

NYISO CEO/COO Report

Rich Dewey

President & Chief Executive Officer

Rick Gonzales

Senior Vice President & Chief Operating Officer

Management Committee Meeting

July 26, 2023 Rensselaer, NY

NYISO CEO/COO Report

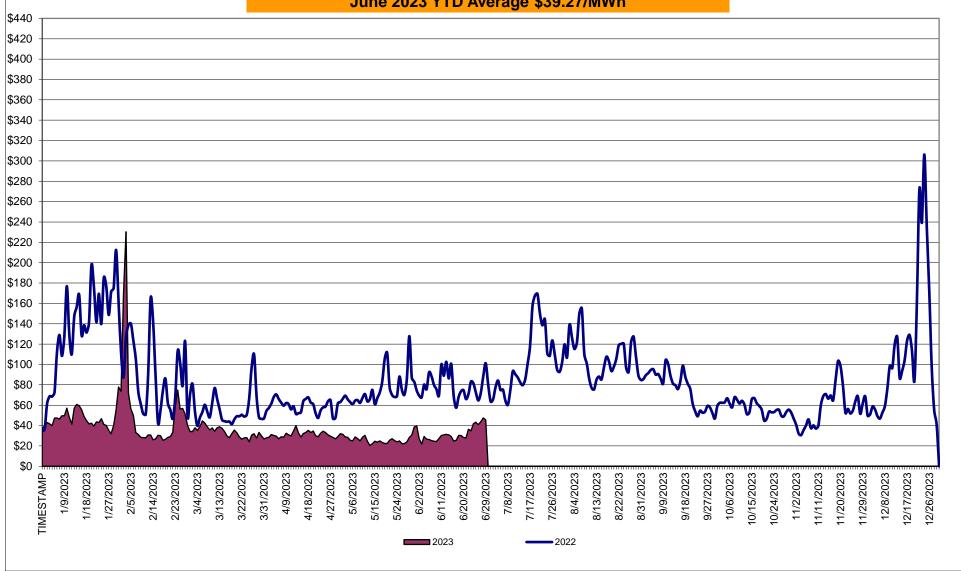
- CEO Report
- COO Report
 - Market Performance Highlights For Information Only
 - Operations Performance Metrics Monthly Report



Market Performance Highlights June 2023

- LBMP for June is \$29.85/MWh; higher than \$23.13/MWh in May 2023 and lower than \$76.72/MWh in June 2022.
 - Day Ahead Load Weighted LBMPs and Real Time Load Weighted LBMPs are higher compared to May.
- June 2023 average year-to-date monthly cost of \$39.27/MWh is a 55% decrease from \$87.37/MWh in June 2022.
- Average daily sendout is 401 GWh/day in June; higher than 350 GWh/day in May 2023 and lower than 422 GWh/day in June 2022.
- Natural gas prices and distillate prices are mixed compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$1.39/MMBtu, down from \$1.43/MMBtu in May.
 - Natural gas prices (Transco Z6 NY) are down 79.9% year-over-year.
 - Jet Kerosene Gulf Coast was \$16.68/MMBtu, up from \$16.11/MMBtu in May.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$17.36/MMBtu, up from \$16.78/MMBtu in May.
 - Distillate prices are down 44.5% year-over-year
- Uplift per MWh is mixed compared to the previous month.
 - Uplift (not including NYISO cost of operations) is 0.09/MWh; higher than (\$0.13)/MWh in May.
 - Local Reliability Share is \$0.35/MWh, higher than \$0.07/MWh in May.
 - Statewide Share is (\$0.26)/MWh, lower than (\$0.20)/MWh in May.
 - TSA \$ per NYC MWh is \$0.08/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than May.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)* 2022 Annual Average \$89.23/MWh June 2022 YTD Average \$87.37/MWh June 2023 YTD Average \$39.27/MWh

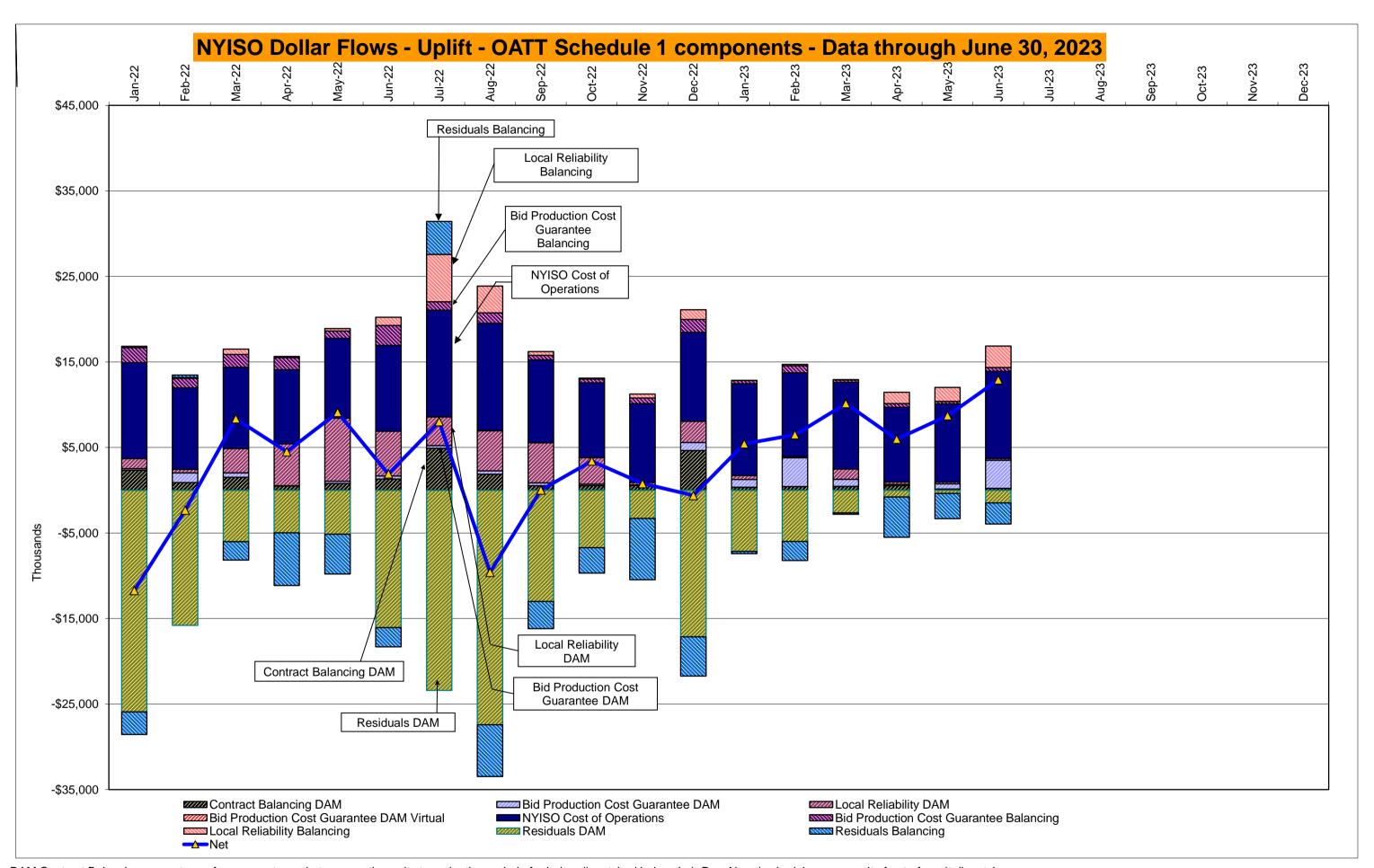


^{*} Excludes ICAP payments.

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

2023	<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>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	42.10	55.47	31.11	28.07	23.13	29.85						
NTAC	2.82	1.15	1.39	1.72	1.38	1.62						
Reserve	0.72	0.90	0.73	0.85	0.81	0.69						
Regulation	0.09	0.13	0.13	0.15	0.12	0.10						
NYISO Cost of Operations	0.77	0.77	0.77	0.78	0.78	0.78						
FERC Fee Recovery	0.08	0.09	0.09	0.10	0.10	0.09						
Uplift	(0.38)	(0.27)	(0.00)	(0.34)	(0.13)	0.09						
Uplift: Local Reliability Share	0.03	0.03	0.09	0.04	0.07	0.35						
Uplift: Statewide Share	(0.41)	(0.30)	(0.10)	(0.38)	(0.20)	(0.26)						
Voltage Support and Black Start	0.42	0.42	0.43	0.43	0.43	0.43						
Avg Monthly Cost	46.56	58.58	34.58	31.67	26.55	33.60						
Avg YTD Cost	46.64	52.36	46.65	43.45	40.45	39.27						
7.11g 112 000t	10.01	02.00	10.00	10.10	10.10	00.21						
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.00	0.08						
2022	<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>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	134.79	94.06	56.78	56.46	70.60	76.72	99.47	108.85	78.91	53.11	52.47	110.17
NTAC	1.43	0.95	1.48	1.17	2.46	2.07	3.65	1.69	1.44	3.21	3.91	2.23
Reserve	1.26	1.21	0.83	0.81	0.74	0.66	0.87	0.65	0.86	1.02	0.89	0.49
Regulation	0.27	0.19	0.17	0.12	0.40	0.45						0.42
NYISO Cost of Operations			0.17	0.12	0.13	0.15	0.12	0.13	0.18	0.18	0.15	0.12
	0.73	0.72	0.74	0.74	0.13 0.74	0.15 0.75	0.12 0.76	0.13 0.76	0.18 0.76	0.18 0.73	0.15 0.74	0.12
FERC Fee Recovery	0.73 0.07	0.72 0.08										
FERC Fee Recovery Uplift			0.74	0.74	0.74	0.75	0.76	0.76	0.76	0.73	0.74	0.73
•	0.07	0.08	0.74 0.09	0.74 0.10	0.74 0.09	0.75 0.08	0.76 0.06	0.76 0.06	0.76 0.09	0.73 0.10	0.74 0.09	0.73 0.08
Uplift	0.07 (1.50)	0.08 (1.73)	0.74 0.09 (0.09)	0.74 0.10 (0.36)	0.74 0.09 (0.05)	0.75 0.08 (0.61)	0.76 0.06 (1.58)	0.76 0.06 (1.91)	0.76 0.09 (0.78)	0.73 0.10 (0.45)	0.74 0.09 (0.68)	0.73 0.08 (0.77)
Uplift Uplift: Local Reliability Share	0.07 (1.50) 0.09	0.08 (1.73) 0.04	0.74 0.09 (0.09) 0.27	0.74 0.10 (0.36) 0.43	0.74 0.09 (0.05) 0.60	0.75 0.08 (0.61) 0.46	0.76 0.06 (1.58) 0.54	0.76 0.06 (1.91) 0.47	0.76 0.09 (0.78) 0.39	0.73 0.10 (0.45) 0.27	0.74 0.09 (0.68) 0.06	0.73 0.08 (0.77) 0.25
Uplift Uplift: Local Reliability Share Uplift: Statewide Share	0.07 (1.50) 0.09 (1.59)	0.08 (1.73) 0.04 (1.77)	0.74 0.09 (0.09) 0.27 (0.36)	0.74 0.10 (0.36) 0.43 (0.79)	0.74 0.09 (0.05) 0.60 (0.65)	0.75 0.08 (0.61) 0.46 (1.07)	0.76 0.06 (1.58) 0.54 (2.12)	0.76 0.06 (1.91) 0.47 (2.38)	0.76 0.09 (0.78) 0.39 (1.18)	0.73 0.10 (0.45) 0.27 (0.72)	0.74 0.09 (0.68) 0.06 (0.74)	0.73 0.08 (0.77) 0.25 (1.02)
Uplift Uplift: Local Reliability Share Uplift: Statewide Share Voltage Support and Black Start	0.07 (1.50) 0.09 (1.59) 0.42	0.08 (1.73) 0.04 (1.77) 0.41	0.74 0.09 (0.09) 0.27 (0.36) 0.43	0.74 0.10 (0.36) 0.43 (0.79) 0.43	0.74 0.09 (0.05) 0.60 (0.65) 0.43	0.75 0.08 (0.61) 0.46 (1.07) 0.43	0.76 0.06 (1.58) 0.54 (2.12) 0.43	0.76 0.06 (1.91) 0.47 (2.38) 0.43	0.76 0.09 (0.78) 0.39 (1.18) 0.44	0.73 0.10 (0.45) 0.27 (0.72) 0.42	0.74 0.09 (0.68) 0.06 (0.74) 0.42	0.73 0.08 (0.77) 0.25 (1.02) 0.42

^{*} Excludes ICAP payments. Market Mitigation and Analysis Prepared: 7/10/2023 3:15 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

<u>2023</u>	<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>	<u>October</u>	<u>November</u>	<u>December</u>
Day Ahead Market MWh	13,662,137	12,355,489	12,651,083	11,058,870	11,601,426	12,934,709						
DAM LSE Internal LBMP Energy Sales	55%	55%	56%	55%	55%	57%						
DAM External TC LBMP Energy Sales	7%	7%	4%	4%	4%	6%						
DAM Bilateral - Internal Bilaterals	28%	29%	30%	30%	31%	29%						
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	6%	6%	6%	6%						
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	2%						
DAM Bilateral - Wheel Through Bilaterals	3%	2%	2%	2%	2%	2%						
Balancing Energy Market MWh	328,840	397,488	420,170	303,381	-77,279	-40,037						
Balancing Energy LSE Internal LBMP Energy Sales	65%	38%	53%	43%	-157%	37%						
Balancing Energy External TC LBMP Energy Sales	68%	68%	58%	69%	223%	143%						
Balancing Energy Bilateral - Internal Bilaterals	2%	1%	2%	-1%	-5%	28%						
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	7%	0%						
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	7%	6%	6%	5%	10%	18%						
Balancing Energy Bilateral - Wheel Through Bilaterals	-43%	-13%	-18%	-16%	-178%	-326%						
Transactions Summary												
LBMP	63%	63%	62%	61%	60%	63%						
Internal Bilaterals	28%	28%	29%	29%	31%	29%						
Import Bilaterals	5%	5%	6%	6%	6%	6%						
Export Bilaterals	2%	2%	2%	3%	2%	2%						
Wheels Through	2%	1%	1%	2%	1%	0%						
Market Share of Total Load												
Day Ahead Market	97.6%	96.9%	96.8%	97.3%	100.7%	100.3%						
Balancing Energy +	2.4%	3.1%	3.2%	2.7%	-0.7%	-0.3%						
Total MWH	13,990,977	12,752,977	13,071,253		, ,	12,894,671						
Average Daily Energy Sendout/Month GWh	410	408	387	349	350	401						
2022	January	February	March	April	Mav	June	Julv	August	September	October	November	December
2022 Day Ahead Market MWh	<u>January</u> 14 327 101	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u> 12 945 740	<u>July</u> 15 905 937	<u>August</u>	September	October	November	<u>December</u>
Day Ahead Market MWh	14,327,101	12,477,485	12,137,757	10,992,578	12,176,102	12,945,740	15,905,937	15,770,210	12,467,212	11,527,745	11,952,855	13,768,799
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales	14,327,101 57%	12,477,485 56%	12,137,757 59%	10,992,578 56%	12,176,102 55%	12,945,740 60%	15,905,937 64%	15,770,210 63%	12,467,212 62%	11,527,745 58%	11,952,855 56%	13,768,799 56%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales	14,327,101 57% 7%	12,477,485 56% 8%	12,137,757 59% 3%	10,992,578 56% 5%	12,176,102 55% 6%	12,945,740 60% 3%	15,905,937 64% 3%	15,770,210 63% 3%	12,467,212 62% 2%	11,527,745 58% 3%	11,952,855 56% 4%	13,768,799 56% 6%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals	14,327,101 57% 7% 28%	12,477,485 56% 8% 28%	12,137,757 59% 3% 29%	10,992,578 56% 5% 31%	12,176,102 55% 6% 31%	12,945,740 60% 3% 29%	15,905,937 64% 3% 26%	15,770,210 63% 3% 26%	12,467,212 62% 2% 27%	11,527,745 58% 3% 30%	11,952,855 56% 4% 31%	13,768,799 56% 6% 29%
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	14,327,101 57% 7% 28% 4%	12,477,485 56% 8% 28% 4%	12,137,757 59% 3% 29% 4%	10,992,578 56% 5% 31% 5%	12,176,102 55% 6% 31% 4%	12,945,740 60% 3% 29% 4%	15,905,937 64% 3% 26% 4%	15,770,210 63% 3% 26% 5%	12,467,212 62% 2% 27% 6%	11,527,745 58% 3% 30% 5%	11,952,855 56% 4% 31% 5%	13,768,799 56% 6% 29% 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	14,327,101 57% 7% 28% 4% 2%	12,477,485 56% 8% 28% 4% 2%	12,137,757 59% 3% 29% 4% 2%	10,992,578 56% 5% 31% 5% 2%	12,176,102 55% 6% 31% 4% 2%	12,945,740 60% 3% 29% 4% 2%	15,905,937 64% 3% 26% 4% 1%	15,770,210 63% 3% 26% 5% 1%	12,467,212 62% 2% 27% 6% 2%	11,527,745 58% 3% 30% 5% 2%	11,952,855 56% 4% 31% 5% 2%	13,768,799 56% 6% 29% 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	14,327,101 57% 7% 28% 4% 2% 2%	12,477,485 56% 8% 28% 4% 2% 2%	12,137,757 59% 3% 29% 4% 2% 2%	10,992,578 56% 5% 31% 5% 2% 2%	12,176,102 55% 6% 31% 4% 2% 2%	12,945,740 60% 3% 29% 4% 2% 2%	15,905,937 64% 3% 26% 4% 1% 2%	15,770,210 63% 3% 26% 5% 1% 2%	12,467,212 62% 2% 27% 6% 2% 2%	11,527,745 58% 3% 30% 5% 2% 2%	11,952,855 56% 4% 31% 5% 2% 2%	13,768,799 56% 6% 29% 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 Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales	14,327,101 57% 7% 28% 4% 2% 2% 942,823 88%	12,477,485 56% 8% 28% 4% 2% 2% 742,449 83%	12,137,757 59% 3% 29% 4% 2% 2% 758,386 76%	10,992,578 56% 5% 31% 5% 2% 2% 772,666 60%	12,176,102 55% 6% 31% 4% 2% 2% 378,503 65%	12,945,740 60% 3% 29% 4% 2% 2% 464,231 66%	15,905,937 64% 3% 26% 4% 1% 2% 567,602 72%	15,770,210 63% 3% 26% 5% 1% 2% 785,464 86%	12,467,212 62% 2% 27% 6% 2% 2% 361,883 66%	11,527,745 58% 3% 30% 5% 2% 2% 379,932 45%	11,952,855 56% 4% 31% 5% 2% 2% 519,117 38%	13,768,799 56% 6% 29% 5% 2% 2% 528,939 45%
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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 Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	14,327,101 57% 7% 28% 4% 2% 2% 942,823 88% 16% 1% 0%	12,477,485 56% 8% 28% 4% 2% 2% 742,449 83% 19% 2% 0%	12,137,757 59% 3% 29% 4% 2% 2% 758,386 76% 24% 2% 0%	10,992,578 56% 5% 31% 5% 2% 2% 772,666 60% 33% 0% 0%	12,176,102 55% 6% 31% 4% 2% 2% 378,503 65% 32% 5% 2%	12,945,740 60% 3% 29% 4% 2% 2% 464,231 66% 36% 2% 2%	15,905,937 64% 3% 26% 4% 1% 2% 567,602 72% 23% 1% 2%	15,770,210 63% 3% 26% 5% 1% 2% 785,464 86% 14% 0% 0%	12,467,212 62% 2% 27% 6% 2% 2% 2% 361,883 66% 34% 1% 0%	11,527,745 58% 3% 30% 5% 2% 2% 2% 379,932 45% 55% 0% 0%	11,952,855 56% 4% 31% 5% 2% 2% 519,117 38% 58% 2% 0%	13,768,799 56% 6% 29% 5% 2% 2% 528,939 45% 56% 2% 0%
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 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	14,327,101 57% 7% 28% 4% 2% 2% 942,823 88% 16% 1% 0% 4%	12,477,485 56% 8% 28% 4% 2% 2% 742,449 83% 19% 2% 0% 9%	12,137,757 59% 3% 29% 4% 2% 2% 758,386 76% 24% 2% 0% 8%	10,992,578 56% 5% 31% 5% 2% 2% 772,666 60% 33% 0% 0% 7%	12,176,102 55% 6% 31% 4% 2% 2% 378,503 65% 32% 5% 2% 9%	12,945,740 60% 3% 29% 4% 2% 2% 464,231 66% 36% 2% 2% 8%	15,905,937 64% 3% 26% 4% 1% 2% 567,602 72% 23% 1% 2% 6%	15,770,210 63% 3% 26% 5% 1% 2% 785,464 86% 14% 0% 0% 3%	12,467,212 62% 2% 27% 6% 2% 2% 361,883 66% 34% 1% 0% 5%	11,527,745 58% 3% 30% 5% 2% 2% 379,932 45% 55% 0%	11,952,855 56% 4% 31% 5% 2% 2% 519,117 38% 58% 2% 0% 7%	13,768,799 56% 6% 29% 5% 2% 2% 528,939 45% 56% 2% 0% 5%
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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.

