

Market Operations Report

Rana Mukerji

SENIOR VICE PRESIDENT - MARKET STRUCTURES, NYISO

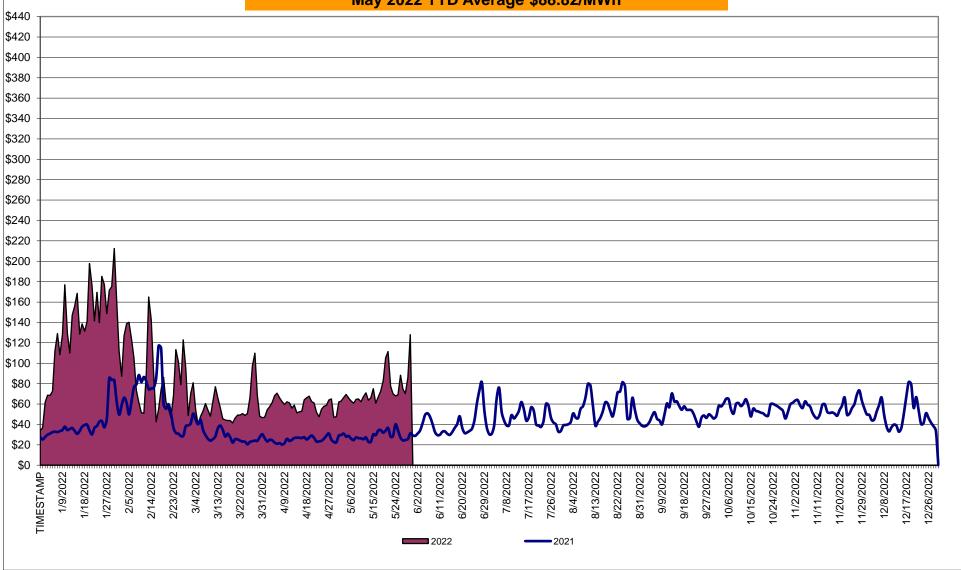
Business Issues Committee Meeting

June 22, 2022 Rensselaer, NY

Market Performance Highlights May 2022

- LBMP for May is \$70.60/MWh; higher than \$56.46/MWh in April 2022 and \$25.72/MWh in May 2021.
 - Day Ahead Load Weighted LBMPs and Real Time Load Weighted LBMPs are higher compared to April.
- May 2022 average year-to-date monthly cost of \$88.82/MWh is a 122% increase from \$40.10/MWh in May 2021.
- Average daily sendout is 372 GWh/day in May; higher than 359 GWh/day in April 2022 and 365 GWh/day in May 2021.
- Natural gas prices and distillate prices are higher compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$7.39/MMBtu, up from \$6.13/MMBtu in April.
 - Natural gas prices (Transco Z6 NY) are up 212.0% year-over-year.
 - Jet Kerosene Gulf Coast was \$29.17/MMBtu, up from \$28.51/MMBtu in April.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$32.97/MMBtu, up from \$28.26/MMBtu in April.
 - Distillate prices are up 127.5% year-over-year.
- Uplift per MWh is higher compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.05)/MWh; higher than (\$0.36)/MWh in April.
 - Local Reliability Share is \$0.60/MWh, higher than \$0.43/MWh in April.
 - Statewide Share is (\$0.65)/MWh, higher than (\$0.79)/MWh in April.
 - TSA \$ per NYC MWh is \$0.11/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than April.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)* 2021 Annual Average \$47.59/MWh May 2021 YTD Average \$40.10/MWh May 2022 YTD Average \$88.82/MWh

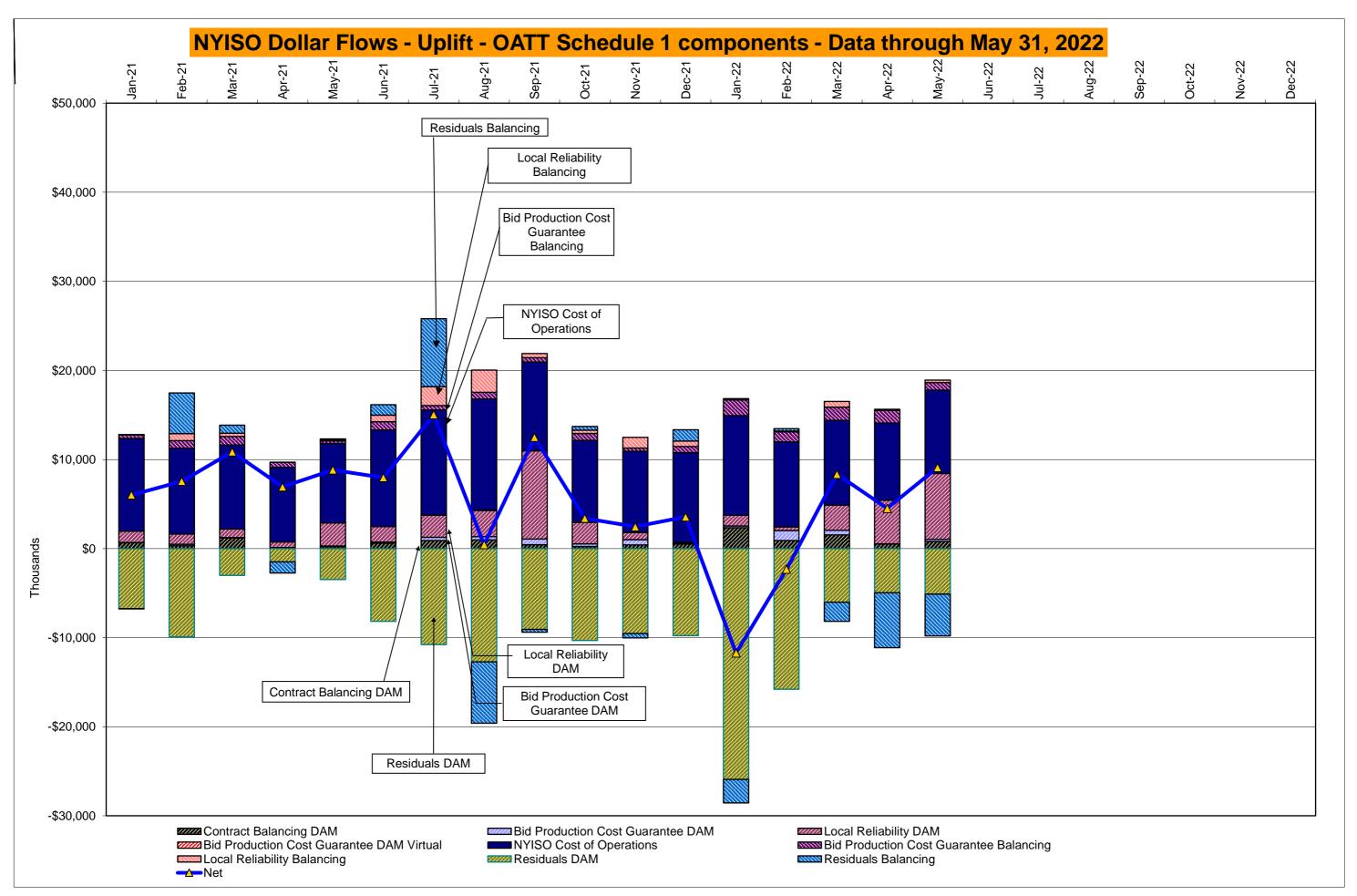


^{*} Excludes ICAP payments.

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

2022	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
LBMP	134.79	94.06	56.78	56.46	70.60							
NTAC	1.43	0.95	1.48	1.17	2.46							
Reserve	1.26 0.27	1.21	0.83 0.17	0.81 0.12	0.74 0.13							
Regulation		0.19	0.17									
NYISO Cost of Operations	0.73	0.72		0.74	0.74							
FERC Fee Recovery	0.07	0.08	0.09	0.10	0.09							
Uplift	(1.50)	(1.73)	(0.09)	(0.36)	(0.05)							
Uplift: Local Reliability Share	0.09	0.04	0.27	0.43	0.60							
Uplift: Statewide Share	(1.59)	(1.77)	(0.36)	(0.79)	(0.65)							
Voltage Support and Black Start	0.42	0.41	0.43	0.43	0.43							
Avg Monthly Cost	137.41	95.82	60.34	59.38	75.07							
Avg YTD Cost	137.49	118.36	100.65	91.92	88.82							
3												
TSA \$ per NYC MWh	0.00	2.98	0.00	0.00	0.11							
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>	<u>September</u>	<u>October</u>	November	<u>December</u>
LBMP	37.83	63.70	28.59	22.79	25.72	39.37	45.16	55.48	47.68	52.97	53.92	47.99
NTAC	1.35	1.20	1.26	1.54	2.09	2.05	2.01	1.37	1.23	1.67	2.03	1.40
Reserve	0.49	0.81	0.57	0.56	0.54	0.45	0.44	0.44	0.50	0.75	0.70	0.57
Regulation	0.07	0.13	0.09	0.10	0.08	0.43	0.06	0.05	0.09	0.13	0.15	0.11
NYISO Cost of Operations	0.74	0.74	0.74	0.74	0.76	0.76	0.76	0.76	0.75	0.74	0.75	0.73
FERC Fee Recovery	0.08	0.09	0.09	0.11	0.10	0.08	0.07	0.06	0.08	0.09	0.09	0.08
Uplift	(0.31)	(0.15)	0.11	(0.12)	(0.19)	(0.50)	(0.09)	(0.81)	0.00	(0.59)	(0.58)	(0.48)
Uplift: Local Reliability Share	0.09	0.15	0.11	0.06	0.22	0.17	0.30	0.33	0.78	0.23	0.16	0.05
Uplift: Statewide Share	(0.40)	(0.30)	0.00	(0.18)	(0.41)	(0.68)	(0.39)	(1.14)	(0.78)	(0.81)	(0.74)	(0.53)
Voltage Support and Black Start	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.43	0.44	0.42
Avg Monthly Cost	40.61	66.87	31.81	26.06	29.45	42.65	48.79	57.73	50.70	56.11	57.43	50.76
Avg monthly 300t	40.01	00.07	01.01	20.00	20.40	72.00	40.70	01.10	00.70	00.11	07.40	00.70
Avg YTD Cost	40.69	52.99	46.57	42.41	40.10	40.59	42.05	44.63	45.34	46.35	47.29	47.59
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.52	0.90	0.93	0.24	0.56	0.39	0.10	0.00

^{*} Excludes ICAP payments. Market Mitigation and Analysis Prepared: 6/9/2022 10:20 AM



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

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

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

NYISO Markets Transactions

<u>April</u>

56%

<u>May</u>

55%

<u>June</u>

<u>July</u>

August September

<u>March</u>

59%

14,327,101 12,477,485 12,137,757 10,992,578 12,176,102

<u>February</u>

56%

<u>January</u>

57%

Drivi Loc internal Lowin Energy Gales	31 70	30 70	3370	3070	33 70							
DAM External TC LBMP Energy Sales	7%	8%	3%	5%	6%							
DAM Bilateral - Internal Bilaterals	28%	28%	29%	31%	31%							
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	4%	4%	4%	5%	4%							
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%							
DAM Bilateral - Wheel Through Bilaterals	2%	2%	2%	2%	2%							
Balancing Energy Market MWh	942,823	742,449	758,386	772,666	378,503							
Balancing Energy LSE Internal LBMP Energy Sales	88%	83%	76%	60%	65%							
Balancing Energy External TC LBMP Energy Sales	16%	19%	24%	33%	32%							
Balancing Energy Bilateral - Internal Bilaterals	1%	2%	2%	0%	5%							
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	2%							
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	4%	9%	8%	7%	9%							
Balancing Energy Bilateral - Wheel Through Bilaterals	-9%		-10%	-1%	-12%							
Transactions Summary												
LBMP	67%	66%	65%	62%	63%							
Internal Bilaterals	26%	27%	27%	29%	30%							
Import Bilaterals	3%	4%	4%	4%	4%							
Export Bilaterals	2%	2%	2%	2%	2%							
Wheels Through	1%	1%	2%	2%	2%							
Market Share of Total Load	170	170	270	270	270							
Day Ahead Market	93.8%	94.4%	94.1%	93.4%	97.0%							
Balancing Energy +	6.2%	5.6%	5.9%	6.6%	3.0%							
Total MWH												
	15,269,924 451	429	12,896,143 390	11,765,244 359	12,554,605 372							
Average Daily Energy Sendout/Month GWh	4 51	429	390	309	312							
2021	January	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	<u>December</u>
Day Ahead Market MWh	14,108,848		12,843,278	11,204,262	11,854,214		 -	16,032,238	12,759,550	11,852,213	11,496,431	13,068,538
DAM LSE Internal LBMP Energy Sales	60%	59%	56%	55%	56%	61%	65%	64%	61%	59%	60%	57%
DAM External TC LBMP Energy Sales	5%		3%	2%	2%	3%	2%	4%	3%	4%	3%	6%
DAM External 10 Ebin Energy Gales DAM Bilateral - Internal Bilaterals	31%	30%	32%	35%	35%	29%	27%	26%	29%	30%	32%	30%
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	1%	4%	32 % 4%	5%	4%	4%	3%	3%	4%	4%	3%	3%
		2%	2%	2%	2%	1%	3 <i>%</i> 1%	3 <i>%</i> 1%	2%	2%	2%	3 <i>%</i> 2%
DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals	2% 2%	2%	3%	2% 2%	2% 2%	2%	2%	2%	2%	2% 2%	1%	2% 2%
Balancing Energy Market MWh	29,179	-308,157	-70,279	30,603	-36,350		-367,232	454,982	543,392	511,553	639,571	675,223
Balancing Energy LSE Internal LBMP Energy Sales	-215%	-151%	-367%	-456%	-398%	53%	-135%	82%	65%	63%	74%	87%
Balancing Energy External TC LBMP Energy Sales	374%		365%	578%	440%	60%	41%	34%	40%	39%	26%	18%
Balancing Energy Bilateral - Internal Bilaterals	49%	4%	27%	34%	0%	-1%	3%	3%	1%	2%	2%	2%
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	50%	5%	32%	34%	21%	5%	3%	2%	4%	5%	7%	8%
Balancing Energy Bilateral - Wheel Through Bilaterals	-158%	-17%	-158%	-90%	-163%	-17%	-11%	-21%	-9%	-10%	-8%	-15%
Transactions Summary												
LBMP	65%		59%	57%	58%	65%	66%	69%	66%	64%	65%	65%
Internal Bilaterals	31%	31%	33%	35%	35%	29%	28%	25%	27%	28%	30%	28%
Import Bilaterals	1%	4%	4%	5%	4%	3%	3%	3%	4%	4%	3%	3%
Export Bilaterals	2%	2%	2%	2%	2%	2%	1%	1%	2%	2%	2%	2%
Wheels Through	2%	2%	2%	2%	2%	1%	1%	1%	2%	2%	0%	1%
Market Share of Total Load												
Day Ahead Market	99.8%	102.4%	100.6%	99.7%	100.3%	98.3%	102.4%	97.2%	95.9%	95.9%	94.7%	95.1%
Balancing Energy +	0.2%	-2.4%	-0.6%	0.3%	-0.3%	1.7%	-2.4%	2.8%	4.1%	4.1%	5.3%	4.9%
Total MWH	14,138,027	13,017,172	12,772,999	11,234,865	11,817,864	14,368,536	15,476,492	16,487,220	13,302,943	12,363,765	12,136,001	13,743,761
Average Daily Energy Sendout/Month GWh	427	434	381	354	365	458	483	504	420	373	387	408
				- 		·		·	·	·		

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

Market Mitigation and Analysis Prepared: 6/9/2022 10:21 AM

<u>2022</u>

Day Ahead Market MWh

DAM LSE Internal LBMP Energy Sales

Notes: Percent totals may not equal 100% due to rounding.
Virtual Transactions are not reflected in this chart.

October November December

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

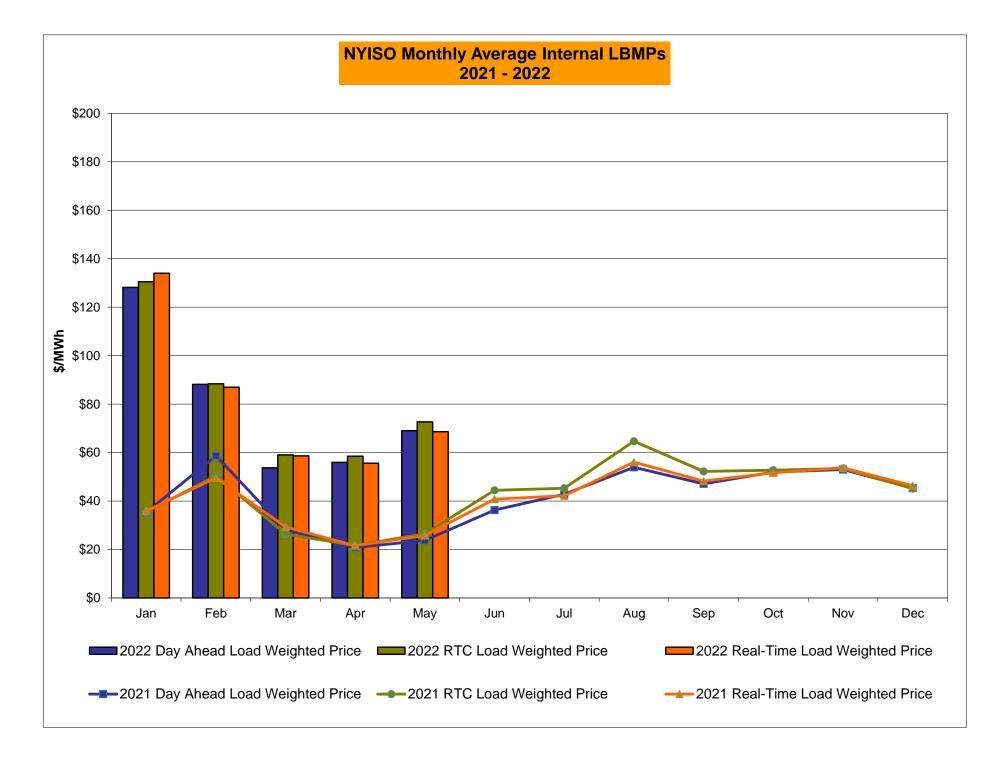
NYISO Markets 2022 Energy Statistics

	<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 *	\$124.39	\$85.98	\$52.41	\$55.23	\$66.11				
Standard Deviation	\$51.94	\$39.56	\$18.64	\$11.05	\$21.60				
Load Weighted Price **	\$128.16	\$88.17	\$53.69	\$55.96	\$69.05				
RTC LBMP									
Price *	¢407.46	COE 10	ФЕ 7 БО	¢ E7 22	\$68.27				
	\$127.16	\$85.48	\$57.58	\$57.33	•				
Standard Deviation	\$77.62	\$55.20	\$38.62	\$21.09	\$42.87				
Load Weighted Price **	\$130.45	\$88.33	\$59.03	\$58.49	\$72.67				
REAL TIME LBMP									
Price *	\$130.43	\$83.85	\$57.00	\$54.45	\$65.07				
Standard Deviation	\$93.35	\$57.99	\$44.52	\$20.46	\$33.01				
Load Weighted Price **	\$133.98	\$86.99	\$58.64	\$55.57	\$68.60				
Average Daily Energy Sendout/Month GWh	451	429	390	359	372				

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>	<u>August</u>	<u>September</u>	<u>October</u>	November I	<u>December</u>
DAY AHEAD LBMP Price *	\$34.37	\$57.30	\$27.47	\$20.46	\$22.95	\$33.36	\$40.38	\$50.30	\$45.48	\$50.66	\$51.90	\$44.24
Standard Deviation	\$14.58	\$24.48	\$8.23	\$4.58	\$6.28	\$15.88	\$15.56	\$22.37	\$12.42	\$11.04	\$11.83	\$13.72
Load Weighted Price **	\$35.31	\$58.67	\$28.12	\$20.81	\$23.75	\$36.28	\$42.84	\$53.93	\$47.08	\$51.92	\$52.98	\$45.33
RTC LBMP												
Price *	\$34.32	\$49.25	\$25.59	\$21.30	\$25.36	\$39.69	\$42.25	\$58.87	\$50.07	\$51.41	\$52.37	\$44.16
Standard Deviation	\$20.93	\$23.34	\$12.67	\$7.91	\$11.17	\$34.08	\$47.97	\$47.79	\$22.24	\$13.96	\$16.97	\$17.49
Load Weighted Price **	\$35.40	\$50.48	\$26.37	\$21.67	\$26.50	\$44.41	\$45.27	\$64.66	\$52.21	\$52.71	\$53.44	\$45.12
REAL TIME LBMP												
Price *	\$34.59	\$48.22	\$28.06	\$21.10	\$24.62	\$36.58	\$39.61	\$51.46	\$46.37	\$50.41	\$52.52	\$45.13
Standard Deviation	\$29.47	\$26.46	\$26.13	\$10.07	\$10.91	\$25.43	\$26.73	\$37.53	\$18.08	\$14.93	\$20.97	\$23.65
Load Weighted Price **	\$35.89	\$49.57	\$29.33	\$21.55	\$25.78	\$40.76	\$42.20	\$56.04	\$48.21	\$51.66	\$53.68	\$46.29
Average Daily Energy Sendout/Month GWh	427	434	381	354	365	458	483	504	420	373	387	408

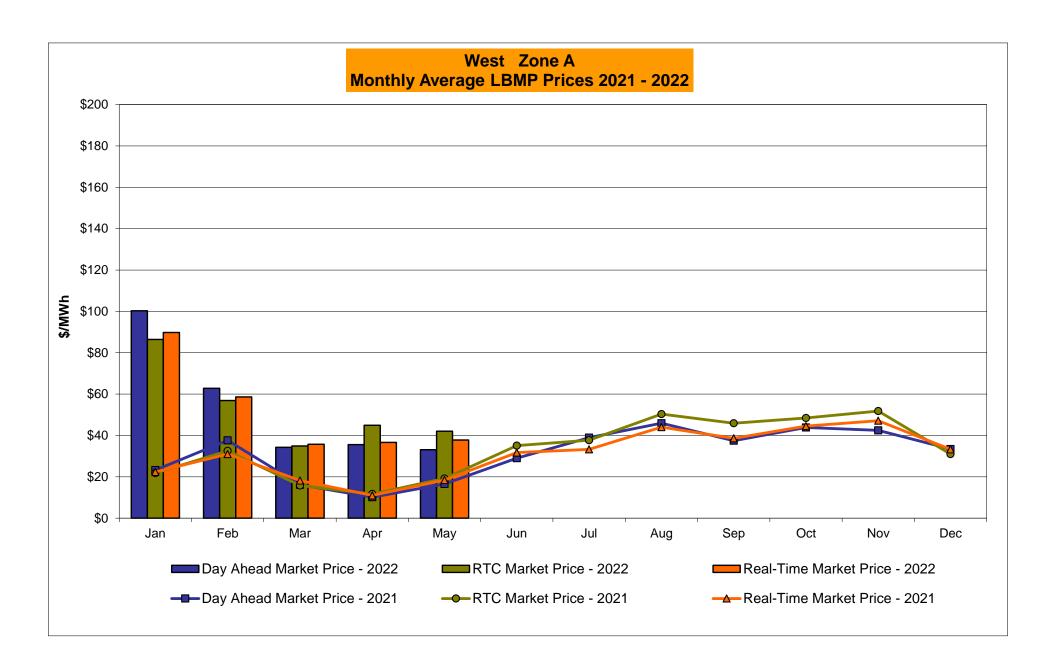
^{*} Average zonal load weighted prices.
** Average zonal load weighted prices, load weighted in each hour.

