

Market Operations Report

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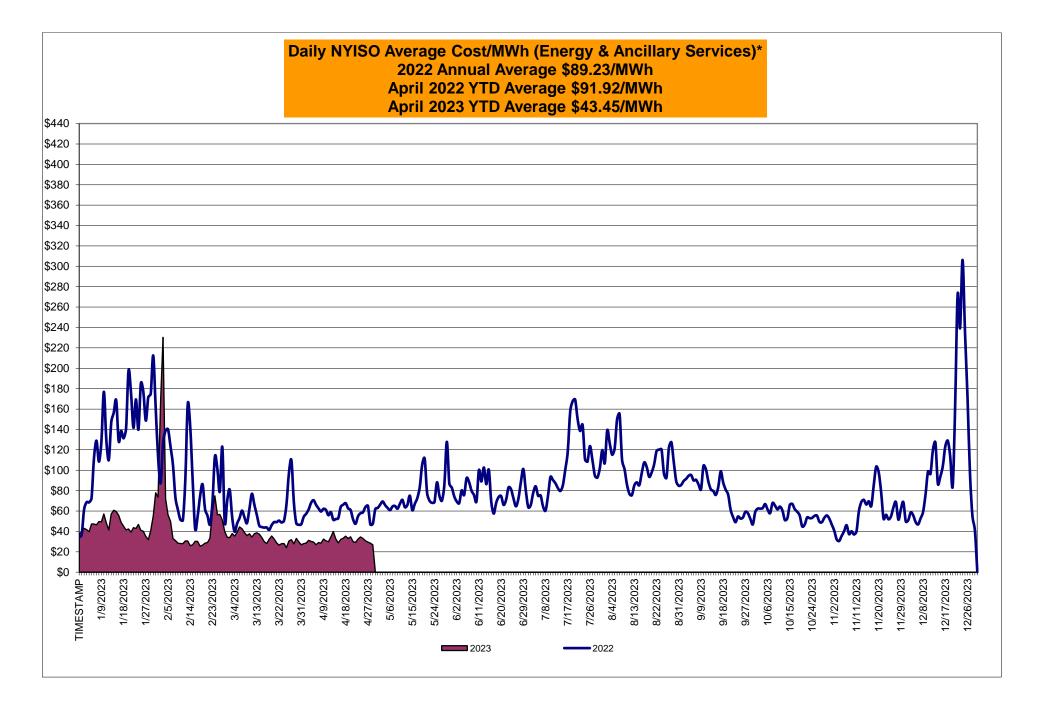
Business Issues Committee Meeting

May 24, 2023 Rensselaer, NY

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Market Performance Highlights April 2023

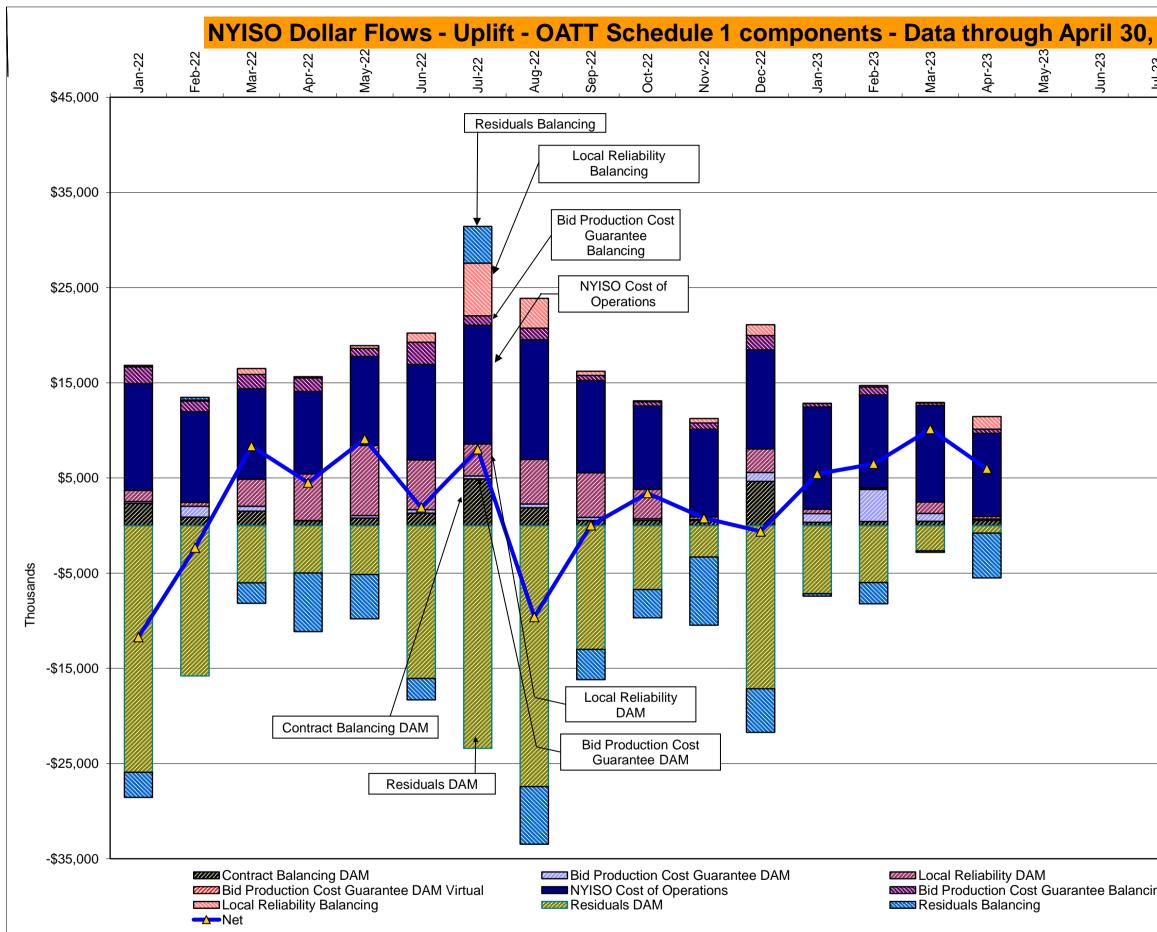
- LBMP for April is \$28.07/MWh; lower than \$31.11/MWh in March 2023 and \$56.46/MWh in April 2022.
 - Day Ahead Load Weighted LBMPs and Real Time Load Weighted LBMPs are lower compared to March.
- April 2023 average year-to-date monthly cost of \$43.45/MWh is a 53% decrease from \$91.92/MWh in April 2022.
- Average daily sendout is 349 GWh/day in April lower than 387 GWh/day in March 2023 and 359 GWh/day in April 2022.
- Natural gas prices and distillate prices are lower compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$1.73/MMBtu, down from \$2.26/MMBtu in March.
 - Natural gas prices (Transco Z6 NY) are down 254% year-over-year.
 - Jet Kerosene Gulf Coast was \$17.72/MMBtu, down from \$19.98/MMBtu in March.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$18.54/MMBtu, down from \$19.72/MMBtu in March.
 - Distillate prices are down 52.4% year-over-year.
- Uplift per MWh is lower compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.34)/MWh; lower than (\$0.00)/MWh in March.
 - Local Reliability Share is \$0.04/MWh, lower than \$0.09/MWh in March.
 - Statewide Share is (\$0.38)/MWh, lower than (\$0.10)/MWh in March.
 - TSA \$ per NYC MWh is \$0.00/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than March.



* Excludes ICAP payments.

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2022	lanuari	L ohmon <i>i</i>	Marah	م بنا	Max	luno	luk.	August	Contombor	Octobor	Nevember	December
2023	January	February	March	<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 NTAC	42.10	55.47	31.11	28.07								
	2.82	1.15	1.39	1.72								
Reserve	0.72	0.90 0.13	0.73	0.85								
Regulation NYISO Cost of Operations	0.09 0.77	0.13	0.13 0.77	0.15 0.78								
FERC Fee Recovery	0.08	0.09	0.09	0.78								
Uplift	(0.38)	(0.27)	(0.00)	(0.34)								
Uplift: Local Reliability Share	0.03	0.03	0.09	0.04								
Uplift: Statewide Share	(0.41)	(0.30)	(0.10)	(0.38)								
Voltage Support and Black Start	0.42	0.42	0.43	0.43								
Avg Monthly Cost	46.56	58.58	34.58	31.67								
Avg montiny cost	40.00	50.50	54.50	51.07								
Avg YTD Cost	46.64	52.36	46.65	43.45								
C C												
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00								
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	0.13	0.15	0.12	0.13	0.18	0.18	0.15	0.12
NYISO Cost of Operations	0.73	0.72	0.74	0.74	0.74	0.75	0.76	0.76	0.76	0.73	0.74	0.73
FERC Fee Recovery	0.07	0.08	0.09	0.10	0.09	0.08	0.06	0.06	0.09	0.10	0.09	0.08
Uplift	(1.50)	(1.73)	(0.09)	(0.36)	(0.05)	(0.61)	(1.58)	(1.91)	(0.78)	(0.45)	(0.68)	(0.77)
Uplift: Local Reliability Share	0.09	0.04	0.27	0.43	0.60	0.46	0.54	0.47	0.39	0.27	0.06	0.25
Uplift: Statewide Share	(1.59)	(1.77)	(0.36)	(0.79)	(0.65)	(1.07)	(2.12)	(2.38)	(1.18)	(0.72)	(0.74)	(1.02)
Voltage Support and Black Start	0.42	0.41	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.42	0.42	0.42
Avg Monthly Cost	137.41	95.82	60.34	59.38	75.07	80.17	103.73	110.61	81.81	58.26	57.91	113.40
Avg YTD Cost	137.49	118.36	100.65	91.92	88.82	87.37	90.31	93.42	92.27	89.47	86.97	89.23
TSA \$ per NYC MWh	0.00	2.98	0.00	0.00	0.11	0.00	3.98	1.70	0.06	0.00	0.00	0.01

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



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.

20	23 87.00	Sep-23	Oct-23	Nov-23	Dec-23	
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-9						

NYISO Markets Transactions

<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	
13,662,137	12,355,489	12,651,083	11,058,870			
55%	55%	56%	55%			
7%	7%	4%	4%			
28%	29%	30%	30%			
5%	5%	6%	6%			
2%	2%	2%	2%			
3%	2%	2%	2%			
328,840	397,488	420,170	303,381			
65%	38%	53%	43%			
68%	68%	58%	69%			
2%	1%	2%	-1%			
0%	0%	0%	0%			
7%	6%	6%	5%			
-43%	-13%	-18%	-16%			
63%	63%	62%	61%			
28%	28%	29%	29%			
5%	5%	6%	6%			
2%	2%	2%	3%			
2%	1%	1%	2%			
97.6%	96.9%	96.8%	97.3%			
2.4%	3.1%	3.2%	2.7%			
13,990,977	12,752,977	13,071,253	11,362,252			
410	408	387	349			
Januarv	Februarv	March	April	Mav	June	
_	13,662,137 55% 7% 28% 5% 2% 3% 328,840 65% 68% 2% 0% 7% -43% 63% 28% 5% 2% 2% 97.6% 2.4% 13,990,977	13,662,137 12,355,489 55% 55% 7% 7% 28% 29% 5% 5% 2% 2% 328,840 397,488 65% 38% 68% 68% 2% 1% 0% 0% 5% 2% 328,840 397,488 65% 38% 68% 68% 2% 1% 0% 0% 2% 1% 63% 63% 28% 28% 5% 5% 2% 1% 97.6% 96.9% 2.4% 3.1% 13,990,977 12,752,977 410 408 January February 14,327,101 12,477,485	13,662,137 $12,355,489$ $12,651,083$ $55%$ $55%$ $56%$ $7%$ $7%$ $4%$ $28%$ $29%$ $30%$ $5%$ $5%$ $6%$ $2%$ $2%$ $2%$ $328,840$ $397,488$ $420,170$ $65%$ $38%$ $53%$ $68%$ $68%$ $58%$ $2%$ $1%$ $2%$ $0%$ $0%$ $0%$ $0%$ $0%$ $0%$ $7%$ $6%$ $6%$ $-43%$ $-13%$ $-18%$ $63%$ $63%$ $62%$ $1%$ $1%$ $97.6%$ $96.9%$ $96.8%$ $2.4%$ $3.1%$ $3.2%$ $13,990,977$ $12,752,977$ $13,071,253$ 410 408 387	13,662,13712,355,48912,651,08311,058,87055%55%56%55%7%7%4%4%28%29%30%30%5%5%6%6%2%2%2%2%3%2%2%2%328,840397,488420,170303,38165%38%53%43%68%68%58%69%2%1%2%-1%0%0%0%0%7%6%6%5%-43%-13%-18%-16%63%63%62%61%28%28%29%2%5%5%6%6%2%1%1%2%97.6%96.9%96.8%97.3%2.4%3.1%3.2%2.7%13,990,97712,752,97713,071,25311,362,252410408387349JanuaryFebruaryMarchApril14,327,10112,477,48512,137,75710,992,578	13,662,13712,355,48912,651,08311,058,87055%55%56%55%7%7%4%4%28%29%30%30%5%5%6%6%2%2%2%3%2%2%328,840397,488420,170303,38165%38%53%43%68%68%58%69%2%1%2%-1%0%0%0%0%7%6%6%5%-43%-13%-18%-16%63%63%62%61%28%28%29%29%5%5%6%6%2%2%2%3%2%1%1%2%97.6%96.9%96.8%97.3%2.4%3.1%3.2%2.7%13,990,97712,752,97713,071,25311,362,252410408387349JanuaryFebruaryMarchApril14,327,10112,477,48512,137,75710,992,57812,176,102	13,662,13712,355,48912,651,08311,058,87013,662,13712,355,48912,651,08311,058,87055%55%56%55%7%7%4%4%28%29%30%30%5%5%6%6%2%2%2%3%2%2%328,840397,488420,170303,38165%38%53%43%68%68%58%68%68%58%68%68%58%68%68%58%68%68%58%68%68%58%63%63%62%7%6%6%2%13%-18%-16%2%2%2%1%1%2%2%2%2%1%1%2%2%1%1%13,990,97712,752,97713,071,25311,362,252410408387349JanuaryEebruaryMarchAprilMayJune14,327,10112,477,48512,137,75710,992,57812,176,10212,945,740

