

Market Operations Report

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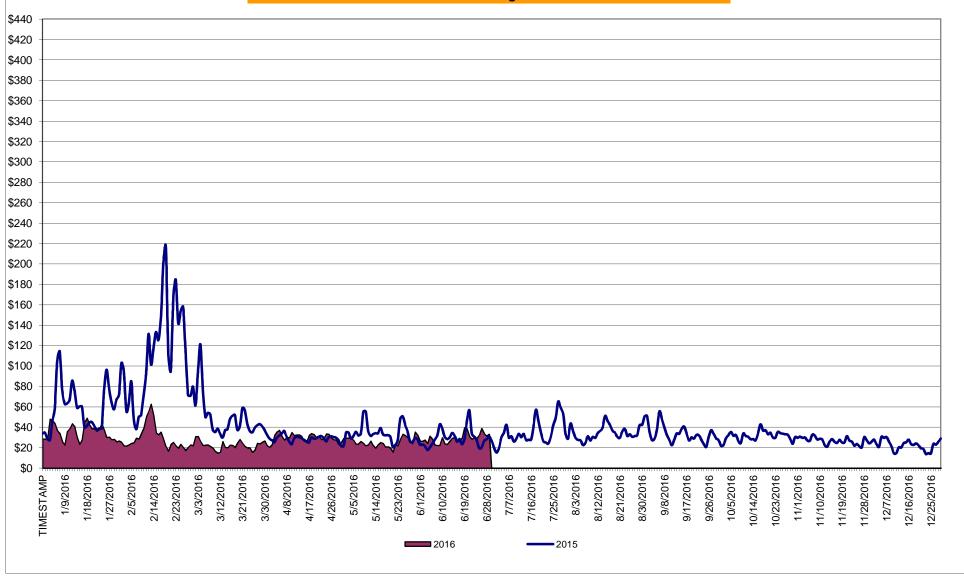
Business Issues Committee Meeting *July 13, 2016*

Market Performance Highlights for June 2016

- LBMP for June is \$27.35/MWh; higher than \$23.31/MWh in May 2016 and lower than \$28.20/MWh in June 2015.
 - Day Ahead and Real Time Load Weighted LBMPs are higher compared to May.
- June 2016 average year-to-date monthly cost of \$29.93/MWh is a 47% decrease from \$56.02/MWh in June 2015.
- Average daily sendout is 456 GWh/day in June; higher than 397 GWh/day in May 2016 and higher than 450 GWh/day in June 2015.
- Natural gas prices and distillate prices were higher compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$1.78/MMBtu, up from \$1.58/MMBtu in May.
 - Natural gas prices are down 24% year-over-year
 - Jet Kerosene Gulf Coast was \$10.21/MMBtu, up from \$9.66/MMBtu in May.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$10.64/MMBtu, up from \$10.17/MMBtu in May.
 - Distillate prices are down 21% year-over-year
- Uplift per MWh is higher compared to the previous month.
 - Uplift (not including NYISO cost of operations) is \$0.20/MWh; higher than \$0.19/MWh in May.
 - Local Reliability Share is \$0.21/MWh, lower than \$0.35/MWh in May.
 - Statewide Share is (\$0.01)/MWh, higher than (\$0.16)/MWh in May.
 - TSA \$ per NYC MWh is \$0.02/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than May.

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

2015 Annual Average \$44.10MWh June 2015 YTD Average \$56.02/MWh June 2016 YTD Average \$29.93/MWh

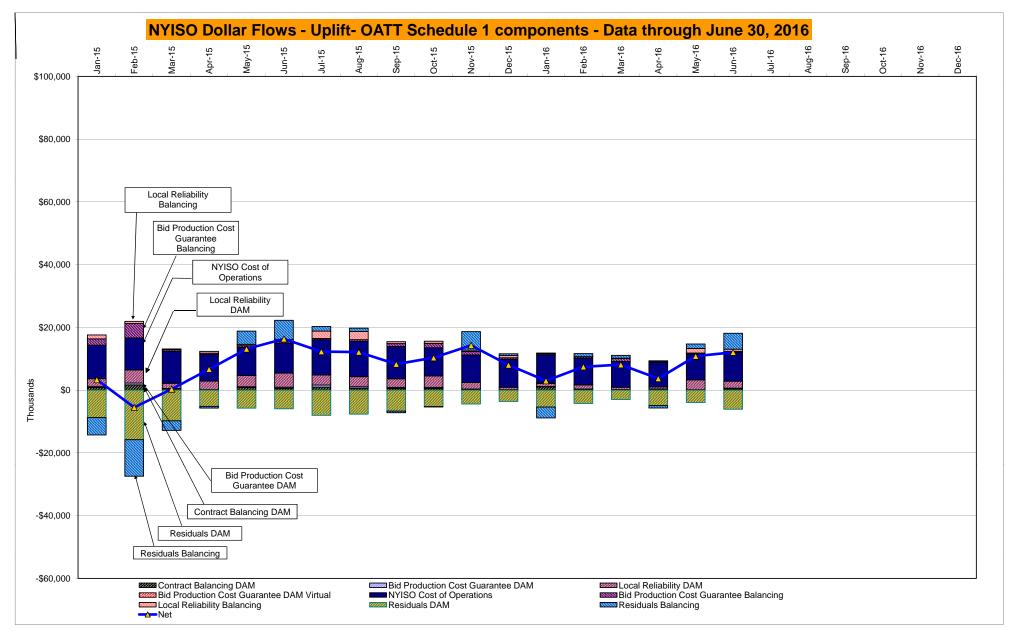


^{*} Excludes ICAP payments.

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

2016	January	February	March	<u>April</u>	May	<u>June</u>	July	August	September	October	November	December
LBMP	34.29	28.71	20.66	27.96	23.31	27.35	<u>oury</u>	ragaor	Coptombol	0010001	11010111001	<u> Booombor</u>
NTAC	0.59	0.78	0.62	1.14	1.10	0.93						
Reserve	0.77	0.73	0.73	0.87	0.71	0.59						
Regulation	0.12	0.12	0.12	0.12	0.11	0.12						
NYISO Cost of Operations	0.64	0.12	0.65	0.12	0.65	0.66						
FERC Fee Recovery	0.09	0.00	0.03	0.10	0.09	0.00						
Uplift	(0.43)	(0.07)	(0.03)	(0.34)	0.19	0.20						
Uplift: Local Reliability Share	0.09	0.11	0.06	0.07	0.35	0.21						
Uplift: Statewide Share	(0.52)	(0.18)	(0.09)	(0.41)	(0.16)	(0.01)						
Voltage Support and Black Start	0.35	0.16)	0.36	0.35	0.36	0.36						
Avg Monthly Cost	36.42	31.37	23.23	30.84	26.52	30.29						
Avg Monthly Cost	30.42	31.37	23.23	30.04	20.32	30.29						
Avg YTD Cost	36.42	34.02	30.68	30.71	29.85	29.93						
TSA \$ per NYC MWh	0.00	0.00	0.05	0.00	0.00	0.02						
2015	<u>January</u>	February	March	April	May	<u>June</u>	July	August	September	October	November	December
LBMP												
NTAC	59.61	114.37	52.09	28.36 0.64	32.98	28.20	34.77	33.09	34.40 0.63	30.05	24.83	20.91
Reserve	0.32 0.27	0.35 0.37	0.41 0.56	0.64	0.56 0.38	0.80	0.54	0.60 0.20		0.53	0.68 0.47	1.05 0.60
Reserve	0.27	0.37	0.56		0.36	0.24 0.13	0.27 0.12	0.20	0.28 0.10	0.28 0.12	0.47	0.00
	0.10	0.16	0.70	0.12 0.70	0.10	0.13	0.12	0.12	0.70	0.12	0.13	0.13
NYISO Cost of Operations	(0.48)				0.70	0.70	0.70	0.70		0.09	0.70	
Uplift Uplift: Local Reliability Share	0.46)	(1.08) 0.33	(0.68) 0.13	(0.15) 0.27	0.20	0.33	0.04	0.03	(0.15) 0.22	0.10	0.44	(0.07) 0.12
Uplift: Statewide Share	(0.73)		(0.81)	(0.42)	(0.05)	(0.04)	(0.30)	(0.33)	(0.37)	(0.23)	0.25	(0.12)
Voltage Support and Black Start	0.73)	(1.41) 0.39	0.39	0.39	0.03)	0.39	0.39	0.39	0.37)	0.39	0.23	0.18)
Avg Monthly Cost	60.91	115.27	53.58	30.41	35.37	30.79	36.84	35.14	36.35	32.18	27.64	23.71
Avg YTD Cost	60.91	87.74	76.64	66.82	60.96	56.02	52.77	50.20	48.59	47.17	45.66	44.10
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.17	0.50	0.07	0.06	0.01	0.00	0.00	0.00
2014	January	February	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	0.56	0.64	0.59	0.46	0.09	0.76	0.43	0.41	0.30	0.37	0.00	0.88
Regulation	0.78	0.49	0.30	0.40	0.28	0.27	0.20	0.20	0.29	0.48	0.37	0.23
NYISO Cost of Operations	0.27	0.21	0.22	0.13	0.12	0.12	0.12	0.13	0.69	0.12	0.11	0.69
Uplift	0.09	0.69	0.89	(0.09)	0.09		(0.26)		(0.20)			
•	1.43			` ,		(0.21)	` ,	(0.19)	` ,	(0.24)	(0.40)	(0.20)
Uplift: Local Reliability Share Uplift: Statewide Share		0.75	0.62	0.15	0.51	0.32	0.29	0.27	0.26	0.26	0.24	0.13
	(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 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 * Excludes ICAP payments.	0.00	0.00	0.00	0.00	0.00	0.03	0.35	0.00	0.42	0.00 Data reflects	0.00 s true-ups thru Dec	0.00 ember 2015.
Market Mitigation and Analysis								Ac of Ian 20	16 the ennual EED			

* Excludes ICAP payments. Market Mitigation and Analysis Prepared: 7/7/2016 2:37 PM