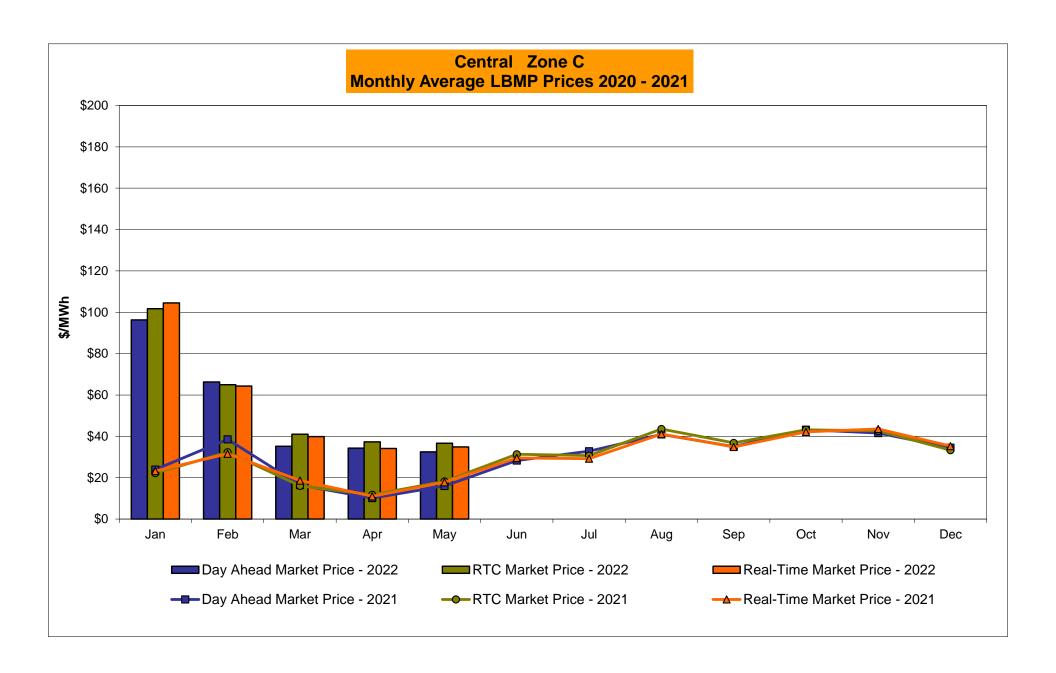


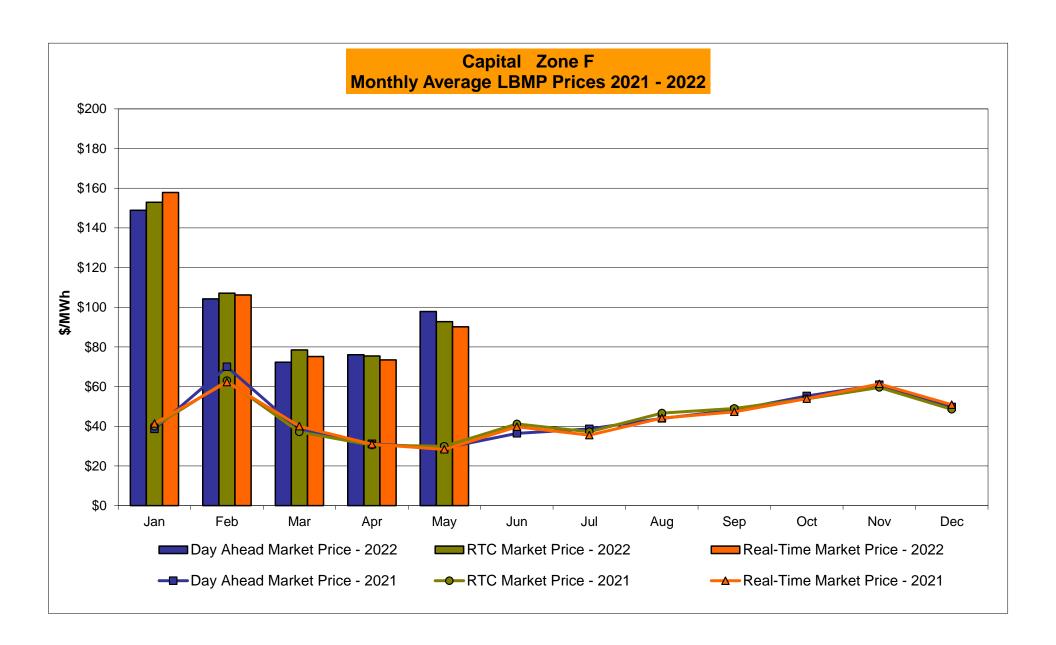
May 2022 Zonal LBMP Statistics for NYISO (\$/MWh)

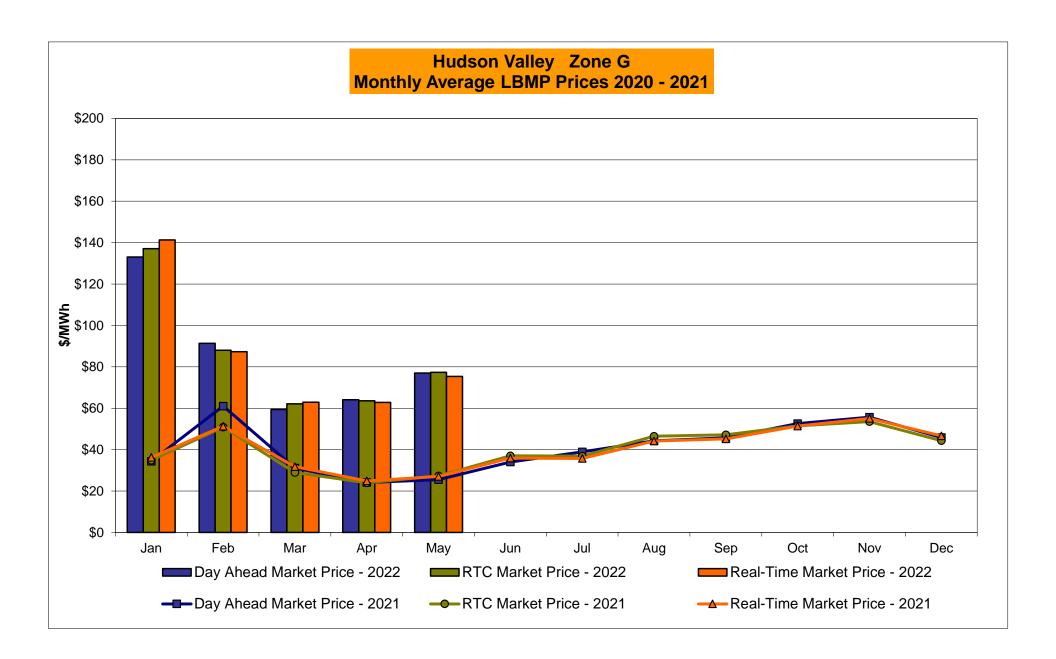
	WEST Zone A	GENESEE Zone B	NORTH Zone D	CENTRAL Zone C	MOHAWK VALLEY <u>Zone E</u>	CAPITAL Zone F	HUDSON VALLEY Zone G	MILLWOOD Zone H	DUNWOODIE Zone I	NEW YORK CITY Zone J	LONG ISLAND <u>Zone K</u>
DAY AHEAD LBMP											
Unweighted Price *	33.10	30.20	17.88	32.52	32.58	97.86	77.00	78.48	78.30	78.58	97.58
Standard Deviation	20.21	19.69	17.10	19.28	19.11	27.05	21.21	21.85	21.78	21.79	38.51
RTC LBMP											
Unweighted Price *	42.03	33.46	23.08	36.71	35.88	92.76	77.35	79.00	79.01	79.41	101.43
Standard Deviation	59.82	38.19	40.80	37.10	37.47	39.34	35.16	35.34	36.37	36.66	111.90
REAL TIME LBMP											
Unweighted Price *	37.76	32.49	21.91	34.88	34.57	90.16	75.35	77.10	77.08	77.53	92.21
Standard Deviation	45.37	33.84	38.02	33.02	33.17	38.57	29.88	30.62	30.84	30.99	85.97
		HYDRO	HYDRO			CROSS					
	ONTARIO	HYDRO QUEBEC	HYDRO QUEBEC		NEW	SOUND	NORTHPORT-				
	ONTARIO IESO	QUEBEC		РЈМ	NEW ENGLAND	SOUND CABLE	NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
	IESO	QUEBEC (Wheel) (In	QUEBEC mport/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>
DAY AHFAD I RMP		QUEBEC	QUEBEC	PJM <u>Zone P</u>		SOUND CABLE	NORWALK	_			
DAY AHEAD LBMP Unweighted Price *	IESO	QUEBEC (Wheel) (In	QUEBEC mport/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>
	IESO Zone O	QUEBEC (Wheel) (In	QUEBEC mport/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 * Standard Deviation	Zone O 30.03	QUEBEC (Wheel) (In Zone M 20.16	QUEBEC mport/Export) Zone M 20.16	Zone P 58.89	ENGLAND Zone N 82.07	SOUND CABLE Controllable Line 97.47	NORWALK Controllable Line 84.52	Controllable Line 96.91	Controllable Line 77.59	Controllable Line 78.35	Controllable Line 16.49
Unweighted Price * Standard Deviation RTC LBMP	Zone O 30.03 18.10	QUEBEC (Wheel) (In Zone M 20.16 20.11	QUEBEC mport/Export) Zone M 20.16 20.11	Zone P 58.89 17.63	Zone N 82.07 22.98	SOUND CABLE Controllable Line 97.47 38.31	NORWALK Controllable Line 84.52 23.35	Controllable Line 96.91 38.66	Controllable Line 77.59 19.19	Controllable Line 78.35 21.75	Controllable Line 16.49 16.10
Unweighted Price * Standard Deviation	Zone O 30.03	QUEBEC (Wheel) (In Zone M 20.16	QUEBEC mport/Export) Zone M 20.16	Zone P 58.89	ENGLAND Zone N 82.07	SOUND CABLE Controllable Line 97.47	NORWALK Controllable Line 84.52	Controllable Line 96.91	Controllable Line 77.59	Controllable Line 78.35	Controllable Line 16.49
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	Zone O 30.03 18.10	QUEBEC (Wheel) (In Zone M 20.16 20.11	QUEBEC mport/Export) Zone M 20.16 20.11	Zone P 58.89 17.63	ENGLAND Zone N 82.07 22.98	SOUND CABLE Controllable Line 97.47 38.31	NORWALK Controllable Line 84.52 23.35	26.91 38.66	77.59 19.19	78.35 21.75	Controllable Line 16.49 16.10
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation REAL TIME LBMP	30.03 18.10 34.15 34.86	QUEBEC (Wheel) (In Zone M 20.16 20.11 13.72 28.62	QUEBEC mport/Export) Zone M 20.16 20.11 13.72 28.62	58.89 17.63 65.72 35.14	Zone N 82.07 22.98 79.58 26.97	SOUND CABLE Controllable Line 97.47 38.31 100.83 110.07	NORWALK <u>Controllable</u> <u>Line</u> 84.52 23.35 96.21 92.04	96.91 38.66 99.53 103.03	77.59 19.19 76.87 34.60	78.35 21.75 75.82 37.55	16.49 16.10 22.40 40.73
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	Zone O 30.03 18.10	QUEBEC (Wheel) (In Zone M 20.16 20.11	QUEBEC mport/Export) Zone M 20.16 20.11	Zone P 58.89 17.63	ENGLAND Zone N 82.07 22.98	SOUND CABLE Controllable Line 97.47 38.31	NORWALK Controllable Line 84.52 23.35	26.91 38.66	77.59 19.19	78.35 21.75	Controllable Line 16.49 16.10