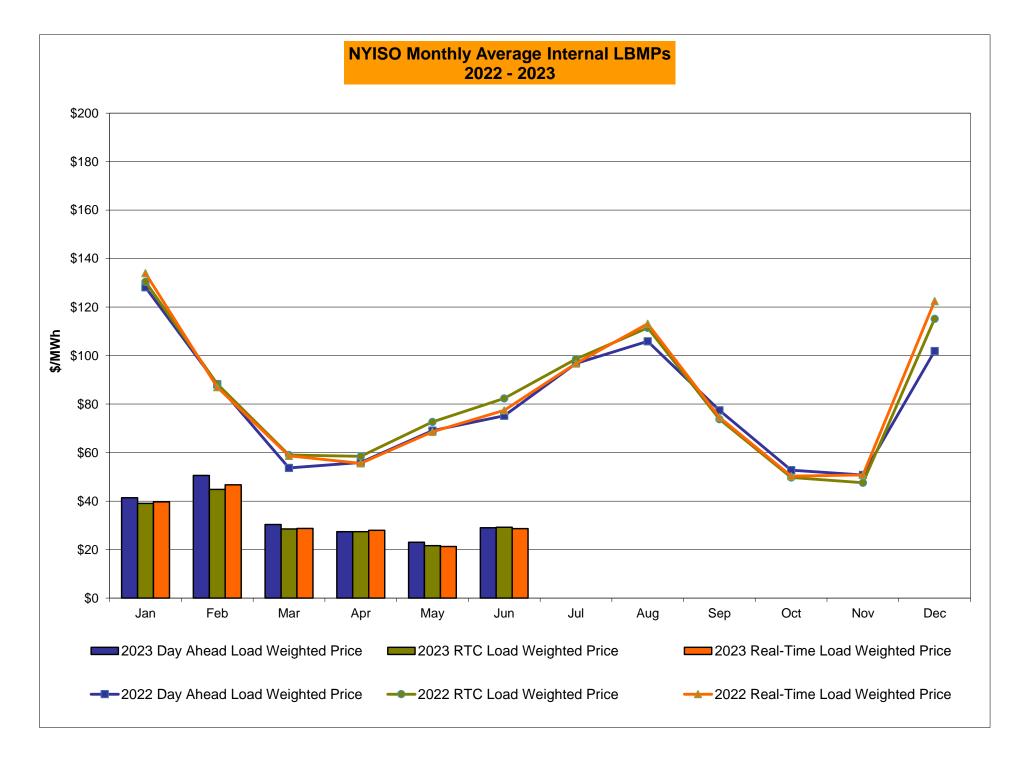
NYISO Markets 2023 Energy Statistics

	<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 *	\$40.60	\$47.82	\$29.84	\$26.91	\$22.41	\$27.67			
Standard Deviation	\$10.32	\$47.20	\$7.42	\$6.50	\$6.46	\$9.25			
Load Weighted Price **	\$41.37	\$50.55	\$30.37	\$27.38	\$23.02	\$28.99			
RTC LBMP									
Price *	\$38.28	\$42.67	\$28.02	\$26.93	\$21.13	\$27.94			
Standard Deviation	\$31.37	\$39.75	\$11.53	\$9.23	\$7.61	\$12.06			
Load Weighted Price **	\$39.04	\$44.80	\$28.49	\$27.39	\$21.62	\$29.24			
REAL TIME LBMP									
Price *	\$38.76	\$43.99	\$28.15	\$27.41	\$20.76	\$27.44			
Standard Deviation	\$45.06	\$43.54	\$15.02	\$13.08	\$9.13	\$12.38			
Load Weighted Price **	\$39.68	\$46.75	\$28.72	\$27.97	\$21.27	\$28.66			
Average Daily Energy Sendout/Month GWh	410	408	387	349	350	401			

NYISO Markets 2022 Energy Statistics

	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	<u>December</u>
DAY AHEAD LBMP	# 404.00	#05.00	ΦΕΟ 44	#55.00	# 00.44	Ф 7 0.40	# 00 40	# 400 7 4	Φ 7 4.00	054 77	# 40.00	# 00.00
Price *	\$124.39	\$85.98	\$52.41	\$55.23	\$66.11	\$72.43	\$90.42	\$100.71	\$74.23	\$51.77	\$49.08	\$98.20
Standard Deviation	\$51.94	\$39.56	\$18.64	\$11.05	\$21.60	\$19.84	\$40.00	\$33.52	\$22.13	\$11.85	\$20.31	\$64.21
Load Weighted Price **	\$128.16	\$88.17	\$53.69	\$55.96	\$69.05	\$75.15	\$96.74	\$105.93	\$77.41	\$52.79	\$50.77	\$101.90
RTC LBMP												
Price *	\$127.16	\$85.48	\$57.58	\$57.33	\$68.27	\$78.66	\$92.25	\$104.69	\$70.59	\$48.87	\$45.91	\$109.15
Standard Deviation	\$77.62	\$55.20	\$38.62	\$21.09	\$42.87	\$49.85	\$49.28	\$51.96	\$28.06	\$13.16	\$24.06	\$190.04
Load Weighted Price **	\$130.45	\$88.33	\$59.03	\$58.49	\$72.67	\$82.33	\$98.61	\$111.42	\$73.81	\$49.76	\$47.58	\$115.16
REAL TIME LBMP												
Price *	\$130.43	\$83.85	\$57.00	\$54.45	\$65.07	\$74.01	\$90.23	\$105.61	\$71.11	\$49.26	\$48.62	\$114.54
Standard Deviation	\$93.35	\$57.99	\$44.52	\$20.46	\$33.01	\$41.27	\$54.20	\$69.83	\$30.72	\$17.89	\$37.20	\$216.43
Load Weighted Price **	\$133.98	\$86.99	\$58.64	\$55.57	\$68.60	\$77.40	\$96.79	\$113.16	\$74.57	\$50.30	\$50.78	\$122.49
Average Daily Energy Sendout/Month GWh	451	429	390	359	372	422	509	514	411	359	382	421

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

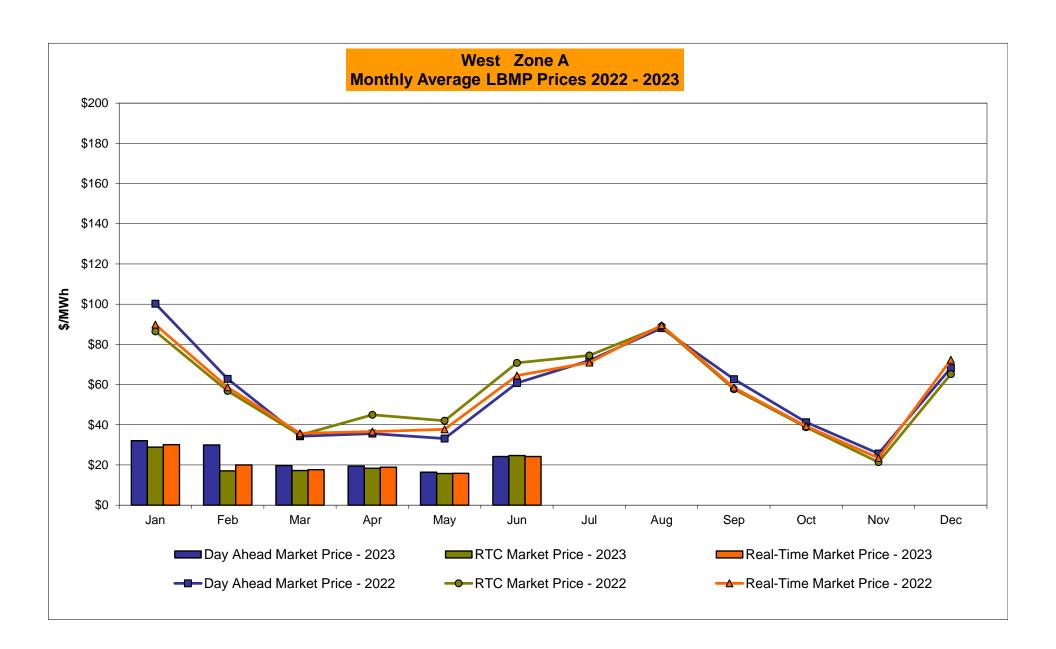


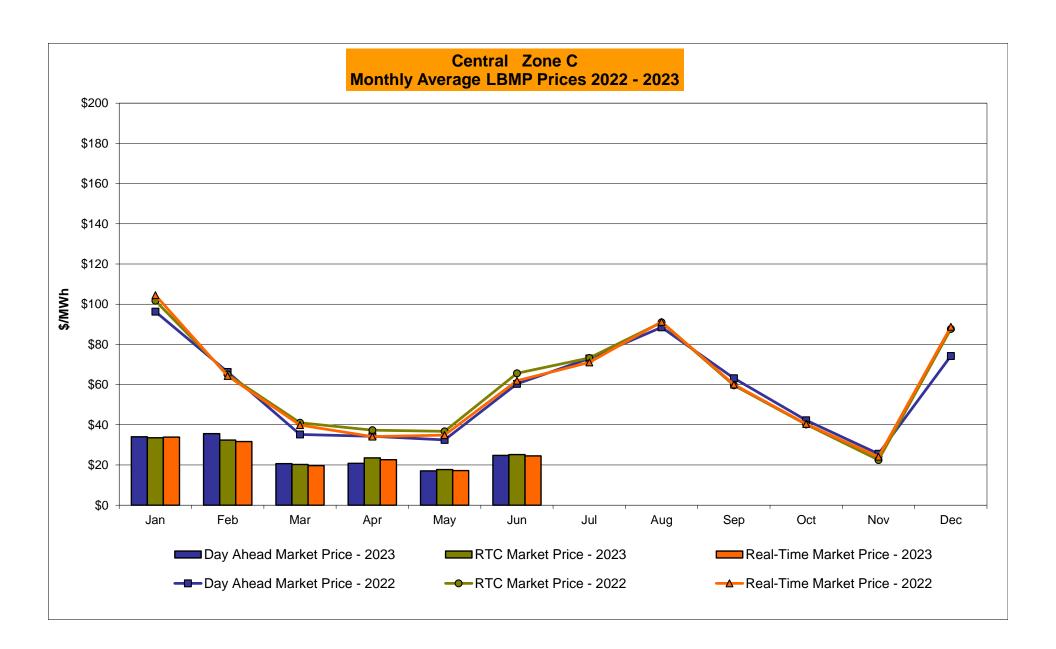
June 2023 Zonal LBMP Statistics for NYISO (\$/MWh)

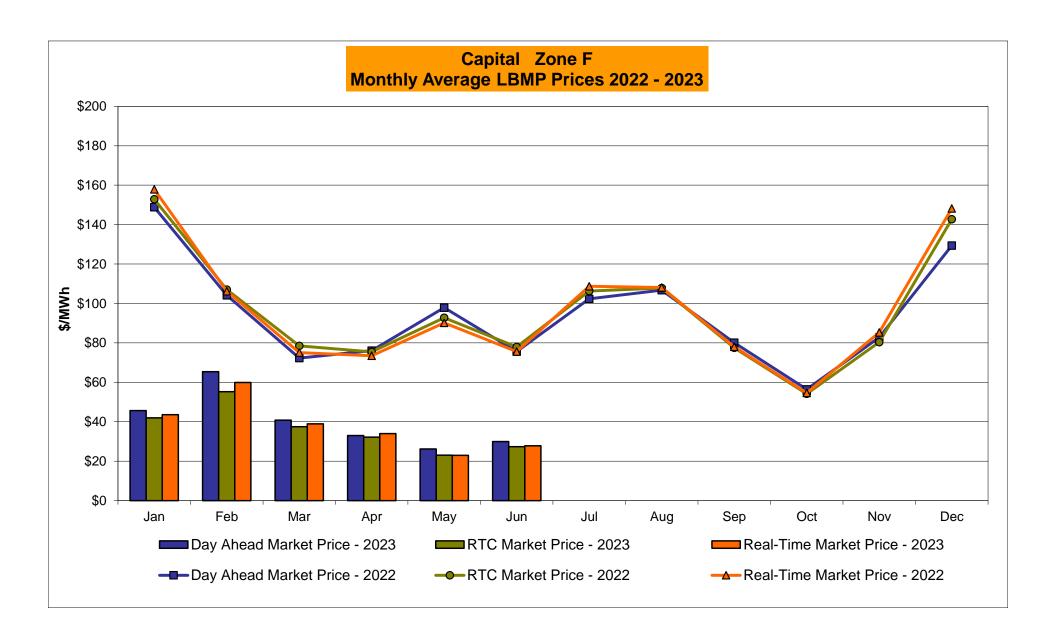
	WEST	GENESEE	NORTH	CENTRAL	MOHAWK VALLEY	CAPITAL	HUDSON VALLEY	MILLWOOD	DUNWOODIE	NEW YORK CITY	LONG ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP											
Unweighted Price *	24.23	24.22	23.87	24.74	25.49	30.00	27.52	27.67	27.79	27.98	32.76
Standard Deviation	7.04	7.03	6.84	7.30	7.58	14.62	9.32	9.37	9.37	9.45	12.78
RTC LBMP											
Unweighted Price *	24.67	24.67	24.86	25.22	25.86	27.36	26.73	27.07	27.10	27.24	37.12
Standard Deviation	9.21	9.21	9.24	9.26	9.39	12.93	10.13	10.43	10.25	10.24	42.54
REAL TIME LBMP											
Unweighted Price *	24.17	24.13	24.15	24.57	25.26	27.81	26.27	27.04	27.09	27.19	35.09
Standard Deviation	9.78	9.70	9.86	9.98	10.11	19.02	11.88	12.81	12.59	12.54	31.70
		HADDO	HADBO			CDOSS					
	ONTADIO	HYDRO	HYDRO		NEW	CROSS	NODTUDODT.				
	ONTARIO IESO	QUEBEC	QUEBEC	P.IM	NEW FNGI AND	SOUND	NORTHPORT-	NEPTUNE	I INDEN VET	HUDSON	Dennison
	ONTARIO IESO	QUEBEC		РЈМ	NEW ENGLAND	SOUND CABLE	NORWALK	NEPTUNE Controllable	LINDEN VFT	HUDSON Controllable	Dennison Controllable
		QUEBEC	QUEBEC	PJM <u>Zone P</u>		SOUND		NEPTUNE Controllable Line	LINDEN VFT Controllable Line	HUDSON Controllable Line	Dennison Controllable Line
DAY AHEAD LBMP	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	<u>Controllable</u>	Controllable
DAY AHEAD LBMP Unweighted Price *	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	<u>Controllable</u>	Controllable
·	IESO Zone O	QUEBEC (Wheel) Zone M	QUEBEC (Import/Export) Zone M	Zone P	ENGLAND Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
Unweighted Price *	Zone O 23.80	QUEBEC (Wheel) Zone M 23.77	QUEBEC (Import/Export) Zone M 23.77	Zone P 25.50	Zone N 29.48	SOUND CABLE Controllable Line	NORWALK Controllable Line 31.88	Controllable Line 30.79	Controllable Line 27.47	Controllable Line 27.79	Controllable Line 23.67
Unweighted Price * Standard Deviation	Zone O 23.80	QUEBEC (Wheel) Zone M 23.77	QUEBEC (Import/Export) Zone M 23.77	Zone P 25.50	Zone N 29.48	SOUND CABLE Controllable Line	NORWALK Controllable Line 31.88	Controllable Line 30.79	Controllable Line 27.47	Controllable Line 27.79	Controllable Line 23.67
Unweighted Price * Standard Deviation RTC LBMP	Zone O 23.80 7.01	QUEBEC (Wheel) Zone M 23.77 6.70	QUEBEC (Import/Export) Zone M 23.77 6.70	Zone P 25.50 7.86	Zone N 29.48 11.55	SOUND CABLE Controllable Line 33.08 14.33	NORWALK Controllable Line 31.88 11.72	Controllable Line 30.79 11.69	Controllable Line 27.47 9.07	Controllable Line 27.79 9.30	Controllable Line 23.67 6.70
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation REAL TIME LBMP	23.80 7.01 24.09 8.56	QUEBEC (Wheel) Zone M 23.77 6.70 24.64 8.35	QUEBEC (Import/Export) Zone M 23.77 6.70 24.64 8.35	Zone P 25.50 7.86 25.02 8.27	Zone N 29.48 11.55 32.27 25.12	SOUND CABLE Controllable Line 33.08 14.33 37.29 43.96	NORWALK Controllable Line 31.88 11.72 36.37 41.85	30.79 11.69 33.64 37.83	27.47 9.07 26.70 9.50	27.79 9.30 26.99 9.76	23.67 6.70 24.64 8.66
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	23.80 7.01	QUEBEC (Wheel) Zone M 23.77 6.70	QUEBEC (Import/Export) Zone M 23.77 6.70	Zone P 25.50 7.86	Zone N 29.48 11.55	SOUND CABLE Controllable Line 33.08 14.33	NORWALK Controllable Line 31.88 11.72	20.79 30.79 11.69	27.47 9.07	Controllable Line 27.79 9.30	23.67 6.70

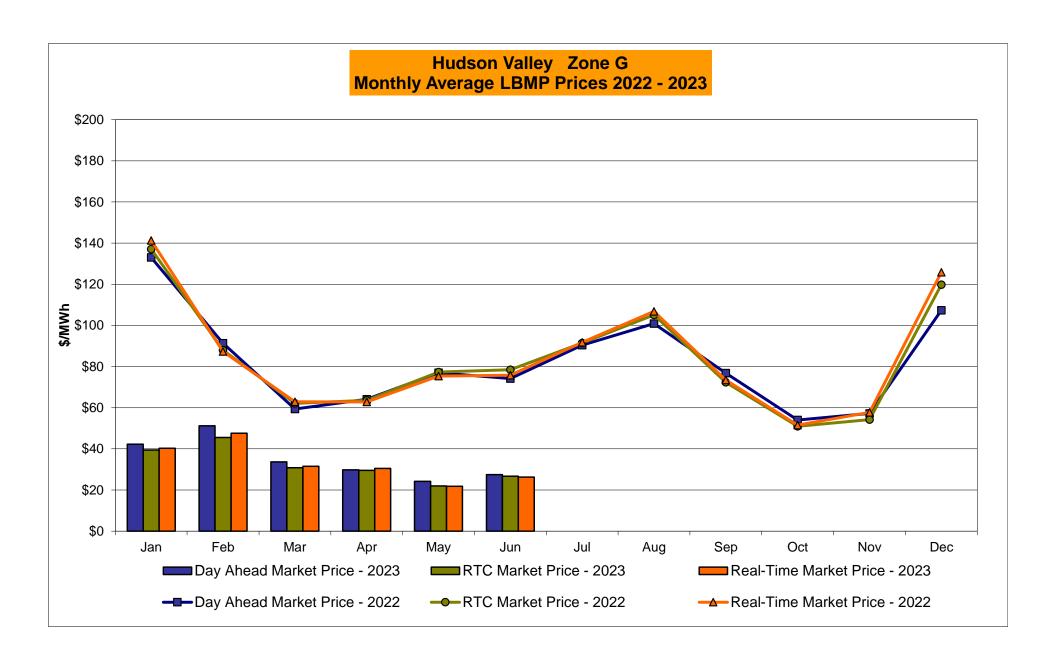
Market Mitigation and Analysis Prepared: 7/10/2023 3:11 PM

