

# NYISO CEO/COO Report

### Rich Dewey

President & Chief Executive Officer

#### **Rick Gonzales**

Senior Vice President & Chief Operating Officer

#### **Management Committee Meeting**

October 26, 2022 Rensselaer, NY

## NYISO CEO/COO Report

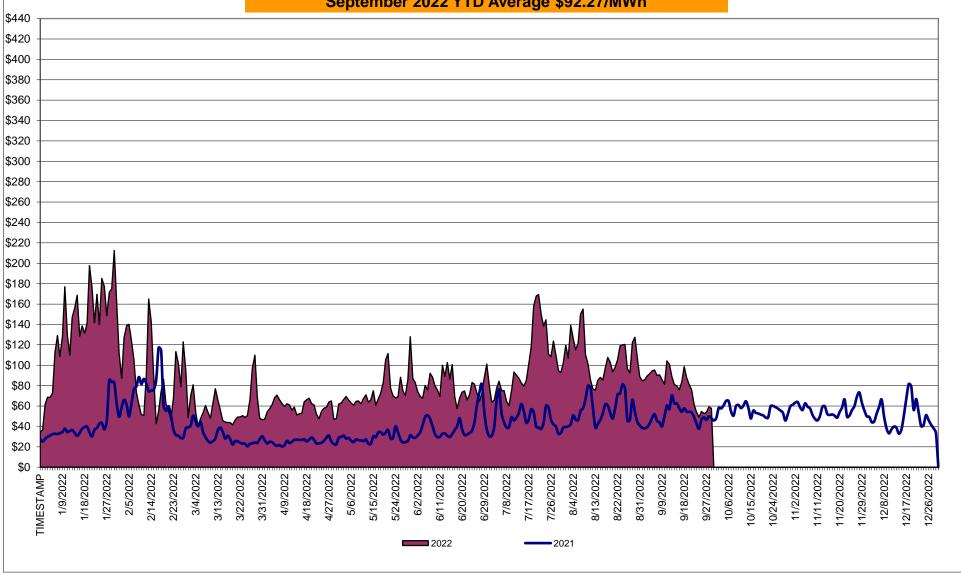
- CEO Report
- COO Report
  - Market Performance Highlights For Information Only
  - Operations Performance Metrics Monthly Report



# Market Performance Highlights September 2022

- LBMP for September is \$78.91/MWh; lower than \$108.85/MWh in August 2022 and higher than \$47.68/MWh in September 2021.
  - Day Ahead Load Weighted LBMPs and Real Time Load Weighted LBMPs are lower compared to August.
- September 2022 average year-to-date monthly cost of \$92.27/MWh is a 104% increase from \$45.34/MWh in September 2021.
- Average daily sendout is 411 GWh/day in September; lower than 514 GWh/day in August 2022 and 420 GWh/day in September 2021.
- Natural gas prices and distillate prices are lower compared to the previous month.
  - Natural Gas (Transco Z6 NY) was \$6.60/MMBtu, down from \$8.13/MMBtu in August.
  - Natural gas prices (Transco Z6 NY) are up 54.5% year-over-year.
  - Jet Kerosene Gulf Coast was \$24.01/MMBtu, down from \$24.75/MMBtu in August.
  - Ultra Low Sulfur No.2 Diesel NY Harbor was \$24.66/MMBtu, down from \$25.68/MMBtu in August.
  - Distillate prices are up 60.3% year-over-year.
- Uplift per MWh is higher compared to the previous month.
  - Uplift (not including NYISO cost of operations) is (\$0.78)/MWh; higher than (\$1.91)/MWh in August.
    - Local Reliability Share is \$0.39/MWh, lower than \$0.47/MWh in August.
    - Statewide Share is (\$1.18)/MWh, higher than (\$2.38)/MWh in August.
  - TSA \$ per NYC MWh is \$0.06/MWh.
  - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than August.

# Daily NYISO Average Cost/MWh (Energy & Ancillary Services)\* 2021 Annual Average \$47.59/MWh September 2021 YTD Average \$45.34/MWh September 2022 YTD Average \$92.27/MWh

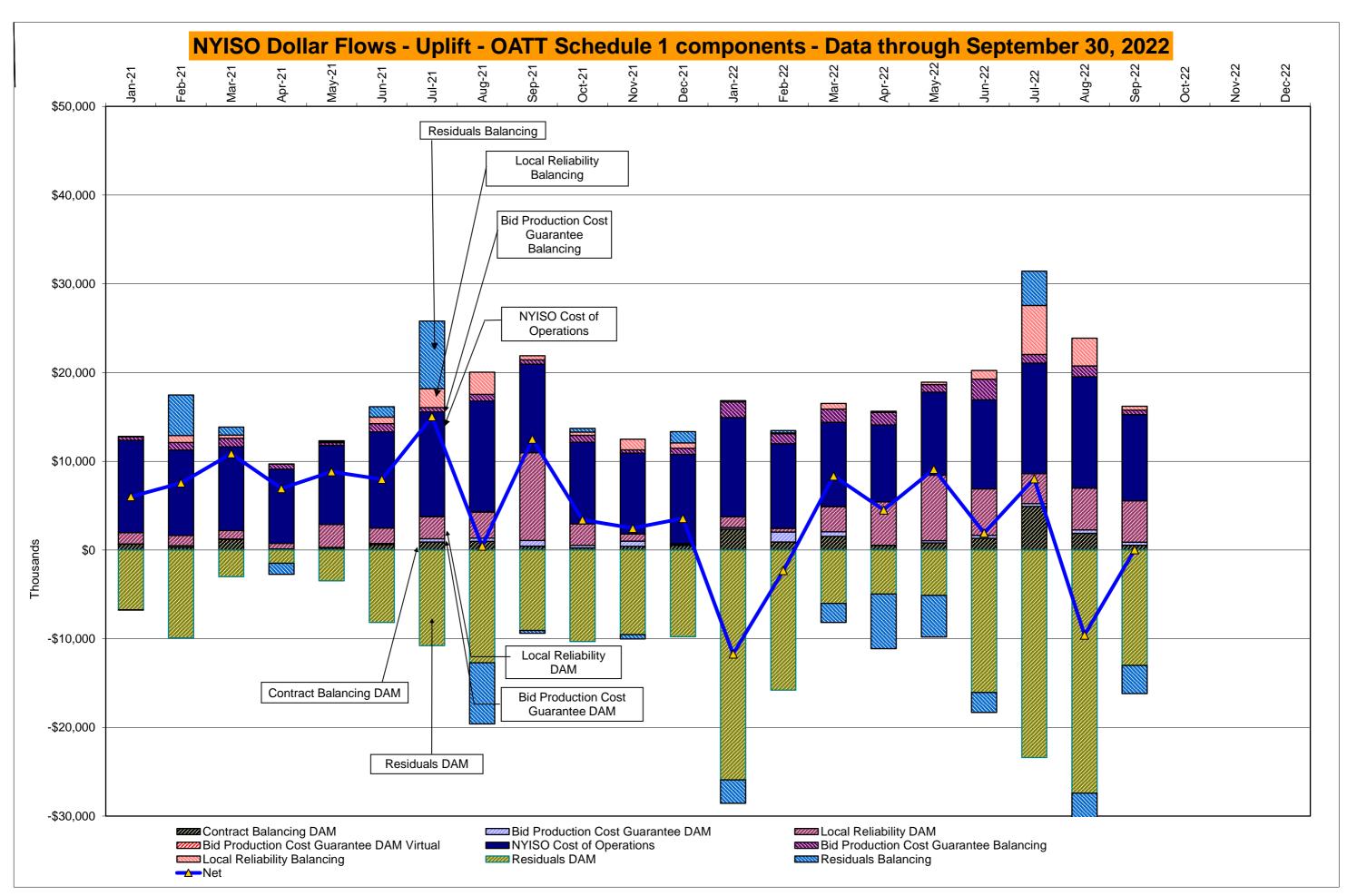


<sup>\*</sup> Excludes ICAP payments.

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

2022	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	134.79	94.06	56.78	56.46	70.60	76.72	99.47	108.85	78.91			
NTAC	1.43	0.95	1.48	1.17	2.46	2.07	3.65	1.69	1.44			
Reserve	1.26	1.21	0.83	0.81	0.74	0.66	0.87	0.65	0.86			
Regulation	0.27	0.19	0.17	0.12	0.13	0.15	0.12	0.13	0.18			
NYISO Cost of Operations	0.73	0.72	0.74	0.74	0.74	0.75	0.76	0.76	0.76			
FERC Fee Recovery	0.07	0.08	0.09	0.10	0.09	0.08	0.06	0.06	0.09			
Uplift	(1.50)	(1.73)	(0.09)	(0.36)	(0.05)	(0.61)	(1.58)	(1.91)	(0.78)			
Uplift: Local Reliability Share	0.09	0.04	0.27	0.43	0.60	0.46	0.54	0.47	0.39			
Uplift: Statewide Share	(1.59)	(1.77)	(0.36)	(0.79)	(0.65)	(1.07)	(2.12)	(2.38)	(1.18)			
Voltage Support and Black Start	0.42	0.41	0.43	0.43	0.43	0.43	0.43	0.43	0.44			
Avg Monthly Cost	137.41	95.82	60.34	59.38	75.07	80.17	103.73	110.61	81.81			
Avg YTD Cost	137.49	118.36	100.65	91.92	88.82	87.37	90.31	93.42	92.27			
TSA \$ per NYC MWh	0.00	2.98	0.00	0.00	0.11	0.00	3.98	1.70	0.06			
2021	January	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
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	0.78	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
, g	10.01	00.01	01.01	20.00	20.10	12.00	10.70	010	33 0	00.11	07.10	333
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

<sup>\*</sup> Excludes ICAP payments. Market Mitigation and Analysis Prepared: 10/11/2022 11:15 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>

<u>May</u>

14,327,101 12,477,485 12,137,757 10,992,578 12,176,102 12,945,740 15,905,937 15,770,210 12,467,212

<u>June</u>

<u>July</u>

August September

<u>March</u>

<u>January</u> <u>February</u>

Day Ahead Market MWh	14,327,101	12,477,485	12,137,757	10,992,578	12,176,102	12,945,740	15,905,937	15,770,210	12,467,212			
DAM LSE Internal LBMP Energy Sales	57%	56%	59%	56%	55%	60%	64%	63%	62%			
DAM External TC LBMP Energy Sales	7%	8%	3%	5%	6%	3%	3%	3%	2%			
DAM Bilateral - Internal Bilaterals	28%	28%	29%	31%	31%	29%	26%	26%	27%			
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	4%	4%	4%	5%	4%	4%	4%	5%	6%			
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	2%	1%	1%	2%			
DAM Bilateral - Wheel Through Bilaterals	2%	2%	2%	2%	2%	2%	2%	2%	2%			
Balancing Energy Market MWh	942,823	742,449	758,386	772,666	378,503	464,231	567,602	785,464	361,883			
Balancing Energy LSE Internal LBMP Energy Sales	88%	83%	76%	60%	65%	66%	72%	86%	66%			
Balancing Energy External TC LBMP Energy Sales	16%	19%	24%	33%	32%	36%	23%	14%	34%			
Balancing Energy Bilateral - Internal Bilaterals	1%	2%	2%	0%	5%	2%	1%	0%	1%			
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	2%	2%	2%	0%	0%			
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	4%	9%	8%	7%	9%	8%	6%	3%	5%			
Balancing Energy Bilateral - Wheel Through Bilaterals	-9%	-13%	-10%	-1%	-12%	-14%	-4%	-3%	-5%			
Transactions Summary												
LBMP	67%	66%	65%	62%	63%	64%	68%	68%	65%			
Internal Bilaterals	26%	27%	27%	29%	30%	28%	25%	25%	27%			
Import Bilaterals	3%	4%	4%	4%	4%	4%	3%	4%	6%			
Export Bilaterals	2%	2%	2%	2%	2%	2%	2%	1%	2%			
Wheels Through	1%	1%	2%	2%	2%	2%	1%	1%	2%			
Market Share of Total Load	170	170	270	270	270	270	170	170	270			
Day Ahead Market	93.8%	94.4%	94.1%	93.4%	97.0%	96.5%	96.6%	95.3%	97.2%			
Balancing Energy +	6.2%	5.6%	5.9%	93.4% 6.6%	3.0%	3.5%	3.4%	95.5% 4.7%	2.8%			
Total MWH	15,269,924					13,409,971	16,473,538		12,829,095			
Average Daily Energy Sendout/Month GWh	451	13,219,933 429	12,896,143 390	11,765,244 359	12,554,605 372	422	509	514	411			
	101	120			012	122		011				
2021	January	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	<u>October</u>	November	December
Day Ahead Market MWh	14,108,848	13,325,329	12,843,278	-		14,120,662			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%	4%	3%	2%	2%	3%	2%	4%	3%	4%	3%	51 % 6%
DAM Bilateral - Internal Bilaterals	31%	30%	32%	35%	35%	29%	27%	26%	29%	30%	32%	30%
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	1%	30% 4%	32% 4%	5% 5%	4%	29% 4%	3%	3%	29% 4%	30% 4%	3%	30%
·												
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	1%	1%	1%	2%	2%	2%	2%
DAM Bilateral - Wheel Through Bilaterals	2%	2%	3%	2%	2%	2%	2%	2%	2%	2%	1%	2%
Balancing Energy Market MWh	29,179	-308,157	-70,279	30,603	-36,350	247,874	-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%	59%	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%	62%	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		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
										0.0		

<sup>+</sup> Balancing Energy: Load(MW) purchased at Real Time LBMP.