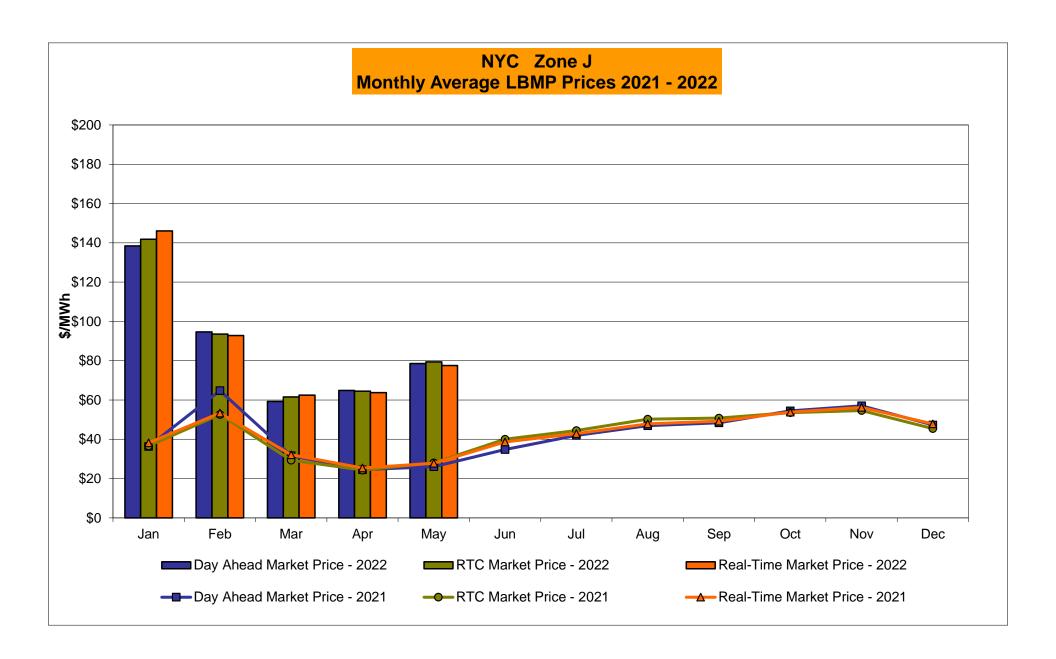
^{*} Straight LBMP averages

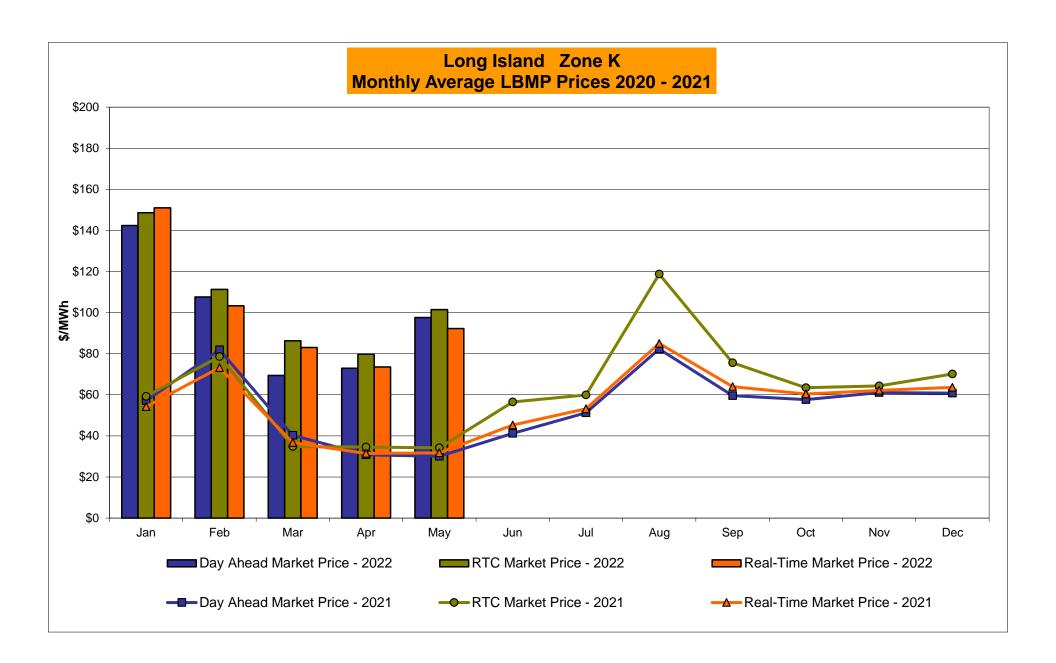


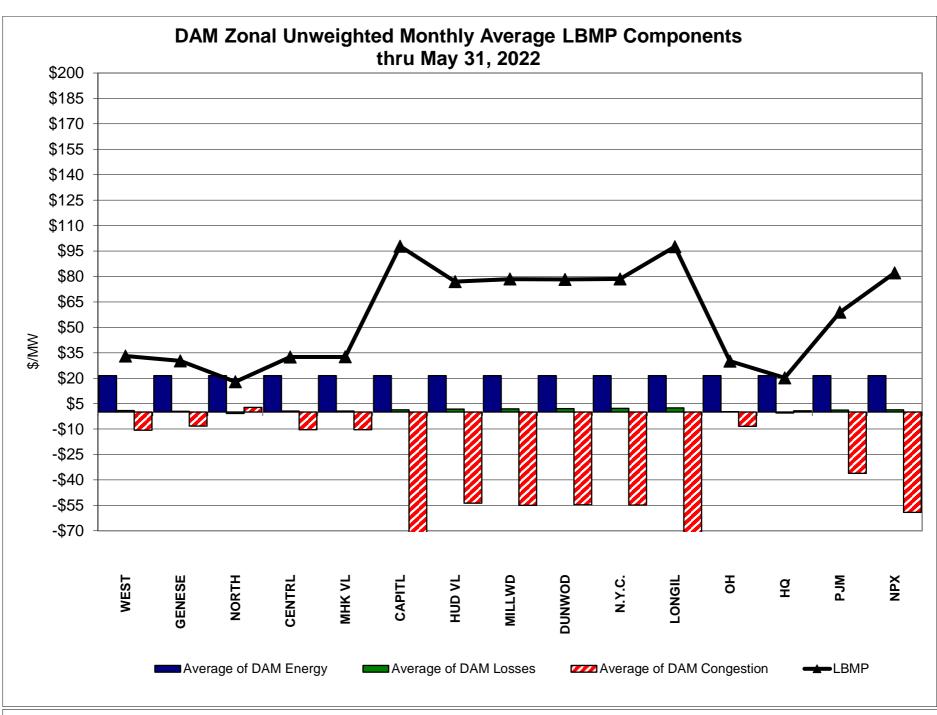


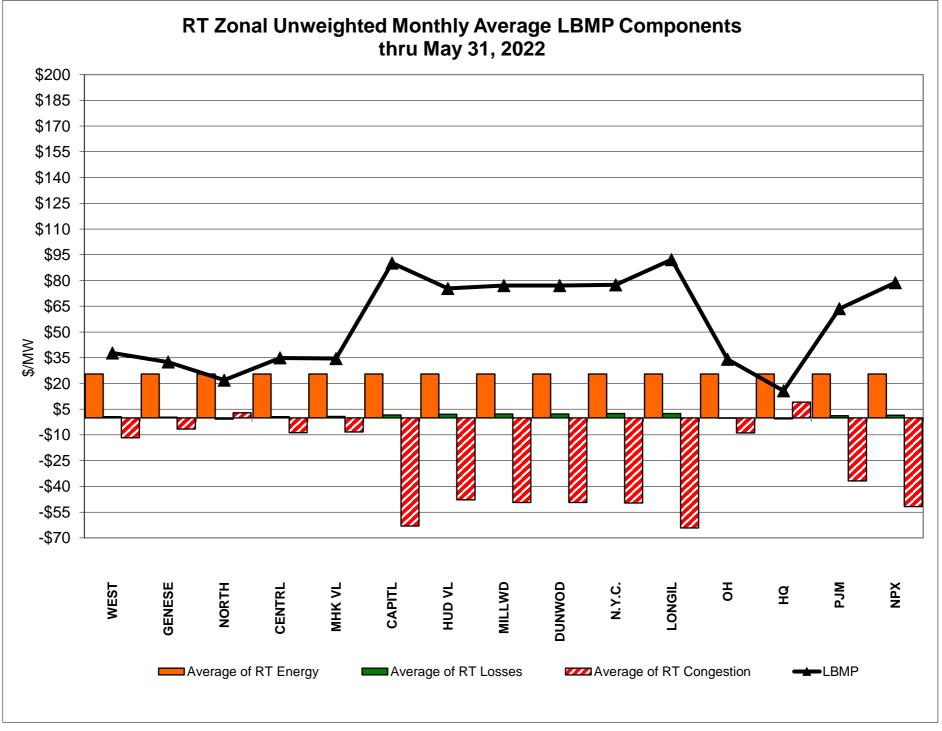




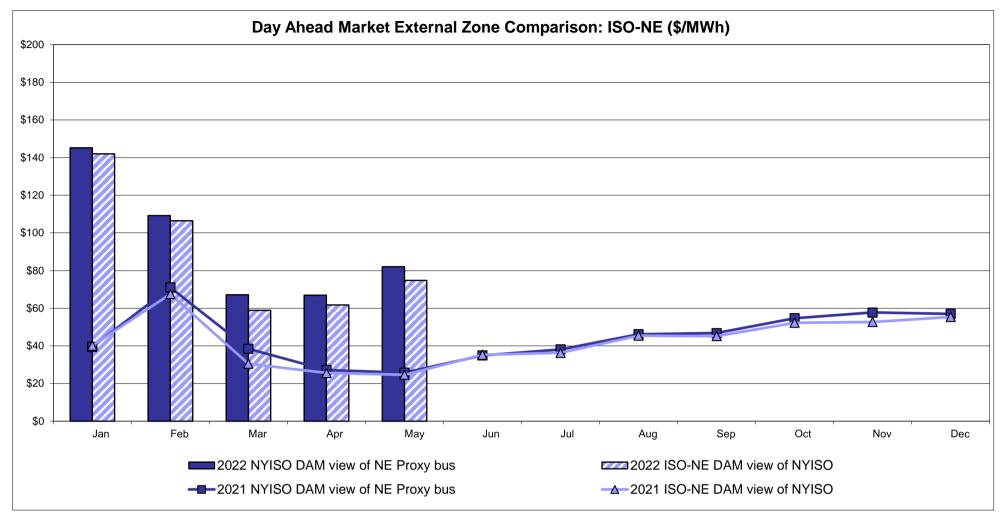


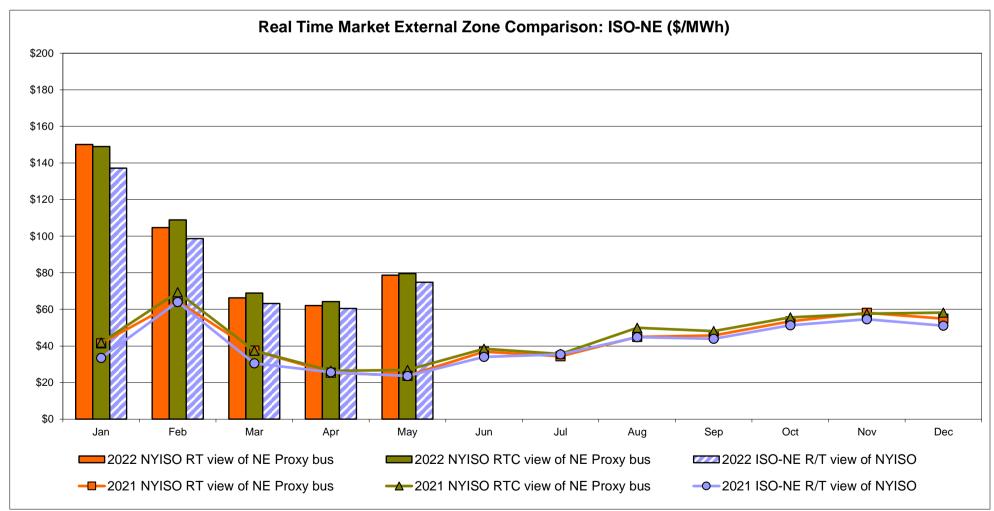




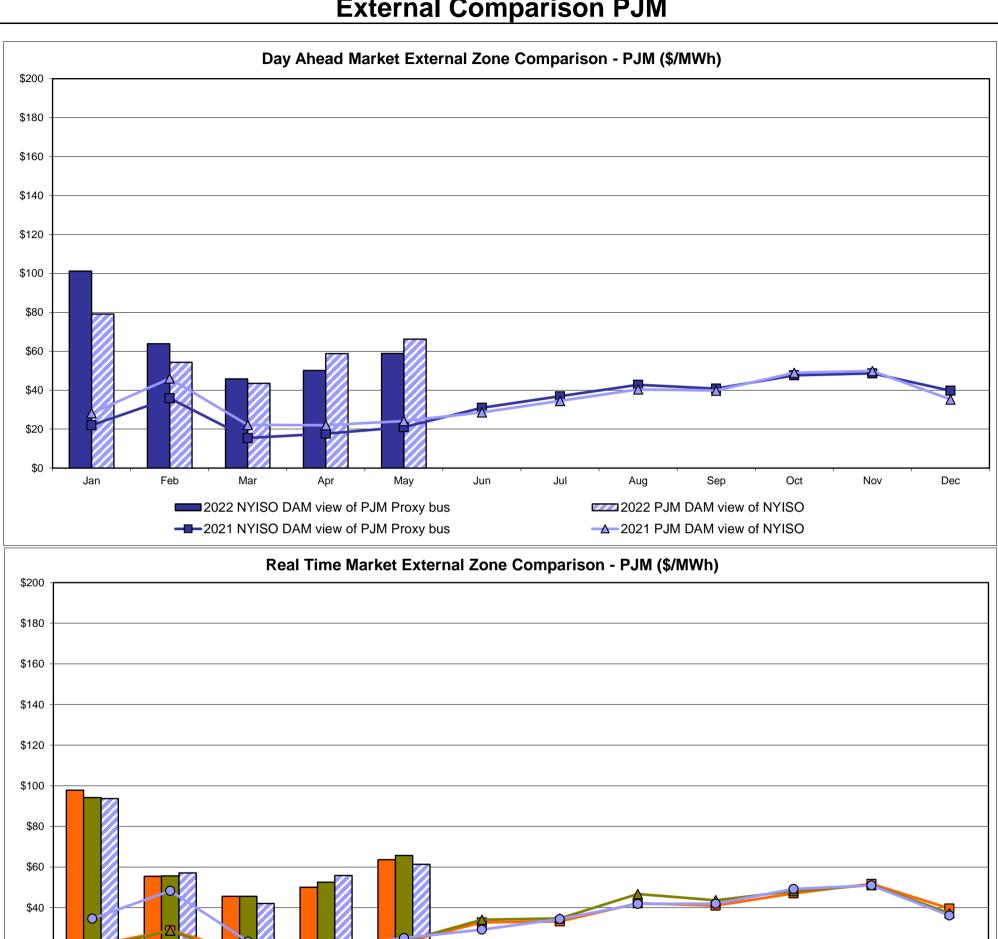


External Comparison ISO-New England





External Comparison PJM



■2022 NYISO RT view of PJM Proxy bus

-2021 NYISO RT view of PJM Proxy bus

\$20

\$0

■2022 NYISO RTC view of PJM Proxy bus

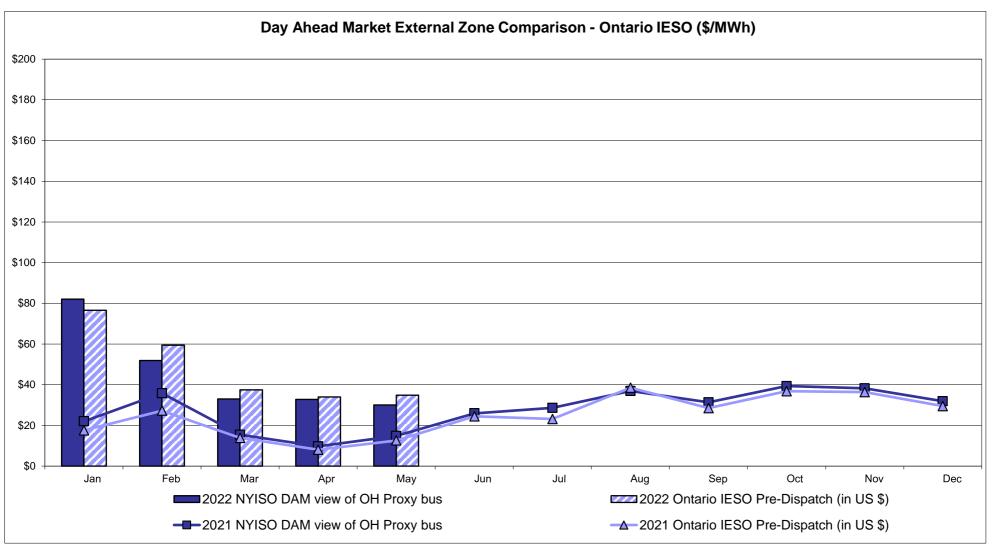
- 2021 NYISO RTC view of PJM Proxy bus

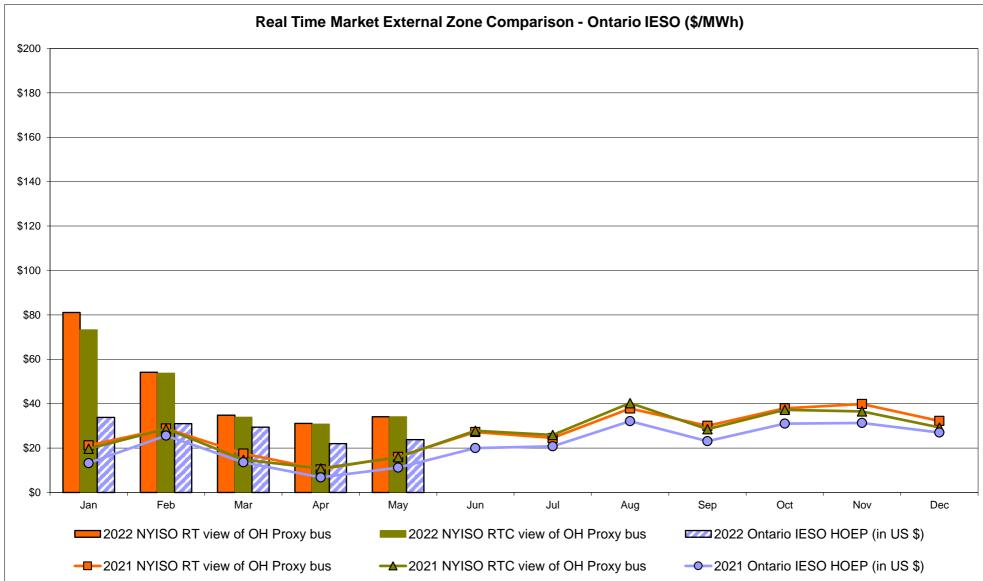
Dec

2022 PJM R/T view of NYISO

-0-2021 PJM R/T view of NYISO

External Comparison Ontario IESO

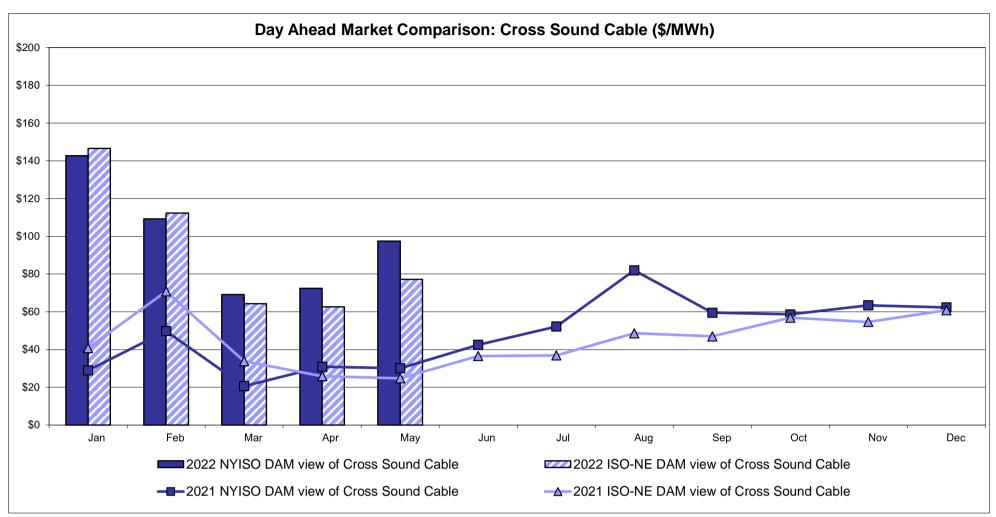


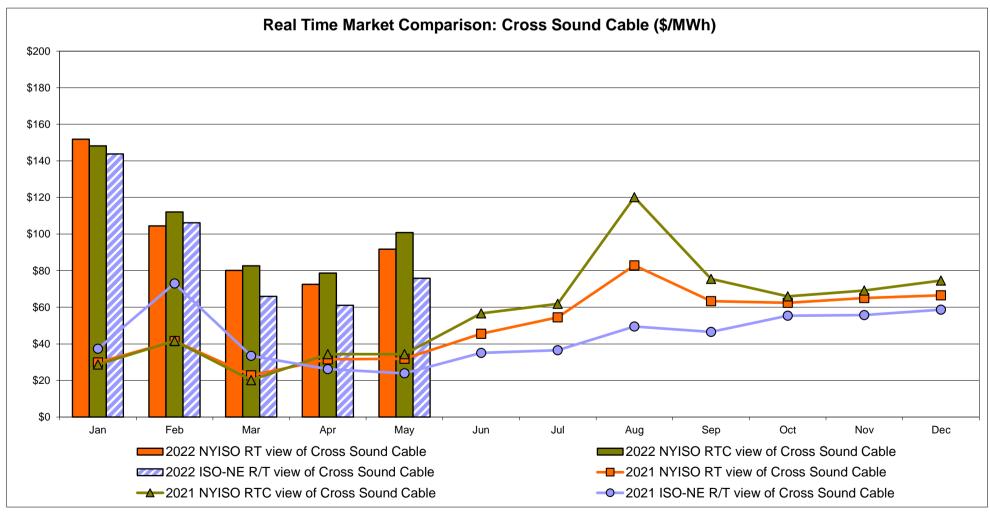


Notes: Exchange factor used for May 2022 was 0.777665448324131 to US

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

External Controllable Line: Cross Sound Cable (New England)





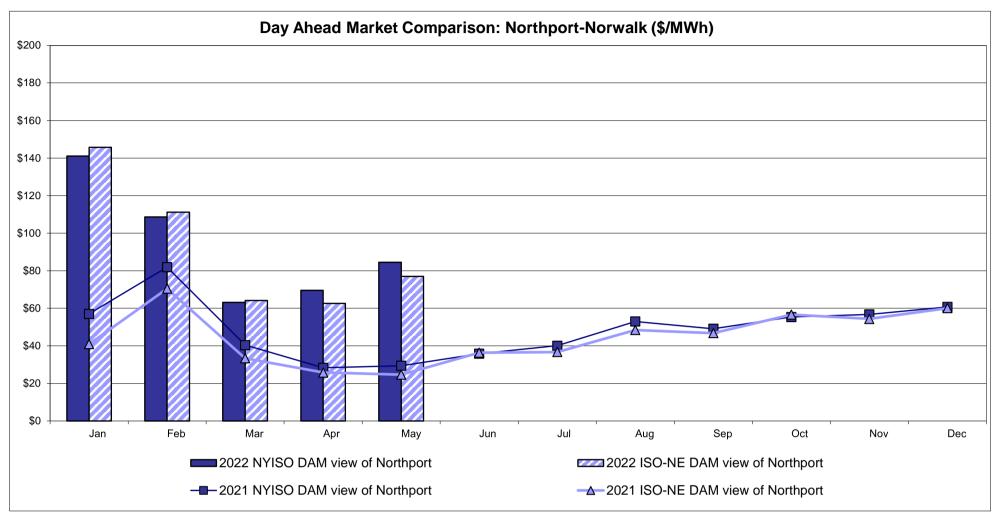
Note:

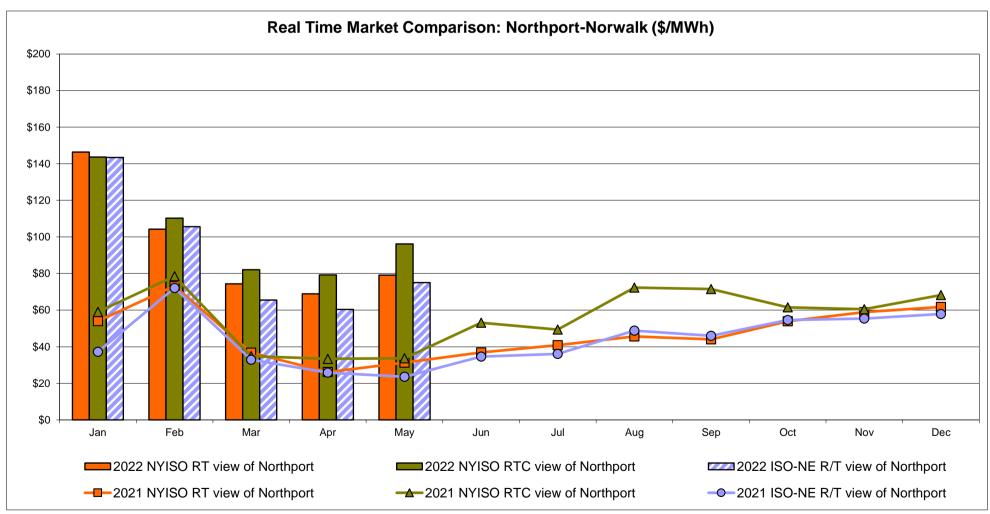
ISO-NE Forecast is an advisory posting @ 18:00 day before.

The DAM and R/T prices at the Shorham 13899 interface are used for ISO-NE.