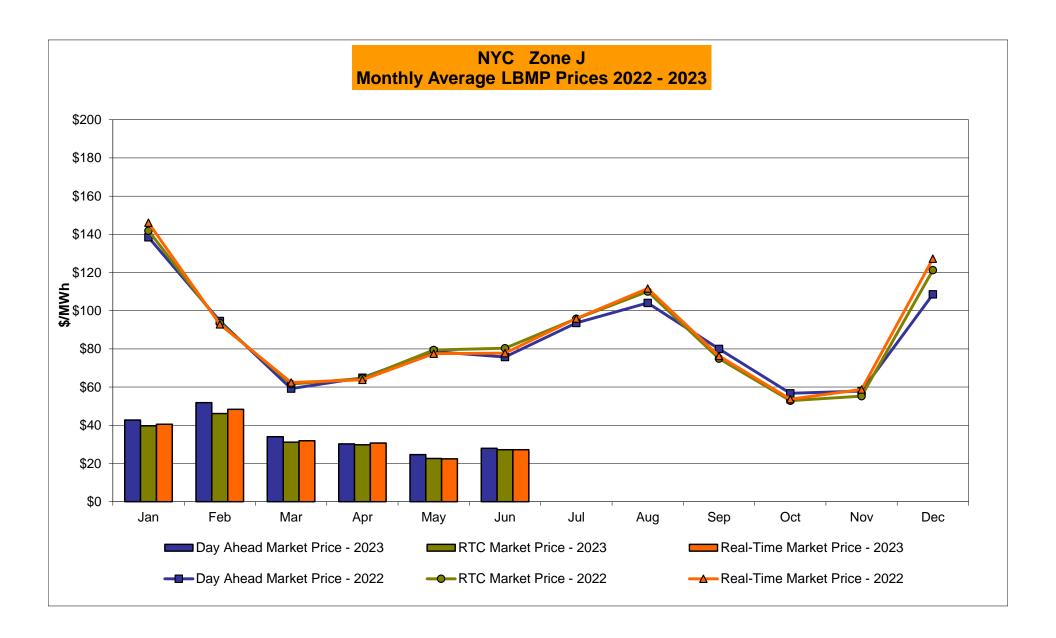
^{*} Straight LBMP averages

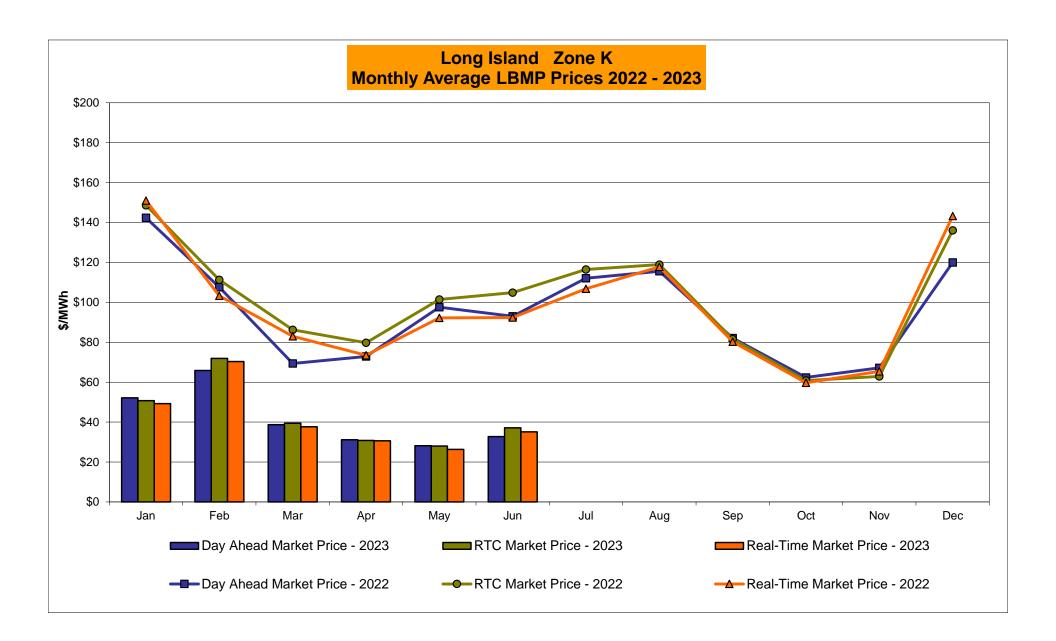


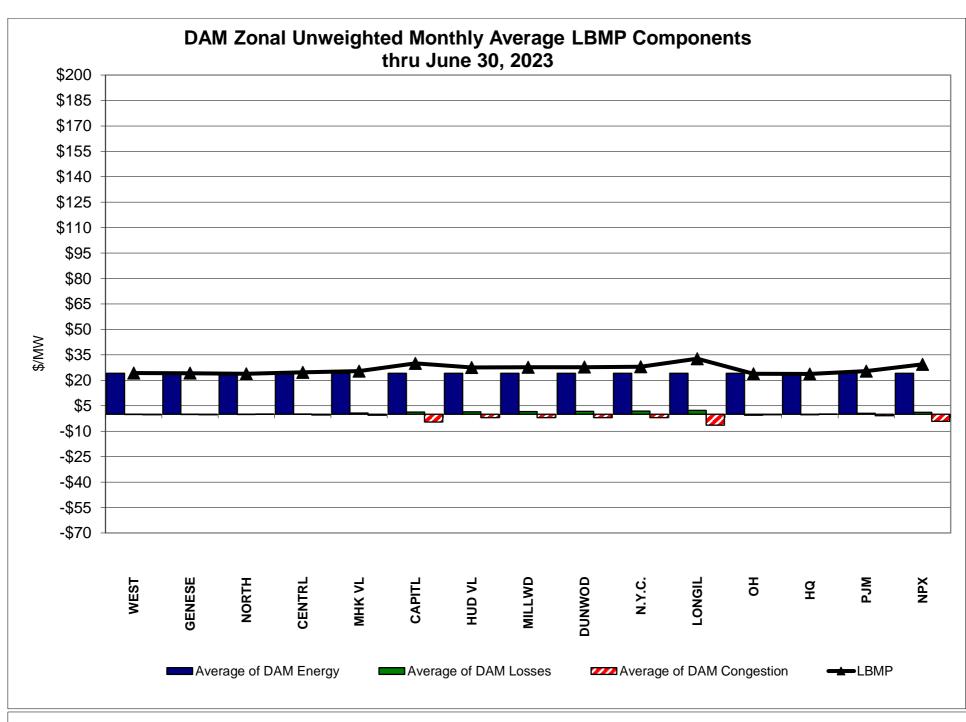


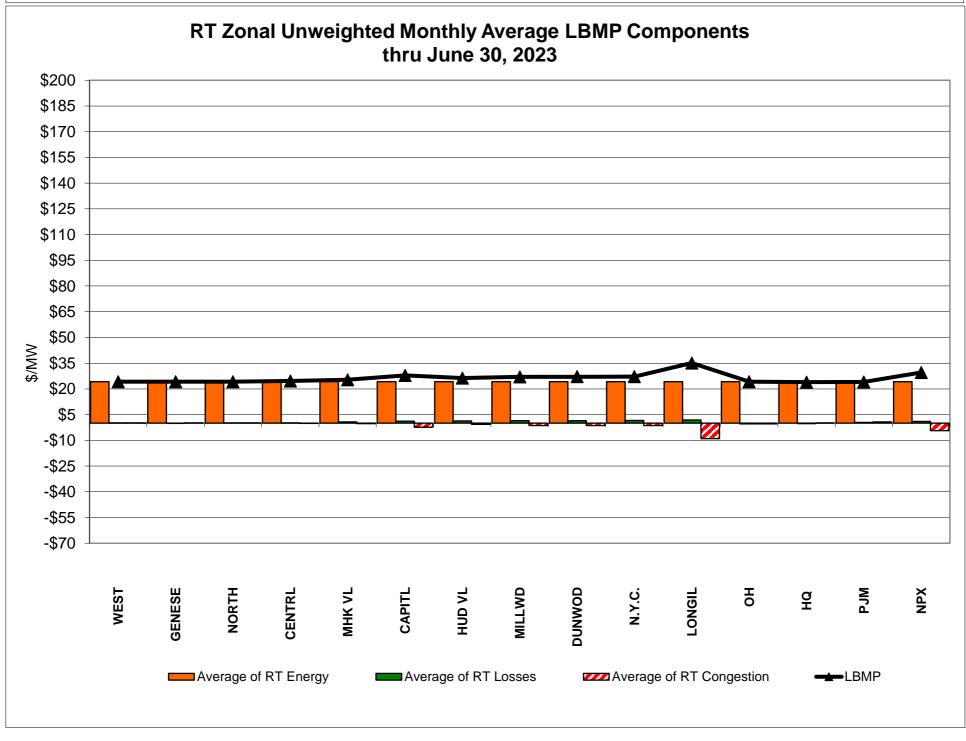




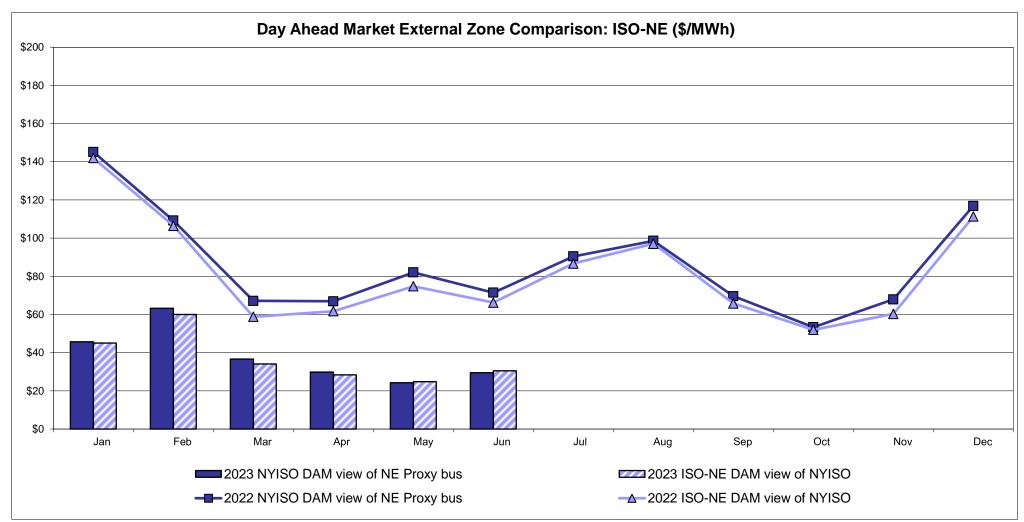


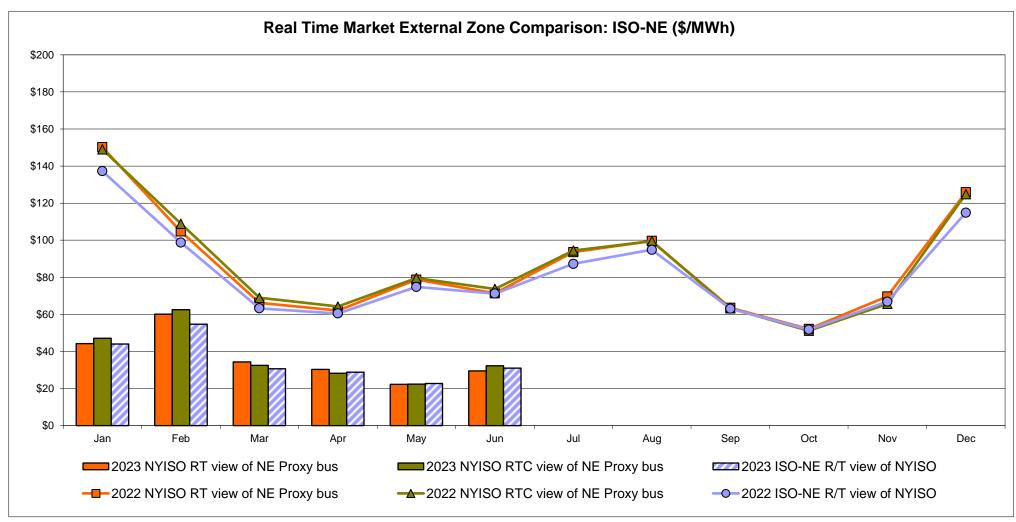




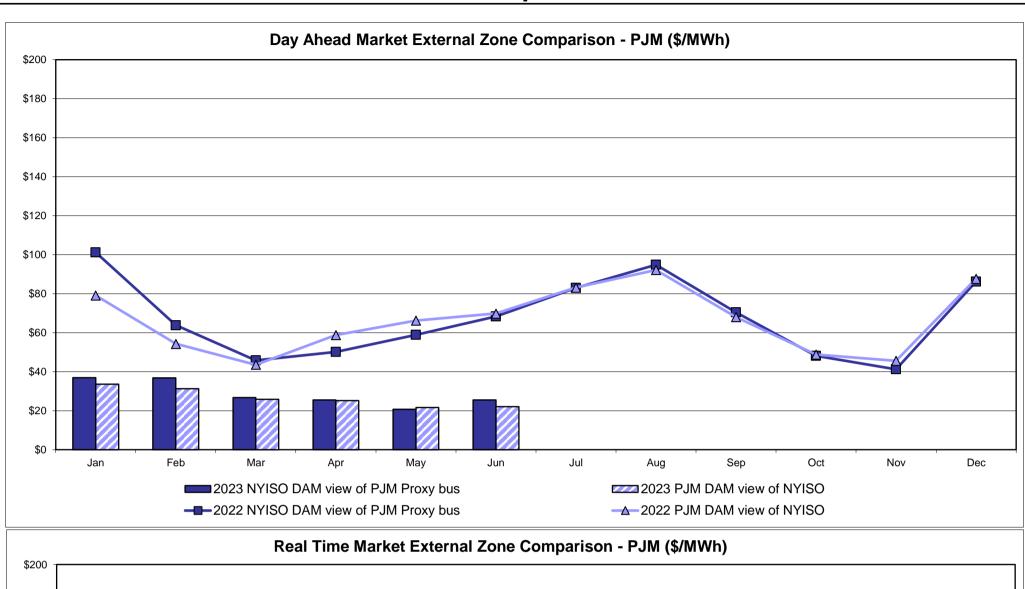


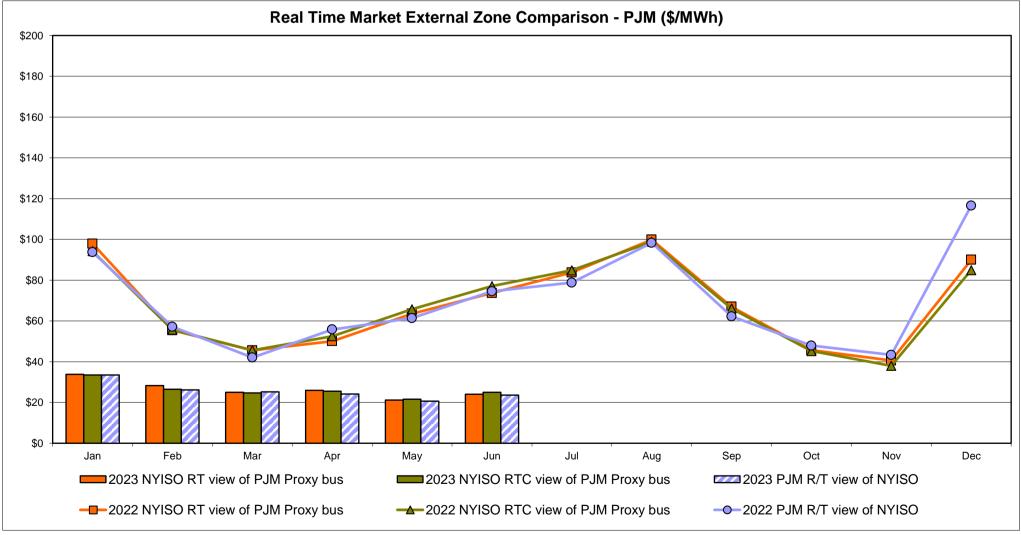
External Comparison ISO-New England



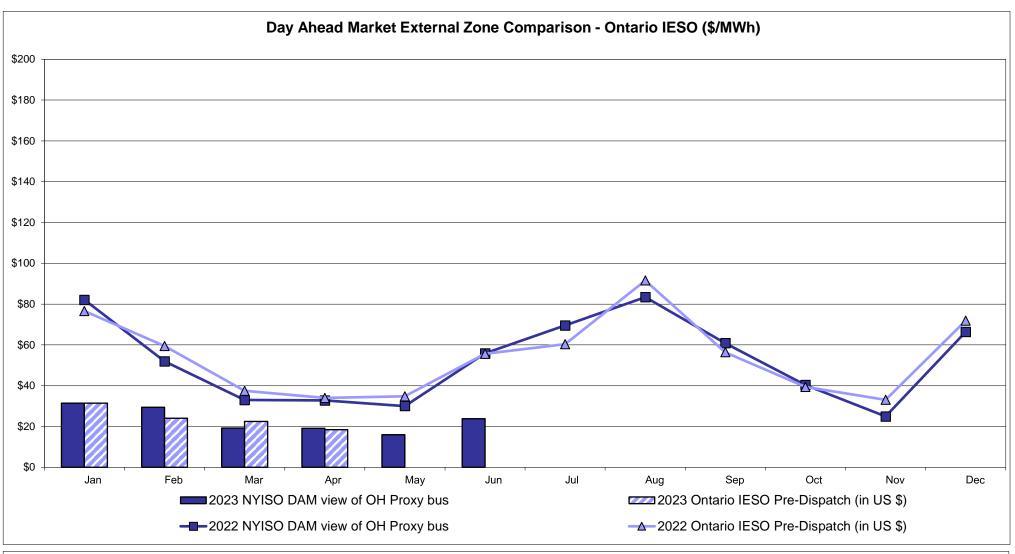


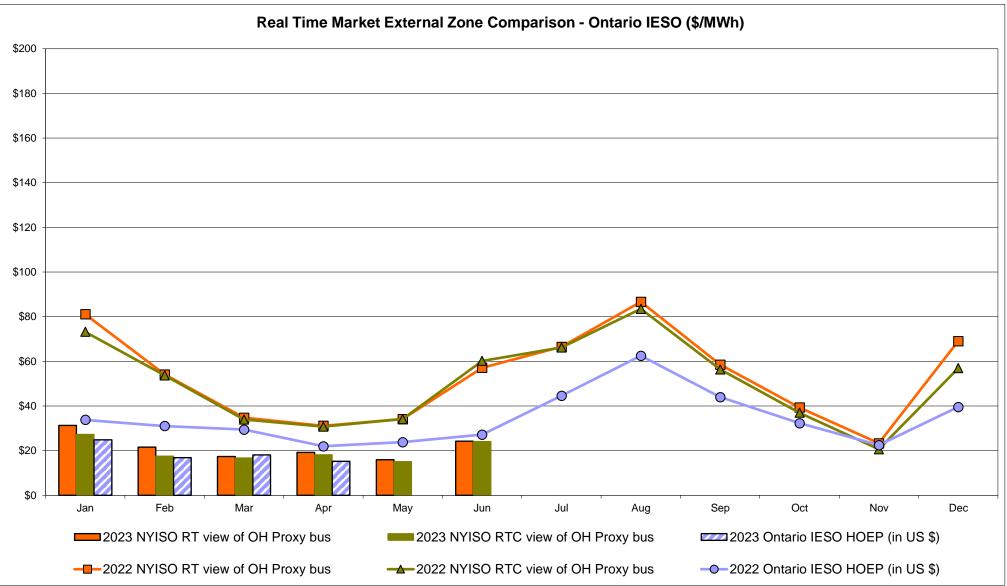
External Comparison PJM





External Comparison Ontario IESO

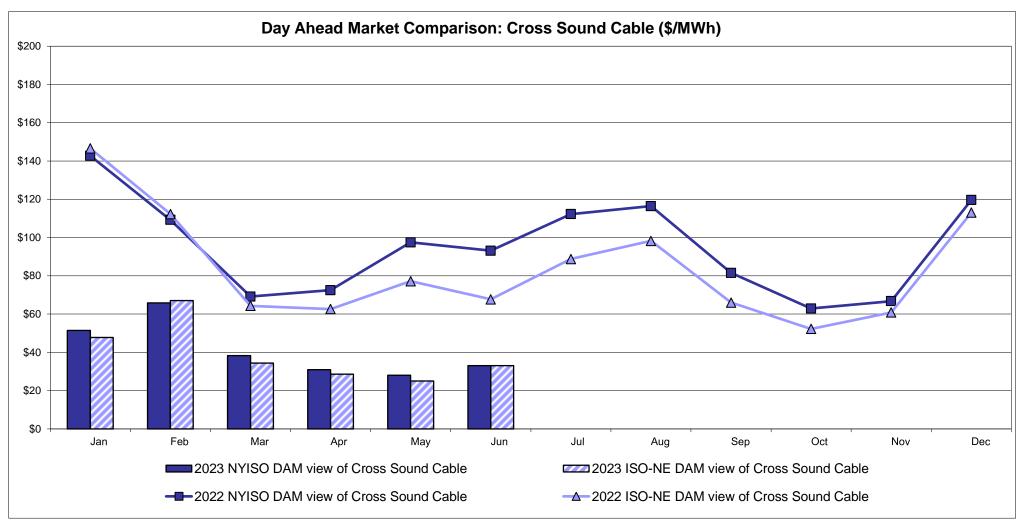


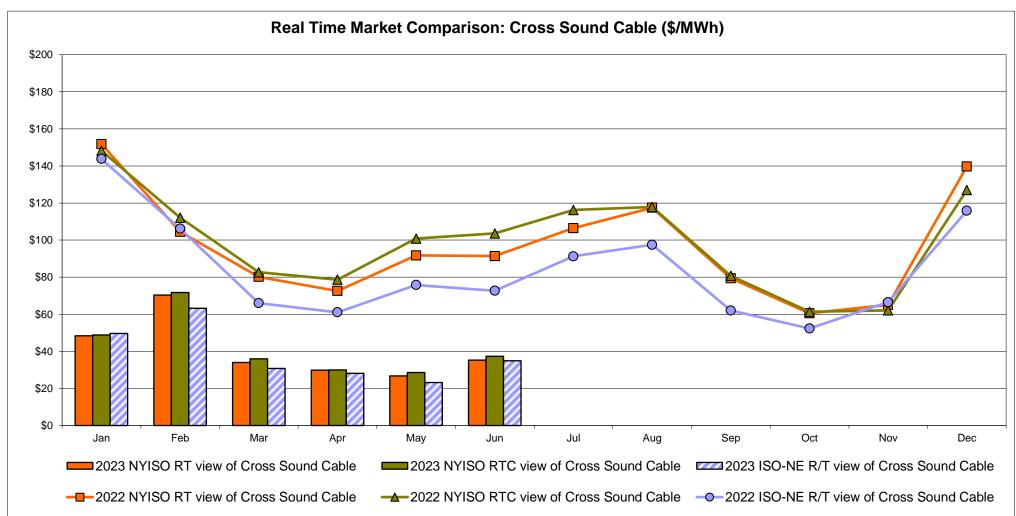


Notes: Exchange factor used for June 2023 was to US

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

External Controllable Line: Cross Sound Cable (New England)





