

Market Operations Report

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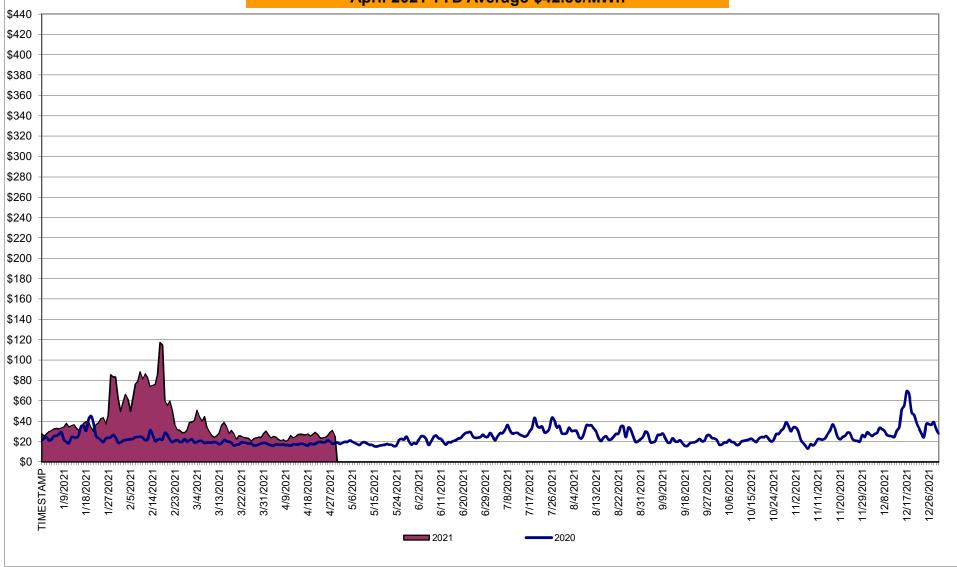
Business Issues Committee Meeting

May 10, 2021 Rensselaer, NY

Market Performance Highlights April 2021

- LBMP for April is \$22.79/MWh; lower than \$28.59/MWh in March 2021 and higher than \$15.77/MWh in April 2020.
 - Day Ahead Load Weighted LBMPs and Real Time Load Weighted LBMPs are lower compared to March.
- April 2021 average year-to-date monthly cost of 42.30/MWh is an 89% increase from \$22.38/MWh in April 2020.
- Average daily sendout is 354 GWh/day in April; lower than 381 GWh/day in March 2021 and higher than 344 GWh/day in April 2020.
- Natural gas prices are lower and distillate prices are mixed compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$2.13/MMBtu, down from \$2.24/MMBtu in March.
 - Natural gas prices are up 41% year-over-year.
 - Jet Kerosene Gulf Coast was \$12.38/MMBtu, same as \$12.38/MMBtu in March.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$13.23/MMBtu, down from \$13.31/MMBtu in March.
 - Distillate prices are up 137.6% year-over-year.
- Uplift per MWh is lower compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.12)/MWh; lower than \$0.11/MWh in March.
 - Local Reliability Share is \$0.06/MWh, lower than \$0.11/MWh in March.
 - Statewide Share is (\$0.18)/MWh, lower than \$0.00/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.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)* 2020 Annual Average \$25.70/MWh April 2020 YTD Average \$22.38/MWh April 2021 YTD Average \$42.30/MWh

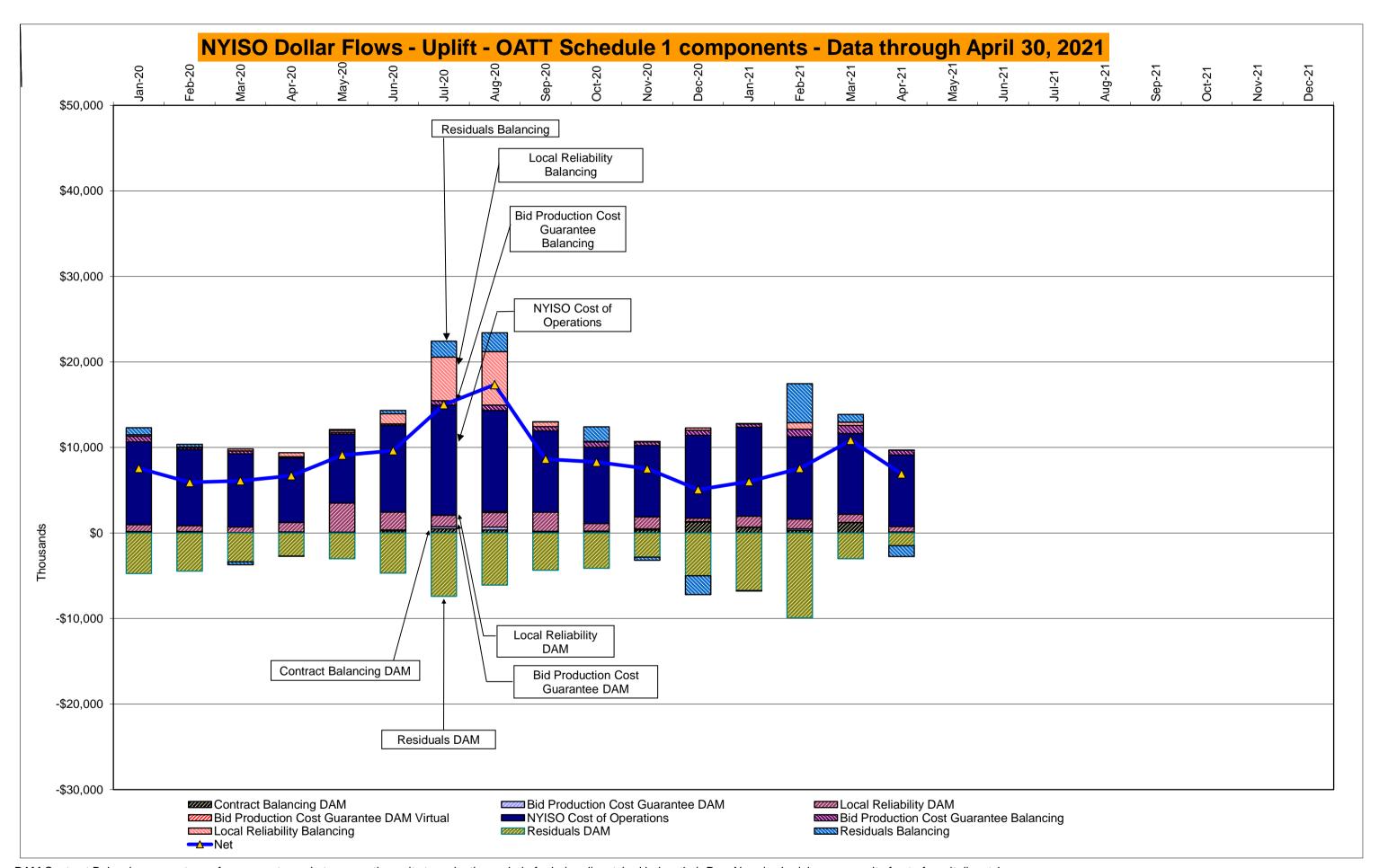


^{*} Excludes ICAP payments.

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

2021	<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>	<u>November</u>	<u>December</u>
LBMP	37.83	63.70	28.59	22.79								
NTAC	1.35	1.20	1.26	1.54								
Reserve	0.49	0.81	0.57	0.56								
Regulation	0.07	0.13	0.09	0.10								
NYISO Cost of Operations	0.74	0.74	0.74	0.74								
FERC Fee Recovery	0.08	0.09	0.09	0.11								
Uplift	(0.31)	(0.15)	0.11	(0.12)								
Uplift: Local Reliability Share	0.09	0.15	0.11	0.06								
Uplift: Statewide Share	(0.40)	(0.30)	0.00	(0.18)								
Voltage Support and Black Start	0.43	0.43	0.43	0.44								
Avg Monthly Cost	40.61	66.87	31.81	26.06								
Avg YTD Cost	40.61	52.90	46.47	42.30								
TCA C nor NIVO MIM/h	0.00	0.00	0.00	0.00								
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00								
2020	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	<u>October</u>	November	<u>December</u>
LBMP	24.77	21.11	17.11	15.77	16.14	21.36	28.86	26.13	20.52	20.90	22.57	33.70
NTAC	0.91	0.70	0.86	0.91	1 05	0.05	1 21	1.03	0.78	0.04	4 OE	1.35
Reserve				0.01	1.05	0.95	1.24	1.05	0.70	0.84	1.05	1.00
	0.46	0.43	0.47	0.50	0.53	0.95 0.45	0.39	0.39	0.78	0.84 0.61	0.51	0.49
Regulation	0.46 0.09	0.43 0.08										
Regulation NYISO Cost of Operations			0.47	0.50	0.53	0.45	0.39	0.39	0.42	0.61	0.51	0.49
_	0.09	0.08	0.47 0.09	0.50 0.08	0.53 0.10	0.45 0.08	0.39 0.06	0.39 0.07	0.42 0.09	0.61 0.11	0.51 0.09	0.49 0.08
NYISO Cost of Operations	0.09 0.68	0.08 0.69	0.47 0.09 0.68	0.50 0.08 0.66	0.53 0.10 0.71	0.45 0.08 0.74	0.39 0.06 0.76	0.39 0.07 0.75	0.42 0.09 0.74	0.61 0.11 0.73	0.51 0.09 0.69	0.49 0.08 0.70
NYISO Cost of Operations FERC Fee Recovery	0.09 0.68 0.08	0.08 0.69 0.09	0.47 0.09 0.68 0.09	0.50 0.08 0.66 0.10	0.53 0.10 0.71 0.11	0.45 0.08 0.74 0.09	0.39 0.06 0.76 0.06	0.39 0.07 0.75 0.07	0.42 0.09 0.74 0.09	0.61 0.11 0.73 0.10	0.51 0.09 0.69 0.10	0.49 0.08 0.70 0.08
NYISO Cost of Operations FERC Fee Recovery Uplift	0.09 0.68 0.08 (0.15)	0.08 0.69 0.09 (0.23)	0.47 0.09 0.68 0.09 (0.19)	0.50 0.08 0.66 0.10 (0.08)	0.53 0.10 0.71 0.11 0.09	0.45 0.08 0.74 0.09 (0.05)	0.39 0.06 0.76 0.06 0.07	0.39 0.07 0.75 0.07 0.17	0.42 0.09 0.74 0.09 (0.07)	0.61 0.11 0.73 0.10 (0.05)	0.51 0.09 0.69 0.10 (0.07)	0.49 0.08 0.70 0.08 (0.33)
NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share	0.09 0.68 0.08 (0.15) 0.07	0.08 0.69 0.09 (0.23) 0.06	0.47 0.09 0.68 0.09 (0.19) 0.07	0.50 0.08 0.66 0.10 (0.08) 0.14	0.53 0.10 0.71 0.11 0.09 0.32	0.45 0.08 0.74 0.09 (0.05) 0.24	0.39 0.06 0.76 0.06 0.07 0.38	0.39 0.07 0.75 0.07 0.17 0.50	0.42 0.09 0.74 0.09 (0.07) 0.22	0.61 0.11 0.73 0.10 (0.05) 0.08	0.51 0.09 0.69 0.10 (0.07) 0.12	0.49 0.08 0.70 0.08 (0.33) 0.05
NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share	0.09 0.68 0.08 (0.15) 0.07 (0.22)	0.08 0.69 0.09 (0.23) 0.06 (0.29)	0.47 0.09 0.68 0.09 (0.19) 0.07 (0.26)	0.50 0.08 0.66 0.10 (0.08) 0.14 (0.21)	0.53 0.10 0.71 0.11 0.09 0.32 (0.23)	0.45 0.08 0.74 0.09 (0.05) 0.24 (0.29)	0.39 0.06 0.76 0.06 0.07 0.38 (0.31)	0.39 0.07 0.75 0.07 0.17 0.50 (0.33)	0.42 0.09 0.74 0.09 (0.07) 0.22 (0.28)	0.61 0.11 0.73 0.10 (0.05) 0.08 (0.13)	0.51 0.09 0.69 0.10 (0.07) 0.12 (0.19)	0.49 0.08 0.70 0.08 (0.33) 0.05 (0.38)
NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share Voltage Support and Black Start	0.09 0.68 0.08 (0.15) 0.07 (0.22) 0.44	0.08 0.69 0.09 (0.23) 0.06 (0.29) 0.44	0.47 0.09 0.68 0.09 (0.19) 0.07 (0.26) 0.44	0.50 0.08 0.66 0.10 (0.08) 0.14 (0.21) 0.43	0.53 0.10 0.71 0.11 0.09 0.32 (0.23) 0.45	0.45 0.08 0.74 0.09 (0.05) 0.24 (0.29) 0.45	0.39 0.06 0.76 0.06 0.07 0.38 (0.31) 0.46	0.39 0.07 0.75 0.07 0.17 0.50 (0.33) 0.46	0.42 0.09 0.74 0.09 (0.07) 0.22 (0.28) 0.45	0.61 0.11 0.73 0.10 (0.05) 0.08 (0.13) 0.45	0.51 0.09 0.69 0.10 (0.07) 0.12 (0.19) 0.44	0.49 0.08 0.70 0.08 (0.33) 0.05 (0.38) 0.45

^{*} Excludes ICAP payments. Market Mitigation and Analysis Prepared: 5/19/2021 7:51 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

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<u>2021</u>	January	<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	14,108,848	13,325,329	12,843,278	11,204,262								
DAM LSE Internal LBMP Energy Sales	60%	59%	56%	55%								
DAM External TC LBMP Energy Sales	5%	4%	3%	2%								
DAM Bilateral - Internal Bilaterals	31%	30%	32%	35%								
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	1%	4%	4%	5%								
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%								
DAM Bilateral - Wheel Through Bilaterals	2%	2%	3%	2%								
Balancing Energy Market MWh	29,179	-308,157	-70,279	30,603								
Balancing Energy LSE Internal LBMP Energy Sales	-215%	-151%	-367%	-456%								
Balancing Energy External TC LBMP Energy Sales	374%	59%	365%	578%								
Balancing Energy Bilateral - Internal Bilaterals	49%	4%	27%	34%								
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%								
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	50%	5%	32%	34%								
Balancing Energy Bilateral - Wheel Through Bilaterals	-158%	-17%	-158%	-90%								
Transactions Summary				_								
LBMP	65%	62%	59%	57%								
Internal Bilaterals	31%	31%	33%	35%								
Import Bilaterals	1%	4%	4%	5%								
Export Bilaterals	2%	2%	2%	2%								
Wheels Through	2%	2%	2%	2%								
Market Share of Total Load												
Day Ahead Market	99.8%	102.4%	100.6%	99.7%								
Balancing Energy +	0.2%	-2.4%	-0.6%	0.3%								
Total MWH	14,138,027		12,772,999	11,234,865								
Average Daily Energy Sendout/Month GWh	427	434	381	354								
Average Bany Energy Condoctivienth CVVII	127	101	001	<u> </u>								
<u>2020</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>
2020 Day Ahead Market MWh	<u>January</u> 14,194,609	<u>February</u> 13,172,669	<u>March</u> 12,495,999		<u>May</u> 11,462,320	<u>June</u> 13,825,178	<u>July</u> 16,629,337	<u>August</u> 15,671,629	<u>September</u> 13,122,542	October 12,338,638	November 12,157,281	<u>December</u> 13,748,181
Day Ahead Market MWh	<u></u> _						_					
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales	14,194,609	13,172,669	12,495,999	11,372,390	11,462,320	13,825,178	16,629,337	15,671,629	13,122,542	12,338,638	12,157,281	13,748,181
Day Ahead Market MWh	14,194,609 56% 6%	13,172,669 56%	12,495,999 59%	11,372,390 54%	11,462,320 55%	13,825,178 58% 3%	16,629,337 65% 2%	15,671,629 63%	13,122,542 60% 4%	12,338,638 56% 5%	12,157,281 57%	13,748,181 59% 5%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals	14,194,609 56% 6% 30%	13,172,669 56% 5% 30%	12,495,999 59% 5%	11,372,390 54% 7% 30%	11,462,320 55% 4% 31%	13,825,178 58% 3% 29%	16,629,337 65% 2% 26%	15,671,629 63% 4% 27%	13,122,542 60% 4% 30%	12,338,638 56% 5% 32%	12,157,281 57% 5% 33%	13,748,181 59% 5% 31%
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	14,194,609 56% 6% 30% 5%	13,172,669 56% 5% 30% 5%	12,495,999 59% 5% 27% 6%	11,372,390 54% 7% 30% 6%	11,462,320 55% 4% 31% 6%	13,825,178 58% 3% 29% 5%	16,629,337 65% 2% 26% 3%	15,671,629 63% 4% 27% 3%	13,122,542 60% 4% 30% 2%	12,338,638 56% 5% 32% 3%	12,157,281 57% 5% 33% 3%	13,748,181 59% 5% 31% 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	14,194,609 56% 6% 30% 5% 2%	13,172,669 56% 5% 30% 5% 2%	12,495,999 59% 5% 27% 6% 2%	11,372,390 54% 7% 30% 6% 2%	11,462,320 55% 4% 31% 6% 2%	13,825,178 58% 3% 29% 5% 2%	16,629,337 65% 2% 26% 3% 1%	15,671,629 63% 4% 27% 3% 2%	13,122,542 60% 4% 30% 2% 2%	12,338,638 56% 5% 32% 3% 2%	12,157,281 57% 5% 33% 3% 2%	13,748,181 59% 5% 31% 2% 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	14,194,609 56% 6% 30% 5% 2% 1%	13,172,669 56% 5% 30% 5% 2% 1%	12,495,999 59% 5% 27% 6% 2% 1%	11,372,390 54% 7% 30% 6% 2% 1%	11,462,320 55% 4% 31% 6% 2% 1%	13,825,178 58% 3% 29% 5% 2% 2%	16,629,337 65% 2% 26% 3% 1% 2%	15,671,629 63% 4% 27% 3% 2% 2%	13,122,542 60% 4% 30% 2% 2% 2%	12,338,638 56% 5% 32% 3% 2% 2%	12,157,281 57% 5% 33% 3% 2% 0%	13,748,181 59% 5% 31% 2% 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	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080%	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221%	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85%	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884%	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187%	13,825,178 58% 3% 29% 5% 2% 2% -180,149 -134%	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85%	15,671,629 63% 4% 27% 3% 2% 2% 212,307 99%	13,122,542 60% 4% 30% 2% 2% 2% -173,115 -95%	12,338,638 56% 5% 32% 3% 2% 2% -89,451 -220%	12,157,281 57% 5% 33% 3% 2% 0% -54,598 -459%	13,748,181 59% 5% 31% 2% 2% 2% 2% 156,891 -12%
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	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156%	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221% 181%	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85% 240%	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233%	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 137%	13,825,178 58% 3% 29% 5% 2% 2% -180,149 -134% 99%	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35%	15,671,629 63% 4% 27% 3% 2% 2% 212,307 99% 43%	13,122,542 60% 4% 30% 2% 2% 2% -173,115 -95% 104%	12,338,638 56% 5% 32% 3% 2% 2% -89,451 -220% 187%	12,157,281 57% 5% 33% 3% 2% 0% -54,598 -459% 382%	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107%
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	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156% 62%	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221% 181% 5%	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85% 240% 12%	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233% 55%	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 137% 12%	13,825,178 58% 3% 29% 5% 2% 2% -180,149 -134% 99% 7%	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35% 2%	15,671,629 63% 4% 27% 3% 2% 2% 212,307 99% 43% 1%	13,122,542 60% 4% 30% 2% 2% 2% -173,115 -95% 104% 0%	12,338,638 56% 5% 32% 3% 2% 2% -89,451 -220% 187% 4%	12,157,281 57% 5% 33% 3% 2% 0% -54,598 -459% 382% 3%	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107% 7%
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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 Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Export Bilaterals Mheels Through Market Share of Total Load Day Ahead Market Balancing Energy + Total MWH	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156% 62% 0% 127% -365% 62% 31% 5% 2% 0% 100.2% -0.2% 14,167,856	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221% 181% 5% 0% 16% -81% 62% 31% 5% 2% 1% 101.1% -1.1% 13,030,501	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85% 240% 12% 0% 18% -85% 65% 27% 6% 27% 6% 2% 0% 98.9% 1.1% 12,640,075	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233% 55% 0% 92% -396% 61% 30% 6% 2% 0% 99.8% 0% 11,394,989	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 12% 0% 12% -74% 59% 32% 6% 2% 0% 101.2% -1.2% 11,324,755	13,825,178 58% 3% 29% 5% 2% 2% -180,149 -134% 99% 7% 0% 5% -77% 62% 30% 5% 2% 1% 101.3% -1.3% 13,645,029	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35% 2% 0% 24% -24% 68% 26% 3% 1% 1% 1%	15,671,629 63% 4% 27% 3% 2% 2% 212,307 99% 43% 1% 0% 4% -46% 67% 27% 3% 2% 1% 98.7% 1.3% 15,883,935	13,122,542 60% 4% 30% 2% 2% 2% 2% -173,115 -95% 104% 0% 7% -116% 64% 31% 2% 2% 1% 101.3% -1.3% 12,949,426	12,338,638 56% 5% 32% 3% 2% 2% -89,451 -220% 187% 4% 20% 17% -107% 61% 32% 3% 2% 2% 2% 100.7% -0.7% 12,249,187	12,157,281 57% 5% 33% 2% 0% -54,598 -459% 382% 3% 9% 33% -69% 62% 33% 3% 2% 0% 100.5% -0.5% 12,102,682	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107% 7% 6% 11% -19% 64% 31% 2% 2% 2% 2% 2% 13,905,071
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market Balancing Energy +	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156% 62% 0% 127% -365% 62% 31% 5% 2% 0%	13,172,669 56% 50% 30% 5% 2% 1% -142,168 -221% 181% 5% 0% 16% -81% 62% 31% 5% 2% 1% 101.1% -1.1%	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85% 240% 12% 0% 18% -85% 65% 27% 6% 27% 6% 2% 0% 98.9% 1.1%	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233% 55% 0% 92% -396% 61% 30% 6% 2% 0% 99.8% 0.2%	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 137% 12% 0% 12% -74% 59% 32% 6% 2% 0% 101.2% -1.2%	13,825,178 58% 3% 29% 5% 2% 2% -180,149 -134% 99% 7% 0% 5% -77% 62% 30% 5% 2% 1% 101.3% -1.3%	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35% 2% 0% -24% 68% 26% 3% 1% 1%	15,671,629 63% 4% 27% 3% 2% 2% 212,307 99% 43% 1% 0% 44% -46% 67% 27% 3% 2% 1% 98.7% 1.3%	13,122,542 60% 4% 30% 2% 2% 2% -173,115 -95% 104% 0% 7% -116% 64% 31% 2% 2% 1% 101.3% -1.3%	12,338,638 56% 5% 32% 3% 2% 2% -89,451 -220% 187% 4% 20% 17% -107% 61% 32% 3% 2% 2% 2% 2%	12,157,281 57% 5% 33% 2% 0% -54,598 -459% 382% 3% 9% 33% -69% 62% 33% 3% 2% 0% 100.5% -0.5%	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107% 6% 11% -19% 64% 31% 2% 2% 2% 2% 2%

⁺ 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.