Market Mitigation and Analysis Prepared: 10/11/2022 11:16 AM

<u>2022</u>

Day Ahead Market MWh

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

October November December

<sup>\*</sup> 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>June</u>

<u>July</u>

August September

October November December

May

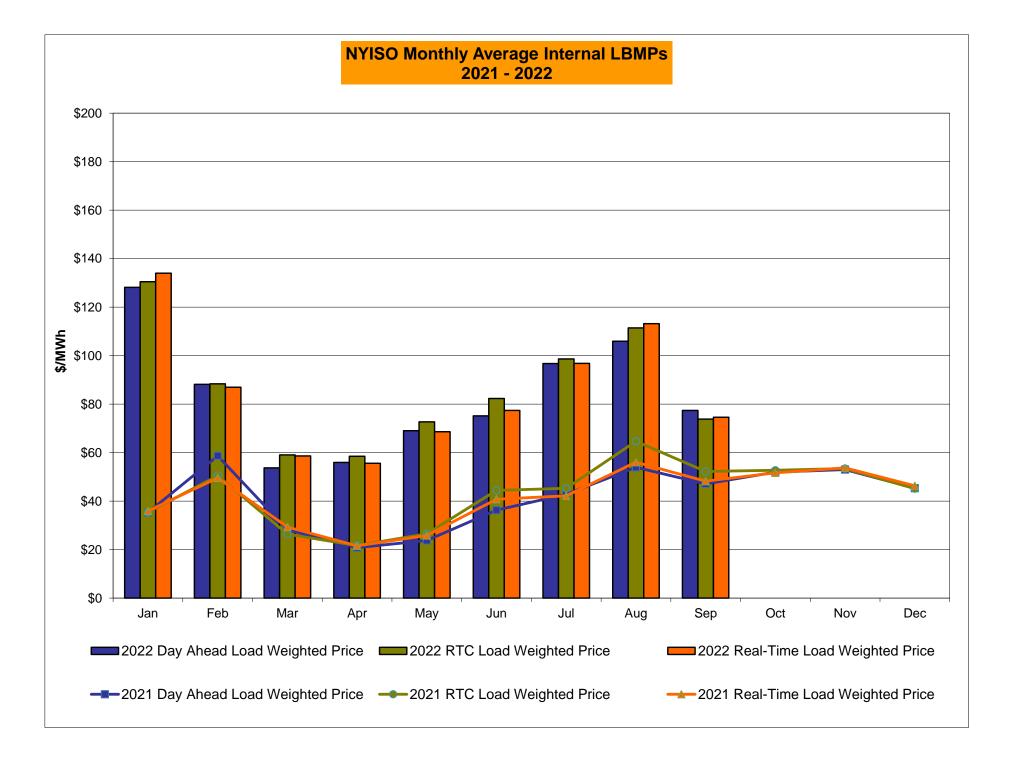
			<u>iviai cri</u>	April	iviay	<u>ouric</u>	<u>July</u>	August	<u>Ocpterriber</u>	October	HOVEITIBET	December
DAY AHEAD LBMP	<b>0.10.1.00</b>	<b>40= 00</b>	Φ=0.44	0== 00	000 44	0=0.40	<b>A</b> 00 10	<b>0.100 -1</b>	<b>A=</b> 4.00			
Price *	\$124.39	\$85.98	\$52.41	\$55.23	\$66.11	\$72.43	\$90.42	\$100.71	\$74.23			
Standard Deviation	\$51.94	\$39.56	\$18.64	\$11.05	\$21.60	\$19.84	\$40.00	\$33.52	\$22.13			
Load Weighted Price **	\$128.16	\$88.17	\$53.69	\$55.96	\$69.05	\$75.15	\$96.74	\$105.93	\$77.41			
DTC I DMD												
RTC LBMP	<b>640740</b>	<b>COE</b> 40	Φ <b>Ε</b> Ζ <b>Ε</b> Ω	<b>ФЕ</b> 7 00	<b>#</b> 00.0 <del>7</del>	Ф <del>7</del> 0.00	<u></u>	<b>MADA 00</b>	<b>Ф70 го</b>			
Price *	\$127.16	\$85.48	\$57.58	\$57.33	\$68.27	\$78.66	\$92.25	\$104.69	\$70.59			
Standard Deviation	\$77.62	\$55.20	\$38.62	\$21.09	\$42.87	\$49.85	\$49.28	\$51.96	\$28.06			
Load Weighted Price **	\$130.45	\$88.33	\$59.03	\$58.49	\$72.67	\$82.33	\$98.61	\$111.42	\$73.81			
REAL TIME LBMP												
Price *	\$130.43	\$83.85	\$57.00	\$54.45	\$65.07	\$74.01	\$90.23	\$105.61	\$71.11			
Standard Deviation	\$93.35	\$57.99	\$44.52	\$20.46	\$33.01	\$41.27	\$54.20	\$69.83	\$30.72			
	-	-	-	-	-		-	•				
Load Weighted Price **	\$133.98	\$86.99	\$58.64	\$55.57	\$68.60	\$77.40	\$96.79	\$113.16	\$74.57			
Average Daily Energy Sendout/Month GWh	451	429	390	359	372	422	509	514	411			
				<b>N</b> N/100		0004 <b>5</b>	<b>0</b> 4 4					
				NYISO	Markets	2021 Ene	ergy Stati	Stics				
	<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	<u>December</u>
DAY AHEAD LBMP	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	<u>December</u>
DAY AHEAD LBMP Price *	<del></del>	-										
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
Price * Standard Deviation	\$34.37 \$14.58	\$57.30 \$24.48	\$27.47 \$8.23	\$20.46 \$4.58	\$22.95 \$6.28	\$33.36 \$15.88	\$40.38 \$15.56	\$50.30 \$22.37	\$45.48 \$12.42	\$50.66 \$11.04	\$51.90 \$11.83	\$44.24 \$13.72
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
Price * Standard Deviation	\$34.37 \$14.58	\$57.30 \$24.48	\$27.47 \$8.23	\$20.46 \$4.58	\$22.95 \$6.28	\$33.36 \$15.88	\$40.38 \$15.56	\$50.30 \$22.37	\$45.48 \$12.42	\$50.66 \$11.04	\$51.90 \$11.83	\$44.24 \$13.72
Price * Standard Deviation Load Weighted Price **	\$34.37 \$14.58	\$57.30 \$24.48	\$27.47 \$8.23	\$20.46 \$4.58	\$22.95 \$6.28	\$33.36 \$15.88	\$40.38 \$15.56	\$50.30 \$22.37	\$45.48 \$12.42	\$50.66 \$11.04	\$51.90 \$11.83	\$44.24 \$13.72
Price * Standard Deviation Load Weighted Price **  RTC LBMP	\$34.37 \$14.58 \$35.31 \$34.32	\$57.30 \$24.48 \$58.67 \$49.25	\$27.47 \$8.23 \$28.12 \$25.59	\$20.46 \$4.58 \$20.81 \$21.30	\$22.95 \$6.28 \$23.75 \$25.36	\$33.36 \$15.88 \$36.28 \$39.69	\$40.38 \$15.56 \$42.84 \$42.25	\$50.30 \$22.37 \$53.93	\$45.48 \$12.42 \$47.08	\$50.66 \$11.04 \$51.92 \$51.41	\$51.90 \$11.83 \$52.98	\$44.24 \$13.72 \$45.33 \$44.16
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price *	\$34.37 \$14.58 \$35.31	\$57.30 \$24.48 \$58.67	\$27.47 \$8.23 \$28.12	\$20.46 \$4.58 \$20.81	\$22.95 \$6.28 \$23.75	\$33.36 \$15.88 \$36.28	\$40.38 \$15.56 \$42.84	\$50.30 \$22.37 \$53.93 \$58.87	\$45.48 \$12.42 \$47.08	\$50.66 \$11.04 \$51.92	\$51.90 \$11.83 \$52.98	\$44.24 \$13.72 \$45.33
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation Load Weighted Price **	\$34.37 \$14.58 \$35.31 \$34.32 \$20.93	\$57.30 \$24.48 \$58.67 \$49.25 \$23.34	\$27.47 \$8.23 \$28.12 \$25.59 \$12.67	\$20.46 \$4.58 \$20.81 \$21.30 \$7.91	\$22.95 \$6.28 \$23.75 \$25.36 \$11.17	\$33.36 \$15.88 \$36.28 \$39.69 \$34.08	\$40.38 \$15.56 \$42.84 \$42.25 \$47.97	\$50.30 \$22.37 \$53.93 \$58.87 \$47.79	\$45.48 \$12.42 \$47.08 \$50.07 \$22.24	\$50.66 \$11.04 \$51.92 \$51.41 \$13.96	\$51.90 \$11.83 \$52.98 \$52.37 \$16.97	\$44.24 \$13.72 \$45.33 \$44.16 \$17.49
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation Load Weighted Price **  REAL TIME LBMP	\$34.37 \$14.58 \$35.31 \$34.32 \$20.93 \$35.40	\$57.30 \$24.48 \$58.67 \$49.25 \$23.34 \$50.48	\$27.47 \$8.23 \$28.12 \$25.59 \$12.67 \$26.37	\$20.46 \$4.58 \$20.81 \$21.30 \$7.91 \$21.67	\$22.95 \$6.28 \$23.75 \$25.36 \$11.17 \$26.50	\$33.36 \$15.88 \$36.28 \$39.69 \$34.08 \$44.41	\$40.38 \$15.56 \$42.84 \$42.25 \$47.97 \$45.27	\$50.30 \$22.37 \$53.93 \$58.87 \$47.79 \$64.66	\$45.48 \$12.42 \$47.08 \$50.07 \$22.24 \$52.21	\$50.66 \$11.04 \$51.92 \$51.41 \$13.96 \$52.71	\$51.90 \$11.83 \$52.98 \$52.37 \$16.97 \$53.44	\$44.24 \$13.72 \$45.33 \$44.16 \$17.49 \$45.12
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation Load Weighted Price **  REAL TIME LBMP Price *	\$34.37 \$14.58 \$35.31 \$34.32 \$20.93 \$35.40	\$57.30 \$24.48 \$58.67 \$49.25 \$23.34 \$50.48	\$27.47 \$8.23 \$28.12 \$25.59 \$12.67 \$26.37	\$20.46 \$4.58 \$20.81 \$21.30 \$7.91 \$21.67	\$22.95 \$6.28 \$23.75 \$25.36 \$11.17 \$26.50	\$33.36 \$15.88 \$36.28 \$39.69 \$34.08 \$44.41	\$40.38 \$15.56 \$42.84 \$42.25 \$47.97 \$45.27	\$50.30 \$22.37 \$53.93 \$58.87 \$47.79 \$64.66	\$45.48 \$12.42 \$47.08 \$50.07 \$22.24 \$52.21	\$50.66 \$11.04 \$51.92 \$51.41 \$13.96 \$52.71	\$51.90 \$11.83 \$52.98 \$52.37 \$16.97 \$53.44	\$44.24 \$13.72 \$45.33 \$44.16 \$17.49 \$45.12
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation Load Weighted Price **  REAL TIME LBMP Price * Standard Deviation	\$34.37 \$14.58 \$35.31 \$34.32 \$20.93 \$35.40 \$34.59 \$29.47	\$57.30 \$24.48 \$58.67 \$49.25 \$23.34 \$50.48	\$27.47 \$8.23 \$28.12 \$25.59 \$12.67 \$26.37 \$28.06 \$26.13	\$20.46 \$4.58 \$20.81 \$21.30 \$7.91 \$21.67 \$21.07	\$22.95 \$6.28 \$23.75 \$25.36 \$11.17 \$26.50 \$24.62 \$10.91	\$33.36 \$15.88 \$36.28 \$39.69 \$34.08 \$44.41 \$36.58 \$25.43	\$40.38 \$15.56 \$42.84 \$42.25 \$47.97 \$45.27 \$39.61 \$26.73	\$50.30 \$22.37 \$53.93 \$58.87 \$47.79 \$64.66 \$51.46 \$37.53	\$45.48 \$12.42 \$47.08 \$50.07 \$22.24 \$52.21 \$46.37 \$18.08	\$50.66 \$11.04 \$51.92 \$51.41 \$13.96 \$52.71 \$50.41 \$14.93	\$51.90 \$11.83 \$52.98 \$52.37 \$16.97 \$53.44 \$52.52 \$20.97	\$44.24 \$13.72 \$45.33 \$44.16 \$17.49 \$45.12 \$45.13 \$23.65
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation Load Weighted Price **  REAL TIME LBMP Price *	\$34.37 \$14.58 \$35.31 \$34.32 \$20.93 \$35.40	\$57.30 \$24.48 \$58.67 \$49.25 \$23.34 \$50.48	\$27.47 \$8.23 \$28.12 \$25.59 \$12.67 \$26.37	\$20.46 \$4.58 \$20.81 \$21.30 \$7.91 \$21.67	\$22.95 \$6.28 \$23.75 \$25.36 \$11.17 \$26.50	\$33.36 \$15.88 \$36.28 \$39.69 \$34.08 \$44.41	\$40.38 \$15.56 \$42.84 \$42.25 \$47.97 \$45.27	\$50.30 \$22.37 \$53.93 \$58.87 \$47.79 \$64.66	\$45.48 \$12.42 \$47.08 \$50.07 \$22.24 \$52.21	\$50.66 \$11.04 \$51.92 \$51.41 \$13.96 \$52.71	\$51.90 \$11.83 \$52.98 \$52.37 \$16.97 \$53.44	\$44.24 \$13.72 \$45.33 \$44.16 \$17.49 \$45.12

<u>April</u>

January February

<u>March</u>

<sup>\*</sup> Average zonal load weighted prices.
\*\* Average zonal load weighted prices, load weighted in each hour.