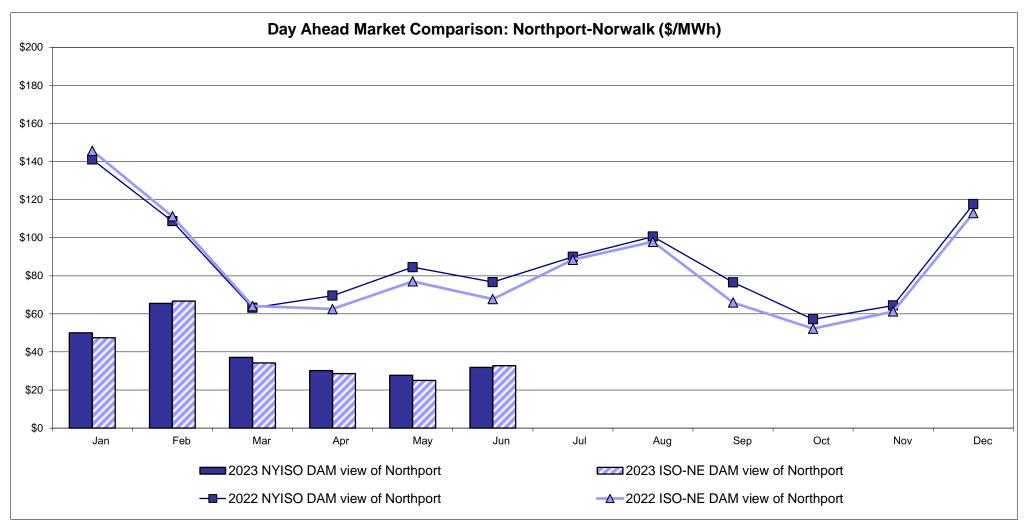
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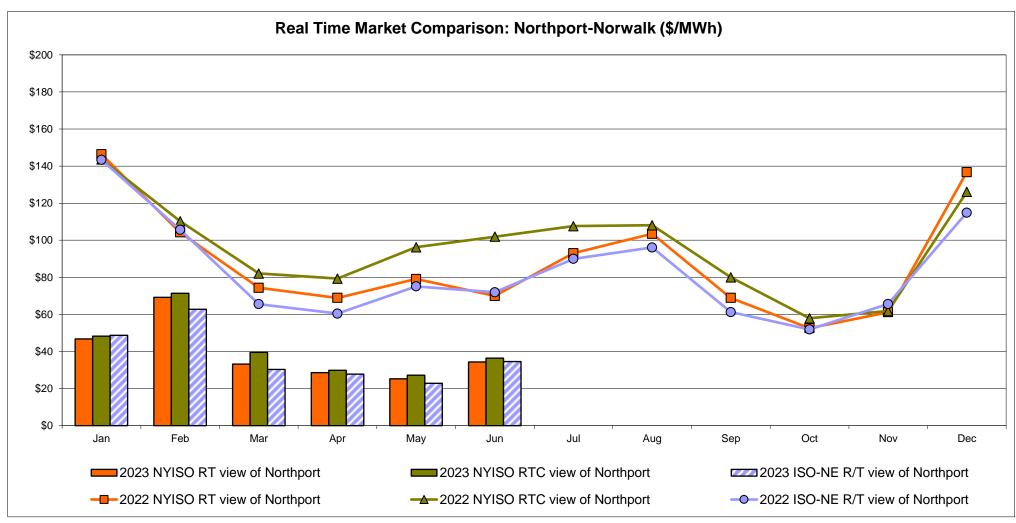
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)





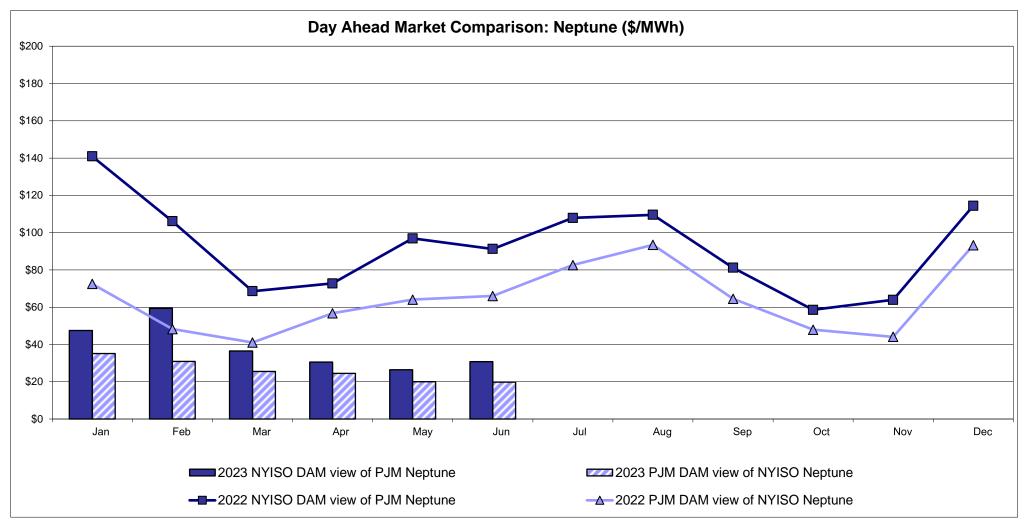
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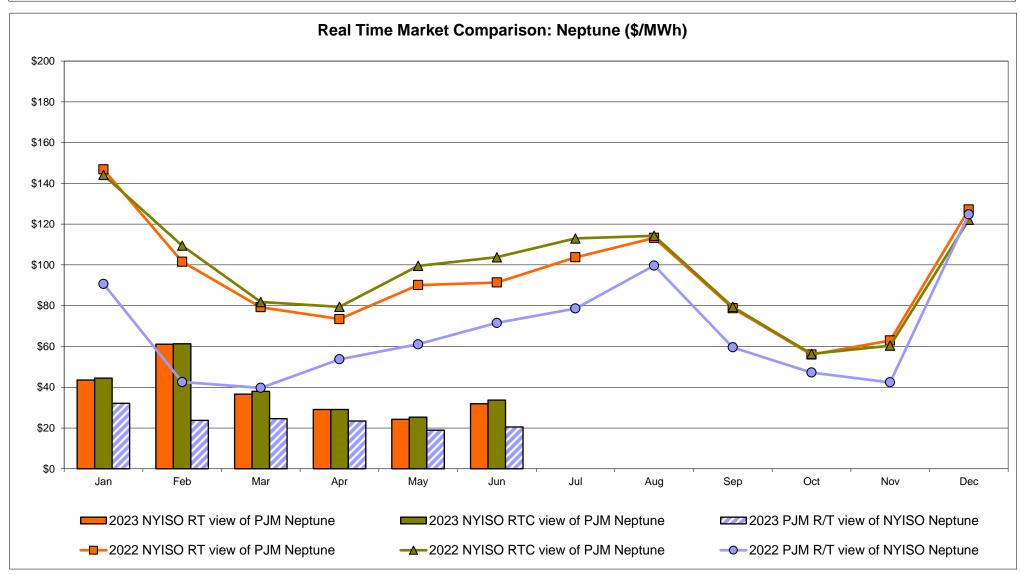
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

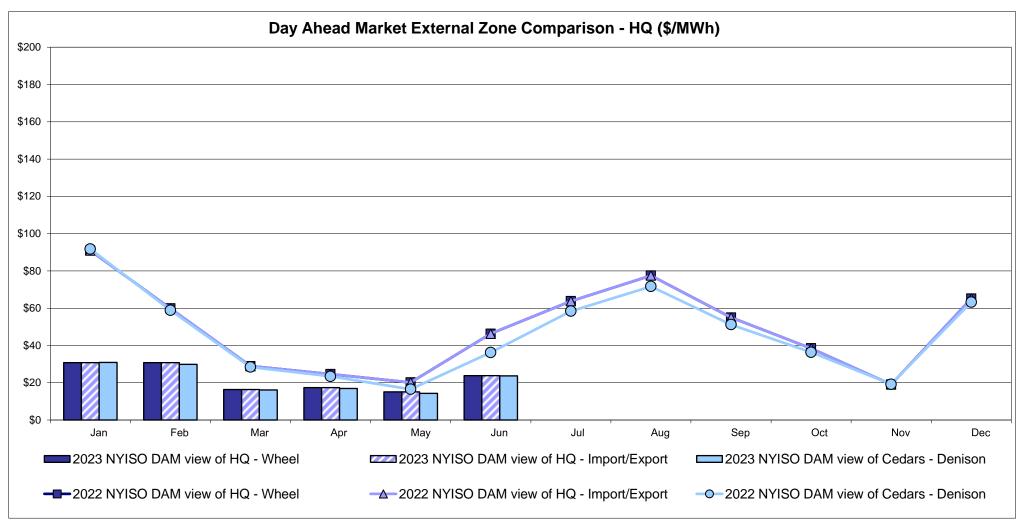
The DAM and R/T prices at the 1385 interface are used for NYISO.

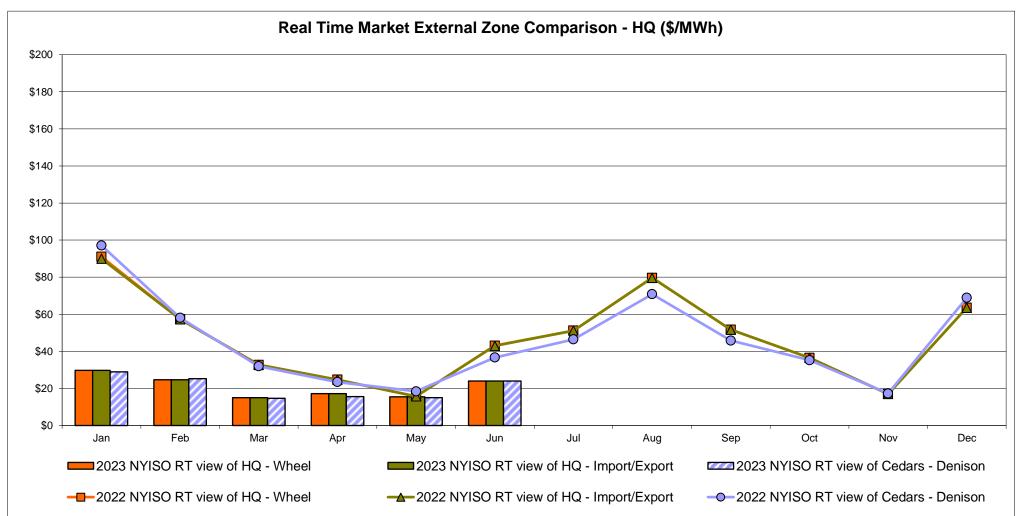
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

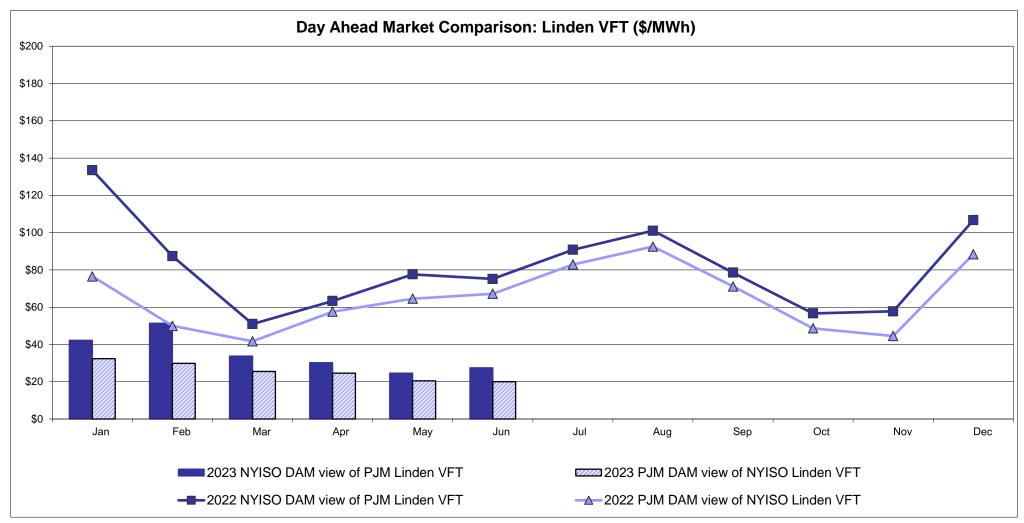


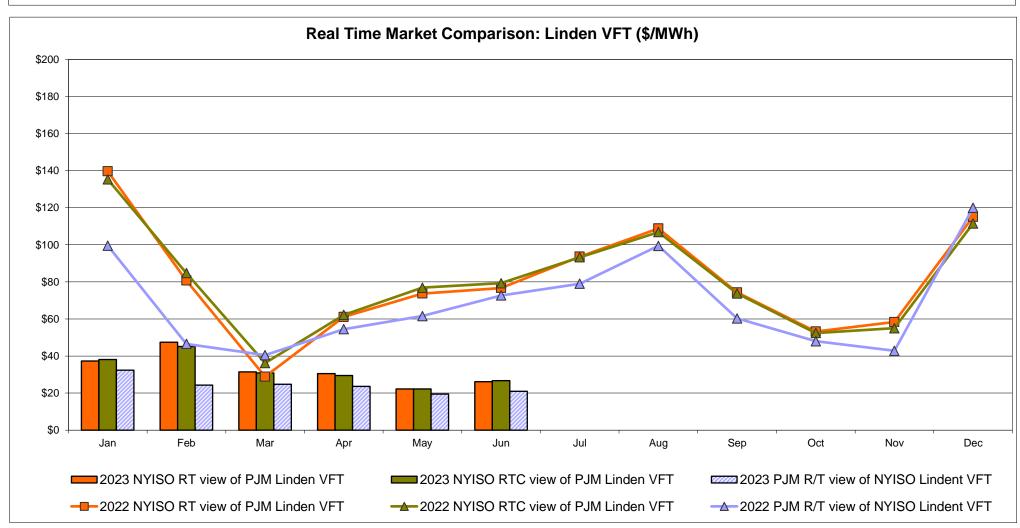


Note:

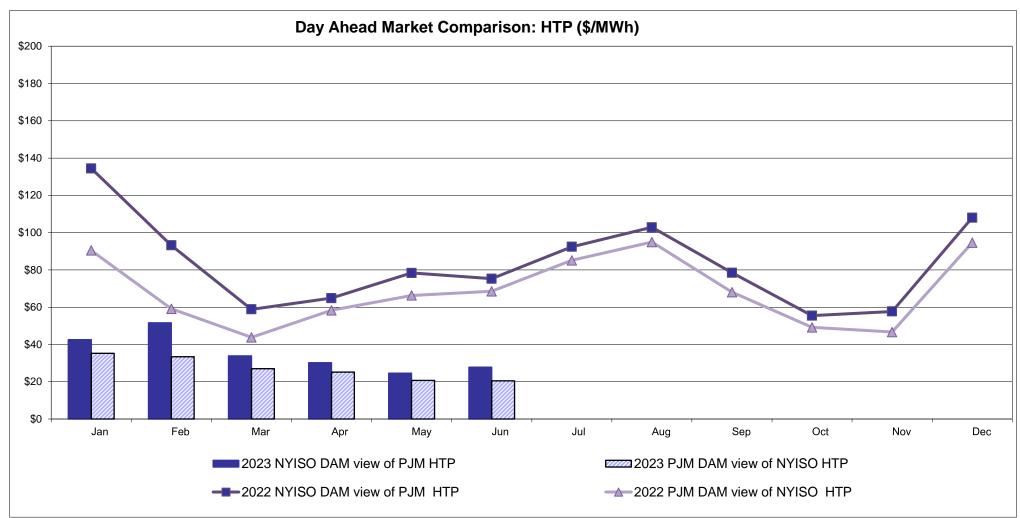
Hydro-Quebec Prices are unavailable.

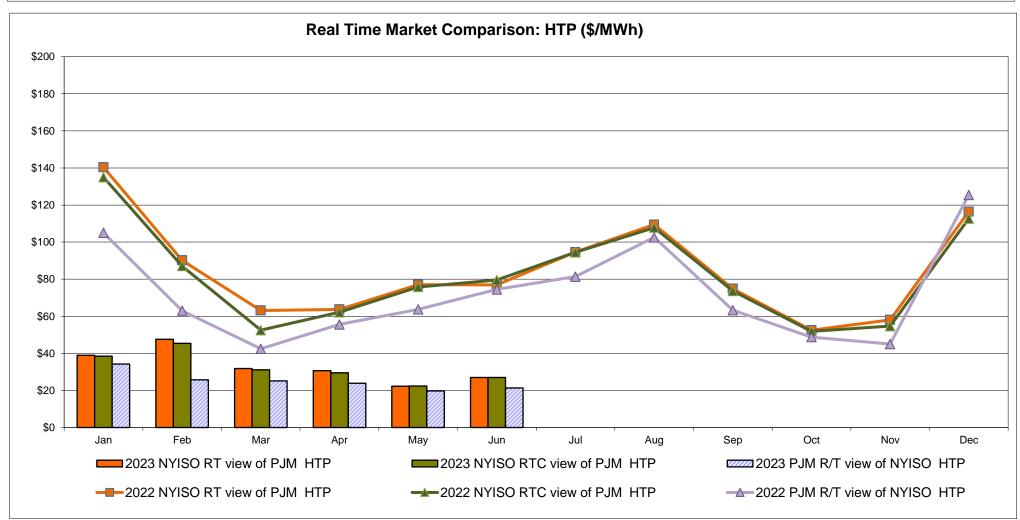
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)

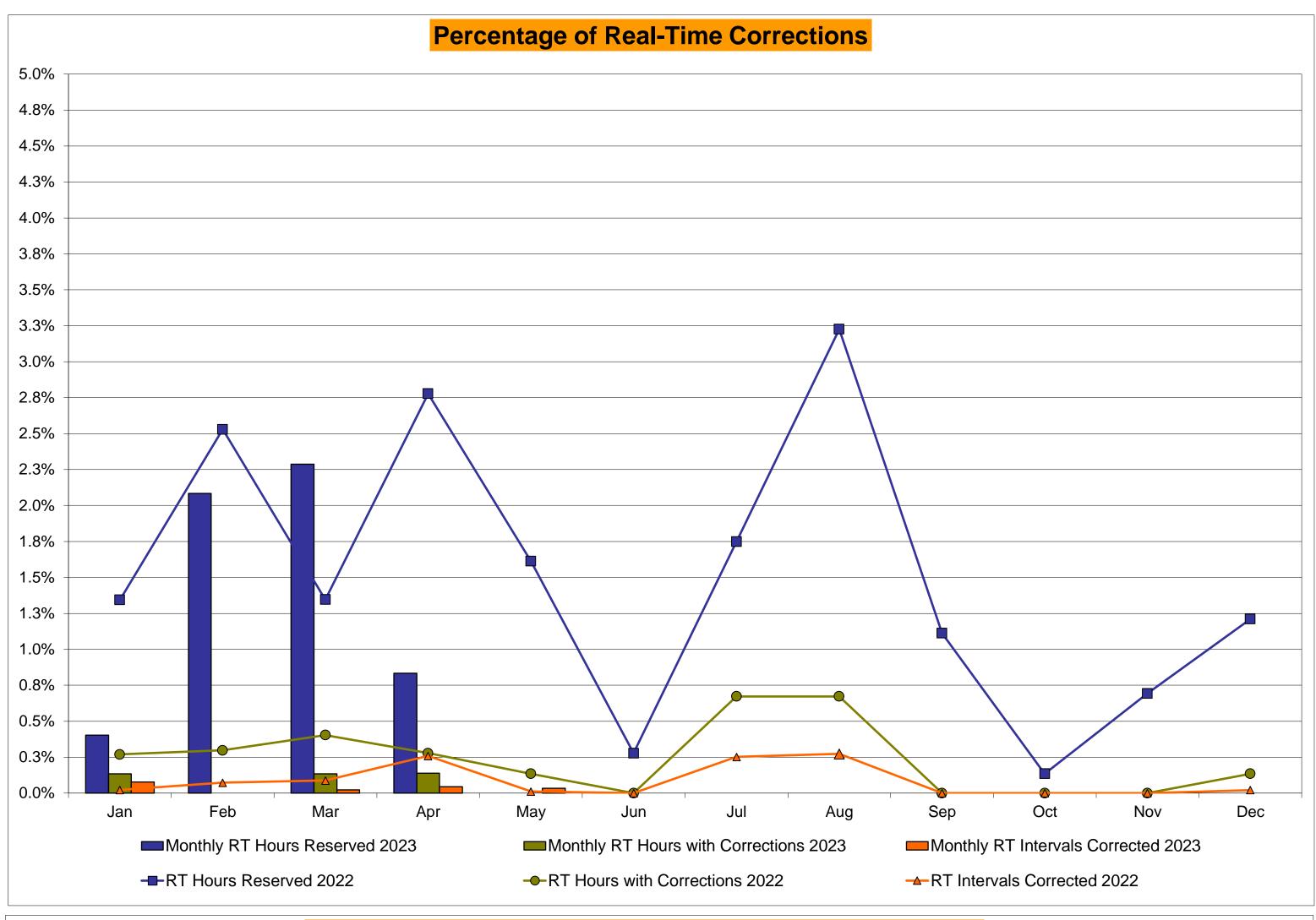




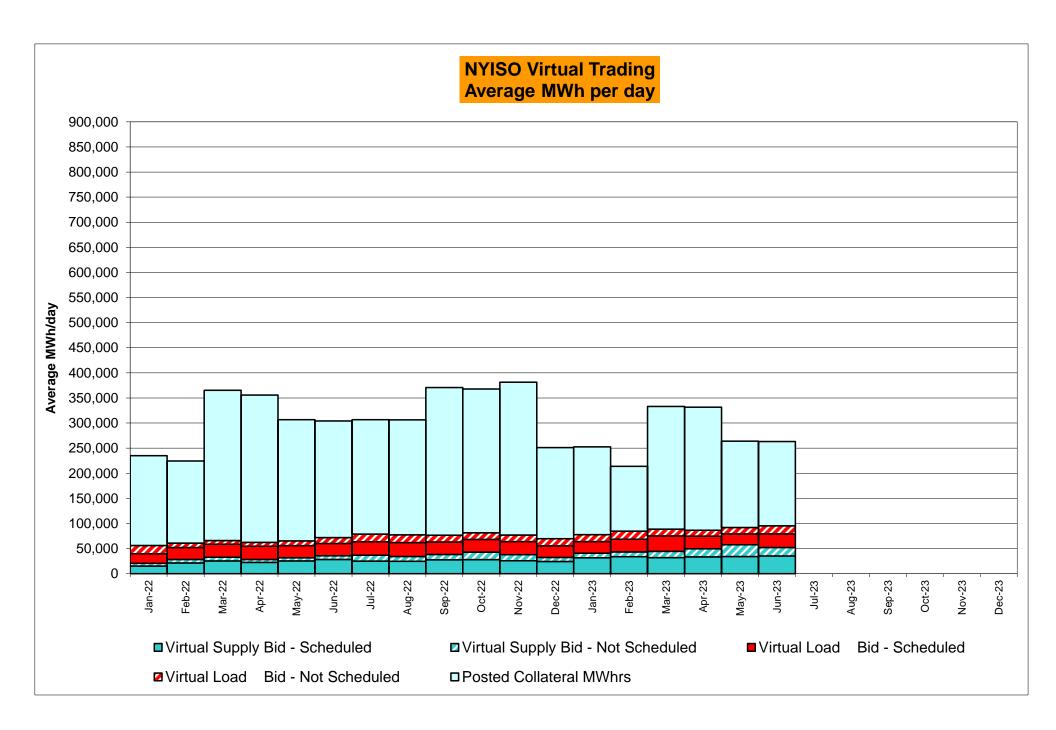
NYISO Real Time Price Correction Statistics