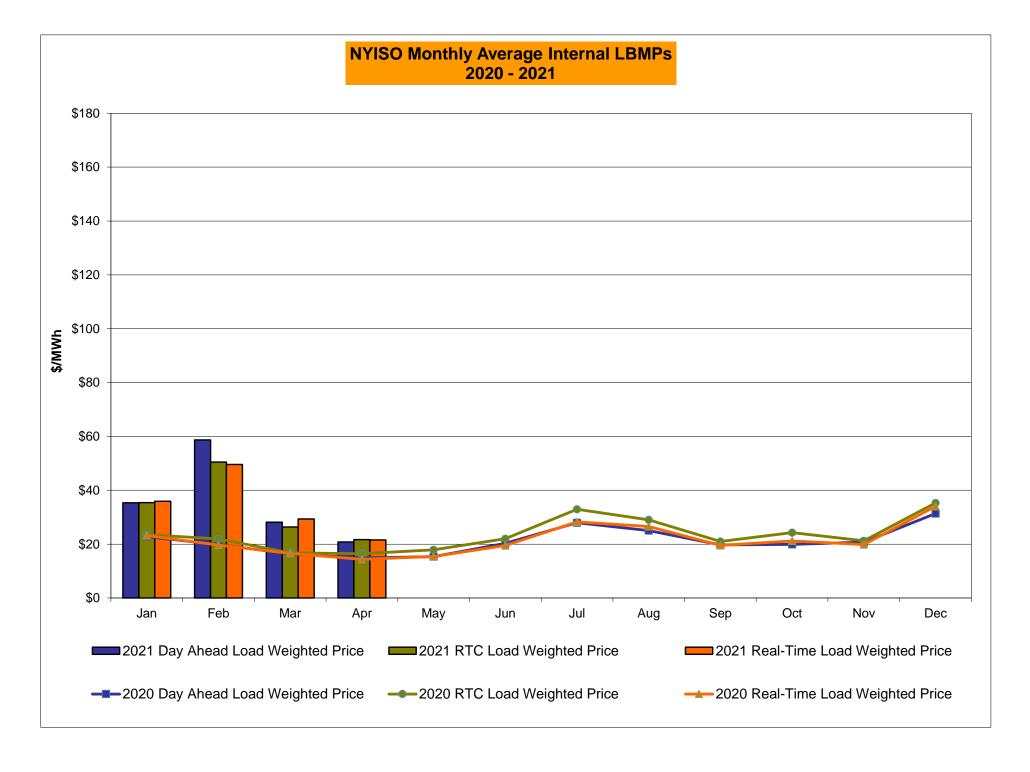
NYISO Markets 2021 Energy Statistics

	<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 *	\$34.37	\$57.30	\$27.47	\$20.46					
Standard Deviation	\$14.58	\$24.48	\$8.23	\$4.58					
Load Weighted Price **	\$35.31	\$58.67	\$28.12	\$20.81					
RTC LBMP									
Price *	\$34.32	\$49.25	\$25.59	\$21.30					
Standard Deviation	\$20.93	\$23.34	\$12.67	\$7.91					
Load Weighted Price **	\$35.40	\$50.48	\$26.37	\$21.67					
REAL TIME LBMP									
Price *	\$34.59	\$48.22	\$28.06	\$21.10					
Standard Deviation	\$29.47	\$26.46	\$26.13	\$10.07					
Load Weighted Price **	\$35.89	\$49.57	\$29.33	\$21.55					
Average Daily Energy Sendout/Month GWh	427	434	381	354					

NYISO Markets 2020 Energy Statistics

	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November [<u>December</u>
DAY AHEAD LBMP Price *	ድ ጋጋ 11	¢10.40	¢46.07	¢1467	¢140 7	¢10.15	¢ 26.20		040 00	¢10.40	<u> </u>	<u> </u>
	\$22.11	\$19.48	\$16.07	\$14.67	\$14.97	\$19.15	\$26.30	\$23.61	\$18.88	\$19.40	\$20.07	\$30.45
Standard Deviation	\$7.43	\$4.45	\$3.21	\$2.71	\$3.55	\$6.40	\$10.45	\$8.56	\$5.41	\$6.36	\$7.15	\$12.35
Load Weighted Price **	\$22.77	\$19.84	\$16.36	\$14.86	\$15.37	\$20.28	\$27.94	\$25.01	\$19.72	\$19.91	\$20.75	\$31.36
DTC I DMD												
RTC LBMP	400.00	004.40	0.40.40	A 40.00	0.1-10	000.04	000 =0	A 00.00	0.10.00	***	400.00	40404
Price *	\$22.86	\$21.48	\$16.48	\$16.23	\$17.46	\$20.84	\$30.70	\$26.86	\$19.90	\$23.35	\$20.39	\$34.01
Standard Deviation	\$9.33	\$53.30	\$4.84	\$5.17	\$8.61	\$11.26	\$17.92	\$17.17	\$11.37	\$14.44	\$14.19	\$25.41
Load Weighted Price **	\$23.50	\$21.94	\$16.74	\$16.44	\$17.89	\$22.01	\$32.92	\$29.01	\$20.99	\$24.25	\$21.23	\$35.28
REAL TIME LBMP												
Price *	\$22.53	\$19.29	\$16.24	\$14.14	\$14.90	\$18.35	\$26.56	\$24.68	\$18.63	\$20.44	\$18.96	\$32.72
Standard Deviation	\$11.90	\$8.68	\$7.48	\$6.98	\$8.35	\$9.33	\$16.45	\$13.95	\$7.15	\$12.01	\$12.66	\$24.29
Load Weighted Price **	\$23.20	\$19.68	\$16.58	\$14.35	\$15.42	\$19.46	\$28.27	\$26.53	\$19.54	\$21.15	\$19.84	\$34.04
Average Daily Energy Sendout/Month GWh	423	417	375	344	345	430	530	489	408	367	377	417

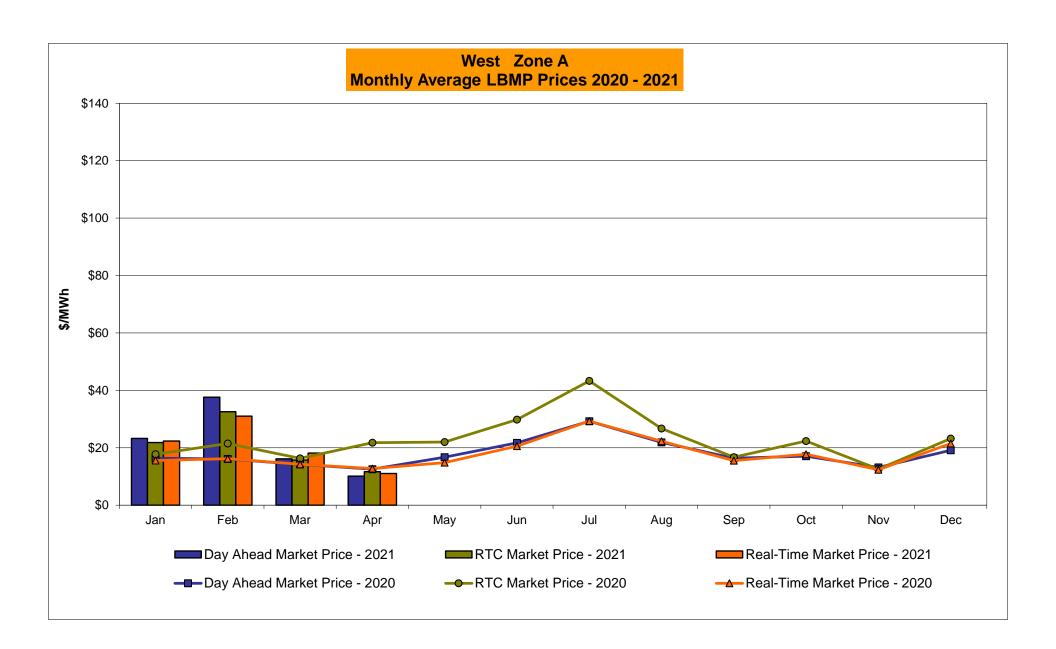
^{*} Average zonal load weighted prices.
** Average zonal load weighted prices, load weighted in each hour.

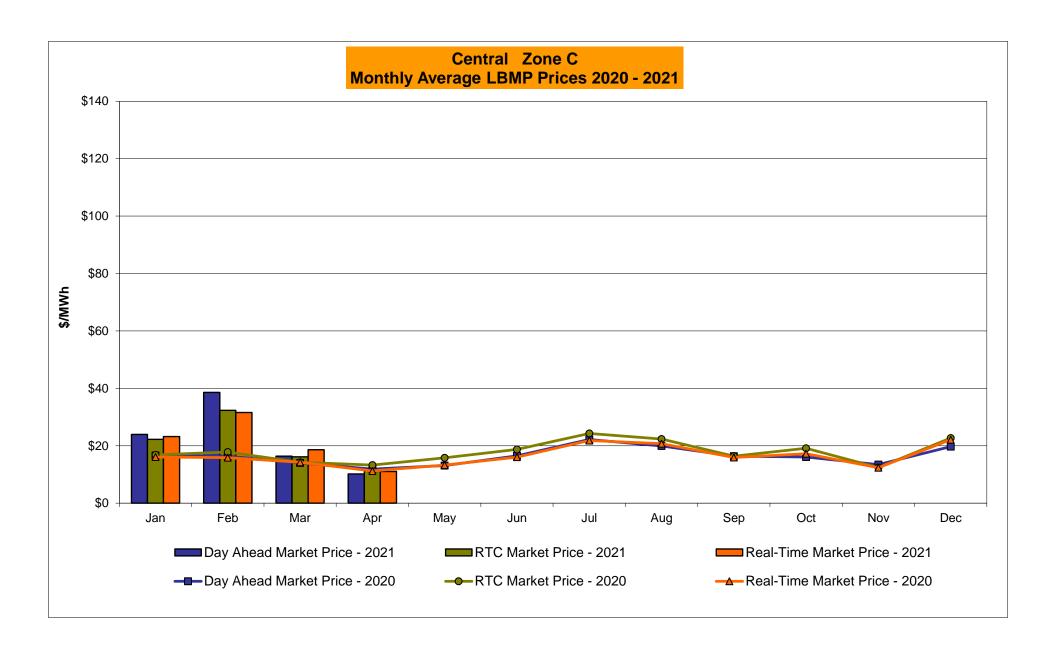


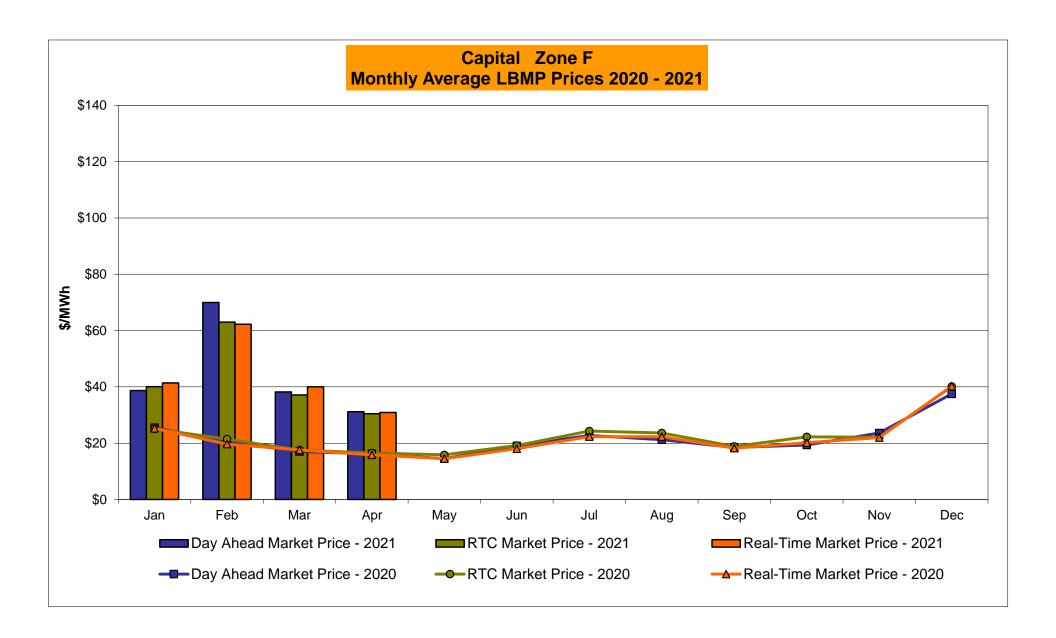
April 2021 Zonal LBMP Statistics for NYISO (\$/MWh)

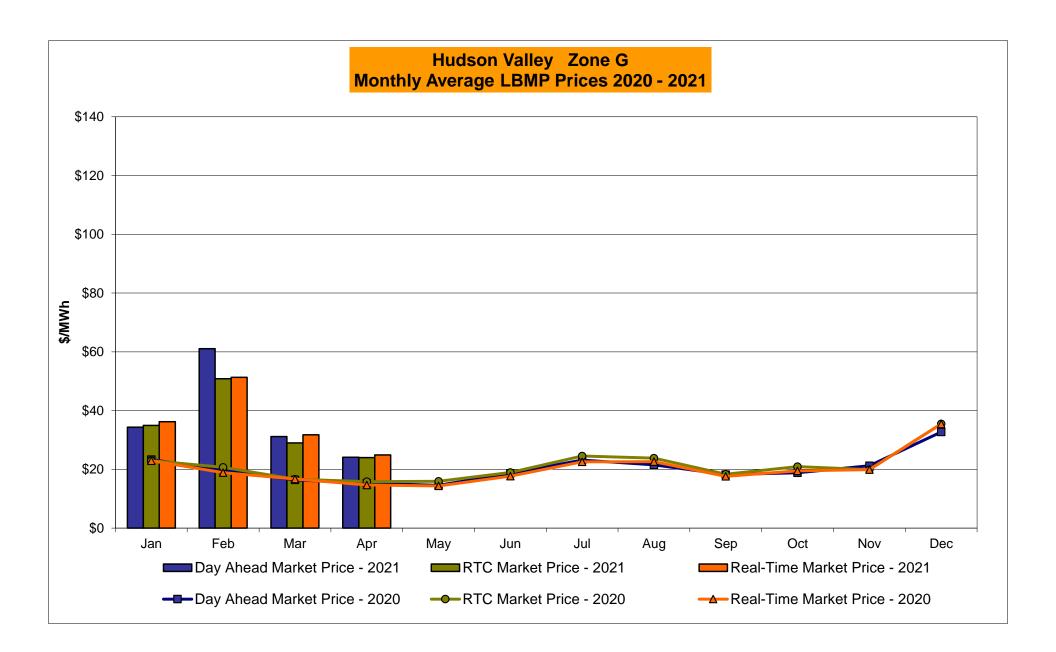
	WEST	GENESEE	NORTH	CENTRAL	MOHAWK VALLEY	CAPITAL	HUDSON VALLEY	MILLWOOD	DUNWOODIE	NEW YORK CITY	LONG ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP											
Unweighted Price *	10.13	9.39	6.51	10.15	9.98	31.14	24.10	24.55	24.43	24.55	30.81
Standard Deviation	3.02	2.95	2.70	3.04	2.94	6.82	5.22	5.29	5.25	5.30	8.15
RTC LBMP											
Unweighted Price *	11.67	10.43	6.96	11.74	11.46	30.47	23.98	24.42	24.31	24.36	34.56
Standard Deviation	10.39	8.75	9.10	10.50	10.77	11.55	7.43	7.68	7.61	7.57	35.40
REAL TIME LBMP											
Unweighted Price *	11.00	10.15	7.04	11.03	10.75	30.91	24.87	25.41	25.30	25.40	31.46
Standard Deviation	13.54	13.87	15.39	13.66	13.85	18.96	12.34	12.85	12.73	12.66	21.66
		HADDO	HADBO			CDOSS					
	ONTARIO	HYDRO	HYDRO		NEW	CROSS	NORTHPORT-				
	ONTARIO IFSO	QUEBEC	QUEBEC	P.IM	NEW FNGI AND	SOUND	NORTHPORT- NORWALK	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) (I	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) (I	QUEBEC Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	<u>Controllable</u>	Controllable
·	IESO Zone O	QUEBEC (Wheel) (I 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 9.73	QUEBEC (Wheel) (I Zone M	QUEBEC Import/Export) Zone M 6.88	Zone P 17.70	Zone N 27.17	SOUND CABLE Controllable Line	NORWALK Controllable Line 28.35	Controllable Line 29.58	Controllable Line 24.22	Controllable Line 24.46	Controllable Line 6.36
Unweighted Price * Standard Deviation	Zone O 9.73	QUEBEC (Wheel) (I Zone M	QUEBEC Import/Export) Zone M 6.88	Zone P 17.70	Zone N 27.17	SOUND CABLE Controllable Line	NORWALK Controllable Line 28.35	Controllable Line 29.58	Controllable Line 24.22	Controllable Line 24.46	Controllable Line 6.36
Unweighted Price * Standard Deviation RTC LBMP	20ne O 9.73 2.88	QUEBEC (Wheel) (I Zone M 6.88 2.72	QUEBEC Import/Export) Zone M 6.88 2.72	Zone P 17.70 3.87	Zone N 27.17 5.81	SOUND CABLE Controllable Line 30.88 8.84	NORWALK Controllable Line 28.35 6.15	Controllable Line 29.58 8.16	Controllable Line 24.22 5.07	Controllable Line 24.46 5.23	Controllable Line 6.36 2.57
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation REAL TIME LBMP	9.73 2.88 10.82 8.93	QUEBEC (Wheel) (I Zone M 6.88 2.72 7.42 8.57	QUEBEC Import/Export) Zone M 6.88 2.72 7.42 8.57	Zone P 17.70 3.87 18.45 6.71	Zone N 27.17 5.81 26.42 8.87	SOUND CABLE Controllable Line 30.88 8.84 34.36 35.80	NORWALK Controllable Line 28.35 6.15 33.41 35.09	29.58 8.16 33.11 34.64	24.22 5.07 22.89 13.06	24.46 5.23 24.11 7.54	6.36 2.57 6.53 14.81
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	9.73 2.88	QUEBEC (Wheel) (I Zone M 6.88 2.72	QUEBEC Import/Export) Zone M 6.88 2.72	Zone P 17.70 3.87	ENGLAND Zone N 27.17 5.81	SOUND CABLE Controllable Line 30.88 8.84	NORWALK Controllable Line 28.35 6.15	Controllable Line 29.58 8.16	24.22 5.07	Controllable Line 24.46 5.23	Controllable Line 6.36 2.57