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

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

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

NYISO Markets Transactions

2016	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	October	November	<u>December</u>
Day Ahead Market MWh	14,760,915	13,614,754	13,413,781	12,496,141	12,959,886	14,095,904						
DAM LSE Internal LBMP Energy Sales	54%	55%	55%	57%	58%	60%						
DAM External TC LBMP Energy Sales	4%	2%	1%	5%	2%	1%						
DAM Bilateral - Internal Bilaterals	34%	34%	35%	28%	31%	30%						
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	5%	6%	5%	5%						
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	1%	2%	2%	2%	2%						
DAM Bilateral - Wheel Through Bilaterals	2%	2%	2%	2%	2%	2%						
Balancing Energy Market MWh	-522,919	-580,900	-741,701	-303,313	-180,848	-143,015						
Balancing Energy LSE Internal LBMP Energy Sales	-125%	-114%	-118%	-76%	-147%	-203%						
Balancing Energy External TC LBMP Energy Sales	12%	13%	19%	-13%	55%	77%						
Balancing Energy Bilateral - Internal Bilaterals	19%	9%	4%	8%	27%	47%						
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%						
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	6%	5%	3%	5%	7%	10%						
Balancing Energy Bilateral - Wheel Through Bilaterals	-12%	-12%	-8%	-24%	-42%	-32%						
Transactions Summary												
LBMP	56%	56%	54%	62%	59%	61%						
Internal Bilaterals	36%	36%	37%	29%	32%	31%						
Import Bilaterals	5%	5%	6%	6%	5%	5%						
Export Bilaterals	2%	2%	2%	2%	2%	2%						
Wheels Through	1%	1%	1%	1%	2%	2%						
Market Share of Total Load												
Day Ahead Market	103.7%	104.5%	105.9%	102.5%	101.4%	101.0%						
Balancing Energy +	-3.7%	-4.5%	-5.9%	-2.5%	-1.4%	-1.0%						
Total MWH	14,237,996	13,033,853	12,672,080	12,192,828	12,779,038	13,952,889						
Average Daily Energy Sendout/Month GWh	439	436	397	385	397	456						
2015	January	February	March	April	Mav	June	July	August	September	October	November	December
2015	<u>January</u>	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u> 16 573 027	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	14,740,907	13,546,033	13,338,332	13,620,002
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales	15,961,306 55%	14,967,371 54%	15,059,207 53%	12,589,321 55%	13,291,917 57%	14,277,299 57%	16,573,027 62%	16,333,932 61%	14,740,907 58%	13,546,033 53%	13,338,332 53%	13,620,002 55%
——————————————————————————————————————	15,961,306 55% 5%	14,967,371 54% 6%	15,059,207 53% 6%	12,589,321 55% 4%	13,291,917 57% 2%	14,277,299 57% 1%	16,573,027 62% 1%	16,333,932 61% 1%	14,740,907 58% 3%	13,546,033 53% 6%	13,338,332 53% 5%	13,620,002 55% 1%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals	15,961,306 55% 5% 35%	14,967,371 54% 6% 33%	15,059,207 53% 6% 33%	12,589,321 55% 4% 33%	13,291,917 57% 2% 35%	14,277,299 57% 1% 33%	16,573,027 62% 1% 30%	16,333,932 61% 1% 31%	14,740,907 58% 3% 31%	13,546,033 53% 6% 34%	13,338,332 53% 5% 33%	13,620,002 55% 1% 35%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals	15,961,306 55% 5% 35% 3%	14,967,371 54% 6% 33% 5%	15,059,207 53% 6% 33% 5%	12,589,321 55% 4% 33% 6%	13,291,917 57% 2% 35% 4%	14,277,299 57% 1% 33% 5%	16,573,027 62% 1% 30% 4%	16,333,932 61% 1% 31% 4%	14,740,907 58% 3% 31% 5%	13,546,033 53% 6% 34% 5%	13,338,332 53% 5% 33% 5%	13,620,002 55% 1% 35% 5%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals	15,961,306 55% 5% 35% 3% 2%	14,967,371 54% 6% 33% 5% 2%	15,059,207 53% 6% 33% 5% 1%	12,589,321 55% 4% 33% 6% 2%	13,291,917 57% 2% 35% 4% 1%	14,277,299 57% 1% 33% 5% 1%	16,573,027 62% 1% 30% 4% 1%	16,333,932 61% 1% 31% 4% 1%	14,740,907 58% 3% 31% 5% 1%	13,546,033 53% 6% 34% 5% 2%	13,338,332 53% 5% 33% 5% 2%	13,620,002 55% 1% 35% 5% 2%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals	15,961,306 55% 5% 35% 33% 2% 0%	14,967,371 54% 6% 33% 5% 2% 1%	15,059,207 53% 6% 33% 5% 1% 1%	12,589,321 55% 4% 33% 6% 2% 1%	13,291,917 57% 2% 35% 4% 1% 0%	14,277,299 57% 1% 33% 5% 1% 2%	16,573,027 62% 1% 30% 4% 1% 2%	16,333,932 61% 1% 31% 4% 1% 2%	14,740,907 58% 3% 31% 5% 1% 2%	13,546,033 53% 6% 34% 5% 2% 1%	13,338,332 53% 5% 33% 5% 2% 2%	13,620,002 55% 1% 35% 5% 2% 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 BABAN Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market	15,961,306 55% 5% 35% 35% 3% 2% 0% -650,944 -149% 30% 6% 0% 58% 37% 3% 2% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8% 12% 59% 34% 5% 2% 1%	15,059,207 53% 6% 33% 5% 1% -396,739 -192% 64% 19% 0% 12% -4% 57% 35% 5% 2% 1%	12,589,321 55% 4% 33% 6% 2% 1409,205 -147% 36% 5% 0% 12% -5% 57% 35% 6% 2% 0% 103.4%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9% 58% 36% 4% 2% 0%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 16% 6% 1% 4% -22% 57% 35% 5% 1% 104.0%	16,573,027 62% 1% 30% 4% 1% -505,637 -120% 25% 13% 0% 3% -21% 61% 32% 5% 1%	16,333,932 61% 1% 31% 4% 2% -228,461 -139% 25% 0% 8% -44% 61% 32% 5% 1%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0% 46% -149% 61% 32% 5% 1% 1%	13,546,033 53% 6% 34% 5% 2% -604,600 -115% 12% 7% 0% 5% -9%	13,338,332 53% 5% 33% 5% 2% -718,787 -110% 12% 4% 0% 5% -11% 56% 35% 6% 2% 1%	13,620,002 55% 1% 35% 5% 2% 2% -642,268 -115% 17% 5% 0% 6% -13% 54% 37% 6% 2% 1%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market Balancing Energy +	15,961,306 55% 5% 35% 36% 2% 0% -650,944 -149% 30% 6% 0% 6% 0% 58% 37% 3% 2% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8% 12% 59% 34% 5% 2% 1%	15,059,207 53% 6% 33% 5% 1% -396,739 -192% 64% 19% 0% 12% -4% 57% 35% 5% 2% 1%	12,589,321 55% 4% 33% 6% 2% -409,205 -147% 36% 5% 0% 12% -5% 57% 35% 6% 2% 0% 103.4% -3.4%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9% 58% 36% 4% 0% 0%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 6% 1% 4% -22% 57% 35% 5% 1% 1% 104.0% -4.0%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120% 25% 33% -21% 61% 32% 5% 1% 1%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25% 0% 8% -44% 61% 32% 5% 1% 1%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0% 46% -149% 61% 32% 5% 1% 100.2% -0.2%	13,546,033 53% 6% 34% 5% 2% 1% -604,600 -115% 12% 0% 5% -9% 56% 36% 36% 0% 104.7% -4.7%	13,338,332 53% 5% 33% 5% 2% -718,787 -110% 12% 4% 0% 5% -11% 56% 35% 6% 2% 1% 105.7% -5.7%	13,620,002 55% 1% 35% 5% 2% -642,268 -115% 17% 5% 0% 6% -13% 54% 37% 6% 2% 1% 104.9% -4.9%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market	15,961,306 55% 5% 35% 35% 3% 2% 0% -650,944 -149% 30% 6% 0% 58% 37% 3% 2% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8% 12% 59% 34% 5% 2% 1%	15,059,207 53% 6% 33% 5% 1% -396,739 -192% 64% 19% 0% 12% -4% 57% 35% 5% 2% 1%	12,589,321 55% 4% 33% 6% 2% -409,205 -147% 36% 5% 0% 12% -5% 57% 35% 6% 2% 0% 103.4% -3.4%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9% 58% 36% 4% 2% 0%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 16% 6% 1% 4% -22% 57% 35% 5% 1% 104.0%	16,573,027 62% 1% 30% 4% 1% -505,637 -120% 25% 13% 0% 3% -21% 61% 32% 5% 1%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25% 0% 8% -44% 61% 32% 5% 1% 1%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0% 46% -149% 61% 32% 5% 1% 1%	13,546,033 53% 6% 34% 5% 2% -604,600 -115% 12% 7% 0% 5% -9%	13,338,332 53% 5% 33% 5% 2% -718,787 -110% 12% 4% 0% 5% -11% 56% 35% 6% 2% 1%	13,620,002 55% 1% 35% 5% 2% 2% -642,268 -115% 17% 5% 0% 6% -13% 54% 37% 6% 2% 1%

⁺ 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.

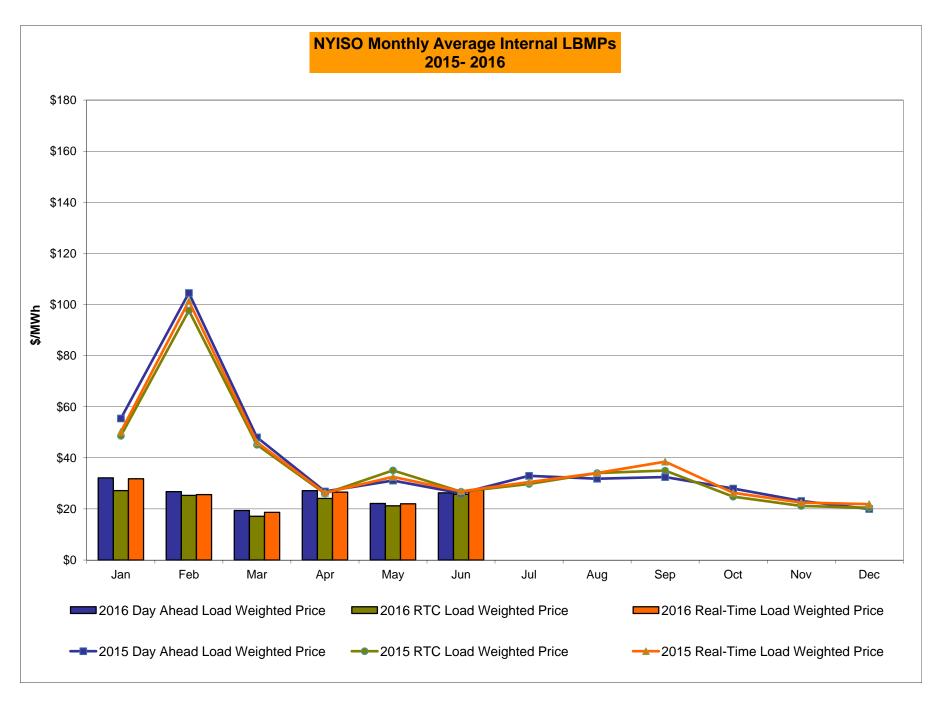
NYISO Markets 2016 Energy Statistics

	January	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	August September	October November December
DAY AHEAD LBMP									
Price *	\$31.01	\$25.76	\$18.63	\$26.39	\$21.07	\$24.83			
Standard Deviation	\$10.86	\$12.46	\$6.99	\$6.95	\$7.04	\$9.21			
Load Weighted Price **	\$32.13	\$26.75	\$19.37	\$27.14	\$22.12	\$26.30			
RTC LBMP									
Price *	\$26.12	\$24.10	\$16.41	\$23.41	\$19.96	\$24.29			
Standard Deviation	\$16.06	\$17.89	\$11.32	\$9.09	\$11.44	\$16.58			
Load Weighted Price **	\$27.16	\$25.29	\$17.11	\$24.10	\$21.23	\$25.73			
REAL TIME LBMP									
Price *	\$30.15	\$24.28	\$17.84	\$25.71	\$20.67	\$25.87			
Standard Deviation	\$60.09	\$18.19	\$15.06	\$16.59	\$12.84	\$19.27			
Load Weighted Price **	\$31.80	\$25.61	\$18.64	\$26.57	\$21.99	\$27.39			
Average Daily Energy Sendout/Month GWh	439	436	397	385	397	456			
				NVISO	Markata	2015 Eno	rav Static	tion	

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 S	September	October	November [December
DAY AHEAD LBMP	-								-			
Price *	\$53.35	\$101.48	\$46.59	\$26.07	\$29.21	\$24.30	\$30.27	\$30.01	\$30.18	\$27.11	\$22.18	\$18.94
Standard Deviation	\$24.61	\$48.85	\$21.51	\$6.73	\$13.44	\$11.96	\$17.67	\$12.05	\$13.37	\$7.64	\$7.94	\$8.41
Load Weighted Price **	\$55.40	\$104.52	\$48.01	\$26.84	\$31.08	\$26.12	\$32.94	\$31.81	\$32.46	\$27.95	\$23.12	\$19.97
RTC LBMP												
Price *	\$46.98	\$95.06	\$43.43	\$25.11	\$32.85	\$24.73	\$27.51	\$31.83	\$32.39	\$23.97	\$20.07	\$19.34
Standard Deviation	\$22.84	\$47.55	\$29.42	\$12.31	\$35.40	\$24.71	\$21.84	\$23.25	\$22.99	\$10.56	\$15.66	\$14.23
Load Weighted Price **	\$48.59	\$97.62	\$45.10	\$26.00	\$35.08	\$26.73	\$29.76	\$34.04	\$34.99	\$24.79	\$21.17	\$20.46
REAL TIME LBMP												
Price *	\$48.51	\$98.83	\$44.38	\$25.46	\$30.39	\$23.96	\$27.71	\$31.54	\$34.82	\$25.50	\$21.33	\$20.75
Standard Deviation	\$25.99	\$52.53	\$29.07	\$12.66	\$31.69	\$31.14	\$23.42	\$26.51	\$34.85	\$12.56	\$18.76	\$19.00
Load Weighted Price **	\$50.18	\$101.34	\$46.10	\$26.28	\$32.52	\$26.86	\$30.50	\$34.05	\$38.48	\$26.29	\$22.47	\$21.86
Average Daily Energy Sendout/Month GWh	462	481	436	387	409	450	512	511	473	389	396	408

^{*} Average zonal load weighted prices.
** Average zonal load weighted prices, load weighted in each hour.

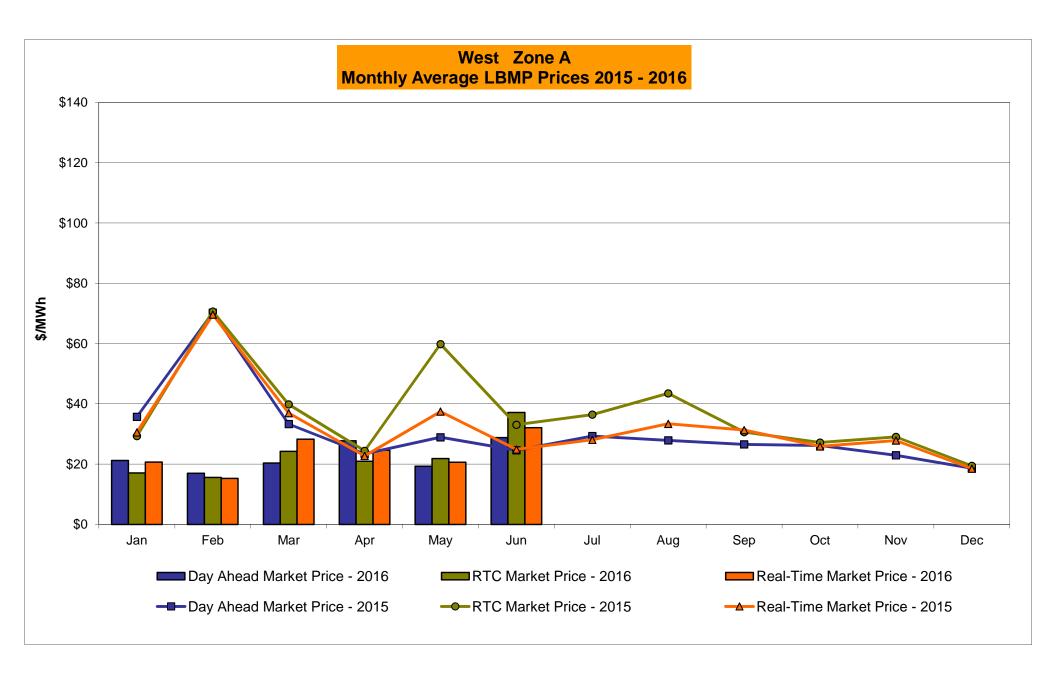


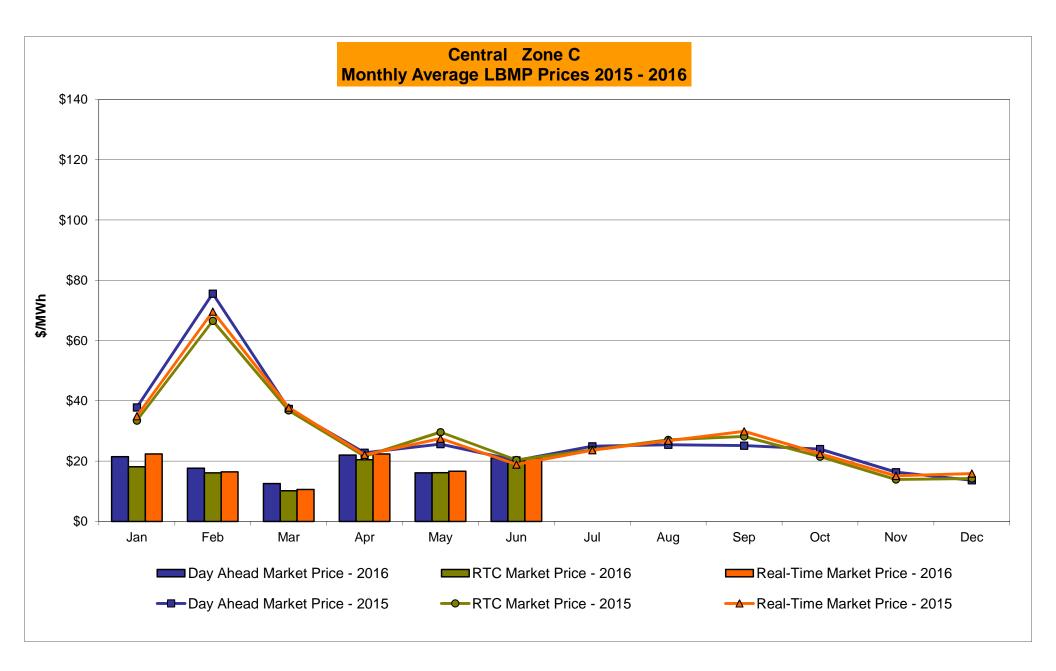
June 2016 Zonal LBMP Statistics for NYISO (\$/MWh)