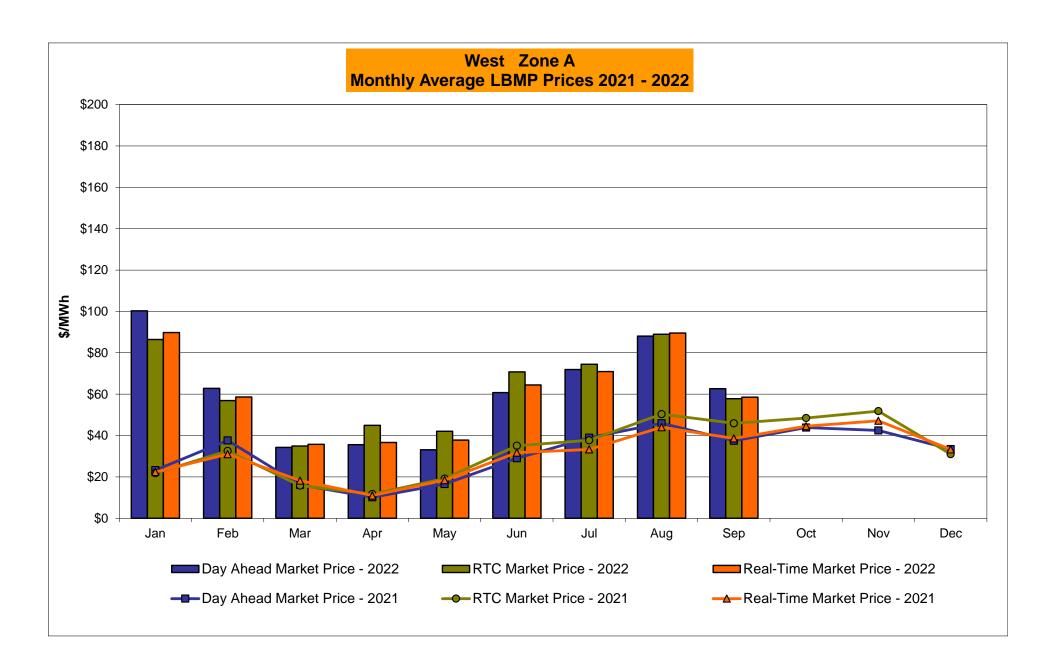


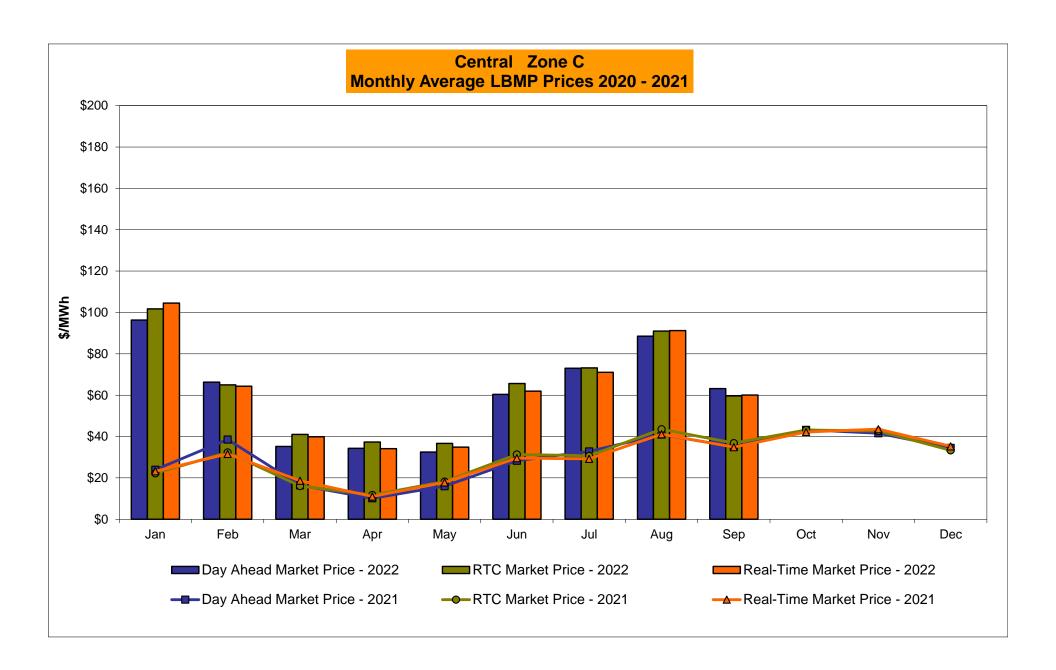
#### September 2022 Zonal LBMP Statistics for NYISO (\$/MWh)

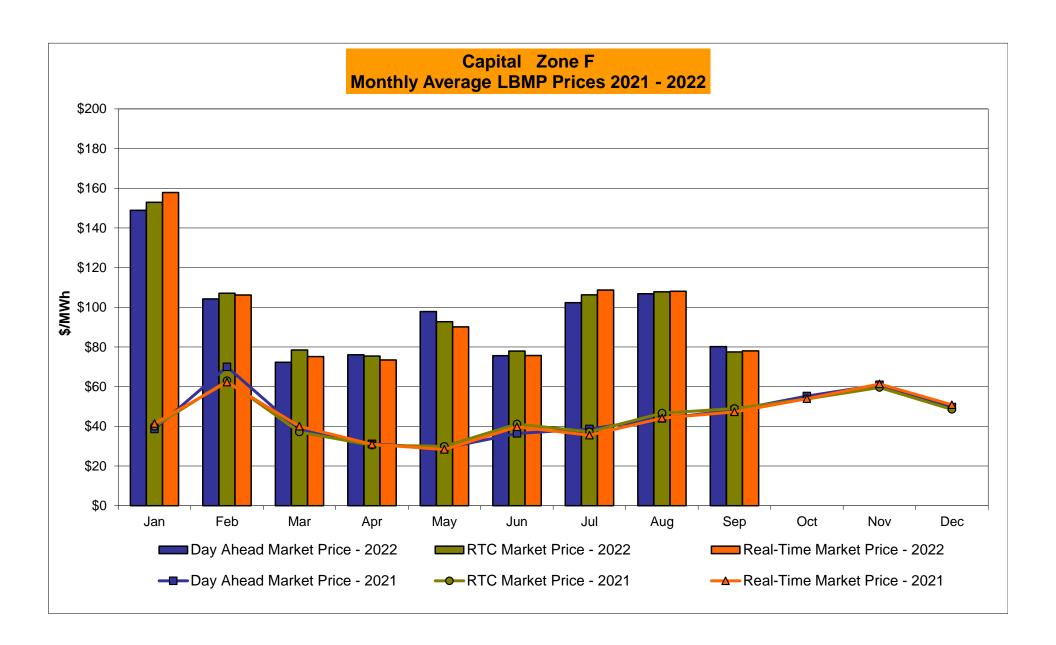
	WEST Zone A	GENESEE Zone B	NORTH Zone D	CENTRAL Zone C	MOHAWK VALLEY <u>Zone E</u>	CAPITAL Zone F	HUDSON VALLEY <u>Zone G</u>	MILLWOOD Zone H	DUNWOODIE  Zone I	NEW YORK CITY Zone J	LONG ISLAND <u>Zone K</u>
DAY AHEAD LBMP											
Unweighted Price *	62.65	62.34	53.40	63.13	64.01	80.16	76.80	77.88	78.23	79.96	82.15
Standard Deviation	20.96	20.24	22.52	20.14	20.40	24.34	22.46	23.49	23.75	23.40	26.23
RTC LBMP											
Unweighted Price *	57.77	58.32	53.05	59.64	59.54	77.49	72.35	73.23	73.56	74.91	81.55
Standard Deviation	23.28	23.51	28.33	23.53	24.80	38.11	27.89	28.75	28.94	28.86	49.79
REAL TIME LBMP											
Unweighted Price *	58.51	58.92	53.11	60.07	60.36	78.05	73.44	74.42	74.76	76.33	80.29
Standard Deviation	26.77	27.39	31.20	27.48	27.87	39.66	31.50	32.55	32.79	33.54	44.48
		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) (I	QUEBEC mport/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>
DAY AHEAD I RMP		QUEBEC	QUEBEC	PJM <u>Zone P</u>		SOUND CABLE	NORWALK	_			
<b>DAY AHEAD LBMP</b> Unweighted Price *	IESO Zone O	QUEBEC (Wheel) (I Zone M	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
DAY AHEAD LBMP Unweighted Price * Standard Deviation	IESO	QUEBEC (Wheel) (I	QUEBEC mport/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>
Unweighted Price * Standard Deviation	<b>Zone O</b> 60.84	QUEBEC (Wheel) (I Zone M 54.98	QUEBEC mport/Export)  Zone M  54.98	<b>Zone P</b> 70.43	ENGLAND  Zone N  69.61	SOUND CABLE Controllable Line 81.57	NORWALK Controllable Line 76.54	Controllable Line 81.14	Controllable Line 78.55	Controllable Line 78.44	Controllable Line 51.19
Unweighted Price * Standard Deviation  RTC LBMP	<b>Zone O</b> 60.84 19.52	QUEBEC (Wheel) (I <u>Zone M</u> 54.98 17.37	QUEBEC mport/Export)  Zone M  54.98 17.37	<b>Zone P</b> 70.43 21.10	<b>Zone N</b> 69.61 15.47	SOUND CABLE Controllable Line 81.57 26.67	NORWALK Controllable Line 76.54 22.42	Controllable Line 81.14 25.64	Controllable Line 78.55 22.27	Controllable Line 78.44 23.60	Controllable Line 51.19 22.66
Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price *	ESO  Zone O  60.84 19.52	QUEBEC (Wheel) (I  Zone M  54.98 17.37	QUEBEC mport/Export)  Zone M  54.98 17.37	<b>Zone P</b> 70.43 21.10	<b>ENGLAND Zone N</b> 69.61 15.47	SOUND CABLE Controllable Line 81.57 26.67	NORWALK Controllable Line 76.54 22.42	Eine 81.14 25.64 79.44	78.55 22.27	78.44 23.60	<u>Line</u> 51.19 22.66
Unweighted Price * Standard Deviation  RTC LBMP	<b>Zone O</b> 60.84 19.52	QUEBEC (Wheel) (I <u>Zone M</u> 54.98 17.37	QUEBEC mport/Export)  Zone M  54.98 17.37	<b>Zone P</b> 70.43 21.10	<b>Zone N</b> 69.61 15.47	SOUND CABLE Controllable Line 81.57 26.67	NORWALK Controllable Line 76.54 22.42	Controllable Line 81.14 25.64	Controllable Line 78.55 22.27	Controllable Line 78.44 23.60	Controllable Line 51.19 22.66
Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price *	ESO  Zone O  60.84 19.52	QUEBEC (Wheel) (I  Zone M  54.98 17.37	QUEBEC mport/Export)  Zone M  54.98 17.37	<b>Zone P</b> 70.43 21.10	<b>ENGLAND Zone N</b> 69.61 15.47	SOUND CABLE Controllable Line 81.57 26.67	NORWALK Controllable Line 76.54 22.42	Eine 81.14 25.64 79.44	78.55 22.27	78.44 23.60	<b>Controllable Line</b> 51.19 22.66
Unweighted Price * Standard Deviation  RTC LBMP  Unweighted Price * Standard Deviation	ESO  Zone O  60.84 19.52	QUEBEC (Wheel) (I  Zone M  54.98 17.37	QUEBEC mport/Export)  Zone M  54.98 17.37	<b>Zone P</b> 70.43 21.10	<b>ENGLAND Zone N</b> 69.61 15.47	SOUND CABLE Controllable Line 81.57 26.67	NORWALK Controllable Line 76.54 22.42	Eine 81.14 25.64 79.44	78.55 22.27	78.44 23.60	<u>Line</u> 51.19 22.66

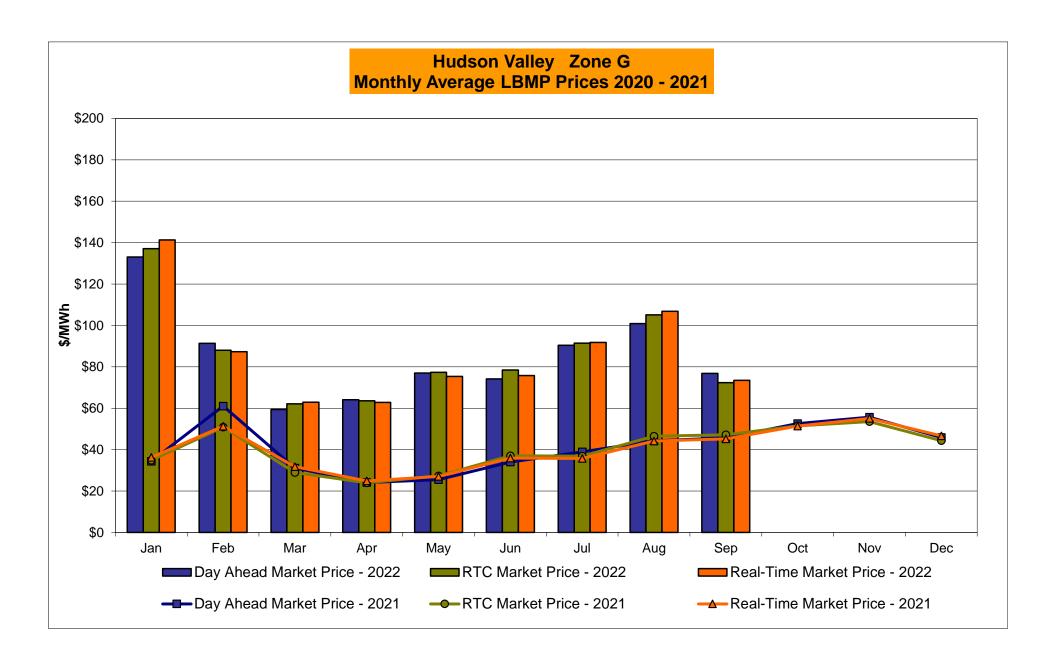
Market Mitigation and Analysis Prepared: 10/11/2022 11:14 AM