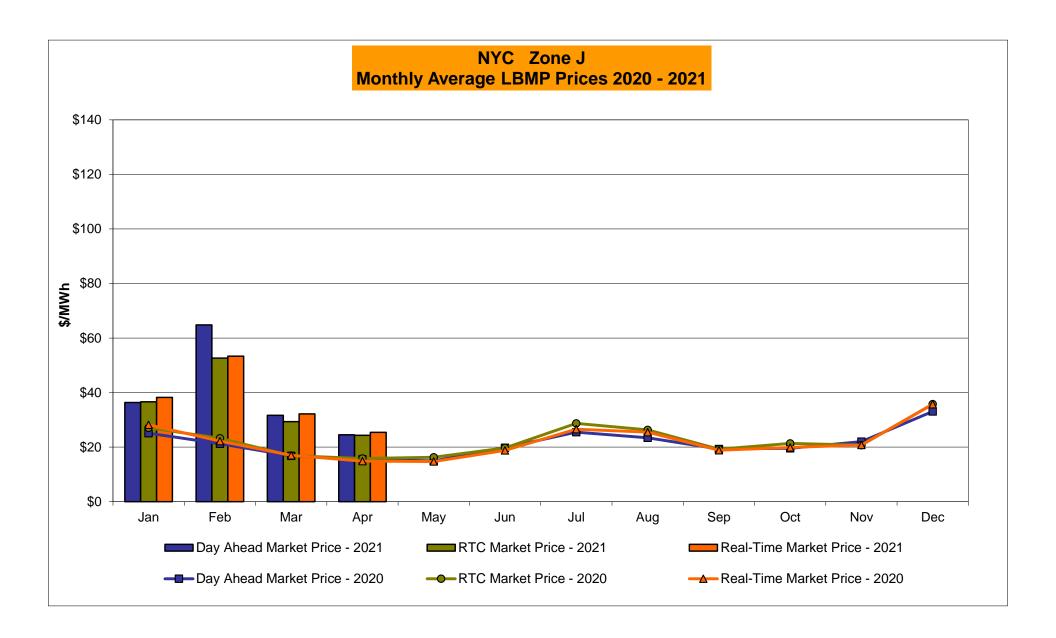
^{*} Straight LBMP averages

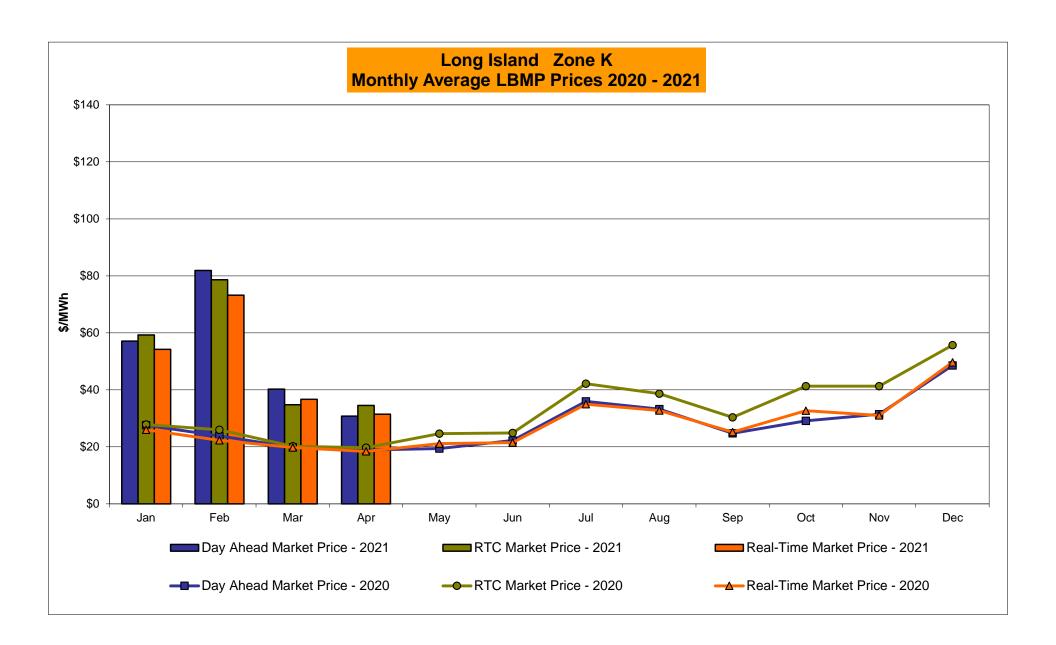


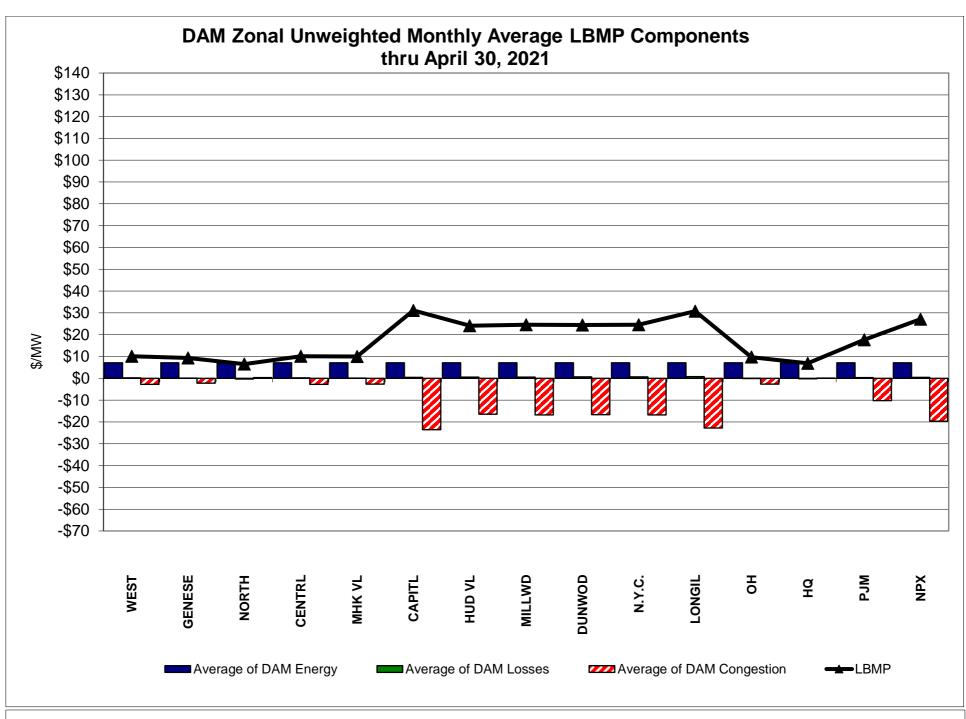


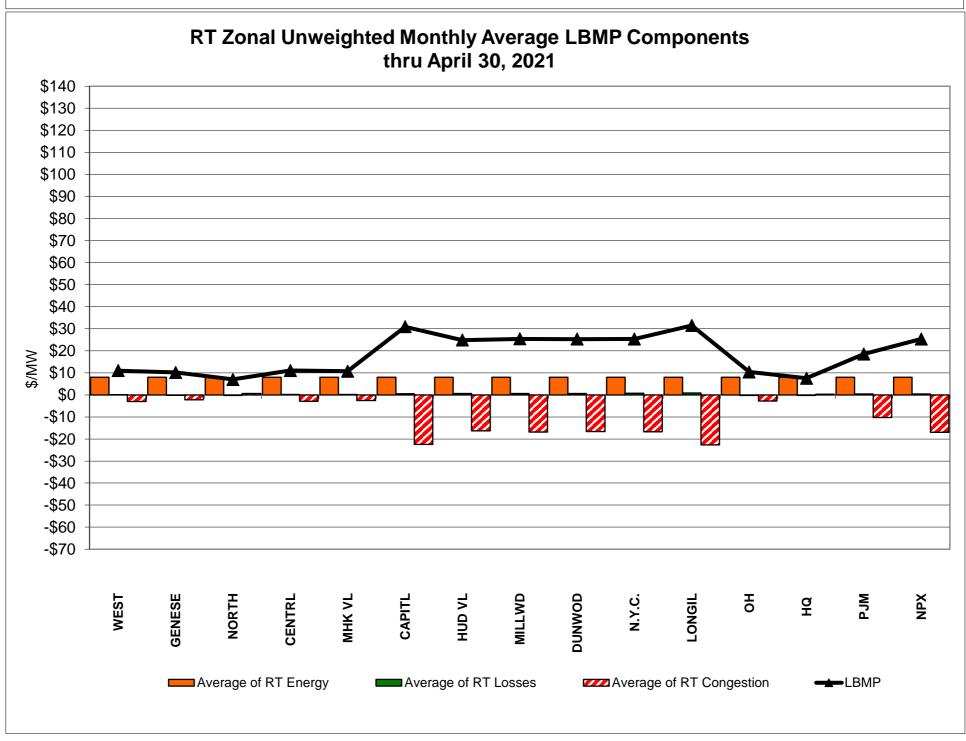




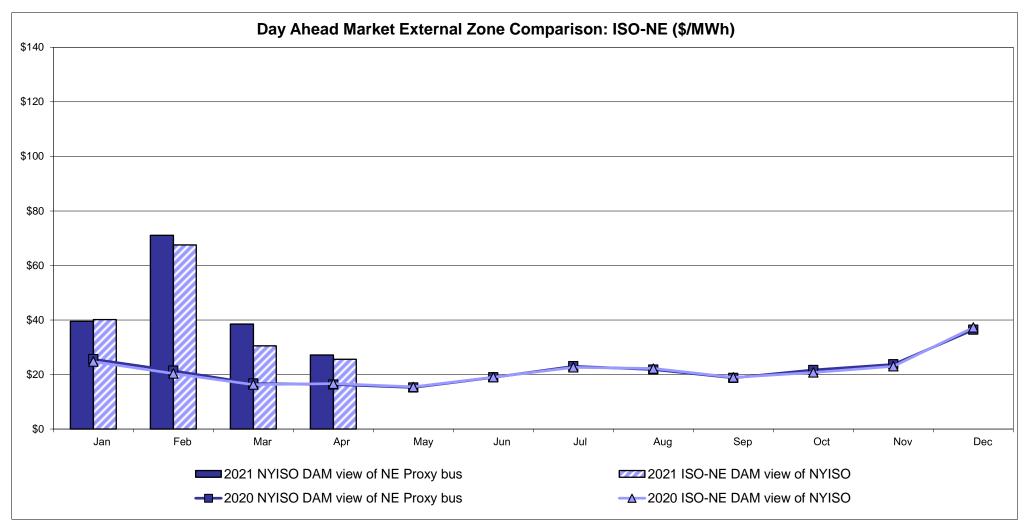


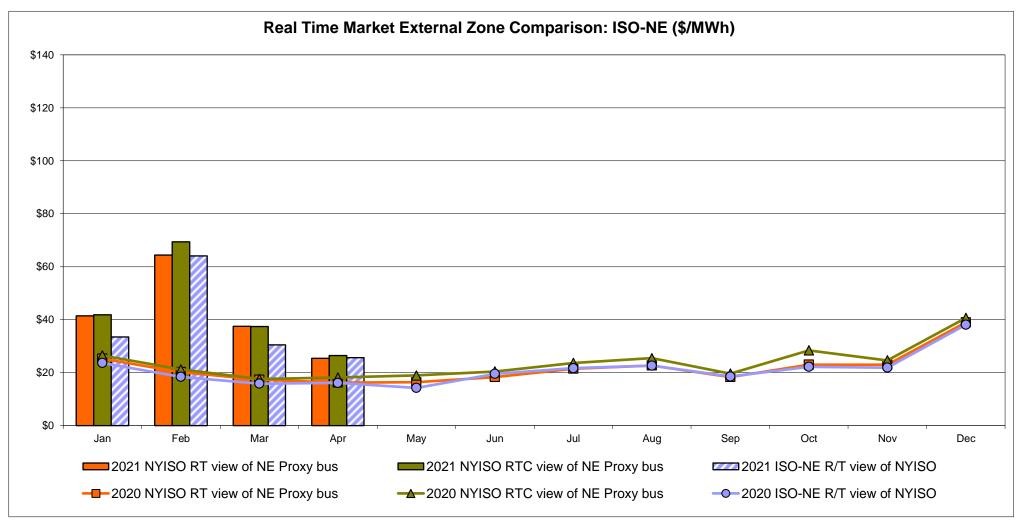




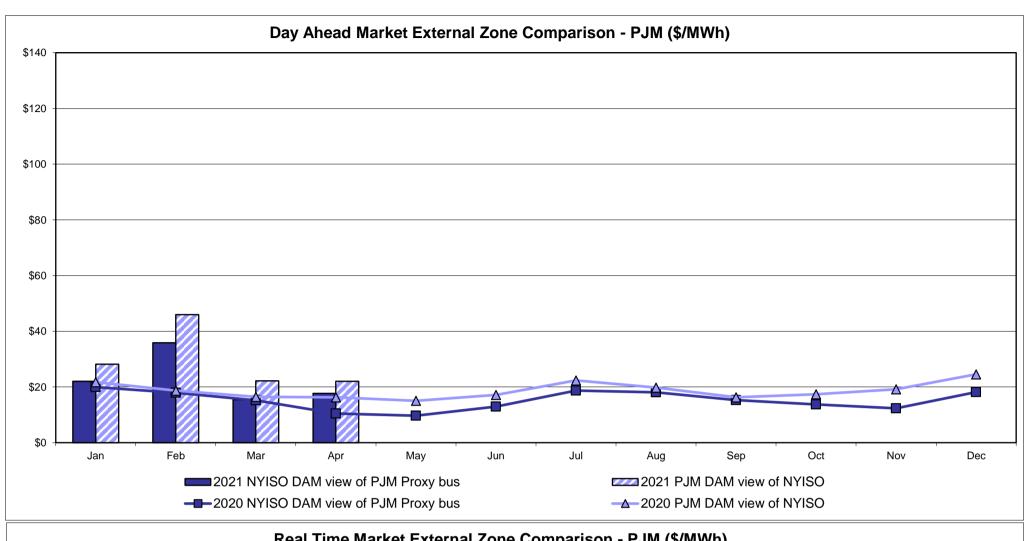


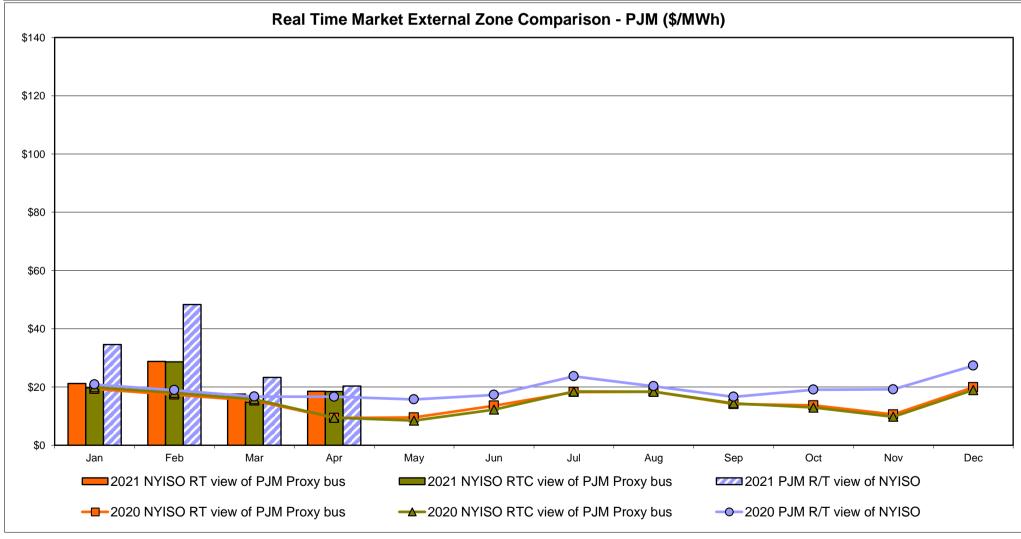
External Comparison ISO-New England



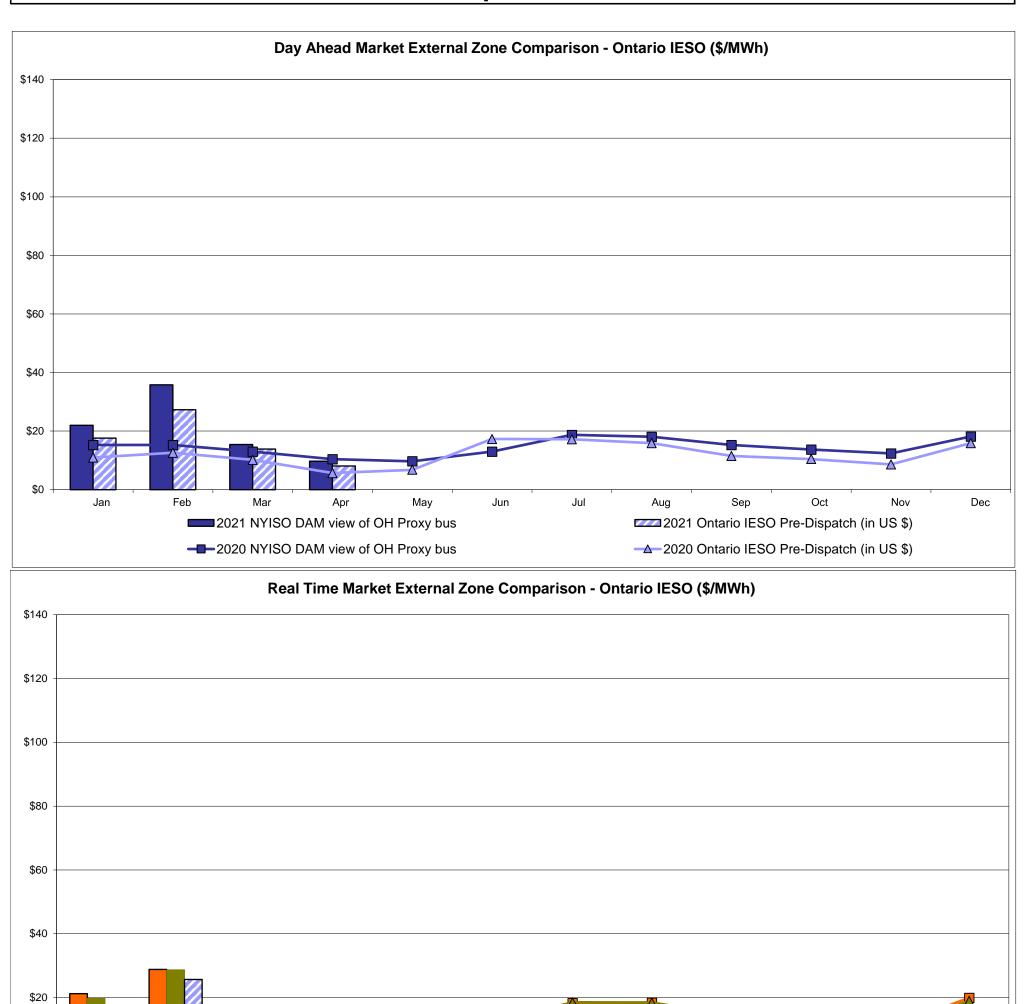


External Comparison PJM





External Comparison Ontario IESO



Notes: Exchange factor used for April 2021 was 0.800384184408516 to US

May

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

2021 NYISO RT view of OH Proxy bus

—2020 NYISO RT view of OH Proxy bus

Jan

2021 NYISO RTC view of OH Proxy bus

→ 2020 NYISO RTC view of OH Proxy bus

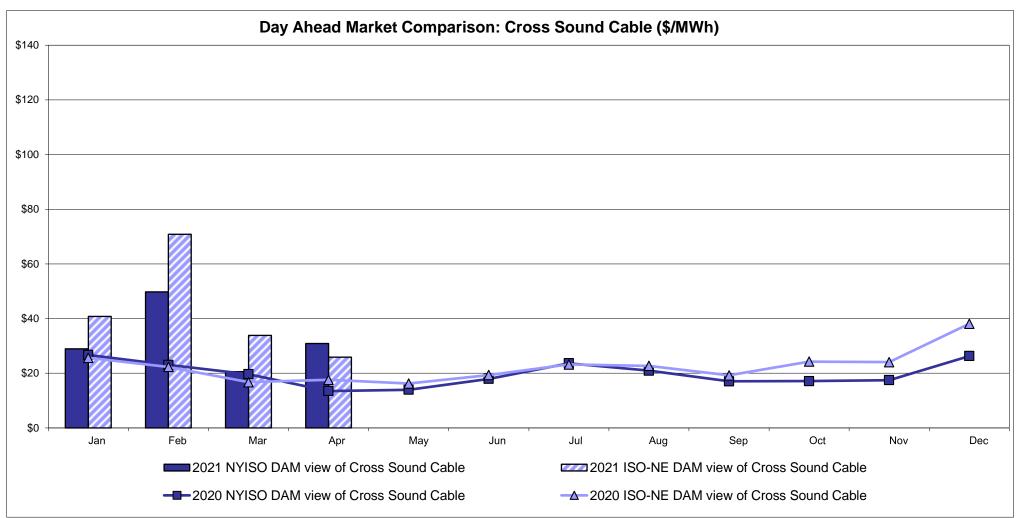
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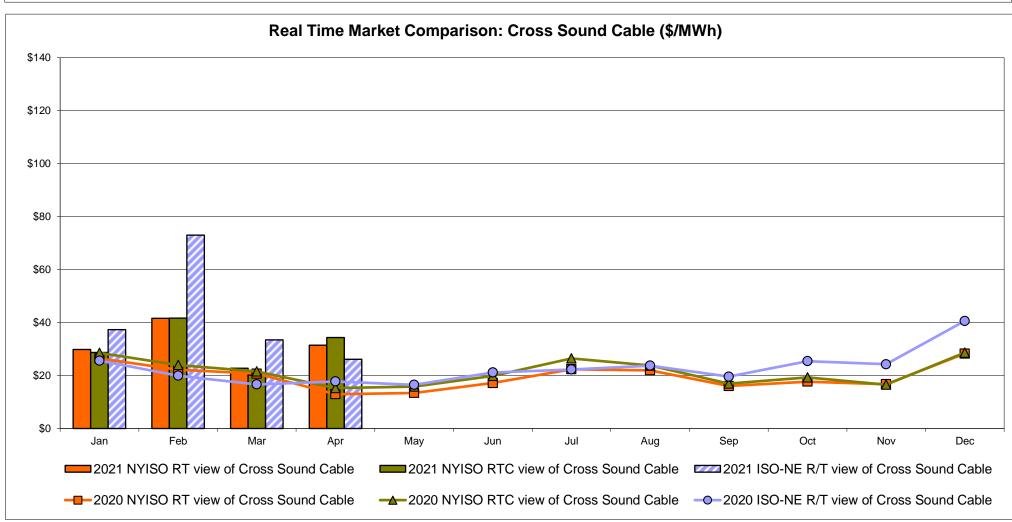
2021 Ontario IESO HOEP (in US \$)

-0-2020 Ontario IESO HOEP (in US \$)

Dec

External Controllable Line: Cross Sound Cable (New England)