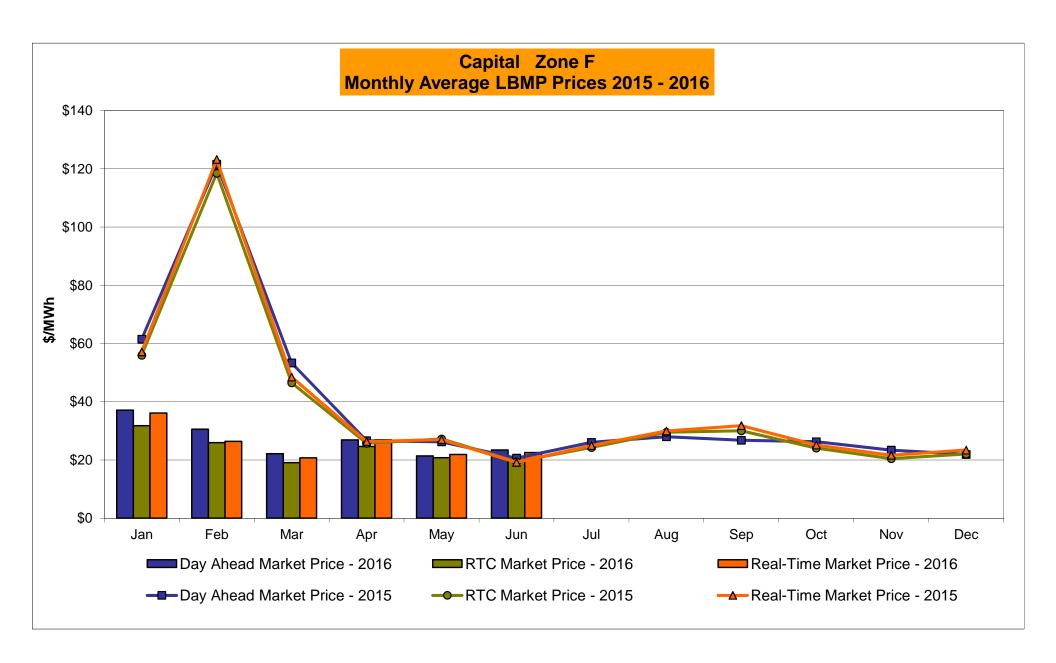
	WEST	GENESEE	NORTH	CENTRAL	MOHAWK VALLEY	CAPITAL	HUDSON VALLEY	MILLWOOD	DUNWOODIE	NEW YORK CITY	LONG ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP	<u></u>			<u></u>						<u> </u>	
Unweighted Price *	28.80	20.42	17.25	21.06	20.84	23.41	24.57	24.79	24.81	25.47	28.01
Standard Deviation	19.34	8.13	7.31	8.45	7.93	7.14	8.01	8.08	8.08	8.47	10.64
RTC LBMP											
Unweighted Price *	37.13	19.31	17.38	20.16	19.70	21.24	22.13	22.31	22.24	23.64	27.88
Standard Deviation	104.62	10.74	9.95	11.58	9.44	8.59	9.09	9.25	9.21	12.53	46.55
REAL TIME LBMP											
Unweighted Price *	32.08	20.33	18.48	20.98	20.87	22.55	23.78	24.02	23.93	26.99	30.19
Standard Deviation	72.91	13.42	13.02	13.97	13.13	12.71	14.20	14.58	14.44	24.80	38.14
		HYDRO	HYDRO			CROSS					
	ONTARIO	QUEBEC	QUEBEC	D IM	NEW	SOUND	NORTHPORT-	NEDTUNE	LINDEN VET	ШРЕОМ	Donnican
	ONTARIO IESO	QUEBEC	_	РЈМ	NEW ENGLAND	SOUND CABLE	NORWALK	NEPTUNE Controllable		HUDSON	Dennison
	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	Controllable	Controllable	Controllable
DAY AHEAD LBMP	-	QUEBEC	QUEBEC	PJM Zone P		SOUND CABLE	NORWALK	_	Controllable		
DAY AHEAD LBMP Unweighted Price *	IESO	QUEBEC (Wheel) Zone M 18.32	QUEBEC (Import/Export) Zone M 18.32	Zone P 23.72	ENGLAND Zone N 23.68	SOUND CABLE Controllable Line	NORWALK Controllable Line 25.81	Controllable Line 26.64	Controllable Line 24.75	Controllable Line 24.92	Controllable Line 16.86
	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 18.41	QUEBEC (Wheel) Zone M 18.32	QUEBEC (Import/Export) Zone M 18.32	Zone P 23.72	ENGLAND Zone N 23.68	SOUND CABLE Controllable Line	NORWALK Controllable Line 25.81	Controllable Line 26.64	Controllable Line 24.75	Controllable Line 24.92	Controllable Line 16.86
Unweighted Price * Standard Deviation	IESO Zone O 18.41 6.44	QUEBEC (Wheel) Zone M 18.32 7.92	QUEBEC (Import/Export) Zone M 18.32 7.92	Zone P 23.72 8.68 22.67	23.68 7.40	SOUND CABLE Controllable Line 27.70 10.58	NORWALK Controllable Line 25.81 8.63	26.64 9.17	24.75 7.86	24.92 8.10	Controllable Line 16.86 6.97
Unweighted Price * Standard Deviation RTC LBMP	Zone O 18.41 6.44	QUEBEC (Wheel) Zone M 18.32 7.92	QUEBEC (Import/Export) Zone M 18.32 7.92	Zone P 23.72 8.68	Zone N 23.68 7.40	SOUND CABLE Controllable Line 27.70 10.58	NORWALK Controllable Line 25.81 8.63	Controllable Line 26.64 9.17	Controllable Line 24.75 7.86	Controllable Line 24.92 8.10	Controllable Line 16.86 6.97
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation REAL TIME LBMP	18.41 6.44 15.42 17.51	QUEBEC (Wheel) Zone M 18.32 7.92 17.25 10.13	QUEBEC (Import/Export) Zone M 18.32 7.92 17.25 10.13	23.72 8.68 22.67 15.77	23.68 7.40 20.58 17.18	SOUND CABLE Controllable Line 27.70 10.58 27.41 46.85	NORWALK Controllable Line 25.81 8.63 27.08 46.75	26.64 9.17 26.04 42.11	24.75 7.86 22.14 9.08	24.92 8.10 22.28 9.18	16.86 6.97 17.12 9.83
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	IESO Zone O 18.41 6.44	QUEBEC (Wheel) Zone M 18.32 7.92	QUEBEC (Import/Export) Zone M 18.32 7.92	Zone P 23.72 8.68 22.67	23.68 7.40	SOUND CABLE Controllable Line 27.70 10.58	NORWALK Controllable Line 25.81 8.63	26.64 9.17	24.75 7.86	24.92 8.10	Controllable Line 16.86 6.97

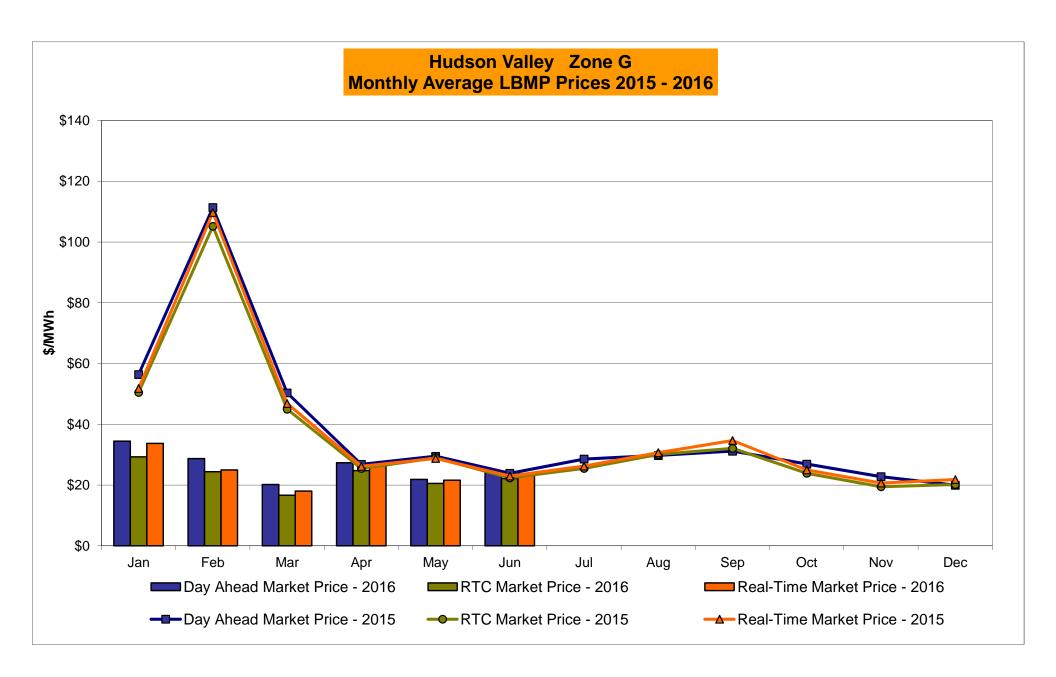
Market Mitigation and Analysis Prepared: 7/6/2016 3:17 PM