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

External Controllable Line: Northport - Norwalk (New England)





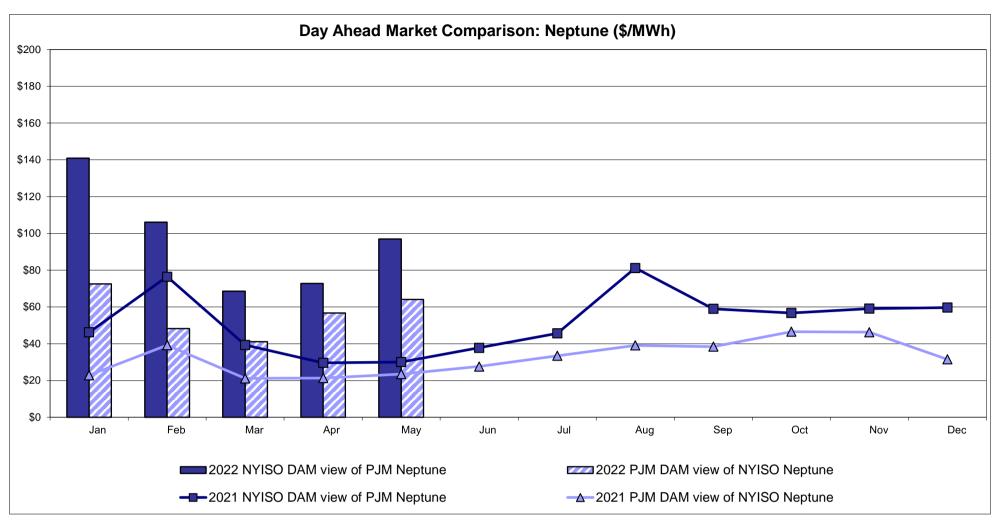
Note:

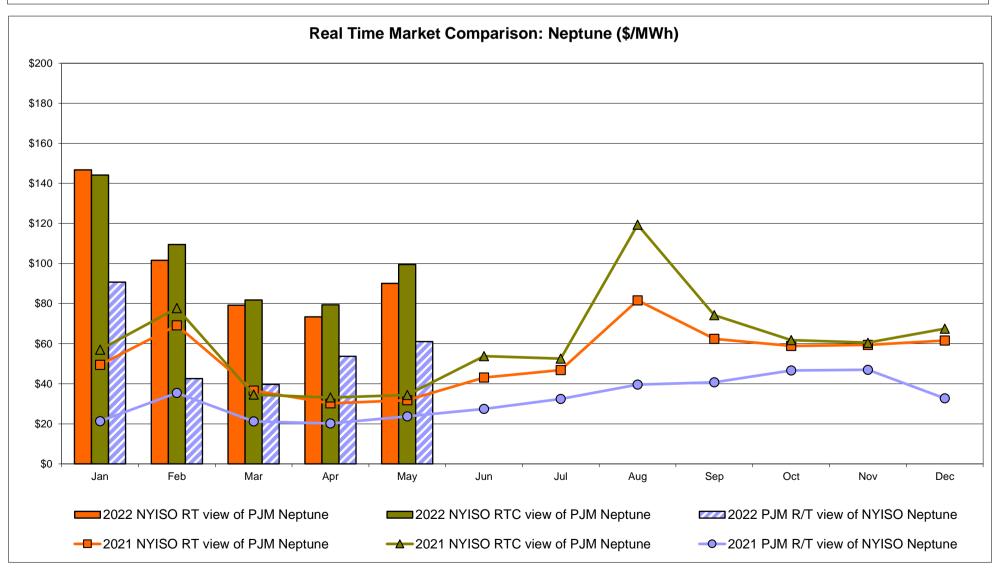
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

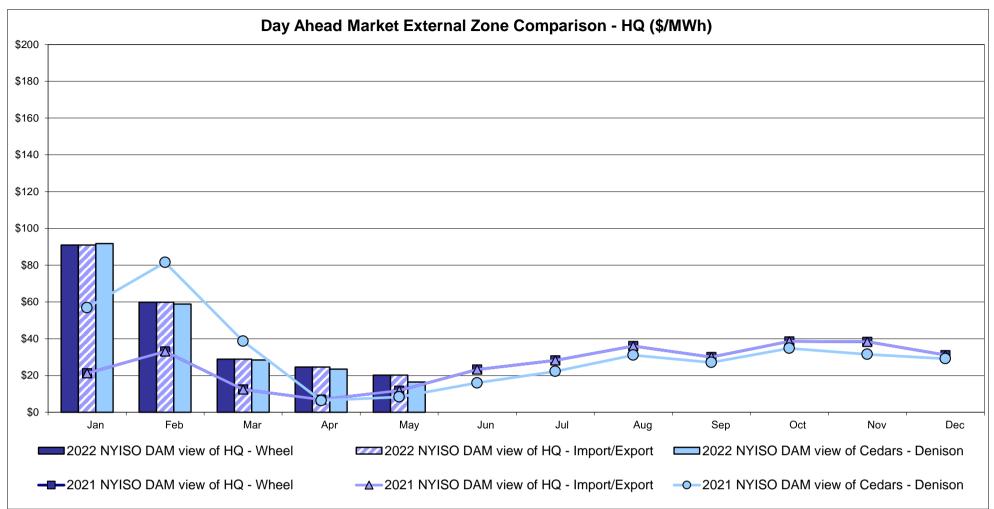
The DAM and R/T prices at the 1385 interface are used for NYISO.

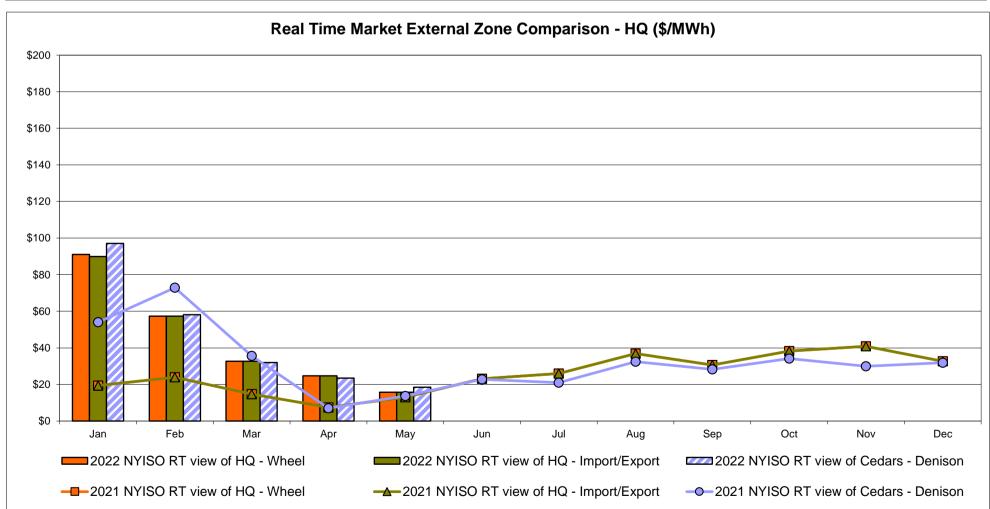
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

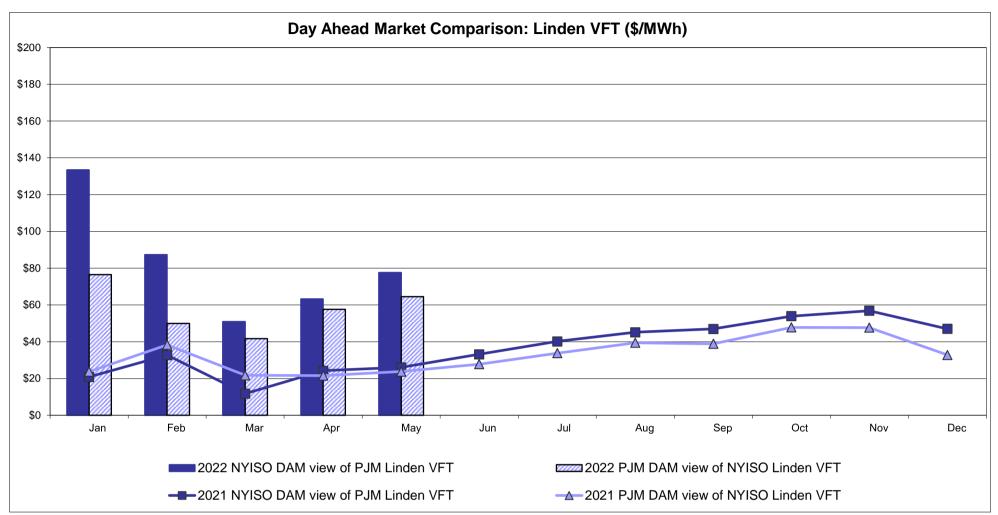


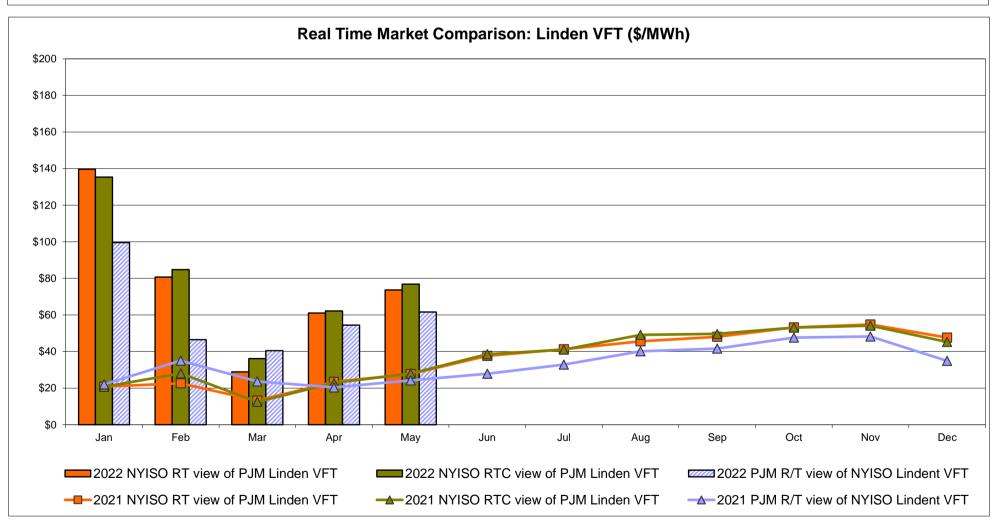


Note:

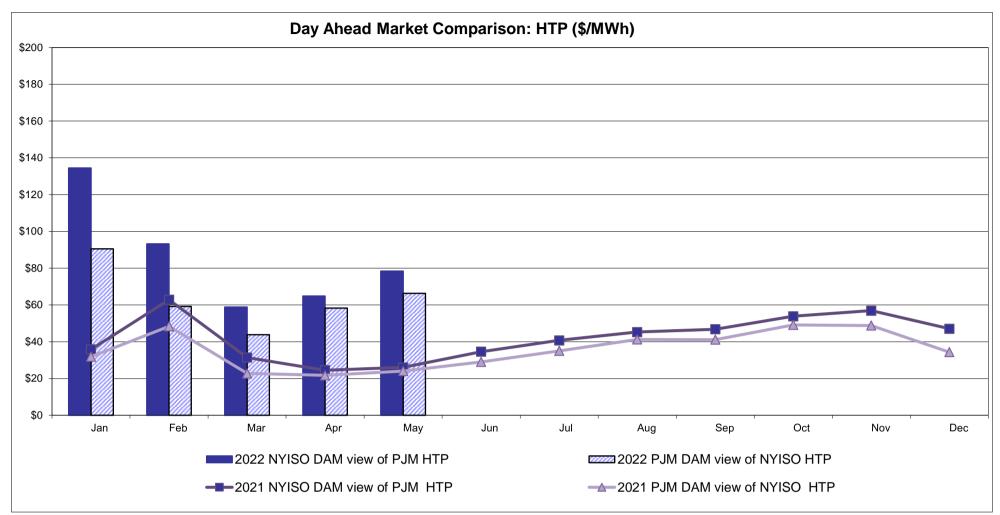
Hydro-Quebec Prices are unavailable.

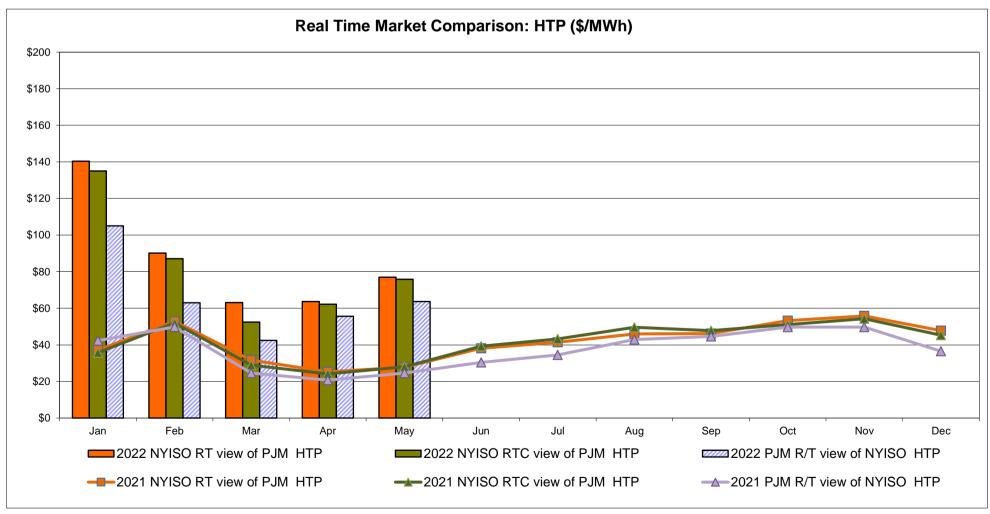
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)