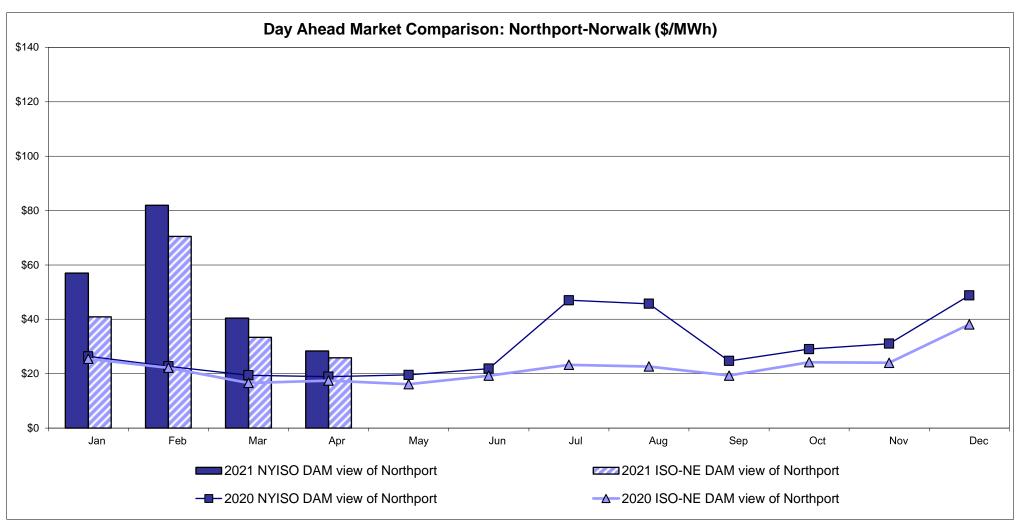
Note:

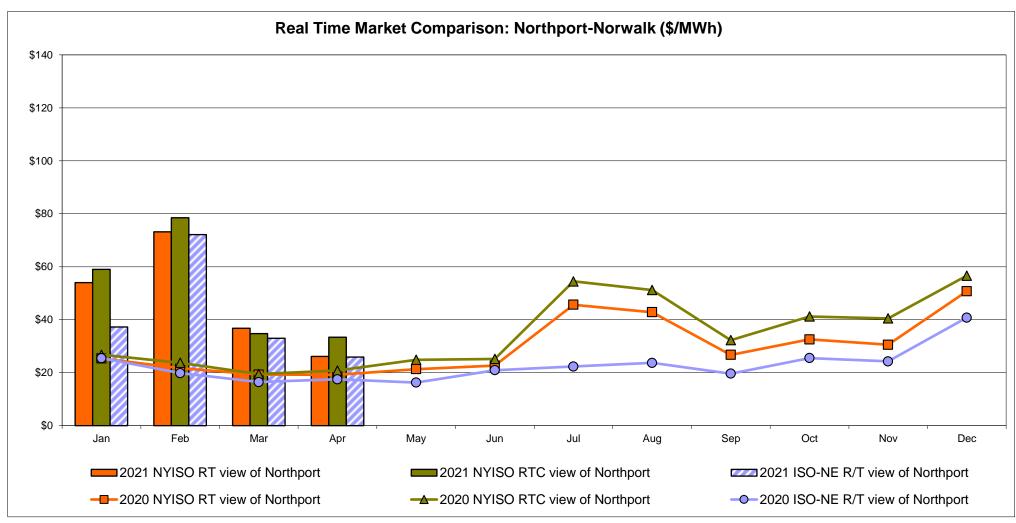
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)





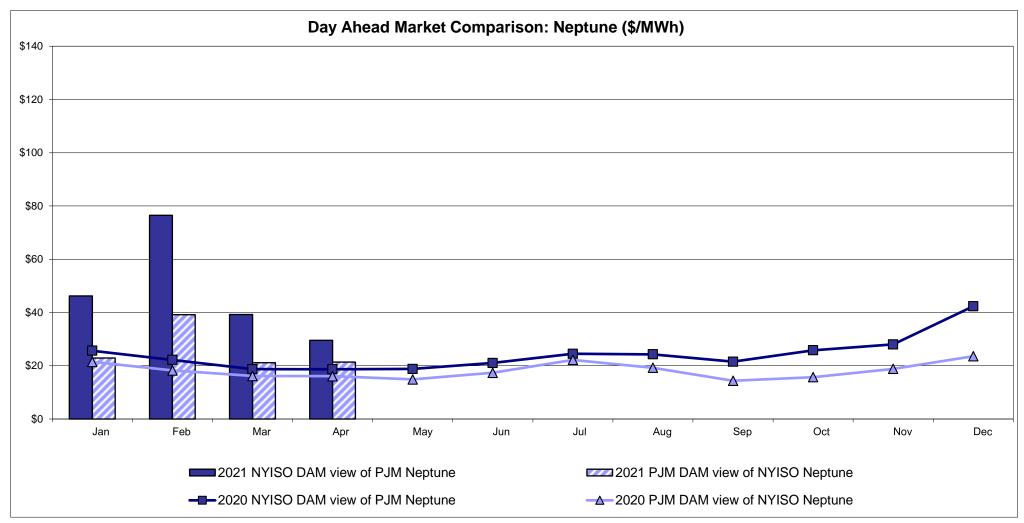
Note:

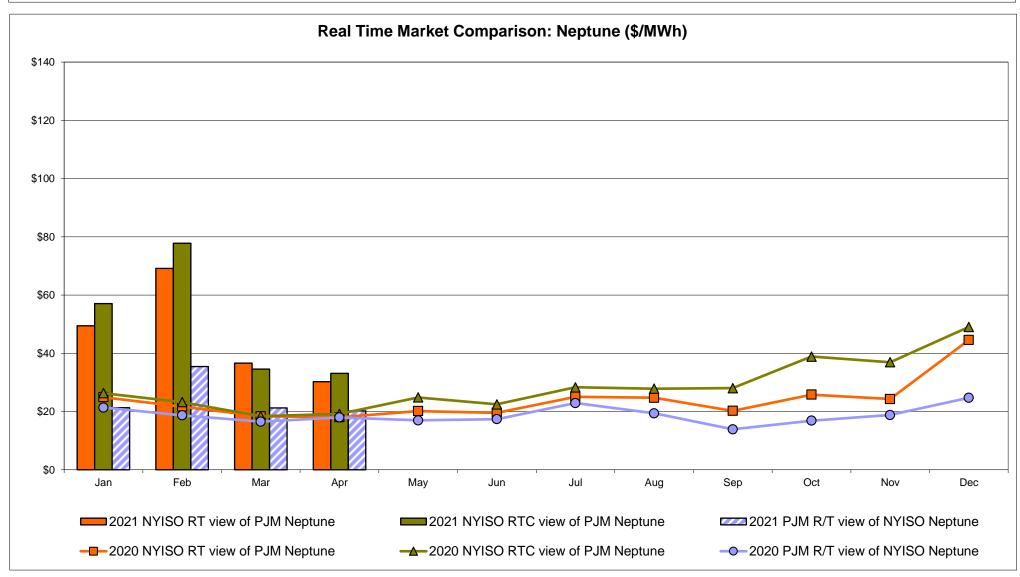
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

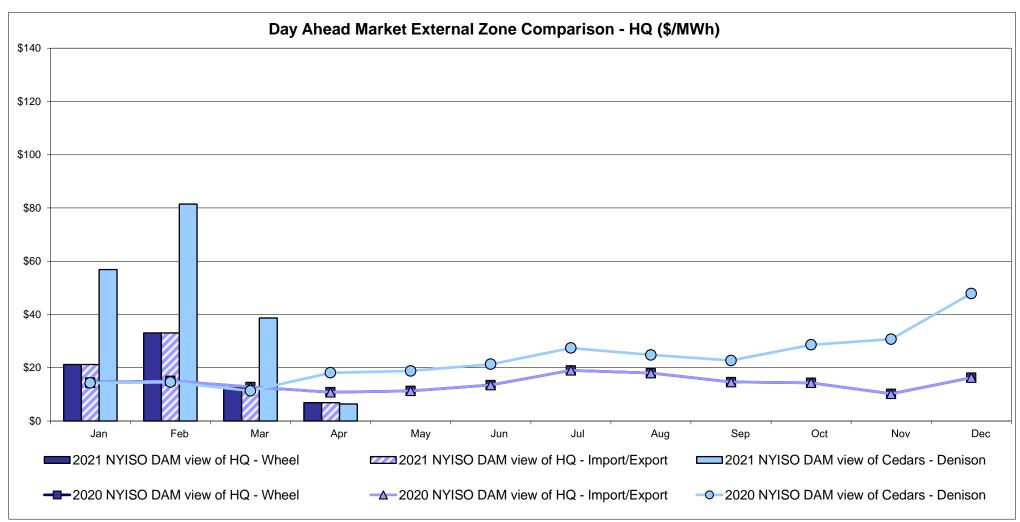
The DAM and R/T prices at the 1385 interface are used for NYISO.

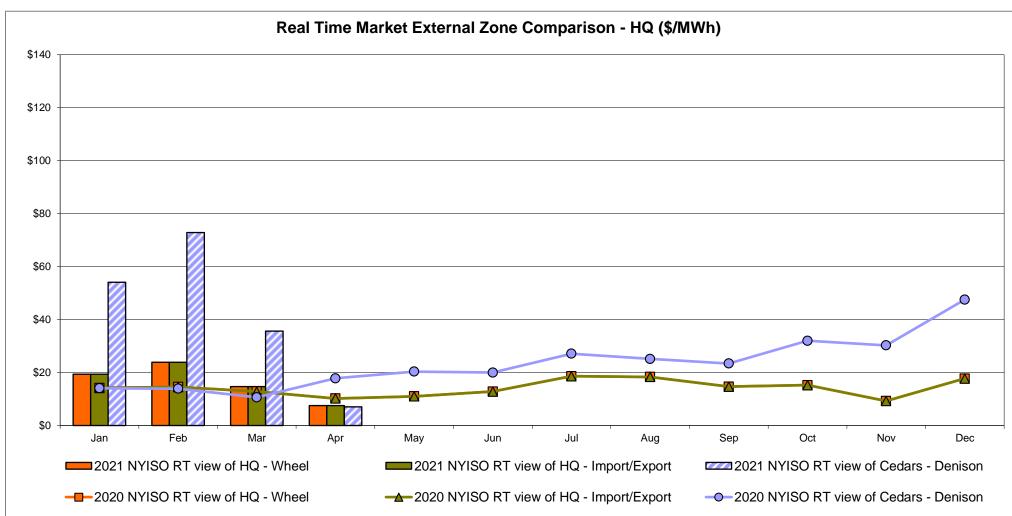
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

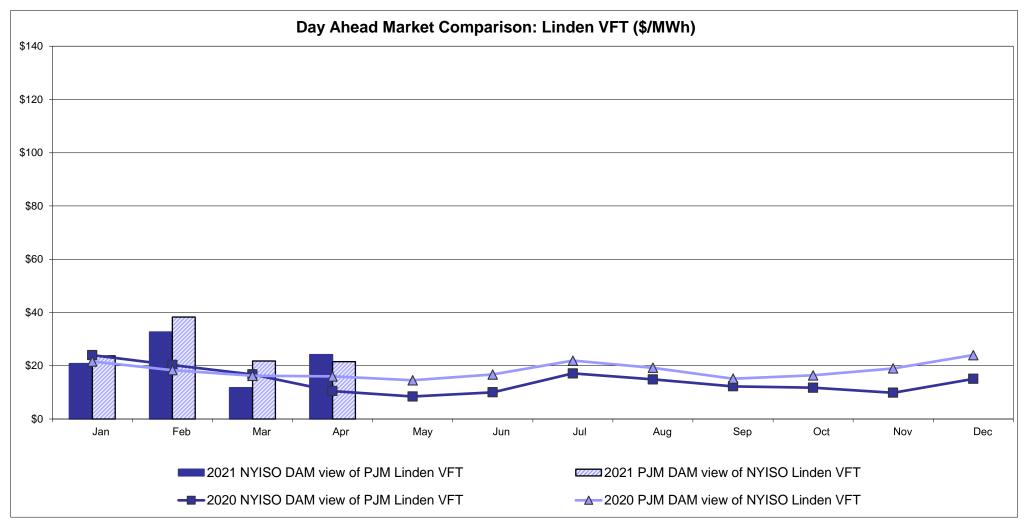


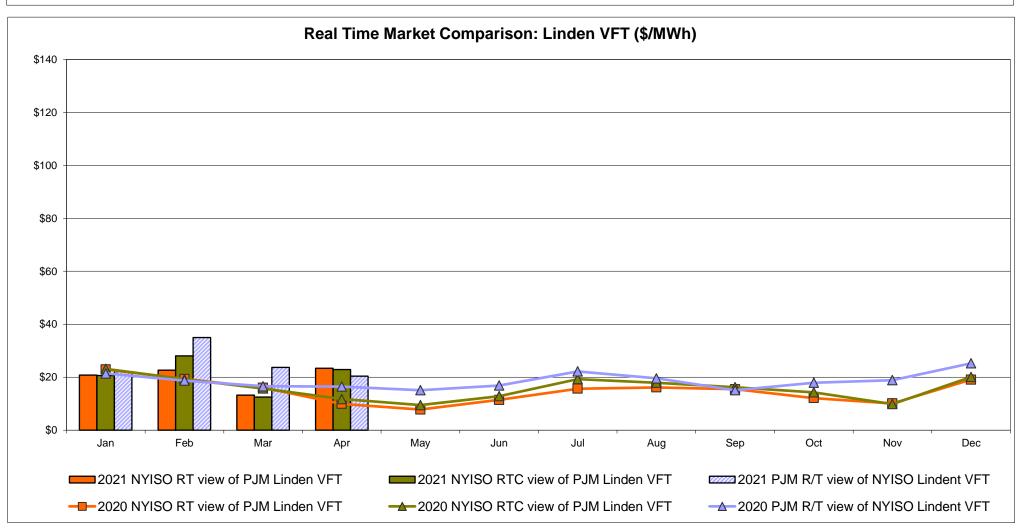


Note:

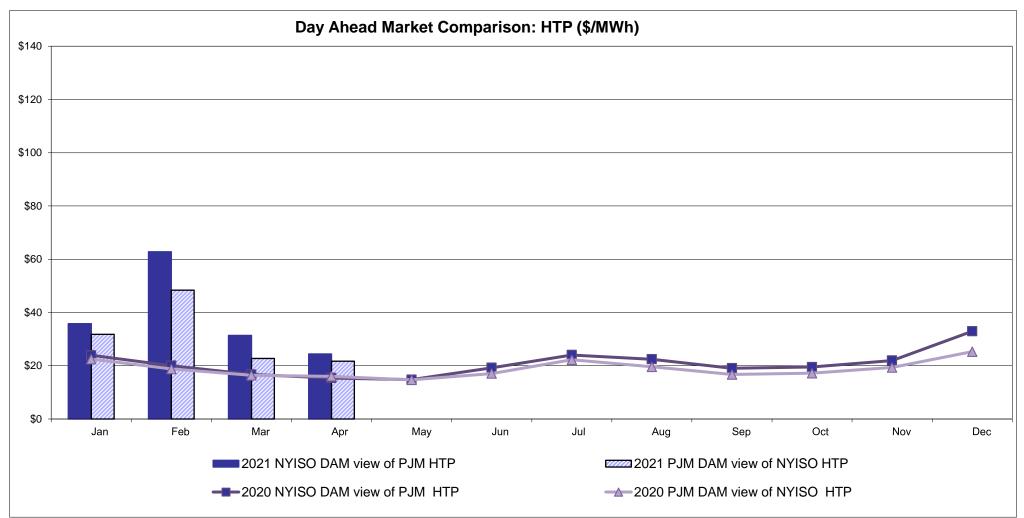
Hydro-Quebec Prices are unavailable.

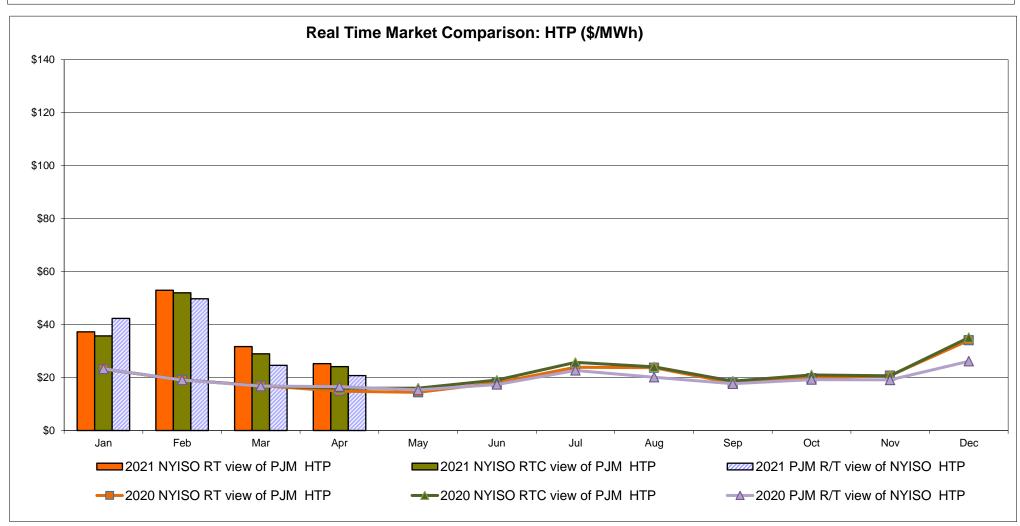
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)