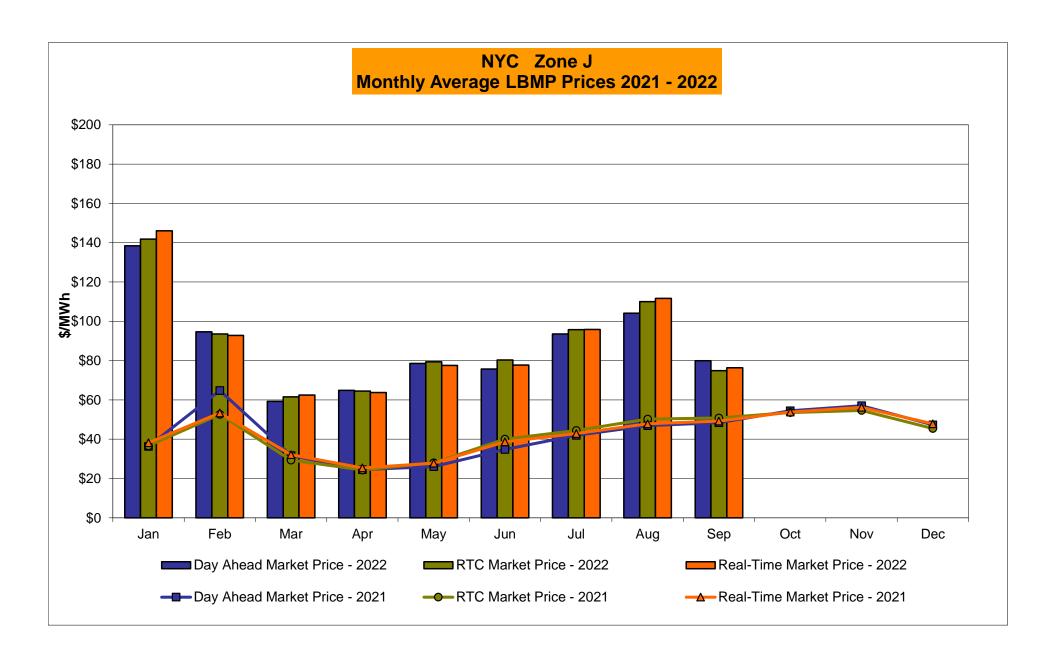
<sup>\*</sup> Straight LBMP averages

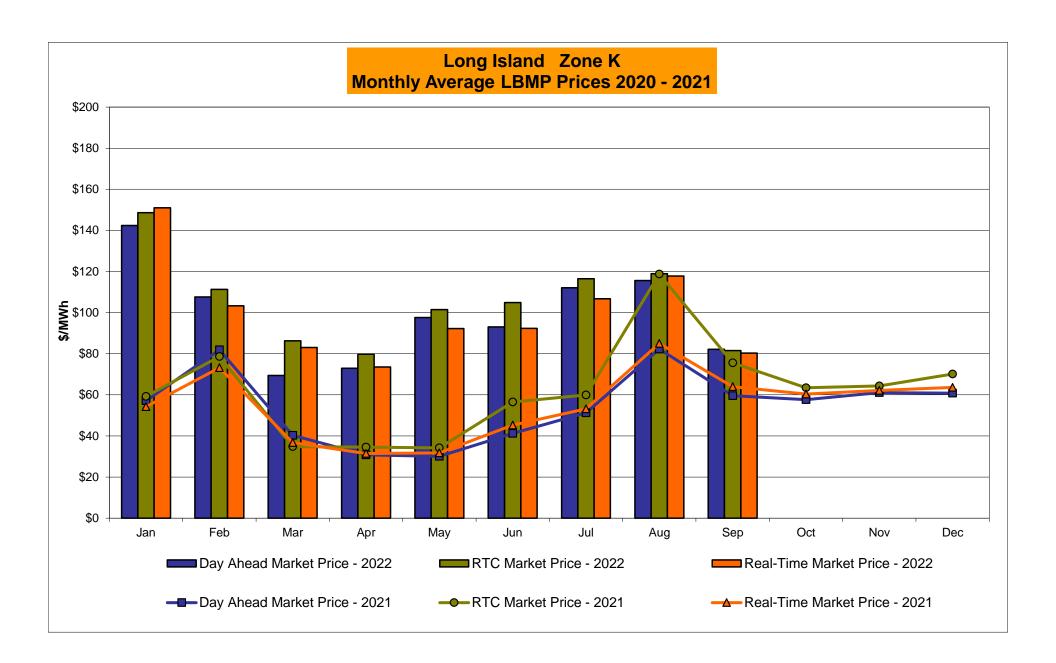


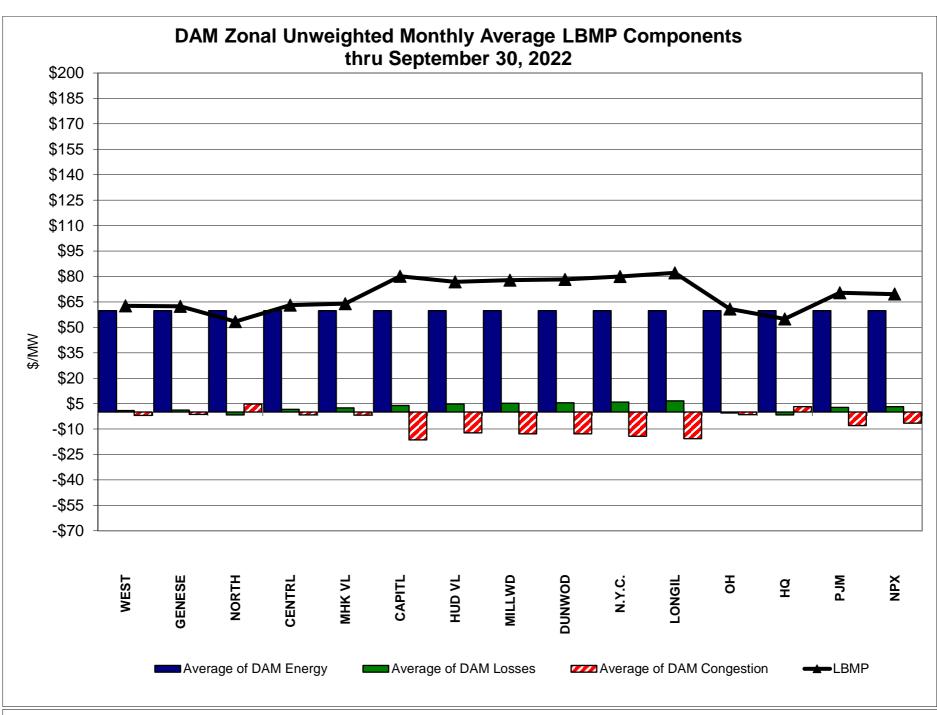


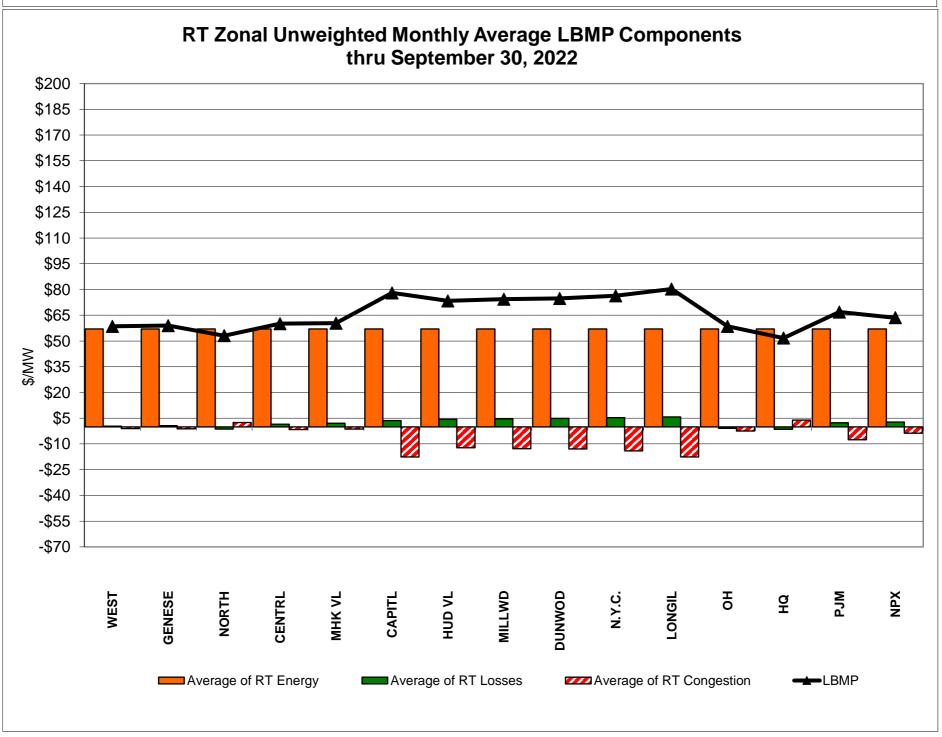




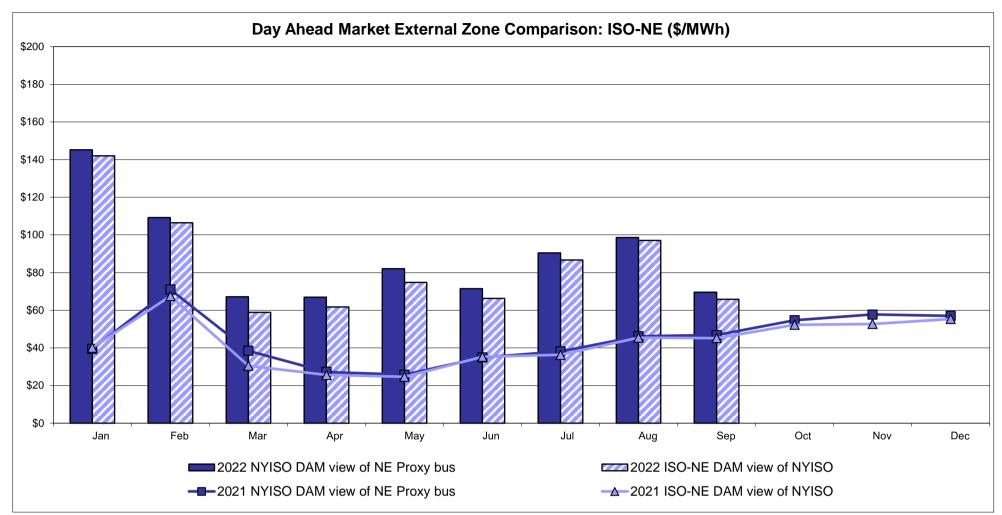


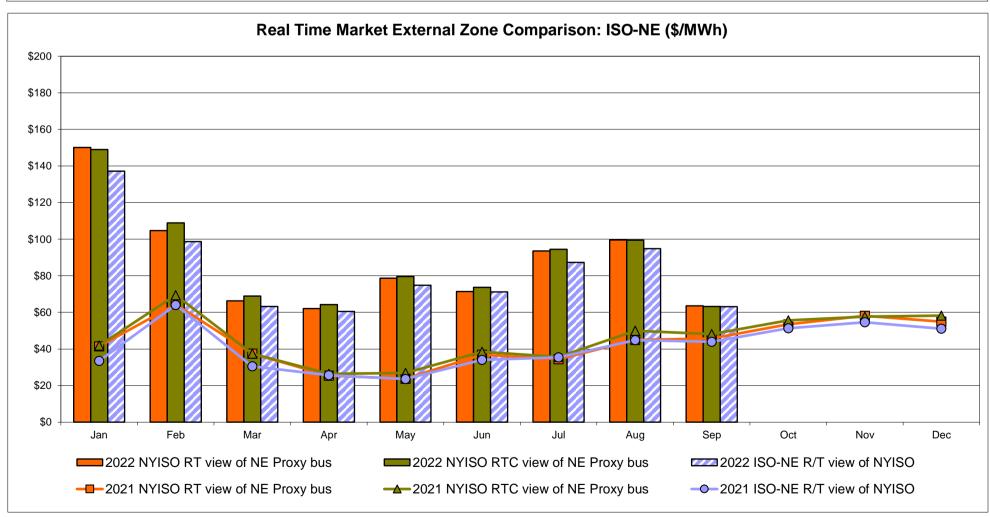




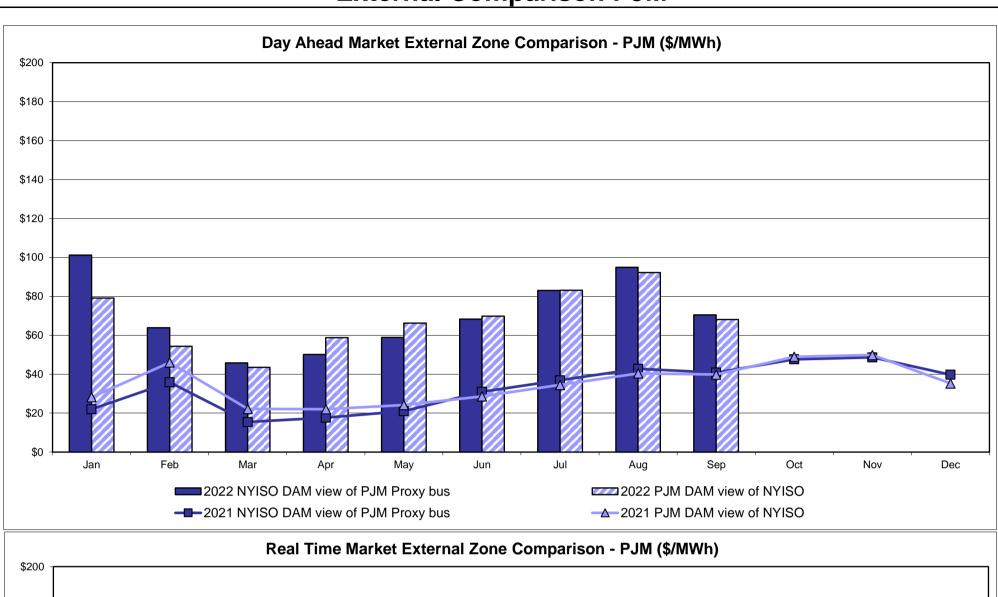


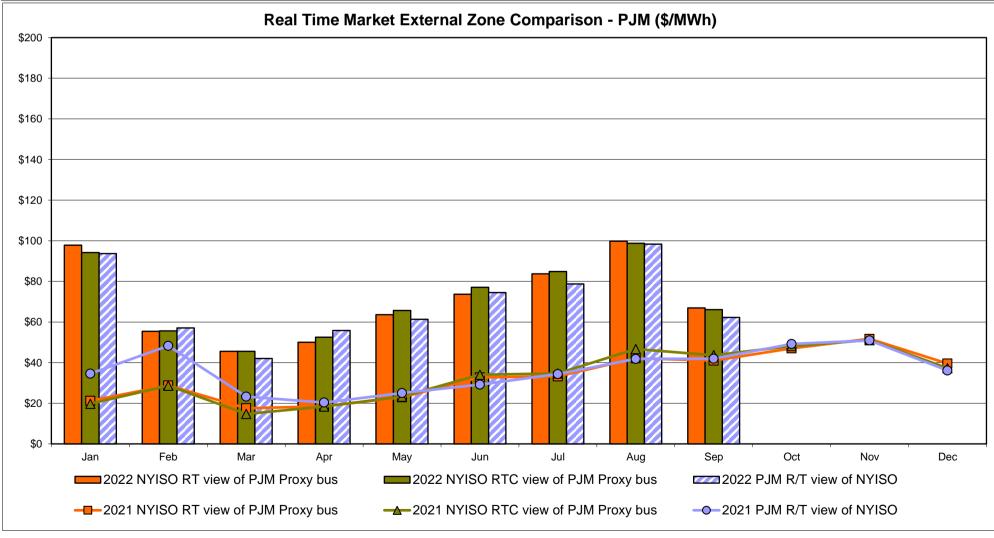
#### **External Comparison ISO-New England**