Day Ahead Market MWh 14,327,101 12,477,485 12,137,57 10,992,578 12,176,102 12,947,740 15,70,210 12,467,212 11,527,75 11,952,855 13,768,799 DAM LSE Internal LBMP Energy Sales 57% 56% 59% 55% 60% 64% 63% 62% 58% 56% 56% DAM External TC LBMP Energy Sales 7% 8% 3% 5% 66% 3% 3% 3% 6% 6% 64% 63% 2% 5% 6% 5% 6% 5% 6% 5% 6% 2% <th><u>2022</u></th> <th><u>January</u></th> <th><u>February</u></th> <th><u>March</u></th> <th><u>April</u></th> <th><u>May</u></th> <th><u>June</u></th> <th><u>July</u></th> <th><u>August</u></th> <th><u>September</u></th> <th><u>October</u></th> <th><u>November</u></th> <th><u>December</u></th>	<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>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
DAM External TC LBMP Energy Sales7%8%3%5%6%3%3%3%2%3%4%6%DAM Bilateral - Internal Bilaterals28%28%29%31%31%29%26%26%27%30%31%29%DAM Bilateral - Importi/Non-LBMP Market Bilaterals2%2%4%4%4%5%4%4%4%4%5%6%5%5%5%5%DAM Bilateral - Sport/Non-LBMP Market Bilaterals2%	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
DAM Bilateral - Internal Bilaterals 28% 28% 29% 31% 31% 29% 26% 26% 27% 30% 31% 29% DAM Bilateral - ImportI/Non-LBMP Market Bilaterals 4% 4% 4% 4% 4% 4% 4% 4% 4% 4% 5% 6% 5% 5% 5% DAM Bilateral - Export/Non-LBMP Market Bilaterals 2% 36% 55% 55% 58% 56% 56% 66% <t< td=""><td>DAM LSE Internal LBMP Energy Sales</td><td>57%</td><td>56%</td><td>59%</td><td>56%</td><td>55%</td><td>60%</td><td>64%</td><td>63%</td><td>62%</td><td>58%</td><td>56%</td><td>56%</td></t<>	DAM LSE Internal LBMP Energy Sales	57%	56%	59%	56%	55%	60%	64%	63%	62%	58%	56%	56%
DAM Bilateral - ImportI/Non-LBMP Market Bilaterals4%4%4%5%4%4%4%5%6%5%5%5%DAM Bilateral - Export/Non-LBMP Market Bilaterals2%2	DAM External TC LBMP Energy Sales	7%	8%	3%	5%	6%	3%	3%	3%	2%	3%	4%	6%
DAM Bilateral - Export/Non-LBMP Market Bilaterals 2% <td>DAM Bilateral - Internal Bilaterals</td> <td>28%</td> <td>28%</td> <td>29%</td> <td>31%</td> <td>31%</td> <td>29%</td> <td>26%</td> <td>26%</td> <td>27%</td> <td>30%</td> <td>31%</td> <td>29%</td>	DAM Bilateral - Internal Bilaterals	28%	28%	29%	31%	31%	29%	26%	26%	27%	30%	31%	29%
DAM Bilateral - Wheel Through Bilaterals2%2	DAM Bilateral - Importl/Non-LBMP Market Bilaterals	4%	4%	4%	5%	4%	4%	4%	5%	6%	5%	5%	5%
Balancing Energy Market MWh 942,823 742,449 758,386 772,666 378,503 464,231 567,602 785,464 361,883 379,932 519,117 528,939 Balancing Energy LSE Internal LBMP Energy Sales 88% 83% 76% 60% 65% 66% 72% 86% 66% 45% 38% 45% Balancing Energy External TC LBMP Energy Sales 16% 19% 24% 33% 32% 36% 23% 14% 34% 55% 58% 56% Balancing Energy Bilateral - Internal Bilaterals 1% 2% 2% 0% 5% 2% 1% 0% 1% 0% 2% 2% 0% 5% 2% 1% 0% 0% 0% 0% 0% 0% 0% 0% 0% 2% 2% 0%	DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	2%	1%	1%	2%	2%	2%	2%
Balancing Energy LSE Internal LBMP Energy Sales 88% 83% 76% 60% 65% 66% 72% 86% 66% 45% 38% 45% Balancing Energy External TC LBMP Energy Sales 16% 19% 24% 33% 32% 36% 23% 14% 34% 55% 58% 56% Balancing Energy Bilateral - Internal Bilaterals 1% 2% 0% 5% 2% 1% 0% 1% 2% 2% 1% 0% 1% 2% 2% 1% 0% 1% 2% 2% 1% 0% 1% 2% 2% 1% 0% 1% 2% 2% 1% 0% 0% 0% 0% 0% 2% 2% 2% 0%	DAM Bilateral - Wheel Through Bilaterals	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Balancing Energy External TC LBMP Energy Sales 16% 19% 24% 33% 32% 36% 23% 14% 34% 55% 58% 56% Balancing Energy Bilateral - Internal Bilaterals 1% 2% 2% 0% 5% 2% 1% 0% 1% 0% 2% 2% 1% 0% 1% 0% 2% 2% 1% 0% 1% 0% 2% 2% 1% 0% 1% 0% 2% 2% 1% 0% 1% 0% 2% 2% 1% 0% </td <td>Balancing Energy Market MWh</td> <td>942,823</td> <td>742,449</td> <td>758,386</td> <td>772,666</td> <td>378,503</td> <td>464,231</td> <td>567,602</td> <td>785,464</td> <td>361,883</td> <td>379,932</td> <td>519,117</td> <td>528,939</td>	Balancing Energy Market MWh	942,823	742,449	758,386	772,666	378,503	464,231	567,602	785,464	361,883	379,932	519,117	528,939
Balancing Energy Bilateral - Internal Bilaterals 1% 2% 2% 0% 5% 2% 1% 0% 1% 0% 2% 2% Balancing Energy Bilateral - Import//Non-LBMP Market Bilaterals 0% 0% 0% 0% 2% 2% 0% <td< td=""><td>Balancing Energy LSE Internal LBMP Energy Sales</td><td>88%</td><td>83%</td><td>76%</td><td>60%</td><td>65%</td><td>66%</td><td>72%</td><td>86%</td><td>66%</td><td>45%</td><td>38%</td><td>45%</td></td<>	Balancing Energy LSE Internal LBMP Energy Sales	88%	83%	76%	60%	65%	66%	72%	86%	66%	45%	38%	45%
Balancing Energy Bilateral - ImportI/Non-LBMP Market Bilaterals 0% 0% 0% 2% 2% 2% 0%	Balancing Energy External TC LBMP Energy Sales	16%	19%	24%	33%	32%	36%	23%	14%	34%	55%	58%	56%
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals 4% 9% 8% 7% 9% 8% 6% 3% 5% 7% 7% 5% Balancing Energy Bilateral - Wheel Through Bilaterals -9% -10% -1% -14% -4% -3% -5% -7% -5% -8% Image: Transactions Summary EBMP 67% 66% 65% 62% 63% 64% 68% 68% 65% 62% 64%	Balancing Energy Bilateral - Internal Bilaterals	1%	2%	2%	0%	5%	2%	1%	0%	1%	0%	2%	2%
Balancing Energy Bilateral - Wheel Through Bilaterals -9% -13% -10% -12% -14% -4% -3% -5% -7% -5% -8% Instactions Summary -10% 66% 65% 62% 63% 64% 68% 68% 65% 62% 64%	Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	2%	2%	2%	0%	0%	0%	0%	0%
Transactions Summary LBMP 67% 66% 65% 62% 64% 68% 68% 65% 62% 64%	Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	4%	9%	8%	7%	9%	8%	6%	3%	5%	7%	7%	5%
LBMP 67% 66% 65% 62% 63% 64% 68% 68% 65% 62% 62% 64%	Balancing Energy Bilateral - Wheel Through Bilaterals	-9%	-13%	-10%	-1%	-12%	-14%	-4%	-3%	-5%	-7%	-5%	-8%
	Transactions Summary												
Internal Bilaterals 26% 27% 27% 29% 30% 28% 25% 25% 27% 29% 29% 28%	LBMP	67%	66%	65%	62%	63%	64%	68%	68%	65%	62%	62%	64%
	Internal Bilaterals	26%	27%	27%	29%	30%	28%	25%	25%	27%	29%	29%	28%
Import Bilaterals 3% 4% 4% 4% 4% 4% 3% 4% 6% 5% 5% 5%	Import Bilaterals	3%	4%	4%	4%	4%	4%	3%	4%	6%	5%	5%	5%
Export Bilaterals 2%	•	2%	2%		2%	2%					2%	2%	2%
Wheels Through 1% 1% 2% 2% 2% 1% 2% 1% 2% 2% 2%	Wheels Through	1%	1%	2%	2%	2%	2%	1%	1%	2%	1%	2%	2%
Market Share of Total Load	Market Share of Total Load												
Day Ahead Market 93.8% 94.4% 94.1% 93.4% 97.0% 96.5% 96.6% 95.3% 97.2% 96.8% 95.8% 96.3%	Day Ahead Market	93.8%	94.4%	94.1%	93.4%	97.0%	96.5%	96.6%	95.3%	97.2%	96.8%	95.8%	96.3%
Balancing Energy + 6.2% 5.6% 5.9% 6.6% 3.0% 3.5% 3.4% 4.7% 2.8% 3.2% 4.2% 3.7%	Balancing Energy +	6.2%	5.6%	5.9%	6.6%	3.0%	3.5%	3.4%	4.7%	2.8%	3.2%	4.2%	3.7%
Total MWH 15,269,924 13,219,933 12,896,143 11,765,244 12,554,605 13,409,971 16,473,538 16,555,674 12,829,095 11,907,677 12,471,972 14,297,738	Total MWH	15,269,924	13,219,933	12,896,143	11,765,244	12,554,605	13,409,971	16,473,538	16,555,674	12,829,095	11,907,677	12,471,972	14,297,738
Average Daily Energy Sendout/Month GWh 451 429 390 359 372 422 509 514 411 359 382 421	Average Daily Energy Sendout/Month GWh	451	429	390	359	372	422	509	514	411	359	382	421

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

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

<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
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Notes: Percent totals may not equal 100% due to rounding. Virtual Transactions are not reflected in this chart.

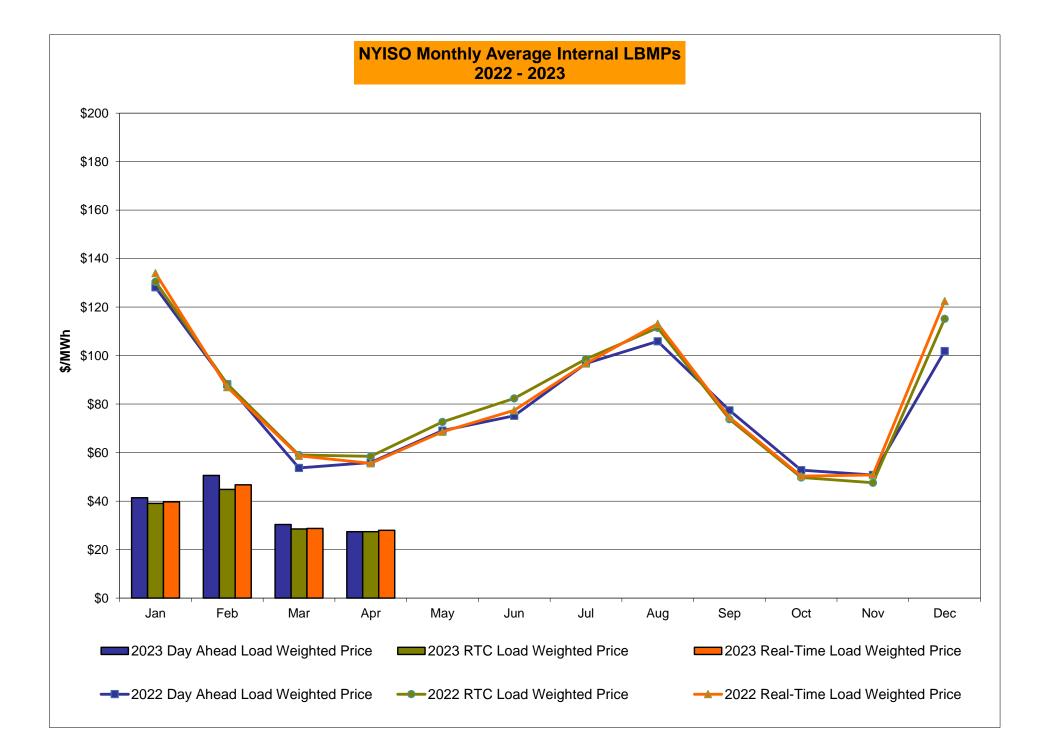
NYISO Markets 2022 Energy Statistics

	<u>January</u>	February	March	April	May	<u>June</u>	July	August	<u>September</u>	October November December
DAY AHEAD LBMP										
Price *	\$40.60	\$47.82	\$29.84	\$26.91						
Standard Deviation	\$10.32	\$47.20	\$7.42	\$6.50						
Load Weighted Price **	\$41.37	\$50.55	\$30.37	\$27.38						
RTC LBMP										
Price *	\$38.28	\$42.67	\$28.02	\$26.93						
Standard Deviation	\$31.37	\$39.75	\$11.53	\$9.23						
Load Weighted Price **	\$39.04	\$44.80	\$28.49	\$27.39						
REAL TIME LBMP										
Price *	\$38.76	\$43.99	\$28.15	\$27.41						
Standard Deviation	\$45.06	\$43.54	\$15.02	\$13.08						
Load Weighted Price **	\$39.68	\$46.75	\$28.72	\$27.97						
Average Daily Energy Sendout/Month GWh	410	408	387	349						

NYISO Markets 2021 Energy Statistics

	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	July	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
DAY AHEAD LBMP 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 Load Weighted Price **	\$51.94 \$128.16	\$39.56 \$88.17	\$18.64 \$53.69	\$11.05 \$55.96	\$21.60 \$69.05	\$19.84 \$75.15	\$40.00 \$96.74	\$33.52 \$105.93	\$22.13 \$77.41	\$11.85 \$52.79	\$20.31 \$50.77	\$64.21 \$101.90
C C	φ120.10	φου. Η	φ00.00	φ00.00	φ00.00	φ/0.10	ψ00.7 4	φ100.00	Ψ11.41	ψ02.75	φ00.11	φτοτ.σο
<u>RTC LBMP</u> 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 \$20.70	\$49.26	\$48.62	\$114.54
Standard Deviation Load Weighted Price **	\$93.35 \$133.98	\$57.99 \$86.99	\$44.52 \$58.64	\$20.46 \$55.57	\$33.01 \$68.60	\$41.27 \$77.40	\$54.20 \$96.79	\$69.83 \$113.16	\$30.72 \$74.57	\$17.89 \$50.30	\$37.20 \$50.78	\$216.43 \$122.49
C C	·		·	·	-	·		·	·		·	·
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.



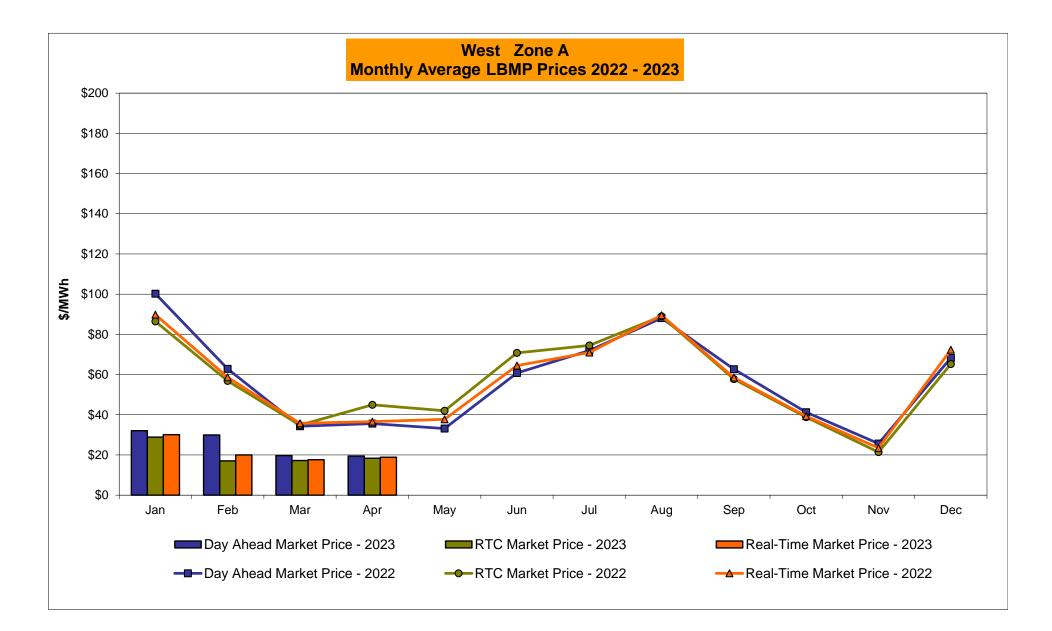
Market Mitigation and Analysis Prepared: 5/11/2023 2:27 PM

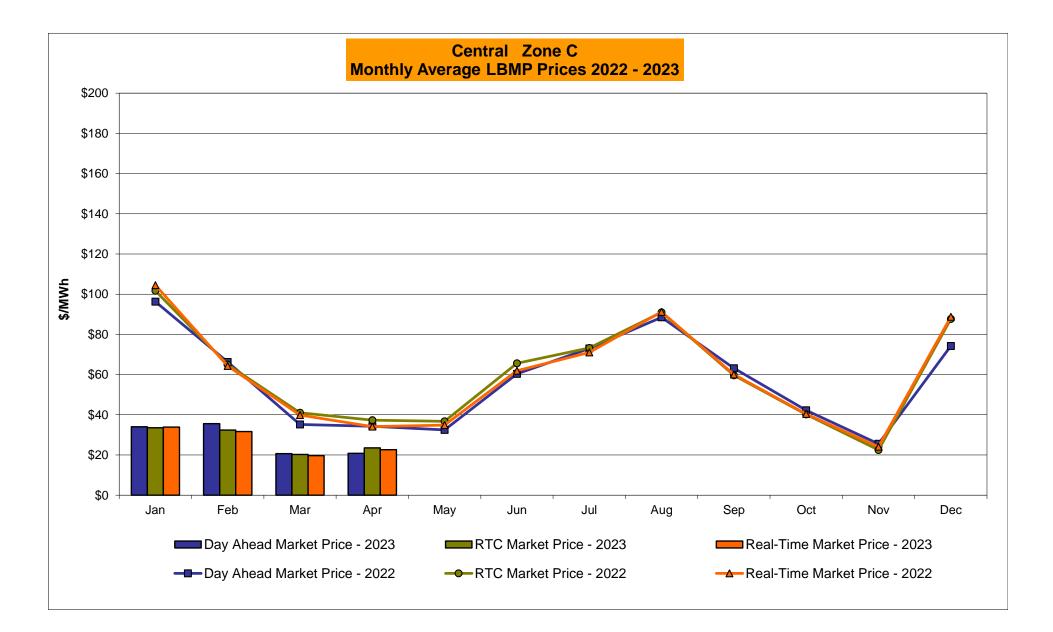
April 2023 Zonal LBMP Statistics for NYISO (\$/MWh)

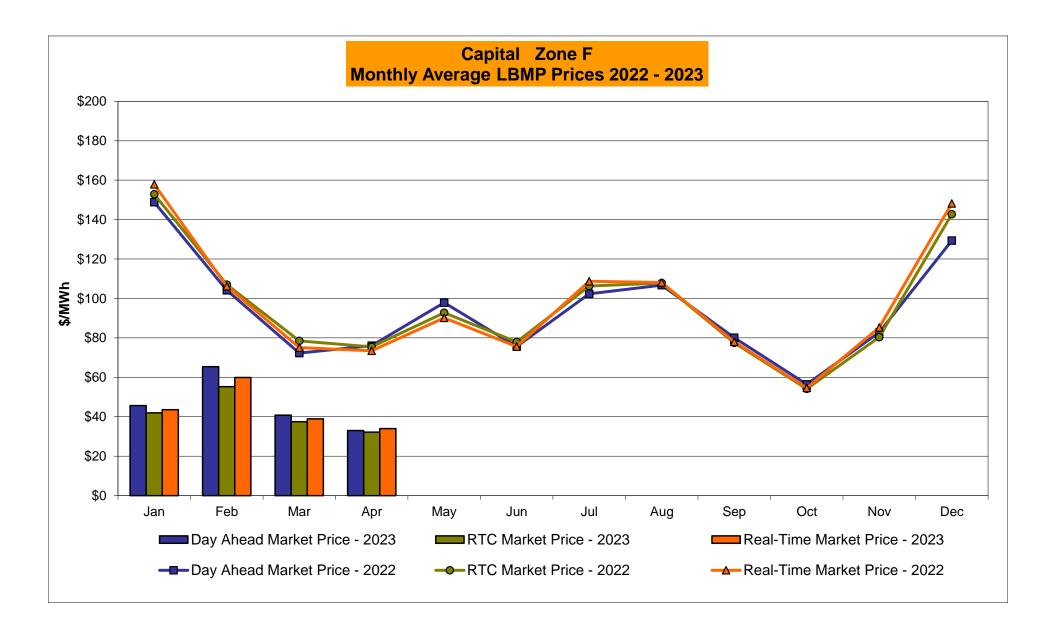
					MOHAWK		HUDSON			NEW YORK	LONG
	WEST	GENESEE	NORTH	CENTRAL	VALLEY	CAPITAL	VALLEY	MILLWOOD	DUNWOODIE	CITY	ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	<u>Zone H</u>	<u>Zone I</u>	<u>Zone J</u>	<u>Zone K</u>
DAY AHEAD LBMP											
Unweighted Price *	19.41	20.06	16.94	20.82	20.95	33.04	29.79	30.16	30.23	30.30	31.20
Standard Deviation	6.16	6.65	7.38	6.60	6.60	10.15	7.47	7.61	7.61	7.59	7.96
RTC LBMP											
Unweighted Price *	18.37	21.65	17.25	23.55	22.42	32.23	29.52	29.67	29.69	29.78	30.77
Standard Deviation	8.86	9.72	13.29	10.54	9.57	15.48	11.25	11.26	11.22	11.18	22.18
REAL TIME LBMP											
Unweighted Price *	18.87	21.14	16.51	22.62	21.93	34.03	30.49	30.65	30.66	30.75	30.63
Standard Deviation	10.74	11.36	14.67	11.68	11.33	25.11	16.83	16.89	16.83	16.80	17.96