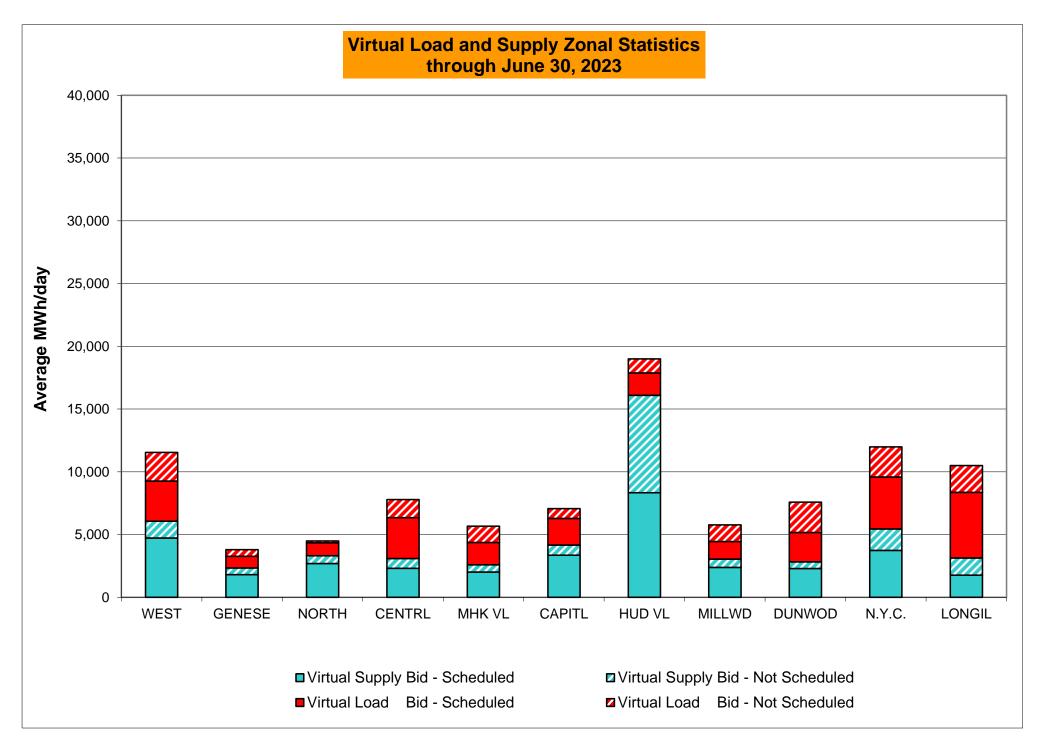
2023 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Number of hours with corrections	in the month	1	0	1	1	#N/A	#N/A						
Number of hours	in the month	744	672	743	720	744	720						
% of hours with corrections	in the month	0.13%	0.00%	0.13%	0.14%	#N/A	#N/A						
% of hours with corrections Interval Corrections	year-to-date	0.13%	0.07%	0.09%	0.10%	#N/A	#N/A						
Number of intervals corrected	in the month	7	0	0	4	2	0						
	in the month		0	2	4	3	0						
Number of intervals	in the month	9,082	8,373	9,171	8,890	9,160	4DIV/(01						
% of intervals corrected	in the month	0.08%	0.00%	0.02%	0.04%	0.03%	#DIV/0!						
% of intervals corrected	year-to-date	0.08%	0.04%	0.03%	0.04%	0.04%	0.04%						
Hours Reserved		_			_								
Number of hours reserved	in the month	3	14	17	6	#N/A	#N/A						
Number of hours	in the month	744	672	743	720	744	720						
% of hours reserved	in the month	0.40%	2.08%	2.29%	0.83%	#N/A	#N/A						
% of hours reserved	year-to-date	0.40%	1.20%	1.57%	1.39%	#N/A	#N/A						
Days to Correction *													·
Avg. number of days to correction	in the month	3.00	0.00	2.00	2.00	2.00	3.00						
Avg. number of days to correction	year-to-date	3.00	3.00	2.50	2.33	2.20	2.33						
Days Without Corrections													
Days without corrections	in the month	30	28	30	29	29	0						
Days without corrections	year-to-date	30	58	88	117	146	146						
2022		January	February	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
2022 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	<u>October</u>	November	<u>December</u>
	in the month	 -				<u>May</u> 1				September 0			<u>December</u>
Hour Corrections	in the month in the month	<u>January</u> 2 744	February 2 672	<u>March</u> 3 743	<u>April</u> 2 720	<u>May</u> 1 744	<u>June</u> 0 720	<u>July</u> 5 744	<u>August</u> 5 744		October 0 744	November 0 721	December 1 744
Hour Corrections Number of hours with corrections		2	2	3	2	1	0	5	5	0	0	0	1
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	2 744 0.27%	2 672 0.30%	3 743 0.40%	2 720 0.28%	1 744 0.13%	0 720 0.00%	5 744 0.67%	5 744 0.67%	0 720 0.00%	0 744 0.00%	0 721 0.00%	1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month	 2 744	2 672	3 743	2 720	1 744	0 720	5 744	5 744	0 720	0 744	0 721	1 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections	in the month in the month year-to-date	2 744 0.27% 0.27%	2 672 0.30% 0.28%	3 743 0.40% 0.32%	2 720 0.28% 0.31%	1 744 0.13%	0 720 0.00% 0.23%	5 744 0.67% 0.29%	5 744 0.67% 0.34%	0 720 0.00% 0.31%	0 744 0.00% 0.27%	0 721 0.00% 0.25%	1 744 0.13% 0.24%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month in the month	2 744 0.27% 0.27%	2 672 0.30% 0.28%	3 743 0.40%	2 720 0.28%	1 744 0.13%	0 720 0.00% 0.23%	5 744 0.67% 0.29%	5 744 0.67%	0 720 0.00%	0 744 0.00% 0.27%	0 721 0.00% 0.25%	1 744 0.13% <u>0.24%</u>
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%	2 672 0.30% 0.28%	3 743 0.40% 0.32%	2 720 0.28% 0.31%	1 744 0.13% 0.28%	0 720 0.00% 0.23%	5 744 0.67% 0.29%	5 744 0.67% 0.34%	0 720 0.00% 0.31%	0 744 0.00% 0.27%	0 721 0.00% 0.25%	1 744 0.13% 0.24%
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% 2 9,258 0.02%	2 672 0.30% 0.28% 6 8,338 0.07%	3 743 0.40% 0.32% 8 9,118 0.09%	2 720 0.28% 0.31% 23 8,908 0.26%	1 744 0.13% 0.28% 1 9,181 0.01%	0 720 0.00% 0.23% 0 8,864 0.00%	5 744 0.67% 0.29% 23 9,140 0.25%	5 744 0.67% 0.34% 25 9,145 0.27%	0 720 0.00% 0.31% 0 8,825 0.00%	0 744 0.00% 0.27% 0 9,097 0.00%	0 721 0.00% 0.25% 0 8,857 0.00%	1 744 0.13% 0.24% 2 9,317 0.02%
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	2 744 0.27% 0.27% 2 9,258	2 672 0.30% 0.28%	3 743 0.40% 0.32% 8 9,118	2 720 0.28% 0.31% 23 8,908	1 744 0.13% 0.28% 1 9,181	0 720 0.00% 0.23% 0 8,864	5 744 0.67% 0.29% 23 9,140	5 744 0.67% 0.34% 25 9,145	0 720 0.00% 0.31% 0 8,825	0 744 0.00% 0.27% 0 9,097	0 721 0.00% 0.25% 0 8,857	1 744 0.13% 0.24% 2 9,317
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% 2 9,258 0.02% 0.02%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11%	1 744 0.13% 0.28% 1 9,181 0.01% 0.09%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11%	0 744 0.00% 0.27% 0 9,097 0.00%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09%	1 744 0.13% 0.24% 2 9,317 0.02%
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 Wors 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% 2 9,258 0.02% 0.02%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11%	1 744 0.13% 0.28% 1 9,181 0.01% 0.09%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08%
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% 2 9,258 0.02% 0.02%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11%	1 744 0.13% 0.28% 1 9,181 0.01% 0.09%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744	0 720 0.00% 0.31% 0 8,825 0.00% 0.11%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08%
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% 2 9,258 0.02% 0.02% 10 744 1.34%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672 2.53%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743 1.35%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20 720 2.78%	1 744 0.13% 0.28% 1 9,181 0.01% 0.09% 12 744 1.61%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720 0.28%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744 1.75%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744 3.23%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8 720 1.11%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744 0.13%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721 0.69%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08% 9 744 1.21%
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 % 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	2 744 0.27% 0.27% 2 9,258 0.02% 0.02%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11%	1 744 0.13% 0.28% 1 9,181 0.01% 0.09%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744	0 720 0.00% 0.31% 0 8,825 0.00% 0.11%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08%
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 *	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% 2 9,258 0.02% 0.02% 10 744 1.34% 1.34%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672 2.53% 1.91%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743 1.35% 1.71%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20 720 2.78% 1.98%	1 744 0.13% 0.28% 1 9,181 0.01% 0.09% 12 744 1.61% 1.90%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720 0.28% 1.63%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744 1.75% 1.65%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744 3.23% 1.85%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8 720 1.11% 1.77%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744 0.13% 1.60%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721 0.69% 1.52%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08% 9 744 1.21% 1.50%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved % of hours reserved 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% 2 9,258 0.02% 0.02% 10 744 1.34% 1.34%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672 2.53% 1.91%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743 1.35% 1.71%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20 720 2.78% 1.98% 3.00	1 744 0.13% 0.28% 1 9,181 0.01% 0.09% 12 744 1.61% 1.90%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720 0.28% 1.63%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744 1.75% 1.65%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744 3.23% 1.85%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8 720 1.11% 1.77%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744 0.13% 1.60%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721 0.69% 1.52%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08% 9 744 1.21% 1.50%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved 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	2 744 0.27% 0.27% 2 9,258 0.02% 0.02% 10 744 1.34% 1.34%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672 2.53% 1.91%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743 1.35% 1.71%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20 720 2.78% 1.98%	1 744 0.13% 0.28% 1 9,181 0.01% 0.09% 12 744 1.61% 1.90%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720 0.28% 1.63%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744 1.75% 1.65%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744 3.23% 1.85%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8 720 1.11% 1.77%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744 0.13% 1.60%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721 0.69% 1.52%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08% 9 744 1.21% 1.50%
Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Mumber of intervals Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Mumber of hours reserved Number of hours reserved Number of hours % of hours reserved Days to Correction Avg. number of days to correction Avg. number of days to correction Days Without Corrections	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month year-to-date	2 744 0.27% 0.27% 2 9,258 0.02% 0.02% 10 744 1.34% 1.34% 3.00 3.00	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672 2.53% 1.91% 2.00 2.50	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743 1.35% 1.71% 2.50 2.50	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20 720 2.78% 1.98% 3.00 2.60	1 744 0.13% 0.28% 1 9,181 0.01% 0.09% 12 744 1.61% 1.90% 2.00 2.50	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720 0.28% 1.63% 0.00 2.50	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744 1.75% 1.65% 2.67 2.56	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744 3.23% 1.85% 2.75 2.62	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8 720 1.11% 1.77% 0.00 2.62	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744 0.13% 1.60% 0.00 2.62	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721 0.69% 1.52% 0.00 2.62	1 744 0.13% 0.24% 2 9,317 0.02% 0.08% 9 744 1.21% 1.50% 3.00 2.64
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 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% 2 9,258 0.02% 0.02% 10 744 1.34% 1.34%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672 2.53% 1.91%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743 1.35% 1.71%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20 720 2.78% 1.98% 3.00	1 744 0.13% 0.28% 1 9,181 0.01% 0.09% 12 744 1.61% 1.90%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720 0.28% 1.63%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744 1.75% 1.65%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744 3.23% 1.85%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8 720 1.11% 1.77%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744 0.13% 1.60%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721 0.69% 1.52%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08% 9 744 1.21% 1.50%

^{*}Calendar days from reservation date; for June 2018 forward, business days from market date









Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2023 Virtual Load Bid **Virtual Supply Bid Virtual Load Bid Virtual Supply Bid** Virtual Load Bid **Virtual Supply Bid** Not Not Not Not Not Not Date Scheduled Scheduled Scheduled Scheduled Date Scheduled Scheduled Scheduled Scheduled Date Scheduled Scheduled Scheduled Scheduled Zone Zone Zone MHK VL DUNWOD **WEST** 1,026 Jan-23 3,364 1,605 5,555 Jan-23 1,312 1,038 1,590 558 Jan-23 862 1,623 1,884 319 Feb-23 2,266 1,863 6,652 1,270 Feb-23 1,146 1,395 2,484 436 Feb-23 1,366 1,793 2,082 408 Mar-23 3.318 1,373 5,353 2,062 Mar-23 1,815 829 1,488 1,135 Mar-23 2,505 1,556 2,093 670 2,407 1,561 5,939 1,245 1,182 841 1,556 450 Apr-23 1,941 1,615 1,682 633 Apr-23 Apr-23 2,365 May-23 May-23 2,572 1,636 3,868 1,941 May-23 1,165 1,312 567 1,434 1,391 2,719 680 Jun-23 3,187 2,289 4,717 1,351 Jun-23 1,774 1,301 2,009 585 Jun-23 2,342 2,422 2,299 522 Jul-23 Jul-23 Jul-23 Aug-23 Aug-23 Aug-23 Sep-23 Sep-23 Sep-23 Oct-23 Oct-23 Oct-23 Nov-23 Nov-23 Nov-23 Dec-23 Dec-23 Dec-23 GENESE 1,005 CAPITL N.Y.C. Jan-23 469 1,438 255 Jan-23 1,762 834 1,824 917 Jan-23 2,674 2,287 4,516 977 Feb-23 1,136 523 1.480 586 Feb-23 1.902 1,166 2.655 729 Feb-23 2,663 2.398 3.564 1,126 Mar-23 835 495 1,562 905 Mar-23 3,256 594 Mar-23 2,230 4,646 1,121 1,595 2,454 2,393 Apr-23 982 746 1,817 584 Apr-23 2,509 2,303 695 Apr-23 1,683 3,490 960 2,032 1,100 May-23 721 408 1,807 568 May-23 1,691 681 2,810 736 May-23 2,063 2,034 4,284 1,488 Jun-23 933 520 1,811 529 Jun-23 2.121 783 3,359 808 Jun-23 4,139 2,409 3.742 1,700 Jul-23 Jul-23 Jul-23 Aug-23 Aug-23 Aug-23 Sep-23 Sep-23 Sep-23 Oct-23 Oct-23 Oct-23 Nov-23 Nov-23 Nov-23 Dec-23 Dec-23 Dec-23 NORTH HUD VL LONGIL 2,370 Jan-23 1,246 284 2.910 1,072 Jan-23 835 1,168 5,672 1,513 Jan-23 4,119 2,358 1,687 Feb-23 1,111 302 2,854 1,432 Feb-23 Feb-23 4,408 2,440 2,494 1,335 1,484 5,382 1,297 1,130 Mar-23 789 383 3,605 1,395 Mar-23 2,224 1,049 5,815 1,357 Mar-23 5,725 1,753 1,778 1,029 8,301 332 896 846 7,864 1,401 2,087 746 Apr-23 615 3,338 854 Apr-23 Apr-23 4,436 938 184 2,274 964 937 7,383 13,585 3,608 2,640 1,073 May-23 May-23 1,119 May-23 1,817 Jun-23 1,032 148 7,759 Jun-23 2,685 629 Jun-23 1,784 1,120 8,337 5,238 2,124 1,770 1,359 Jul-23 Jul-23 Jul-23 Aug-23 Aug-23 Aug-23 Sep-23 Sep-23 Sep-23 Oct-23 Oct-23 Oct-23 Nov-23 Nov-23 Nov-23 Dec-23 Dec-23 Dec-23