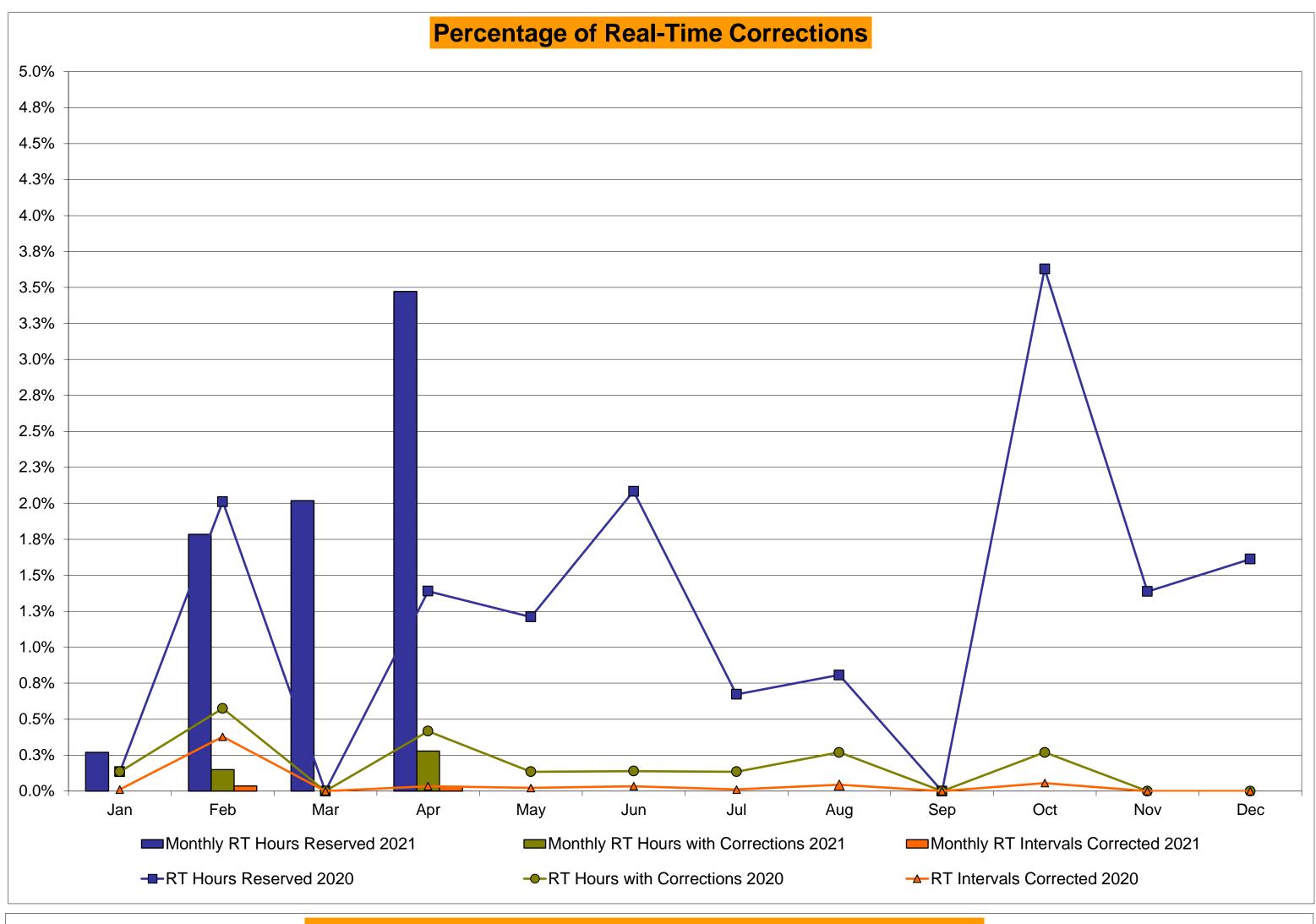


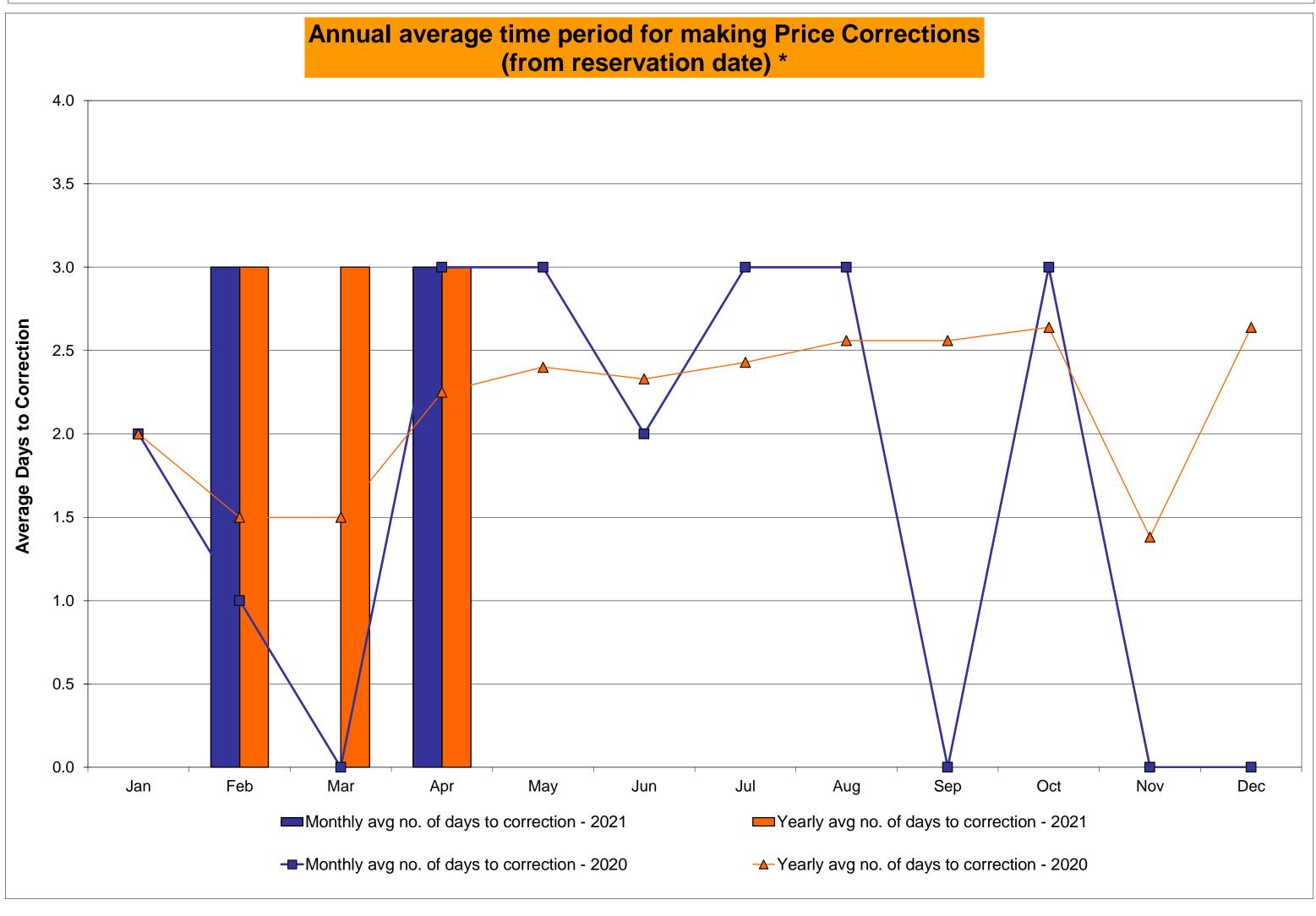


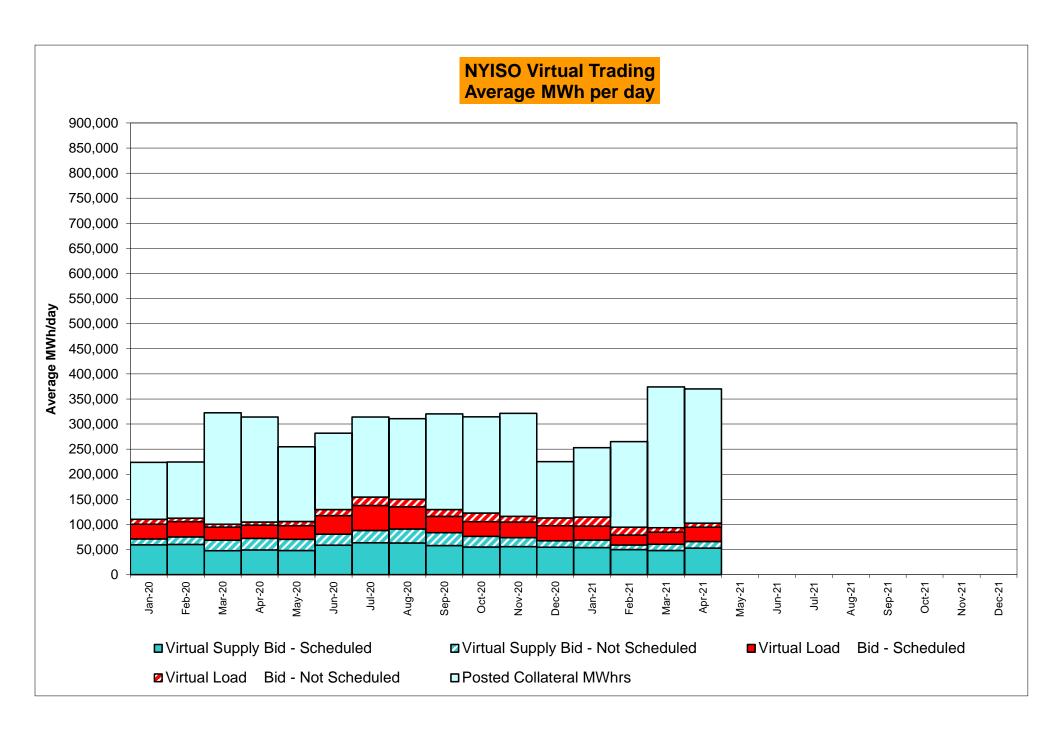
NYISO Real Time Price Correction Statistics

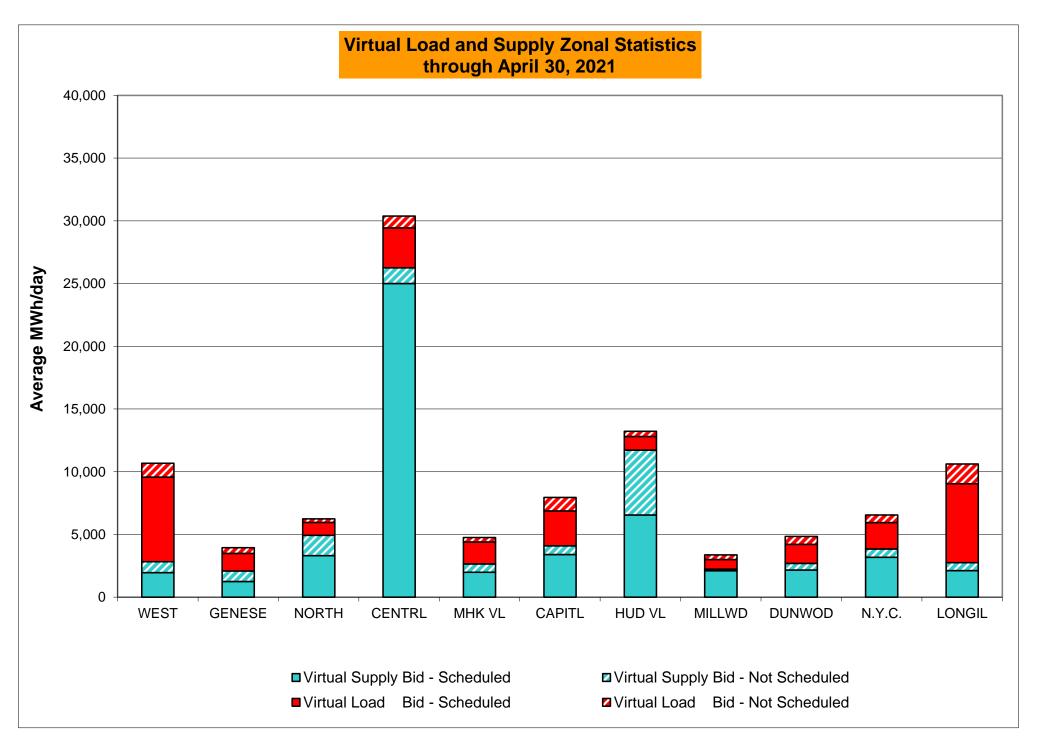
2021 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Number of hours with corrections	in the month	0	1	0	2								
Number of hours	in the month	744	672	743	720								
% of hours with corrections	in the month	0.00%	0.15%	0.00%	0.28%								
% of hours with corrections Interval Corrections	year-to-date	0.00%	0.07%	0.05%	0.10%								
Number of intervals corrected	in the month	0	2	0	2								
	in the month	0	3	0	3								
Number of intervals	in the month	9,095	8,236	9,100	8,827								
% of intervals corrected	in the month	0.00%	0.04%	0.00%	0.03%								
% of intervals corrected	year-to-date	0.00%	0.02%	0.01%	0.02%								
Hours Reserved		•	4.0		0-								
Number of hours reserved	in the month	2	12	15	25								
Number of hours	in the month	744	672	743	720								
% of hours reserved	in the month	0.27%	1.79%	2.02%	3.47%								
% of hours reserved	year-to-date	0.27%	0.99%	1.34%	1.88%								
Days to Correction *													
Avg. number of days to correction	in the month	0.00	3.00	0.00	3.00								
Avg. number of days to correction	year-to-date	0.00	3.00	3.00	3.00								
Days Without Corrections													
Days without corrections	in the month	31	27	31	28								
Days without corrections	year-to-date	31	58	89	117								
2020		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	July	August	September	October	November	December
2020 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>
Hour Corrections	in the month	<u>January</u> 1				<u>May</u> 1	June 1	<u>July</u> 1					<u>December</u> 0
Hour Corrections Number of hours with corrections	in the month	1	4	0	3	<u>May</u> 1 744	1	1	2	0	2	0	0
Hour Corrections		<u>January</u> 1 744 0.13%				1	June 1 720 0.14%	<u>July</u> 1 744 0.13%					0 744 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	1 744 0.13%	4 696 0.57%	0 743 0.00%	3 720 0.42%	1 744 0.13%	1 720 0.14%	1 744 0.13%	2 744 0.27%	0 720 0.00%	2 744 0.27%	0 721 0.00%	0 744 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month	1 744	4 696	0 743	3 720	1 744	1 720	1 744	2 744	0 720	2 744	0 721	0 744
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	1 744 0.13%	4 696 0.57% 0.35%	0 743 0.00% 0.23%	3 720 0.42% 0.28%	1 744 0.13% 0.25%	1 720 0.14% 0.23%	1 744 0.13%	2 744 0.27%	0 720 0.00% 0.20%	2 744 0.27% 0.20%	0 721 0.00% 0.19%	0 744 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected	in the month in the month year-to-date in the month	1 744 0.13% 0.13%	4 696 0.57% 0.35%	0 743 0.00% 0.23%	3 720 0.42% 0.28%	1 744 0.13% 0.25%	1 720 0.14% 0.23%	1 744 0.13% 0.22%	2 744 0.27% 0.22%	0 720 0.00% 0.20%	2 744 0.27% 0.20%	0 721 0.00% 0.19%	0 744 0.00% 0.17%
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	1 744 0.13%	4 696 0.57% 0.35%	0 743 0.00% 0.23%	3 720 0.42% 0.28%	1 744 0.13% 0.25%	1 720 0.14% 0.23%	1 744 0.13%	2 744 0.27%	0 720 0.00% 0.20%	2 744 0.27% 0.20%	0 721 0.00% 0.19%	0 744 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	1 744 0.13% 0.13% 1 9,088 0.01%	4 696 0.57% 0.35% 32 8,460 0.38%	0 743 0.00% 0.23% 0 9,011 0.00%	3 720 0.42% 0.28% 3 8,776 0.03%	1 744 0.13% 0.25% 2 9,030 0.02%	1 720 0.14% 0.23% 3 8,826 0.03%	1 744 0.13% 0.22% 1 9,128 0.01%	2 744 0.27% 0.22% 4 9,156 0.04%	0 720 0.00% 0.20% 0 8,810 0.00%	2 744 0.27% 0.20% 5 9,048 0.06%	0 721 0.00% 0.19% 0 8,790 0.00%	0 744 0.00% 0.17% 0 9,083 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month	1 744 0.13% 0.13% 1 9,088	4 696 0.57% 0.35% 32 8,460	0 743 0.00% 0.23% 0 9,011	3 720 0.42% 0.28% 3 8,776	1 744 0.13% 0.25% 2 9,030	1 720 0.14% 0.23% 3 8,826	1 744 0.13% 0.22% 1 9,128	2 744 0.27% 0.22% 4 9,156	0 720 0.00% 0.20%	2 744 0.27% 0.20% 5 9,048	0 721 0.00% 0.19% 0 8,790	0 744 0.00% 0.17% 0 9,083
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	1 744 0.13% 0.13% 1 9,088 0.01%	4 696 0.57% 0.35% 32 8,460 0.38% 0.19%	0 743 0.00% 0.23% 0 9,011 0.00% 0.12%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10%	1 744 0.13% 0.25% 2 9,030 0.02% 0.09%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06%	0 720 0.00% 0.20% 0 8,810 0.00% 0.06%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06%	0 721 0.00% 0.19% 0 8,790 0.00% 0.05%	0 744 0.00% 0.17% 0 9,083 0.00% 0.05%
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	1 744 0.13% 0.13% 1 9,088 0.01% 0.01%	4 696 0.57% 0.35% 32 8,460 0.38% 0.19%	0 743 0.00% 0.23% 0 9,011 0.00% 0.12%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10%	1 744 0.13% 0.25% 2 9,030 0.02% 0.09%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06%	0 720 0.00% 0.20% 0 8,810 0.00% 0.06%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06%	0 721 0.00% 0.19% 0 8,790 0.00% 0.05%	0 744 0.00% 0.17% 0 9,083 0.00% 0.05%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	1 744 0.13% 0.13% 1 9,088 0.01% 0.01%	4 696 0.57% 0.35% 32 8,460 0.38% 0.19%	0 743 0.00% 0.23% 0 9,011 0.00% 0.12%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10%	1 744 0.13% 0.25% 2 9,030 0.02% 0.09%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06%	0 720 0.00% 0.20% 0 8,810 0.00% 0.06%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 27 744	0 721 0.00% 0.19% 0 8,790 0.00% 0.05%	0 744 0.00% 0.17% 0 9,083 0.00% 0.05%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	1 744 0.13% 0.13% 1 9,088 0.01% 0.01% 1 744 0.13%	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01%	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39%	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81%	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0 720 0.00%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 27 744 3.63%	0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721 1.39%	0 744 0.00% 0.17% 0 9,083 0.00% 0.05% 12 744 1.61%
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	1 744 0.13% 0.13% 1 9,088 0.01% 0.01%	4 696 0.57% 0.35% 32 8,460 0.38% 0.19%	0 743 0.00% 0.23% 0 9,011 0.00% 0.12%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10%	1 744 0.13% 0.25% 2 9,030 0.02% 0.09%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06%	0 720 0.00% 0.20% 0 8,810 0.00% 0.06%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 27 744	0 721 0.00% 0.19% 0 8,790 0.00% 0.05%	0 744 0.00% 0.17% 0 9,083 0.00% 0.05%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % 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	1 744 0.13% 0.13% 1 9,088 0.01% 0.01% 1 744 0.13% 0.13%	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01% 1.04%	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00% 0.69%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39% 0.86%	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21% 0.93%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08% 1.12%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67% 1.06%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81% 1.02%	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0 720 0.00% 0.91%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 27 744 3.63% 1.19%	0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721 1.39% 1.21%	0 744 0.00% 0.17% 0 9,083 0.00% 0.05% 12 744 1.61% 1.24%
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 % 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	1 744 0.13% 0.13% 1 9,088 0.01% 0.01% 1 744 0.13% 0.13% 2.00	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01% 1.04%	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00% 0.69%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39% 0.86% 3.00	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21% 0.93% 3.00	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08% 1.12%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67% 1.06%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81% 1.02% 3.00	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0 720 0.00% 0.91%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 27 744 3.63% 1.19%	0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721 1.39% 1.21% 0.00	0 744 0.00% 0.17% 0 9,083 0.00% 0.05% 12 744 1.61% 1.24%
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 % 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	1 744 0.13% 0.13% 1 9,088 0.01% 0.01% 1 744 0.13% 0.13%	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01% 1.04%	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00% 0.69%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39% 0.86%	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21% 0.93%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08% 1.12%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67% 1.06%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81% 1.02%	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0 720 0.00% 0.91%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 27 744 3.63% 1.19%	0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721 1.39% 1.21%	0 744 0.00% 0.17% 0 9,083 0.00% 0.05% 12 744 1.61% 1.24%
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	1 744 0.13% 0.13% 1 9,088 0.01% 0.01% 1 744 0.13% 0.13% 2.00 2.00	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01% 1.04% 1.00 1.50	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00% 0.69% 0.00 1.50	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39% 0.86% 3.00 2.25	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21% 0.93% 3.00 2.40	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08% 1.12% 2.00 2.33	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67% 1.06% 3.00 2.43	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81% 1.02% 3.00 2.56	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0 720 0.00% 0.91% 0.00 2.56	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 27 744 3.63% 1.19% 3.00 2.64	0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721 1.39% 1.21% 0.00 1.38	0 744 0.00% 0.17% 0 9,083 0.00% 0.05% 12 744 1.61% 1.24% 0.00 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	1 744 0.13% 0.13% 1 9,088 0.01% 0.01% 1 744 0.13% 0.13% 2.00	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01% 1.04%	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00% 0.69%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39% 0.86% 3.00	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21% 0.93%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08% 1.12%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67% 1.06%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81% 1.02% 3.00	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0 720 0.00% 0.91%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 27 744 3.63% 1.19%	0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721 1.39% 1.21% 0.00	0 744 0.00% 0.17% 0 9,083 0.00% 0.05% 12 744 1.61% 1.24%

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









Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2021 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 Zone Date Scheduled Scheduled Scheduled Scheduled Date Scheduled Scheduled Scheduled Scheduled Zone Zone MHK VL DUNWOD **WEST** 1,076 2,000 Jan-21 6,262 1,726 2,018 Jan-21 1,537 548 1,967 531 Jan-21 1,881 2,339 475 Feb-21 4,588 1,544 1,842 959 Feb-21 1,031 584 2,081 392 Feb-21 912 1,806 2,015 568 Mar-21 5,696 840 1,144 893 Mar-21 1,669 305 1,402 524 Mar-21 1,303 817 1,780 1,142 6,747 1,100 1,948 873 1,982 670 1,519 2,166 524 Apr-21 Apr-21 1,741 366 Apr-21 638 May-21 May-21 May-21 Jun-21 Jun-21 Jun-21 Jul-21 Jul-21 Jul-21 Aug-21 Aug-21 Aug-21 Sep-21 Sep-21 Sep-21 Oct-21 Oct-21 Oct-21 Nov-21 Nov-21 Nov-21 Dec-21 Dec-21 Dec-21 GENESE 329 853 CAPITL 792 N.Y.C. 2,580 2,503 Jan-21 1,117 1,085 Jan-21 3,046 1,995 2,207 Jan-21 3,486 679 390 617 2.483 Feb-21 2.275 Feb-21 857 1,310 Feb-21 1,967 2,065 535 1.983 2.475 678 3,192 Mar-21 817 295 1,433 833 Mar-21 Mar-21 2,149 1,385 2,465 757 1,581 2,230 1,041 1,396 2,116 3,175 Apr-21 466 1,251 834 Apr-21 2,770 3,404 694 Apr-21 602 662 1,075 May-21 May-21 May-21 Jun-21 Jun-21 Jun-21 Jul-21 Jul-21 Jul-21 Aug-21 Aug-21 Aug-21 Sep-21 Sep-21 Sep-21 Oct-21 Oct-21 Oct-21 Nov-21 Nov-21 Nov-21 Dec-21 Dec-21 Dec-21 NORTH 498 3,280 HUD VL 5,917 LONGIL 4,341 4.976 Jan-21 830 1,220 Jan-21 1,666 7,429 Jan-21 3,261 686 1,215 Feb-21 405 410 2,654 1,258 Feb-21 2,247 3,899 3,560 1,758 862 1,685 1,148 4,967 Feb-21 Mar-21 641 125 3,152 2,052 Mar-21 1,013 455 5,555 3,086 Mar-21 4,846 2,196 2,232 1,195 6,547 6,288 1,031 278 3,310 1,622 1,096 411 5,166 1,581 2,121 Apr-21 Apr-21 Apr-21 631 May-21 May-21 May-21 Jun-21 Jun-21 Jun-21 Jul-21 Jul-21 Jul-21 Aug-21 Aug-21 Aug-21 Sep-21 Sep-21 Sep-21 Oct-21 Oct-21 Oct-21 Nov-21 Nov-21 Nov-21 Dec-21 Dec-21 Dec-21 CENTRL Jan-21 2,124 938 28,034 1,094 MILLWD Jan-21 1,368 672 1,820 139 **NYISO** Jan-21 27,659 17,816 54,093 14,973 Feb-21 1,357 1,102 27,531 954 Feb-21 530 541 1,463 115 Feb-21 19,732 15,526 49,963 9,186 2,108 12,586 Mar-21 541 24,874 888 Mar-21 731 240 1,732 175 Mar-21 24,164 8,780 47,999 941 25.006 1.249 775 359 2.106 126 53.015 Apr-21 3.179 Apr-21 Apr-21 28.658 7,818 13.052 May-21 May-21 May-21 Jun-21 Jun-21 Jun-21 Jul-21 Jul-21 Jul-21 Aug-21 Aug-21 Aug-21 Sep-21 Sep-21 Sep-21 Oct-21 Oct-21 Oct-21