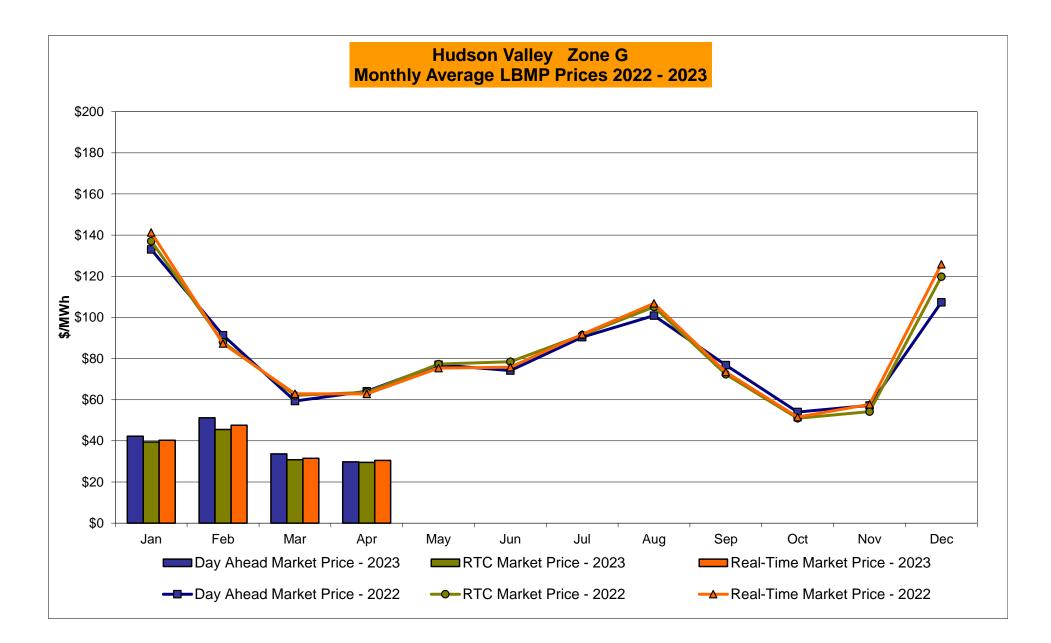
	ONTARIO IESO	HYDRO QUEBEC (Wheel)	HYDRO QUEBEC (Import/Export)	PJM	NEW ENGLAND	CROSS SOUND CABLE	NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
						<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>
	<u>Zone O</u>	Zone M	<u>Zone M</u>	Zone P	Zone N	Line	Line	Line	<u>Line</u>	Line	Line
DAY AHEAD LBMP											
Unweighted Price *	19.06	17.37	17.37	25.47	29.86	30.92	30.15	30.57	30.16	30.22	16.95
Standard Deviation	6.03	6.89	6.89	6.05	7.34	7.93	7.16	7.59	7.57	7.58	7.15
RTC LBMP											
Unweighted Price *	18.22	18.03	18.03	25.54	28.26	30.03	29.91	29.08	29.46	29.50	14.59
Standard Deviation	8.42	11.63	11.63	8.59	11.24	22.13	22.10	13.98	10.98	11.09	60.62
REAL TIME LBMP											
Unweighted Price *	19.24	17.24	17.24	25.96	30.37	29.84	28.64	29.04	30.48	30.62	15.57
Standard Deviation	11.29	14.06	14.06	11.92	20.16	17.86	21.38	15.02	16.71	16.78	25.99

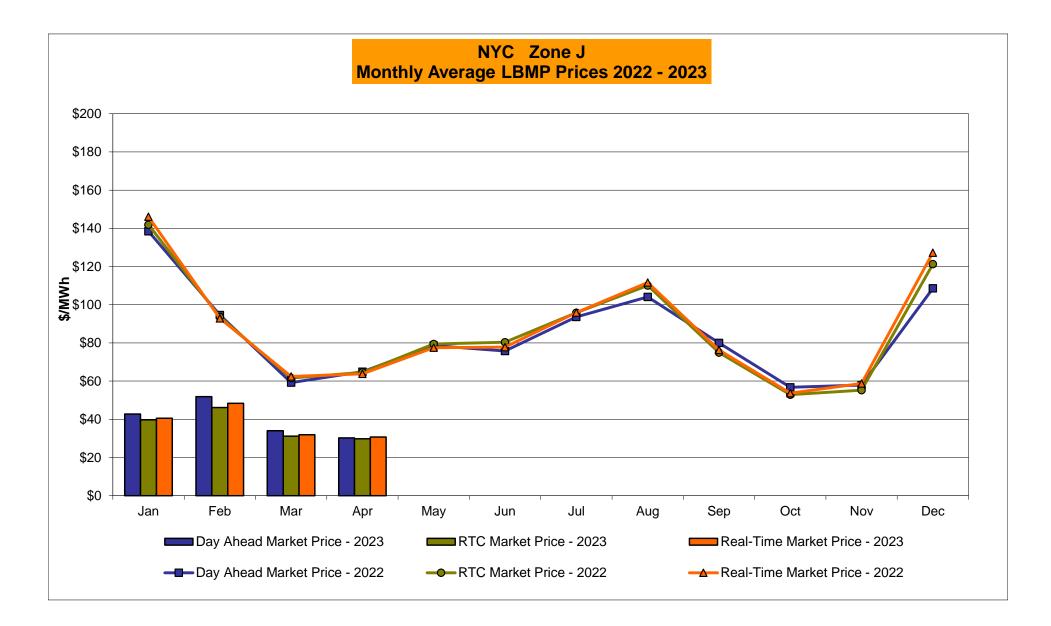
* Straight LBMP averages

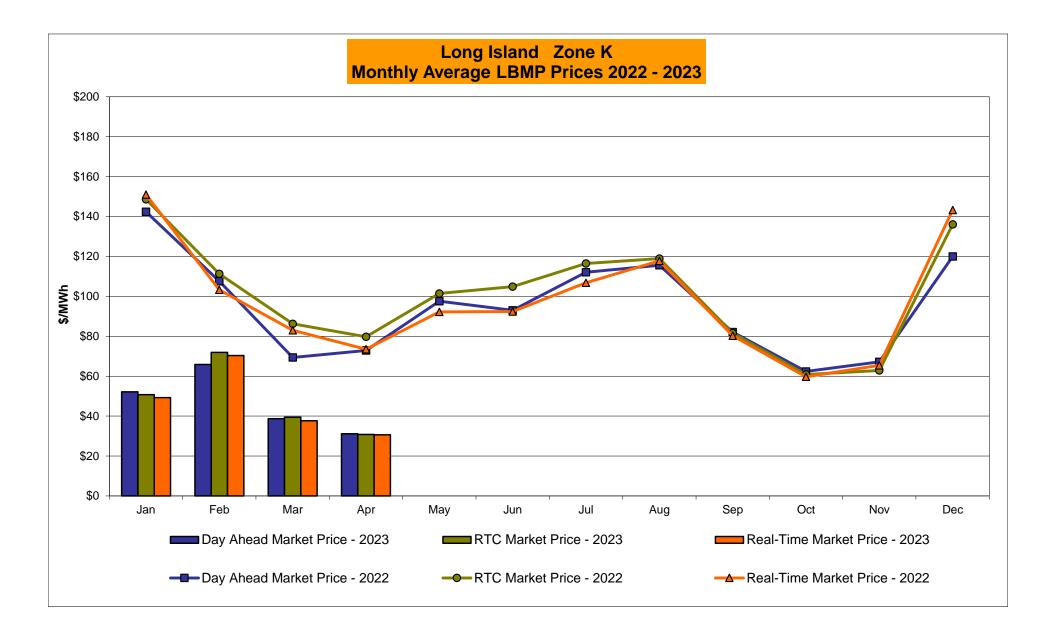


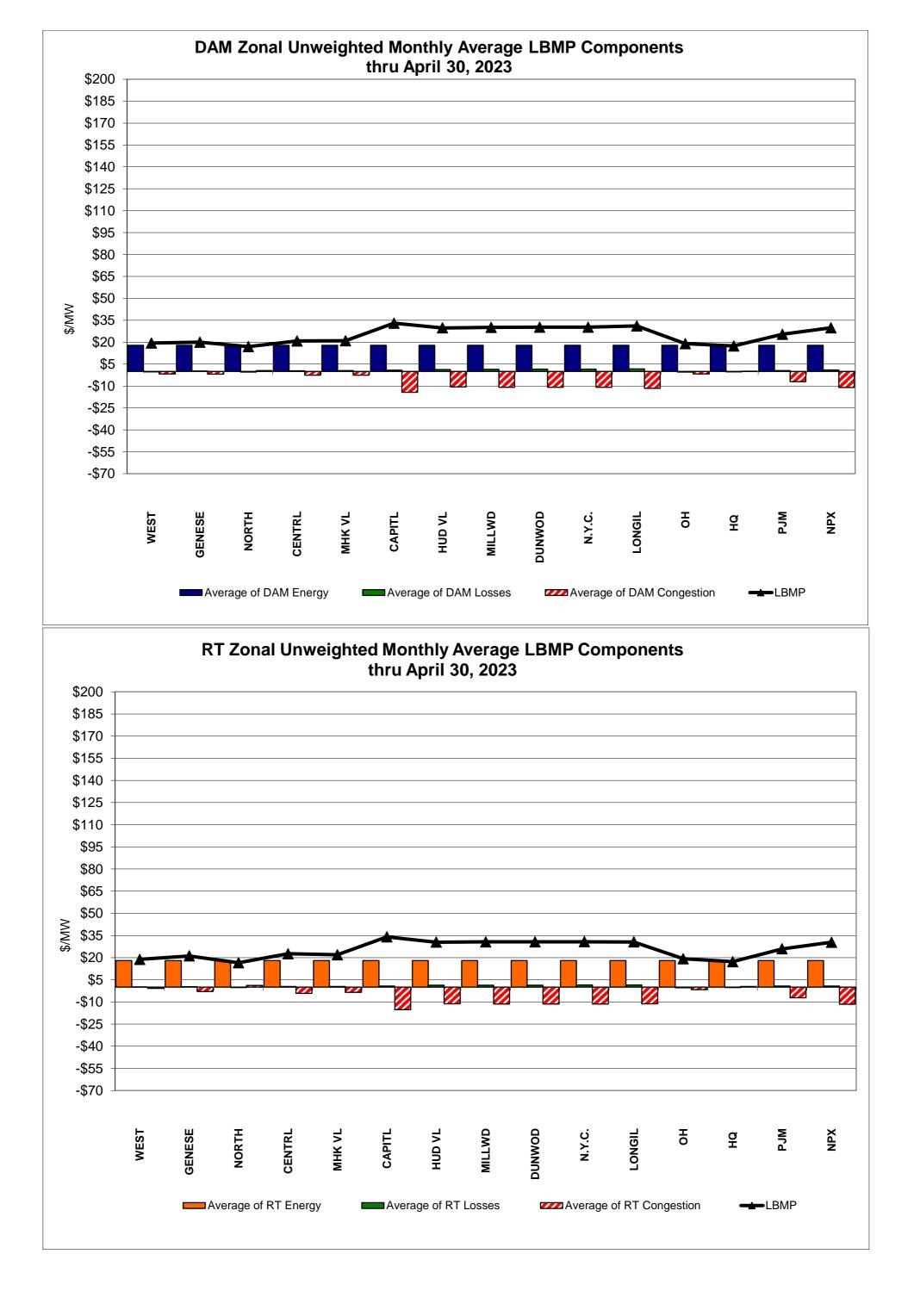




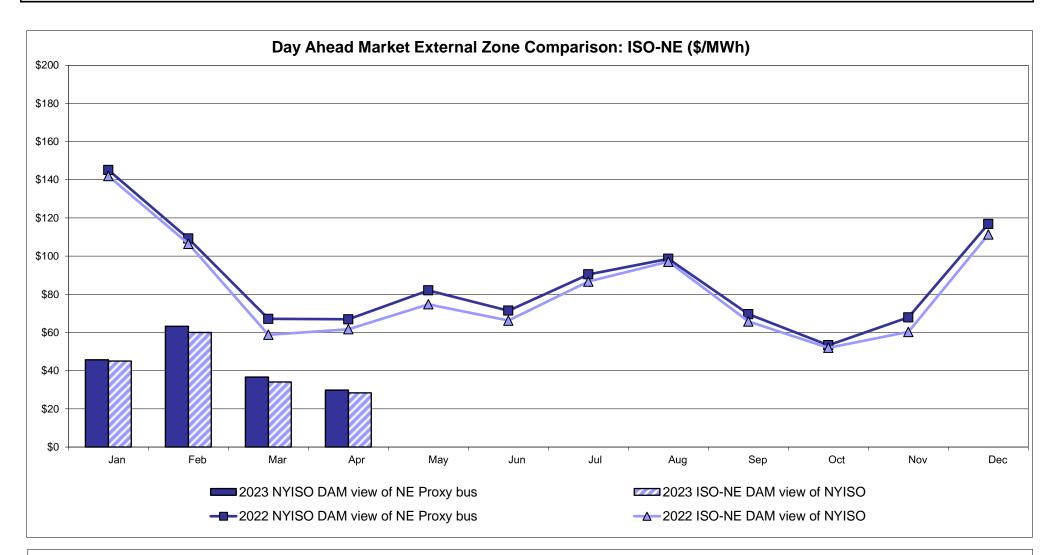


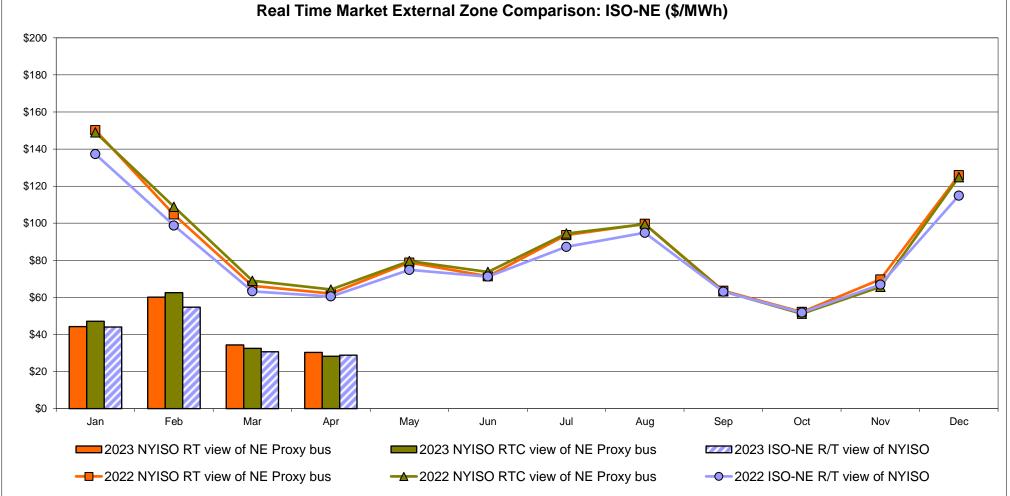


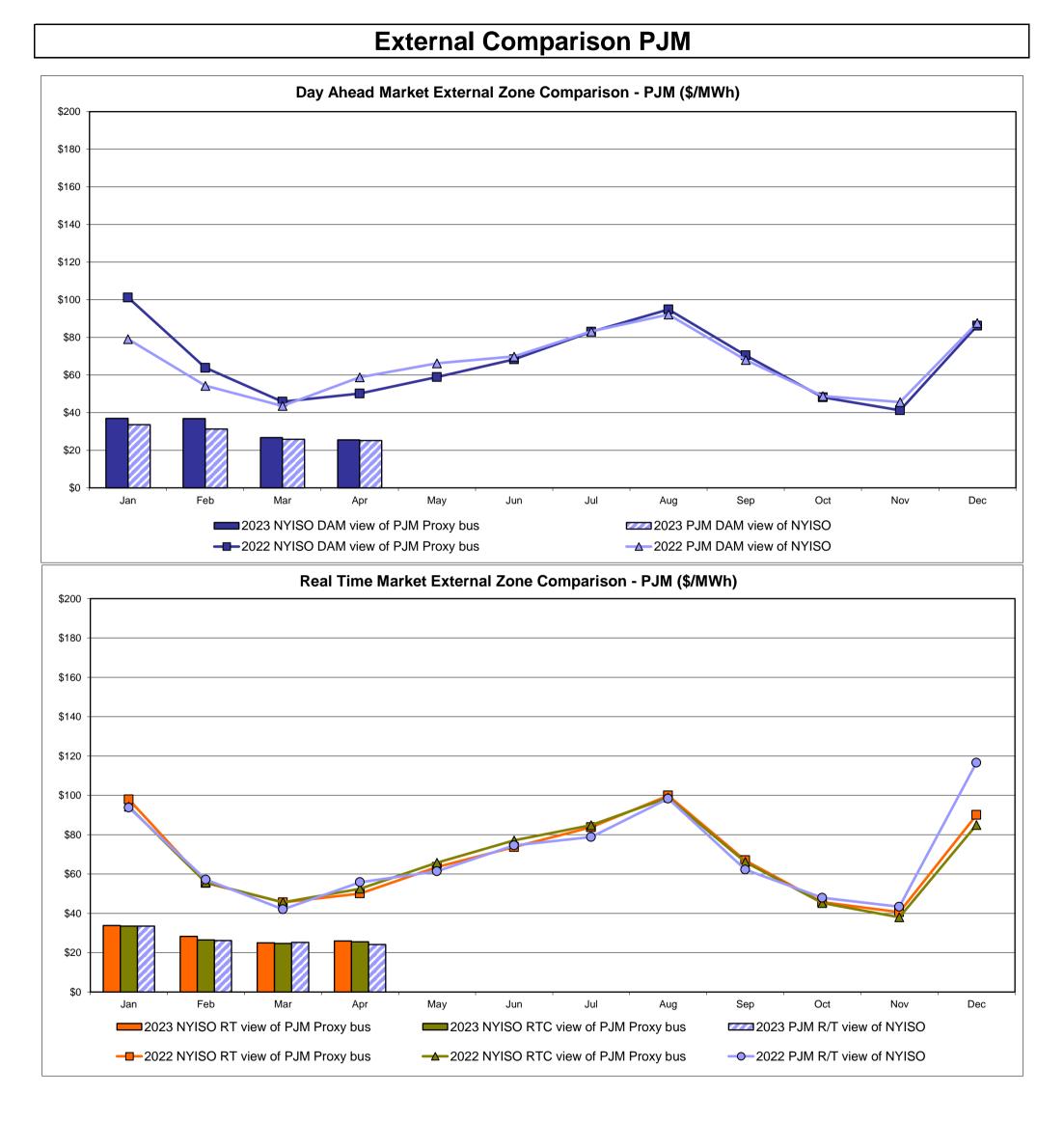




External Comparison ISO-New England



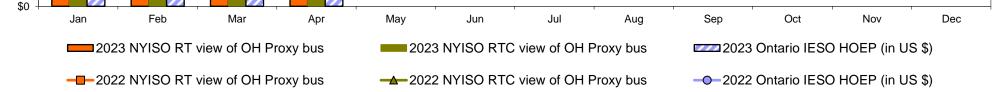




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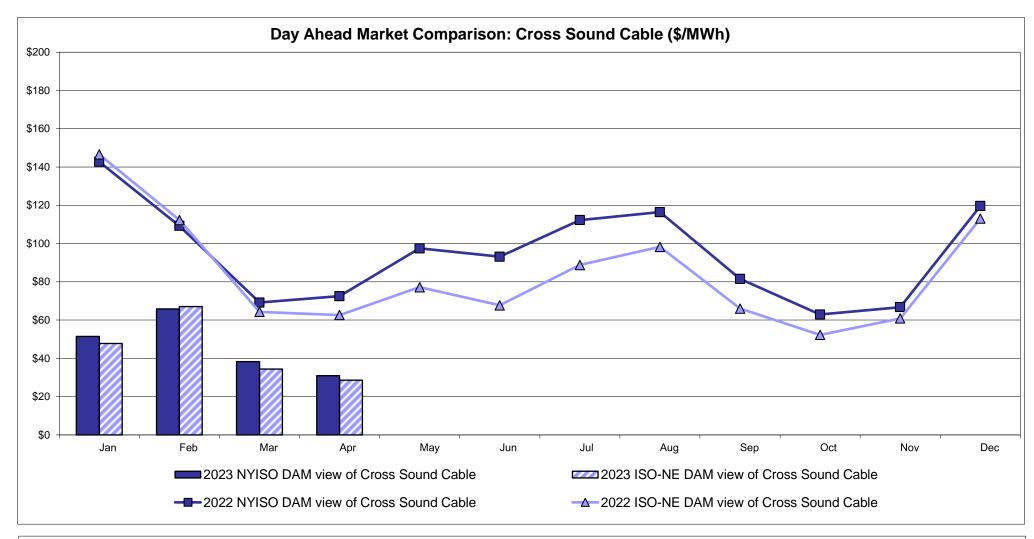
External Comparison Ontario IESO