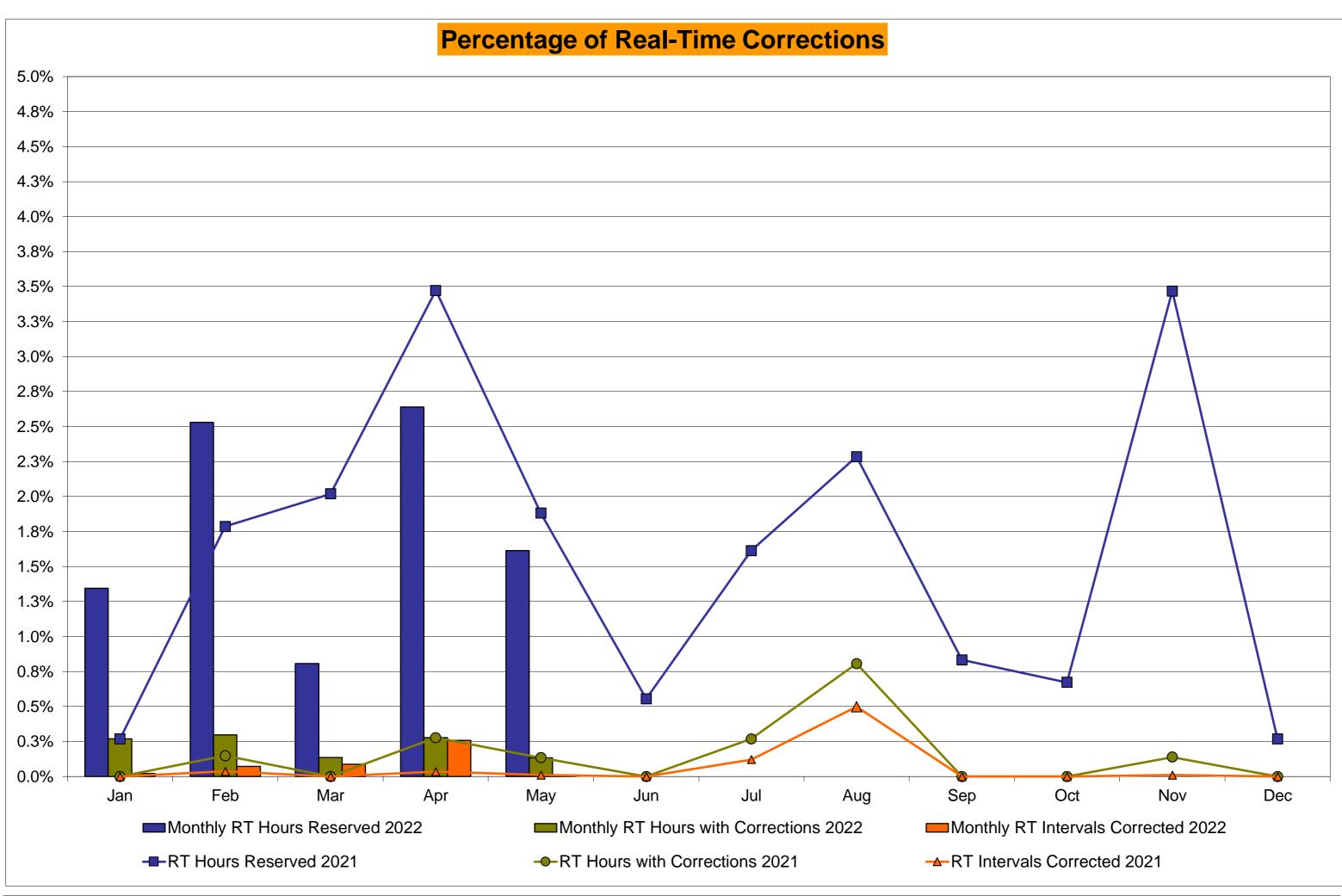




NYISO Real Time Price Correction Statistics

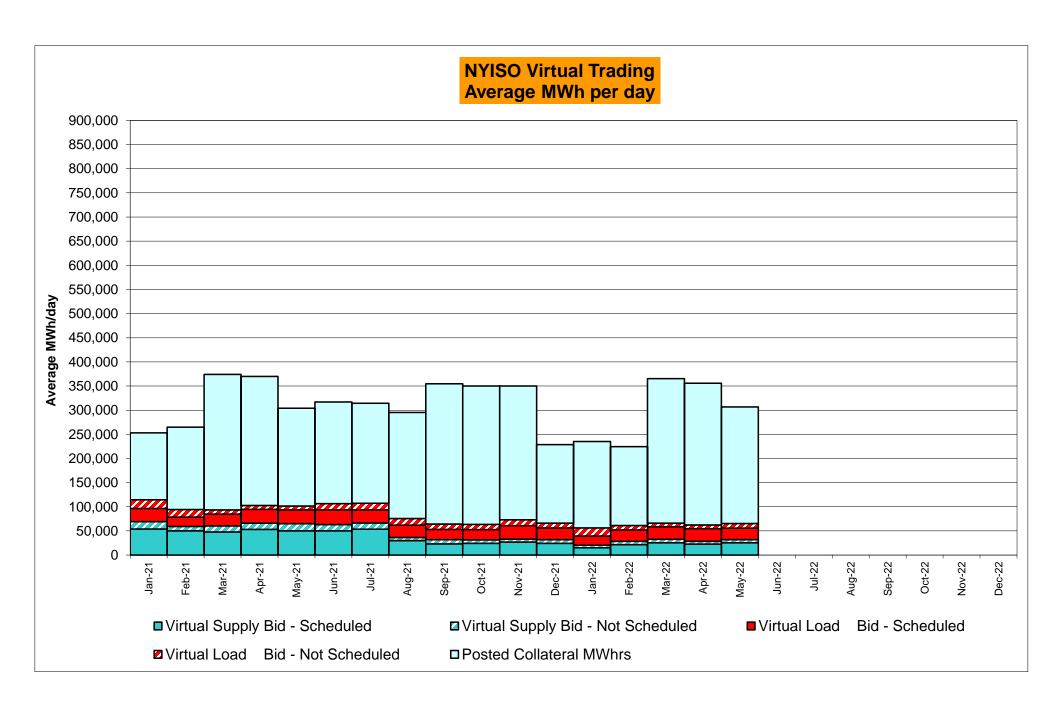
							OOHOOM						
<u>2022</u>		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Hour Corrections													
Number of hours with corrections	in the month	2	2	1	2	1							
Number of hours	in the month	744	672	743	720	744							
% of hours with corrections	in the month	0.27%	0.30%	0.13%	0.28%	0.13%							
% of hours with corrections	year-to-date	0.27%	0.28%	0.23%	0.24%	0.22%							
Interval Corrections	•												
Number of intervals corrected	in the month	2	6	8	23	1							
Number of intervals	in the month	9,258	8,338	9,118	8,908	9,181							
% of intervals corrected	in the month	0.02%	0.07%	0.09%	0.26%	0.01%							
% of intervals corrected	year-to-date	0.02%	0.05%	0.06%	0.11%	0.09%							
Hours Reserved	•												
Number of hours reserved	in the month	10	17	6	19	12							
Number of hours	in the month	744	672	743	720	744							
% of hours reserved	in the month	1.34%	2.53%	0.81%	2.64%	1.61%							
0/ of bours recorded													
% of hours reserved Days to Correction *	year-to-date	1.34%	1.91%	1.53%	1.81%	1.77%							
	in the menth	3.00	2.00	2.50	3.00	2.00							
Avg. number of days to correction	in the month	3.00	2.00 2.50	2.50 2.50	2.60	2.50							
Avg. number of days to correction Days Without Corrections	year-to-date	3.00	2.50	2.30	2.00	2.30							
	in the menth	20	27	20	20	20							
Days without corrections	in the month	30	27 57	29 86	29 445	30							
Days without corrections	year-to-date	30	57	80	115	145							
2021		January	February	March	April	Mav	June	July	August	September	October	November	December
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>	September	<u>October</u>	November	<u>December</u>
Hour Corrections	in the month		<u>February</u>			May 1						November 1	
Hour Corrections Number of hours with corrections	in the month	0	1	0	2	1	0	2	6	0	0	1	0
Hour Corrections Number of hours with corrections Number of hours	in the month	 0 744	1 672	0 743	2 720	1 744	0 720	2 744	6 744	0 720	0 744	 1 721	0 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections		0 744 0.00%	1 672 0.15%	0 743 0.00%	2 720 0.28%	1 744 0.13%	0 720 0.00%	2 744 0.27%	6 744 0.81%	0 720 0.00%	0 744 0.00%	1 721 0.14%	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	 0 744	1 672	0 743	2 720	1 744	0 720	2 744	6 744	0 720	0 744	 1 721	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	0 744 0.00%	1 672 0.15% 0.07%	0 743 0.00%	2 720 0.28% 0.10%	1 744 0.13%	0 720 0.00%	2 744 0.27%	6 744 0.81%	0 720 0.00%	0 744 0.00%	1 721 0.14%	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	0 744 0.00% 0.00%	1 672 0.15% 0.07%	0 743 0.00% 0.05%	2 720 0.28% 0.10%	1 744 0.13% 0.11%	0 720 0.00% 0.09%	2 744 0.27% 0.12%	6 744 0.81% 0.21%	0 720 0.00% 0.18%	0 744 0.00% 0.16%	1 721 0.14% 0.16%	0 744 0.00% 0.15%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals	in the month in the month year-to-date in the month in the month	0 744 0.00% 0.00% 0 9,095	1 672 0.15% 0.07% 3 8,236	0 743 0.00% 0.05% 0 9,100	2 720 0.28% 0.10% 3 8,827	1 744 0.13% 0.11% 1 9,157	0 720 0.00% 0.09% 0 8,813	2 744 0.27% 0.12% 11 9,084	6 744 0.81% 0.21% 45 9,024	0 720 0.00% 0.18% 0 8,783	0 744 0.00% 0.16% 0 9,133	1 721 0.14% 0.16% 1 8,802	0 744 0.00% 0.15% 0 9,063
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected	in the month in the month year-to-date in the month	0 744 0.00% 0.00%	1 672 0.15% 0.07%	0 743 0.00% 0.05%	2 720 0.28% 0.10%	1 744 0.13% 0.11%	0 720 0.00% 0.09%	2 744 0.27% 0.12%	6 744 0.81% 0.21%	0 720 0.00% 0.18%	0 744 0.00% 0.16%	1 721 0.14% 0.16%	0 744 0.00% 0.15%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals	in the month in the month year-to-date in the month in the month	0 744 0.00% 0.00% 0 9,095	1 672 0.15% 0.07% 3 8,236	0 743 0.00% 0.05% 0 9,100	2 720 0.28% 0.10% 3 8,827	1 744 0.13% 0.11% 1 9,157	0 720 0.00% 0.09% 0 8,813	2 744 0.27% 0.12% 11 9,084	6 744 0.81% 0.21% 45 9,024	0 720 0.00% 0.18% 0 8,783	0 744 0.00% 0.16% 0 9,133	1 721 0.14% 0.16% 1 8,802	0 744 0.00% 0.15% 0 9,063
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	0 744 0.00% 0.00% 0 9,095 0.00%	1 672 0.15% 0.07% 3 8,236 0.04%	0 743 0.00% 0.05% 0 9,100 0.00%	2 720 0.28% 0.10% 3 8,827 0.03%	1 744 0.13% 0.11% 1 9,157 0.01%	0 720 0.00% 0.09% 0 8,813 0.00%	2 744 0.27% 0.12% 11 9,084 0.12%	6 744 0.81% 0.21% 45 9,024 0.50%	0 720 0.00% 0.18% 0 8,783 0.00%	0 744 0.00% 0.16% 0 9,133 0.00%	1 721 0.14% 0.16% 1 8,802 0.01%	0 744 0.00% 0.15% 0 9,063 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	0 744 0.00% 0.00% 0 9,095 0.00%	1 672 0.15% 0.07% 3 8,236 0.04%	0 743 0.00% 0.05% 0 9,100 0.00%	2 720 0.28% 0.10% 3 8,827 0.03%	1 744 0.13% 0.11% 1 9,157 0.01%	0 720 0.00% 0.09% 0 8,813 0.00%	2 744 0.27% 0.12% 11 9,084 0.12%	6 744 0.81% 0.21% 45 9,024 0.50%	0 720 0.00% 0.18% 0 8,783 0.00%	0 744 0.00% 0.16% 0 9,133 0.00%	1 721 0.14% 0.16% 1 8,802 0.01%	0 744 0.00% 0.15% 0 9,063 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved	in the month in the month year-to-date in the month in the month in the month year-to-date	0 744 0.00% 0.00% 0 9,095 0.00%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01%	2 720 0.28% 0.10% 3 8,827 0.03% 0.02%	1 744 0.13% 0.11% 1 9,157 0.01% 0.02%	0 720 0.00% 0.09% 0 8,813 0.00% 0.01%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03%	6 744 0.81% 0.21% 45 9,024 0.50% 0.09%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07%	0 744 0.00% 0.15% 0 9,063 0.00% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	0 744 0.00% 0.00% 0 9,095 0.00% 0.00%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01%	2 720 0.28% 0.10% 3 8,827 0.03% 0.02%	1 744 0.13% 0.11% 1 9,157 0.01% 0.02%	0 720 0.00% 0.09% 0 8,813 0.00% 0.01%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03%	6 744 0.81% 0.21% 45 9,024 0.50% 0.09%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07%	0 744 0.00% 0.15% 0 9,063 0.00% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	0 744 0.00% 0.00% 0 9,095 0.00% 0.00% 2 744 0.27%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02% 12 672 1.79%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01% 15 743 2.02%	2 720 0.28% 0.10% 3 8,827 0.03% 0.02% 25 720 3.47%	1 744 0.13% 0.11% 1 9,157 0.01% 0.02% 14 744 1.88%	0 720 0.00% 0.09% 0 8,813 0.00% 0.01% 4 720 0.56%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03% 12 744 1.61%	6 744 0.81% 0.21% 45 9,024 0.50% 0.09% 17 744 2.28%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08% 6 720 0.83%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07% 5 744 0.67%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07% 25 721 3.47%	0 744 0.00% 0.15% 0 9,063 0.00% 0.06% 2 744 0.27%
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	0 744 0.00% 0.00% 0 9,095 0.00% 0.00%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01%	2 720 0.28% 0.10% 3 8,827 0.03% 0.02% 25 720	1 744 0.13% 0.11% 1 9,157 0.01% 0.02%	0 720 0.00% 0.09% 0 8,813 0.00% 0.01%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03% 12 744	6 744 0.81% 0.21% 45 9,024 0.50% 0.09%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07% 25 721	0 744 0.00% 0.15% 0 9,063 0.00% 0.06%
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	0 744 0.00% 0.00% 0 9,095 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02% 12 672 1.79% 0.99%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01% 15 743 2.02% 1.34%	2 720 0.28% 0.10% 3 8,827 0.03% 0.02% 25 720 3.47% 1.88%	1 744 0.13% 0.11% 1 9,157 0.01% 0.02% 14 744 1.88% 1.88%	0 720 0.00% 0.09% 0 8,813 0.00% 0.01% 4 720 0.56% 1.66%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03% 12 744 1.61% 1.65%	6 744 0.81% 0.21% 45 9,024 0.50% 0.09% 17 744 2.28% 1.73%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08% 6 720 0.83% 1.63%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07% 5 744 0.67% 1.54%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07% 25 721 3.47% 1.71%	0 744 0.00% 0.15% 0 9,063 0.00% 0.06% 2 744 0.27% 1.59%
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	0 744 0.00% 0.00% 0 9,095 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02% 12 672 1.79% 0.99%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01% 15 743 2.02% 1.34% 0.00	2 720 0.28% 0.10% 3 8,827 0.03% 0.02% 25 720 3.47% 1.88%	1 744 0.13% 0.11% 1 9,157 0.01% 0.02% 14 744 1.88% 1.88%	0 720 0.00% 0.09% 0 8,813 0.00% 0.01% 4 720 0.56% 1.66%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03% 12 744 1.61% 1.65%	6 744 0.81% 0.21% 45 9,024 0.50% 0.09% 17 744 2.28% 1.73%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08% 6 720 0.83% 1.63%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07% 5 744 0.67% 1.54%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07% 25 721 3.47% 1.71% 3.00	0 744 0.00% 0.15% 0 9,063 0.00% 0.06% 2 744 0.27% 1.59%
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 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	0 744 0.00% 0.00% 0 9,095 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02% 12 672 1.79% 0.99%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01% 15 743 2.02% 1.34%	2 720 0.28% 0.10% 3 8,827 0.03% 0.02% 25 720 3.47% 1.88%	1 744 0.13% 0.11% 1 9,157 0.01% 0.02% 14 744 1.88% 1.88%	0 720 0.00% 0.09% 0 8,813 0.00% 0.01% 4 720 0.56% 1.66%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03% 12 744 1.61% 1.65%	6 744 0.81% 0.21% 45 9,024 0.50% 0.09% 17 744 2.28% 1.73%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08% 6 720 0.83% 1.63%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07% 5 744 0.67% 1.54%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07% 25 721 3.47% 1.71%	0 744 0.00% 0.15% 0 9,063 0.00% 0.06% 2 744 0.27% 1.59%
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 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	0 744 0.00% 0.00% 0 9,095 0.00% 0.00% 2 744 0.27% 0.27% 0.00 0.00	1 672 0.15% 0.07% 3 8,236 0.04% 0.02% 12 672 1.79% 0.99% 3.00 3.00	0 743 0.00% 0.05% 0 9,100 0.00% 0.01% 15 743 2.02% 1.34% 0.00 3.00	2 720 0.28% 0.10% 3 8,827 0.03% 0.02% 25 720 3.47% 1.88% 3.00 3.00	1 744 0.13% 0.11% 1 9,157 0.01% 0.02% 14 744 1.88% 1.88% 2.00 2.75	0 720 0.00% 0.09% 0 8,813 0.00% 0.01% 4 720 0.56% 1.66% 0.00 2.75	2 744 0.27% 0.12% 11 9,084 0.12% 0.03% 12 744 1.61% 1.65% 3.00 2.80	6 744 0.81% 0.21% 45 9,024 0.50% 0.09% 17 744 2.28% 1.73% 2.67 2.75	0 720 0.00% 0.18% 0 8,783 0.00% 0.08% 6 720 0.83% 1.63% 0.00 2.75	0 744 0.00% 0.16% 0 9,133 0.00% 0.07% 5 744 0.67% 1.54% 0.00 2.75	1 721 0.14% 0.16% 1 8,802 0.01% 0.07% 25 721 3.47% 1.71% 3.00 2.78	0 744 0.00% 0.15% 0 9,063 0.00% 0.06% 2 744 0.27% 1.59% 0.00 2.78
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 Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month	0 744 0.00% 0.00% 0 9,095 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02% 12 672 1.79% 0.99%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01% 15 743 2.02% 1.34% 0.00	2 720 0.28% 0.10% 3 8,827 0.03% 0.02% 25 720 3.47% 1.88%	1 744 0.13% 0.11% 1 9,157 0.01% 0.02% 14 744 1.88% 1.88%	0 720 0.00% 0.09% 0 8,813 0.00% 0.01% 4 720 0.56% 1.66%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03% 12 744 1.61% 1.65%	6 744 0.81% 0.21% 45 9,024 0.50% 0.09% 17 744 2.28% 1.73%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08% 6 720 0.83% 1.63%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07% 5 744 0.67% 1.54%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07% 25 721 3.47% 1.71% 3.00	0 744 0.00% 0.15% 0 9,063 0.00% 0.06% 2 744 0.27% 1.59%

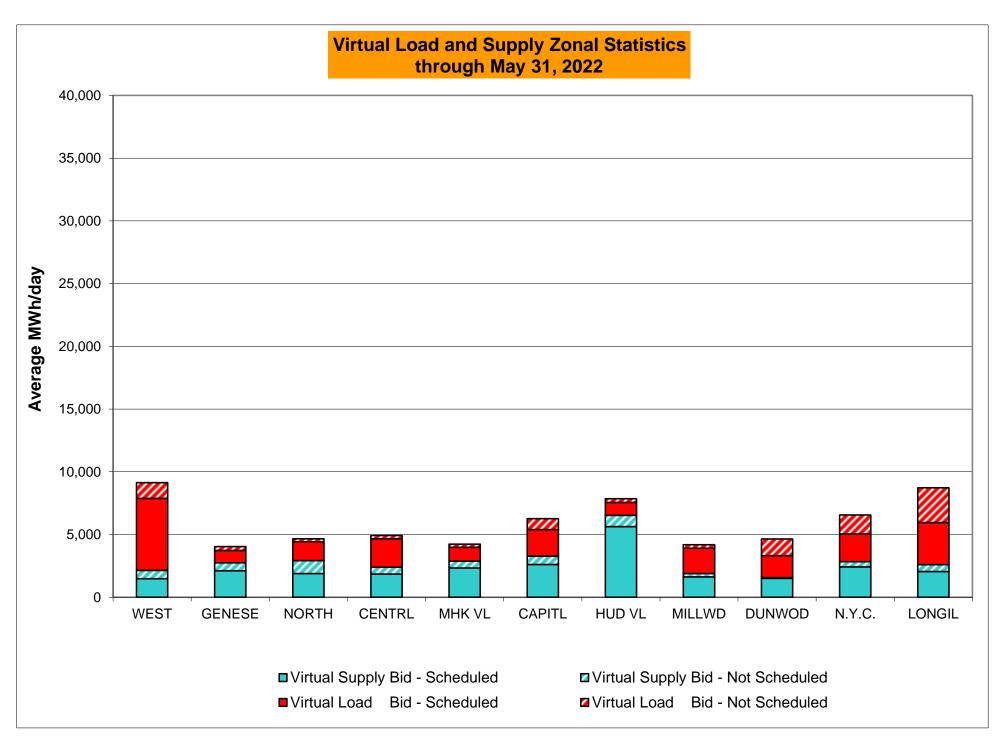
^{*}Calendar days from reservation date; for June 2018 forward, business days from market date