CENTRL

Jan-23

Feb-23

Mar-23

Apr-23

May-23

Jun-23

Jul-23

Aug-23

Sep-23

Oct-23

Nov-23

Dec-23

5,294

6,851

6,340

6.824

5,246

3,257

1,193

1,526

843

914

1,357

1,442

1,715

2,219

1,355

1,546

1,858

2,305

563

703

1,520

855

830

784

MILLWD

Jan-23

Feb-23

Mar-23

Apr-23

May-23

Jun-23

Jul-23

Aug-23

Sep-23

Oct-23

Nov-23

Dec-23

649

888

1,616

1.564

1,392

995

1,103

1,228

992

853

1,119

1,329

2,019

2,021

1,938

1,566

2,250

2,385

278

434

736

831

784

667

NYISO

Jan-23

Feb-23

Mar-23

Apr-23

May-23

Jun-23

Jul-23

Aug-23

Sep-23 Oct-23

Nov-23

Dec-23

23,122

25,071

30,654

25,387

21,553

27,199

13,963

16,118

13,262

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12,874

15,886

31,494

33,885

32,086

33,625

34,260

35,419

9,165

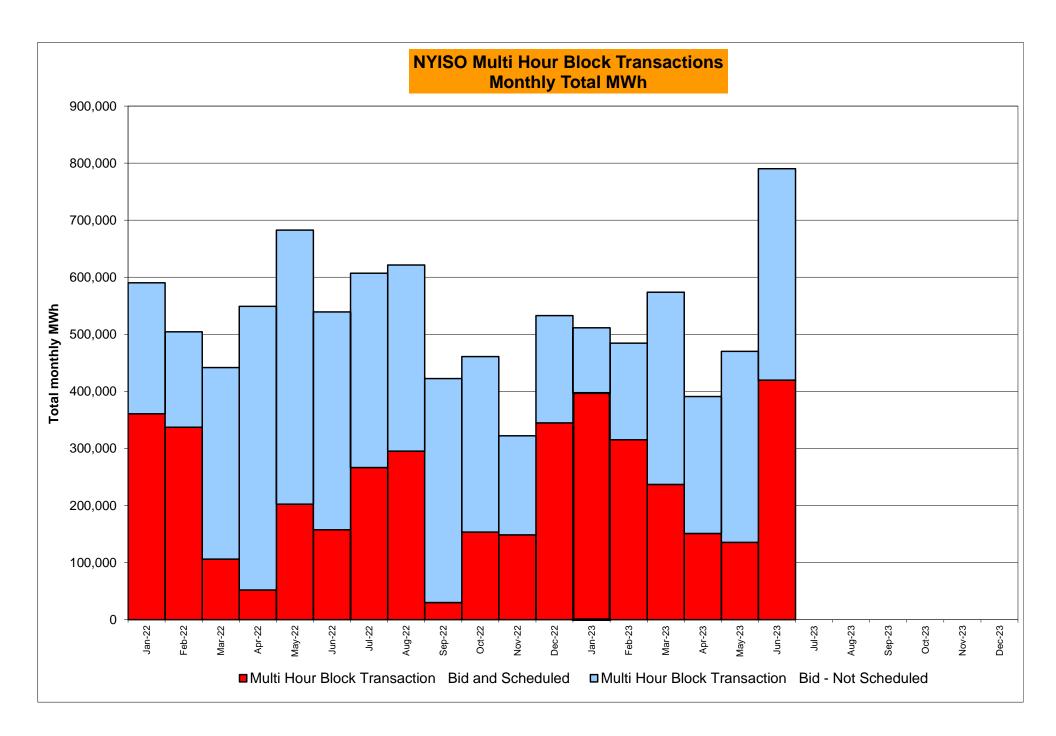
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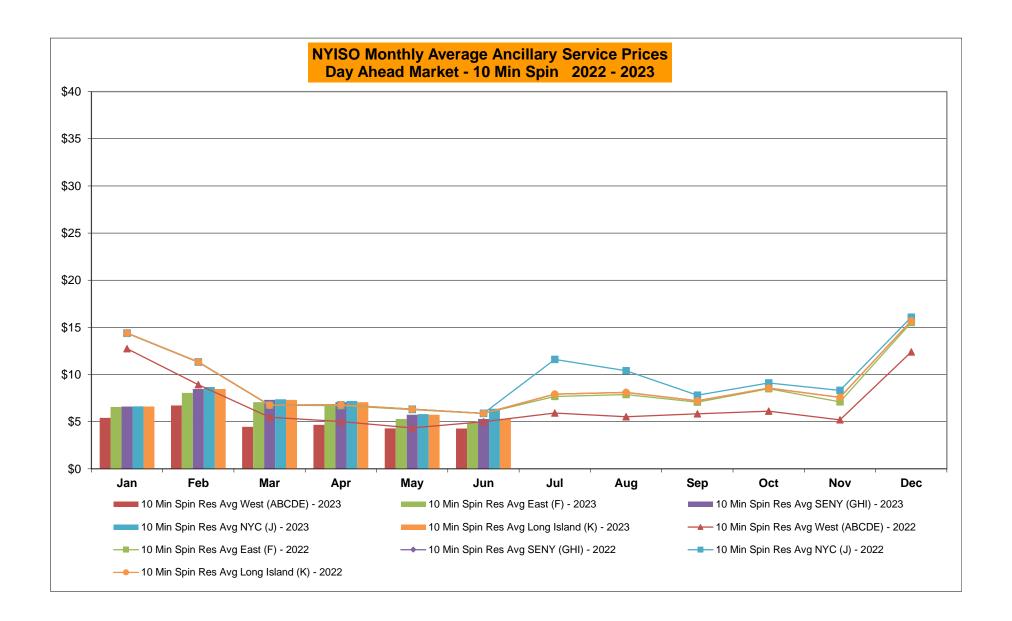
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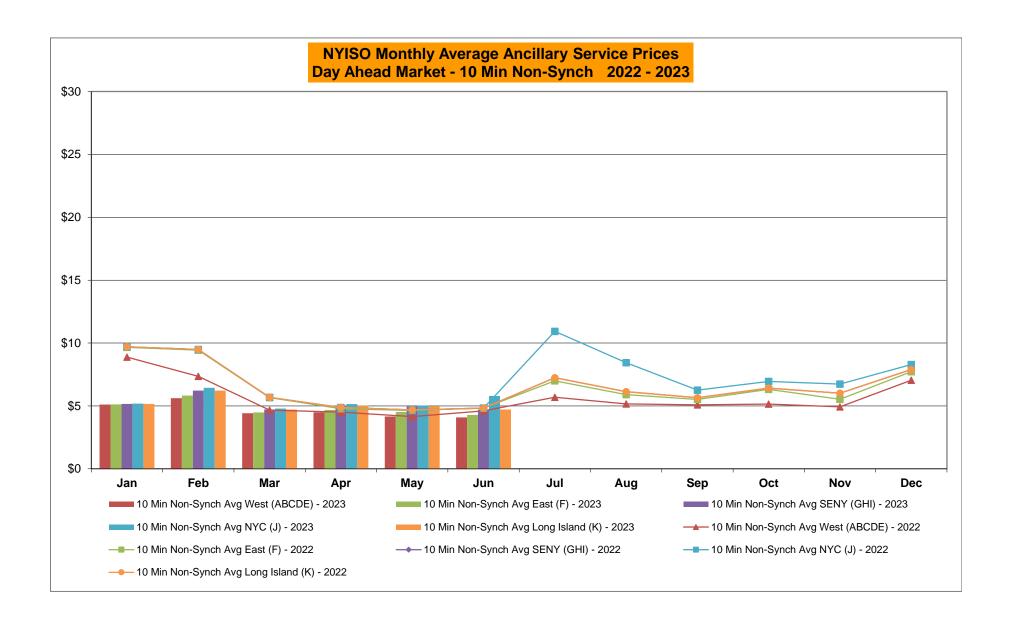
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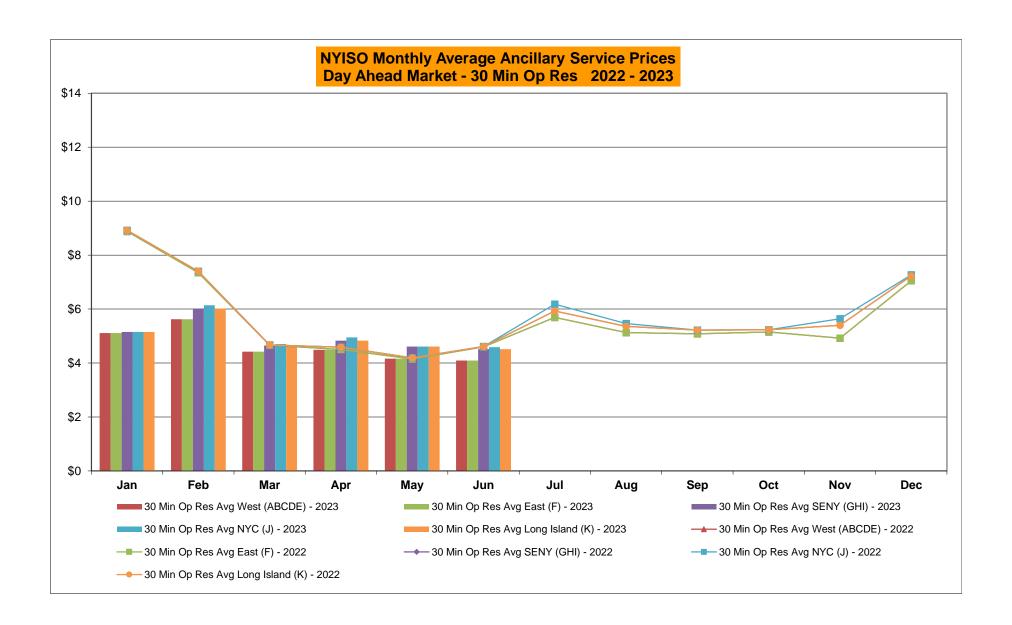
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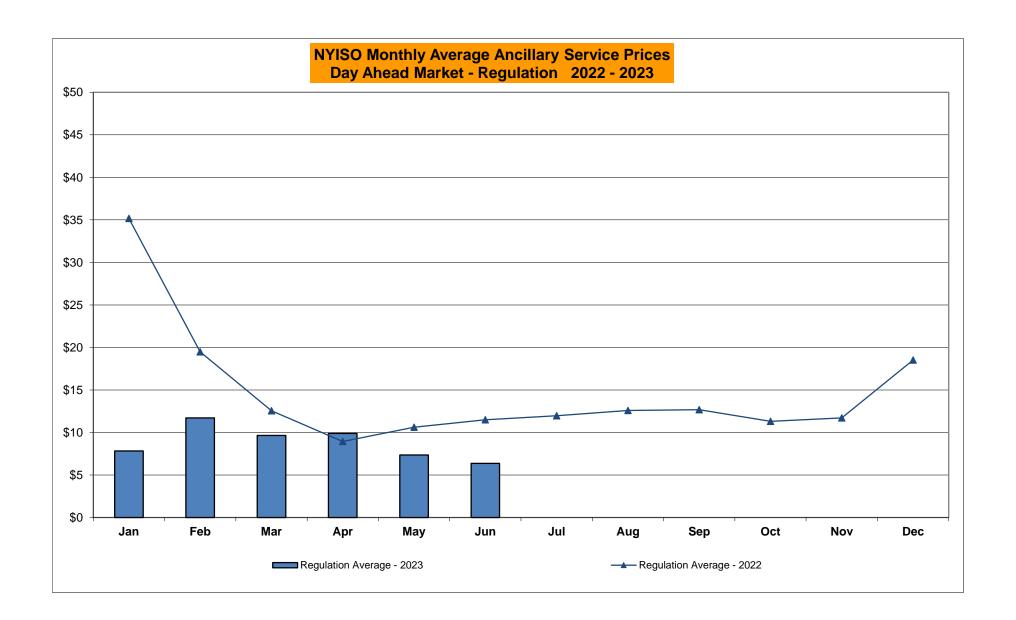
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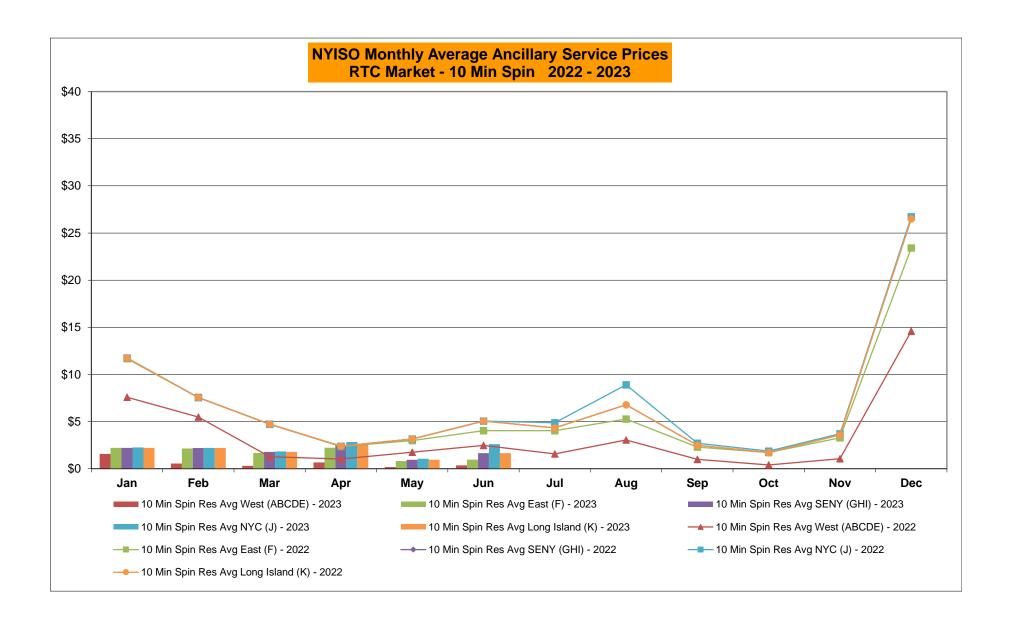