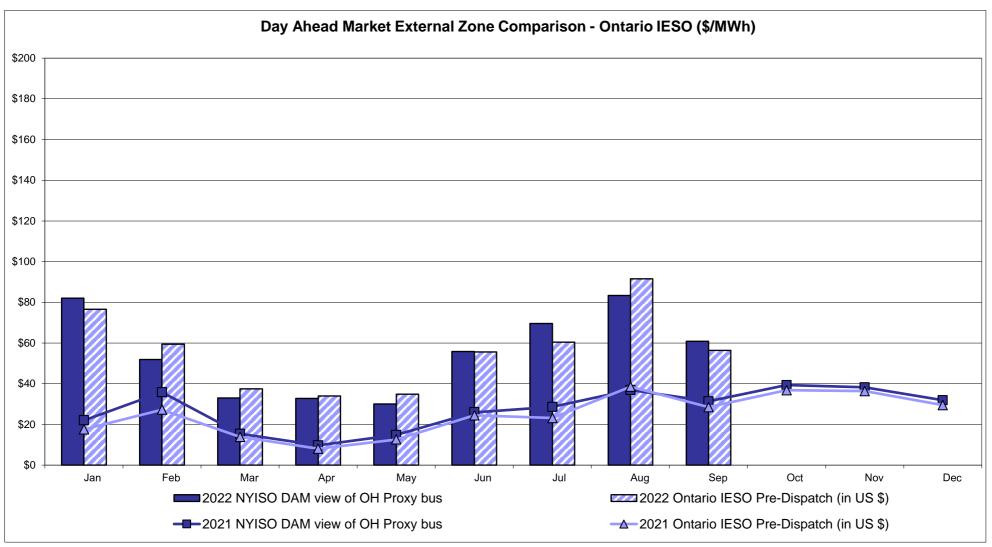


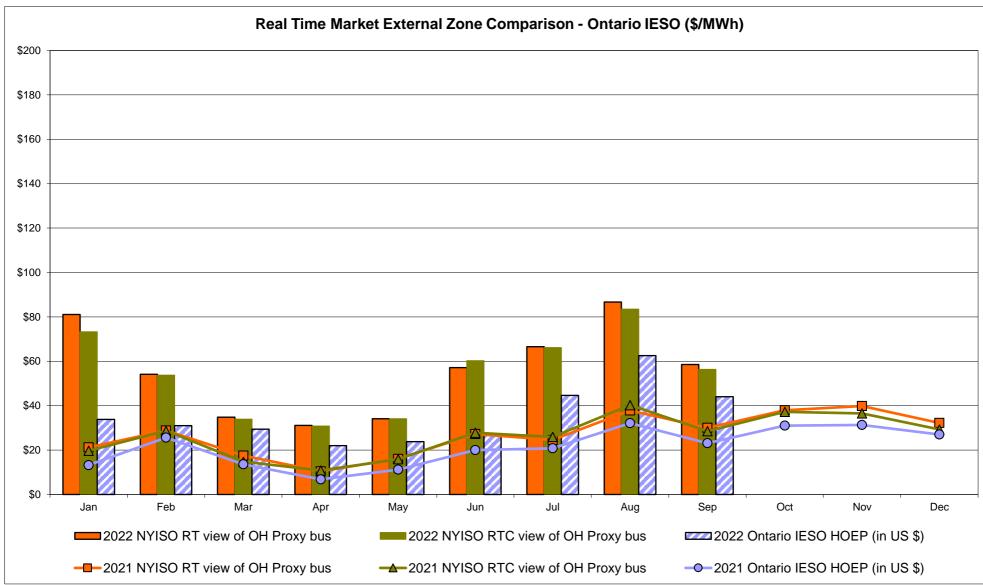
#### **External Comparison PJM**





## **External Comparison Ontario IESO**

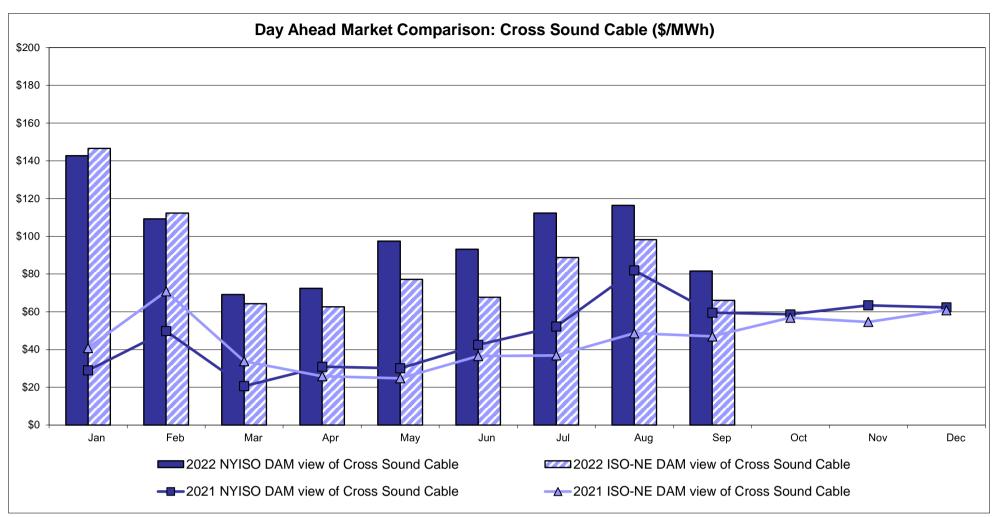


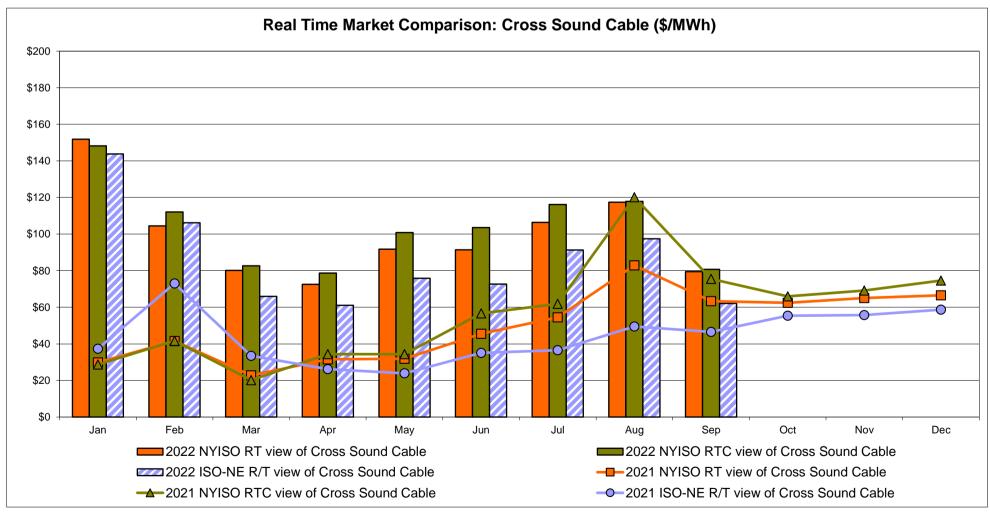


Notes: Exchange factor used for September 2022 was 0.7496813854112 to US

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

#### External Controllable Line: Cross Sound Cable (New England)





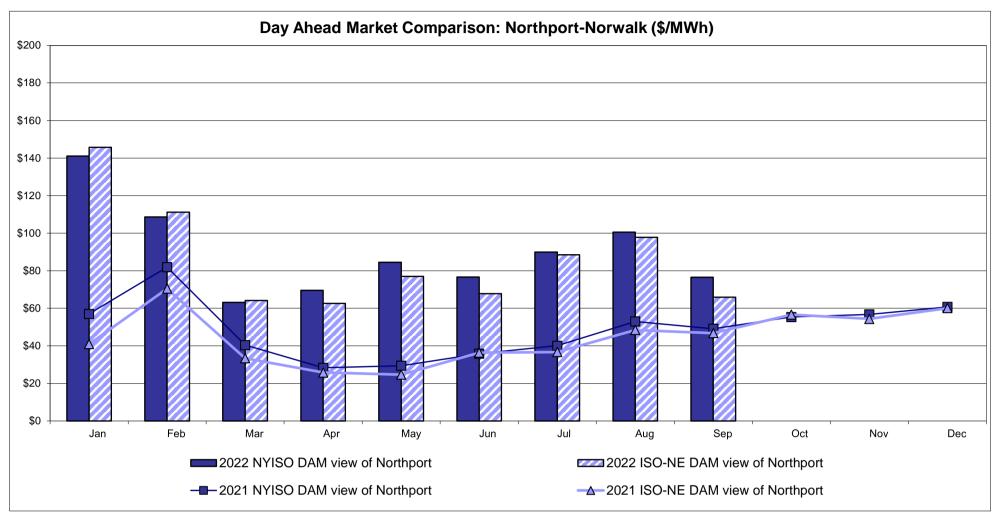
#### Note:

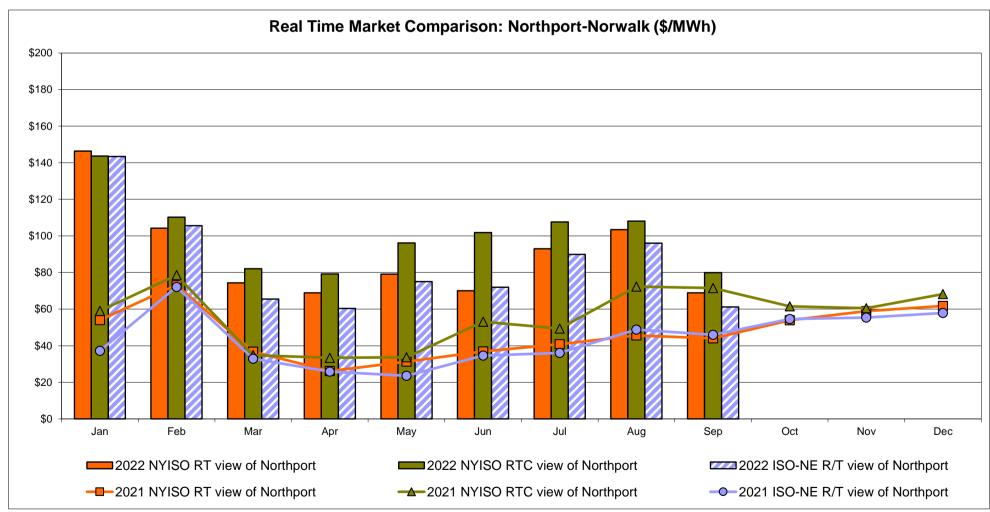
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)





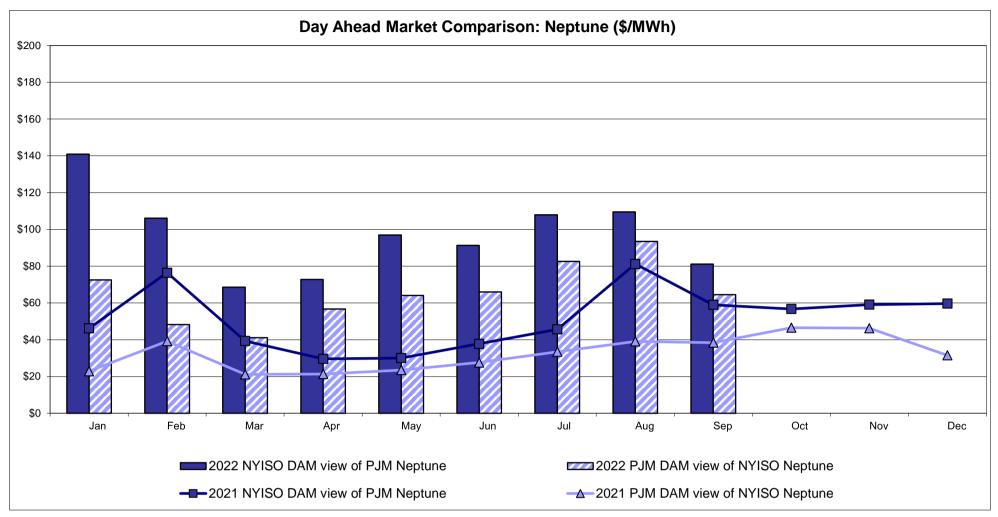
#### Note:

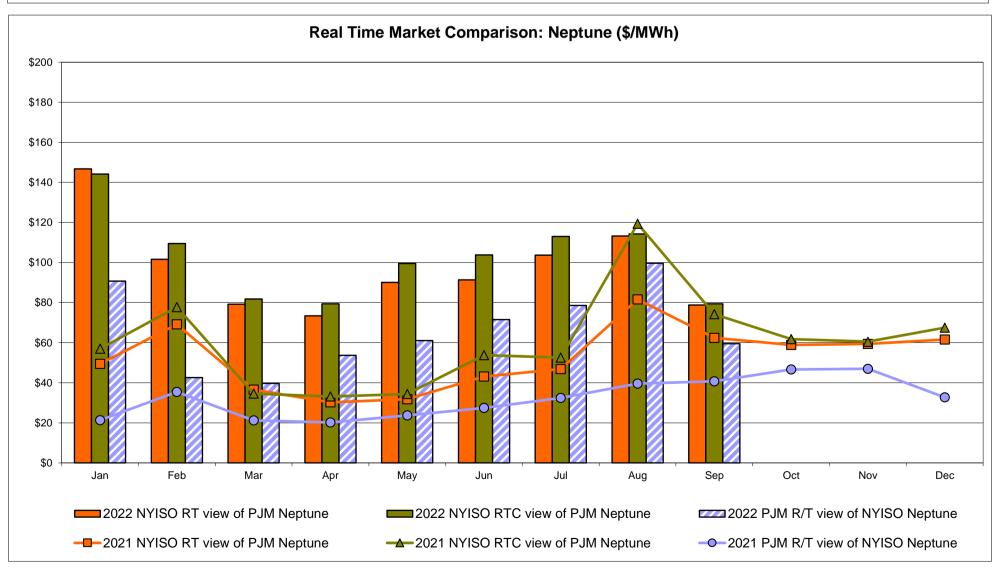
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

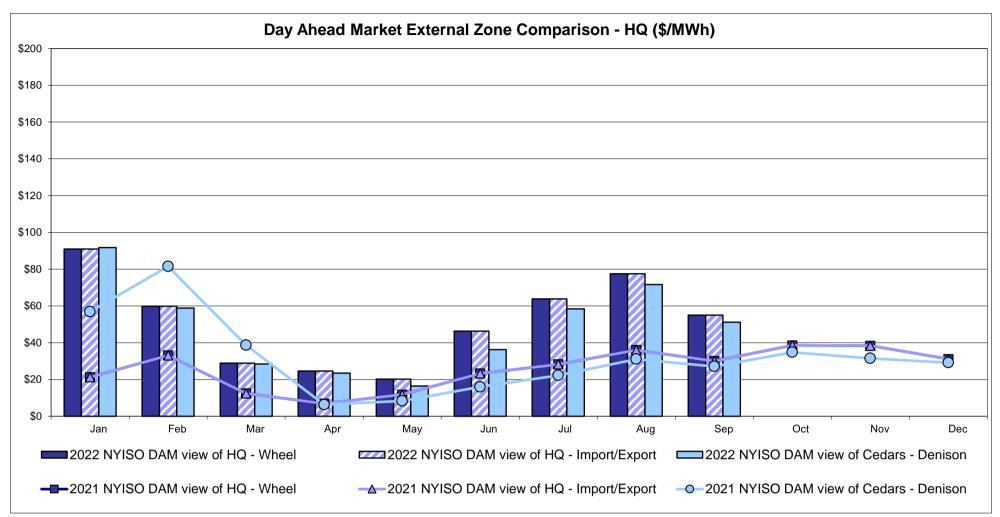
The DAM and R/T prices at the 1385 interface are used for NYISO.

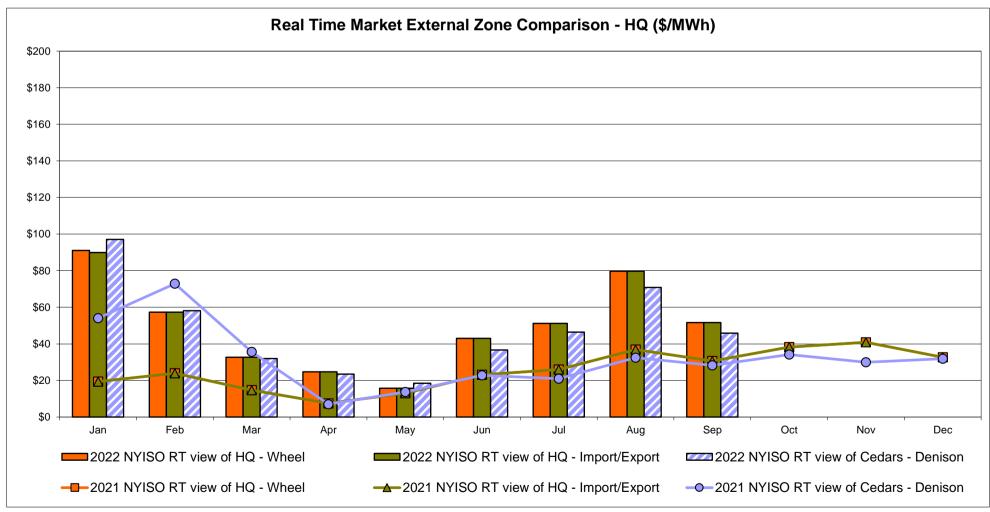
## **External Controllable Line: Neptune (PJM)**





#### **External Comparison Hydro-Quebec**

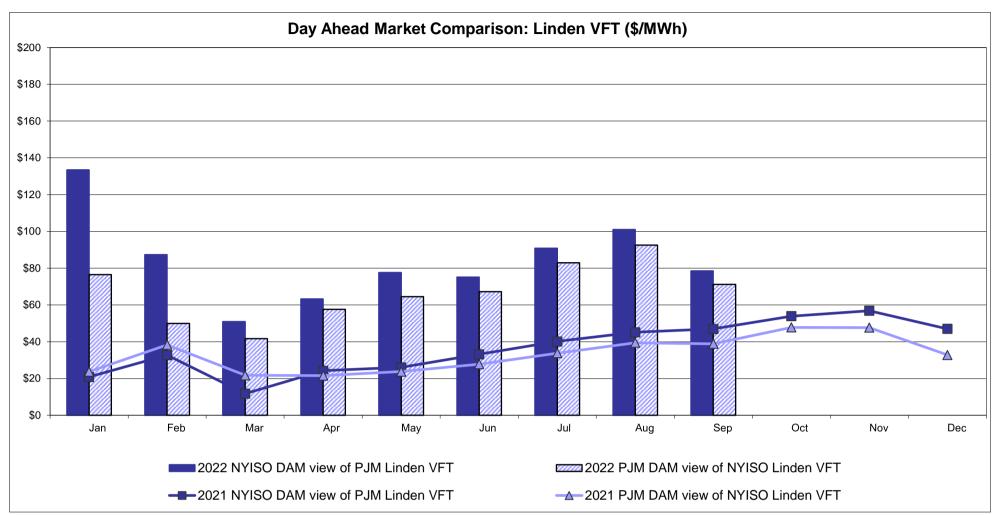


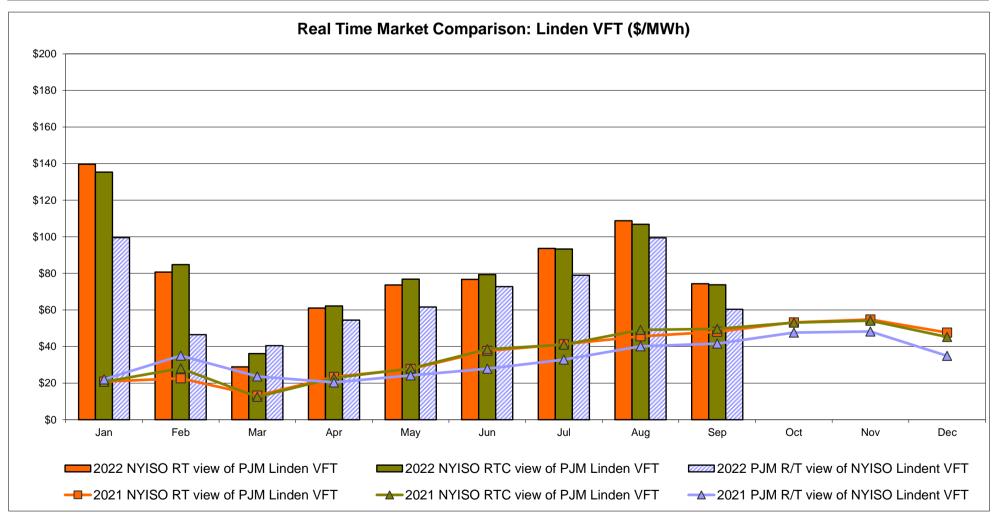


Note:

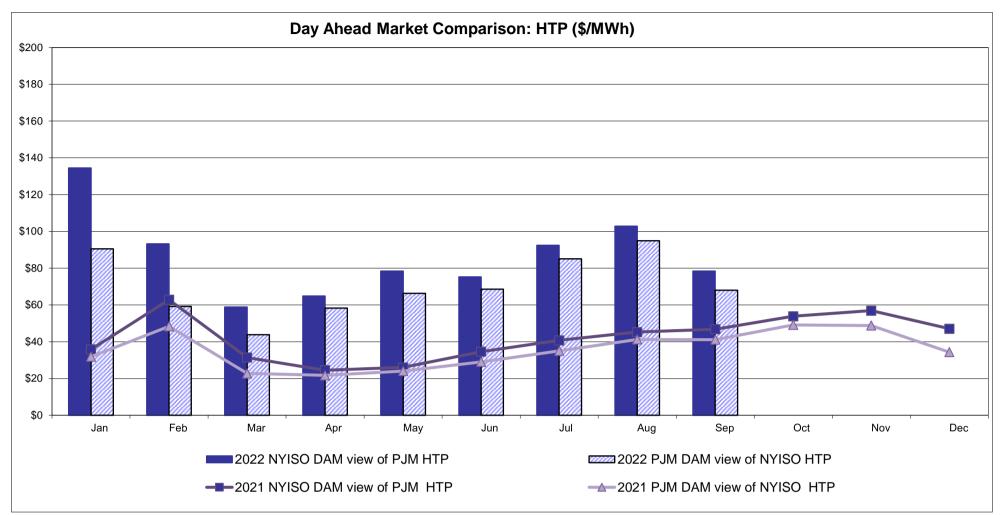
Hydro-Quebec Prices are unavailable.

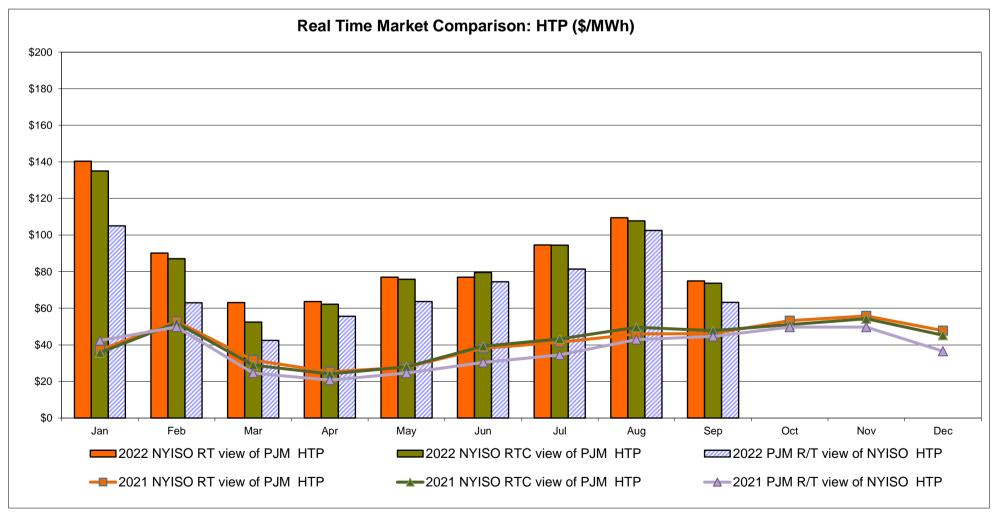
#### External Controllable Line: Linden VFT (PJM)