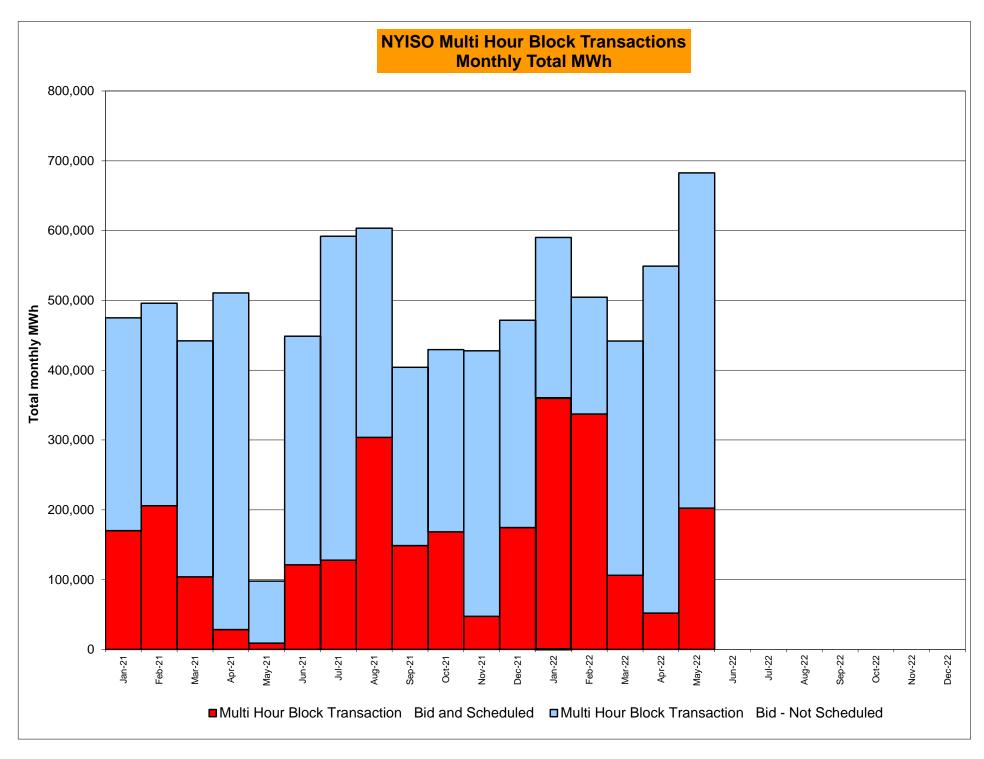


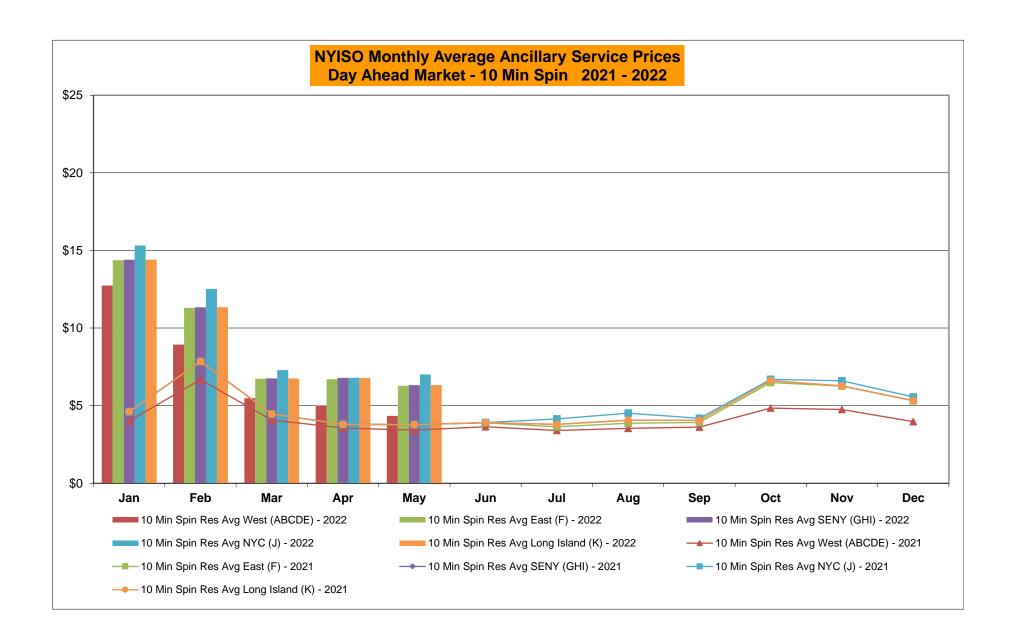
Prepared: 6/9/2022 10:19 AM

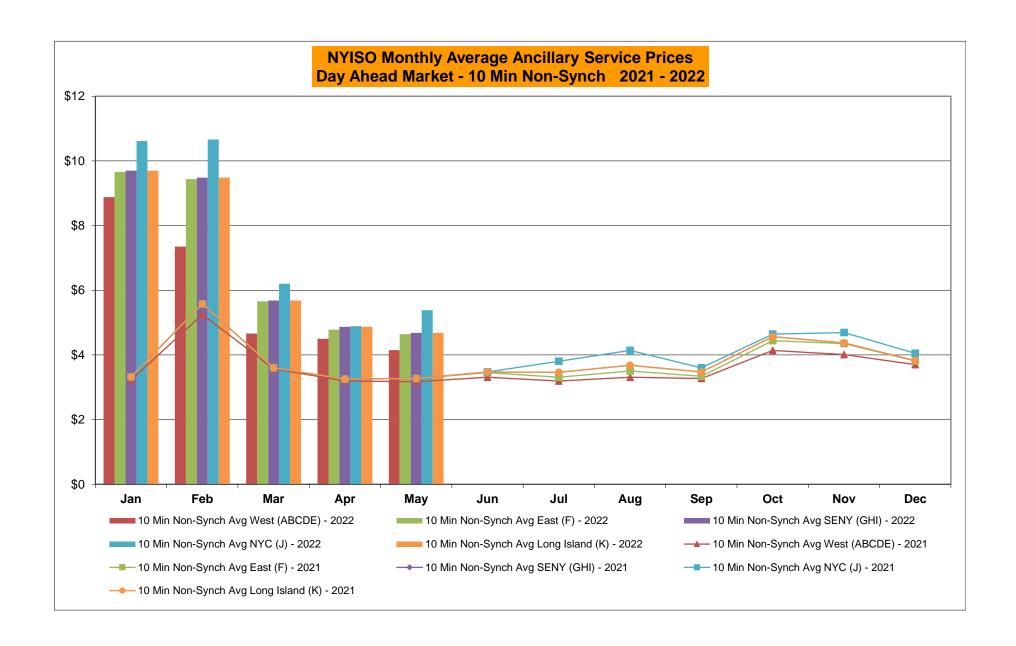


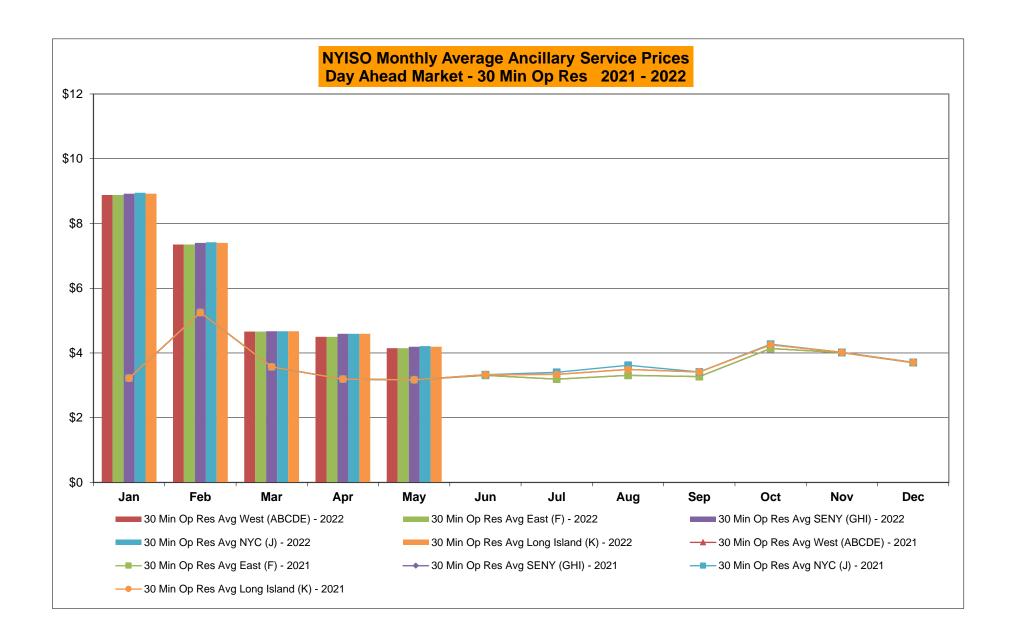


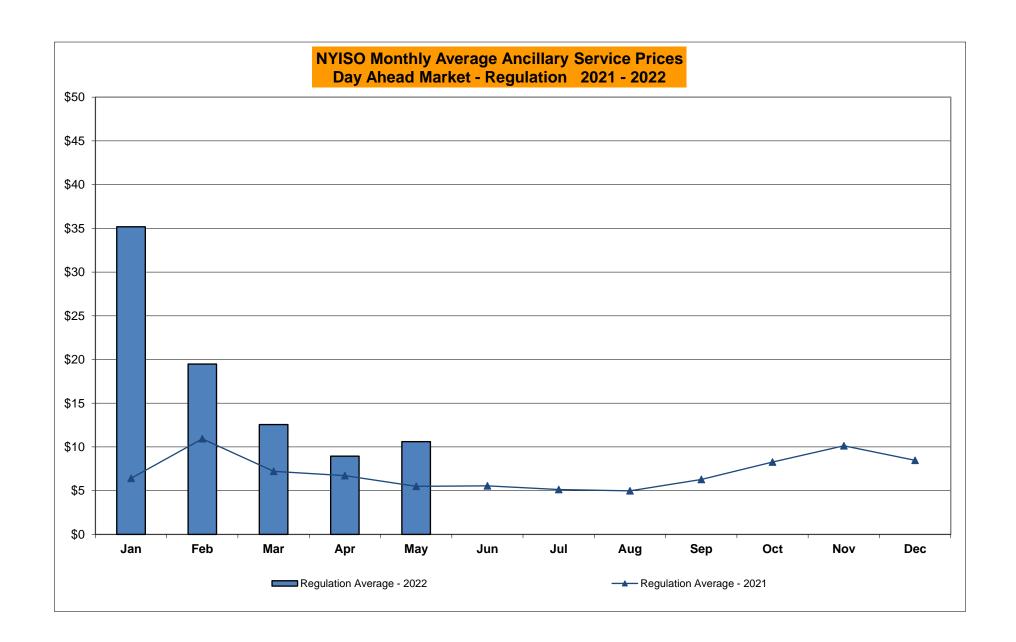
		Virtual L		Virtual S	upply Bid			Virtual L		Virtual Su				Virtual L	oad Bid	Virtual Su	
7	Data	Cala a duda d	Not	Cabadulad	Not	7	Data	Cabadulad	Not Cala adula d	Cala a duda d	Not	7	Data	Cala a duda d	Not Cala adula d	Cala advila d	Not Calcadulad
Zone WEST	Date Jan-22		Scheduled 1,900	Scheduled 2,076	Scheduled 1,276	Zone MHK VL	Date Jan-22	Scheduled 722	Scheduled 621	Scheduled 1,245	Scheduled 204	Zone DUNWOD	Date Jan-22	Scheduled 1,376	Scheduled 1,851	Scheduled 652	Scheduled 54
WLSI	Feb-22		1,170	3,027	908	WILLY VE	Feb-22	1,830	386	1,518		DONWOD	Feb-22	1,696		1,218	
	Mar-22	3,702	830	2,480	526		Mar-22	2,263	131	1,506			Mar-22	1,427		1,944	
	Apr-22	3,967	1,016	2,214	402		Apr-22	1,848	208	1,483			Apr-22	2,229		1,219	
	May-22		1,247	1,473	670		May-22	1,108	254	2,338			May-22	1,752			
	Jun-22						Jun-22						Jun-22				
	Jul-22						Jul-22						Jul-22				
	Aug-22						Aug-22						Aug-22				
	Sep-22						Sep-22						Sep-22				
	Oct-22						Oct-22						Oct-22				
	Nov-22						Nov-22						Nov-22				
	Dec-22						Dec-22						Dec-22				<u></u>
GENESE	lon 22	722	464	1.059	210	CAPITL	lon 22	2 526	2,157	749	605	N.Y.C.	Jan-22	2 244	2 270	1 155	240
GENESE	Jan-22 Feb-22	722 853	464 293	1,058 1,560	319 395	CAPITL	Jan-22 Feb-22	2,536 3,700	1,211	1,075		IN. T.C.	Feb-22	2,341 2,889		1,155 1,938	
	Mar-22	1,615	190	1,176	265		Mar-22	2,660	1,045				Mar-22	1,769	· ·		
	Apr-22	1,226	244	1,415	354		Apr-22	1,761	610	2,274	843		Apr-22	1,703		2,720	
	May-22	994	302	2,104	636		May-22	2,118	868	2,609			May-22	2,215		2,425	
	Jun-22		502	2,101	333		Jun-22	2,110		2,000			Jun-22	2,2.0	1,011	2, .20	
	Jul-22						Jul-22						Jul-22				
	Aug-22						Aug-22						Aug-22				
	Sep-22						Sep-22						Sep-22				
	Oct-22						Oct-22						Oct-22				
	Nov-22						Nov-22						Nov-22				
	Dec-22						Dec-22						Dec-22				
NORTH	Jan-22	938	469	1,778	643	HUD VL	Jan-22	1,062	1,130	3,738	1,083	LONGIL	Jan-22	4,217	2,685	601	241
	Feb-22	1,019	231	1,899	887		Feb-22	1,288	390	5,143	1,806		Feb-22	4,110	1,658	1,021	355
	Mar-22		148	2,020	699		Mar-22		308				Mar-22				
	Apr-22		165	2,180	885		Apr-22		172	,			Apr-22	4,736			
	May-22		233	1,889	1,039		May-22	1,035	300	5,637	889		May-22	3,361	2,766	2,045	554
	Jun-22						Jun-22						Jun-22				
	Jul-22						Jul-22						Jul-22				
	Aug-22						Aug-22						Aug-22				<u> </u>
	Sep-22						Sep-22						Sep-22				
	Oct-22						Oct-22						Oct-22 Nov-22				
	Nov-22 Dec-22						Nov-22 Dec-22						Dec-22				
	Dec-22						Dec-22						Dec-22				
CENTRL	Jan-22		1,284	1,104	364	MILLWD			654	867		NYISO	Jan-22	19,089		15,023	
	Feb-22		499	1,780	409		Feb-22	1,805	462	1,367			Feb-22	23,629			
	Mar-22		251	1,490	338		Mar-22	1,413	234	2,038			Mar-22	25,823		25,430	
	Apr-22		390	1,415	307	_	Apr-22			·			Apr-22				
	May-22		267	1,845	543	_	May-22		277	1,628	269		May-22		9,366	25,500	6,269
	Jun-22					_	Jun-22						Jun-22				
	Jul-22					_	Jul-22						Jul-22				
	Aug-22					_	Aug-22						Aug-22				
	Sep-22 Oct-22					_	Sep-22 Oct-22				 		Sep-22 Oct-22				
	Nov-22					_	Nov-22						Nov-22				
	Dec-22					$\overline{}$	Dec-22						Dec-22				