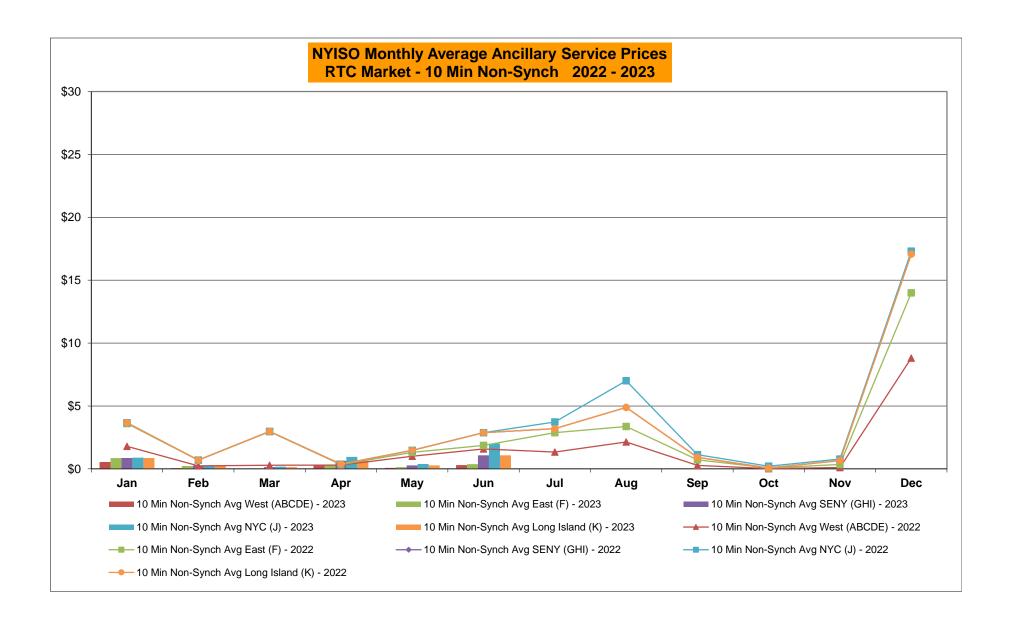


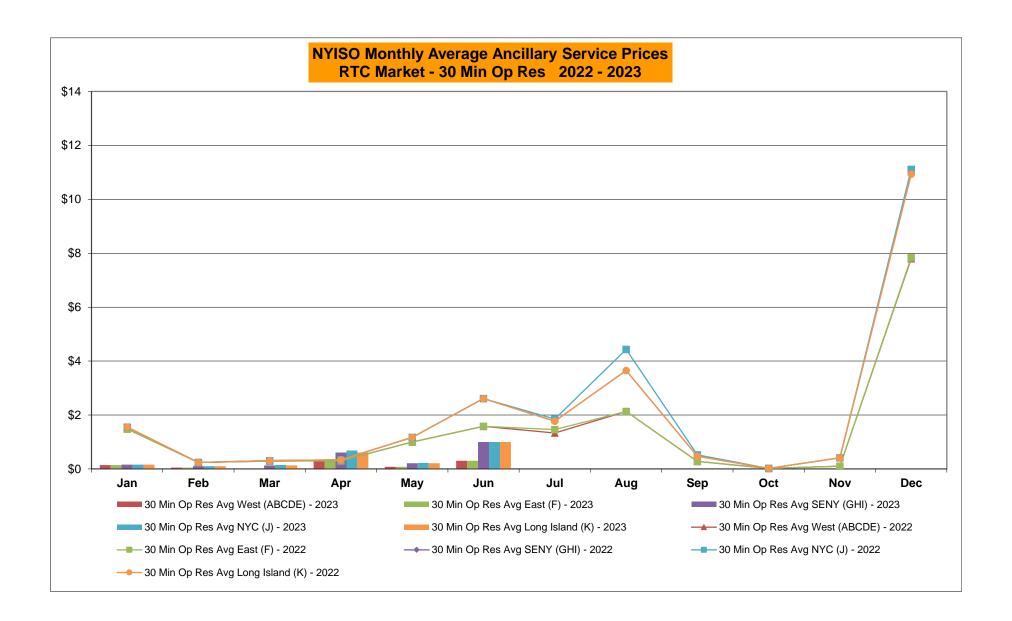


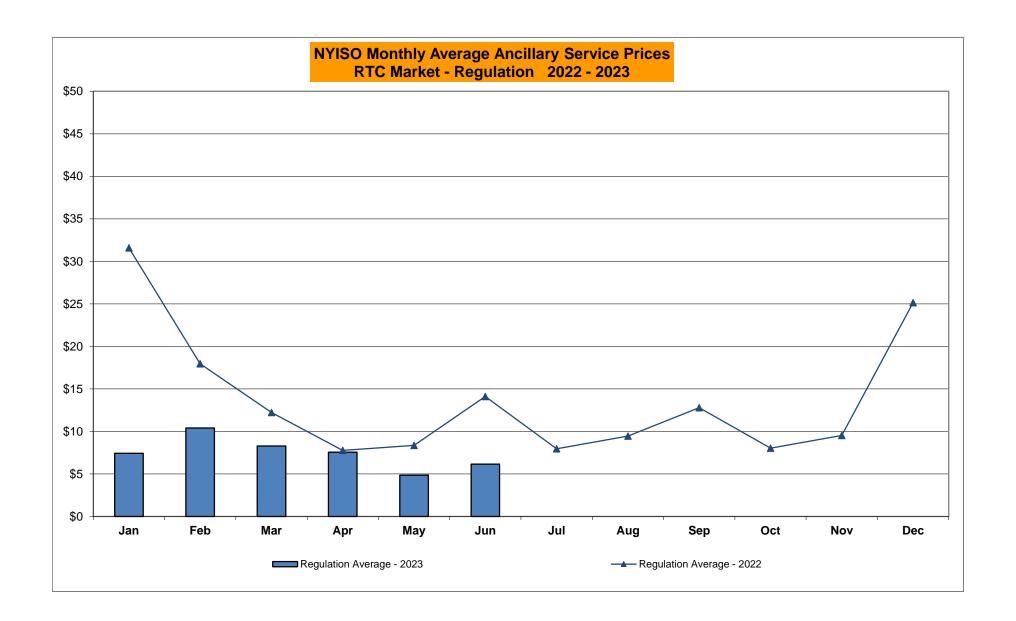


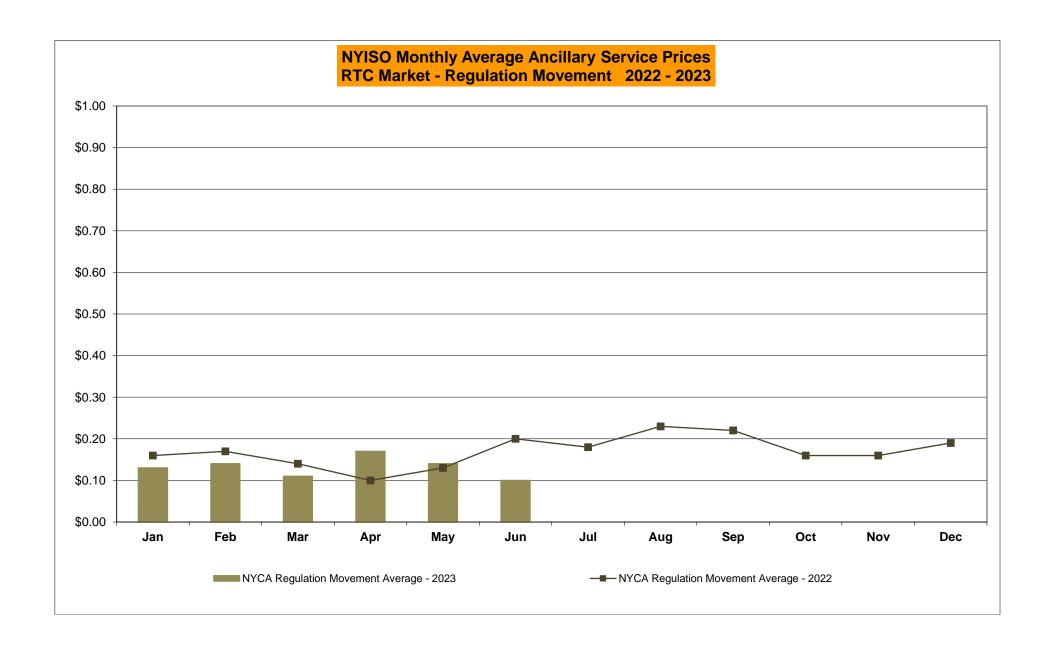


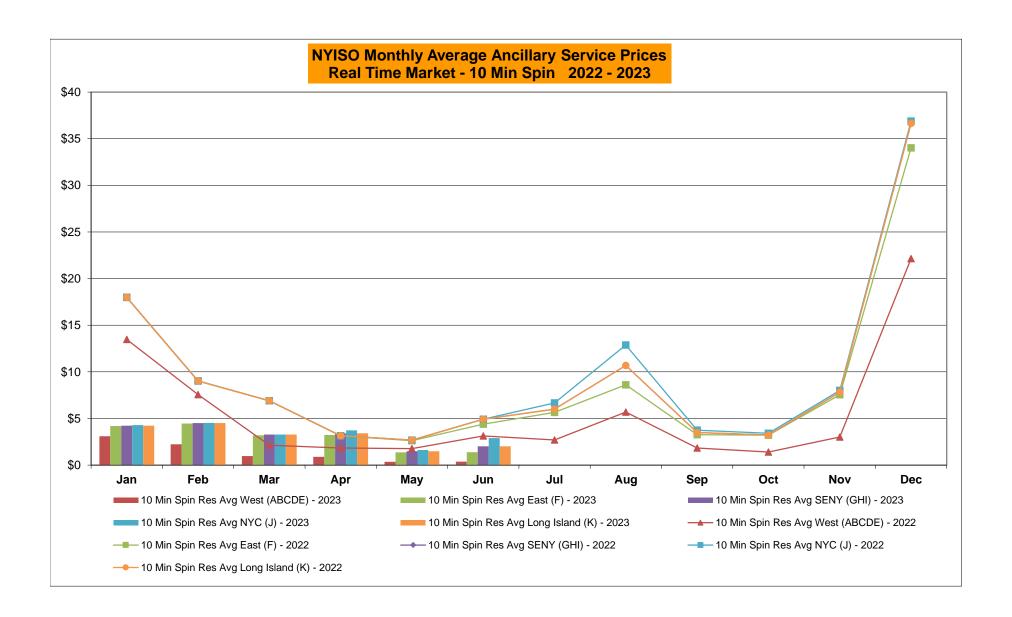


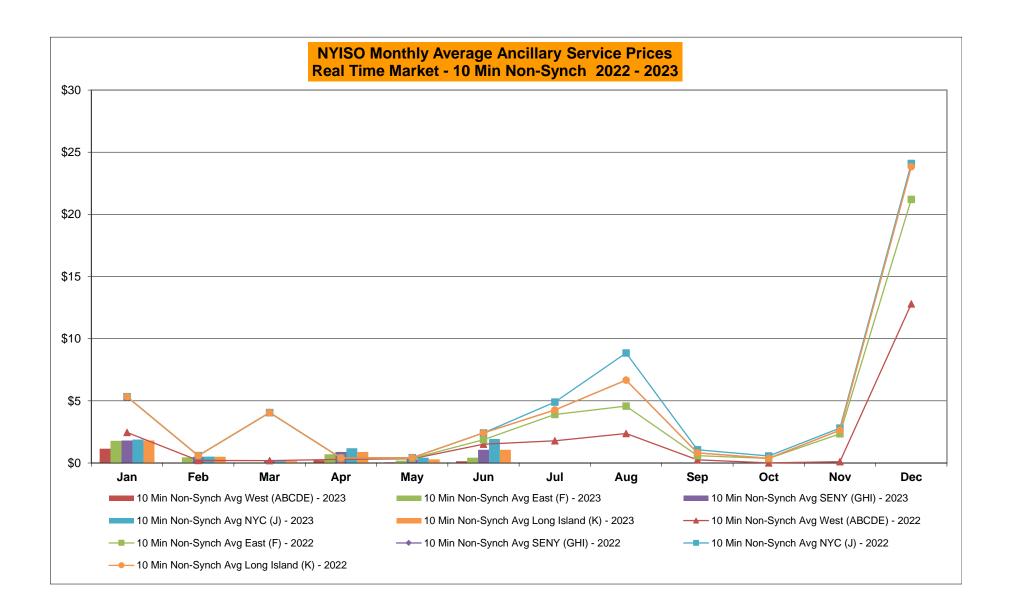


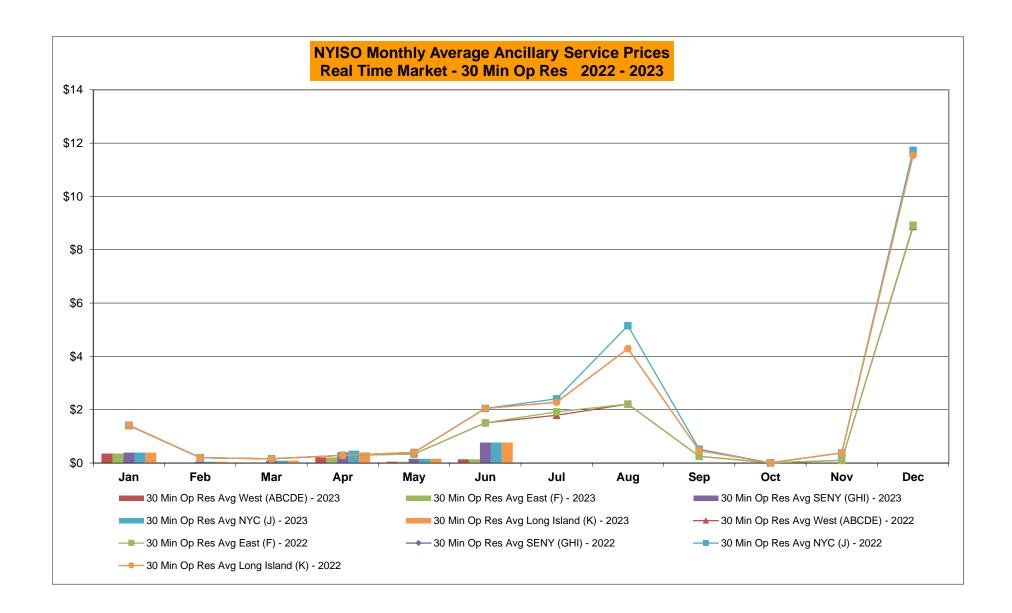


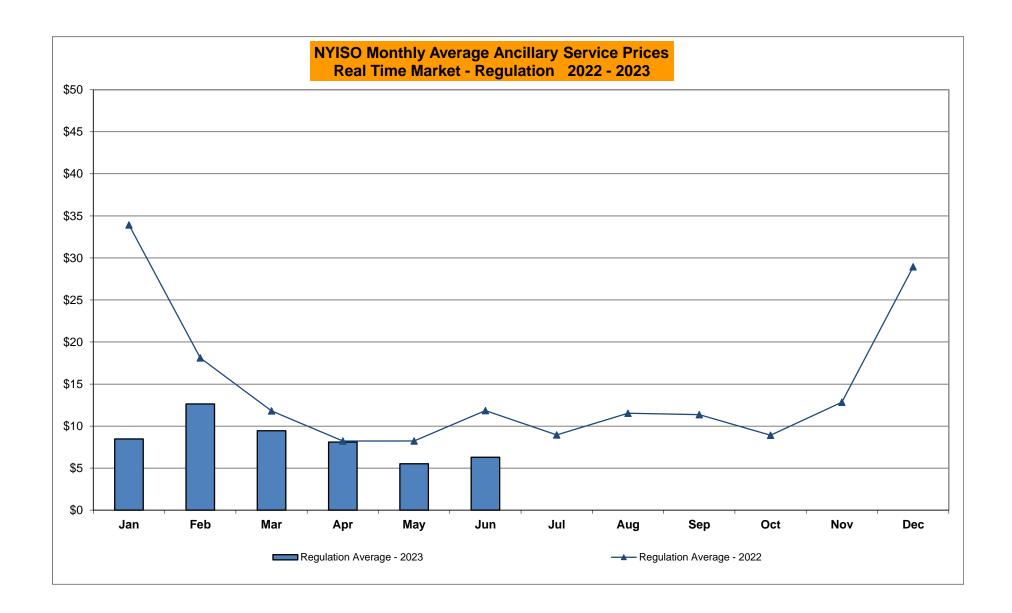


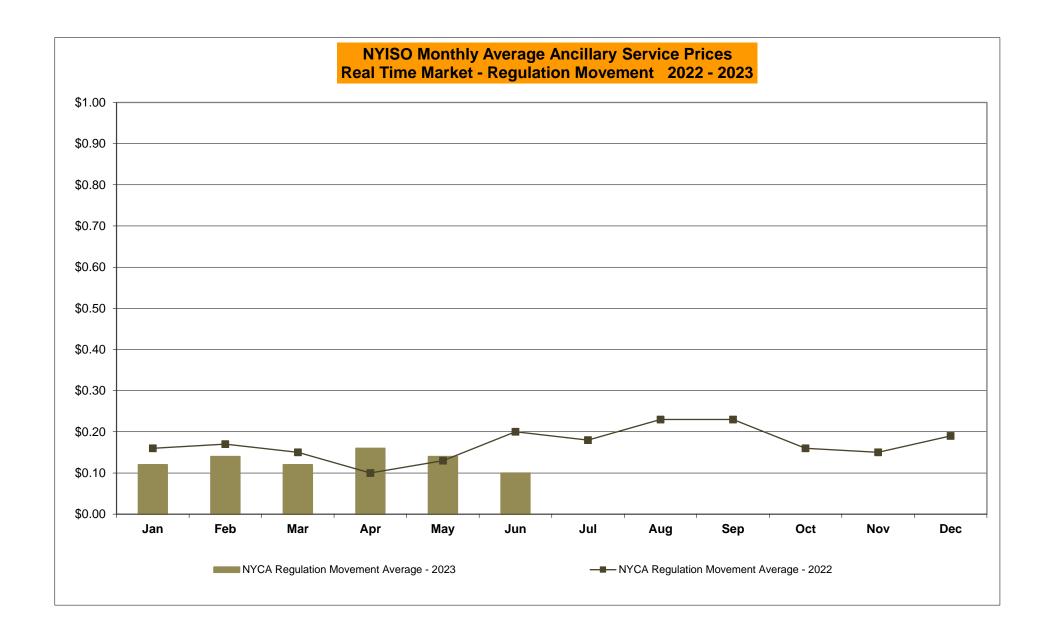












NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - DAM

2023 Day Ahead Market	<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>	<u>October</u>	November	<u>December</u>
10 Min Spin Long Island (K)	6.60	8.46	7.31	7.07	5.74	5.29						
10 Min Spin NYC (J)	6.63	8.68	7.38	7.07 7.20	5.81	6.37						
10 Min Spin SENY (GHI)	6.60	8.46	7.31	7.07	5.74	5.29						
10 Min Spin East (F)	6.56	8.06	7.07	6.73	5.30	4.87						
10 Min Spin West (ABCDE)	5.41	6.73	4.45	4.67	4.29	4.27						
10 Min Non Synch Long Island (K)	5.16	6.22	4.72	5.02	4.97	4.71						
10 Min Non Synch NYC (J)	5.18	6.44	4.79	5.15	5.04	5.79						
10 Min Non Synch SENY (GHI)	5.16	6.22	4.72	5.02	4.97	4.71						
10 Min Non Synch East (F)	5.12	5.82	4.48	4.68	4.52	4.28						
10 Min Non Synch West (ABCDE)	5.11	5.62	4.42	4.49	4.16	4.09						
30 Min Long Island (K)	5.15	6.02	4.65	4.83	4.61	4.51						
30 Min NYC (J)	5.15	6.14	4.70	4.95	4.61	4.59						
30 Min SENY (GHI)	5.15	6.02	4.65	4.83	4.61	4.51						
30 Min East (F)	5.11	5.62	4.42	4.49	4.16	4.09						
30 Min West (ABCDE)	5.11	5.62	4.42	4.49	4.16	4.09						
Regulation	7.82	11.71	9.65	9.88	7.36	6.37						
<u>2022</u>	<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	<u>October</u>	November	December
Day Ahead Market	<u>January</u>			-				_			<u>November</u>	<u>December</u>
<u>Day Ahead Market</u> 10 Min Spin Long Island (K)	14.40	11.34	6.76	6.79	6.32	5.88	7.92	8.10	7.22	8.57	7.57	15.69
Day Ahead Market				-				_	7.22 7.81		· · · · · · · · · · · · · · · · · · ·	
<u>Day Ahead Market</u> 10 Min Spin Long Island (K)	14.40	11.34 12.52 11.34	6.76 7.29 6.76	6.79 6.80 6.79	6.32 7.01 6.32	5.88 6.12 5.88	7.92 11.61 7.92	8.10 10.41 8.10	7.22 7.81 7.22	8.57 9.10 8.57	7.57 8.31 7.57	15.69
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	14.40 15.32 14.40 14.37	11.34 12.52 11.34 11.30	6.76 7.29 6.76 6.74	6.79 6.80 6.79 6.70	6.32 7.01 6.32 6.28	5.88 6.12 5.88 5.87	7.92 11.61 7.92 7.68	8.10 10.41 8.10 7.88	7.22 7.81 7.22 7.07	8.57 9.10 8.57 8.49	7.57 8.31 7.57 7.10	15.69 16.08 15.69 15.51
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	14.40 15.32 14.40 14.37 12.74	11.34 12.52 11.34 11.30 8.93	6.76 7.29 6.76 6.74 5.48	6.79 6.80 6.79 6.70 5.01	6.32 7.01 6.32 6.28 4.34	5.88 6.12 5.88 5.87 4.99	7.92 11.61 7.92 7.68 5.91	8.10 10.41 8.10 7.88 5.53	7.22 7.81 7.22 7.07 5.84	8.57 9.10 8.57 8.49 6.11	7.57 8.31 7.57 7.10 5.20	15.69 16.08 15.69 15.51 12.39
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K)	14.40 15.32 14.40 14.37 12.74 9.70	11.34 12.52 11.34 11.30 8.93 9.48	6.76 7.29 6.76 6.74 5.48 5.68	6.79 6.80 6.79 6.70 5.01 4.87	6.32 7.01 6.32 6.28 4.34 4.68	5.88 6.12 5.88 5.87 4.99 4.83	7.92 11.61 7.92 7.68 5.91 7.24	8.10 10.41 8.10 7.88 5.53 6.13	7.22 7.81 7.22 7.07 5.84 5.65	8.57 9.10 8.57 8.49 6.11 6.41	7.57 8.31 7.57 7.10 5.20 6.01	15.69 16.08 15.69 15.51 12.39 7.90
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J)	14.40 15.32 14.40 14.37 12.74 9.70 10.61	11.34 12.52 11.34 11.30 8.93 9.48 10.66	6.76 7.29 6.76 6.74 5.48 5.68 6.20	6.79 6.80 6.79 6.70 5.01 4.87 4.89	6.32 7.01 6.32 6.28 4.34 4.68 5.38	5.88 6.12 5.88 5.87 4.99 4.83 5.07	7.92 11.61 7.92 7.68 5.91 7.24 10.93	8.10 10.41 8.10 7.88 5.53 6.13 8.44	7.22 7.81 7.22 7.07 5.84 5.65 6.25	8.57 9.10 8.57 8.49 6.11 6.41 6.94	7.57 8.31 7.57 7.10 5.20 6.01 6.74	15.69 16.08 15.69 15.51 12.39 7.90 8.29
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68	6.79 6.80 6.79 6.70 5.01 4.87 4.89	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70 9.66	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48 9.44	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68 5.66	6.79 6.80 6.79 6.70 5.01 4.87 4.89 4.87	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68 4.64	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83 4.82	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24 7.00	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13 5.90	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65 5.51	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41 6.32	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01 5.53	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70 9.66 8.88	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48 9.44 7.35	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68 5.66 4.66	6.79 6.80 6.79 6.70 5.01 4.87 4.89 4.87 4.78	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68 4.64 4.15	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83 4.82 4.60	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24 7.00 5.69	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13 5.90 5.16	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65 5.51	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41 6.32 5.15	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01 5.53 4.92	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72 7.05
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70 9.66 8.88 8.92	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48 9.44 7.35 7.40	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68 5.66 4.66 4.67	6.79 6.80 6.79 6.70 5.01 4.87 4.89 4.87 4.78 4.50 4.59	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68 4.64 4.15 4.19	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83 4.82 4.60 4.61	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24 7.00 5.69 5.93	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13 5.90 5.16 5.36	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65 5.51 5.08 5.22	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41 6.32 5.15 5.23	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01 5.53 4.92 5.40	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72 7.05 7.23
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70 9.66 8.88 8.92 8.95	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48 9.44 7.35 7.40 7.42	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68 5.66 4.66 4.67	6.79 6.80 6.79 6.70 5.01 4.87 4.89 4.87 4.78 4.50 4.59	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68 4.64 4.15 4.19 4.21	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83 4.82 4.60 4.61 4.61	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24 7.00 5.69 5.93 6.18	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13 5.90 5.16 5.36 5.46	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65 5.51 5.08 5.22 5.22	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41 6.32 5.15 5.23 5.23	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01 5.53 4.92 5.40 5.64	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72 7.05 7.23 7.27
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70 9.66 8.88 8.92 8.95 8.92	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48 9.44 7.35 7.40 7.42 7.40	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68 5.66 4.66 4.67 4.67	6.79 6.80 6.79 6.70 5.01 4.87 4.89 4.87 4.78 4.50 4.59 4.59	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68 4.64 4.15 4.19 4.21 4.19	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83 4.82 4.60 4.61 4.61	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24 7.00 5.69 5.93 6.18 5.93	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13 5.90 5.16 5.36 5.46 5.36	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65 5.51 5.08 5.22 5.22 5.22	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41 6.32 5.15 5.23 5.23 5.23	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01 5.53 4.92 5.40 5.64 5.40	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72 7.05 7.23 7.27 7.23
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70 9.66 8.88 8.92 8.95 8.92 8.88	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48 9.44 7.35 7.40 7.42 7.40 7.35	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68 5.66 4.66 4.67 4.67	6.79 6.80 6.79 6.70 5.01 4.87 4.89 4.87 4.78 4.50 4.59 4.59 4.59	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68 4.64 4.15 4.19 4.21 4.19 4.15	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83 4.82 4.60 4.61 4.61 4.61 4.61	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24 7.00 5.69 5.93 6.18 5.93 5.69	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13 5.90 5.16 5.36 5.46 5.36 5.46 5.36	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65 5.51 5.08 5.22 5.22 5.22 5.22	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41 6.32 5.15 5.23 5.23 5.23 5.15	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01 5.53 4.92 5.40 5.64 5.40 4.92	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72 7.05 7.23 7.27 7.23 7.05
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70 9.66 8.88 8.92 8.95 8.92	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48 9.44 7.35 7.40 7.42 7.40	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68 5.66 4.66 4.67 4.67	6.79 6.80 6.79 6.70 5.01 4.87 4.89 4.87 4.78 4.50 4.59 4.59	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68 4.64 4.15 4.19 4.21 4.19	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83 4.82 4.60 4.61 4.61	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24 7.00 5.69 5.93 6.18 5.93	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13 5.90 5.16 5.36 5.46 5.36	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65 5.51 5.08 5.22 5.22 5.22	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41 6.32 5.15 5.23 5.23 5.23	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01 5.53 4.92 5.40 5.64 5.40	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72 7.05 7.23 7.27 7.23

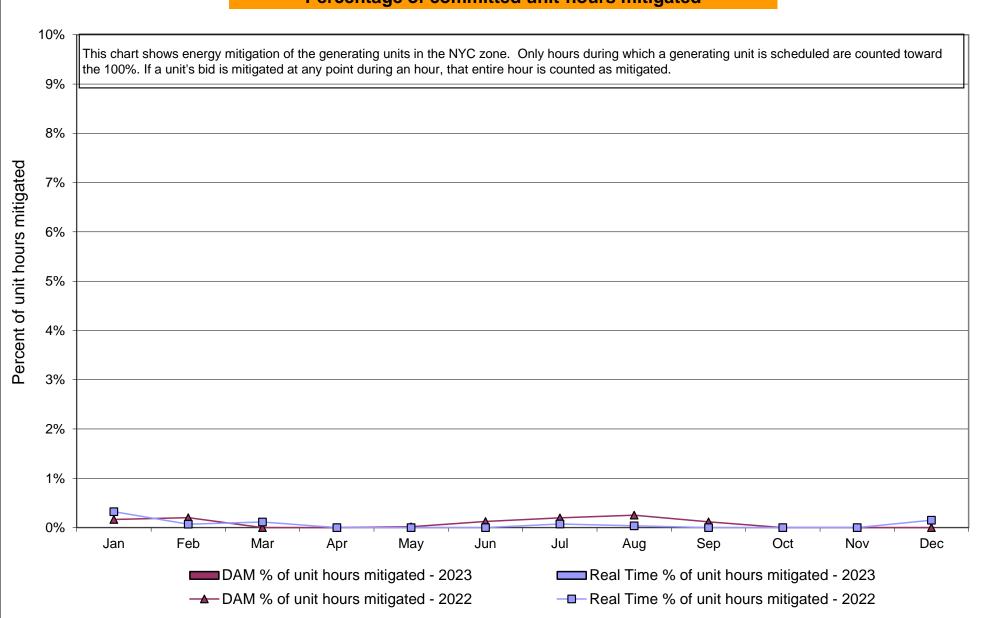
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RTC

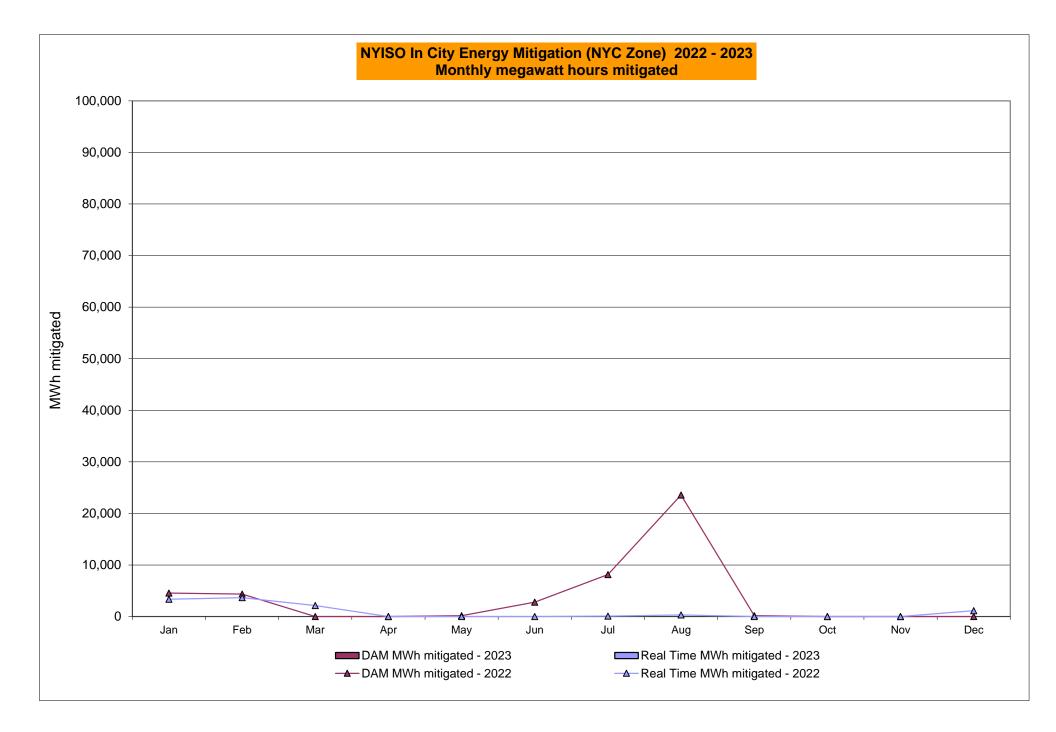
2023 RTC Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	October	November	December
10 Min Spin Long Island (K)	2.22	2.19	1.79	2.55	0.95	1.66						
10 Min Spin NYC (J)	2.26	2.21	1.83	2.84	1.07	2.60						
10 Min Spin SENY (GHI)	2.22	2.19	1.79	2.55	0.95	1.66						
10 Min Spin East (F)	2.21	2.15	1.67	2.23	0.82	0.96						
10 Min Spin West (ABCDE)	1.57	0.56	0.30	0.67	0.17	0.36						
10 Min Non Synch Long Island (K)	0.86	0.26	0.14	0.65	0.27	1.07						
10 Min Non Synch NYC (J)	0.89	0.27	0.18	0.95	0.39	2.01						
10 Min Non Synch SENY (GHI)	0.86	0.26	0.14	0.65	0.27	1.07						
10 Min Non Synch East (F)	0.85	0.22	0.02	0.34	0.14	0.37						
10 Min Non Synch West (ABCDE)	0.54	0.05	0.00	0.29	0.08	0.30						
30 Min Long Island (K)	0.16	0.10	0.13	0.61	0.21	1.00						
30 Min NYC (J)	0.16	0.10	0.15	0.68	0.22	1.00						
30 Min SENY (GHI)	0.16	0.10	0.13	0.61	0.21	1.00						
30 Min East (F)	0.14	0.05	0.00	0.29	0.08	0.30						
30 Min West (ABCDE)	0.14	0.05	0.00	0.29	0.08	0.30						
Regulation	7.44	10.40	8.29	7.55	4.86	6.16						
NYCA Regulation Movement	0.13	0.14	0.11	0.17	0.14	0.10						
<u>2022</u>	<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	<u>October</u>	November	<u>December</u>
<u>2022</u> <u>RTC Market</u>	<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>
	11.75	7.55	4.73	2.39	3.15	5.06	4.34	6.79	2.49	1.72	3.59	26.50
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J)	11.75 11.75	7.55 7.81	4.73 4.92	2.39 2.53	3.15 3.72	5.06 5.51	4.34 4.88	6.79 8.90	2.49 2.71	1.72 1.87	3.59 3.71	26.50 26.72
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	11.75 11.75 11.75	7.55 7.81 7.55	4.73 4.92 4.73	2.39 2.53 2.39	3.15 3.72 3.15	5.06 5.51 5.06	4.34 4.88 4.34	6.79 8.90 6.79	2.49 2.71 2.49	1.72 1.87 1.72	3.59 3.71 3.59	26.50 26.72 26.50
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	11.75 11.75 11.75 11.68	7.55 7.81 7.55 7.55	4.73 4.92 4.73 4.71	2.39 2.53 2.39 2.36	3.15 3.72	5.06 5.51 5.06 4.03	4.34 4.88	6.79 8.90 6.79 5.27	2.49 2.71 2.49 2.29	1.72 1.87 1.72 1.72	3.59 3.71	26.50 26.72 26.50 23.41
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	11.75 11.75 11.75 11.68 7.59	7.55 7.81 7.55	4.73 4.92 4.73 4.71 1.27	2.39 2.53 2.39 2.36 1.03	3.15 3.72 3.15 2.98 1.75	5.06 5.51 5.06 4.03 2.47	4.34 4.88 4.34 4.03 1.58	6.79 8.90 6.79 5.27 3.05	2.49 2.71 2.49 2.29 0.99	1.72 1.87 1.72 1.72 0.40	3.59 3.71 3.59	26.50 26.72 26.50 23.41 14.59
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K)	11.75 11.75 11.75 11.68 7.59 3.67	7.55 7.81 7.55 7.55 5.49 0.69	4.73 4.92 4.73 4.71 1.27 2.97	2.39 2.53 2.39 2.36 1.03 0.37	3.15 3.72 3.15 2.98 1.75 1.47	5.06 5.51 5.06 4.03 2.47 2.88	4.34 4.88 4.34 4.03 1.58 3.19	6.79 8.90 6.79 5.27 3.05 4.89	2.49 2.71 2.49 2.29 0.99 0.92	1.72 1.87 1.72 1.72 0.40 0.07	3.59 3.71 3.59 3.28 1.06 0.66	26.50 26.72 26.50 23.41 14.59 17.08
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J)	11.75 11.75 11.75 11.68 7.59 3.67 3.67	7.55 7.81 7.55 7.55 5.49 0.69 0.95	4.73 4.92 4.73 4.71 1.27 2.97 3.16	2.39 2.53 2.39 2.36 1.03 0.37 0.51	3.15 3.72 3.15 2.98 1.75 1.47 2.04	5.06 5.51 5.06 4.03 2.47 2.88 3.34	4.34 4.88 4.34 4.03 1.58 3.19 3.73	6.79 8.90 6.79 5.27 3.05 4.89 7.00	2.49 2.71 2.49 2.29 0.99 0.92 1.13	1.72 1.87 1.72 1.72 0.40 0.07 0.21	3.59 3.71 3.59 3.28 1.06 0.66 0.78	26.50 26.72 26.50 23.41 14.59 17.08 17.31
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97	2.39 2.53 2.39 2.36 1.03 0.37 0.51	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92	1.72 1.87 1.72 1.72 0.40 0.07 0.21	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67 3.67	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.69	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67 3.60 1.79	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.69 0.24	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33 0.30	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31 1.00	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07 0.02	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35 0.10	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67 3.60 1.79 1.55	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.69 0.24 0.24	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29 0.31	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33 0.30 0.34	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31 1.00 1.17	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58 2.61	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33 1.77	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13 3.65	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28 0.47	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07 0.02 0.02	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35 0.10 0.41	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81 10.93
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67 3.60 1.79 1.55	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.69 0.24 0.24	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29 0.31 0.31	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33 0.30 0.34	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31 1.00 1.17	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58 2.61 2.74	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33 1.77 1.85	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13 3.65 4.43	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28 0.47 0.52	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07 0.02 0.02	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35 0.10 0.41	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81 10.93 11.11
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67 3.60 1.79 1.55 1.55	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.69 0.24 0.24 0.24	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29 0.31 0.31	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33 0.30 0.34 0.34	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31 1.00 1.17 1.34 1.17	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58 2.61 2.74 2.61	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33 1.77 1.85 1.77	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13 3.65 4.43 3.65	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28 0.47 0.52 0.47	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07 0.02 0.02 0.02	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35 0.10 0.41 0.41	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81 10.93 11.11
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.60 1.79 1.55 1.55	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.24 0.24 0.24 0.24	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29 0.31 0.31 0.31 0.29	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33 0.30 0.34 0.34 0.34	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31 1.00 1.17 1.34 1.17	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58 2.61 2.74 2.61 1.58	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33 1.77 1.85 1.77	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13 3.65 4.43 3.65 2.13	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28 0.47 0.52 0.47	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07 0.02 0.02 0.02 0.02 0.02	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35 0.10 0.41 0.41 0.41	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81 10.93 11.11 10.93 7.84
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F) 30 Min West (ABCDE)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.60 1.79 1.55 1.55 1.48 1.48	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.24 0.24 0.24 0.24 0.24	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29 0.31 0.31 0.31 0.29 0.29	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33 0.30 0.34 0.34 0.34 0.34 0.30 0.30	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31 1.00 1.17 1.34 1.17 1.00 1.00	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58 2.61 2.74 2.61 1.58 1.58	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33 1.77 1.85 1.77 1.46 1.33	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13 3.65 4.43 3.65 2.13 2.13	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28 0.47 0.52 0.47 0.28	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.02 0.02 0.02 0.02 0.02 0.02	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35 0.10 0.41 0.41 0.41 0.10 0.10	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81 10.93 11.11 10.93 7.84 7.80
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.60 1.79 1.55 1.55	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.24 0.24 0.24 0.24	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29 0.31 0.31 0.31 0.29	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33 0.30 0.34 0.34 0.34	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31 1.00 1.17 1.34 1.17	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58 2.61 2.74 2.61 1.58	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33 1.77 1.85 1.77	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13 3.65 4.43 3.65 2.13	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28 0.47 0.52 0.47	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07 0.02 0.02 0.02 0.02 0.02	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35 0.10 0.41 0.41 0.41	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81 10.93 11.11 10.93 7.84