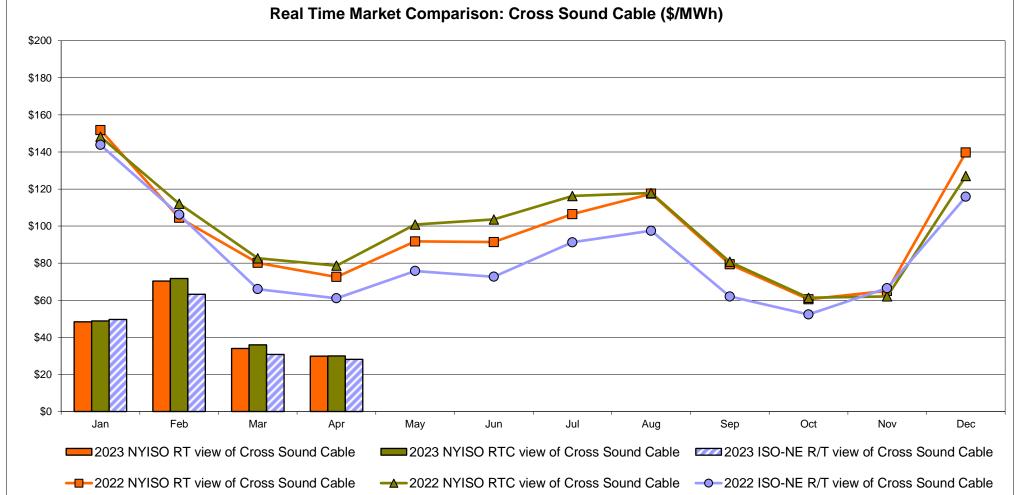


Notes: Exchange factor used for April 2023 was 0.741619697419163 to US HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price

> Market Mitigation and Analysis Prepared: 5/11/2023 2:35 PM



External Controllable Line: Cross Sound Cable (New England)

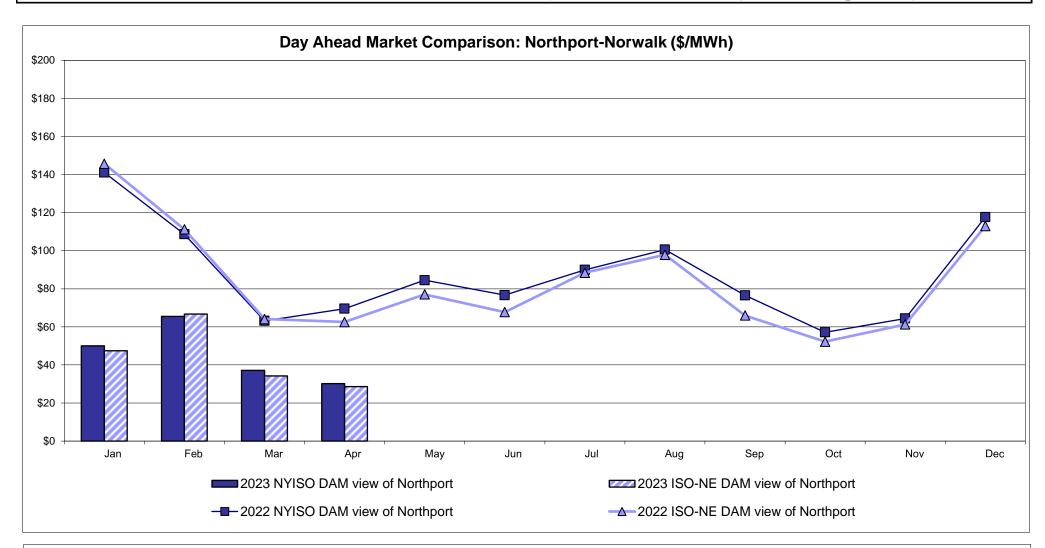


Note:

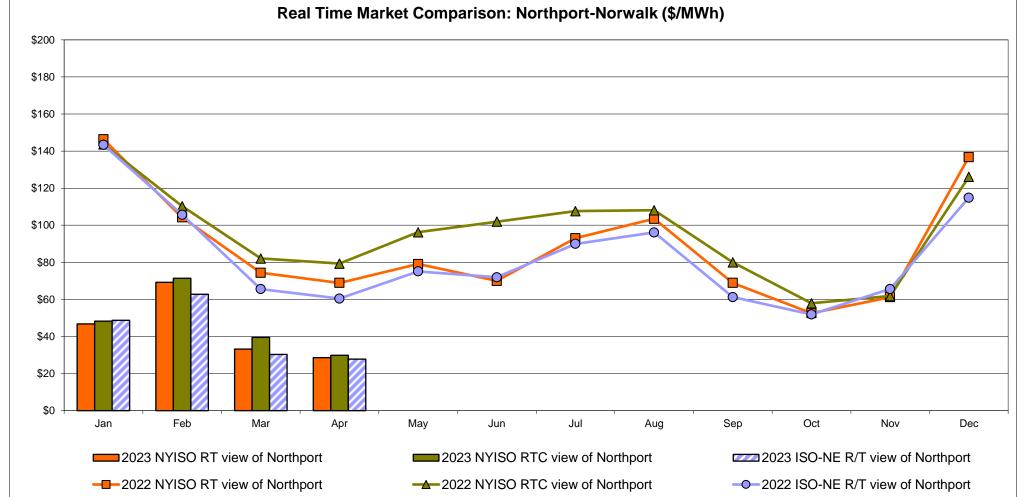
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)

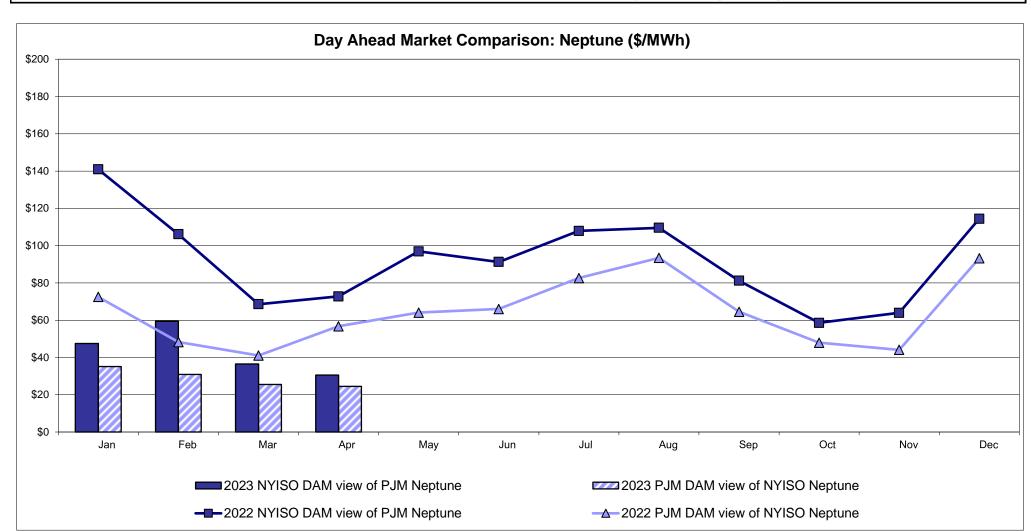


Note:

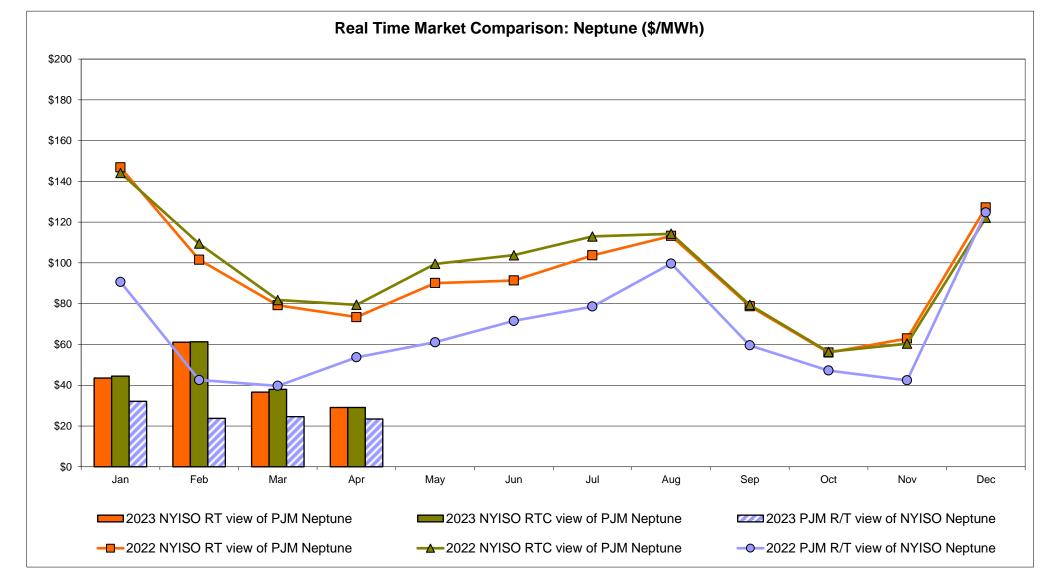
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

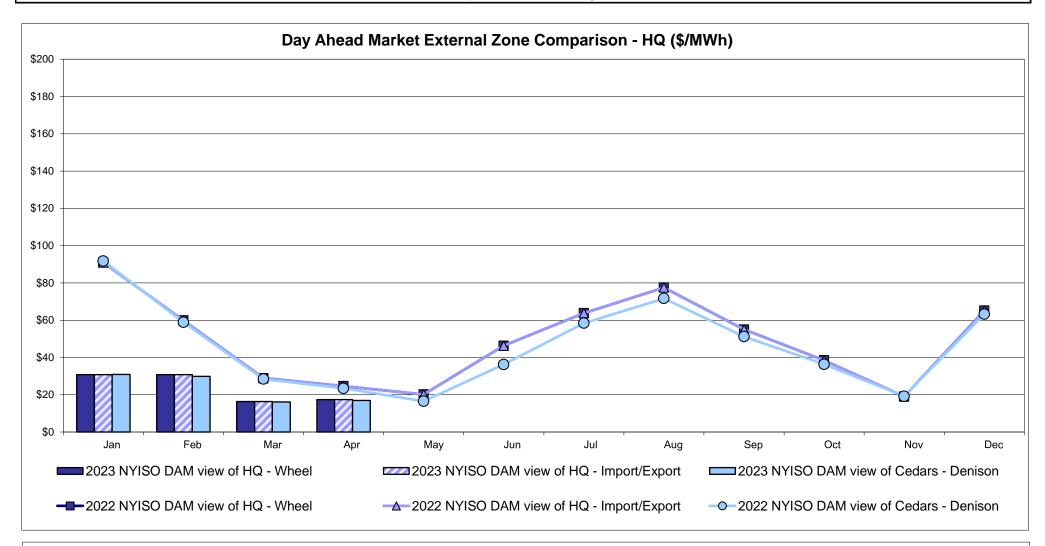
The DAM and R/T prices at the 1385 interface are used for NYISO.

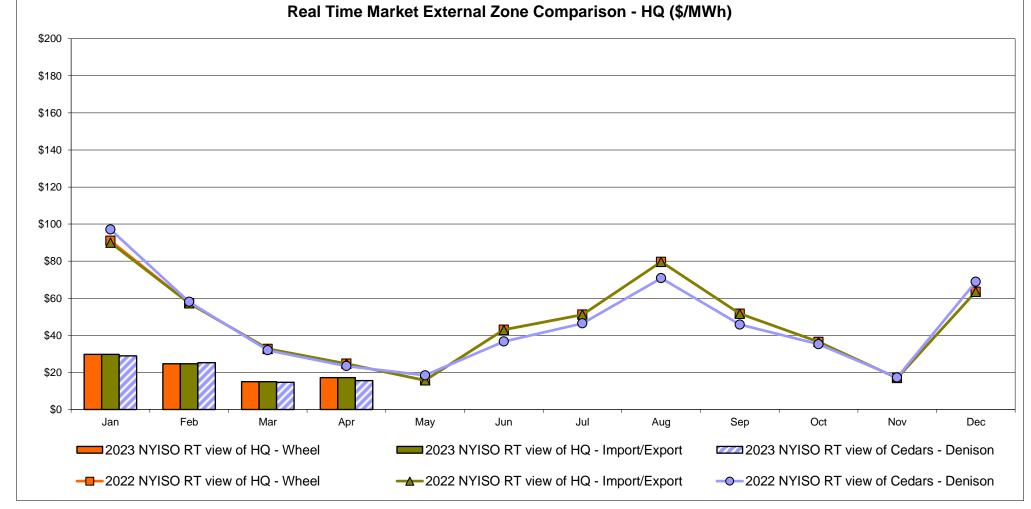


External Controllable Line: Neptune (PJM)



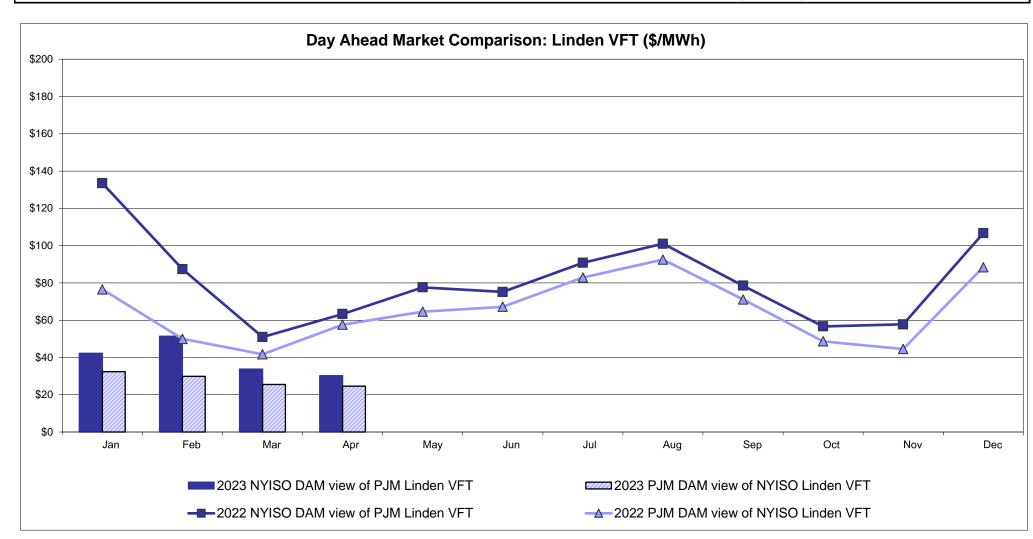
External Comparison Hydro-Quebec



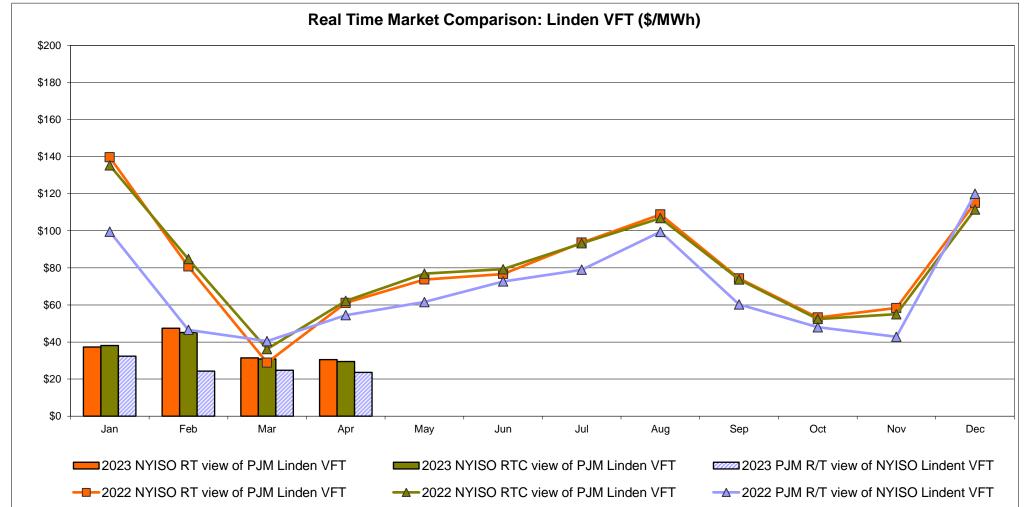


Note:

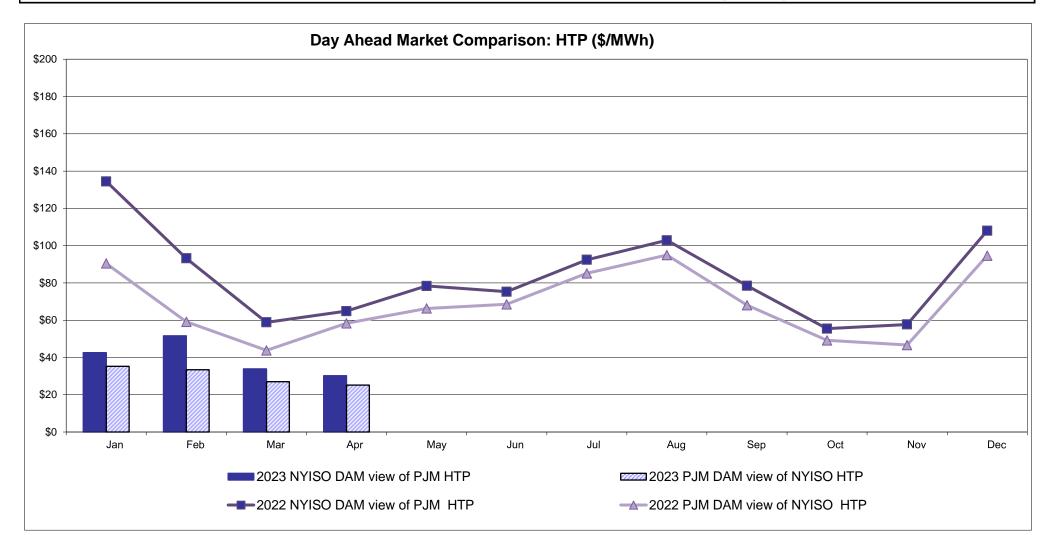
Hydro-Quebec Prices are unavailable.