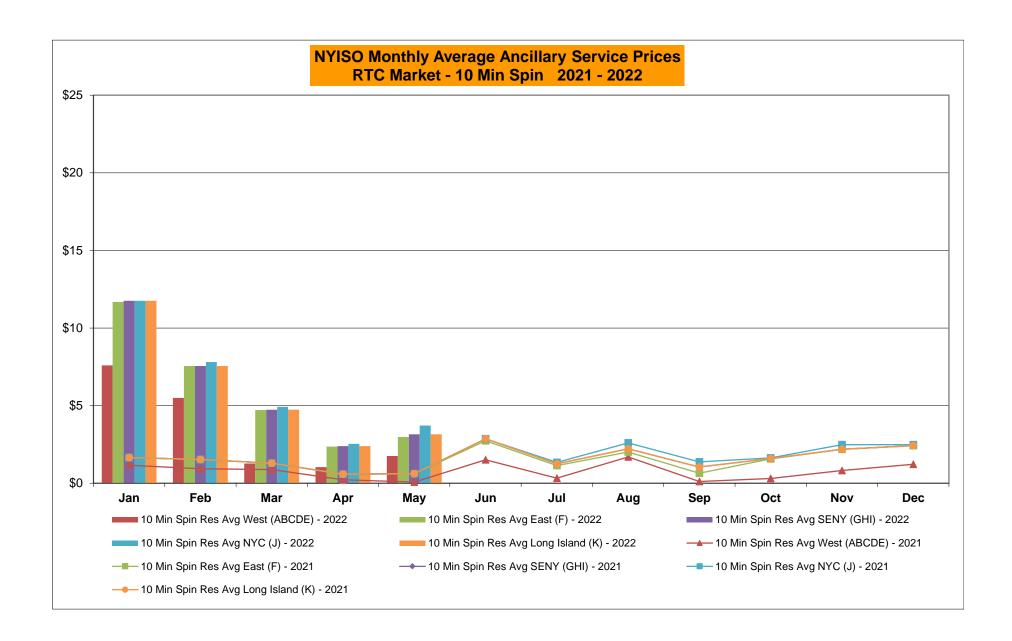


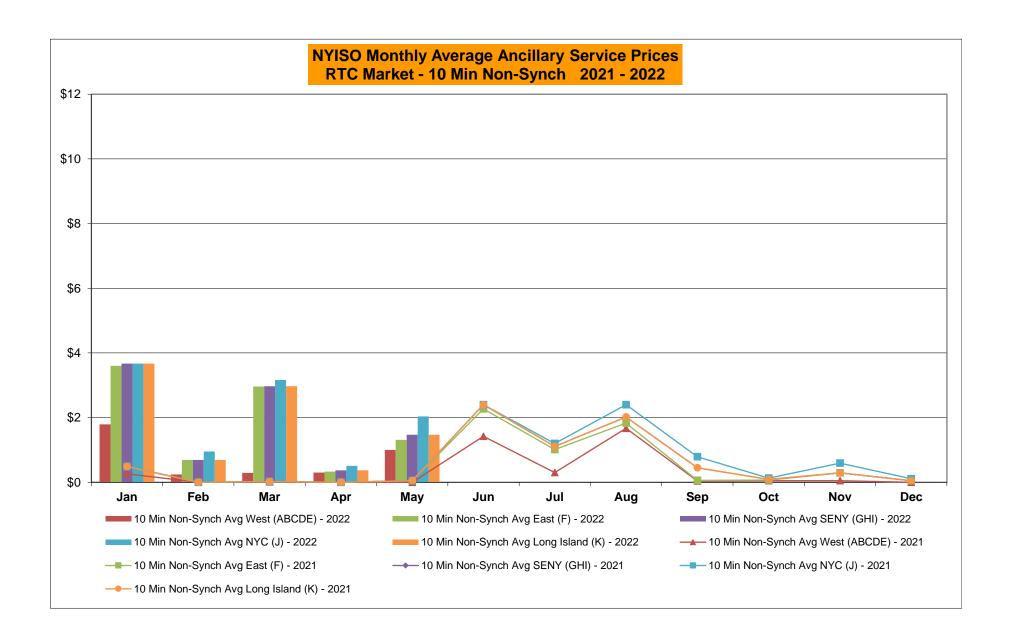


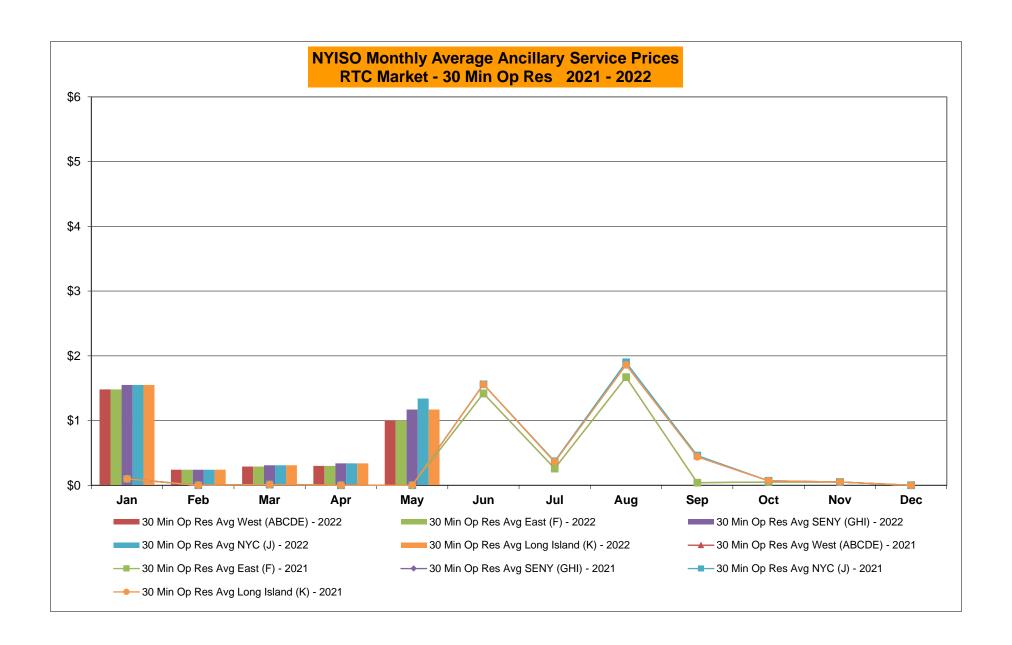


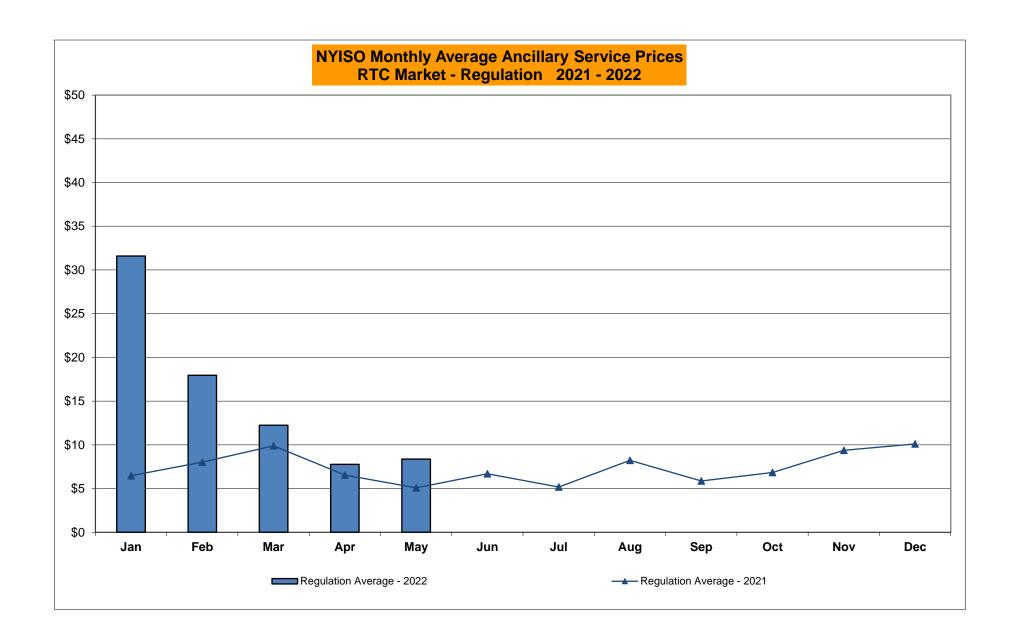


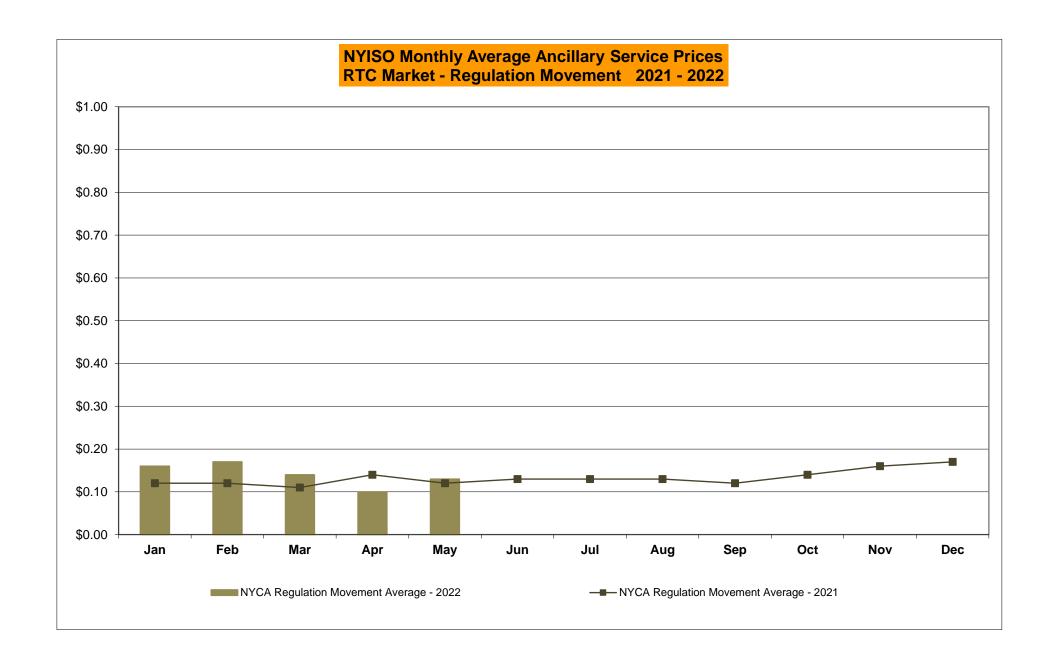


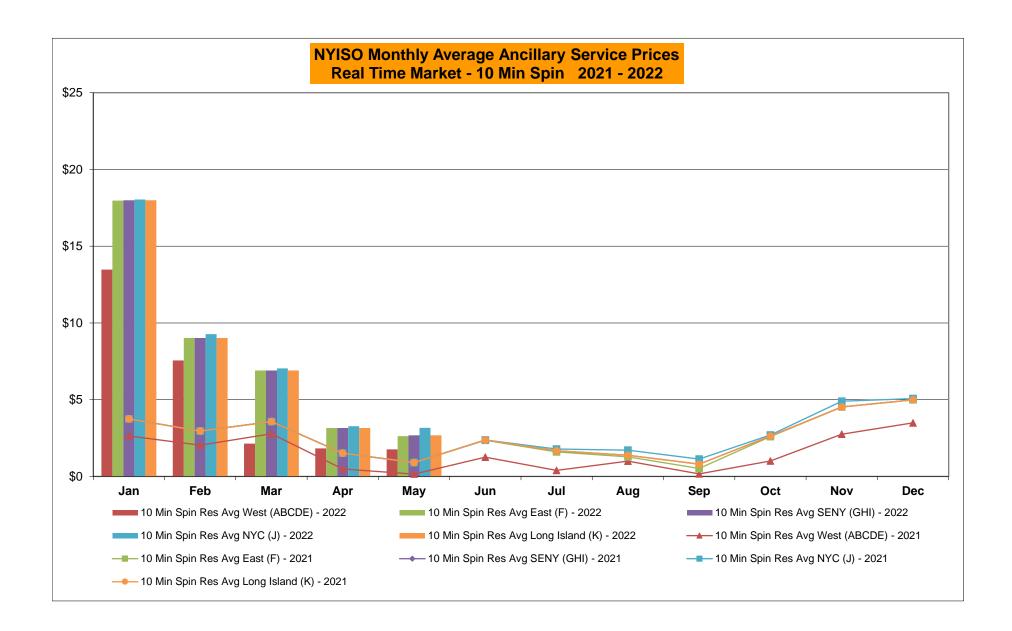


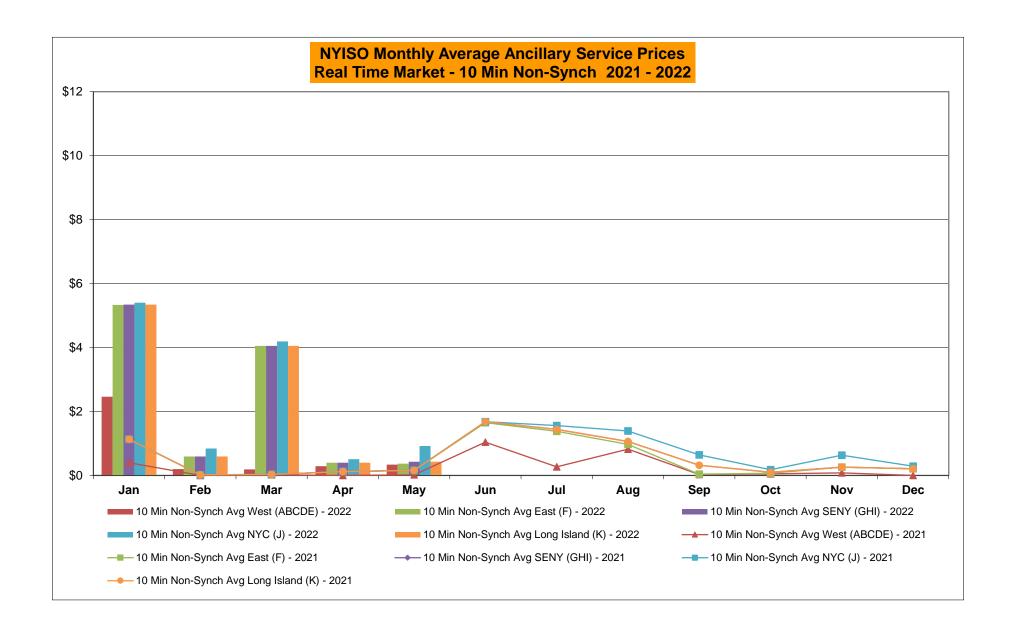


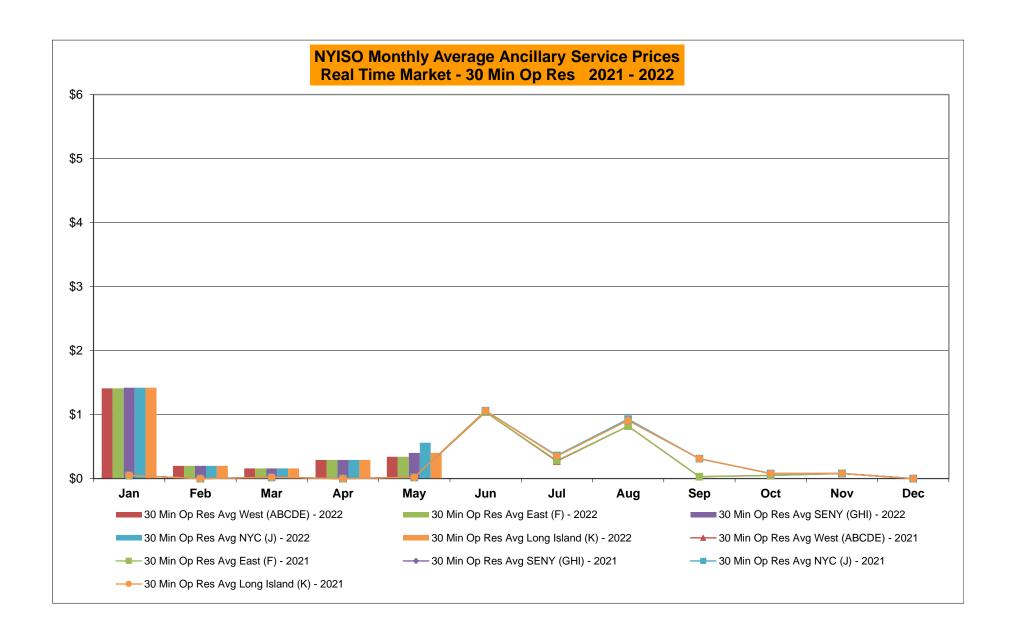


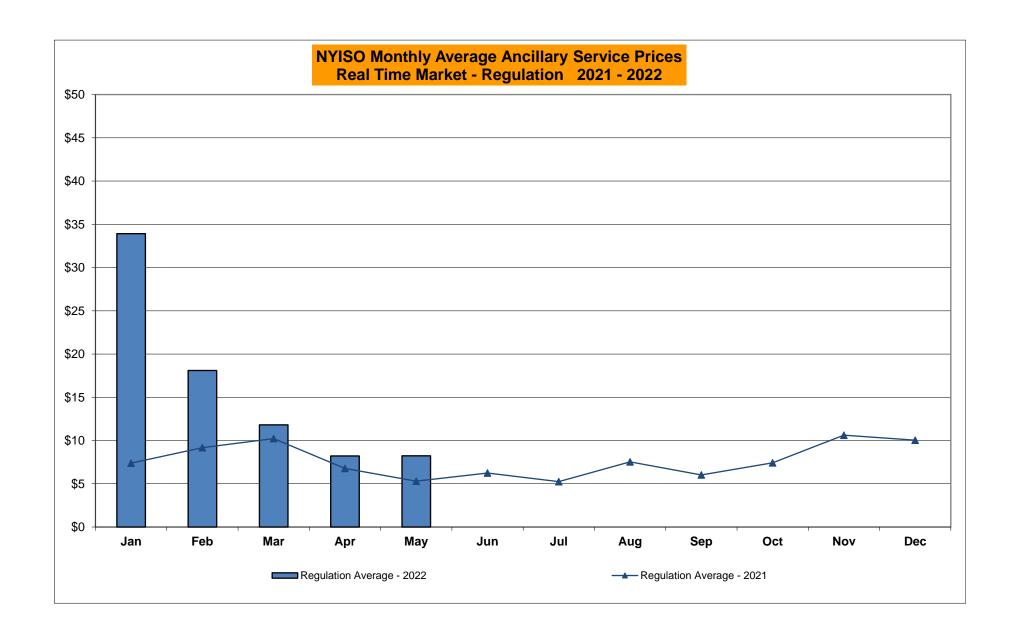


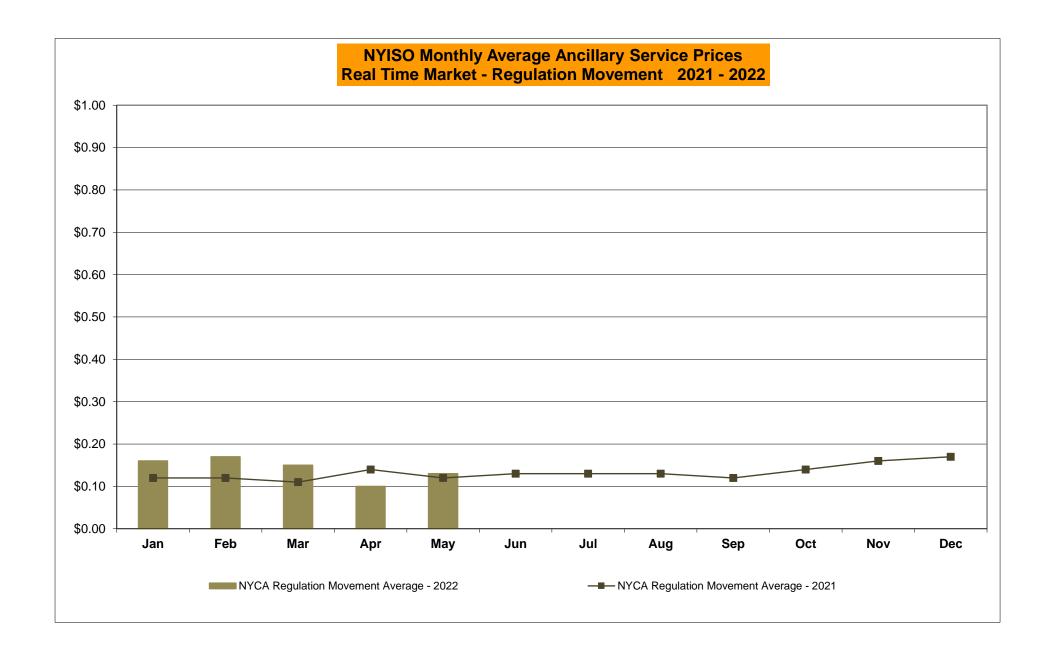












NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - DAM

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>	November	<u>December</u>
<u>Day Ahead Market</u> 10 Min Spin Long Island (K)	14.40	11.34	6.76	6.79	6.32							
10 Min Spin NYC (J)	15.32	12.52	7.29	6.80	7.01							
10 Min Spin SENY (GHI)	14.40	11.34	6.76	6.79	6.32							
10 Min Spin East (F)	14.37	11.30	6.74	6.70	6.28							
10 Min Spin West (ABCDE)	12.74	8.93	5.48	5.01	4.34							
10 Min Non Synch Long Island (K)	9.70	9.48	5.68	4.87	4.68							
10 Min Non Synch NYC (J)	10.61	10.66	6.20	4.89	5.38							
10 Min Non Synch SENY (GHI)	9.70	9.48	5.68	4.87	4.68							
10 Min Non Synch East (F)	9.66	9.44	5.66	4.78	4.64							
10 Min Non Synch West (ABCDE)	9.00 8.88	7.35	4.66	4.50	4.15							
· · · · · · · · · · · · · · · · · · ·	8.92	7.35 7.40	4.67		4.15 4.19							
30 Min Long Island (K)				4.59								
30 Min NYC (J)	8.95	7.42	4.67	4.59	4.21							
30 Min SENY (GHI)	8.92	7.40	4.67	4.59	4.19							
30 Min East (F)	8.88	7.35	4.66	4.50	4.15							
30 Min West (ABCDE)	8.88	7.35	4.66	4.50	4.15							
Regulation	35.17	19.48	12.56	8.94	10.61							
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>	<u>September</u>	<u>October</u>	November	<u>December</u>
Day Ahead Market	-	-							•			
<u>Day Ahead Market</u> 10 Min Spin Long Island (K)	4.61	7.85	4.46	3.80	3.78	3.91	3.80	4.06	4.05	6.61	6.27	5.33
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J)	4.61 4.68	7.85 8.01	4.46 4.46	3.80 3.81	3.78 3.80	3.91 4.38	3.80 4.14	4.06 4.51	4.05 4.19	6.61 6.69	6.27 6.60	5.33 5.56
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	4.61 4.68 4.61	7.85 8.01 7.85	4.46 4.46 4.46	3.80 3.81 3.80	3.78 3.80 3.78	3.91 4.38 3.91	3.80 4.14 3.80	4.06 4.51 4.06	4.05 4.19 4.05	6.61 6.69 6.61	6.27 6.60 6.27	5.33 5.56 5.33
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	4.61 4.68 4.61 4.61	7.85 8.01 7.85 7.85	4.46 4.46 4.46 4.46	3.80 3.81 3.80 3.80	3.78 3.80 3.78 3.78	3.91 4.38 3.91 3.89	3.80 4.14 3.80 3.64	4.06 4.51 4.06 3.87	4.05 4.19 4.05 3.92	6.61 6.69 6.61 6.49	6.27 6.60 6.27 6.26	5.33 5.56 5.33 5.32
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)	4.61 4.68 4.61 4.61 4.01	7.85 8.01 7.85 7.85 6.68	4.46 4.46 4.46 4.46 4.07	3.80 3.81 3.80 3.80 3.56	3.78 3.80 3.78 3.78 3.43	3.91 4.38 3.91 3.89 3.64	3.80 4.14 3.80 3.64 3.40	4.06 4.51 4.06 3.87 3.54	4.05 4.19 4.05 3.92 3.62	6.61 6.69 6.61 6.49 4.84	6.27 6.60 6.27 6.26 4.75	5.33 5.56 5.33 5.32 3.97
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)	4.61 4.68 4.61 4.61 4.01 3.32	7.85 8.01 7.85 7.85 6.68 5.58	4.46 4.46 4.46 4.07 3.60	3.80 3.81 3.80 3.80 3.56 3.25	3.78 3.80 3.78 3.78 3.43 3.27	3.91 4.38 3.91 3.89 3.64 3.47	3.80 4.14 3.80 3.64 3.40 3.46	4.06 4.51 4.06 3.87 3.54 3.68	4.05 4.19 4.05 3.92 3.62 3.47	6.61 6.69 6.61 6.49 4.84 4.56	6.27 6.60 6.27 6.26 4.75 4.37	5.33 5.56 5.33 5.32 3.97 3.82
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)	4.61 4.68 4.61 4.61 4.01 3.32 3.40	7.85 8.01 7.85 7.85 6.68 5.58 5.74	4.46 4.46 4.46 4.07 3.60 3.60	3.80 3.81 3.80 3.80 3.56 3.25 3.26	3.78 3.80 3.78 3.78 3.43 3.27 3.30	3.91 4.38 3.91 3.89 3.64 3.47 3.93	3.80 4.14 3.80 3.64 3.40 3.46 3.80	4.06 4.51 4.06 3.87 3.54 3.68 4.14	4.05 4.19 4.05 3.92 3.62 3.47 3.60	6.61 6.69 6.61 6.49 4.84 4.56 4.64	6.27 6.60 6.27 6.26 4.75 4.37 4.69	5.33 5.56 5.33 5.32 3.97 3.82 4.05
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32	7.85 8.01 7.85 7.85 6.68 5.58 5.74	4.46 4.46 4.46 4.07 3.60 3.60 3.60	3.80 3.81 3.80 3.80 3.56 3.25 3.26 3.25	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47	6.61 6.69 6.61 6.49 4.84 4.56 4.64	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82
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)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.32	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58	4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.60	3.80 3.81 3.80 3.56 3.25 3.25 3.25 3.25	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.27	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46 3.31	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81
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)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.32 3.22	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58 5.25	4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.57	3.80 3.81 3.80 3.56 3.25 3.26 3.25 3.25 3.19	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.27 3.17	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45 3.31	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46 3.31 3.19	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50 3.31	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34 3.27	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37 4.35 4.01	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81 3.70
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)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.32 3.22 3.22	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58 5.25	4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.57 3.57	3.80 3.81 3.80 3.56 3.25 3.26 3.25 3.25 3.19 3.19	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.27 3.17 3.17	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45 3.31 3.33	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46 3.31 3.19 3.34	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50 3.31 3.49	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34 3.27 3.41	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44 4.14	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37 4.35 4.01 4.02	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.81 3.70 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) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.22 3.22 3.22 3.22	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58 5.25 5.25	4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.57 3.57	3.80 3.81 3.80 3.56 3.25 3.26 3.25 3.25 3.19 3.19 3.19	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.27 3.17 3.17 3.18	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45 3.31 3.33 3.53	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46 3.31 3.19 3.34 3.40	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50 3.31 3.49 3.62	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34 3.27 3.41 3.41	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44 4.14 4.25 4.27	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37 4.35 4.01 4.02	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81 3.70 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) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min NYC (J) 30 Min SENY (GHI)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.22 3.22 3.22 3.22 3.23	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58 5.25 5.25 5.25	4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.57 3.57 3.57	3.80 3.81 3.80 3.56 3.25 3.26 3.25 3.25 3.19 3.19	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.17 3.17 3.17 3.18 3.17	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45 3.31 3.33 3.53 3.53	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46 3.31 3.19 3.34	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50 3.31 3.49 3.62 3.49	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34 3.27 3.41 3.41	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44 4.14 4.25 4.27 4.25	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37 4.35 4.01 4.02	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81 3.70 3.71 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) 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 SENY (GHI) 30 Min SENY (GHI)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.22 3.22 3.22 3.22 3.22 3.22	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58 5.25 5.25 5.25 5.25 5.25	4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.57 3.57 3.57 3.57	3.80 3.81 3.80 3.56 3.25 3.26 3.25 3.19 3.19 3.19 3.19 3.19	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.17 3.17 3.17 3.18 3.17	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45 3.31 3.33 3.53 3.33 3.33	3.80 4.14 3.80 3.64 3.40 3.46 3.31 3.19 3.34 3.40 3.34 3.19	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50 3.31 3.49 3.62 3.49 3.31	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34 3.27 3.41 3.41 3.41 3.27	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44 4.14 4.25 4.27 4.25 4.14	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37 4.35 4.01 4.02 4.02 4.02	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81 3.70 3.71 3.71 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) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min NYC (J) 30 Min SENY (GHI)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.22 3.22 3.22 3.22 3.23	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58 5.25 5.25 5.25	4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.57 3.57 3.57	3.80 3.81 3.80 3.56 3.25 3.26 3.25 3.19 3.19 3.19 3.19	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.17 3.17 3.17 3.18 3.17	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45 3.31 3.33 3.53 3.53	3.80 4.14 3.80 3.64 3.40 3.46 3.31 3.19 3.34 3.40 3.34	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50 3.31 3.49 3.62 3.49	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34 3.27 3.41 3.41	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44 4.14 4.25 4.27 4.25	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37 4.35 4.01 4.02 4.02	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81 3.70 3.71 3.71

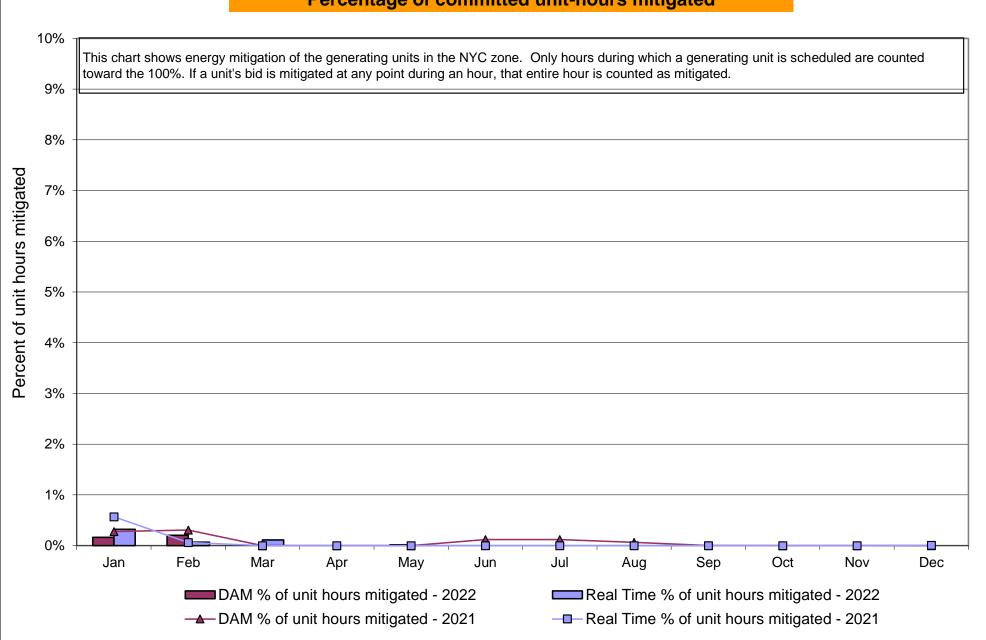
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RTC