#### **External Controllable Line: Hudson (PJM)**

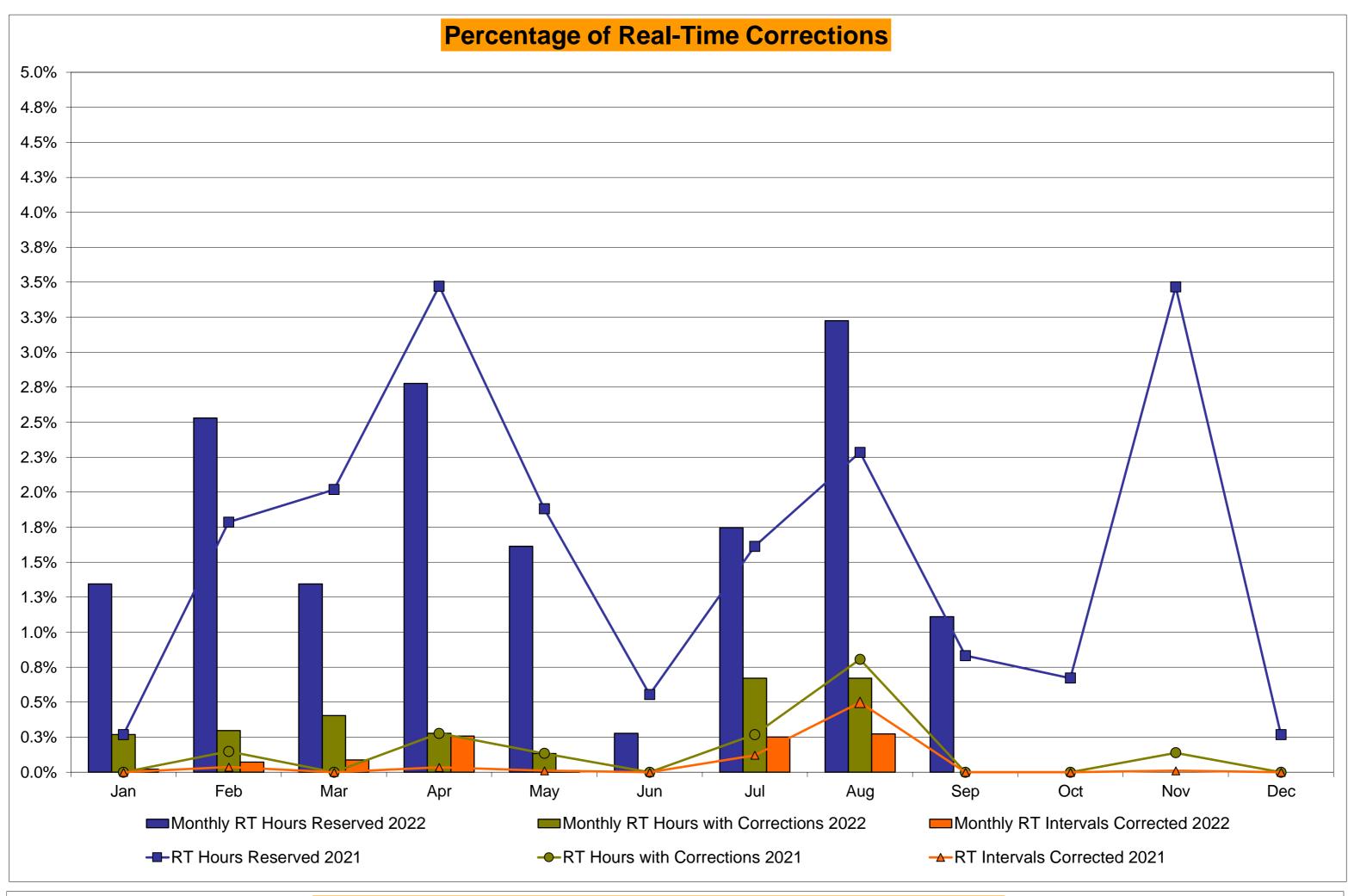


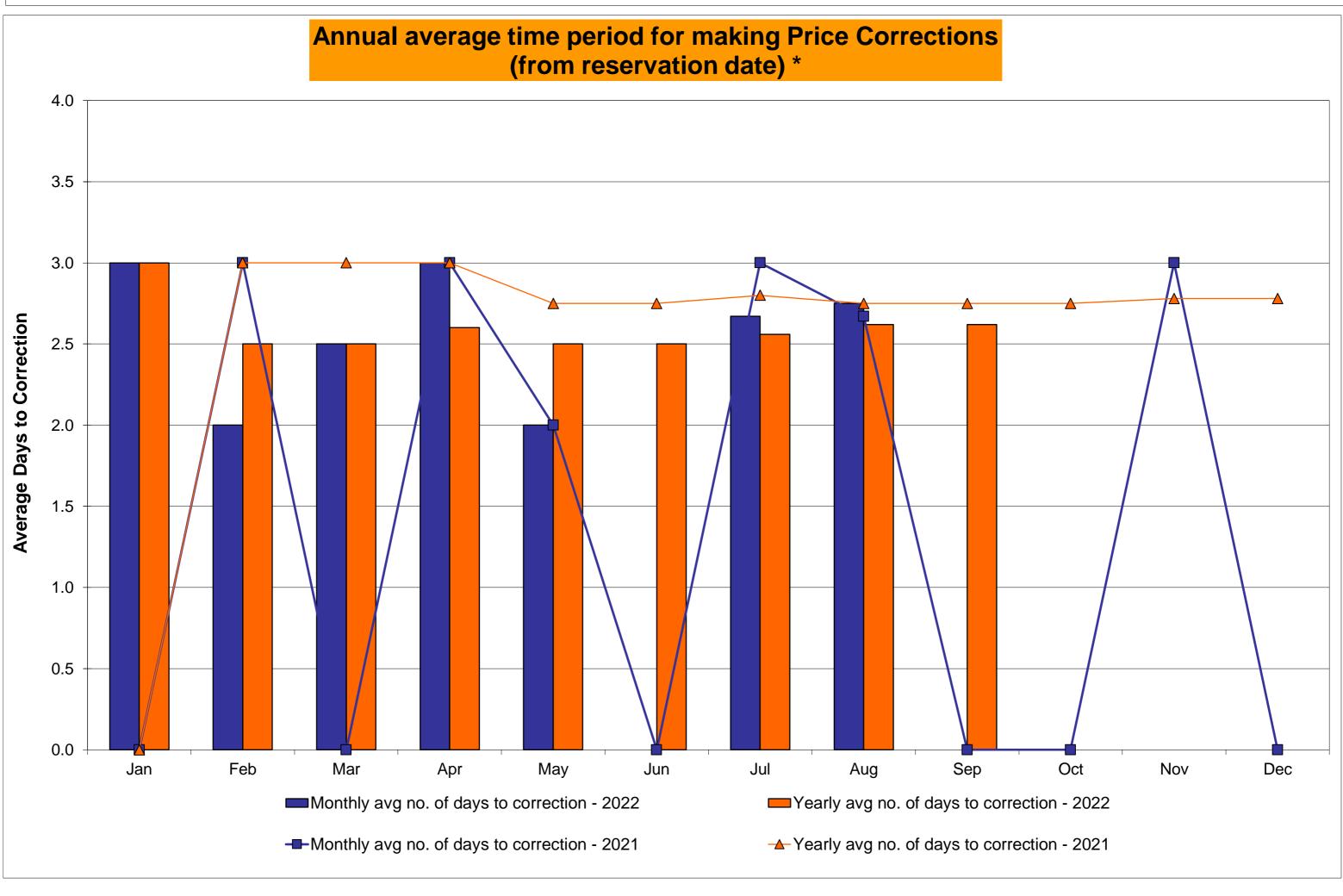


#### **NYISO Real Time Price Correction Statistics**

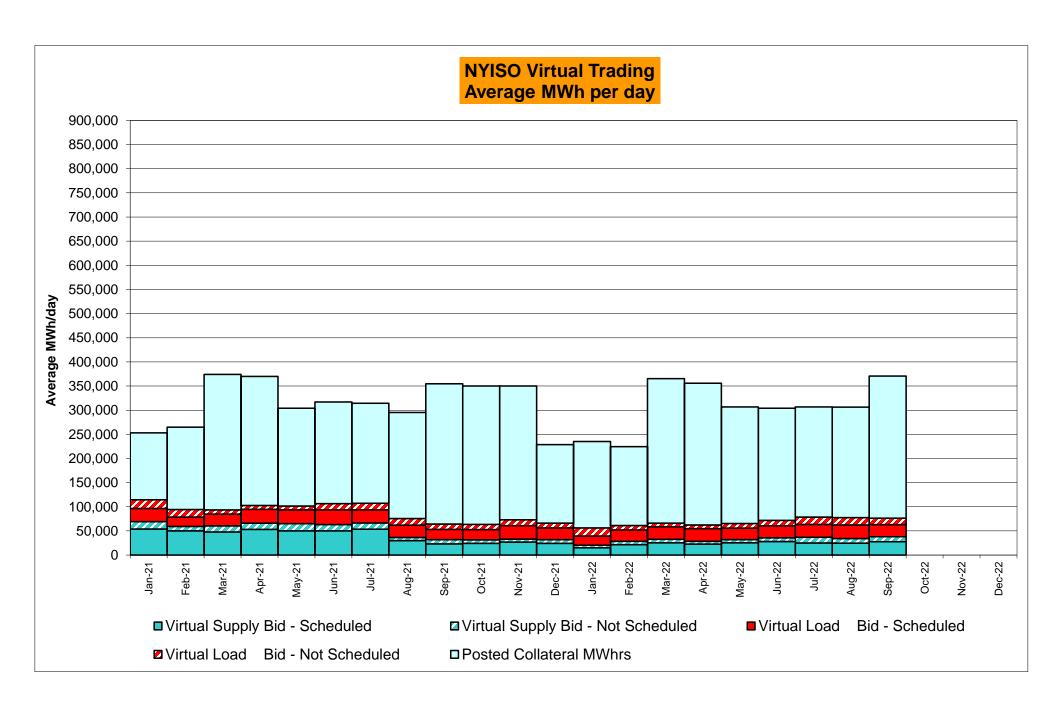
	Nation Real Time Price Correction Statistics												
<u>2022</u>		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	October	<u>November</u>	<u>December</u>
Hour Corrections													
Number of hours with corrections	in the month	2	2	3	2	1	0	5	5	0			
Number of hours	in the month	744	672	743	720	744	720	744	744	720			
% of hours with corrections	in the month	0.27%	0.30%	0.40%	0.28%	0.13%	0.00%	0.67%	0.67%	0.00%			
% of hours with corrections	year-to-date	0.27%	0.28%	0.32%	0.31%	0.28%	0.23%	0.29%	0.34%	0.31%			
Interval Corrections													_
Number of intervals corrected	in the month	2	6	8	23	1	0	23	25	0			
Number of intervals	in the month	9,258	8,338	9,118	8,908	9,181	8,864	9,140	9,145	8,825			
% of intervals corrected	in the month	0.02%	0.07%	0.09%	0.26%	0.01%	0.00%	0.25%	0.27%	0.00%			
% of intervals corrected	year-to-date	0.02%	0.05%	0.06%	0.11%	0.09%	0.07%	0.10%	0.12%	0.11%			
Hours Reserved													
Number of hours reserved	in the month	10	17	10	20	12	2	13	24	8			
Number of hours	in the month	744	672	743	720	744	720	744	744	720			
% of hours reserved	in the month	1.34%	2.53%	1.35%	2.78%	1.61%	0.28%	1.75%	3.23%	1.11%			
% of hours reserved	year-to-date	1.34%	1.91%	1.71%	1.98%	1.90%	1.63%	1.65%	1.85%	1.77%			
Days to Correction *	,												
Avg. number of days to correction	in the month	3.00	2.00	2.50	3.00	2.00	0.00	2.67	2.75	0.00			
Avg. number of days to correction	year-to-date	3.00	2.50	2.50	2.60	2.50	2.50	2.56	2.62	2.62			
Days Without Corrections	•												
Days without corrections	in the month	30	27	29	29	30	30	28	27	30			
Days without corrections	year-to-date	30	57	86	115	145	175	203	230	260			
2024		lanuary	Fobruary	March	April	May	luno	luk	August	Sontombor	Octobor	November	Docombor
2021		<u>January</u>	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	<u>December</u>
Hour Corrections	in the month		<u>February</u>			<u>May</u>						November	
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% 0.00%	1 672 0.15% 0.07%	0 743 0.00% 0.05%	2 720 0.28% 0.10%	1 744 0.13%	0 720 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%	0 744 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	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	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 % of intervals corrected % of intervals corrected	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 % 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%	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	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%	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	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	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%	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	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	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%  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%	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  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%

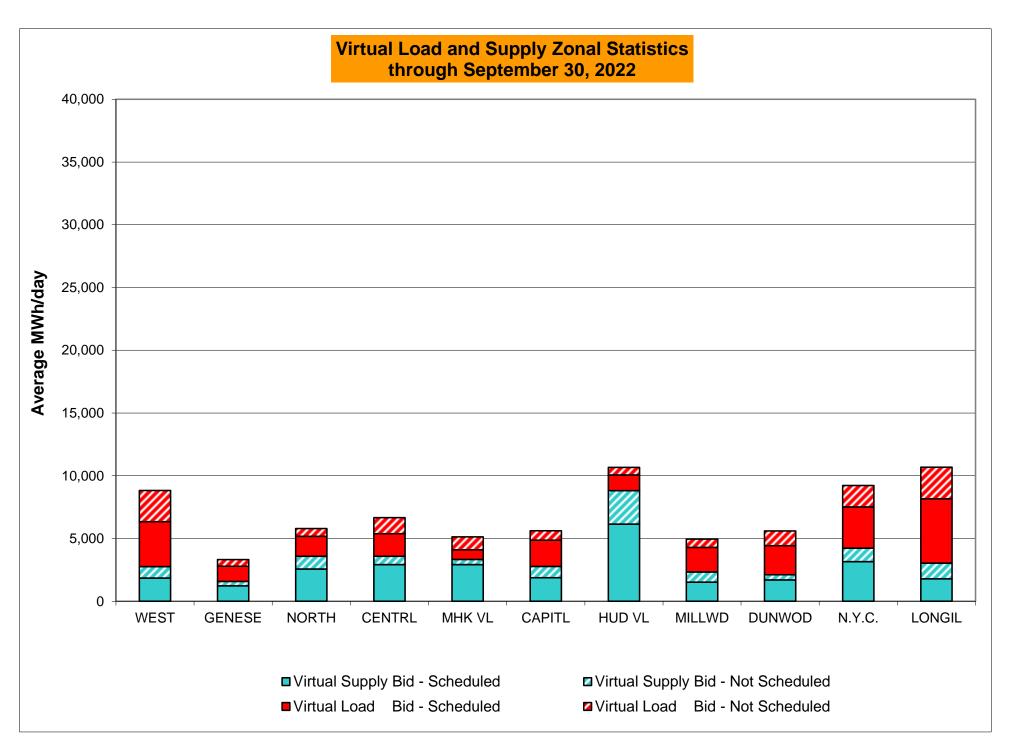
<sup>\*</sup>Calendar days from reservation date; for June 2018 forward, business days from market date