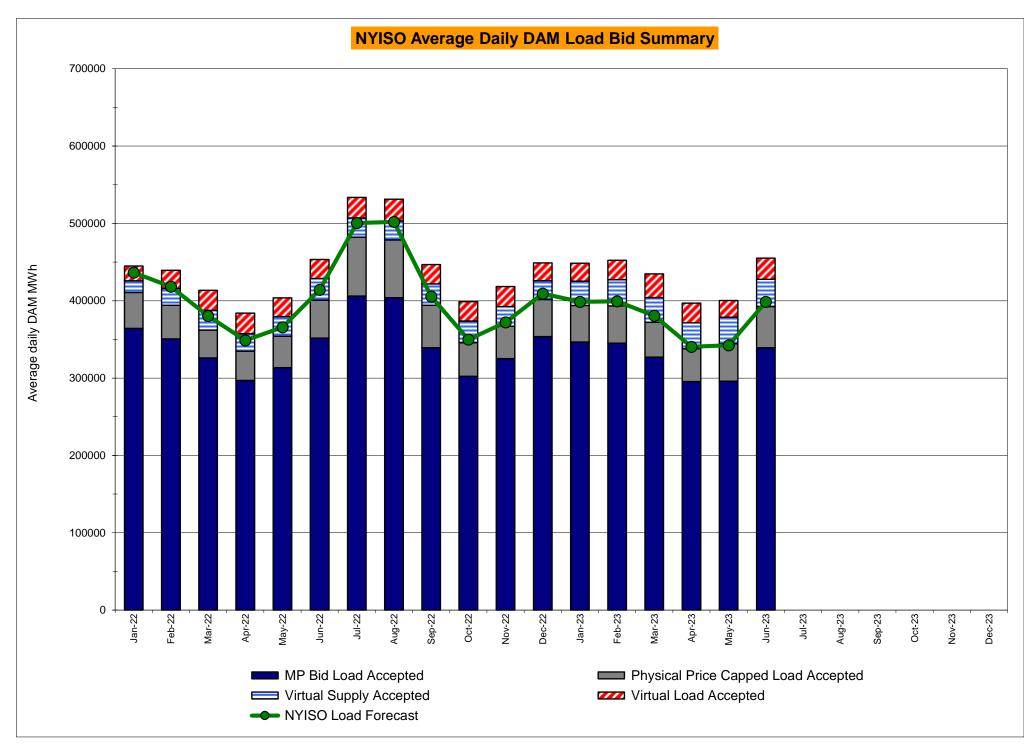
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RT

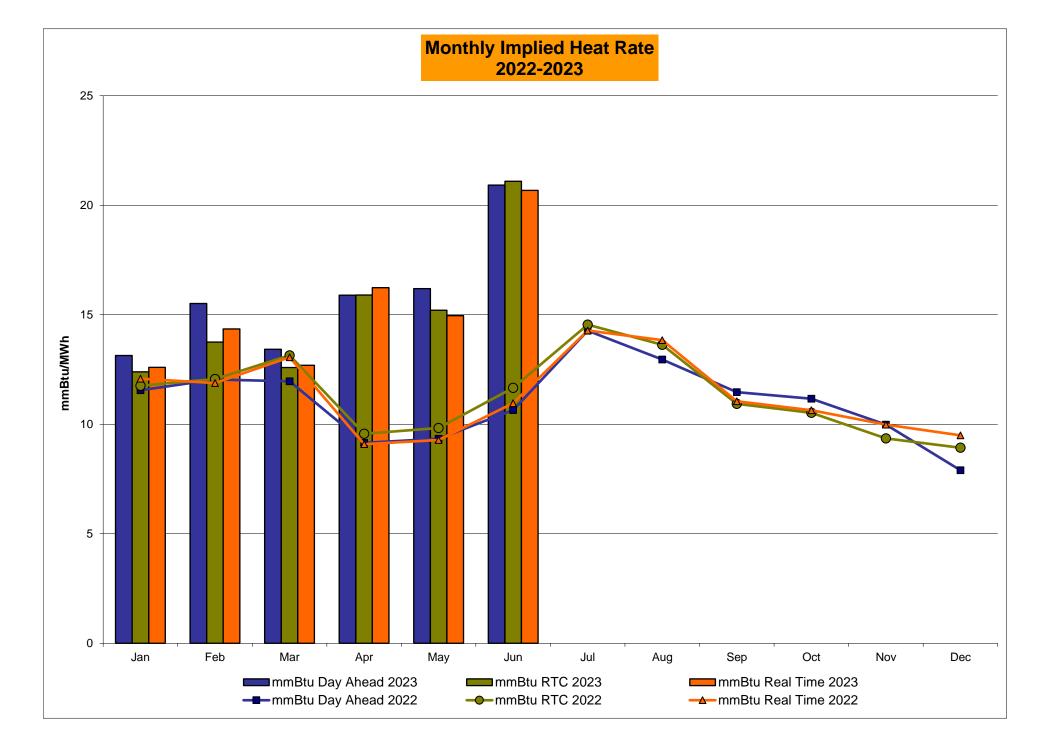
2023 Real Time Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	December
10 Min Spin Long Island (K)	4.22	4.51	3.28	3.42	1.48	2.02						
10 Min Spin NYC (J)	4.30	4.53	3.28	3.72	1.61	2.89						
10 Min Spin SENY (GHI)	4.22	4.51	3.28	3.42	1.48	2.02						
10 Min Spin East (F)	4.20	4.46	3.19	3.23	1.37	1.38						
10 Min Spin West (ABCDE)	3.10	2.24	0.97	0.89	0.36	0.38						
10 Min Non Synch Long Island (K)	1.81	0.50	0.15	0.89	0.29	1.07						
10 Min Non Synch NYC (J)	1.89	0.52	0.15	1.19	0.43	1.94						
10 Min Non Synch SENY (GHI)	1.81	0.50	0.15	0.89	0.29	1.07						
10 Min Non Synch East (F)	1.79	0.45	0.05	0.70	0.19	0.43						
10 Min Non Synch West (ABCDE)	1.15	0.01	0.00	0.21	0.05	0.14						
30 Min Long Island (K)	0.39	0.05	0.09	0.40	0.16	0.77						
30 Min NYC (J)	0.39	0.05	0.09	0.47	0.16	0.77						
30 Min SENY (GHI)	0.39	0.05	0.09	0.40	0.16	0.77						
30 Min East (F)	0.36	0.01	0.00	0.21	0.05	0.14						
30 Min West (ABCDE)	0.36	0.01	0.00	0.21	0.05	0.14						
Regulation	8.46	12.64	9.44	8.10	5.52	6.30						
NYCA Regulation Movement	0.12	0.14	0.12	0.16	0.14	0.10						
141 6/t Regulation Movement	0.12	0.14	0.12	0.10	0.14	0.10						
2022	<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>	<u>October</u>	<u>November</u>	<u>December</u>
Real Time Market												
10 Min Spin Long Island (K)	17.99	9.02	6.90	3.15	2.68	4.93	6.01	10.69	3.49	3.23	7.82	36.64
10 Min Spin NYC (J)	18.04	9.27	7.04	3.27	3.17	5.46	6.66	12.88	3.74	3.41	8.01	36.89
10 Min Spin SENY (GHI)	17.99	9.02	6.90	3.15	2.68	4.93	6.01	10.69	3.49	3.23	7.82	36.64
10 Min Spin East (F)	17.97	9.02	6.90	3.15	2.62	4.39	5.65	8.61	3.27	3.22	7.54	34.02
10 Min Spin West (ABCDE)	13.47	7.56	2.14	1.83	1.76	3.13	2.70	5.68	1.84	1.40	3.02	22.15
10 Min Non Synch Long Island (K)	5.34	0.59	4.05	0.40	0.43	2.42	4.26	6.67	0.81	0.38	2.63	23.83
10 Min Non Synch NYC (J)	5.40	0.84	4.19	0.51	0.92	2.95	4.90	8.85	1.06	0.56	2.81	24.09
10 Min Non Synch SENY (GHI)	5.34	0.59	4.05	0.40	0.43	2.42	4.26	6.67	0.81	0.38	2.63	23.83
10 Min Non Synch East (F)	5.33	0.59	4.05	0.40	0.37	1.88	3.90	4.58	0.59	0.37	2.35	21.21
10 Min Non Synch West (ABCDE)	2.46	0.20	0.19	0.29	0.34	1.51	1.79	2.37	0.25	0.01	0.10	12.80
30 Min Long Island (K)	1.42	0.20	0.16	0.29	0.40	2.05	2.28	4.29	0.47	0.01	0.38	11.54
30 Min NYC (J)	1.42	0.20	0.16	0.29	0.56	2.20	2.41	5.15	0.52	0.01	0.38	11.73
30 Min SENY (GHI)	1.42	0.20	0.16	0.29	0.40	2.05	2.28	4.29	0.47	0.01	0.38	11.54
30 Min East (F)	1.41	0.20	0.16	0.29	0.34	1.51	1.92	2.21	0.25	0.01	0.10	8.92
30 Min West (ABCDE)	1.41	0.20	0.16	0.29	0.34	1.51	1.79	2.21	0.25	0.01	0.10	8.87
Regulation	33.92	18.10	11.81	8.22	8.23	11.84	8.95	11.52	11.36	8.91	12.84	28.95
NYCA Regulation Movement	0.16	0.17	0.15	0.10	0.13	0.20	0.18	0.23	0.23	0.16	0.15	0.19

NYISO In City Energy Mitigation - AMP (NYC Zone) 2022 - 2023 Percentage of committed unit-hours mitigated

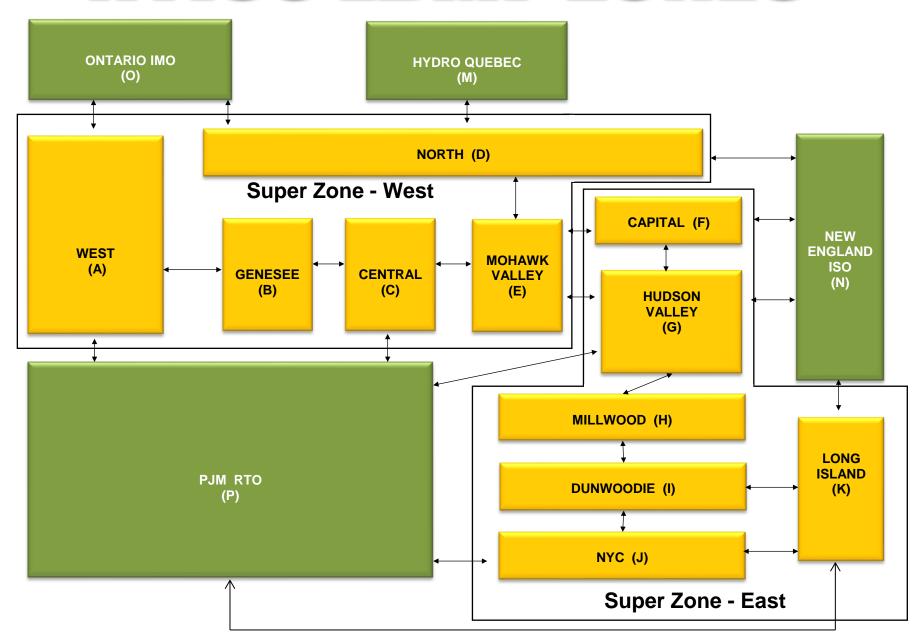








NYISO LBMP ZONES



Market Mitigation and Analysis Prepared: 7/10/2023 3:11 PM

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

Summary Description of Upcoming Regulatory Compliance Filings, Recently Submitted Filings and Issued Orders on NYISO Matters

Upcoming Compliance Filings

Filing Due Date	Upcoming Compliance Filings (Description)	Docket Number

Recently Issued Orders

Filing Date	Filing Summary (Order Issued)	Order Date	Order Summary	Docket Number
	NYISO and NYSEG jointly filed an unexecuted Engineering, Procurement, and Construction Agreement ("EPCA") among NYISO, NYSEG, ELP Ticonderoga Solar, and National Grid (SA No. 2764) in connection with the Ticonderoga Solar project (NYISO Queue No. 734).		FERC Letter Order accepted the unexecuted Engineering, Procurement, and Construction (EPC) Agreement as filed, effective April 6, 2023, as requested.	ER23-1573-000
	NYISO-National Grid Joint 205 filing of an amended and restated Small Generator Interconnection Agreement among NYISO, National Grid, and SunEast Hilltop Solar LLC for the Hilltop Solar Project (SA 2638).		FERC Letter Order accepted the amended agreement as filed, effective April 14, 2023, as requested.	ER23-1758-000
	NYISO 205 filing of proposed tariff revisions regarding the retention and transfer of Capacity Resource Interconnection Service (CRIS).		FERC Order accepted the NYISO's proposed tariff as filed, effective July 3, 2023, as requested.	ER23-1824-000
	Joint 205 Transmission Facility Interconnection Agreement among NYISO, Con Edison, New York Power Authority, and CHPE LLC for the Astoria-Rainey Cable and upgrades for the Champlain Hudson Power Express project, SA 2772.	7/3/2023	FERC Order accepted the executed Transmission Facility Interconnection Agreement as filed, effective April 21, 2023, as requested.	ER23-1839-000
	NYISO Section 205 filing of tariff revisions to implement enhancements to its transmission constraint pricing logic.		FERC Letter Order accepted the proposed revisions as filed, effective December 31, 9998, as requested.	ER23-1863-000

	NYISO filing of a notice of cancellation of the Second Amended and		FERC Order accepted the notice of cancellation of	
	Restated Large Generator Interconnection Agreement (LGIA) in		the second amended and restated agreement as	
	connection with the Berrians East Replacement project, among NYISO,		filed, effective July 18, 2023, as requested.	
	Con Edison, and NRG Berrians East Development (SA No. 2535).			
11/7/2022	The NYISO filed, with the NYPSC, 17 proposals for transmission needs	6/22/2023	The NYPSC Order states that the CLCPA	PSC Case No.
	driven by Public Policy Requirements provided to the NYISO in response		constitutes a Public Policy Requirement driving	22-E-0633
	to its August 31, 2022 letter inviting the proposals.		the need for additional transmission facilities to	
			deliver the output of offshore wind generating	
			resources to NYC interconnection points, and	
			referred this PPTN to the NYISO.	

Recently Submitted Filings

Filing Date	Filing Summary	Docket Number
6/1/2023	NYISO Section 205 filing of proposed tariff revisions to clarify and complement the market rules proposed in the NYISO's June 27, 2019 Distributed Energy Resources (DER) and Aggregation filing, regarding the participation of DER and Aggregations.	ER23-2040-000
6/1/2023	NYISO petition to incur indebtedness in excess of 12 months regarding the 2024-2028 Revolving Line of Credit and 2024-2028 Budget Facility.	PSC Case No. 23-E-0293
6/2/2023	NYISO compliance filing to address the directives of FERC's May 19, 2023 Order, which set aside FERC's Order on remand that affirmed the Commission's prior determination to require use of a 20-year amortization period and directs the NYISO to implement its proposed 17-year amortization period.	ER21-502-006
6/5/2023	NYISO response to FERC's May 5, 2023 deficiency letter regarding proposed tariff revisions to better align the credit requirements for Virtual and External Transactions with the risk associated with the transactions	ER23-1307-001
6/20/2023	NYISO compliance filing regarding NYISO's Order No. 881 compliance to modify the definition of Seasonal Facility Ratings and clarify the NYISO's responsibility to respond to requests for line ratings information, consistent with FERC's April 20, 2023 Order on Compliance.	ER22-2350-001
6/27/2023	NYISO Letter to DOE Grid Deployment Office regarding Northeast states Collaborative on Interregional Transmission	DOE
6/30/2023	On June 30, 2023, the NYISO submitted comments to NYSERDA and DEC regarding the development of the regulations to implement New York's Cap and Invest Program	NYSERDA-DEC Cap & Invest

7/3/2023	NYISO Motion to Intervene and Comments regarding the Bull Run Energy, LLC request for waiver of the requirements for the Project to satisfy a regulatory milestone pursuant to Sections 25.6.2.3.2 and 30.11.1 of the OATT within six months of the NYISO's tender of the Large Generator Interconnection Agreement.	ER23-2140-000
7/6/2023	NYISO informational submittal of the Con Edison System Restoration Plan.	ER12-2568-000
7/7/2023	NYISO Answer to protest of the NYISO's proposed tariff revisions concerning the participation of DER and Aggregations.	ER23-2040-000
7/14/2023	NYISO amendment filing to its October 20, 2022 filing of technical corrections, to amend Services Tariff Section 23.2.1 to include certain defined terms that were effective as of September 8, 2020 but were inadvertently omitted in the October 2022 filing.	ER19-467-009