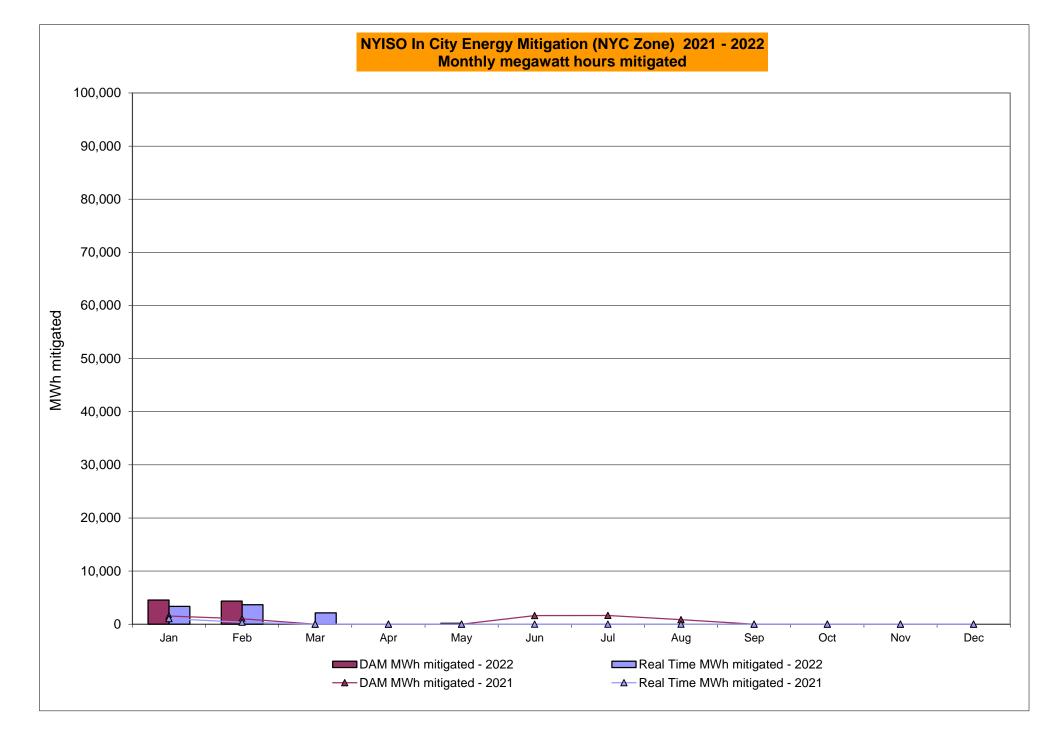
2022 RTC Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
10 Min Spin Long Island (K)	11.75	7.55	4.73	2.39	3.15							
10 Min Spin NYC (J)	11.75	7.81	4.92	2.53	3.72							
10 Min Spin SENY (GHI)	11.75	7.55	4.73	2.39	3.15							
10 Min Spin East (F)	11.68	7.55	4.71	2.36	2.98							
10 Min Spin West (ABCDE)	7.59	5.49	1.27	1.03	1.75							
10 Min Non Synch Long Island (K)	3.67	0.69	2.97	0.37	1.47							
10 Min Non Synch NYC (J)	3.67	0.95	3.16	0.51	2.04							
10 Min Non Synch SENY (GHI)	3.67	0.69	2.97	0.37	1.47							
10 Min Non Synch East (F)	3.60	0.69	2.96	0.33	1.31							
10 Min Non Synch West (ABCDE)	1.79	0.24	0.29	0.30	1.00							
30 Min Long Island (K)	1.55	0.24	0.31	0.34	1.17							
30 Min NYC (J)	1.55	0.24	0.31	0.34	1.34							
30 Min SENY (GHI)	1.55	0.24	0.31	0.34	1.17							
30 Min East (F)	1.48	0.24	0.29	0.30	1.00							
30 Min West (ABCDE)	1.48	0.24	0.29	0.30	1.00							
Regulation	31.59	17.95	12.23	7.77	8.36							
NYCA Regulation Movement	0.16	0.17	0.14	0.10	0.13							
<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>	November	<u>December</u>
RTC Market	•				-							
RTC Market 10 Min Spin Long Island (K)	1.65	1.53	1.29	0.58	0.61	2.86	1.25	2.21	1.04	1.59	2.18	2.42
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J)	1.65 1.65	1.53 1.53	1.29 1.29	0.58 0.58	0.61 0.91	2.86 4.26	1.25 1.34	2.21 2.59	1.04 1.37	1.59 1.63	2.18 2.48	2.42 2.48
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	1.65 1.65 1.65	1.53 1.53 1.53	1.29 1.29 1.29	0.58 0.58 0.58	0.61 0.91 0.61	2.86 4.26 2.86	1.25 1.34 1.25	2.21 2.59 2.21	1.04 1.37 1.04	1.59 1.63 1.59	2.18 2.48 2.18	2.42 2.48 2.42
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	1.65 1.65 1.65 1.65	1.53 1.53 1.53 1.53	1.29 1.29 1.29 1.29	0.58 0.58 0.58 0.58	0.61 0.91 0.61 0.61	2.86 4.26 2.86 2.73	1.25 1.34 1.25 1.14	2.21 2.59 2.21 2.01	1.04 1.37 1.04 0.64	1.59 1.63 1.59 1.57	2.18 2.48 2.18 2.18	2.42 2.48 2.42 2.42
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	1.65 1.65 1.65 1.65 1.16	1.53 1.53 1.53 1.53 0.93	1.29 1.29 1.29 1.29 0.88	0.58 0.58 0.58 0.58 0.22	0.61 0.91 0.61 0.61 0.07	2.86 4.26 2.86 2.73 1.51	1.25 1.34 1.25 1.14 0.32	2.21 2.59 2.21 2.01 1.69	1.04 1.37 1.04 0.64 0.11	1.59 1.63 1.59 1.57 0.30	2.18 2.48 2.18 2.18 0.82	2.42 2.48 2.42 2.42 1.22
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K)	1.65 1.65 1.65 1.65 1.16 0.49	1.53 1.53 1.53 1.53 0.93 0.00	1.29 1.29 1.29 1.29 0.88 0.02	0.58 0.58 0.58 0.58 0.22 0.00	0.61 0.91 0.61 0.61 0.07 0.05	2.86 4.26 2.86 2.73 1.51 2.40	1.25 1.34 1.25 1.14 0.32 1.11	2.21 2.59 2.21 2.01 1.69 2.02	1.04 1.37 1.04 0.64 0.11 0.45	1.59 1.63 1.59 1.57 0.30 0.09	2.18 2.48 2.18 2.18 0.82 0.29	2.42 2.48 2.42 2.42 1.22 0.05
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J)	1.65 1.65 1.65 1.65 1.16 0.49 0.49	1.53 1.53 1.53 1.53 0.93 0.00 0.00	1.29 1.29 1.29 1.29 0.88 0.02 0.02	0.58 0.58 0.58 0.58 0.22 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35	2.86 4.26 2.86 2.73 1.51 2.40 3.80	1.25 1.34 1.25 1.14 0.32 1.11 1.20	2.21 2.59 2.21 2.01 1.69 2.02 2.40	1.04 1.37 1.04 0.64 0.11 0.45 0.79	1.59 1.63 1.59 1.57 0.30 0.09 0.13	2.18 2.48 2.18 2.18 0.82 0.29 0.59	2.42 2.48 2.42 2.42 1.22 0.05 0.11
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI)	1.65 1.65 1.65 1.65 1.16 0.49 0.49	1.53 1.53 1.53 1.53 0.93 0.00 0.00	1.29 1.29 1.29 1.29 0.88 0.02 0.02	0.58 0.58 0.58 0.58 0.22 0.00 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02	1.04 1.37 1.04 0.64 0.11 0.45 0.79	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.29	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.49	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.29 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05 0.00
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.49 0.26 0.10	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02 0.01	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05 0.00	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42 1.56	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30 0.36	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67 1.86	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.05 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05 0.00
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.26 0.10	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00 0.00	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02 0.01 0.01	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00 0.00 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05 0.00 0.00	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42 1.56 2.34	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30 0.36 0.37	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67 1.86 1.90	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04 0.44	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05 0.07	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.29 0.05 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05 0.00 0.00
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min Long Island (K) 30 Min SENY (GHI)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.26 0.10 0.10	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02 0.01 0.01 0.01 0.01	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05 0.00 0.00	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42 1.56 2.34 1.56	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30 0.36 0.37 0.36	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67 1.86 1.90 1.86	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04 0.44	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05 0.07 0.07	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.05 0.05 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05 0.00 0.00
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.26 0.10 0.10	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02 0.01 0.01 0.01 0.01	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05 0.00 0.00 0.12 0.00	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42 1.56 2.34 1.56 1.42	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30 0.36 0.37 0.36 0.26	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67 1.86 1.90 1.86 1.67	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04 0.44 0.46 0.44	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05 0.07 0.07 0.07	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.05 0.05 0.05 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05 0.00 0.00 0.00
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F) 30 Min East (F)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.26 0.10 0.10 0.10	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02 0.01 0.01 0.01 0.01	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05 0.00 0.00 0.12 0.00 0.00	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42 1.56 2.34 1.56 1.42	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30 0.36 0.37 0.36 0.26	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67 1.86 1.90 1.86 1.67	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04 0.44 0.46 0.44 0.04	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05 0.07 0.05 0.07 0.05 0.05	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.05 0.05 0.05 0.05 0.05 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05 0.00 0.00 0.00 0.00
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.26 0.10 0.10	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02 0.01 0.01 0.01 0.01	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05 0.00 0.00 0.12 0.00	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42 1.56 2.34 1.56 1.42	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30 0.36 0.37 0.36 0.26	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67 1.86 1.90 1.86 1.67	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04 0.44 0.46 0.44	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05 0.07 0.07 0.07	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.05 0.05 0.05 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05 0.00 0.00 0.00

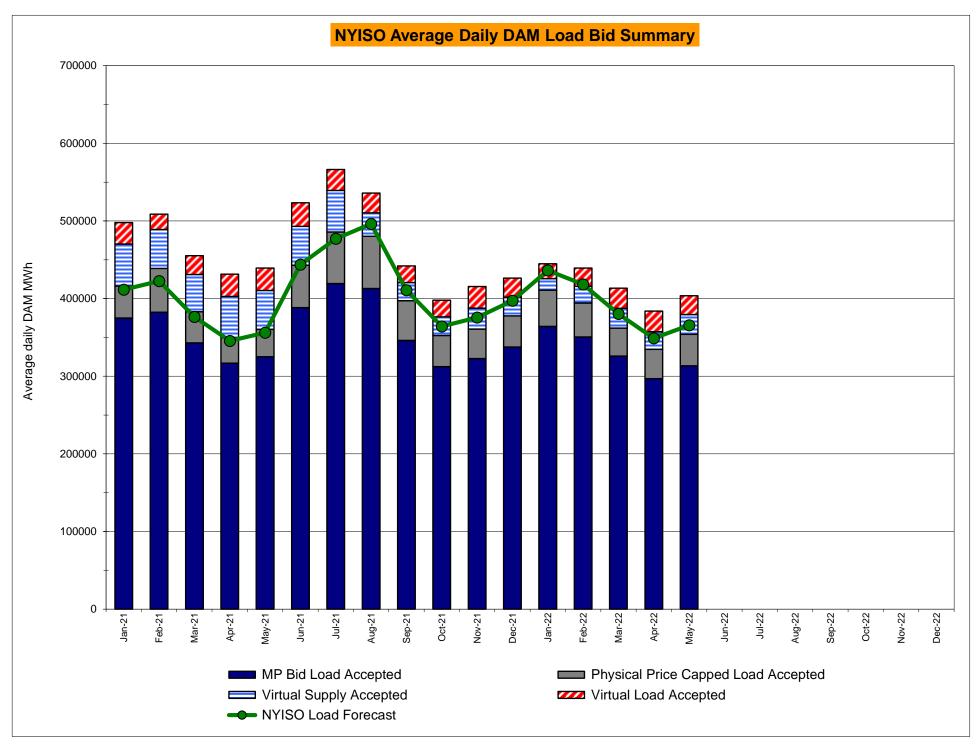
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RT

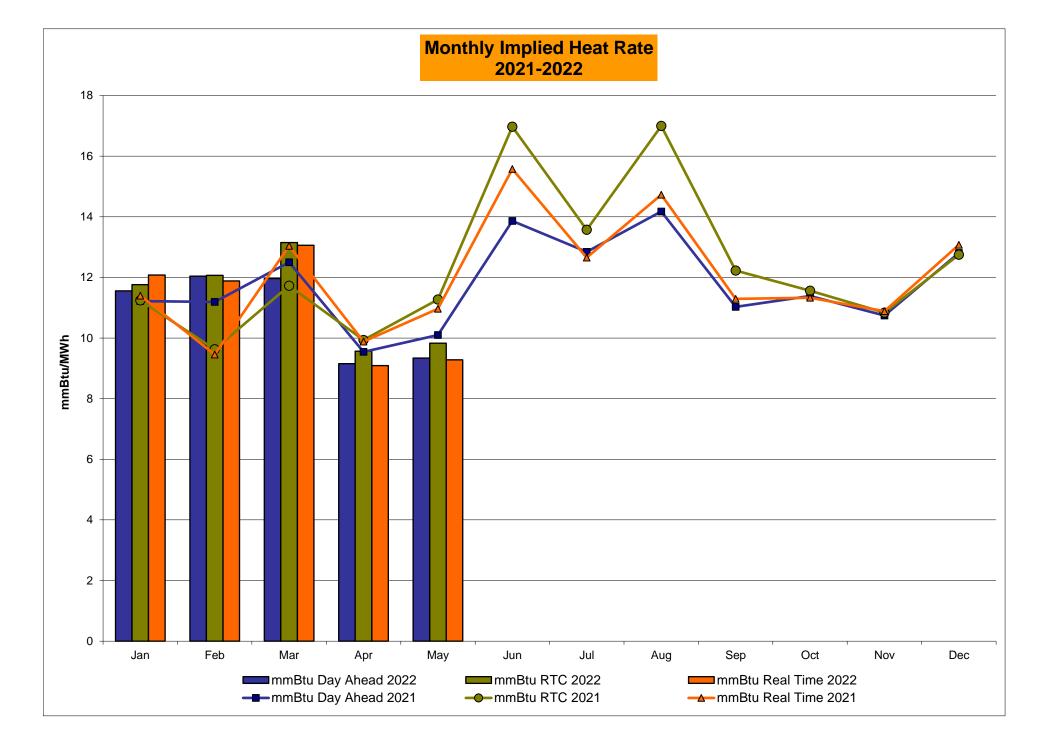
2022 Real Time Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
10 Min Spin Long Island (K)	17.99	9.02	6.90	3.15	2.68							
10 Min Spin NYC (J)	18.04	9.27	7.04	3.27	3.17							
10 Min Spin SENY (GHI)	17.99	9.02	6.90	3.15	2.68							
10 Min Spin East (F)	17.97	9.02	6.90	3.15	2.62							
10 Min Spin West (ABCDE)	13.47	7.56	2.14	1.83	1.76							
10 Min Non Synch Long Island (K)	5.34	0.59	4.05	0.40	0.43							
10 Min Non Synch NYC (J)	5.40	0.84	4.19	0.51	0.92							
10 Min Non Synch SENY (GHI)	5.34	0.59	4.05	0.40	0.43							
10 Min Non Synch East (F)	5.33	0.59	4.05	0.40	0.37							
10 Min Non Synch West (ABCDE)	2.46	0.20	0.19	0.29	0.34							
30 Min Long Island (K)	1.42	0.20	0.16	0.29	0.40							
30 Min NYC (J)	1.42	0.20	0.16	0.29	0.56							
30 Min SENY (GHI)	1.42	0.20	0.16	0.29	0.40							
30 Min East (F)	1.41	0.20	0.16	0.29	0.34							
30 Min West (ABCDE)	1.41	0.20	0.16	0.29	0.34							
Regulation	33.92	18.10	11.81	8.22	8.23							
NYCA Regulation Movement	0.16	0.17	0.15	0.10	0.13							
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>	<u>September</u>	<u>October</u>	November	<u>December</u>
Real Time Market	•	•			-			_				
Real Time Market 10 Min Spin Long Island (K)	3.75	2.96	3.57	1.51	0.90	2.38	1.67	1.38	0.80	2.62	4.53	4.99
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J)	3.75 3.75	2.96 2.96	3.57 3.57	1.51 1.51	0.90 1.16	2.38 3.77	1.67 1.78	1.38 1.71	0.80 1.13	2.62 2.70	4.53 4.90	4.99 5.07
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	3.75 3.75 3.75	2.96 2.96 2.96	3.57 3.57 3.57	1.51 1.51 1.51	0.90 1.16 0.90	2.38 3.77 2.38	1.67 1.78 1.67	1.38 1.71 1.38	0.80 1.13 0.80	2.62 2.70 2.62	4.53 4.90 4.53	4.99 5.07 4.99
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	3.75 3.75 3.75 3.75	2.96 2.96 2.96 2.96	3.57 3.57 3.57 3.57	1.51 1.51 1.51 1.51	0.90 1.16 0.90 0.90	2.38 3.77 2.38 2.35	1.67 1.78 1.67 1.60	1.38 1.71 1.38 1.28	0.80 1.13 0.80 0.52	2.62 2.70 2.62 2.59	4.53 4.90 4.53 4.53	4.99 5.07 4.99 4.99
Real Time 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)	3.75 3.75 3.75 3.75 2.64	2.96 2.96 2.96 2.96 2.03	3.57 3.57 3.57 3.57 2.78	1.51 1.51 1.51 1.51 0.49	0.90 1.16 0.90 0.90 0.15	2.38 3.77 2.38 2.35 1.25	1.67 1.78 1.67 1.60 0.39	1.38 1.71 1.38 1.28 0.99	0.80 1.13 0.80 0.52 0.16	2.62 2.70 2.62 2.59 1.01	4.53 4.90 4.53 4.53 2.75	4.99 5.07 4.99 4.99 3.49
Real Time 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)	3.75 3.75 3.75 3.75 2.64 1.13	2.96 2.96 2.96 2.96 2.03 0.02	3.57 3.57 3.57 3.57 2.78 0.03	1.51 1.51 1.51 1.51 0.49 0.12	0.90 1.16 0.90 0.90 0.15 0.16	2.38 3.77 2.38 2.35 1.25 1.68	1.67 1.78 1.67 1.60 0.39 1.44	1.38 1.71 1.38 1.28 0.99 1.06	0.80 1.13 0.80 0.52 0.16 0.32	2.62 2.70 2.62 2.59 1.01 0.10	4.53 4.90 4.53 4.53 2.75 0.26	4.99 5.07 4.99 4.99 3.49 0.21
Real Time 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)	3.75 3.75 3.75 3.75 2.64 1.13	2.96 2.96 2.96 2.96 2.03 0.02 0.02	3.57 3.57 3.57 3.57 2.78 0.03 0.03	1.51 1.51 1.51 1.51 0.49 0.12 0.12	0.90 1.16 0.90 0.90 0.15 0.16 0.42	2.38 3.77 2.38 2.35 1.25 1.68 3.07	1.67 1.78 1.67 1.60 0.39 1.44 1.56	1.38 1.71 1.38 1.28 0.99 1.06 1.39	0.80 1.13 0.80 0.52 0.16 0.32 0.64	2.62 2.70 2.62 2.59 1.01 0.10 0.18	4.53 4.90 4.53 4.53 2.75 0.26 0.63	4.99 5.07 4.99 4.99 3.49 0.21 0.29
Real Time 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)	3.75 3.75 3.75 3.75 2.64 1.13 1.13	2.96 2.96 2.96 2.96 2.03 0.02 0.02	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03	1.51 1.51 1.51 1.51 0.49 0.12 0.12	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68	1.67 1.78 1.67 1.60 0.39 1.44 1.56	1.38 1.71 1.38 1.28 0.99 1.06 1.39	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21
Real Time 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)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13	2.96 2.96 2.96 2.96 2.03 0.02 0.02 0.02	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.16	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10 0.07	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26 0.26	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.21
Real Time 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)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13 0.40	2.96 2.96 2.96 2.96 2.03 0.02 0.02 0.02 0.02	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.03	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.16 0.02	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65 1.04	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44 1.38 0.27	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97 0.82	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10 0.07	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26 0.26 0.08	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.21 0.00
Real Time 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)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13 0.40 0.05	2.96 2.96 2.96 2.03 0.02 0.02 0.02 0.02 0.00 0.00	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.02 0.02	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12 0.00 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.16 0.02	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65 1.04	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44 1.38 0.27 0.35	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97 0.82 0.91	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10 0.07 0.05 0.08	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26 0.26 0.08	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.00 0.00
Real Time 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)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13 0.40 0.05 0.05	2.96 2.96 2.96 2.96 2.03 0.02 0.02 0.02 0.02 0.00 0.00	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.02 0.02	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12 0.00 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.16 0.02 0.02	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65 1.04 1.06 1.84	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44 1.38 0.27 0.35 0.36	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97 0.82 0.91 0.93	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03 0.31	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10 0.07 0.05 0.08	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26 0.26 0.08 0.08	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.21 0.00 0.00
Real Time 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 Long Island (K) 30 Min SENY (GHI)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13 0.40 0.05 0.05	2.96 2.96 2.96 2.96 2.03 0.02 0.02 0.02 0.02 0.00 0.00 0.00	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.02 0.02 0.02	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12 0.00 0.00 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.02 0.02 0.02	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65 1.04 1.06 1.84 1.06	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44 1.38 0.27 0.35 0.36 0.35	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97 0.82 0.91 0.93 0.91	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03 0.31	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10 0.07 0.05 0.08 0.08	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26 0.26 0.08 0.08	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.00 0.00 0.00
Real Time 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) 30 Min SENY (GHI)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13 0.40 0.05 0.05 0.05	2.96 2.96 2.96 2.96 2.03 0.02 0.02 0.02 0.02 0.00 0.00 0.00	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.02 0.02 0.02 0.02	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12 0.00 0.00 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.16 0.02 0.02 0.02 0.02	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65 1.04 1.06 1.84 1.06 1.04	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44 1.38 0.27 0.35 0.35 0.36	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97 0.82 0.91 0.93 0.91 0.82	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03 0.31 0.31 0.31	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10 0.07 0.05 0.08 0.08 0.08	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26 0.26 0.08 0.08	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.00 0.00 0.00 0.00
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F) 30 Min West (ABCDE)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13 0.40 0.05 0.05 0.05 0.05	2.96 2.96 2.96 2.96 2.03 0.02 0.02 0.02 0.00 0.00 0.00 0.00	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.02 0.02 0.02 0.02	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.00 0.00 0.00 0.00 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.16 0.02 0.02 0.02 0.02 0.02	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65 1.04 1.06 1.84 1.06 1.04 1.04	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44 1.38 0.27 0.35 0.36 0.35 0.28	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97 0.82 0.91 0.93 0.91 0.82 0.82	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03 0.31 0.31 0.31 0.03	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10 0.07 0.05 0.08 0.08 0.08 0.05 0.05	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26 0.08 0.08 0.08 0.08	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.00 0.00 0.00 0.00
Real Time 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) 30 Min SENY (GHI)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13 0.40 0.05 0.05 0.05	2.96 2.96 2.96 2.96 2.03 0.02 0.02 0.02 0.02 0.00 0.00 0.00	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.02 0.02 0.02 0.02	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12 0.00 0.00 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.16 0.02 0.02 0.02 0.02	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65 1.04 1.06 1.84 1.06 1.04	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44 1.38 0.27 0.35 0.35 0.36	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97 0.82 0.91 0.93 0.91 0.82	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03 0.31 0.31 0.31	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10 0.07 0.05 0.08 0.08 0.08	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26 0.26 0.08 0.08	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.00 0.00 0.00 0.00

NYISO In City Energy Mitigation - AMP (NYC Zone) 2021 - 2022 Percentage of committed unit-hours mitigated

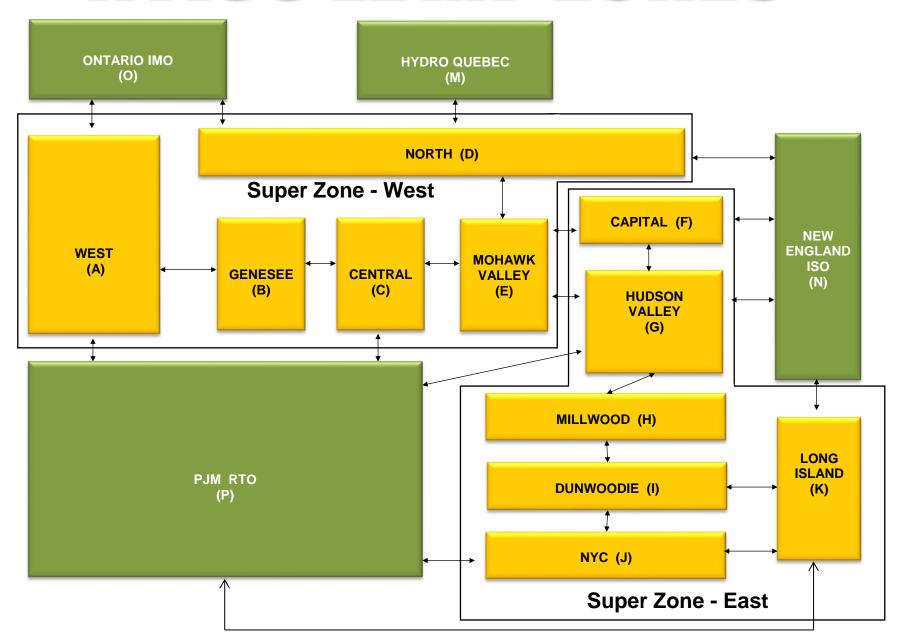








NYISO LBMP ZONES



Billing Codes for Chart C

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

Our Mission & Vision



Mission

Ensure power system reliability and competitive markets for New York in a clean energy future



Vision

Working together with stakeholders to build the cleanest, most reliable electric system in the nation