Nov-21

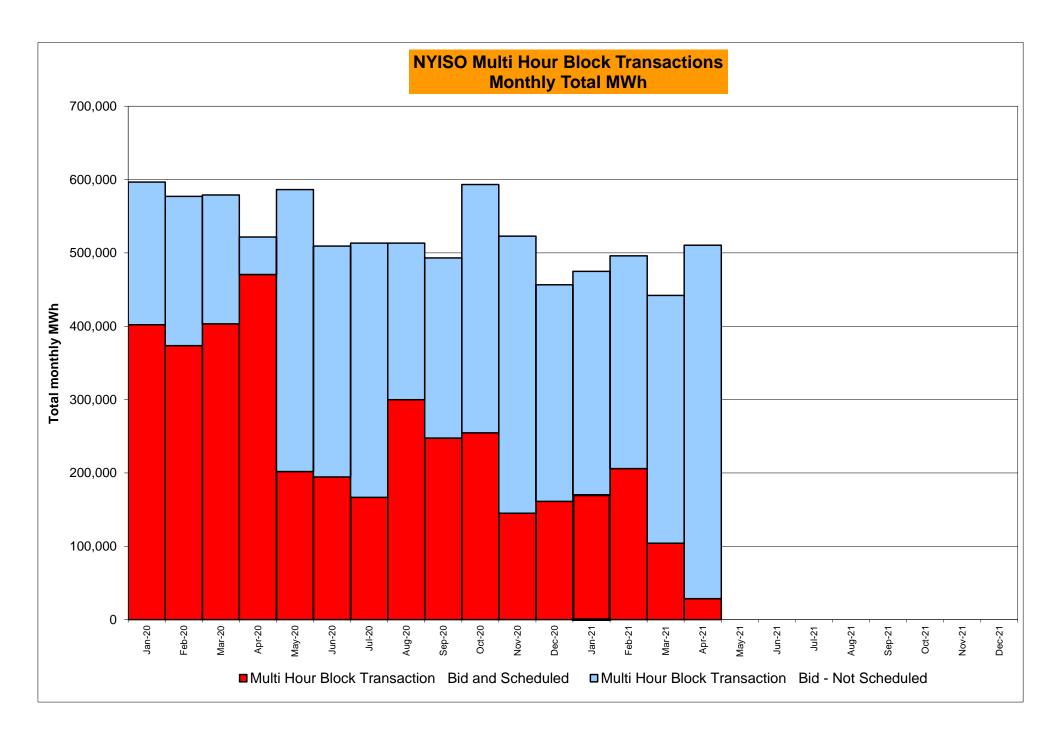
Dec-21

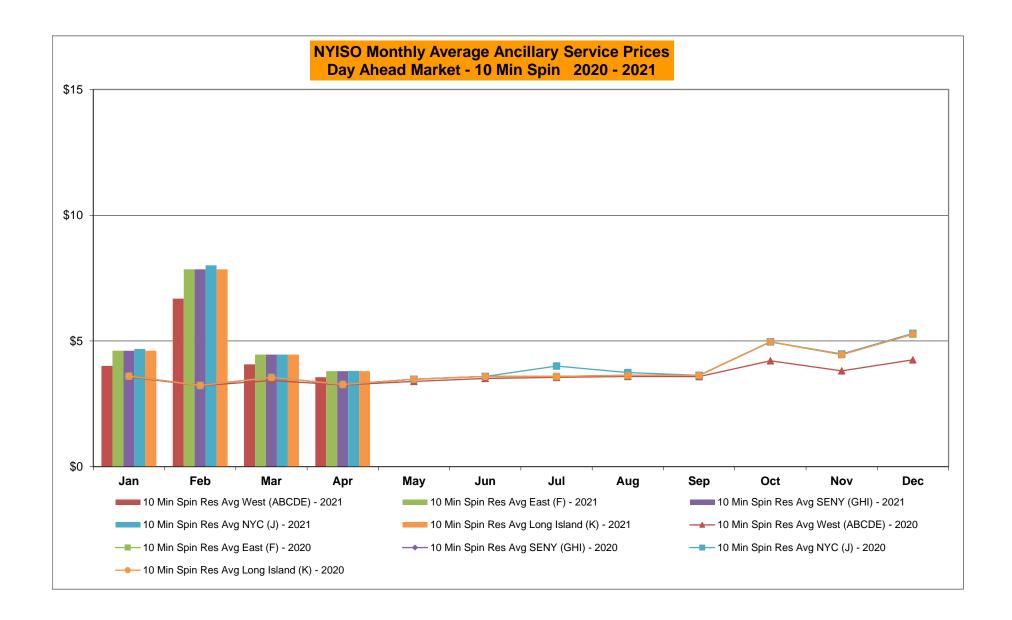
Nov-21

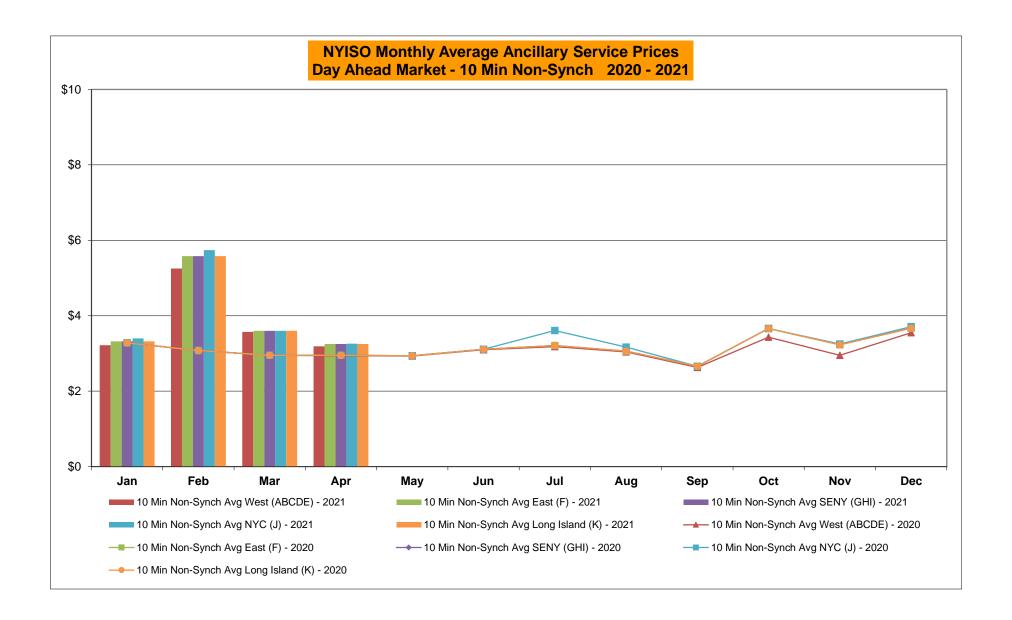
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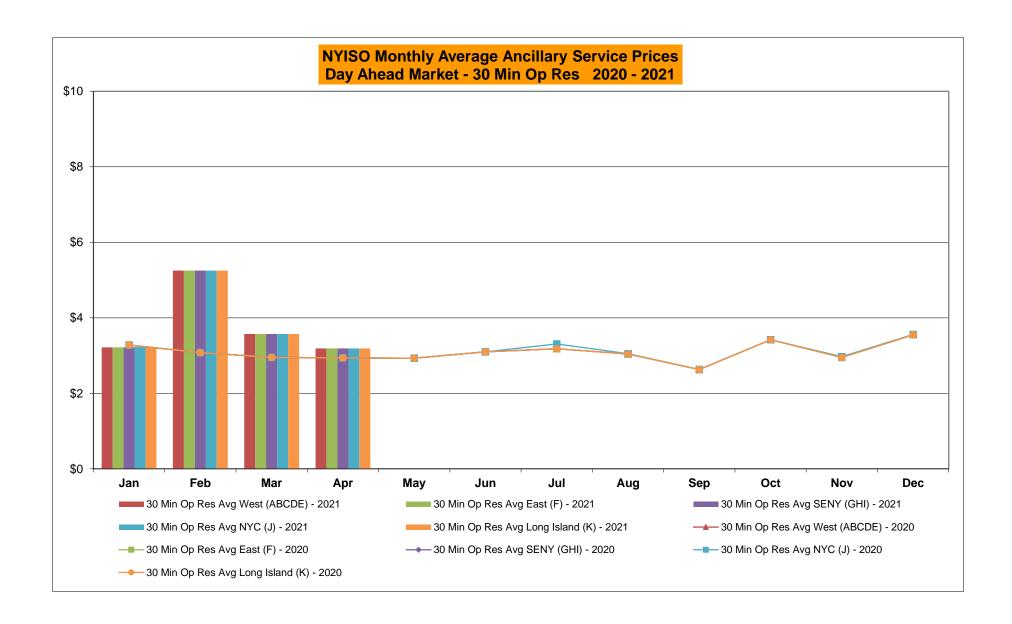
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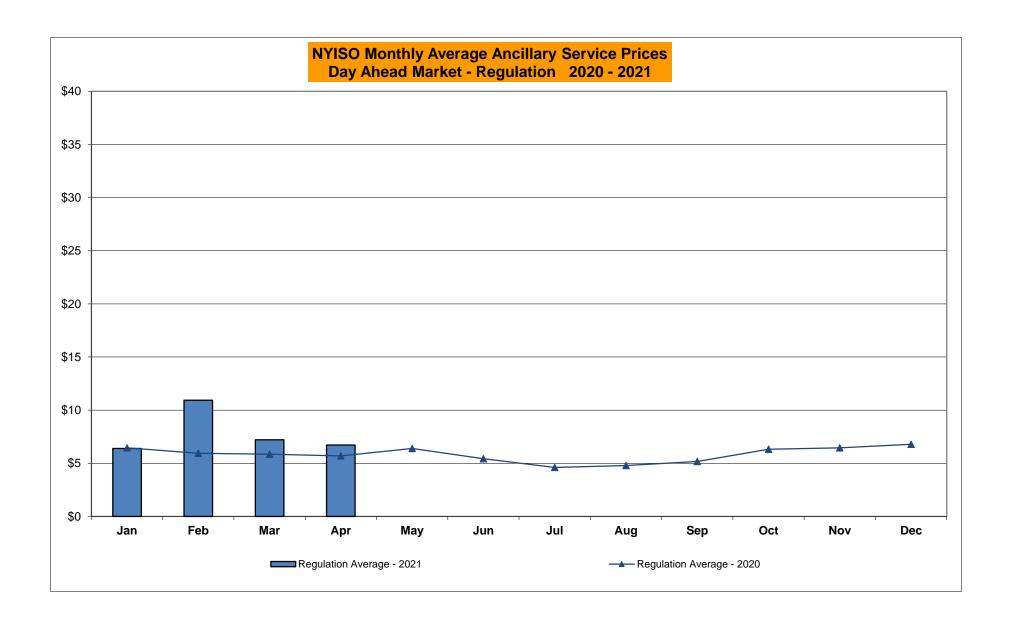
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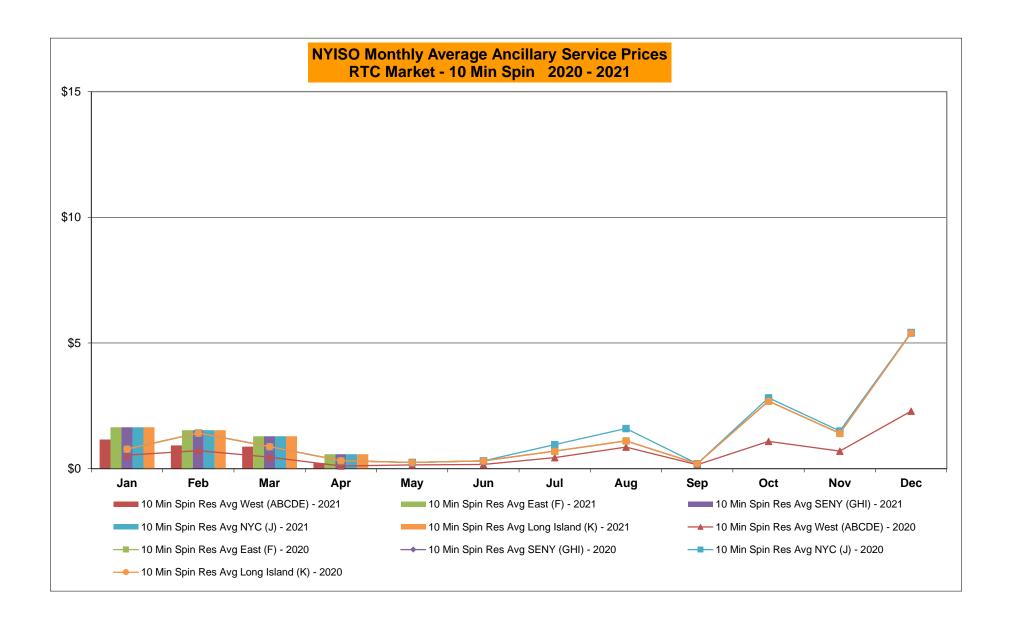