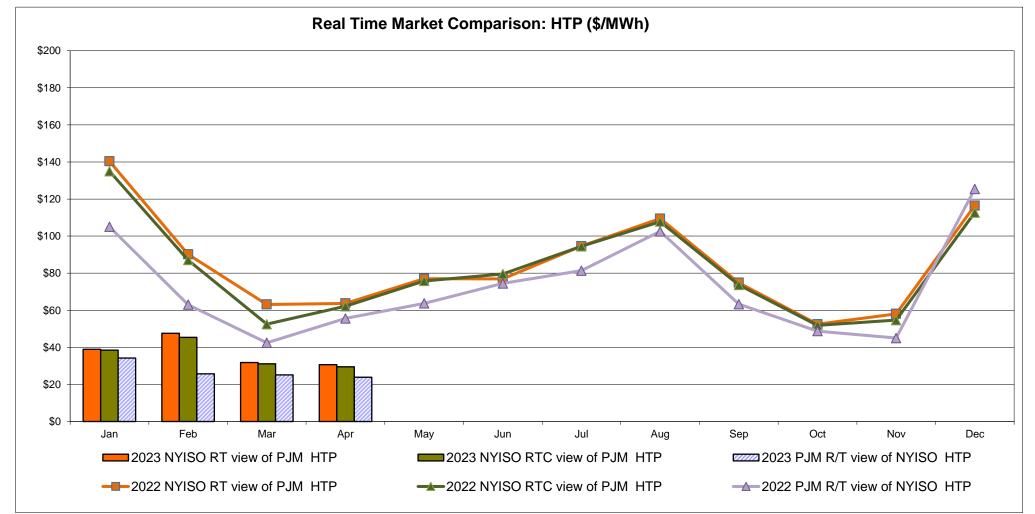


External Controllable Line: Linden VFT (PJM)



External Controllable Line: Hudson (PJM)



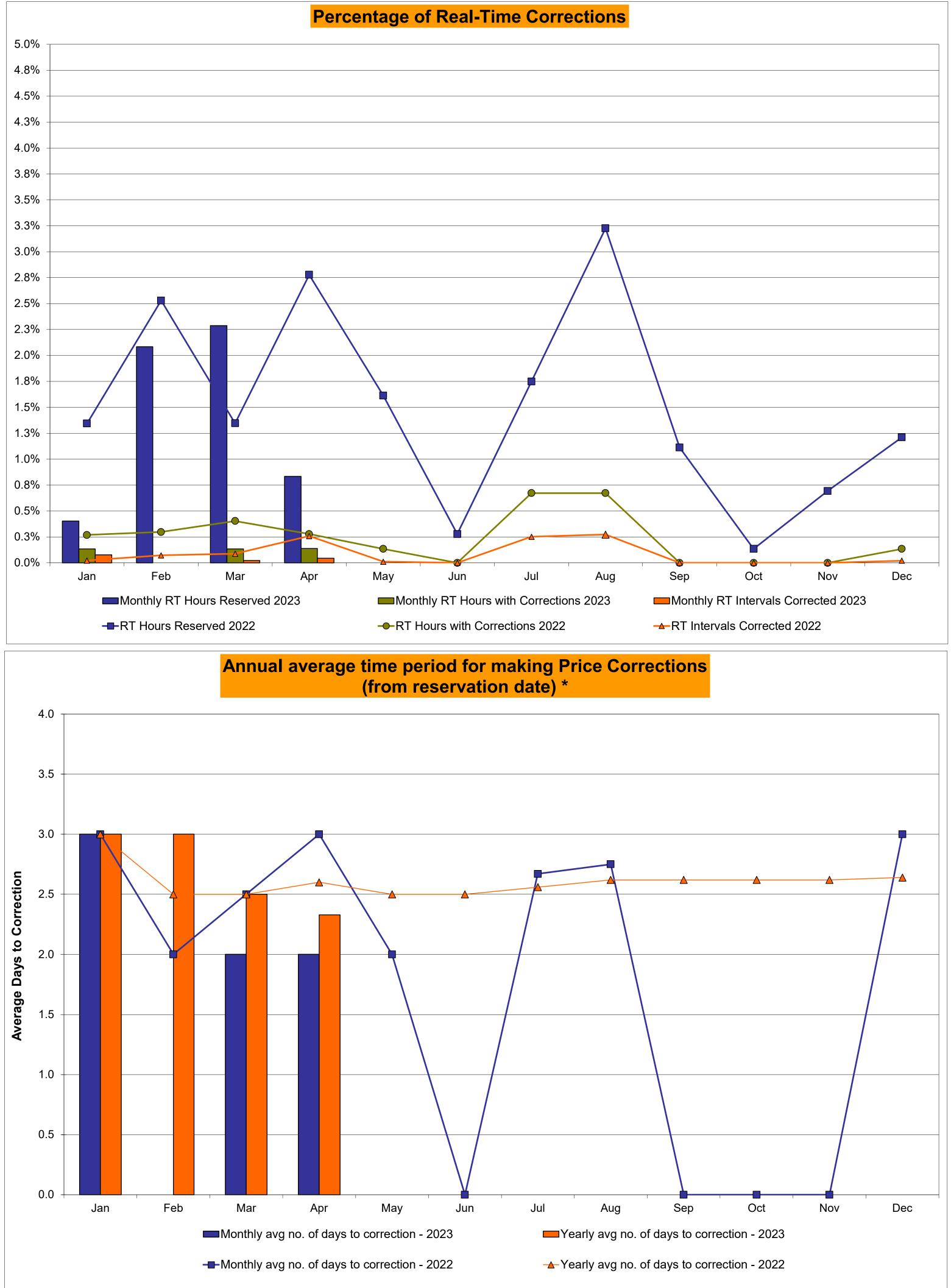


NYISO Real Time Price Correction Statistics

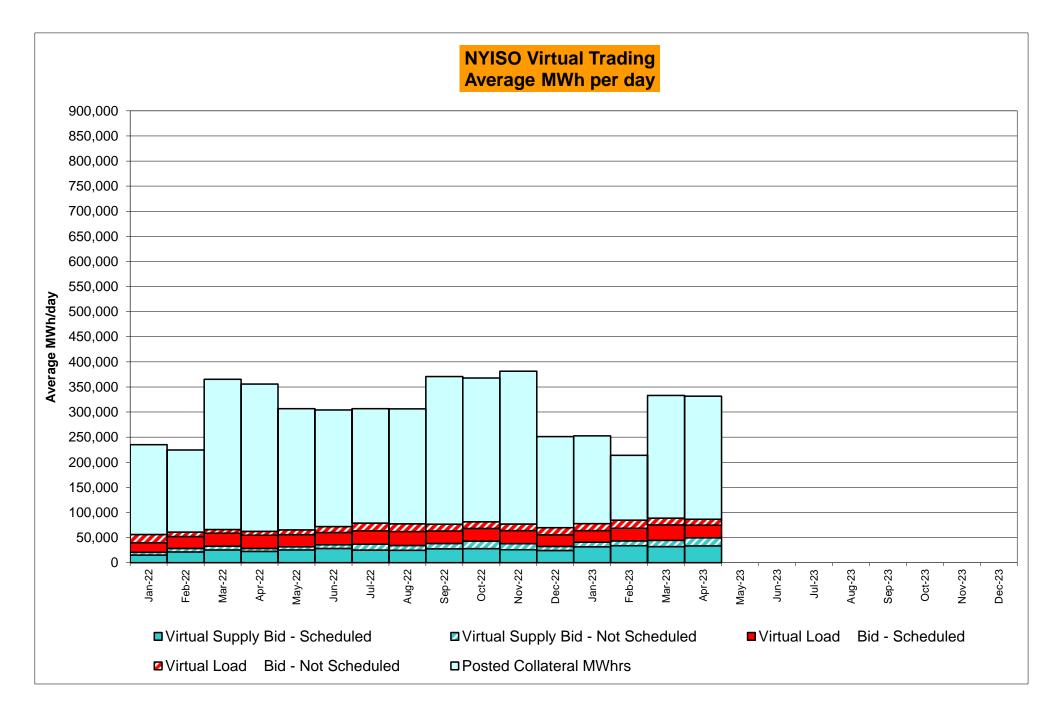
<u>2023</u>		<u>January</u>	<u>February</u>	March	<u>April</u>	May	June	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Hour Corrections					•								
Number of hours with corrections	in the month	1	0	1	0								
Number of hours	in the month	744	672	743	720								
% of hours with corrections	in the month	0.13%	0.00%	0.13%	0.00%								
% of hours with corrections	year-to-date	0.13%	0.07%	0.09%	0.07%								
Interval Corrections				-	_								
Number of intervals corrected	in the month	7	0	2	0								
Number of intervals	in the month	9,082	8,373	9,171	0								
% of intervals corrected	in the month	0.08%	0.00%	0.02%	#DIV/0!								
% of intervals corrected	year-to-date	0.08%	0.04%	0.03%	0.03%								
Hours Reserved													
Number of hours reserved	in the month	3	14	17	0								
Number of hours	in the month	744	672	743	720								
% of hours reserved	in the month	0.40%	2.08%	2.29%	0.00%								
% of hours reserved	year-to-date	0.40%	1.20%	1.57%	1.18%								
Days to Correction *													
Avg. number of days to correction	in the month	3.00	0.00	2.00	2.00								
Avg. number of days to correction	year-to-date	3.00	3.00	2.50	2.33								
Days Without Corrections													
Days without corrections	in the month	30	28	30	0								
Days without corrections	year-to-date	30	58	88	88								
2022		January	February	March	April	May	June	July	August	September	October	November	December
2022 Hour Corrections		<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Hour Corrections	in the month					<u>May</u> 1				<u>September</u> 0			<u>December</u> 1
Hour Corrections Number of hours with corrections	in the month in the month	2	2	3	2	1	0	5	5	0	0	0	1
Hour Corrections	in the month in the month in the month					<u>May</u> 1 744 0.13%							<u>December</u> 1 744 0.13%
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	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 CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals corrected	in the month in the month year-to-date in the month	2 744 0.27% <u>0.27%</u> 2	2 672 0.30% <u>0.28%</u> 6	3 743 0.40% 0.32% 8	2 720 0.28% 0.31% 23	1 744 0.13% <u>0.28%</u> 1	0 720 0.00% <u>0.23%</u> 0	5 744 0.67% <u>0.29%</u> 23	5 744 0.67% <u>0.34%</u> 25	0 720 0.00% <u>0.31%</u> 0	0 744 0.00% <u>0.27%</u> 0	0 721 0.00% <u>0.25%</u> 0	1 744 0.13% <u>0.24%</u> 2
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 9,258	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% 23 9,140	5 744 0.67% 0.34%	0 720 0.00% 0.31%	0 744 0.00% 0.27%	0 721 0.00% 0.25% 0 8,857	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% <u>0.27%</u> 2 9,258 0.02%	2 672 0.30% <u>0.28%</u> 6 8,338 0.07%	3 743 0.40% <u>0.32%</u> 8 9,118 0.09%	2 720 0.28% 0.31% 23 8,908 0.26%	1 744 0.13% <u>0.28%</u> 1 9,181 0.01%	0 720 0.00% <u>0.23%</u> 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% <u>0.31%</u> 0 8,825 0.00%	0 744 0.00% <u>0.27%</u> 0 9,097 0.00%	0 721 0.00% 0.25% 0 8,857 0.00%	1 744 0.13% <u>0.24%</u> 2 9,317 0.02%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals corrected% of intervals corrected% of intervals corrected	in the month in the month year-to-date in the month in the month	2 744 0.27% 0.27% 2 9,258	2 672 0.30% 0.28% 6 8,338	3 743 0.40% 0.32% 8 9,118	2 720 0.28% 0.31% 23 8,908	1 744 0.13% <u>0.28%</u> 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% <u>0.27%</u> 0 9,097	0 721 0.00% 0.25% 0 8,857	1 744 0.13% <u>0.24%</u> 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 % of intervals corrected % of intervals corrected	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% <u>0.28%</u> 6 8,338 0.07% 0.05%	3 743 0.40% <u>0.32%</u> 8 9,118 0.09% <u>0.06%</u>	2 720 0.28% 0.31% 23 8,908 0.26% 0.11%	1 744 0.13% <u>0.28%</u> 1 9,181 0.01% <u>0.09%</u>	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% <u>0.34%</u> 25 9,145 0.27% 0.12%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11%	0 744 0.00% <u>0.27%</u> 0 9,097 0.00%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09%	1 744 0.13% <u>0.24%</u> 2 9,317 0.02% <u>0.08%</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 Number of intervals corrected % of intervals corrected % of intervals corrected % of intervals corrected % of intervals corrected Number of hours reserved	in the month in the month year-to-date 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	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20	1 744 0.13% <u>0.28%</u> 1 9,181 0.01% <u>0.09%</u> 12	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5	1 744 0.13% <u>0.24%</u> 2 9,317 0.02% <u>0.08%</u> 9
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 % of intervals corrected % of intervals corrected Number of 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 in the month	2 744 0.27% 0.27% 2 9,258 0.02% 0.02% 10 744	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20 720	1 744 0.13% 0.28% 1 9,181 0.01% 0.09% 12 744	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744	5 744 0.67% <u>0.34%</u> 25 9,145 0.27% 0.12% 24 744	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8 720	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721	1 744 0.13% <u>0.24%</u> 2 9,317 0.02% <u>0.08%</u> 9 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals corrected % of intervals corrected % of intervals corrected % of intervals corrected % of intervals corrected Number of hours reserved	in the month in the month year-to-date 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	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20	1 744 0.13% <u>0.28%</u> 1 9,181 0.01% <u>0.09%</u> 12	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5	1 744 0.13% <u>0.24%</u> 2 9,317 0.02% <u>0.08%</u> 9
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Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsMumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reservedNumber of hours reserved% of hours reservedDays to Correction *Avg. number of days to correctionAvg. number of days to correctionAvg. 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 year-to-date in the month year-to-date	2 744 0.27% 0.27% 0.27% 2 9,258 0.02% 0.02% 0.02% 10 744 1.34% 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% 0.11% 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 CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reservedNumber of hours reserved% of hours reservedMumber of days to correctionAvg. number of days to correctionAvg. 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 in the month	2 744 0.27% 0.27% 2 9,258 0.02% 0.02% 10 744 1.34% 1.34% 1.34% 3.00	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672 2.53% 1.91% 2.00	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743 1.35% 1.71% 2.50	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% 2.00	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720 0.28% 1.63% 0.00	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744 1.75% 1.65% 2.67	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744 3.23% 1.85% 2.75	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 0.11% 1.11% 1.77% 0.00	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744 0.13% 1.60% 0.00	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721 0.69% 1.52% 0.00	1 744 0.13% 0.24% 2 9,317 0.02% 0.08% 9 744 1.21% 1.50% 3.00

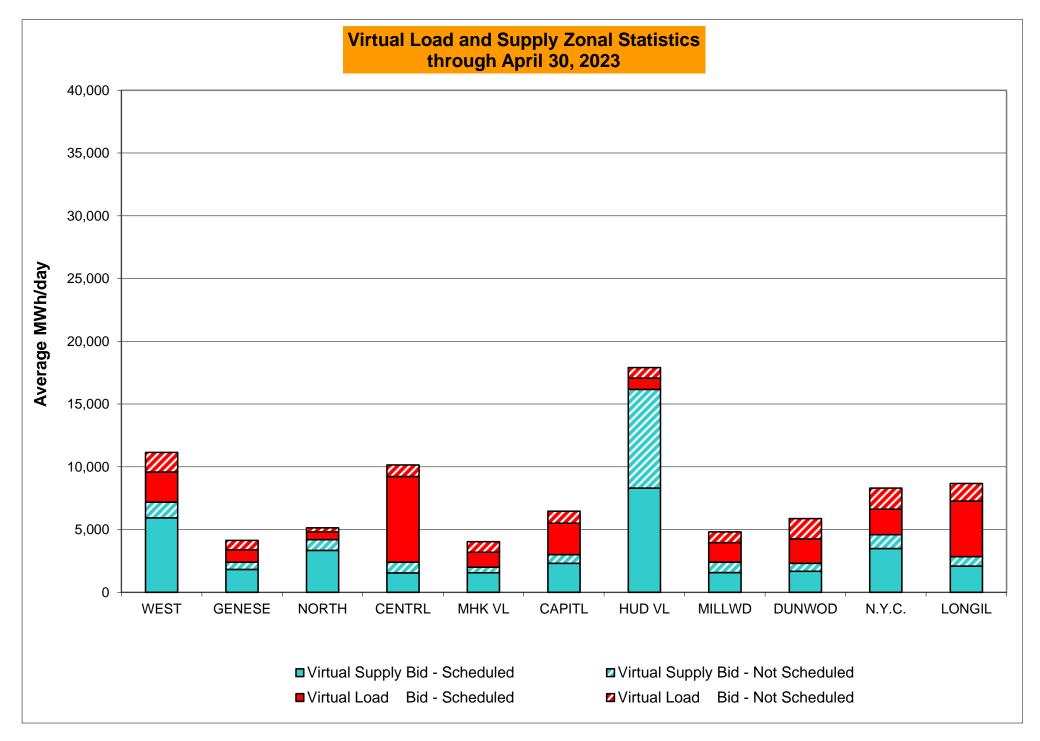
*Calendar days from reservation date; for June 2018 forward, business days from market date

May/June 2017 Hours Reserved data has been updated for the July 2017 Monthly Market Operations Report.