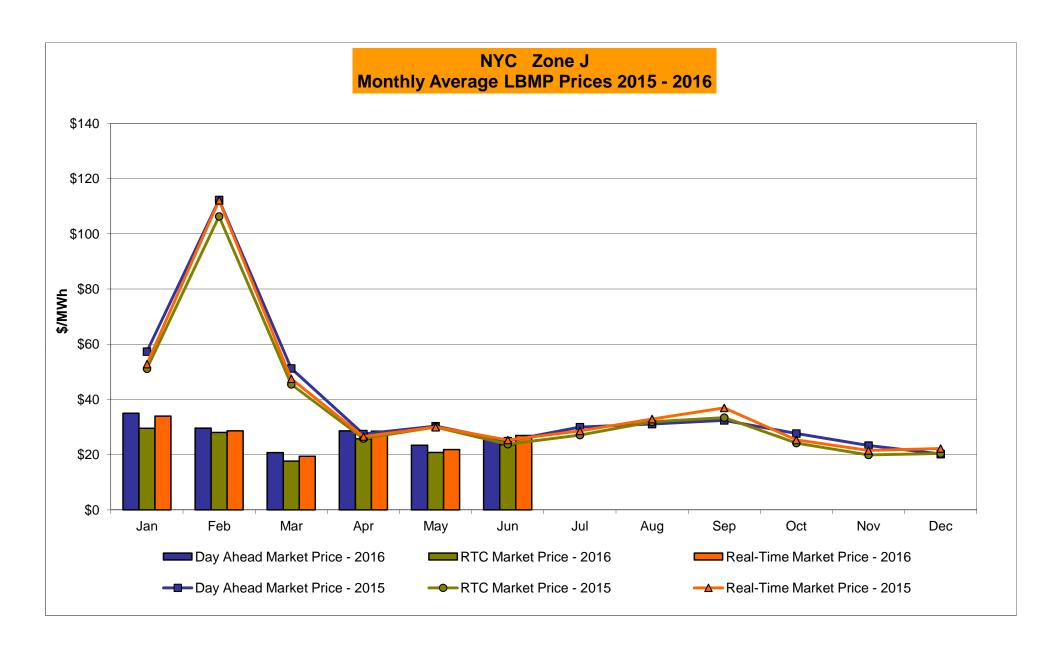
^{*} Straight LBMP averages

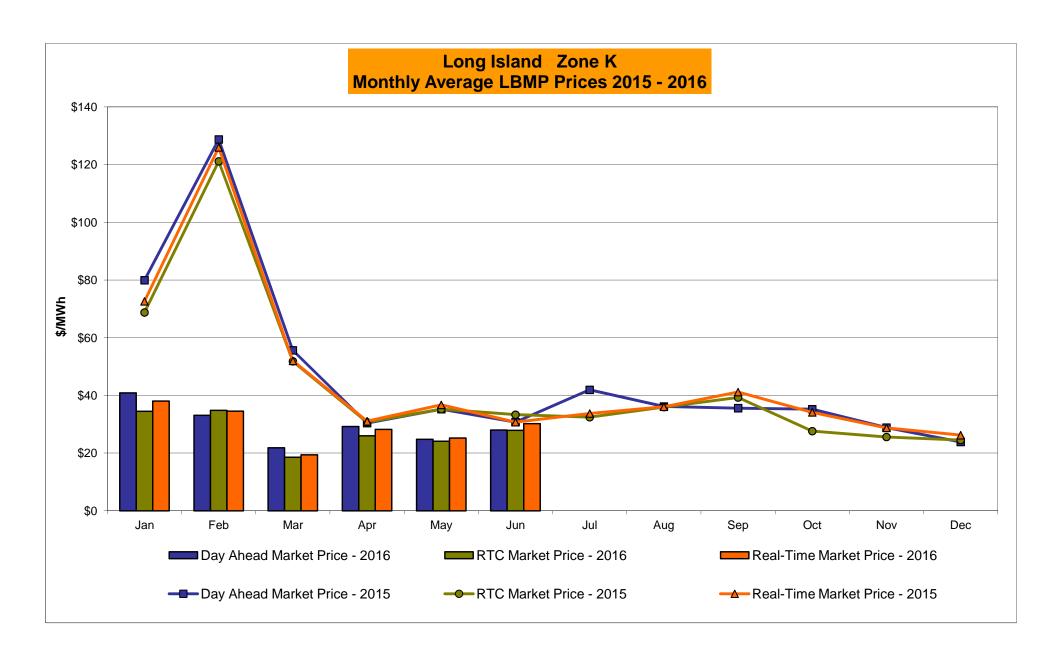


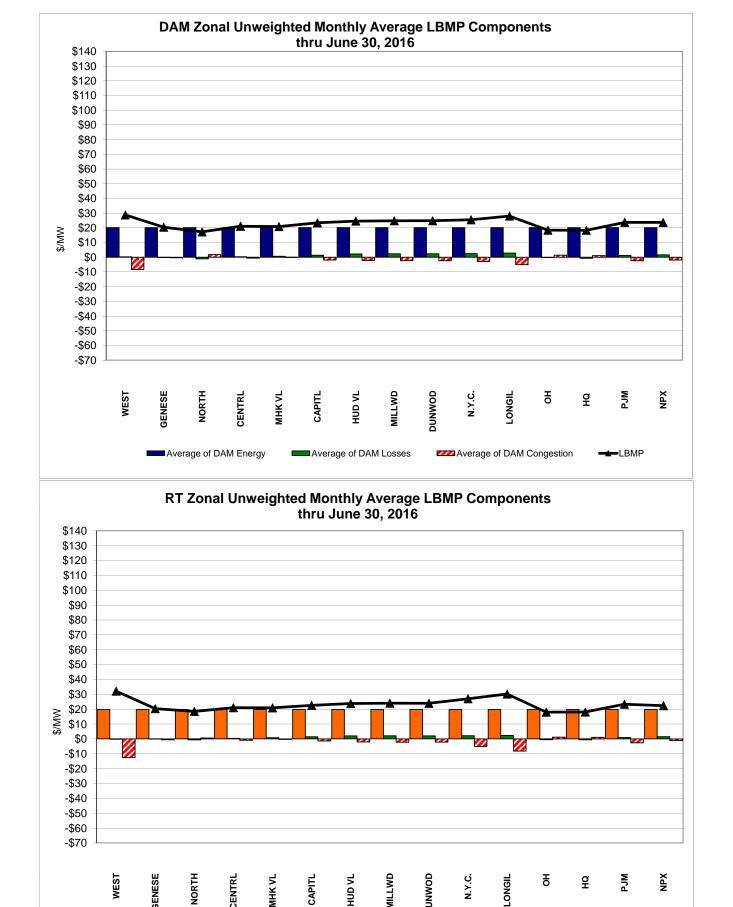












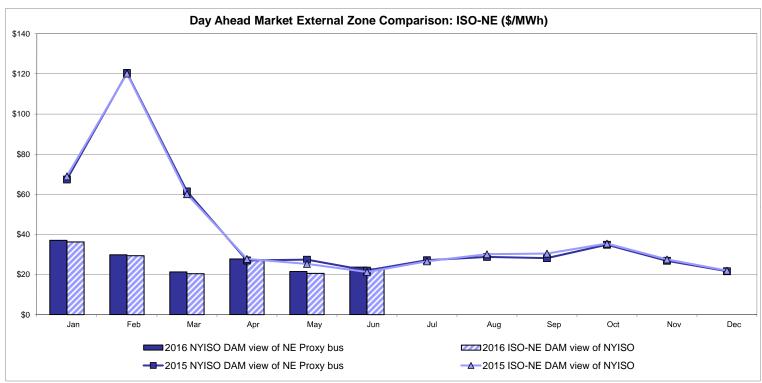
Average of RT Energy

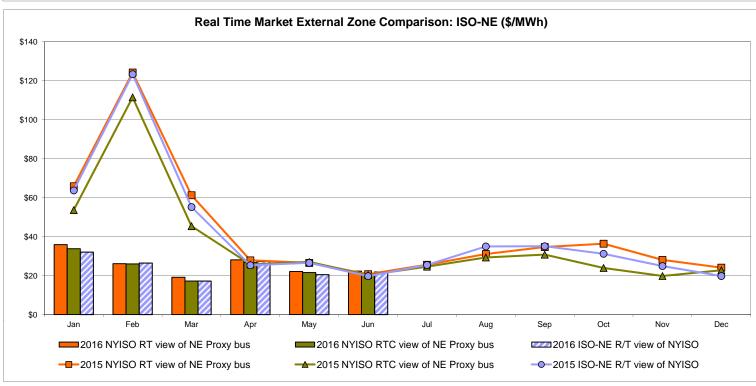
Average of RT Congestion

LBMP

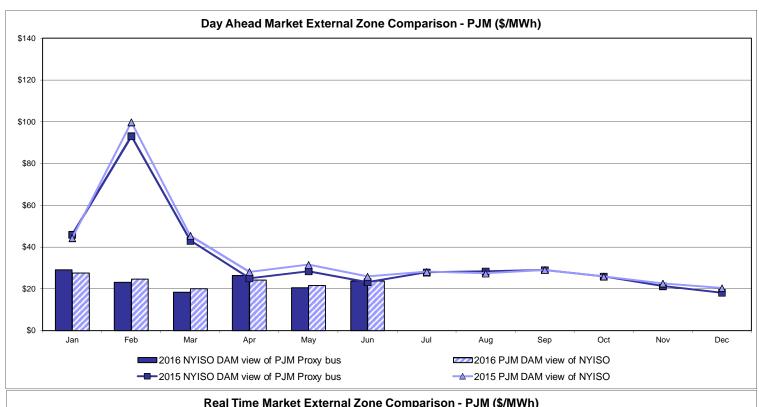
Average of RT Losses

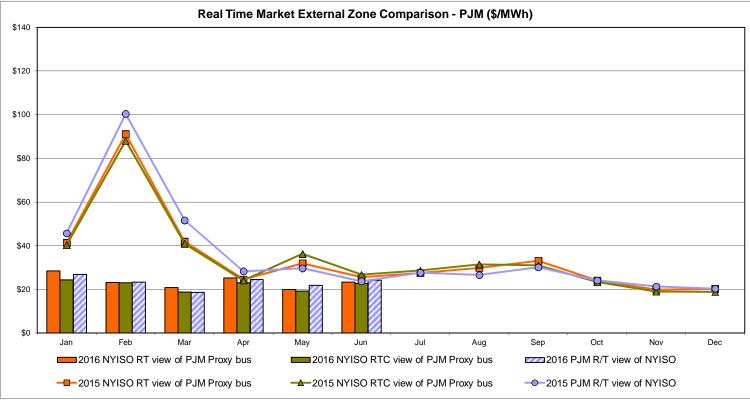
External Comparison ISO-New England



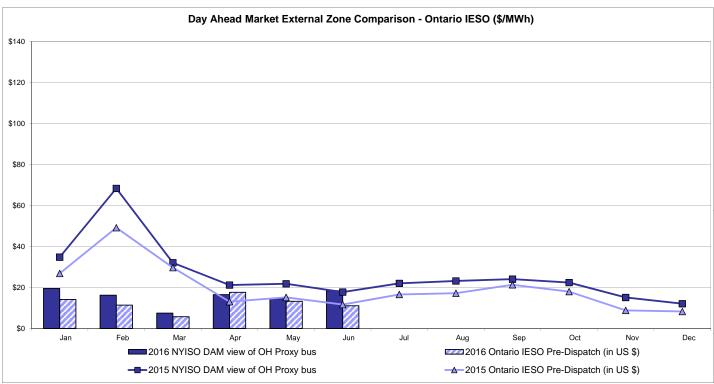


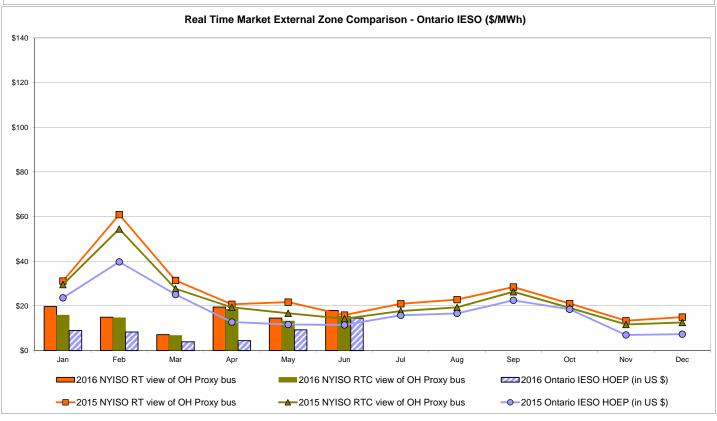
External Comparison PJM





External Comparison Ontario IESO

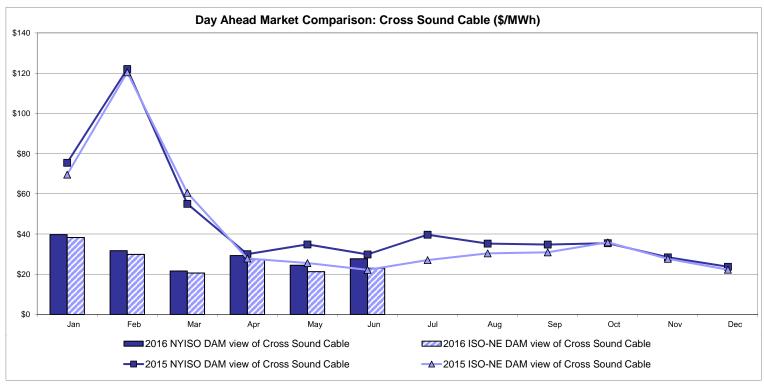


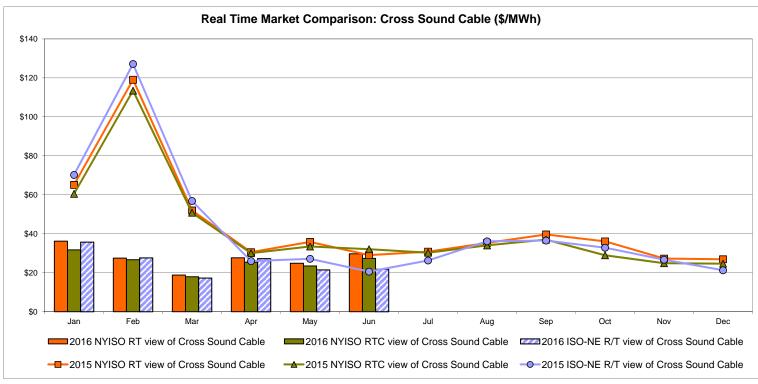


Notes: Exchange factor used for June 2016 was 0.7775 to US

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

External Controllable Line: Cross Sound Cable (New England)





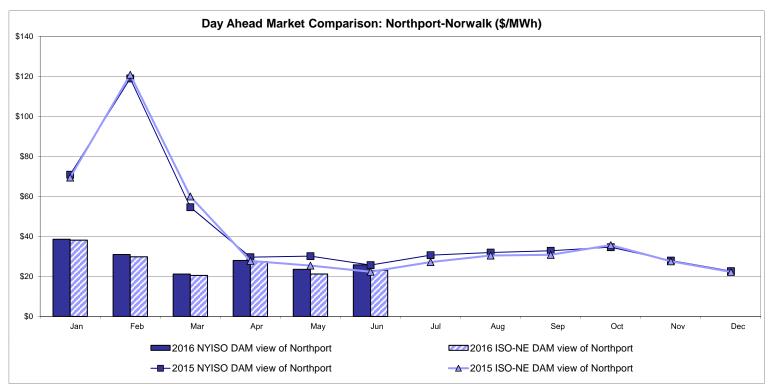
Note:

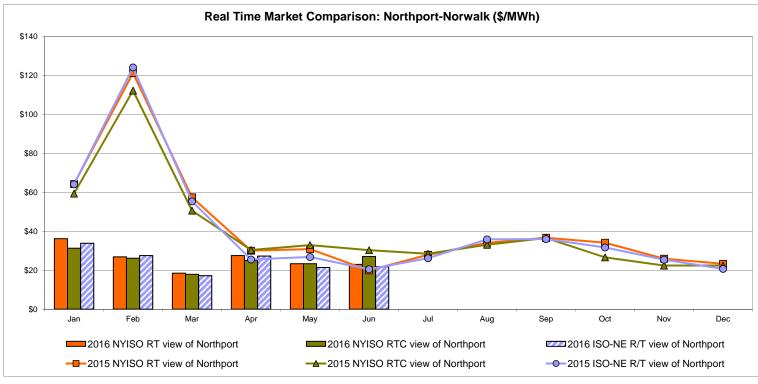
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)





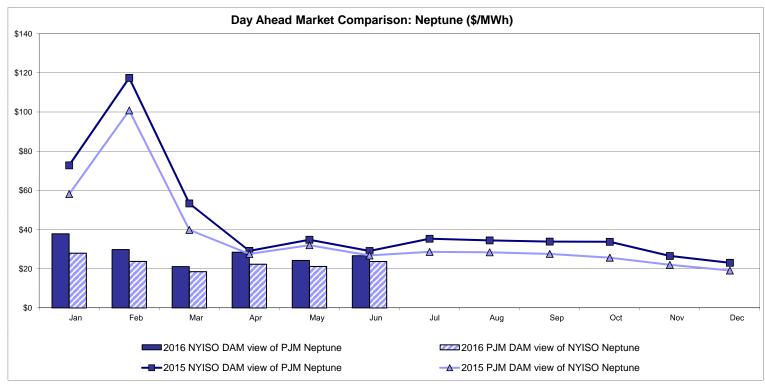
Note:

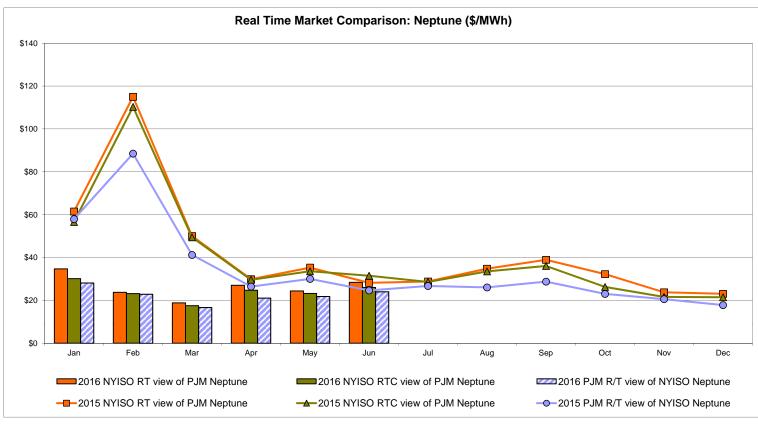
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

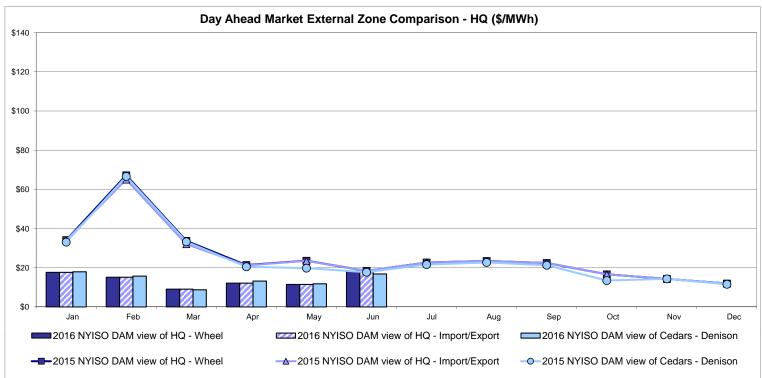
The DAM and R/T prices at the 1385 interface are used for NYISO.