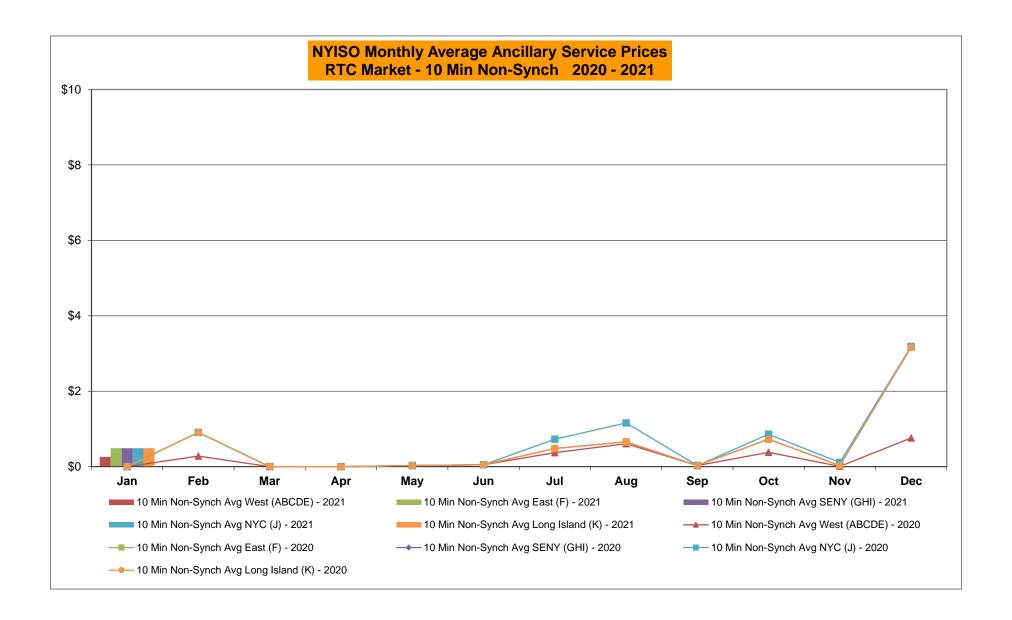


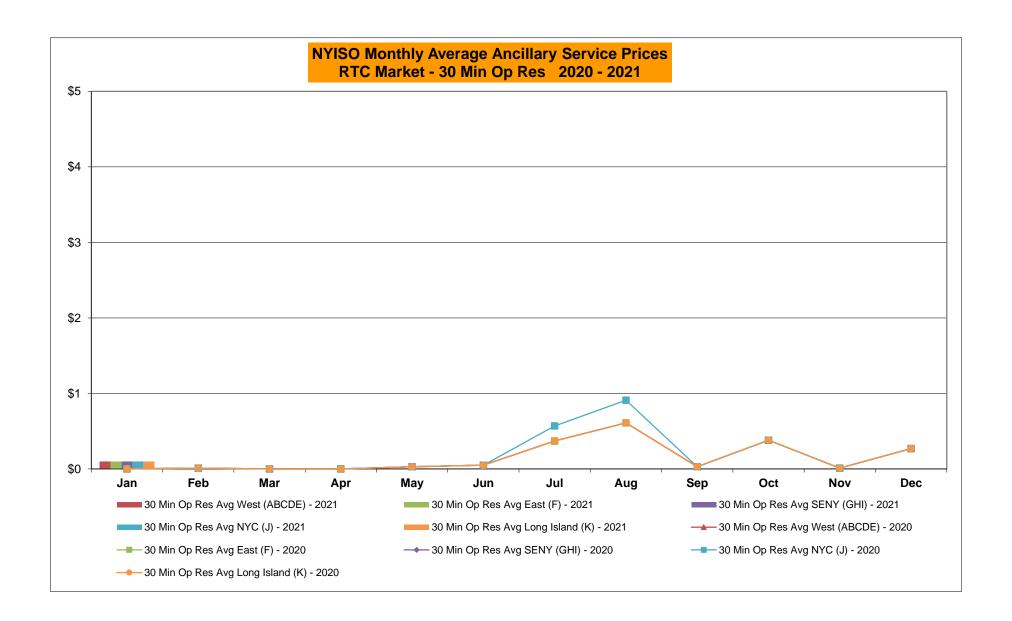


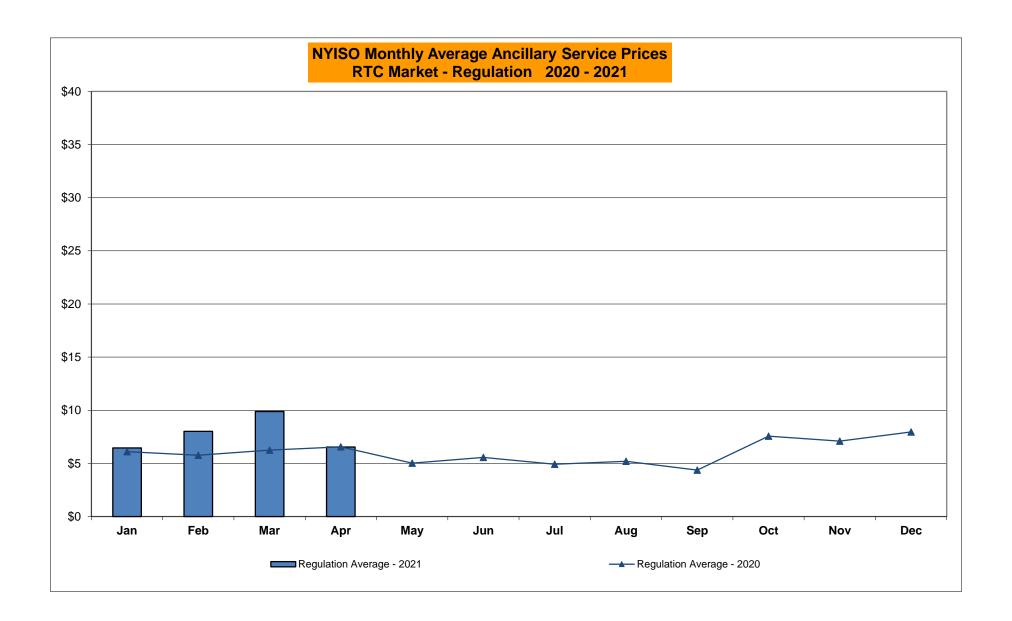


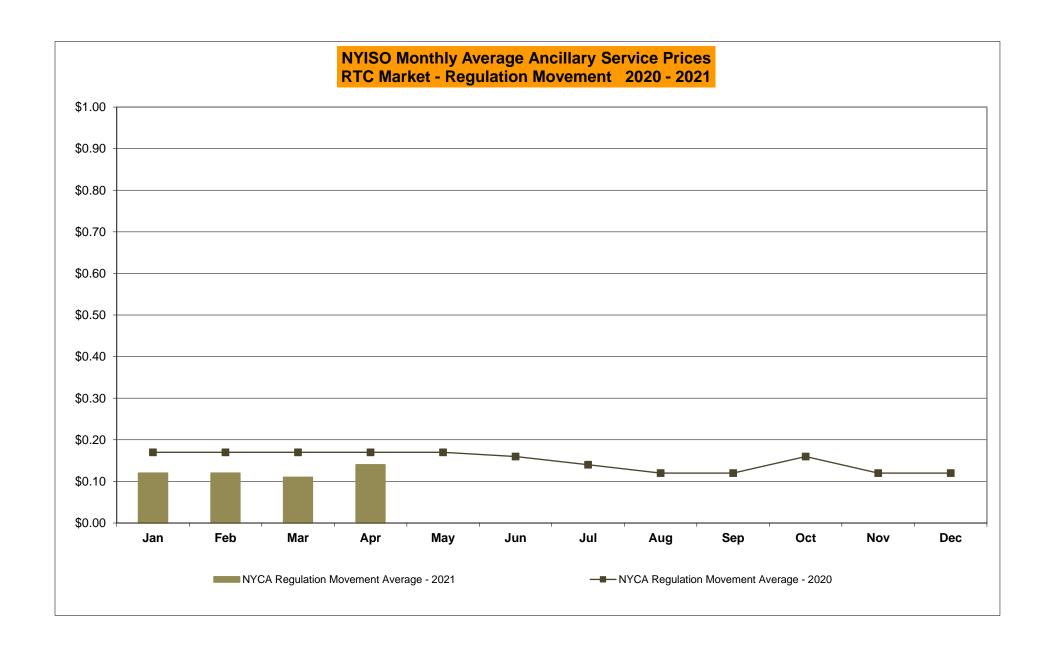


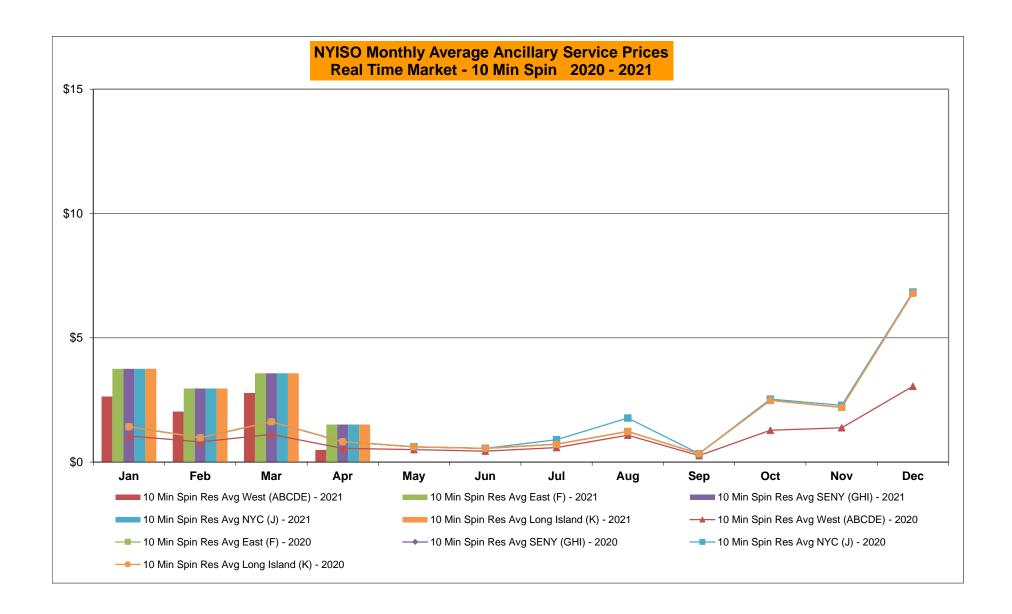


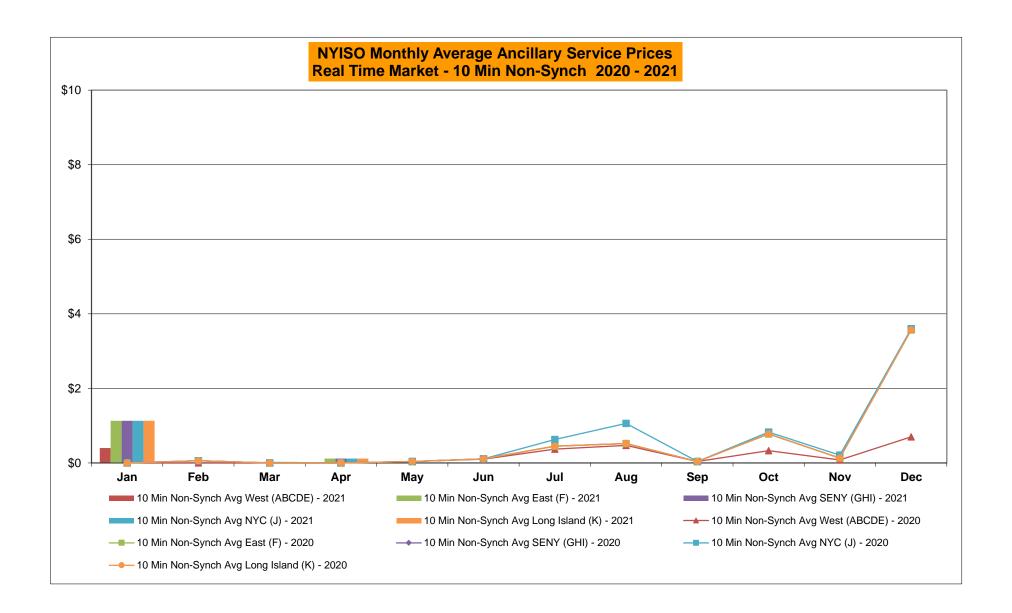


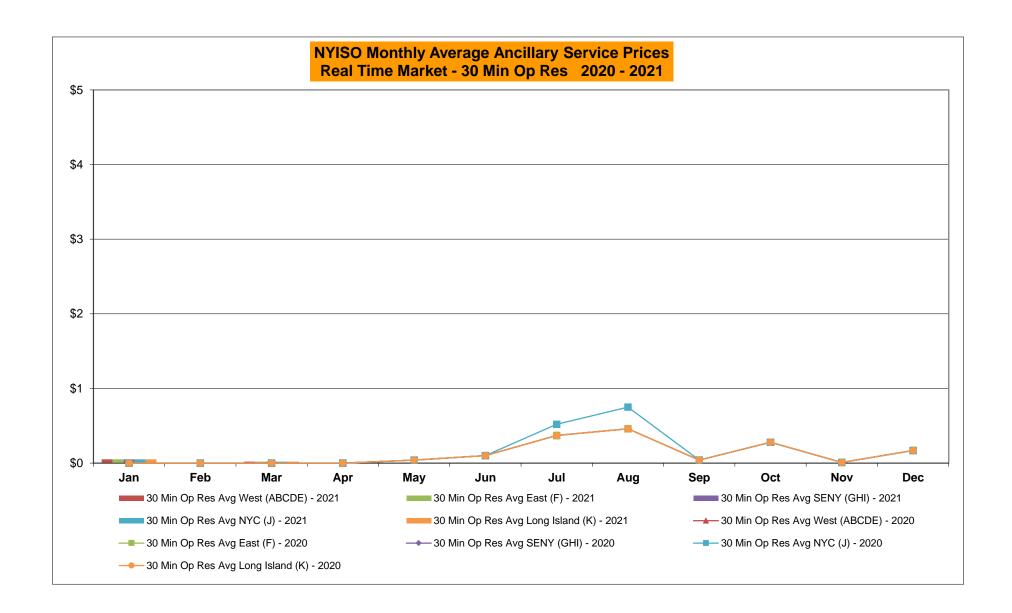


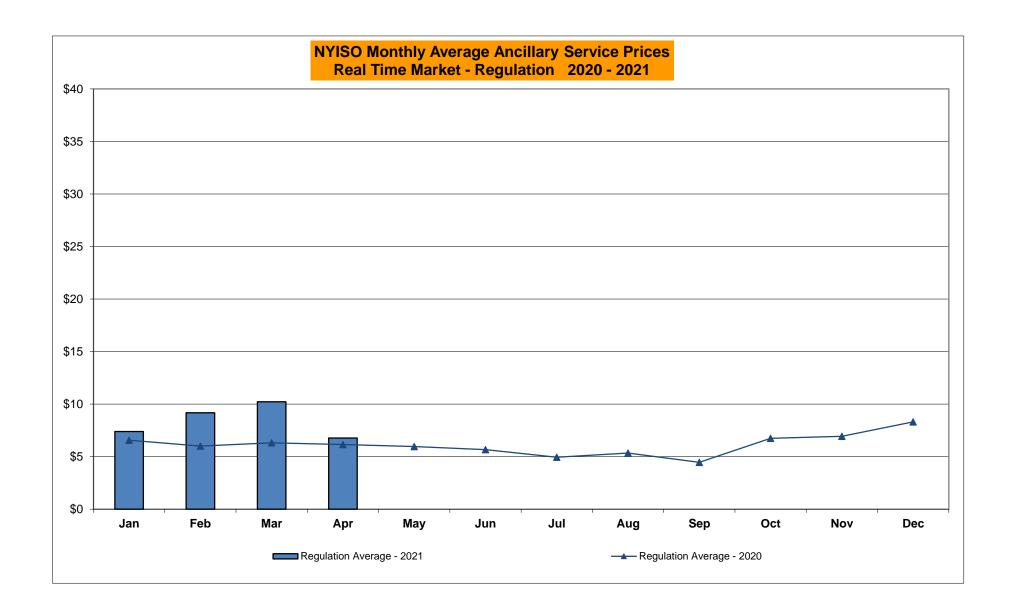


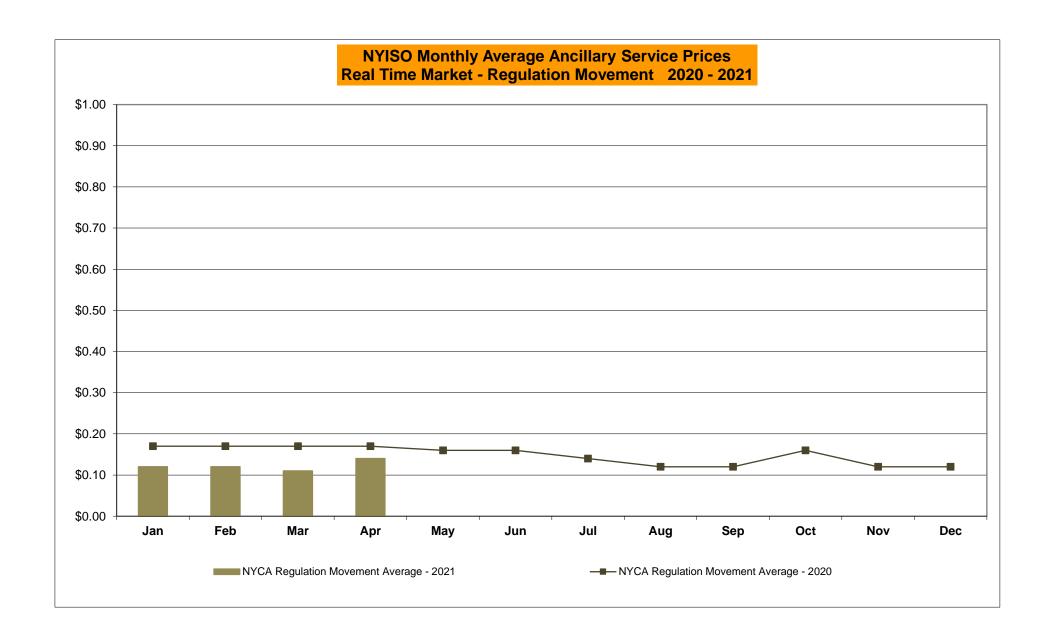












NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - DAM

2021	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
<u>Day Ahead Market</u> 10 Min Spin Long Island (K)	4.61	7.85	4.46	3.80								
10 Min Spin Long Island (K) 10 Min Spin NYC (J)	4.68	8.01	4.46	3.81								
10 Min Spin SENY (GHI)	4.61	7.85	4.46	3.80								
10 Min Spin East (F)	4.61	7.85	4.46	3.80								
10 Min Spin Last (1) 10 Min Spin West (ABCDE)	4.01	6.68	4.07	3.56								
10 Min Non Synch Long Island (K)	3.32	5.58	3.60	3.25								
10 Min Non Synch NYC (J)	3.40	5.74	3.60	3.26								
10 Min Non Synch SENY (GHI)	3.32	5.58	3.60	3.25								
10 Min Non Synch East (F)	3.32	5.58	3.60	3.25								
10 Min Non Synch West (ABCDE)	3.22	5.25	3.57	3.19								
30 Min Long Island (K)	3.22	5.25	3.57	3.19								
30 Min NYC (J)	3.23	5.25	3.57	3.19								
30 Min SENY (GHI)	3.22	5.25	3.57	3.19								
30 Min East (F)	3.22	5.25	3.57	3.19								
30 Min West (ABCDE)	3.22	5.25	3.57	3.19								
Regulation	6.40	10.93	7.21	6.72								
<u>2020</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	<u>January</u>					<u>June</u>		_				
<u>Day Ahead Market</u> 10 Min Spin Long Island (K)	3.60	3.23	3.55	3.27	3.48	3.59	3.59	3.63	3.63	4.96	4.46	5.27
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J)	3.60 3.60	3.23 3.23	3.55 3.55	3.27 3.27	3.48 3.48	3.59 3.64	3.59 4.00	3.63 3.74	3.63 3.63	4.96 4.96	4.46 4.48	5.27 5.30
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	3.60 3.60 3.60	3.23 3.23 3.23	3.55 3.55 3.55	3.27 3.27 3.27	3.48 3.48 3.48	3.59 3.64 3.59	3.59 4.00 3.59	3.63 3.74 3.63	3.63 3.63 3.63	4.96 4.96 4.96	4.46 4.48 4.46	5.27 5.30 5.27
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	3.60 3.60 3.60 3.60	3.23 3.23 3.23 3.23	3.55 3.55 3.55 3.55	3.27 3.27 3.27 3.27	3.48 3.48 3.48 3.48	3.59 3.64 3.59 3.59	3.59 4.00 3.59 3.59	3.63 3.74 3.63 3.63	3.63 3.63 3.63 3.63	4.96 4.96 4.96 4.96	4.46 4.48 4.46 4.46	5.27 5.30 5.27 5.27
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)	3.60 3.60 3.60 3.60 3.57	3.23 3.23 3.23 3.23 3.22	3.55 3.55 3.55 3.55 3.43	3.27 3.27 3.27 3.27 3.25	3.48 3.48 3.48 3.48 3.39	3.59 3.64 3.59 3.59 3.51	3.59 4.00 3.59 3.59 3.55	3.63 3.74 3.63 3.63 3.59	3.63 3.63 3.63 3.63 3.58	4.96 4.96 4.96 4.96 4.21	4.46 4.48 4.46 4.46 3.81	5.27 5.30 5.27 5.27 4.25
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)	3.60 3.60 3.60 3.57 3.28	3.23 3.23 3.23 3.23 3.22 3.08	3.55 3.55 3.55 3.55 3.43 2.95	3.27 3.27 3.27 3.27 3.25 2.95	3.48 3.48 3.48 3.48 3.39 2.94	3.59 3.64 3.59 3.59 3.51 3.11	3.59 4.00 3.59 3.59 3.55 3.21	3.63 3.74 3.63 3.63 3.59 3.06	3.63 3.63 3.63 3.58 2.66	4.96 4.96 4.96 4.96 4.21 3.66	4.46 4.48 4.46 4.46 3.81 3.23	5.27 5.30 5.27 5.27 4.25 3.67
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)	3.60 3.60 3.60 3.57 3.28 3.28	3.23 3.23 3.23 3.23 3.22 3.08 3.08	3.55 3.55 3.55 3.55 3.43 2.95 2.95	3.27 3.27 3.27 3.27 3.25 2.95 2.95	3.48 3.48 3.48 3.48 3.39 2.94 2.94	3.59 3.64 3.59 3.59 3.51 3.11 3.17	3.59 4.00 3.59 3.59 3.55 3.21 3.61	3.63 3.74 3.63 3.63 3.59 3.06 3.17	3.63 3.63 3.63 3.58 2.66 2.66	4.96 4.96 4.96 4.21 3.66 3.66	4.46 4.48 4.46 4.46 3.81 3.23 3.25	5.27 5.30 5.27 5.27 4.25 3.67 3.71
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)	3.60 3.60 3.60 3.57 3.28 3.28 3.28	3.23 3.23 3.23 3.23 3.22 3.08 3.08 3.08	3.55 3.55 3.55 3.55 3.43 2.95 2.95 2.95	3.27 3.27 3.27 3.27 3.25 2.95 2.95 2.95	3.48 3.48 3.48 3.39 2.94 2.94 2.94	3.59 3.64 3.59 3.59 3.51 3.11 3.17 3.11	3.59 4.00 3.59 3.59 3.55 3.21 3.61 3.21	3.63 3.74 3.63 3.63 3.59 3.06 3.17 3.06	3.63 3.63 3.63 3.58 2.66 2.66	4.96 4.96 4.96 4.21 3.66 3.66 3.66	4.46 4.48 4.46 4.46 3.81 3.23 3.25 3.25	5.27 5.30 5.27 5.27 4.25 3.67 3.71 3.67
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)	3.60 3.60 3.60 3.57 3.28 3.28 3.28 3.28	3.23 3.23 3.23 3.23 3.22 3.08 3.08 3.08 3.08	3.55 3.55 3.55 3.55 3.43 2.95 2.95 2.95	3.27 3.27 3.27 3.27 3.25 2.95 2.95 2.95 2.95	3.48 3.48 3.48 3.48 3.39 2.94 2.94 2.94	3.59 3.64 3.59 3.59 3.51 3.11 3.17 3.11	3.59 4.00 3.59 3.59 3.55 3.21 3.61 3.21 3.21	3.63 3.74 3.63 3.63 3.59 3.06 3.17 3.06 3.06	3.63 3.63 3.63 3.58 2.66 2.66 2.66 2.66	4.96 4.96 4.96 4.21 3.66 3.66 3.66 3.66	4.46 4.48 4.46 4.46 3.81 3.23 3.25 3.23 3.23	5.27 5.30 5.27 5.27 4.25 3.67 3.71 3.67 3.67
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)	3.60 3.60 3.60 3.57 3.28 3.28 3.28 3.28 3.28	3.23 3.23 3.23 3.23 3.22 3.08 3.08 3.08 3.08 3.08	3.55 3.55 3.55 3.55 3.43 2.95 2.95 2.95 2.95	3.27 3.27 3.27 3.27 3.25 2.95 2.95 2.95 2.95 2.95	3.48 3.48 3.48 3.39 2.94 2.94 2.94 2.94 2.94 2.93	3.59 3.64 3.59 3.59 3.51 3.11 3.17 3.11 3.11	3.59 4.00 3.59 3.55 3.21 3.61 3.21 3.21 3.18	3.63 3.74 3.63 3.63 3.59 3.06 3.17 3.06 3.06 3.04	3.63 3.63 3.63 3.58 2.66 2.66 2.66 2.66 2.66	4.96 4.96 4.96 4.21 3.66 3.66 3.66 3.43	4.46 4.48 4.46 4.46 3.81 3.23 3.25 3.23 3.23 2.95	5.27 5.30 5.27 5.27 4.25 3.67 3.71 3.67 3.67 3.55
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)	3.60 3.60 3.60 3.57 3.28 3.28 3.28 3.28 3.28 3.28	3.23 3.23 3.23 3.22 3.08 3.08 3.08 3.08 3.08 3.08	3.55 3.55 3.55 3.43 2.95 2.95 2.95 2.95 2.95 2.95	3.27 3.27 3.27 3.27 3.25 2.95 2.95 2.95 2.95 2.94 2.94	3.48 3.48 3.48 3.39 2.94 2.94 2.94 2.94 2.93 2.93	3.59 3.64 3.59 3.51 3.11 3.17 3.11 3.11 3.10 3.10	3.59 4.00 3.59 3.59 3.55 3.21 3.61 3.21 3.21 3.18 3.18	3.63 3.74 3.63 3.63 3.59 3.06 3.17 3.06 3.06 3.04 3.04	3.63 3.63 3.63 3.58 2.66 2.66 2.66 2.66 2.63 2.63	4.96 4.96 4.96 4.21 3.66 3.66 3.66 3.43 3.42	4.46 4.48 4.46 4.46 3.81 3.23 3.25 3.23 2.95 2.95	5.27 5.30 5.27 5.27 4.25 3.67 3.71 3.67 3.55 3.55
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)	3.60 3.60 3.60 3.57 3.28 3.28 3.28 3.28 3.28 3.28 3.28	3.23 3.23 3.23 3.23 3.22 3.08 3.08 3.08 3.08 3.08 3.08 3.08	3.55 3.55 3.55 3.55 3.43 2.95 2.95 2.95 2.95 2.95 2.95 2.95	3.27 3.27 3.27 3.27 3.25 2.95 2.95 2.95 2.95 2.94 2.94 2.94	3.48 3.48 3.48 3.39 2.94 2.94 2.94 2.94 2.93 2.93 2.93	3.59 3.64 3.59 3.59 3.51 3.11 3.17 3.11 3.10 3.10 3.10	3.59 4.00 3.59 3.59 3.55 3.21 3.61 3.21 3.21 3.18 3.18 3.31	3.63 3.74 3.63 3.63 3.59 3.06 3.17 3.06 3.04 3.04 3.04 3.05	3.63 3.63 3.63 3.58 2.66 2.66 2.66 2.66 2.63 2.63	4.96 4.96 4.96 4.21 3.66 3.66 3.66 3.43 3.42 3.42	4.46 4.48 4.46 4.46 3.81 3.23 3.25 3.23 2.95 2.95 2.95 2.97	5.27 5.30 5.27 5.27 4.25 3.67 3.71 3.67 3.57 3.55 3.55
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)	3.60 3.60 3.60 3.57 3.28 3.28 3.28 3.28 3.28 3.28 3.28 3.28	3.23 3.23 3.23 3.23 3.22 3.08 3.08 3.08 3.08 3.08 3.08 3.08 3.08	3.55 3.55 3.55 3.55 3.43 2.95 2.95 2.95 2.95 2.95 2.95 2.95 2.95	3.27 3.27 3.27 3.27 3.25 2.95 2.95 2.95 2.95 2.94 2.94 2.94 2.94	3.48 3.48 3.48 3.39 2.94 2.94 2.94 2.94 2.93 2.93 2.93 2.93	3.59 3.64 3.59 3.59 3.51 3.11 3.17 3.11 3.10 3.10 3.10 3.10	3.59 4.00 3.59 3.59 3.55 3.21 3.61 3.21 3.21 3.18 3.18 3.31 3.18	3.63 3.74 3.63 3.63 3.59 3.06 3.17 3.06 3.04 3.04 3.04 3.05 3.04	3.63 3.63 3.63 3.58 2.66 2.66 2.66 2.66 2.63 2.63 2.63 2.63	4.96 4.96 4.96 4.96 4.21 3.66 3.66 3.66 3.43 3.42 3.42 3.42	4.46 4.48 4.46 4.46 3.81 3.23 3.25 3.23 2.95 2.95 2.97 2.95	5.27 5.30 5.27 5.27 4.25 3.67 3.71 3.67 3.57 3.55 3.55 3.55
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)	3.60 3.60 3.60 3.57 3.28 3.28 3.28 3.28 3.28 3.28 3.28 3.28	3.23 3.23 3.23 3.22 3.08 3.08 3.08 3.08 3.08 3.08 3.08 3.08	3.55 3.55 3.55 3.55 3.43 2.95 2.95 2.95 2.95 2.95 2.95 2.95 2.95	3.27 3.27 3.27 3.27 3.25 2.95 2.95 2.95 2.95 2.94 2.94 2.94 2.94 2.94	3.48 3.48 3.48 3.39 2.94 2.94 2.94 2.94 2.93 2.93 2.93 2.93 2.93	3.59 3.64 3.59 3.59 3.51 3.11 3.17 3.11 3.10 3.10 3.10 3.10 3.10	3.59 4.00 3.59 3.59 3.55 3.21 3.61 3.21 3.18 3.18 3.18 3.18 3.18	3.63 3.74 3.63 3.63 3.59 3.06 3.17 3.06 3.04 3.04 3.04 3.04 3.04 3.04	3.63 3.63 3.63 3.58 2.66 2.66 2.66 2.63 2.63 2.63 2.63 2.63	4.96 4.96 4.96 4.21 3.66 3.66 3.66 3.43 3.42 3.42 3.42 3.42	4.46 4.48 4.46 4.46 3.81 3.23 3.25 3.23 2.95 2.95 2.97 2.95 2.95	5.27 5.30 5.27 5.27 4.25 3.67 3.67 3.67 3.55 3.55 3.55 3.55
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)	3.60 3.60 3.60 3.57 3.28 3.28 3.28 3.28 3.28 3.28 3.28 3.28	3.23 3.23 3.23 3.23 3.22 3.08 3.08 3.08 3.08 3.08 3.08 3.08 3.08	3.55 3.55 3.55 3.55 3.43 2.95 2.95 2.95 2.95 2.95 2.95 2.95 2.95	3.27 3.27 3.27 3.27 3.25 2.95 2.95 2.95 2.95 2.94 2.94 2.94 2.94	3.48 3.48 3.48 3.39 2.94 2.94 2.94 2.94 2.93 2.93 2.93 2.93	3.59 3.64 3.59 3.59 3.51 3.11 3.17 3.11 3.10 3.10 3.10 3.10	3.59 4.00 3.59 3.59 3.55 3.21 3.61 3.21 3.21 3.18 3.18 3.31 3.18	3.63 3.74 3.63 3.63 3.59 3.06 3.17 3.06 3.04 3.04 3.04 3.05 3.04	3.63 3.63 3.63 3.58 2.66 2.66 2.66 2.66 2.63 2.63 2.63 2.63	4.96 4.96 4.96 4.96 4.21 3.66 3.66 3.66 3.43 3.42 3.42 3.42	4.46 4.48 4.46 4.46 3.81 3.23 3.25 3.23 2.95 2.95 2.97 2.95	5.27 5.30 5.27 5.27 4.25 3.67 3.71 3.67 3.57 3.55 3.55 3.55