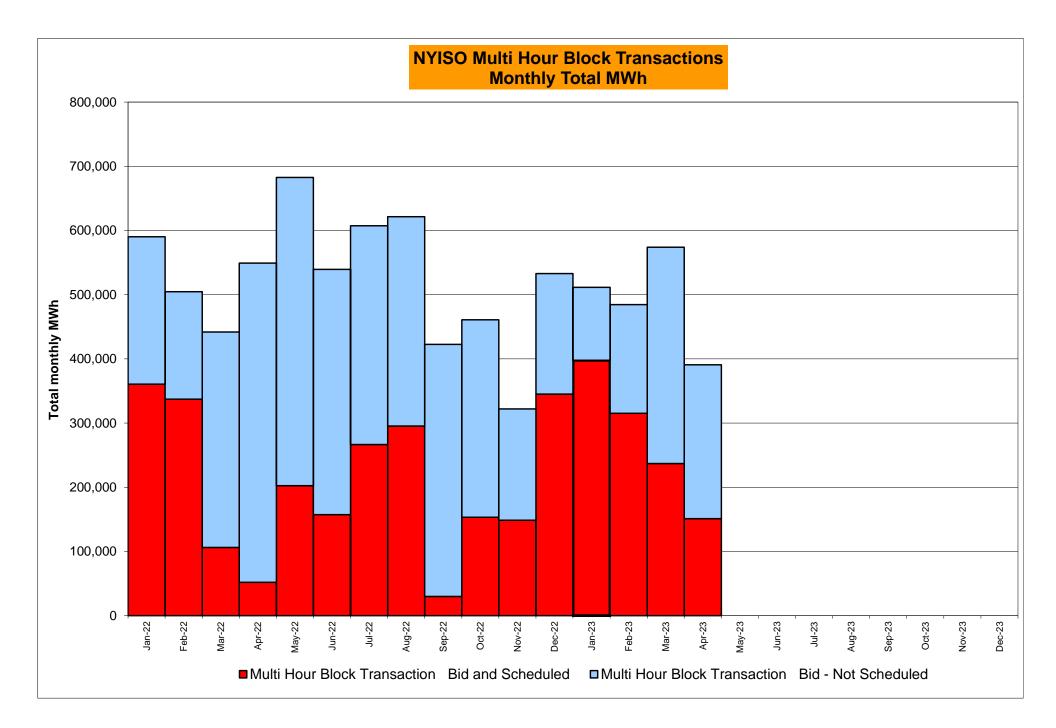
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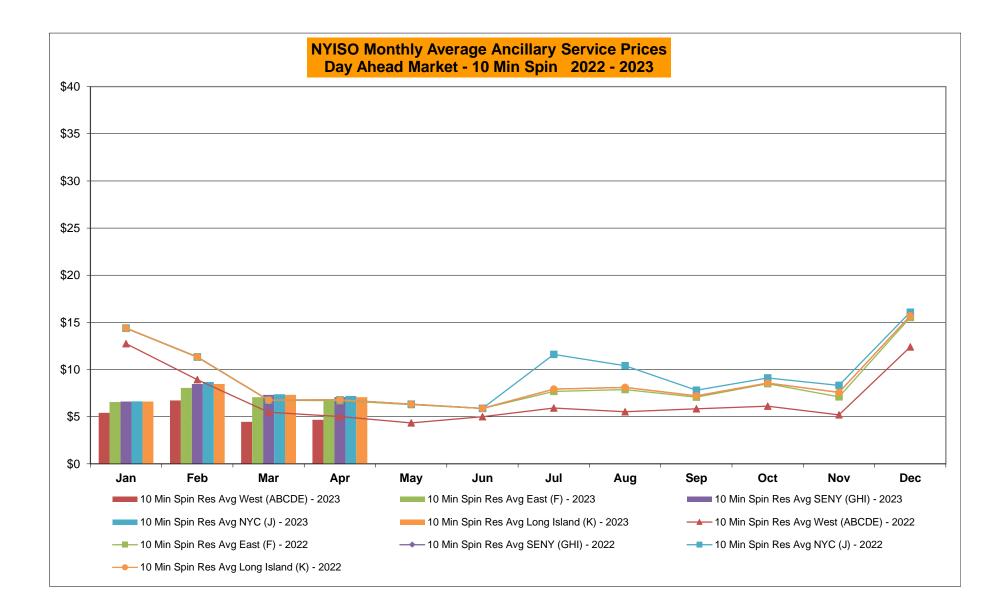


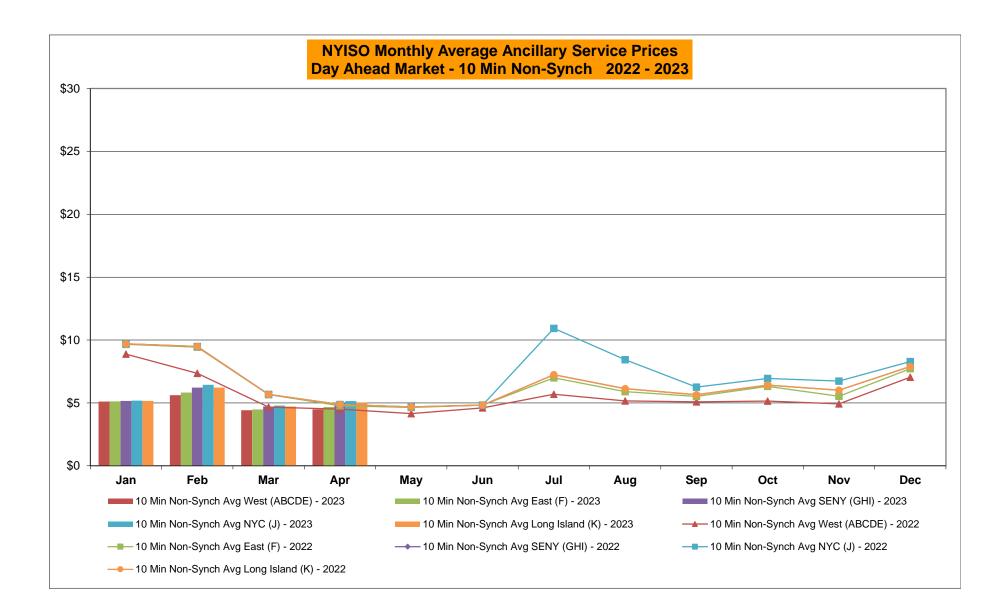


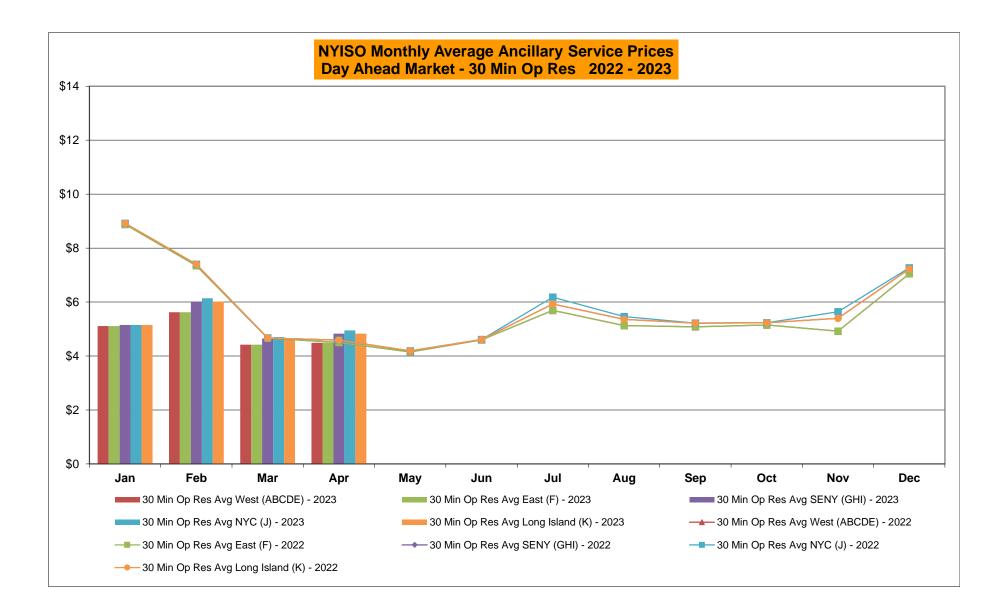
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2023

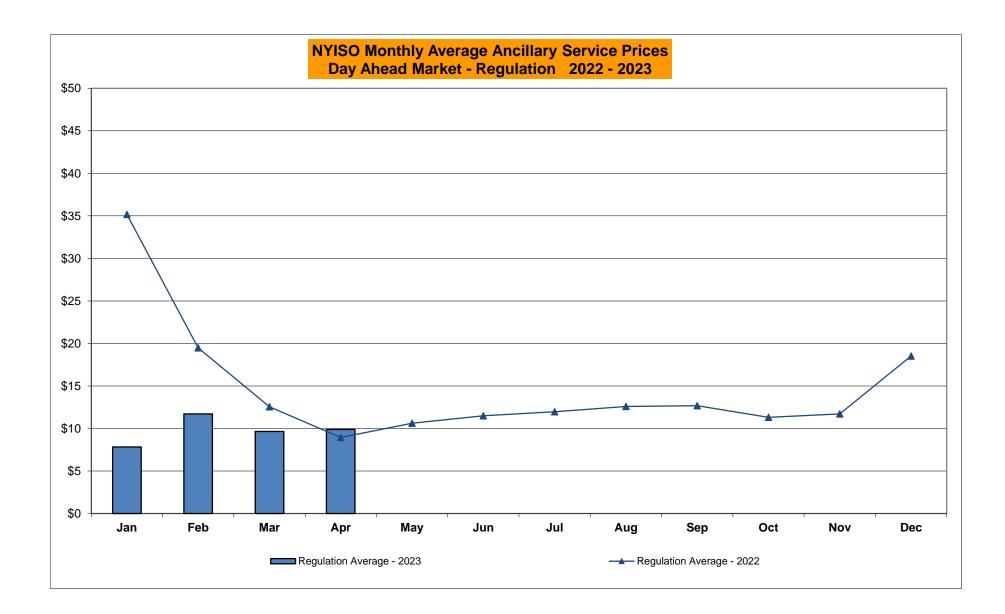
		Virtual L	oad Bid	Virtual Su	ipply Bid			Virtual L	oad Bid	Virtual Su	upply Bid			Virtual L	.oad Bid	Virtual Su	upply Bid
			Not		Not				Not		Not				Not		Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date				Scheduled	Zone	Date		Scheduled		Scheduled
WEST	Jan-23	3,364	1,605	5,555	1,026	MHK VL	Jan-23			1,590		DUNWOD	Jan-23		1,623	1,884	
	Feb-23	2,266		6,652	1,270		Feb-23			2,484			Feb-23	-	1,793	2,082	
	Mar-23	3,318			2,062		Mar-23			1,488			Mar-23		1,556	2,093	
	Apr-23	2,407	1,561	5,939	1,245		Apr-23		841	1,556	450		Apr-23		1,615	1,682	633
	May-23						May-23						May-23				
	Jun-23						Jun-23						Jun-23				
	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				
CENEOF	lan 00	4 005	400	1 400	055		lon 00	4 700	0.04	4 00 4	047		lon 00	0.074	0.007	A E 4 0	077
GENESE	Jan-23	1,005		1,438	255	CAPITL	Jan-23			1,824		N.Y.C.	Jan-23		2,287	4,516	
	Feb-23 Mar-23	1,136 835		1,480 1,562	586 905		Feb-23 Mar-23			2,655 2,454			Feb-23 Mar-23		2,398 2,393	3,564 4,646	
	Apr-23	982			905 584					2,454			Apr-23	,	2,393	4,646	
	May-23	902	/40	1,017	204		Apr-23 May-23	,	960	2,303	690		May-23		1,003	3,490	1,100
	Jun-23						Jun-23						Jun-23				
	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				
	200 20						200 20						000 20				
NORTH	Jan-23	1,246	284	2,910	1,072	HUD VL	Jan-23	835	1,168	5,672	1,513	LONGIL	Jan-23	4,119	2,358	2,370	1,687
	Feb-23	1,111	302	2,854	1,432		Feb-23	1,335	1,484	5,382	1,297		Feb-23	4,408	2,440	2,494	1,130
	Mar-23	789	383	3,605	1,395		Mar-23	2,224	1,049	5,815	1,357		Mar-23		1,753	1,778	
	Apr-23	615	332	3,338	854		Apr-23	896	846	8,301	7,864		Apr-23	4,436	1,401	2,087	746
	May-23						May-23						May-23				
	Jun-23						Jun-23						Jun-23				
	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				
CENTRI		E 004	4 400	4 745	FOO		lan 00	040	4 4 0 0	0.040	070	NIVICO	lan 00	00.400	40.000	04 404	0.405
CENTRL	Jan-23	5,294	1,193		563	MILLWD				2,019		NYISO	Jan-23		13,963	31,494	
	Feb-23	6,851	1,526		703		Feb-23			2,021			Feb-23		16,118		
	Mar-23 Apr-23	6,340 6,824		1,355 1,546	1,520 855		Mar-23 Apr-23			1,938 1,566			Mar-23 Apr-23		13,262 11,752	32,086 33,625	
	May-23	0,024	914	1,340	000				003	006,1	001	—	May-23		11,752	JJ,025	10,000
	Jun-23						May-23 Jun-23						Jun-23				
	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				