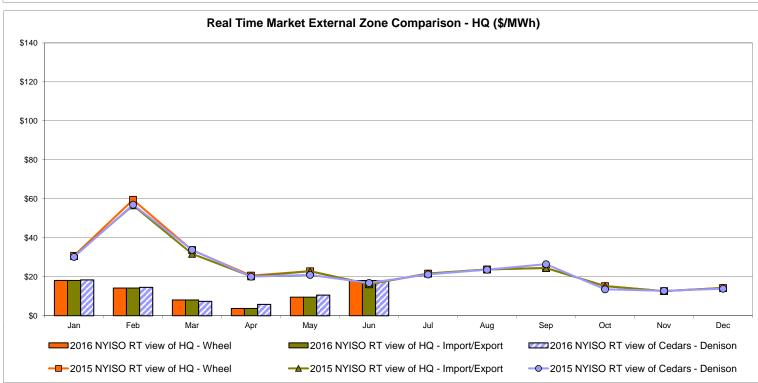
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

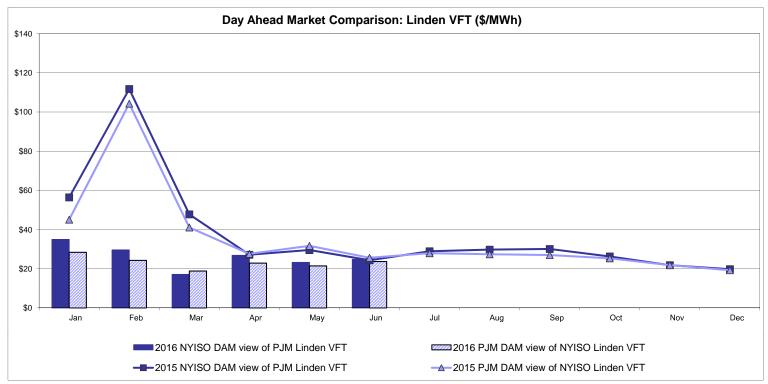


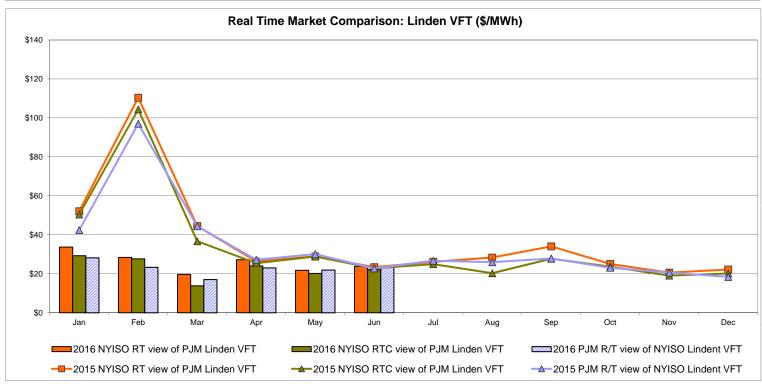


Note:

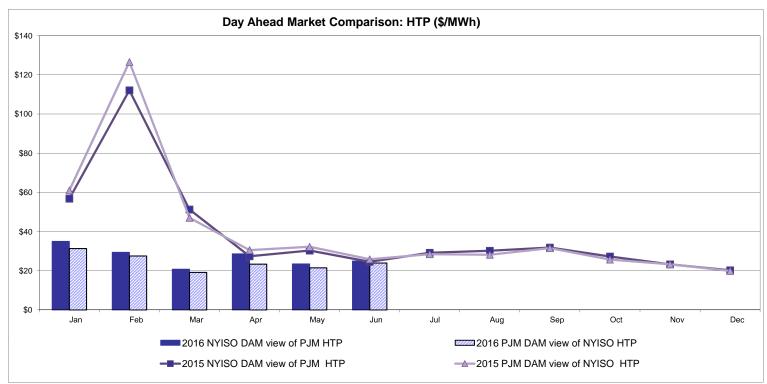
Hydro-Quebec Prices are unavailable.

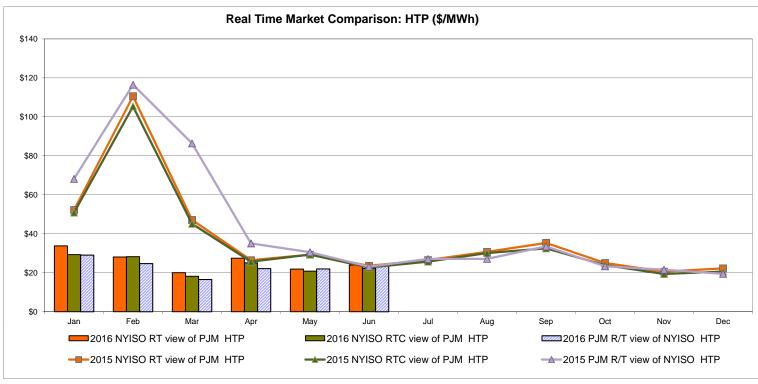
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)



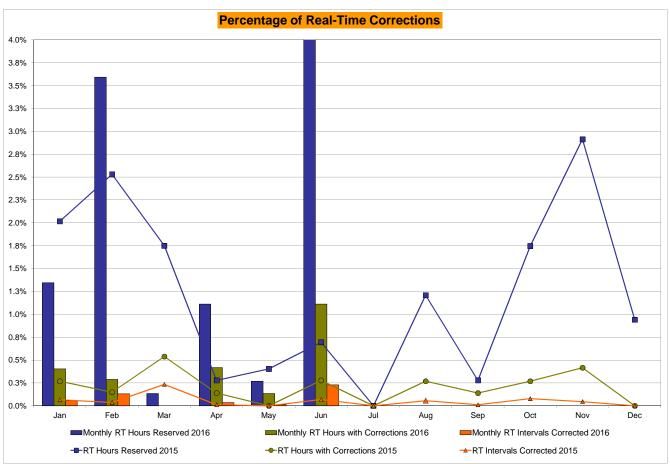


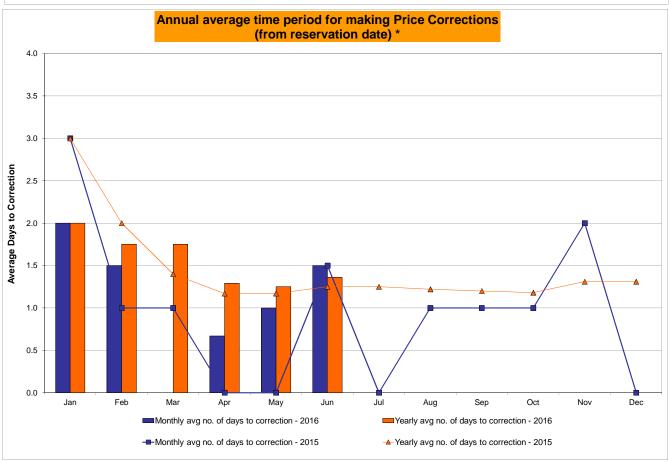
NYISO Real Time Price Correction Statistics

2016 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	<u>October</u>	November	December
Number of hours with corrections	in the month	3	2	0	3	1	8						
Number of hours	in the month	744	696	743	720	744	720						
% of hours with corrections	in the month	0.40%	0.29%	0.00%	0.42%	0.13%	1.11%						
% of hours with corrections	vear-to-date	0.40%	0.35%	0.23%	0.28%	0.25%	0.39%						
Interval Corrections	year-to-date	0.4076	0.3376	0.2376	0.2076	0.2376	0.5976						
Number of intervals corrected	in the month	5	11	0	3	1	20						
Number of intervals	in the month	9,000	8,440	8,995	8,724	8,987	8,725						
% of intervals corrected	in the month	0.06%	0.13%	0.00%	0.03%	0.01%	0.23%						
% of intervals corrected	year-to-date	0.06%	0.09%	0.06%	0.05%	0.05%	0.08%						
Hours Reserved	,												_
Number of hours reserved	in the month	10	25	1	8	2	32						
Number of hours	in the month	744	696	743	720	744	720						
% of hours reserved	in the month	1.34%	3.59%	0.13%	1.11%	0.27%	4.44%						
% of hours reserved	year-to-date	1.34%	2.43%	1.65%	1.52%	1.26%	1.79%						
Days to Correction *	7												
Avg. number of days to correction	in the month	2.00	1.50	0.00	0.67	1.00	1.50						
Avg. number of days to correction	year-to-date	2.00	1.75	1.75	1.29	1.25	1.36						
Days Without Corrections	,		-	-	-	-							_
Days without corrections	in the month	29	27	31	27	30	24						
Days without corrections	year-to-date	29	56	87	114	144	168						
2015		lanuary	February	March	Anril	May	lune	tuty	Διιαμετ	Santambar	October	November	December
2015 Hour Corrections		January	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	December
Hour Corrections	in the month		<u>February</u> 1		<u></u>								
Hour Corrections Number of hours with corrections	in the month	2	1	4	1	<u>May</u> 0 744	2	0	2	1	2	3	0
Hour Corrections					<u></u>	0							
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	2 744 0.27%	1 672 0.15%	4 743 0.54%	1 720 0.14%	0 744 0.00%	2 720 0.28%	0 744 0.00%	2 744 0.27%	1 720 0.14%	2 744 0.27%	3 721 0.42%	0 744 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month	2 744	1 672	4 743	1 720	0 744	2 720	0 744	2 744	1 720	2 744	3 721	0 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	2 744 0.27% 0.27%	1 672 0.15%	4 743 0.54% 0.32%	1 720 0.14%	0 744 0.00% 0.22%	2 720 0.28%	0 744 0.00%	2 744 0.27%	1 720 0.14%	2 744 0.27%	3 721 0.42%	0 744 0.00%
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	2 744 0.27%	1 672 0.15% 0.21%	4 743 0.54%	1 720 0.14% 0.28%	0 744 0.00%	2 720 0.28% 0.23%	0 744 0.00% 0.20%	2 744 0.27% 0.21%	1 720 0.14% 0.20%	2 744 0.27% 0.21%	3 721 0.42% 0.22%	0 744 0.00% 0.21%
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	2 744 0.27% 0.27%	1 672 0.15% 0.21%	4 743 0.54% 0.32%	1 720 0.14% 0.28%	0 744 0.00% 0.22%	2 720 0.28% 0.23%	0 744 0.00% 0.20%	2 744 0.27% 0.21%	1 720 0.14% 0.20%	2 744 0.27% 0.21%	3 721 0.42% 0.22%	0 744 0.00% 0.21%
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	2 744 0.27% 0.27% 6 9,066	1 672 0.15% 0.21% 3 8,231	4 743 0.54% 0.32% 21 9,005	1 720 0.14% 0.28%	0 744 0.00% 0.22% 0 9,032	2 720 0.28% 0.23% 6 8,731	0 744 0.00% 0.20% 0 9,025	2 744 0.27% 0.21% 5 8,987	1 720 0.14% 0.20% 1 8,728	2 744 0.27% 0.21% 7 9,008	3 721 0.42% 0.22% 4 8,743 0.05%	0 744 0.00% 0.21% 0 8,975
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	2 744 0.27% 0.27% 6 9,066 0.07%	1 672 0.15% 0.21% 3 8,231 0.04%	4 743 0.54% 0.32% 21 9,005 0.23%	1 720 0.14% 0.28% 1 8,696 0.01%	0 744 0.00% 0.22% 0 9,032 0.00%	2 720 0.28% 0.23% 6 8,731 0.07%	0 744 0.00% 0.20% 0 9,025 0.00%	2 744 0.27% 0.21% 5 8,987 0.06%	1 720 0.14% 0.20% 1 8,728 0.01%	2 744 0.27% 0.21% 7 9,008 0.08%	3 721 0.42% 0.22% 4 8,743	0 744 0.00% 0.21% 0 8,975 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	2 744 0.27% 0.27% 6 9,066 0.07%	1 672 0.15% 0.21% 3 8,231 0.04%	4 743 0.54% 0.32% 21 9,005 0.23%	1 720 0.14% 0.28% 1 8,696 0.01%	0 744 0.00% 0.22% 0 9,032 0.00%	2 720 0.28% 0.23% 6 8,731 0.07%	0 744 0.00% 0.20% 0 9,025 0.00%	2 744 0.27% 0.21% 5 8,987 0.06%	1 720 0.14% 0.20% 1 8,728 0.01%	2 744 0.27% 0.21% 7 9,008 0.08%	3 721 0.42% 0.22% 4 8,743 0.05%	0 744 0.00% 0.21% 0 8,975 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved	in the month in the month year-to-date in the month in the month in the month year-to-date	2 744 0.27% 0.27% 6 9,066 0.07% 0.07%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05%
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	2 744 0.27% 0.27% 6 9,066 0.07% 0.07%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	2 744 0.27% 0.27% 6 9,066 0.07% 0.07%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05%
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	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720 0.69%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0 744 0.00%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744 1.21%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94%
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	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720 0.69%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0 744 0.00%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744 1.21%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction Avg. number of days to correction 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	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02% 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53% 2.26%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75% 2.08%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28% 1.63%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40% 1.38%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720 0.69% 1.27%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0 744 0.00% 1.08%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744 1.21% 1.10%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28% 1.01%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75% 1.08%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91% 1.25%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94% 1.22%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction * Avg. number of days to corrections	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02% 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53% 2.26%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75% 2.08%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28% 1.63%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40% 1.38%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720 0.69% 1.27%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0 744 0.00% 1.08%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744 1.21% 1.10%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28% 1.01%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75% 1.08%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91% 1.25%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94% 1.22%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction Avg. number of days to correction 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	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02% 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53% 2.26%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75% 2.08%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28% 1.63% 0.00	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40% 1.38%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720 0.69% 1.27%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0 744 0.00% 1.08%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744 1.21% 1.10%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28% 1.01%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75% 1.08%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91% 1.25%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94% 1.22%