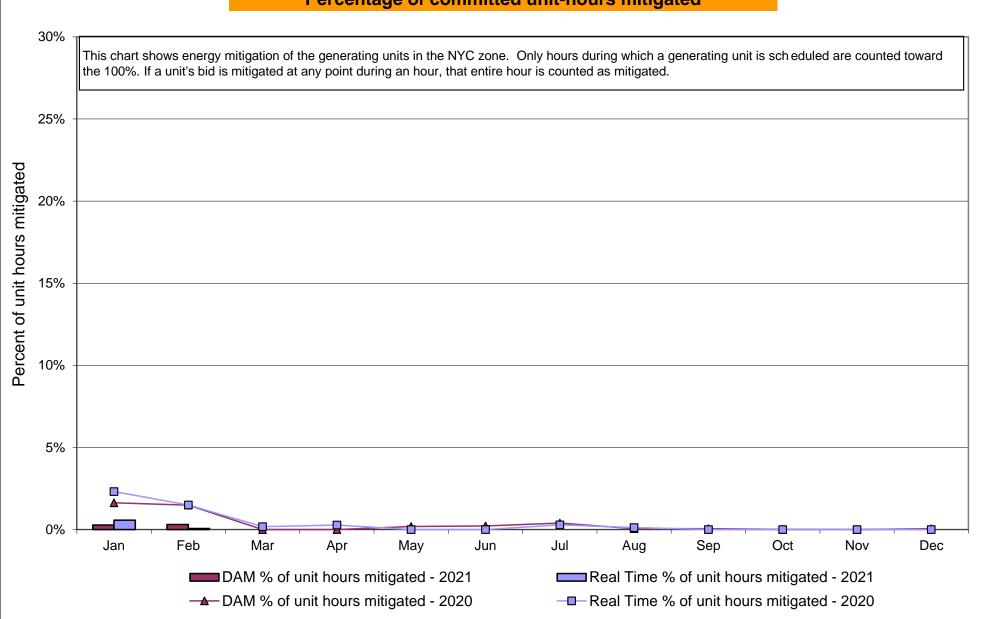
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RTC

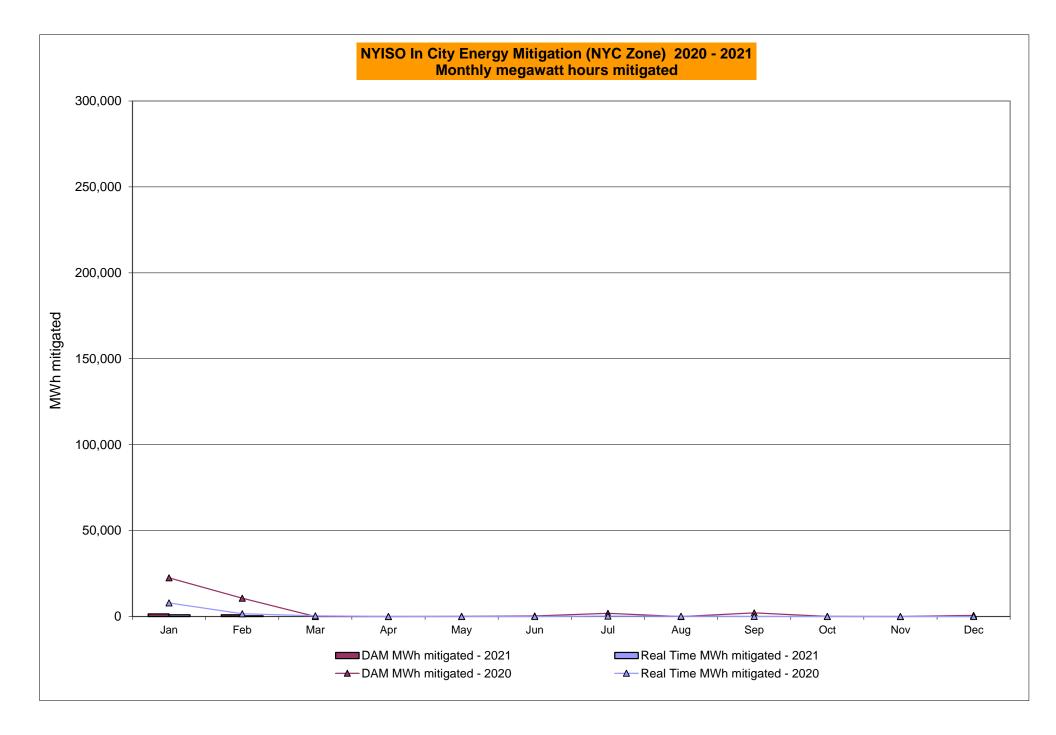
•						**		<u> </u>	•			
<u>2021</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
RTC Market												
10 Min Spin Long Island (K)	1.65	1.53	1.29	0.58								
10 Min Spin NYC (J)	1.65	1.53	1.29	0.58								
10 Min Spin SENY (GHI)	1.65	1.53	1.29	0.58								
10 Min Spin East (F)	1.65	1.53	1.29	0.58								
10 Min Spin West (ABCDE)	1.16	0.93	0.88	0.22								
10 Min Non Synch Long Island (K)	0.49	0.00	0.02	0.00								
10 Min Non Synch NYC (J)	0.49	0.00	0.02	0.00								
10 Min Non Synch SENY (GHI)	0.49	0.00	0.02	0.00								
10 Min Non Synch East (F)	0.49	0.00	0.02	0.00								
10 Min Non Synch West (ABCDE)	0.26	0.00	0.01	0.00								
30 Min Long Island (K)	0.10	0.00	0.01	0.00								
30 Min NYC (J)	0.10	0.00	0.01	0.00								
30 Min SENY (GHI)	0.10	0.00	0.01	0.00								
30 Min East (F)	0.10	0.00	0.01	0.00								
30 Min West (ABCDE)	0.10	0.00	0.01	0.00								
Regulation	6.46	8.02	9.88	6.54								
NYCA Regulation Movement	0.12	0.12	0.11	0.14								
<u>2020</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>
RTC Market												
10 Min Spin Long Island (K)	0.78	1.42	0.88	0.32	0.25	0.31	0.70	1.11	0.20	2.69	1.41	5.40
10 Min Spin NYC (J)	0.78	1.46	0.88	0.32	0.26	0.31	0.96	1.60	0.20	2.82	1.50	5.42
10 Min Spin SENY (GHI)	0.78	1.42	0.88	0.32	0.25	0.31	0.70	1.11	0.20	2.69	1.41	5.40
10 Min Spin East (F)	0.78	1.42	0.88	0.32	0.25	0.31	0.70	1.11	0.20	2.69	1.41	5.40
10 Min Spin West (ABCDE)	0.54	0.72	0.46	0.11	0.15	0.17	0.44	0.86	0.16	1.09	0.70	2.29
10 Min Non Synch Long Island (K)	0.00	0.91	0.00	0.00	0.03	0.05	0.48	0.66	0.03	0.73	0.03	3.17
10 Min Non Synch NYC (J)	0.00	0.95	0.00	0.00	0.04	0.06	0.73	1.16	0.03	0.86	0.11	3.19
10 Min Non Synch SENY (GHI)	0.00	0.91	0.00	0.00	0.03	0.05	0.48	0.66	0.03	0.73	0.03	3.17
10 Min Non Synch East (F)	0.00	0.91	0.00	0.00	0.03	0.05	0.48	0.66	0.03	0.73	0.03	3.17
10 Min Non Synch West (ABCDE)	0.00	0.28	0.00	0.00	0.03	0.05	0.37	0.61	0.03	0.38	0.01	0.76
30 Min Long Island (K)	0.00	0.01	0.00	0.00	0.03	0.05	0.37	0.61	0.03	0.38	0.01	0.27
30 Min NYC (J)	0.00	0.01	0.00	0.00	0.03	0.05	0.57	0.91	0.03	0.38	0.01	0.27
30 Min SENY (GHI)	0.00	0.01	0.00	0.00	0.03	0.05	0.37	0.61	0.03	0.38	0.01	0.27
30 Min East (F)	0.00	0.01	0.00	0.00	0.03	0.05	0.37	0.61	0.03	0.38	0.01	0.27
30 Min West (ABCDE)	0.00	0.01	0.00	0.00	0.03	0.05	0.37	0.61	0.03	0.38	0.01	0.27
Regulation	6.11	5.77	6.25	6.56	5.02	5.56	4.92	5.20	4.37	7.57	7.09	7.96
NYCA Regulation Movement	0.17	0.17	0.17	0.17	0.17	0.16		0.12	0.12	0.16	0.12	0.12

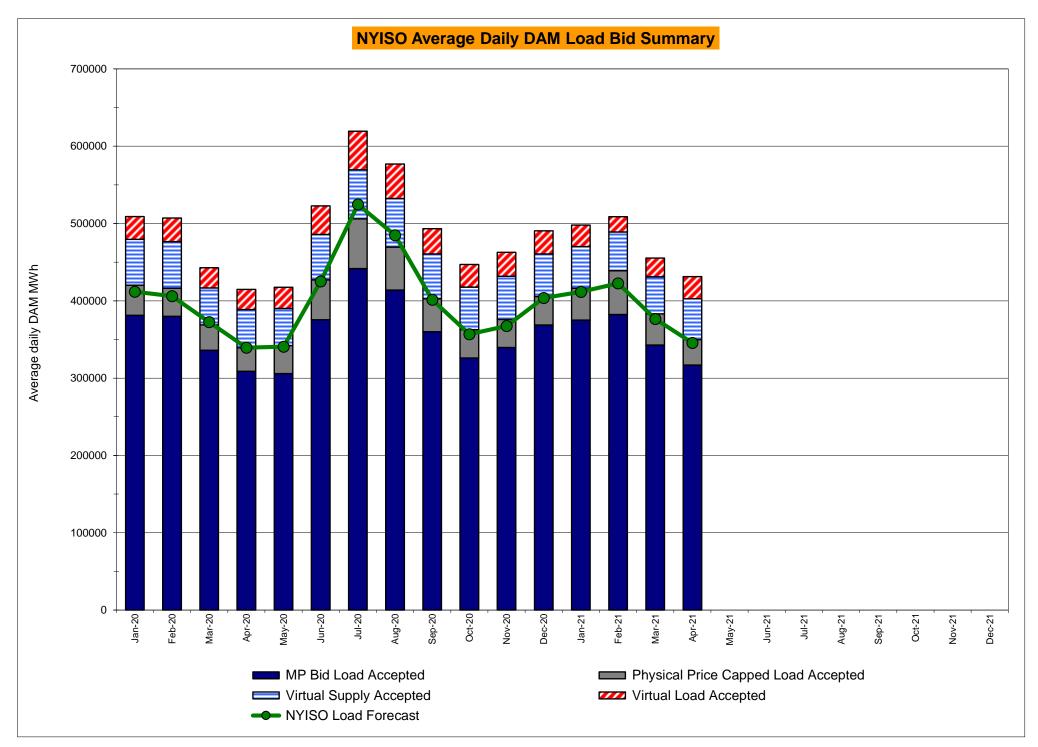
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RT

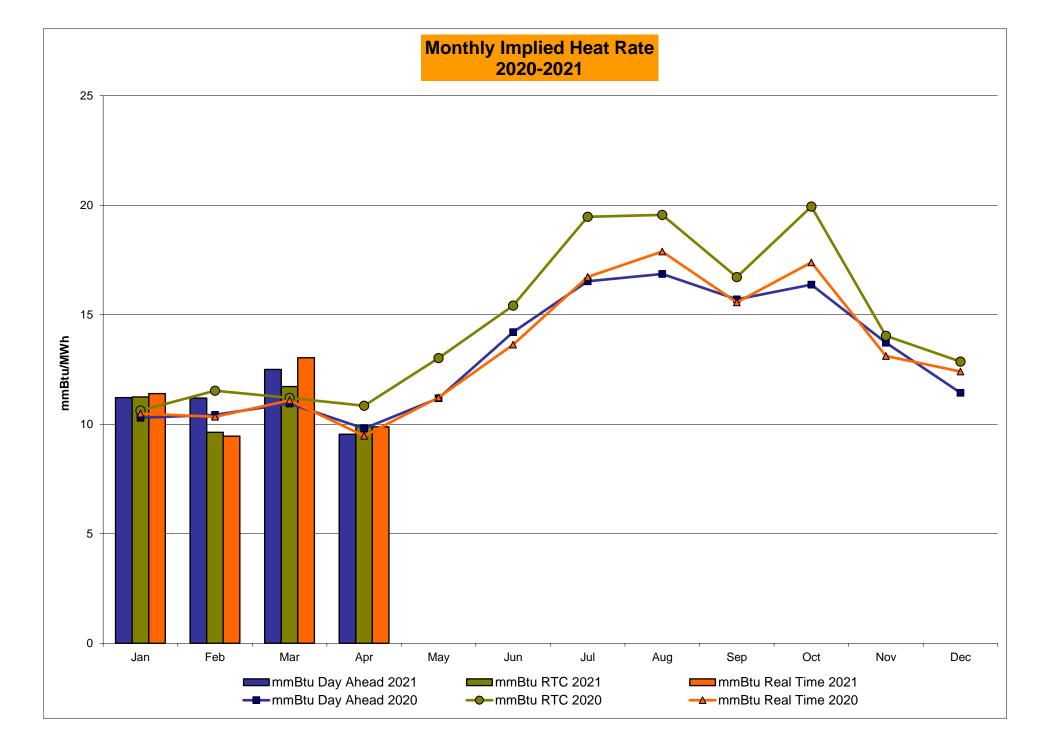
<u>2021</u>	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
Real Time Market												
10 Min Spin Long Island (K)	3.75	2.96	3.57	1.51								
10 Min Spin NYC (J)	3.75	2.96	3.57	1.51								
10 Min Spin SENY (GHI)	3.75	2.96	3.57	1.51								
10 Min Spin East (F)	3.75	2.96	3.57	1.51								
10 Min Spin West (ABCDE)	2.64	2.03	2.78	0.49								
10 Min Non Synch Long Island (K)	1.13	0.02	0.03	0.12								
10 Min Non Synch NYC (J)	1.13	0.02	0.03	0.12								
10 Min Non Synch SENY (GHI)	1.13	0.02	0.03	0.12								
10 Min Non Synch East (F)	1.13	0.02	0.03	0.12								
10 Min Non Synch West (ABCDE)	0.40	0.00	0.02	0.00								
30 Min Long Island (K)	0.05	0.00	0.02	0.00								
30 Min NYC (J)	0.05	0.00	0.02	0.00								
30 Min SENY (GHI)	0.05	0.00	0.02	0.00								
30 Min East (F)	0.05	0.00	0.02	0.00								
30 Min West (ABCDE)	0.05	0.00	0.02	0.00								
Regulation	7.39	9.17	10.23	6.78								
NYCA Regulation Movement	0.12	0.12	0.11	0.14								
-												
<u>2020</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>
Real Time Market												
10 Min Spin Long Island (K)	1.42	0.98	1.62	0.82	0.61	0.55	0.72	1.23	0.34	2.48	2.20	6.80
10 Min Spin NYC (J)	1.42	0.98	1.62	0.82	0.63	0.56	0.90	1.77	0.34	2.53	2.28	6.84
10 Min Spin SENY (GHI)	1.42	0.98	1.62	0.82	0.61	0.55	0.72	1.23	0.34	2.48	2.20	6.80
10 Min Spin East (F)	1.42	0.98	1.62	0.82	0.61	0.55	0.72	1.23	0.34	2.48	2.20	6.80
10 Min Spin West (ABCDE)	1.05	0.81	1.11	0.55	0.50	0.44	0.58	1.08	0.26	1.28	1.38	3.05
10 Min Non Synch Long Island (K)	0.00	0.06	0.00	0.00	0.04	0.11	0.45	0.52	0.04	0.78	0.13	3.57
10 Min Non Synch NYC (J)	0.00	0.06	0.00	0.00	0.07	0.12	0.63	1.06	0.04	0.83	0.21	3.60
10 Min Non Synch SENY (GHI)	0.00	0.06	0.00	0.00	0.04	0.11	0.45	0.52	0.04	0.78	0.13	3.57
10 Min Non Synch East (F)	0.00	0.06	0.00	0.00	0.04	0.11	0.45	0.52	0.04	0.78	0.13	3.57
10 Min Non Synch West (ABCDE)	0.00	0.00	0.00	0.00	0.04	0.10	0.37	0.47	0.04	0.33	0.08	0.70
30 Min Long Island (K)	0.00	0.00	0.00	0.00	0.04	0.10	0.37	0.46	0.04	0.28	0.01	0.17
30 Min NYC (J)	0.00	0.00	0.00	0.00	0.04	0.10	0.52	0.75	0.04	0.28	0.01	0.17
30 Min SENY (GHI)	0.00	0.00	0.00	0.00	0.04	0.10	0.37	0.46	0.04	0.28	0.01	0.17
30 Min East (F)	0.00	0.00	0.00	0.00	0.04	0.10	0.37	0.46	0.04	0.28	0.01	0.17
30 Min West (ABCDE)	0.00	0.00	0.00	0.00	0.04	0.10	0.37	0.46	0.04	0.28	0.01	0.17
Regulation	6.57	6.00	6.32	6.16	5.96	5.67	4.94	5.34	4.46	6.75	6.93	8.31
NYCA Regulation Movement	0.17	0.17	0.17	0.17	0.16	0.16	0.14	0.12	0.12	0.16	0.12	0.12

NYISO In City Energy Mitigation - AMP (NYC Zone) 2020 - 2021 Percentage of committed unit-hours mitigated

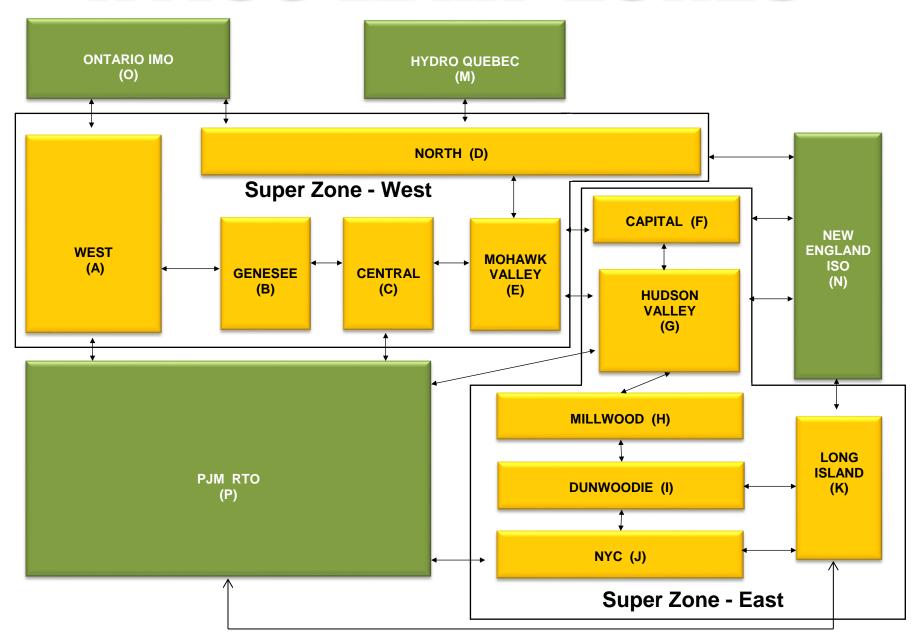








NYISO LBMP ZONES



Market Mitigation and Analysis Prepared: 5/19/2021 7:48 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

Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policymakers, stakeholders and investors in the power system



