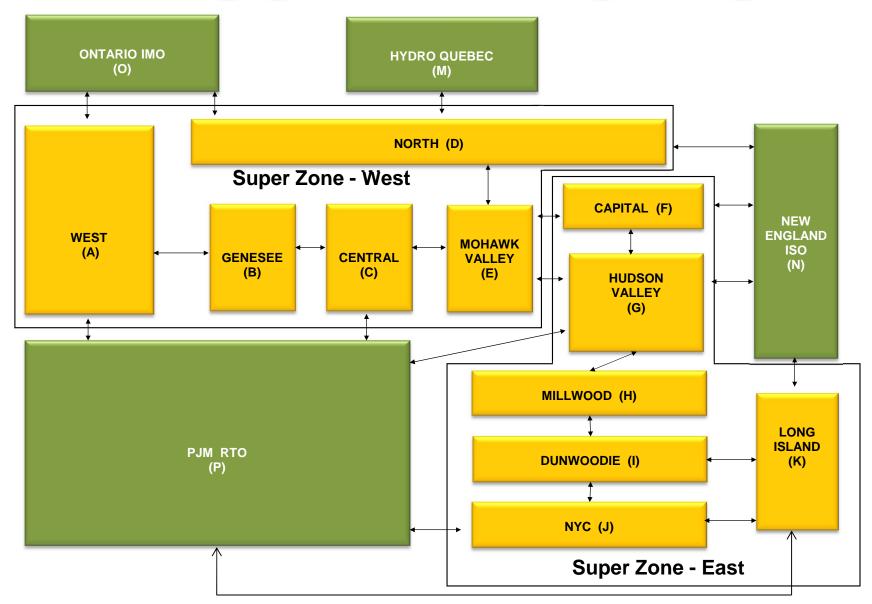








NYISO LBMP ZONES



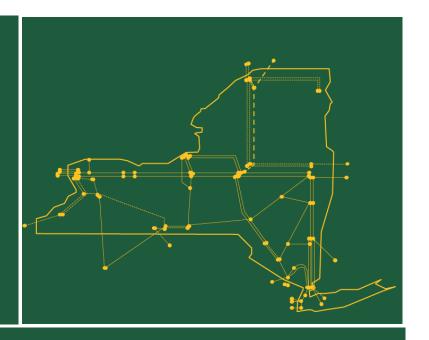
Billing Codes for Chart 4-C

Chart - C Category Name	Billing Code	Billing Category Name
Bid Production Cost Guarantee Balancing	81203	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81204	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee Balancing	81205	Balancing NYISO Bid Production Cost Guarantee Expenditure due to Curtailed Imports
Bid Production Cost Guarantee Balancing	81208	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81209	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee Balancing	81213	Balancing NYISO Bid Production Cost Guarantee Expenditure due to Curtailed Imports
Bid Production Cost Guarantee DAM	81201	DAM NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee DAM	84001	EDRP/SCR Demand Response - Local
Bid Production Cost Guarantee DAM	84101	EDRP/SCR Demand Response - NYISO Wide
Bid Production Cost Guarantee DAM	81401	DAM Price Responsive Load Program
Bid Production Cost Guarantee DAM	81202	DAM NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee DAM	81206	DAM NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee DAM	81207	DAM NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee DAM Virtual	81501	DAM Virtual Bid Production Cost Guarantee
DAM Contract Balancing	81315	DAM Contract Balancing
DAM Contract Balancing	81317	DAM Contract Balancing
Local Reliability Balancing	81002	Balancing Local Reliability Bid Production Cost Guarantee
Local Reliability Balancing	83901	Margin Restoration (MOB) Revenue
Local Reliability DAM	81001	DAM Local Reliability Bid Production Cost Guarantee
NYISO Cost of Operations	80901	NYISO Cost Of Operations
NYISO Cost of Operations	80902	NYISO Cost Of Operations
NYISO Cost of Operations	83501	NYISO Cost Of Operations
NYISO Cost of Operations	83502	NYISO Cost Of Operations
Residuals Balancing	81302	Balancing Market Energy Residual
Residuals Balancing	81304	Balancing Market Loss Residual
Residuals Balancing	81305	Balancing Market Congestion Balancing
Residuals Balancing	81306	Emergency Energy Purchases
Residuals Balancing	81307	Emergency Energy Sales
Residuals Balancing	81309	Balancing Market Energy Residual
Residuals Balancing	81311	Balancing Market Loss Residual
Residuals Balancing	81312	Balancing Market Congestion Balancing
Residuals Balancing	81313	Emergency Energy Purchases
Residuals Balancing	81314	Emergency Energy Sales
Residuals DAM	81301	Day Ahead Market Energy Residual
Residuals DAM	81303	Day Ahead Market Loss Residual
Residuals DAM	81308	Day Ahead Market Energy Residual
Residuals DAM	81310	Day Ahead Market Loss Residual

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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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