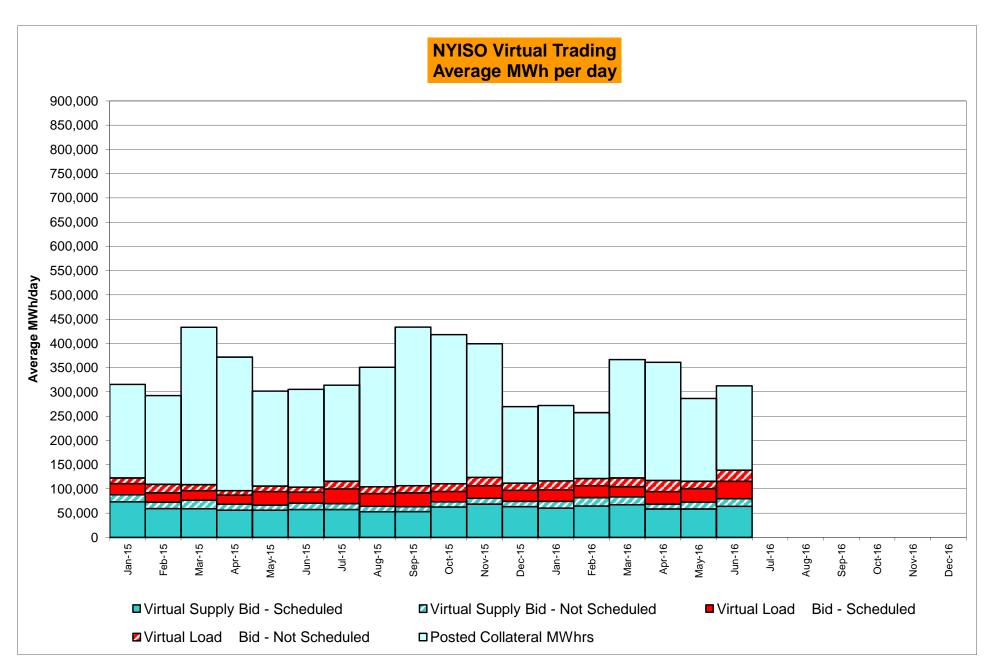
^{*} Calendar days from reservation date.

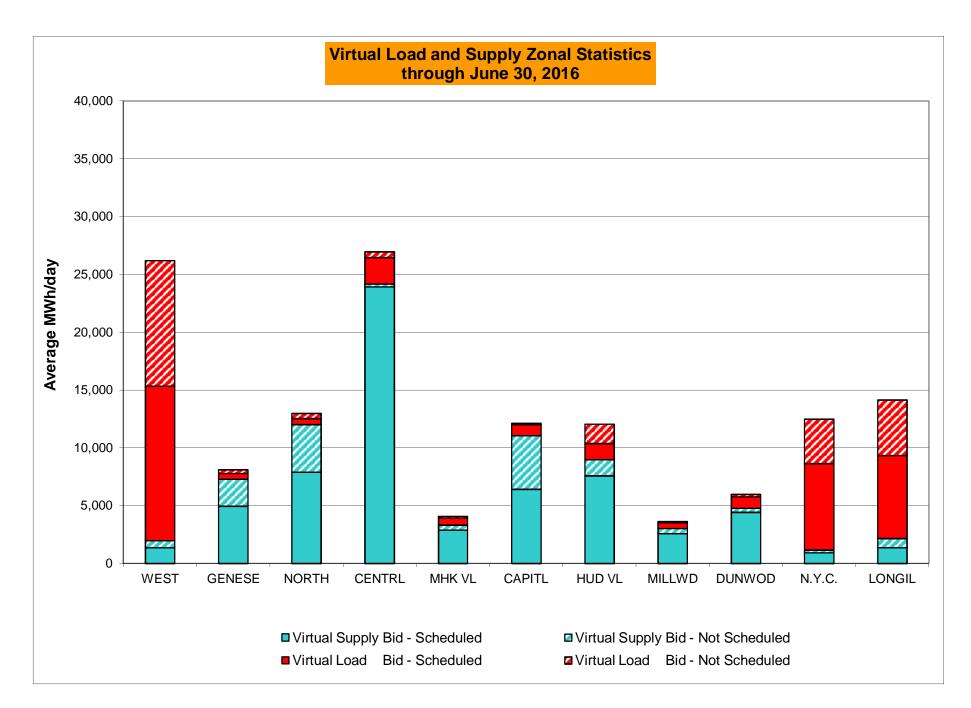
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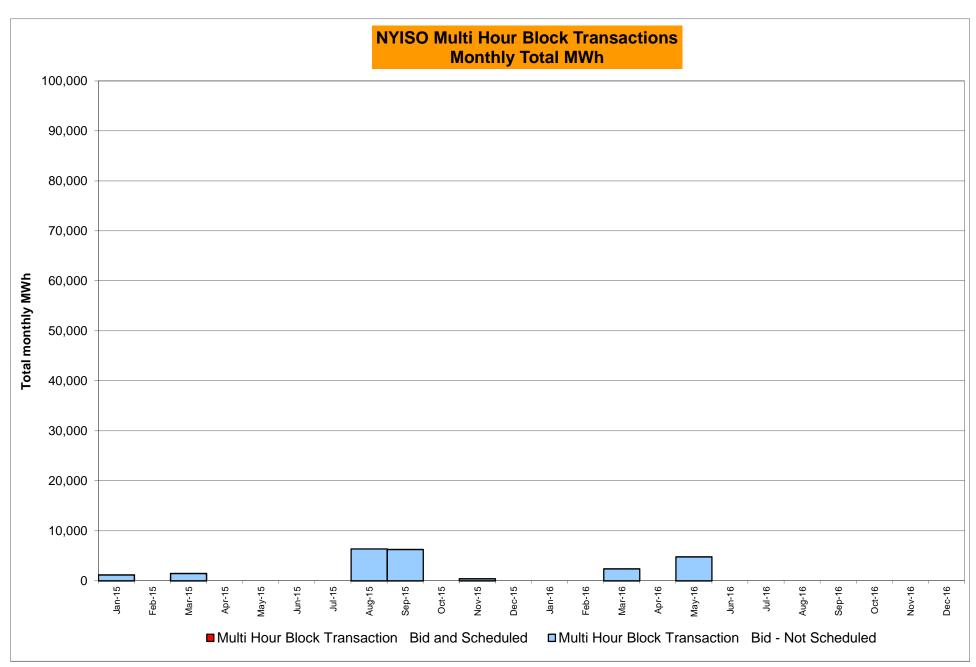
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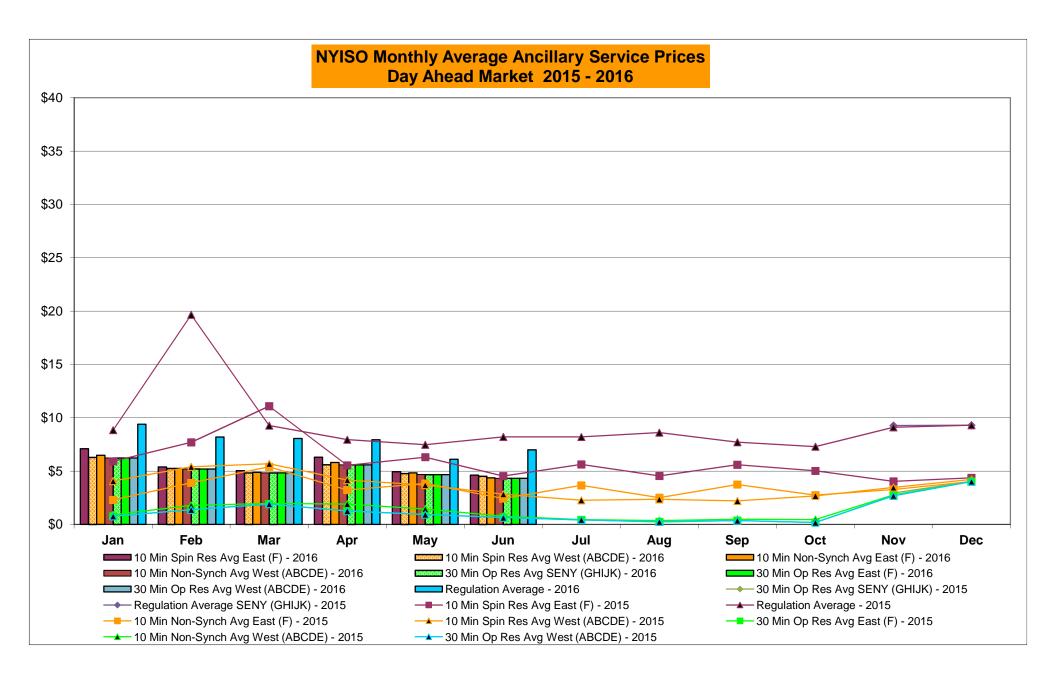