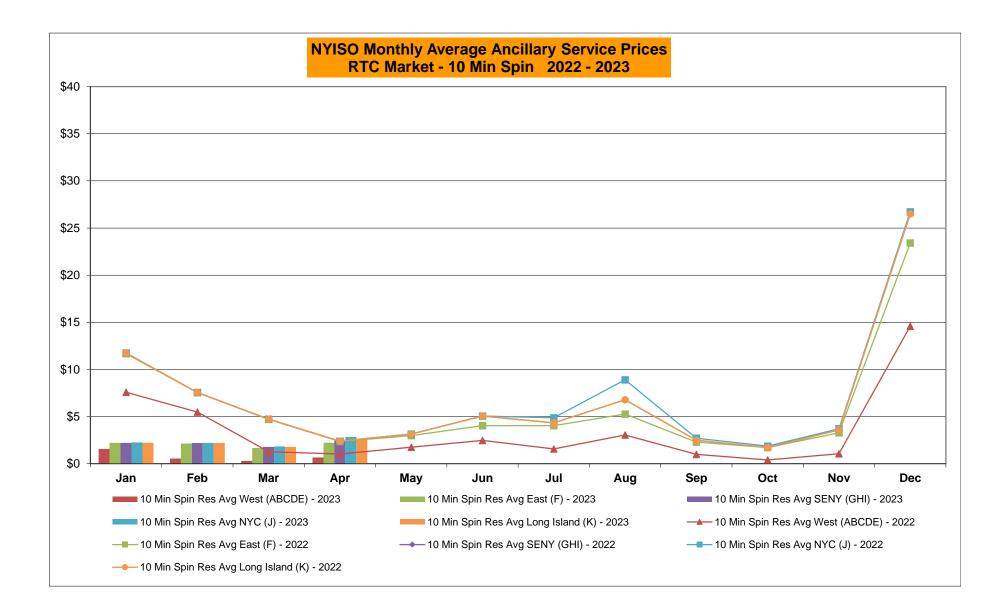


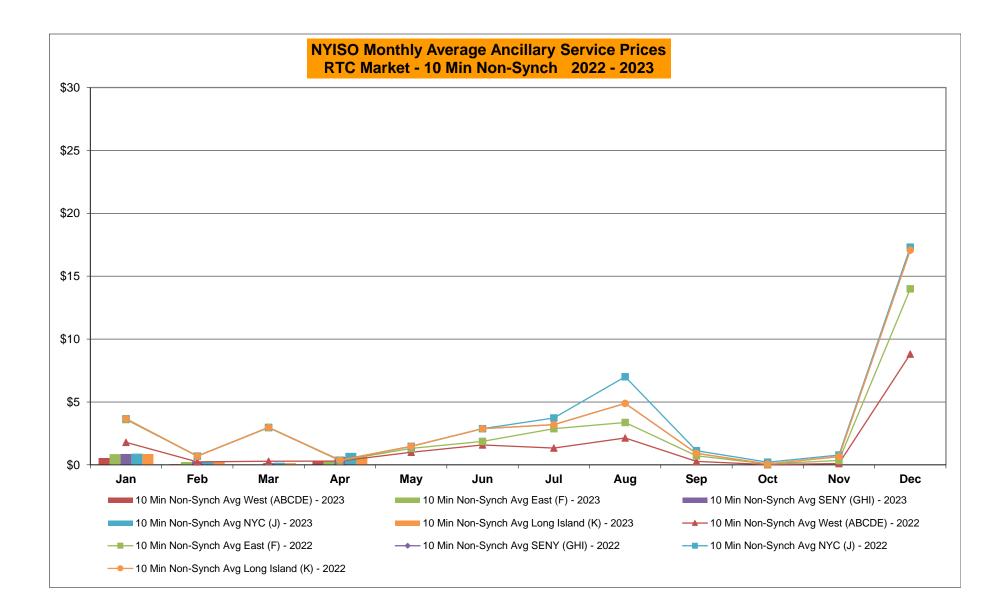


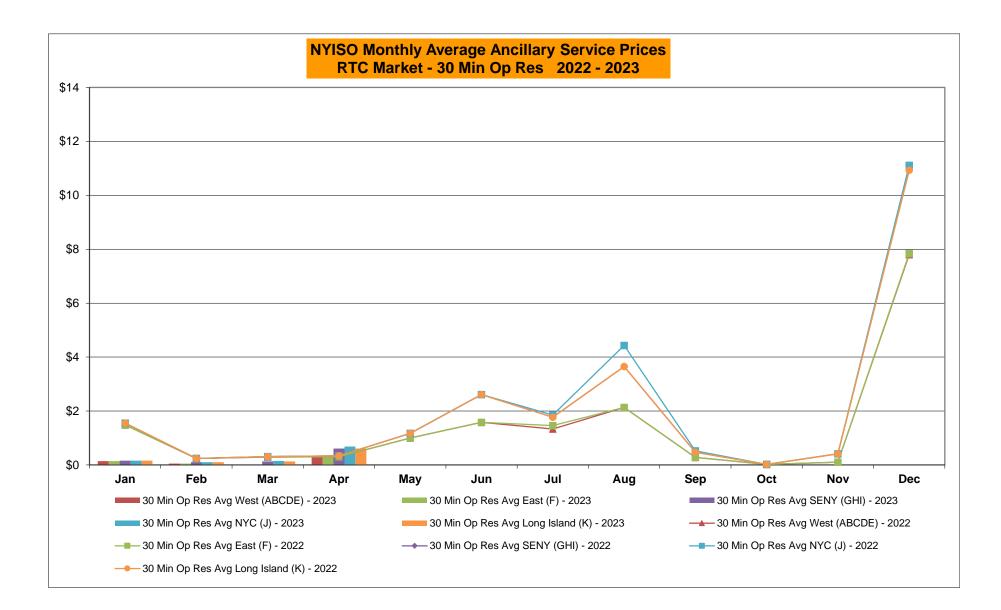


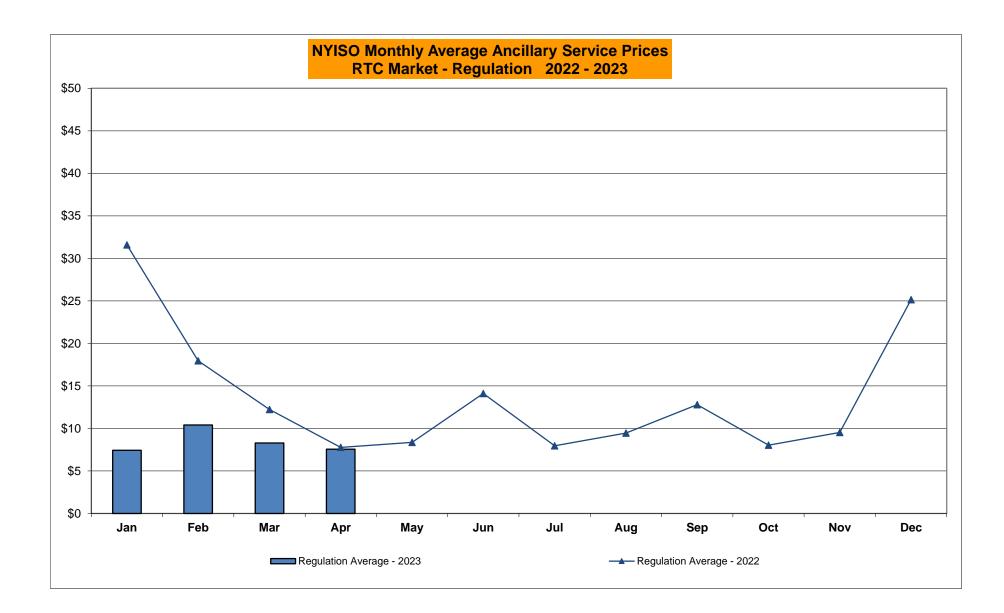


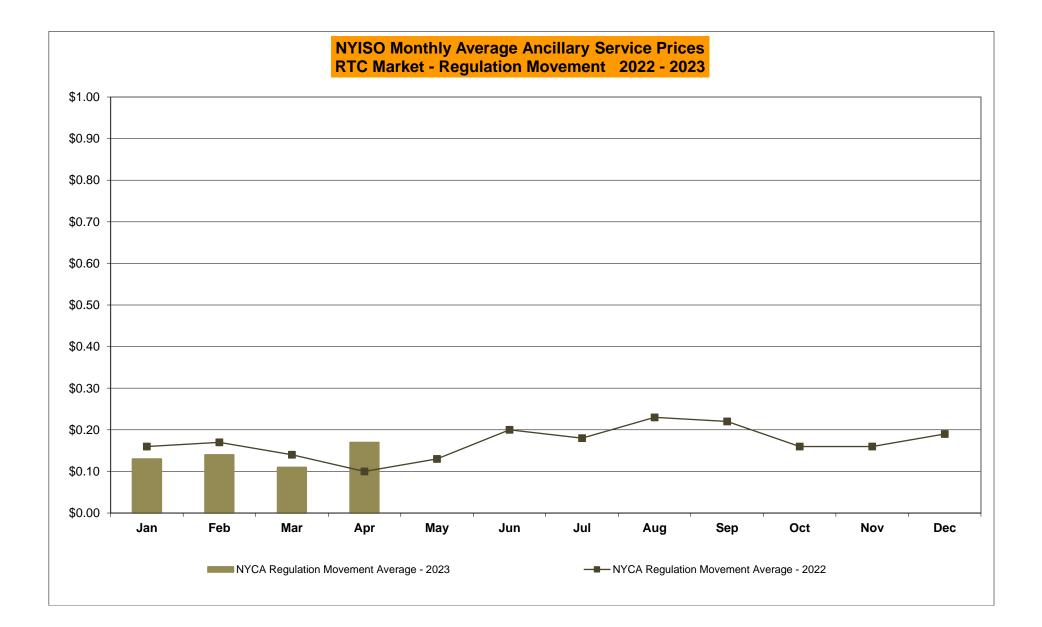


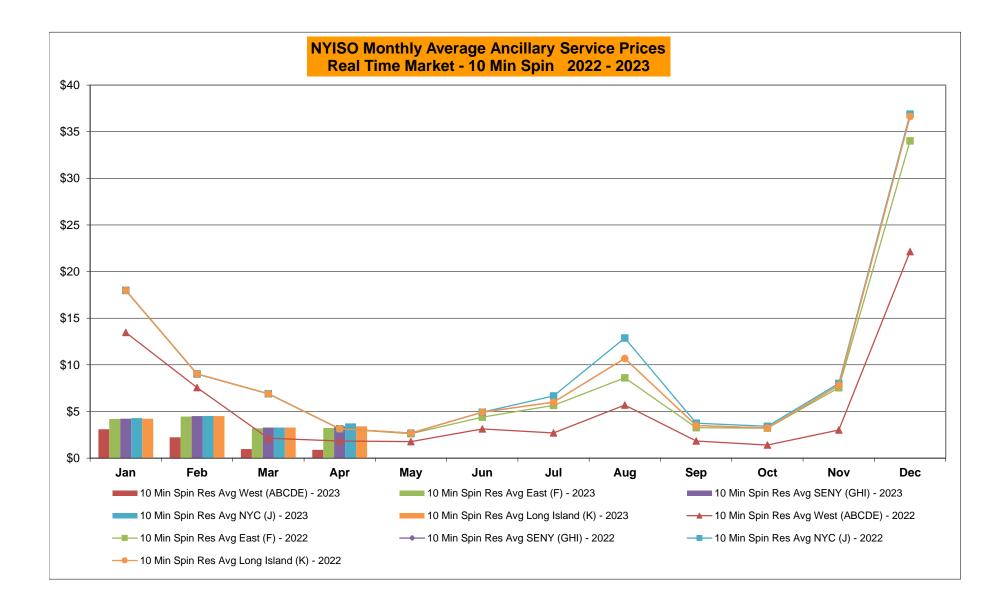


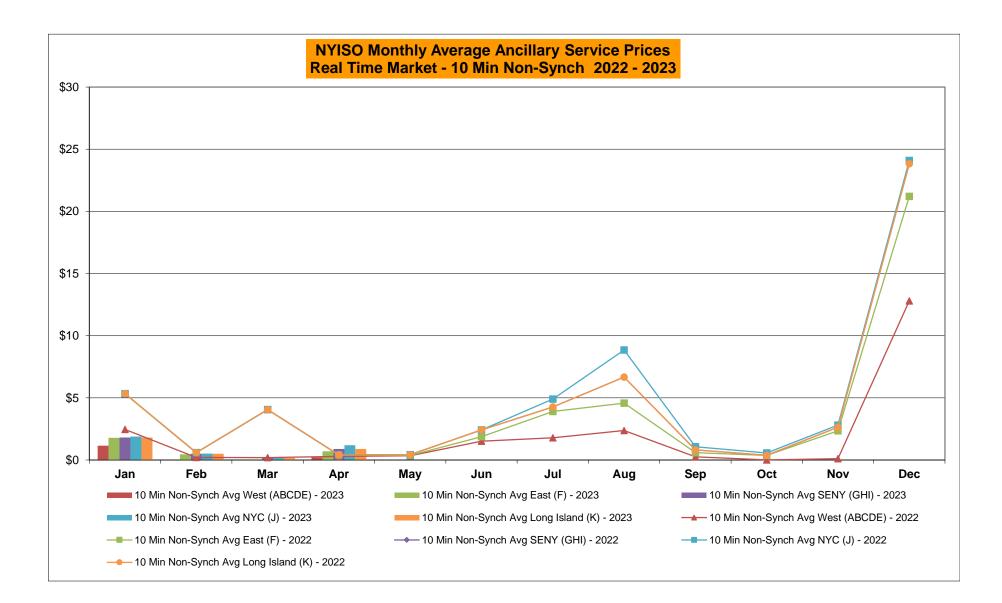


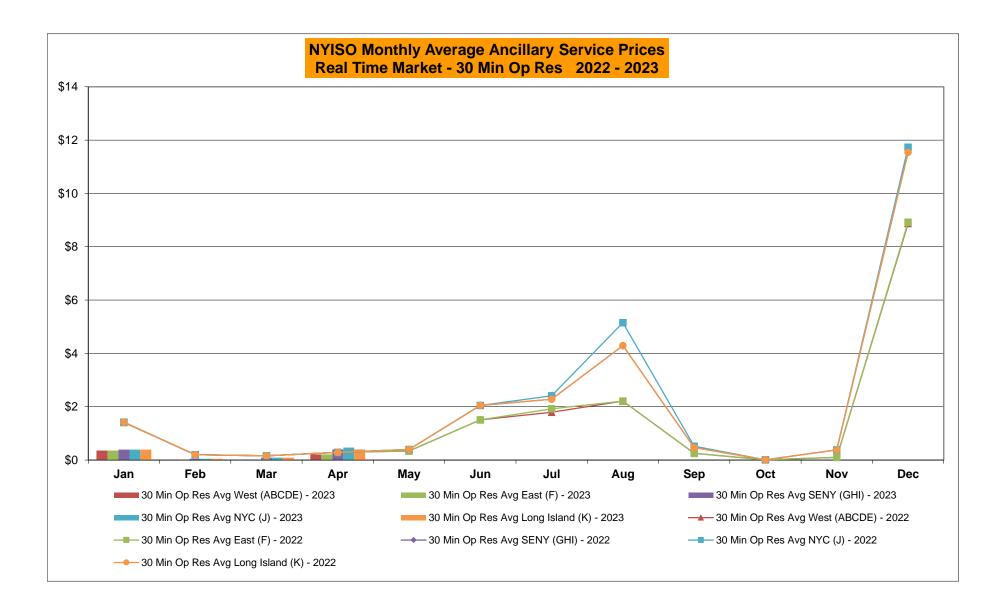


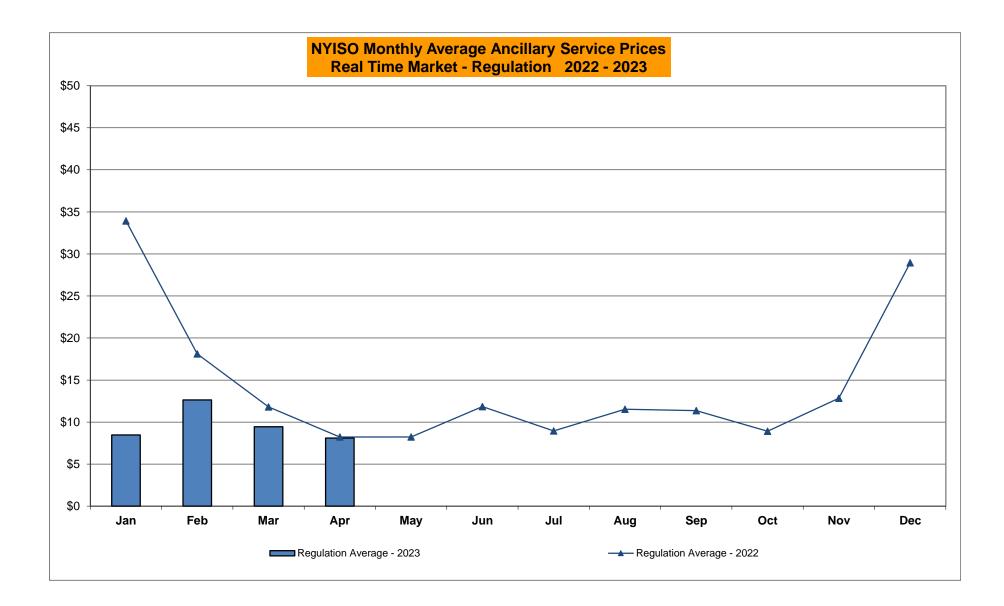


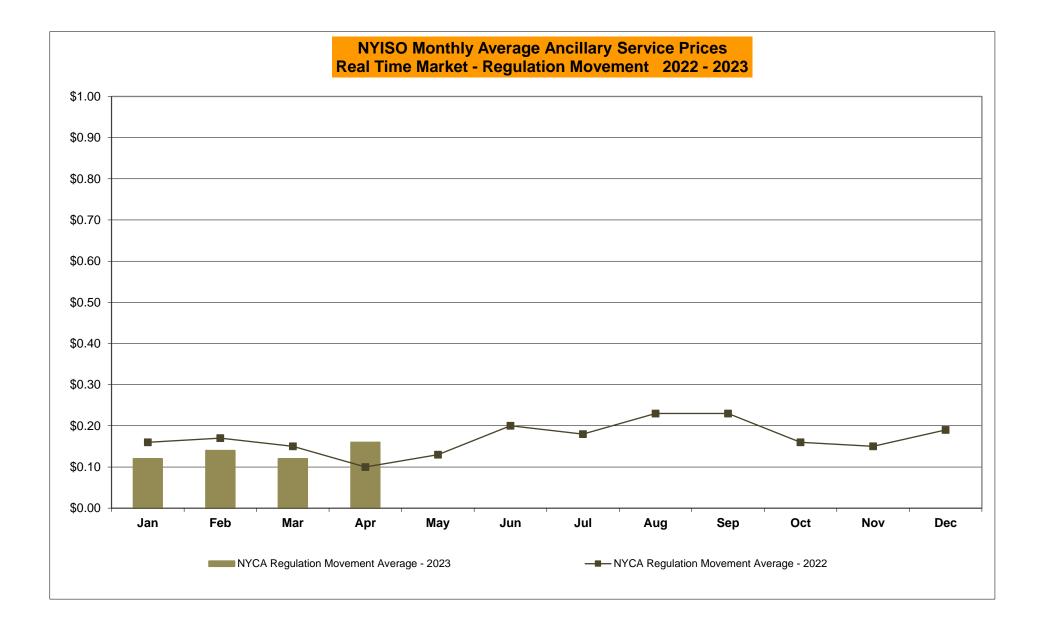












	INTIGU Mark	els Ancii	lary Serv	<u>ices Jia</u>	<u>1151105 - (</u>	Jnweign			<u> vп) - Dai</u>	/
2023	January	<u>February</u>	March	<u>April</u>	May	June	July	August	September	(
Day Ahead Market										
10 Min Spin Long Island (K)	6.60	8.46	7.31	7.07						
10 Min Spin NYC (J)	6.63	8.68	7.38	7.20						
10 Min Spin SENY (GHI)	6.60	8.46	7.31	7.07						
10 Min Spin East (F)	6.56	8.06	7.07	6.73						
10 Min Spin West (ABCDE)	5.41	6.73	4.45	4.67						
10 Min Non Synch Long Island (K)	5.16	6.22	4.72	5.02						
10 Min Non Synch NYC (J)	5.18	6.44	4.79	5.15						
10 Min Non Synch SENY (GHI)	5.16	6.22	4.72	5.02						
10 Min Non Synch East (F)	5.12	5.82	4.48	4.68						
10 Min Non Synch West (ABCDE)	5.11	5.62	4.42	4.49						
30 Min Long Island (K)	5.15	6.02	4.65	4.83						
30 Min NYC (J)	5.15	6.14	4.70	4.95						
30 Min SENY (GHI)	5.15	6.02	4.65	4.83						
30 Min East (F)	5.11	5.62	4.42	4.49						
30 Min West (ABCDE)	5.11	5.62	4.42	4.49						
Regulation	7.82	11.71	9.65	9.88						
2022	January	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	C
Day Ahead Market	<u>oundary</u>	<u>i obradiy</u>	Maron	<u>7.pm</u>	may	<u>ourio</u>	<u>oury</u>	ragaor		2
10 Min Spin Long Island (K)	14.40	11.34	6.76	6.79	6.32	5.88	7.92	8.10	7.22	
10 Min Spin NYC (J)	15.32	12.52	7.29	6.80	7.01	6.12	11.61	10.41	7.81	
10 Min Spin SENY (GHI)	14.40	11.34	6.76	6.79	6.32	5.88	7.92	8.10	7.22	
10 Min Spin East (F)	14.37	11.30	6.74	6.70	6.28	5.87	7.68	7.88	7.07	
10 Min Spin West (ABCDE)	12.74	8.93	5.48	5.01	4.34	4.99	5.91	5.53	5.84	
10 Min Non Synch Long Island (K)	9.70	9.48	5.68	4.87	4.68	4.83	7.24	6.13	5.65	
10 Min Non Synch NYC (J)	10.61	10.66	6.20	4.89	5.38	5.07	10.93	8.44	6.25	
10 Min Non Synch SENY (GHI)	9.70	9.48	5.68	4.87	4.68	4.83	7.24	6.13	5.65	
10 Min Non Synch East (F)	9.66	9.44	5.66	4.78	4.64	4.82	7.00	5.90	5.51	
10 Min Non Synch West (ABCDE)	8.88	7.35	4.66	4.50	4.15	4.60	5.69	5.16	5.08	
30 Min Long Island (K)	8.92	7.40	4.67	4.59	4.19	4.61	5.93	5.36	5.22	
30 Min NYC (J)	8.95	7.42	4.67	4.59	4.21	4.61	6.18	5.46	5.22	
30 Min SENY (GHI)	8.92	7.40	4.67	4.59	4.19	4.61	5.93	5.36	5.22	
30 Min East (F)	8.88	7.35	4.66	4.50	4.15	4.60	5.69	5.13	5.08	
30 Min West (ABCDE)	8.88	7.35	4.66	4.50	4.15	4.60	5.69	5.13	5.08	
Regulation	35.17	19.48	12.56	8.94	10.61	11.49	11.96	12.58	12.68	

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

<u>October</u>

November

<u>December</u>

<u>October</u>	<u>November</u>	<u>December</u>
8.57	7.57	15.69
9.10	8.31	16.08
8.57	7.57	15.69
8.49	7.10	15.51
6.11	5.20	12.39
6.41	6.01	7.90
6.94	6.74	8.29
6.41	6.01	7.90
6.32	5.53	7.72
5.15	4.92	7.05
5.23	5.40	7.23
5.23	5.64	7.27
5.23	5.40	7.23
5.15	4.92	7.05
5.15	4.92	7.05
11.31	11.72	18.51