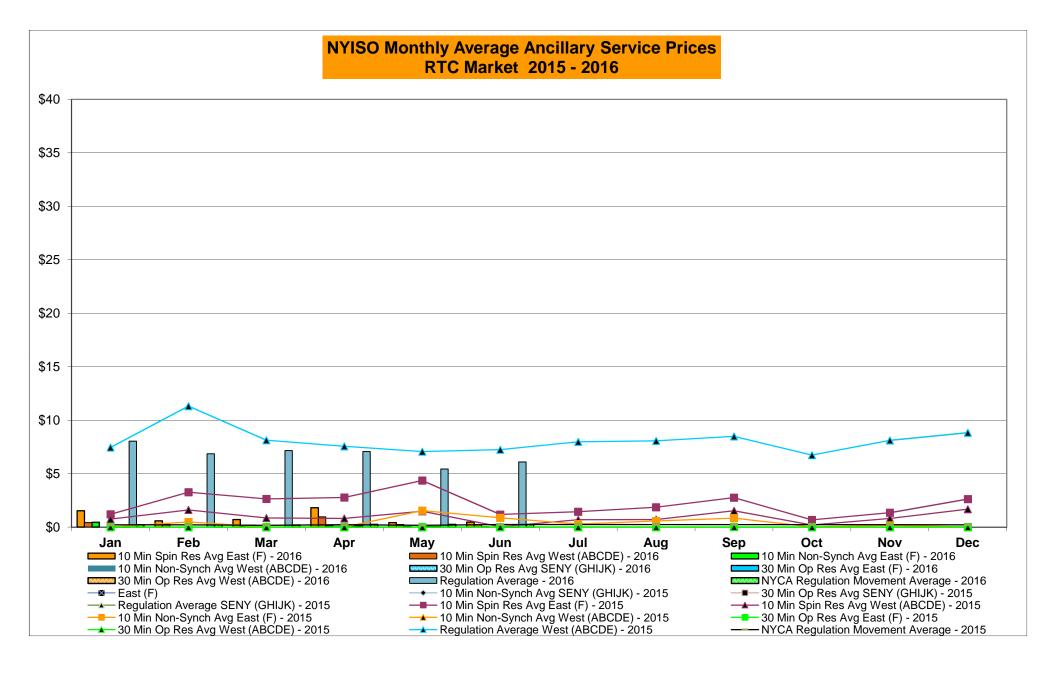


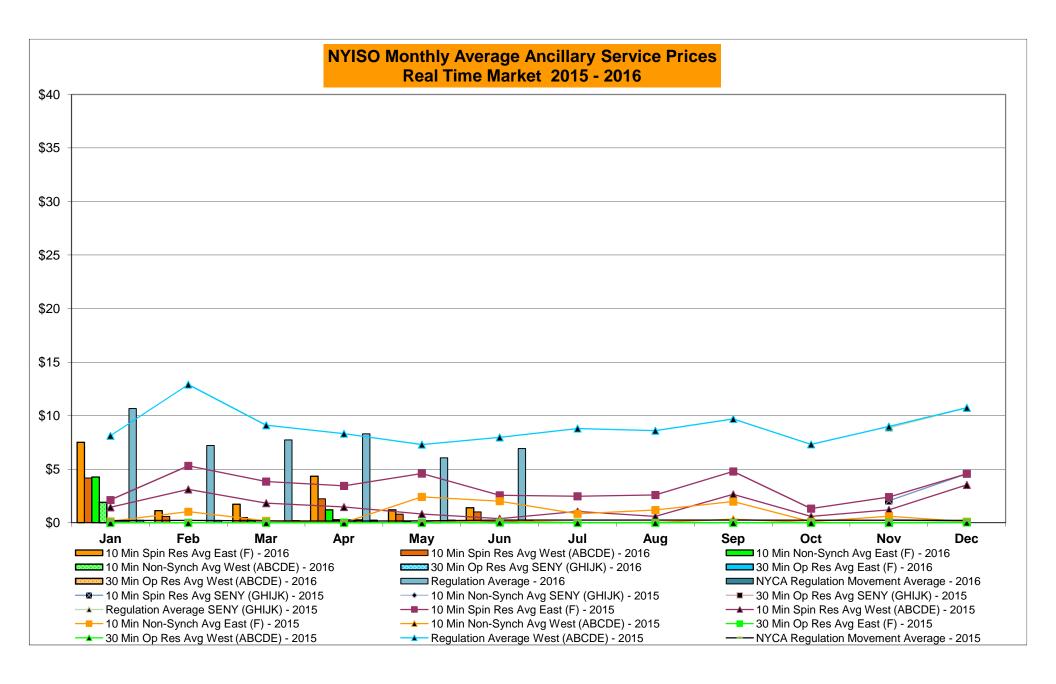
					<u>Virtual L</u>	oad and	Supp	ly Zonal	Statistic	s (Avera	ge MWh/da	y) - 2016					
		Virtual L		Virtual S	upply Bid			Virtual L		Virtual Su		T		Virtual L	oad Bid	Virtual Su	
Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled
WEST	Jan-16	8,416	4,440	2,862	419	MHK VL	Jan-16	463	92	2,024	146	DUNWOD	Jan-16	402			61
WEST	Feb-16	7,967	3,554	2,706	521	WITH VL	Feb-16	544	80	2,024	611	DONWOD	Feb-16				269
	Mar-16	7,947	7,233	2,564	720		Mar-16	440	49		931	_	Mar-16				304
	Apr-16	11,544	10,793	1,645	263		Apr-16	735	55		317		Apr-16	277			190
	May-16	8,896	4,966	2,511	678		May-16	673	33		588		May-16	660			431
	Jun-16	13,365	10,864	1,364	609		Jun-16	605	139	2,887	447		Jun-16	996			347
	Jul-16			·			Jul-16			-			Jul-16				
	Aug-16						Aug-16						Aug-16				
	Sep-16						Sep-16						Sep-16				
	Oct-16						Oct-16						Oct-16				
	Nov-16						Nov-16						Nov-16				
	Dec-16						Dec-16						Dec-16				
GENESE	Jan-16	1,030	638	3,868	2,421	CAPITL	Jan-16	2,195	1,472	4,568	3,470	N.Y.C.	Jan-16	2,862	4,976	2,531	648
GENESE	Feb-16	795	923	3,461	3,707	CAFIIL	Feb-16	1,593	684	5,140	3,581	N. 1.C.	Feb-16	3,281	4,752	,	403
	Mar-16	824	1,113	5,340	3,764		Mar-16	960	238	5,023	2,071	-	Mar-16	1,838			748
	Apr-16	448	1,398	6,028	1,718		Apr-16	1,410	198	6,433	1,645	_	Apr-16	3,263			336
	May-16	411	125	3,793	2,664		May-16	1,885	251	5,843	2,876	_	May-16				472
	Jun-16	501	323	4,945	2.340		Jun-16	959	119	6.428	4,625		Jun-16				245
	Jul-16			,	,		Jul-16			-, -	,		Jul-16		- 7-		
	Aug-16						Aug-16						Aug-16				
	Sep-16						Sep-16						Sep-16				
	Oct-16						Oct-16						Oct-16				
	Nov-16						Nov-16						Nov-16				
	Dec-16						Dec-16						Dec-16				
NORTH	Jan-16	274	312	7,038	3,010	HUD VL	Jan-16	1,036	1,609	6,763	2,202	LONGIL	Jan-16	6,153	3,761	700	985
NOKIH	Feb-16	499	215	7,036	3,894	HOD VL	Feb-16	1,036	1,135	9,550	3,078	LONGIL	Feb-16	6,539		814	869
	Mar-16	338	107	6,127	4,874		Mar-16	964	510	10,835	1,568	-	Mar-16	6,305			411
	Apr-16	666	332	8,237	3,363		Apr-16	821	1,176		1,566		Apr-16	5,087			215
	May-16	556	157	6,029	4,034		May-16	1,488	911	6,686	1,490	_	May-16	5,837	4,419		431
	Jun-16	519			4,126		Jun-16	1,392	1,684	7,583	1,398	_	Jun-16	7,178		1,377	786
	Jul-16			,	, -		Jul-16	,	,	,	,		Jul-16		,-		
	Aug-16						Aug-16						Aug-16				
	Sep-16						Sep-16						Sep-16				
	Oct-16						Oct-16						Oct-16				
	Nov-16						Nov-16						Nov-16				
	Dec-16						Dec-16						Dec-16				
CENTRL	Jan-16	954	502	25,792	259	MILLWD	Jan-16	304	114	1,211	60	NYISO	Jan-16	24,086	18,132	60,619	13,680
CENTRE	Feb-16	975	212			WIILLAAD	Feb-16	403	145	1,477	100	NTISO	Feb-16	24,000	15,096		17,335
	Mar-16	1,076	70		564		Mar-16	182	60	1,462	239	_	Mar-16	21,332			16,195
	Apr-16	1,124	159	15,555	284		Apr-16	186	26		101	_	Apr-16	25,563			9,998
	May-16	2,369	250		367		May-16	471	121	1,743	264	7	May-16		,	58,704	14,296
	Jun-16	2,285	469	23,910	277		Jun-16	489	121	2,582	449		Jun-16			64,331	15,648
	Jul-16	, , , ,		2,2.10			Jul-16			,			Jul-16		-,-,-		-,
	Aug-16						Aug-16						Aug-16				
	Sep-16						Sep-16						Sep-16				
	Oct-16						Oct-16						Oct-16			 	
	Nov-16						Nov-16						Nov-16				
	Dec-16						Dec-16						Dec-16				

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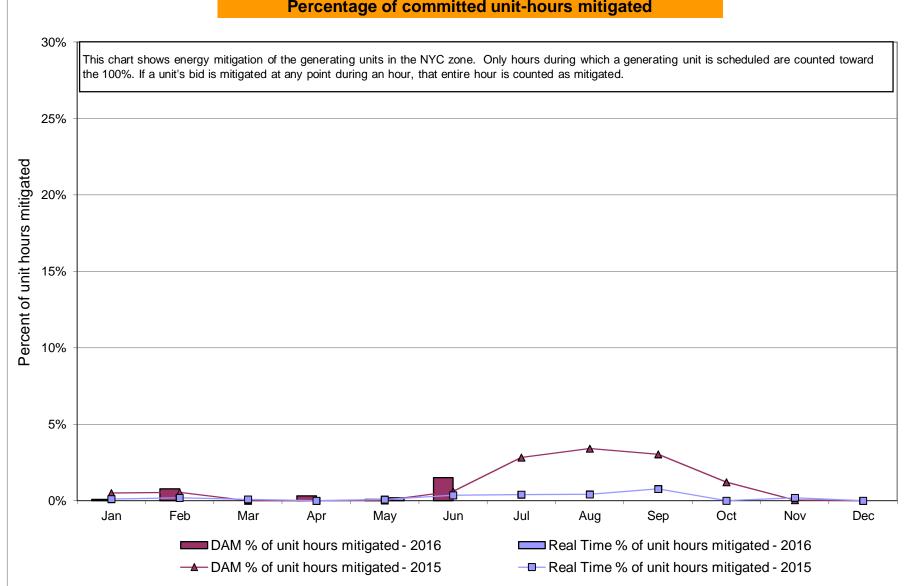


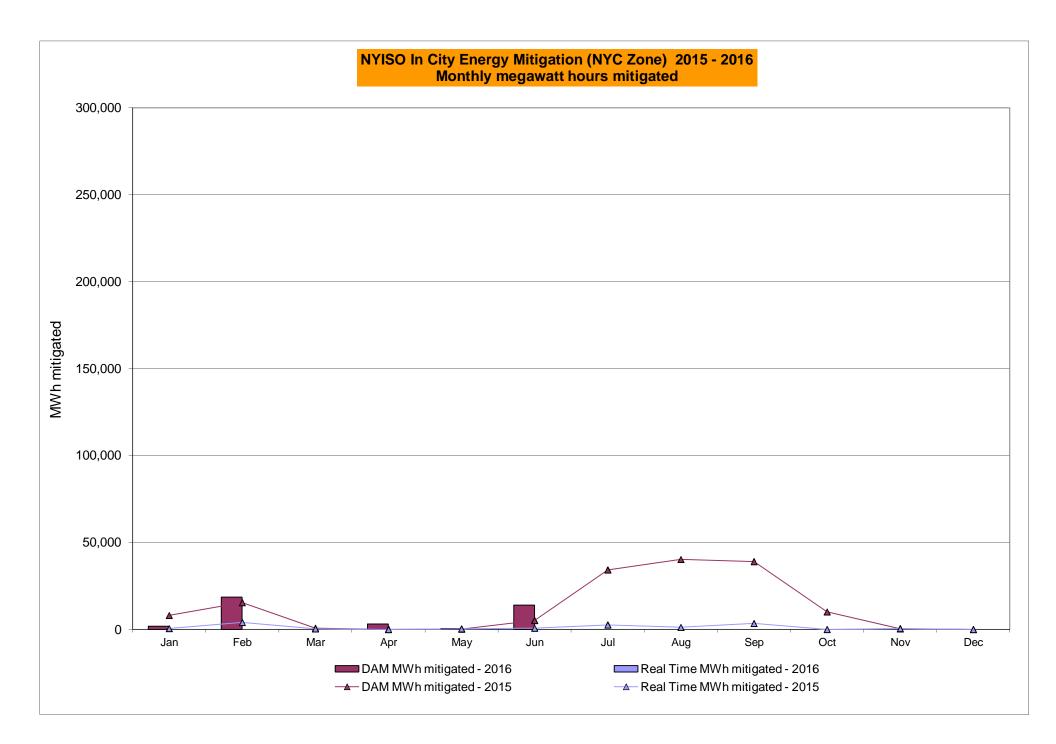
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

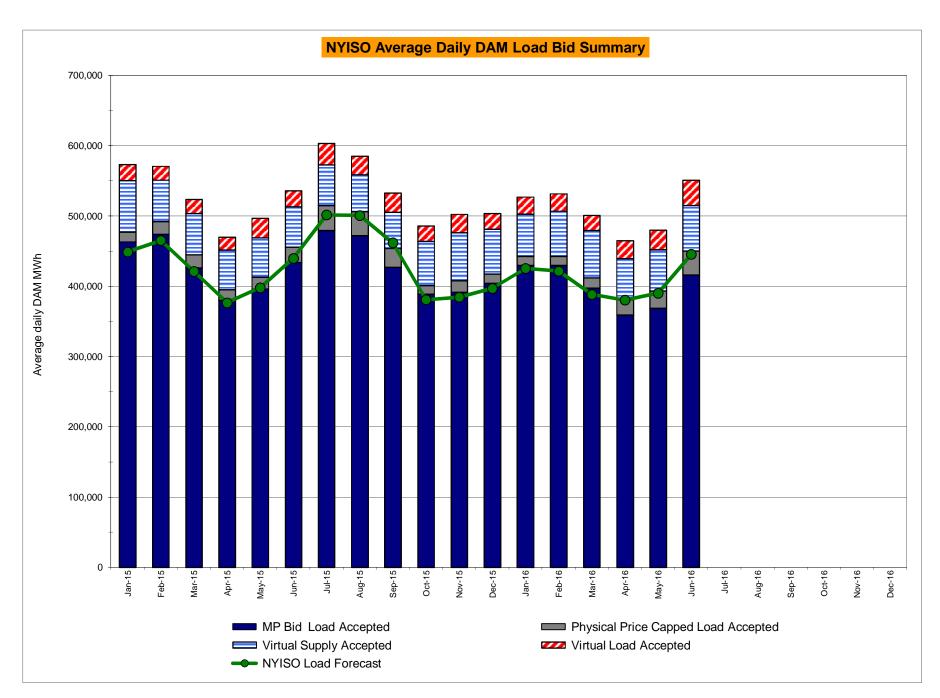
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<u>2016</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
Day Ahead Market												
10 Min Spin East (F)	7.09	5.38	5.04	6.31	4.93	4.62						
10 Min Spin West (ABCDE)	6.28	5.25	4.84	5.60	4.77	4.52						
10 Min Non Synch East (F)	6.47	5.25	4.88	5.80	4.83	4.36						
10 Min Non Synch West (ABCDE)	6.23	5.20	4.84	5.58	4.68	4.32						
30 Min SENY (GHIJK)	6.23	5.20	4.84	5.58	4.67	4.32						
30 Min East (F)	6.23	5.20	4.84	5.58	4.67	4.32						
30 Min West (ABCDE)	6.23	5.20	4.84	5.58	4.67	4.32						
Regulation	9.39	8.19	8.05	7.93	6.11	7.00						
-	0.00	0.15	0.00	7.55	0.11	7.00						
RTC Market												
10 Min Spin East (F)	1.53	0.59	0.71	1.81	0.43	0.46						
10 Min Spin West (ABCDE)	0.42	0.26	0.08	0.95	0.23	0.24						
10 Min Non Synch East (F)	0.45	0.00	0.17	0.14	0.05	0.02						
10 Min Non Synch West (ABCDE)	0.04	0.00	0.00	0.14	0.04	0.02						
30 Min SENY (GHIJK)	0.01	0.00	0.00	0.14	0.04	0.04						
30 Min East (F)	0.01	0.00	0.00	0.14	0.04	0.02						
30 Min West (ABCDE)	0.01	0.00	0.00	0.14	0.04	0.02						
Regulation	8.04	6.86	7.15	7.07	5.43	6.09						
NYCA Regulation Movement	0.23	0.21	0.20	0.25	0.25	0.23						
NTOA Negulation Movement	0.23	0.21	0.20	0.25	0.25	0.23						
Real Time Market												
10 Min Spin East (F)	7.51	1.12	1.73	4.34	1.19	1.40						
10 Min Spin West (ABCDE)	4.17	0.58	0.48	2.23	0.79	1.00						
10 Min Non Synch East (F)	4.26	0.00	0.22	1.20	0.06	0.11						
10 Min Non Synch West (ABCDE)	1.89	0.00	0.00	0.26	0.03	0.04						
30 Min SENY (GHIJK)	0.06	0.00	0.00	0.25	0.03	0.07						
30 Min East (F)	0.06	0.00	0.00	0.25	0.03	0.04						
30 Min West (ABCDE)	0.06	0.00	0.00	0.25	0.03	0.04						
Regulation	10.66	7.21	7.73	8.30	6.06	6.92						
NYCA Regulation Movement	0.23	0.22	0.20	0.25	0.25	0.23						
NTOA Regulation Wovernent	0.23	0.22	0.20	0.23	0.23	0.23						
2015	lanuary	Eobruary	March	April	May	lupo	luk	August	Contombor	Octobor	November	Docombor
2015	<u>January</u>	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	<u>December</u>
Day Ahead Market	-	-						-	•			
Day Ahead Market 10 Min Spin East (F)	5.92	7.69	11.09	5.53	6.31	4.53	5.62	4.54	5.60	5.02	4.03	4.36
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE)	5.92 4.07	7.69 5.40	11.09 5.68	5.53 4.16	6.31 3.69	4.53 2.84	5.62 2.26	4.54 2.36	5.60 2.20	5.02 2.68	4.03 3.47	4.36 4.22
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F)	5.92 4.07 2.30	7.69 5.40 3.89	11.09 5.68 5.40	5.53 4.16 3.22	6.31 3.69 3.84	4.53 2.84 2.42	5.62 2.26 3.66	4.54 2.36 2.51	5.60 2.20 3.74	5.02 2.68 2.75	4.03 3.47 3.27	4.36 4.22 4.03
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	5.92 4.07 2.30 0.90	7.69 5.40 3.89 1.79	11.09 5.68 5.40 1.97	5.53 4.16 3.22 1.91	6.31 3.69 3.84 1.45	4.53 2.84 2.42 0.77	5.62 2.26 3.66 0.45	4.54 2.36 2.51 0.36	5.60 2.20 3.74 0.49	5.02 2.68 2.75 0.45	4.03 3.47 3.27 2.77	4.36 4.22 4.03 4.02
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK)	5.92 4.07 2.30 0.90 N/A	7.69 5.40 3.89 1.79 N/A	11.09 5.68 5.40 1.97 N/A	5.53 4.16 3.22 1.91 N/A	6.31 3.69 3.84 1.45 N/A	4.53 2.84 2.42 0.77 N/A	5.62 2.26 3.66 0.45 N/A	4.54 2.36 2.51 0.36 N/A	5.60 2.20 3.74 0.49 N/A	5.02 2.68 2.75 0.45 N/A	4.03 3.47 3.27 2.77 2.95	4.36 4.22 4.03 4.02 4.02
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F)	5.92 4.07 2.30 0.90 N/A 0.77	7.69 5.40 3.89 1.79 N/A 1.38	11.09 5.68 5.40 1.97 N/A 1.91	5.53 4.16 3.22 1.91 N/A 1.26	6.31 3.69 3.84 1.45 N/A 0.93	4.53 2.84 2.42 0.77 N/A 0.64	5.62 2.26 3.66 0.45 N/A 0.43	4.54 2.36 2.51 0.36 N/A 0.24	5.60 2.20 3.74 0.49 N/A 0.37	5.02 2.68 2.75 0.45 N/A 0.18	4.03 3.47 3.27 2.77 2.95 2.69	4.36 4.22 4.03 4.02 4.02 4.02
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK)	5.92 4.07 2.30 0.90 N/A	7.69 5.40 3.89 1.79 N/A	11.09 5.68 5.40 1.97 N/A	5.53 4.16 3.22 1.91 N/A	6.31 3.69 3.84 1.45 N/A	4.53 2.84 2.42 0.77 N/A	5.62 2.26 3.66 0.45 N/A	4.54 2.36 2.51 0.36 N/A	5.60 2.20 3.74 0.49 N/A	5.02 2.68 2.75 0.45 N/A	4.03 3.47 3.27 2.77 2.95	4.36 4.22 4.03 4.02 4.02
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F)	5.92 4.07 2.30 0.90 N/A 0.77	7.69 5.40 3.89 1.79 N/A 1.38	11.09 5.68 5.40 1.97 N/A 1.91	5.53 4.16 3.22 1.91 N/A 1.26	6.31 3.69 3.84 1.45 N/A 0.93	4.53 2.84 2.42 0.77 N/A 0.64	5.62 2.26 3.66 0.45 N/A 0.43	4.54 2.36 2.51 0.36 N/A 0.24	5.60 2.20 3.74 0.49 N/A 0.37	5.02 2.68 2.75 0.45 N/A 0.18	4.03 3.47 3.27 2.77 2.95 2.69	4.36 4.22 4.03 4.02 4.02 4.02
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation	5.92 4.07 2.30 0.90 N/A 0.77 0.77	7.69 5.40 3.89 1.79 N/A 1.38 1.38	11.09 5.68 5.40 1.97 N/A 1.91	5.53 4.16 3.22 1.91 N/A 1.26 1.26	6.31 3.69 3.84 1.45 N/A 0.93	4.53 2.84 2.42 0.77 N/A 0.64	5.62 2.26 3.66 0.45 N/A 0.43	4.54 2.36 2.51 0.36 N/A 0.24	5.60 2.20 3.74 0.49 N/A 0.37 0.37	5.02 2.68 2.75 0.45 N/A 0.18	4.03 3.47 3.27 2.77 2.95 2.69 2.69	4.36 4.22 4.03 4.02 4.02 4.02
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84	7.69 5.40 3.89 1.79 N/A 1.38 1.38	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20	5.62 2.26 3.66 0.45 N/A 0.43 0.43	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10	4.36 4.22 4.03 4.02 4.02 4.02 4.02 9.30
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10	4.36 4.22 4.03 4.02 4.02 4.02 9.30
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10	4.36 4.22 4.03 4.02 4.02 4.02 4.02 9.30 2.62 1.68
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81 0.16	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81 0.16	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81 0.16 0.00 0.00	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81 0.16 0.00 0.00	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHJK) 30 Min East (F) 30 Min East (F)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00 7.56	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00 7.97	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00 6.73	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 0.00 8.12	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHJK) 30 Min East (F) 30 Min East (F)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00 7.56	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00 7.97	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00 6.73	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 0.00 8.12	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch East (F) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00 7.56 0.22	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06 0.16	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00 7.97 0.25	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00 6.73 0.23	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 8.12 0.22	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83 0.22
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East (F)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00 7.56 0.22	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06 0.16	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 7.97 0.25	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 8.07 0.23	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00 6.73 0.23	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 0.00 8.12 0.22	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83 0.22
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch East (F) 10 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East (F) 10 Min Spin East (F) 10 Min Spin East (F)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00 7.56 0.22	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06 0.16	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00 7.97 0.25	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00 6.73 0.23	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 0.00 2.22	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 0.00 2.62 4.7 3.53
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch East (F) 30 Min East (F) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East (F)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21 5.31 3.11 1.03	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 7.56 0.22 3.44 1.46 0.01	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 7.06 0.16	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 7.97 0.25	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 6.73 0.23	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 0.00 2.22	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83 0.22 4.57 3.53 0.09
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min East (F) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21 2.12 1.44 0.12 0.00	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21 5.31 3.11 1.03 0.00	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00 7.56 0.22 3.44 1.46 0.01 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.16 4.59 0.81 2.41	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24 2.56 0.38 2.01 0.19	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00 7.97 0.25	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24 4.79 2.65 1.97 0.33	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 6.73 0.23	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 0.00 8.12 0.22	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 8.83 0.22 4.57 3.53 0.09 0.05
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21 2.12 1.44 0.12 0.00 N/A	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21 5.31 3.11 1.03 0.00 N/A	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16 3.84 1.83 0.17 0.00 N/A	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00 7.56 0.22 3.44 1.46 0.01 0.00 N/A	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06 0.16 4.59 0.81 2.41 0.00 N/A	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24 2.56 0.38 2.01 0.19 N/A	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00 7.97 0.25 2.47 1.04 0.83 0.00 N/A	4.54 2.36 2.51 0.36 N/A 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23 2.59 0.59 1.19 0.02 N/A	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24 4.79 2.65 1.97 0.33 N/A	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00 6.73 0.23 1.32 0.59 0.09 0.00 N/A	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 8.12 0.22 2.40 1.20 0.61 0.00 0.00	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 8.83 0.22 4.57 3.53 0.09 0.05 0.03
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21 2.12 1.44 0.12 0.00 N/A	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21 5.31 3.11 1.03 0.00 N/A	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16 3.84 1.83 0.17 0.00 N/A	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 7.56 0.22 3.44 1.46 0.01 0.00 N/A 0.00 N/A 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 7.06 0.16 4.59 0.81 2.41 0.00 N/A 0.00	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24 2.56 0.38 2.01 0.19 N/A 0.02	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 7.97 0.25 2.47 1.04 0.83 0.00 N/A 0.00	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23 2.59 0.59 1.19 0.02 N/A	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24 4.79 2.65 1.97 0.33 N/A	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00 6.73 0.23 1.32 0.59 0.09 0.00 N/A	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 8.12 0.22 2.40 1.20 0.61 0.00 0.00	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83 0.22 4.57 3.53 0.09 0.05 0.03
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Spin East (F) 10 Min Spin East (F) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 30 Min Seny (GHIJK) 30 Min Spin West (ABCDE) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min SENY (GHIJK)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21 2.12 1.44 0.12 0.00 N/A	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21 5.31 3.11 1.03 0.00 N/A 0.00 0.00	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16 3.84 1.83 0.17 0.00 N/A	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 7.56 0.22 3.44 1.46 0.01 0.00 N/A 0.00 0.00 N/A 0.00 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06 0.16 4.59 0.81 2.41 0.00 N/A 0.00	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24 2.56 0.38 2.01 0.19 N/A 0.02 0.02	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 7.97 0.25 2.47 1.04 0.83 0.00 N/A 0.00 0.00	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23 2.59 0.59 1.19 0.02 N/A	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24 4.79 2.65 1.97 0.33 N/A 0.00 0.00	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.73 0.23 1.32 0.59 0.09 0.00 N/A 0.00	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 0.00 2.22 2.40 1.20 0.61 0.00 0.00 0.00 0.00 0.00 0.00 0.0	4.36 4.22 4.03 4.02 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83 0.22 4.57 3.53 0.09 0.05 0.03 0.03 0.03
Day Ahead Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin West (ABCDE) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F)	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21 2.12 1.44 0.12 0.00 N/A	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21 5.31 3.11 1.03 0.00 N/A	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16 3.84 1.83 0.17 0.00 N/A	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 7.56 0.22 3.44 1.46 0.01 0.00 N/A 0.00 N/A 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 7.06 0.16 4.59 0.81 2.41 0.00 N/A 0.00	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24 2.56 0.38 2.01 0.19 N/A 0.02	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 7.97 0.25 2.47 1.04 0.83 0.00 N/A 0.00	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23 2.59 0.59 1.19 0.02 N/A	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24 4.79 2.65 1.97 0.33 N/A	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00 6.73 0.23 1.32 0.59 0.09 0.00 N/A	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 8.12 0.22 2.40 1.20 0.61 0.00 0.00	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83 0.22 4.57 3.53 0.09 0.05 0.03

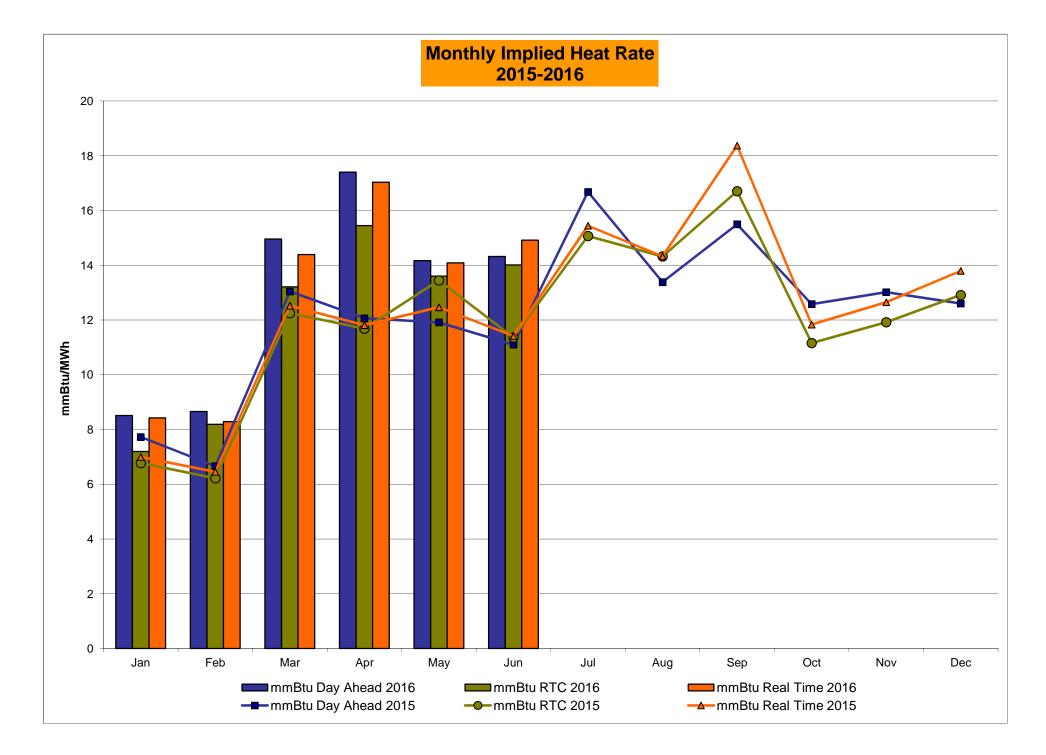
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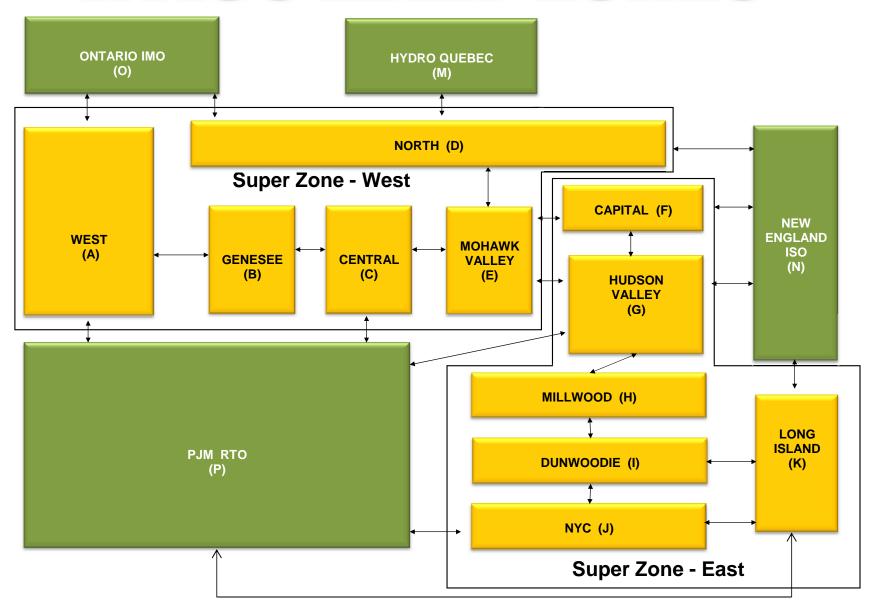








NYISO LBMP ZONES



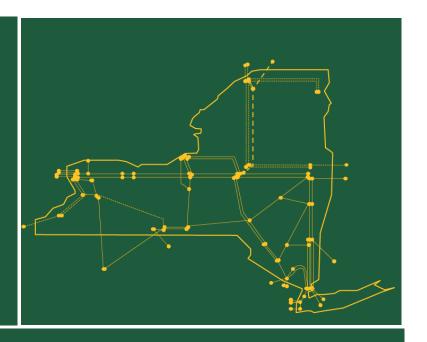
Billing Codes for Chart C

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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