	NYISO Mark	ets Ancil	lary Serv	vices Sta	tistics -	<u>Unweigh</u>	ted Pric	e (\$/Mv	<u>NH) - RTC</u>	<u>)</u>
2023	January	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>C</u>
RTC Market										
10 Min Spin Long Island (K)	2.22	2.19	1.79	2.55						
10 Min Spin NYC (J)	2.26	2.21	1.83	2.84						
10 Min Spin SENY (GHI)	2.22	2.19	1.79	2.55						
10 Min Spin East (F)	2.21	2.15	1.67	2.23						
10 Min Spin West (ABCDE)	1.57	0.56	0.30	0.67						
10 Min Non Synch Long Island (K)	0.86	0.26	0.14	0.65						
10 Min Non Synch NYC (J)	0.89	0.27	0.18	0.95						
10 Min Non Synch SENY (GHI)	0.86	0.26	0.14	0.65						
10 Min Non Synch East (F)	0.85	0.22	0.02	0.34						
10 Min Non Synch West (ABCDE)	0.54	0.05	0.00	0.29						
30 Min Long Island (K)	0.16	0.10	0.13	0.61						
30 Min NYC (J)	0.16	0.10	0.15	0.68						
30 Min SENY (GHI)	0.16	0.10	0.13	0.61						
30 Min East (F)	0.14	0.05	0.00	0.29						
30 Min West (ABCDE)	0.14	0.05	0.00	0.29						
Regulation	7.44	10.40	8.29	7.55						
NYCA Regulation Movement	0.13	0.14	0.11	0.17						
<u>2022</u>	January	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>C</u>
RTC Market										
10 Min Spin Long Island (K)	11.75	7.55	4.73	2.39	3.15	5.06	4.34	6.79	2.49	
10 Min Spin NYC (J)	11.75	7.81	4.92	2.53	3.72	5.51	4.88	8.90	2.71	
10 Min Spin SENY (GHI)	11.75	7.55	4.73	2.39	3.15	5.06	4.34	6.79	2.49	
10 Min Spin East (F)	11.68	7.55	4.71	2.36	2.98	4.03	4.03	5.27	2.29	
10 Min Spin West (ABCDE)	7.59	5.49	1.27	1.03	1.75	2.47	1.58	3.05	0.99	
10 Min Non Synch Long Island (K)	3.67	0.69	2.97	0.37	1.47	2.88	3.19	4.89	0.92	
10 Min Non Synch NYC (J)	3.67	0.95	3.16	0.51	2.04	3.34	3.73	7.00	1.13	
10 Min Non Synch SENY (GHI)	3.67	0.69	2.97	0.37	1.47	2.88	3.19	4.89	0.92	
10 Min Non Synch East (F)	3.60	0.69	2.96	0.33	1.31	1.86	2.88	3.37	0.72	
10 Min Non Synch West (ABCDE)	1.79	0.24	0.29	0.30	1.00	1.58	1.33	2.13	0.28	
30 Min Long Island (K)	1.55	0.24	0.31	0.34	1.17	2.61	1.77	3.65	0.47	
	1.55	0.24	0.31	0.34	1.34	2.74	1.85	4.43	0.52	
30 Min SENY (GHI)	1.55	0.24	0.31	0.34	1.17	2.61	1.77	3.65	0.47	
30 Min East (F)	1.48 1.48	0.24 0.24	0.29 0.29	0.30 0.30	1.00 1.00	1.58 1.58	1.46 1.33	2.13 2.13	0.28 0.28	
30 Min West (ABCDE) Regulation		0.24 17.95	0.29 12.23	0.30 7.77	1.00 8.36	1.58	1.33 7.96	2.13 9.46	0.28 12.79	
NYCA Regulation Movement	31.59 0.16	0.17	0.14	0.10	8.36 0.13	0.20	7.96 0.18	9.46 0.23	0.22	

<u>October</u>

<u>November</u>

December

<u>October</u>	November	<u>December</u>
1.72	3.59	26.50
1.87	3.71	26.72
1.72	3.59	26.50
1.72	3.28	23.41
0.40	1.06	14.59
0.07	0.66	17.08
0.21	0.78	17.31
0.07	0.66	17.08
0.07	0.35	13.99
0.02	0.10	8.81
0.02	0.41	10.93
0.02	0.41	11.11
0.02	0.41	10.93
0.02	0.10	7.84
0.02	0.10	7.80
8.03	9.52	25.14
0.16	0.16	0.19

	NYISO Mar	kets Anci	Ilary Ser	vices Sta	atistics -	Unweig	hted Pri	<u>ce (\$/M</u>	<u>WH) - RT</u>	
2023	January	<u>February</u>	March	<u>April</u>	May	June	<u>July</u>	<u>August</u>	<u>September</u>	C
Real Time Market	<u>earraidh y</u>	<u> </u>	<u></u>	<u> </u>	<u></u>	<u></u>	<u>•••·</u>	<u>, agaot</u>		-
10 Min Spin Long Island (K)	4.22	4.51	3.28	3.42						
10 Min Spin NYC (J)	4.30	4.53	3.28	3.72						
10 Min Spin SENY (GHI)	4.22	4.51	3.28	3.42						
10 Min Spin East (F)	4.20	4.46	3.19	3.23						
10 Min Spin West (ABCDE)	3.10	2.24	0.97	0.89						
10 Min Non Synch Long Island (K)	1.81	0.50	0.15	0.89						
10 Min Non Synch NYC (J)	1.89	0.52	0.15	1.19						
10 Min Non Synch SENY (GHI)	1.81	0.50	0.15	0.89						
10 Min Non Synch East (F)	1.79	0.45	0.05	0.70						
10 Min Non Synch West (ABCDE)	1.15	0.01	0.00	0.21						
30 Min Long Island (K)	0.39	0.05	0.09	0.40						
30 Min NYC (J)	0.39	0.05	0.09	0.47						
30 Min SENY (GHI)	0.39	0.05	0.09	0.40						
30 Min East (F)	0.36	0.01	0.00	0.21						
30 Min West (ABCDE)	0.36	0.01	0.00	0.21						
Regulation	8.46	12.64	9.44	8.10						
NYCA Regulation Movement	0.12	0.14	0.12	0.16						
2022	January	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>(</u>
<u>Real Time Market</u>										
10 Min Spin Long Island (K)	17.99	9.02	6.90	3.15	2.68	4.93	6.01	10.69	3.49	
10 Min Spin NYC (J)	18.04	9.27	7.04	3.27	3.17	5.46	6.66	12.88	3.74	
10 Min Spin SENY (GHI)	17.99	9.02	6.90	3.15	2.68	4.93	6.01	10.69	3.49	
10 Min Spin East (F)	17.97	9.02	6.90	3.15	2.62	4.39	5.65	8.61	3.27	
10 Min Spin West (ABCDE)	13.47	7.56	2.14	1.83	1.76	3.13	2.70	5.68	1.84	
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	
10 Min Non Synch NYC (J)	5.40	0.84	4.19	0.51	0.92	2.95	4.90	8.85	1.06	
10 Min Non Synch SENY (GHI)	5.34	0.59	4.05	0.40	0.43	2.42	4.26	6.67	0.81	
10 Min Non Synch East (F)	5.33	0.59	4.05	0.40	0.37	1.88	3.90	4.58	0.59	
10 Min Non Synch West (ABCDE)	2.46	0.20	0.19	0.29	0.34	1.51	1.79	2.37	0.25	
30 Min Long Island (K)	1.42	0.20	0.16	0.29	0.40	2.05	2.28	4.29	0.47	
30 Min NYC (J)	1.42	0.20	0.16	0.29	0.56	2.20	2.41	5.15	0.52	
30 Min SENY (GHI)	1.42	0.20	0.16	0.29	0.40	2.05	2.28	4.29	0.47	
30 Min East (F)	1.41	0.20	0.16	0.29	0.34	1.51	1.92	2.21	0.25	
30 Min West (ABCDE)	1.41	0.20	0.16	0.29	0.34	1.51	1.79	2.21	0.25	
Regulation	33.92	18.10	11.81	8.22	8.23	11.84	8.95	11.52	11.36	
NYCA Regulation Movement	0.16	0.17	0.15	0.10	0.13	0.20	0.18	0.23	0.23	

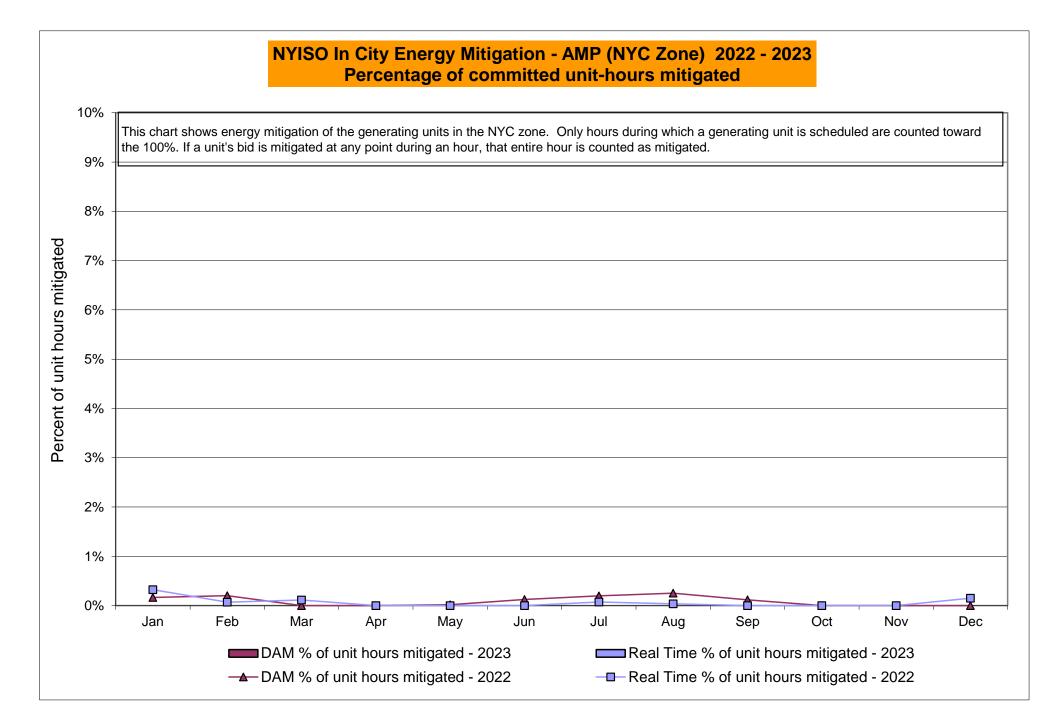
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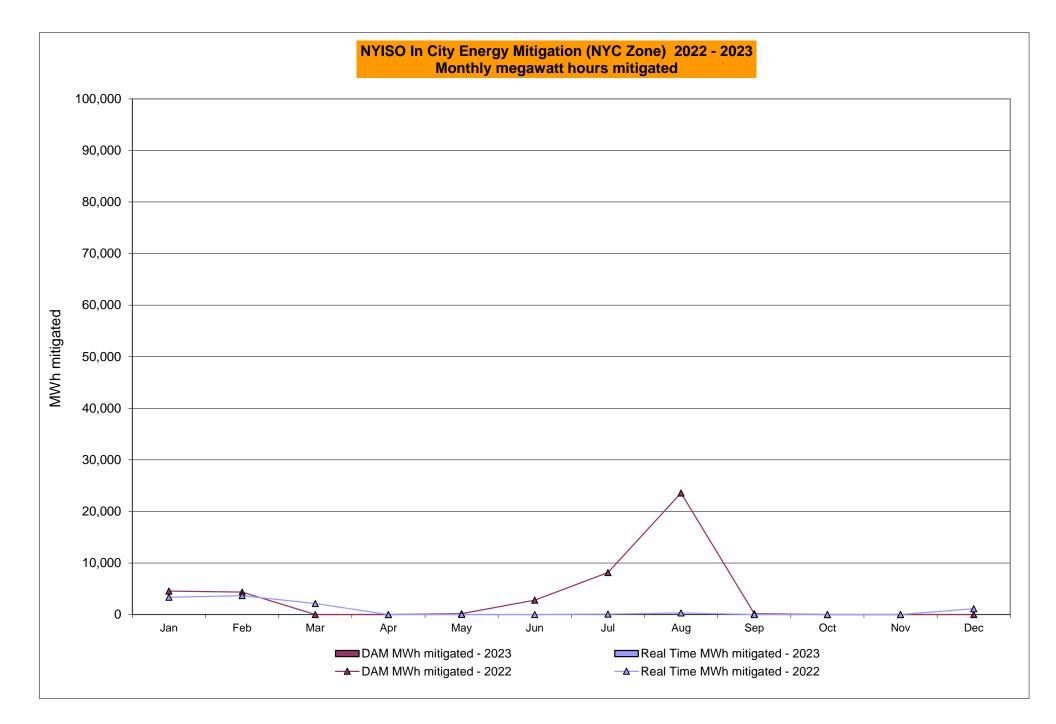
<u>October</u>

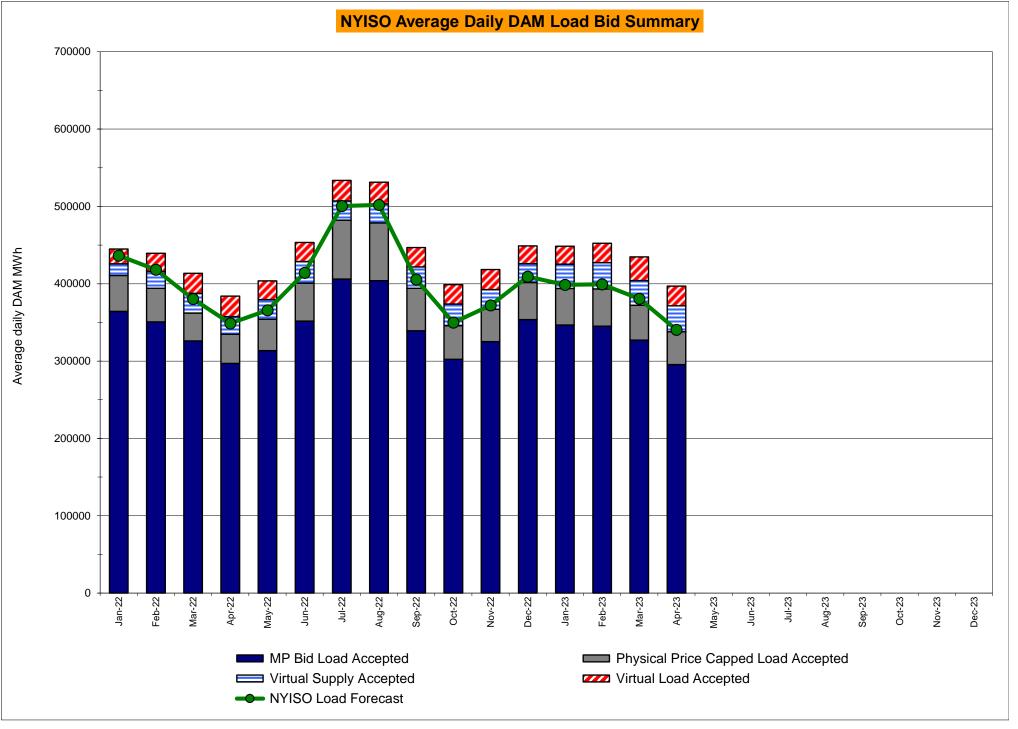
<u>November</u>

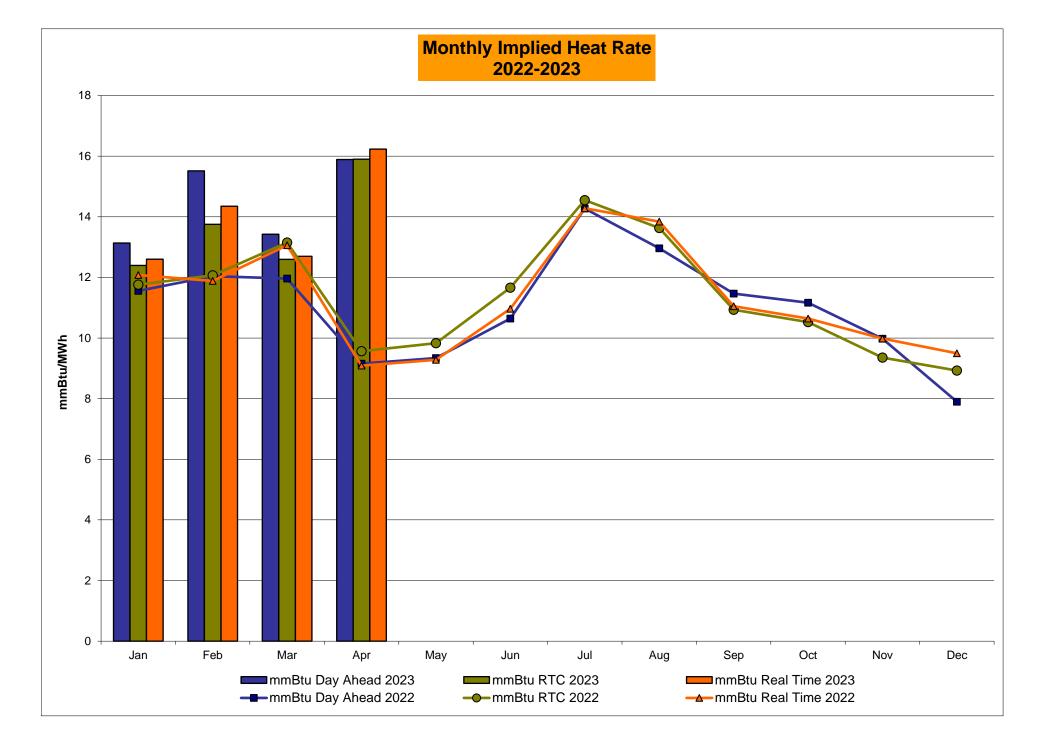
<u>December</u>

<u>October</u>	November	December
3.23	7.82	36.64
3.41	8.01	36.89
3.23	7.82	36.64
3.22	7.54	34.02
1.40	3.02	22.15
0.38	2.63	23.83
0.56	2.81	24.09
0.38	2.63	23.83
0.37	2.35	21.21
0.01	0.10	12.80
0.01	0.38	11.54
0.01	0.38	11.73
0.01	0.38	11.54
0.01	0.10	8.92
0.01	0.10	8.87
8.91	12.84	28.95
0.16	0.15	0.19

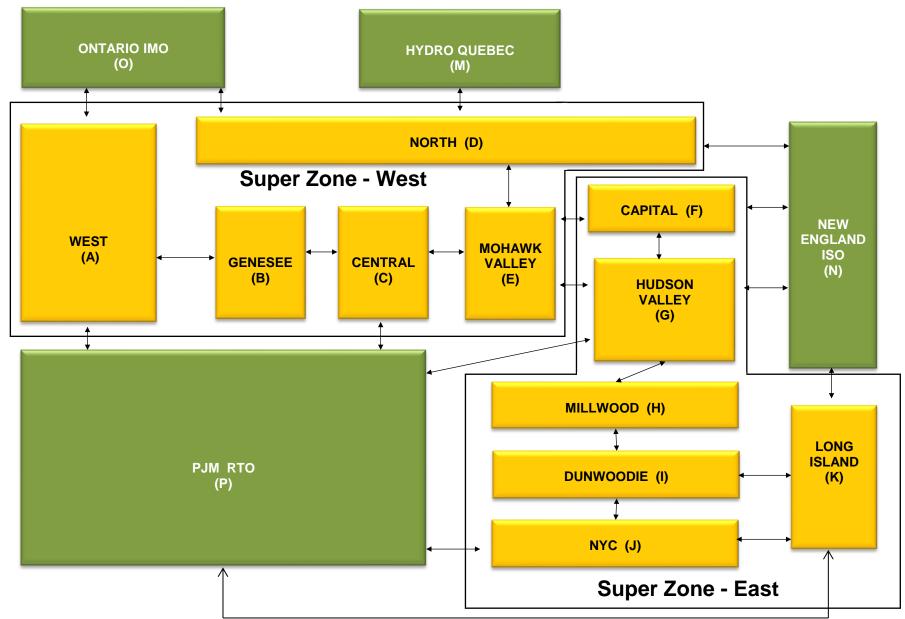








NYISO LBMP ZONES



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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

Our Mission & Vision

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