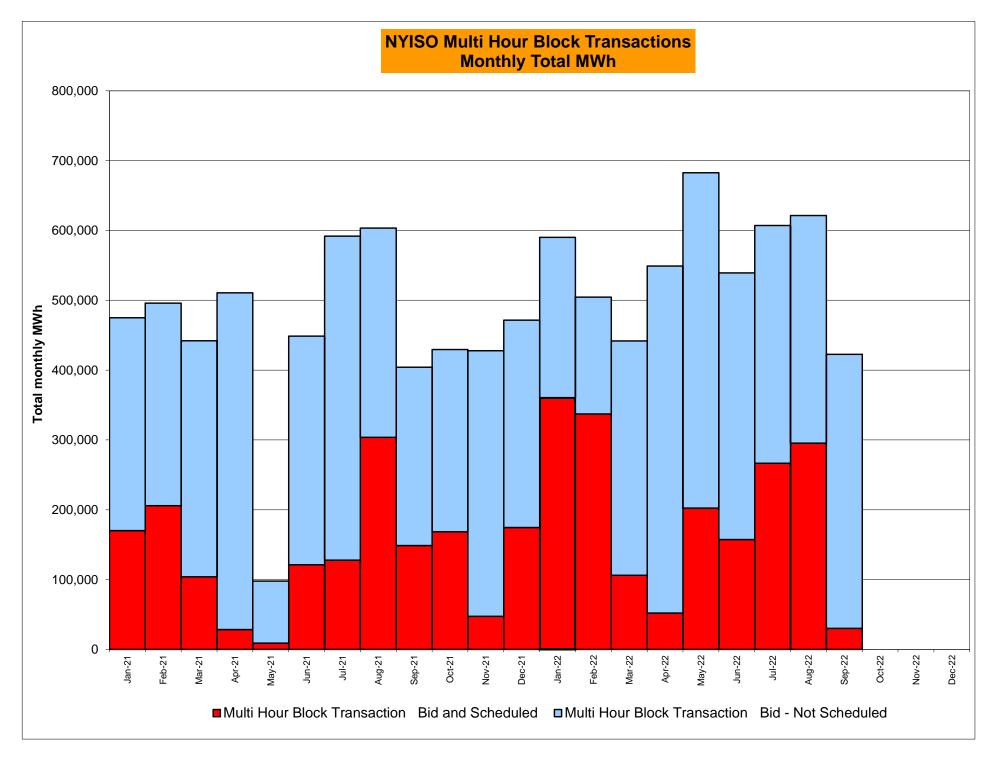


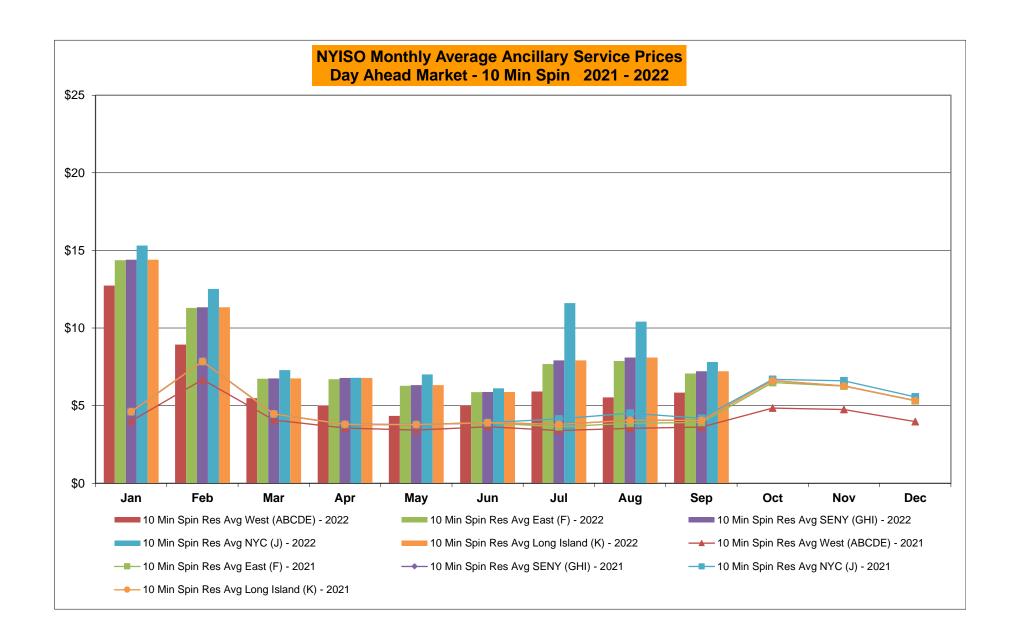
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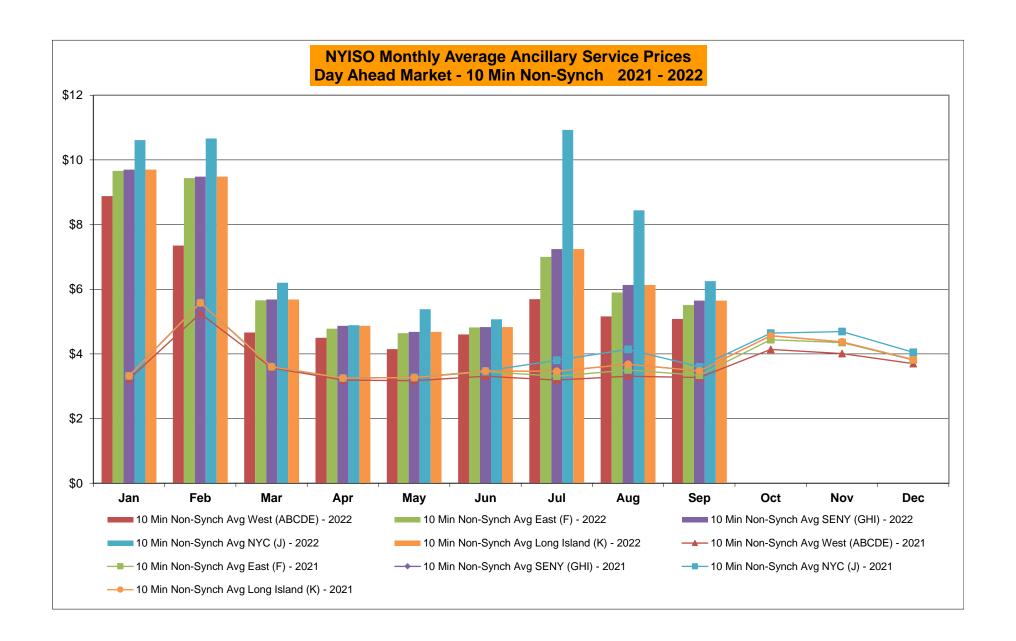


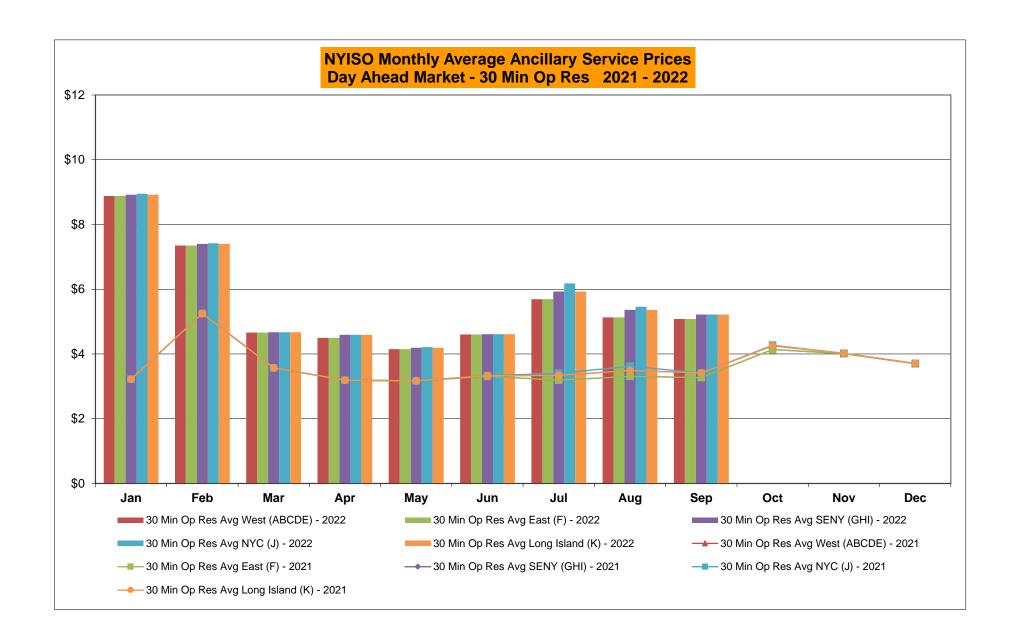


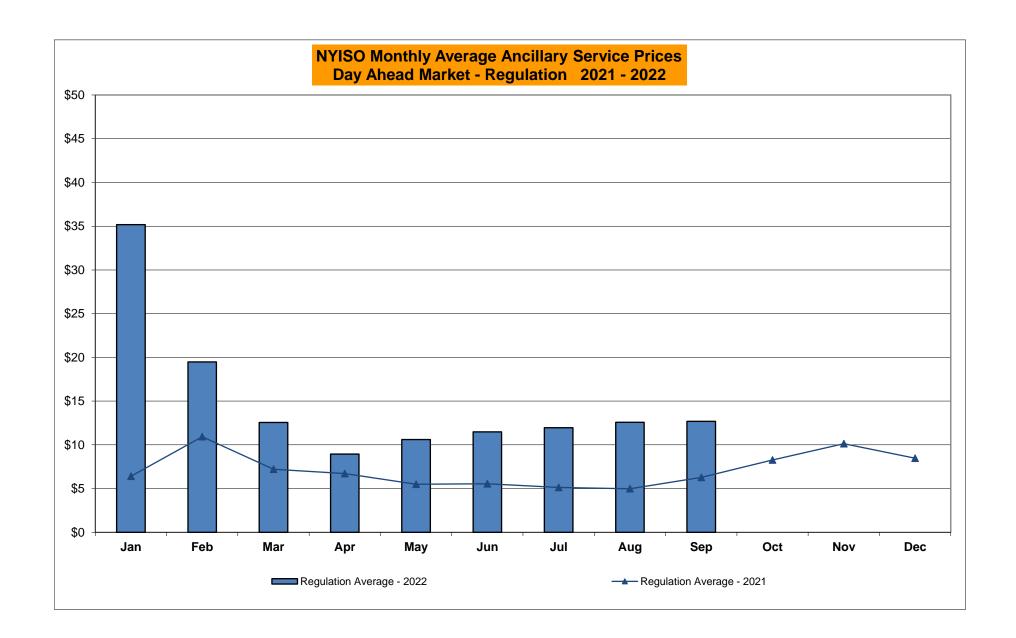
		Virtual Lo		Virtual S	upply Bid			Virtual Load Bid Virtual Su						Virtual L		Virtual Supply Bid	
_			Not		Not				Not		Not	_			Not		Not
Zone	Date		Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled
WEST	Jan-22	2,754	1,900	2,076	1,276	MHK VL	Jan-22	722		1,245		DUNWOD	Jan-22	1,376	1,851	652	
	Feb-22 Mar-22	2,773 3,702	1,170	3,027	908 526		Feb-22	1,830 2,263	386 131	1,518 1,506			Feb-22 Mar-22	1,696	1,004 954	1,218 1,944	
	Apr-22	3,702	830 1,016	2,480 2,214	402		Mar-22 Apr-22	1,848	208	1,483			Apr-22	1,427 2,229	1,069	1,944	
	May-22	5,740	1,010	1,473	670		May-22	1,108	254	2,338			May-22	1,752	1,335	1,505	
	Jun-22	6,049	2,343	1,239	1,048		Jun-22	1,021	423	2,636			Jun-22	1,859	1,430	1,940	
	Jul-22	4,521	2,537	1,837	945		Jul-22	316		2,895			Jul-22	2,607	2,043	1,316	
	Aug-22	3,954	2,685	1,252	848		Aug-22	831	937	2,676			Aug-22	3,445	1,762	1,218	
	Sep-22	3,586	2,483	1,848	907		Sep-22	770		2,924	408		Sep-22	2,309	1,182	1,694	413
	Oct-22			-			Oct-22						Oct-22				
	Nov-22						Nov-22						Nov-22				
	Dec-22	p-22		Dec-22						Dec-22							
GENESE	Jan-22	722	464	1,058	319	CAPITL	Jan-22	2,536	2,157	749	695	N.Y.C.	Jan-22	2,341	3,279	1,155	349
	Feb-22	853	293	1,560	395		Feb-22	3,700	1,211	1,075	785	1111101	Feb-22	2,889	1,668	1,938	607
	Mar-22	1,615	190	1,176	265		Mar-22	2,660	1,045	1,450			Mar-22	1,769	1,526	·	
	Apr-22	1,226	244	1,415	354		Apr-22	1,761	610	2,274	843		Apr-22	1,341	1,172	2,530	
	May-22	994	302	2,104	636		May-22	2,118	868	2,609	669		May-22	2,215	1,517	2,425	405
	Jun-22	728	542	2,426	453		Jun-22	1,856	697	2,784	832		Jun-22	3,113		2,501	613
	Jul-22	670	463	2,060	346		Jul-22	1,621	1,170	2,543			Jul-22	6,842	2,441	1,795	1,265
	Aug-22		526	2,080	281		Aug-22	2,663	1,016	1,795	503		Aug-22	5,333	2,800	1,856	1,023
	Sep-22	1,207	531	1,224	356		Sep-22	2,104	739	1,874	893		Sep-22	3,294	1,702	3,151	1,077
	Oct-22						Oct-22						Oct-22				
	Nov-22						Nov-22						Nov-22 Dec-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	· ·		Feb-22	4,110	1,658	1,021	355
	Mar-22		148		699	_	Mar-22	960					Mar-22	5,091	1,935		
	Apr-22		165	2,180	885		Apr-22	1,400		5,721			Apr-22	4,736	·		
	May-22 Jun-22	1,501 1,641	233 492	1,889 2,160	1,039 710		May-22 Jun-22	1,035 697	300 518	5,637 6,290			May-22 Jun-22	3,361 4,316	2,766 2,375	·	
	Jul-22	1,483	492	1,987	477	_	Jul-22	1,107	1,052	5,336			Jul-22	4,310		1,773	
	Aug-22	797	609	3,024	964		Aug-22	1,107	680	5,271	2,379		Aug-22	4,724	2,386	·	
	Sep-22		613		1,027		Sep-22	1,250		6,145			Sep-22				·
	Oct-22		010	2,001	1,027		Oct-22	1,200	000	0,110	2,071		Oct-22	0,120	2,010	1,707	
	Nov-22						Nov-22						Nov-22				 I
	Dec-22						Dec-22						Dec-22				
CENTRI	lon 22	1 217	1 204	1 104	264	MILLWD	lon 22	1 104	GE 4	967	262	NVICO	lon 22	10.000	16 101	15.022	E 400
CENTRL	Jan-22 Feb-22	1,317 1,665	1,284 499	1,104 1,780	364 409	MILLWD	Jan-22 Feb-22	1,104 1,805		867 1,367	262 312	NYISO	Jan-22 Feb-22	19,089 23,629	16,494 8,972	15,023 21,545	
	Mar-22	3,731	251	1,780	338		Mar-22	1,413		2,038			Mar-22	25,823	7,554	25,430	
	Apr-22	4,837	390	1,415	307		Apr-22	2,136		1,257			Apr-22	26,526		22,626	
	May-22		267	1,845	543		May-22	2,011	277	1,628			May-22				
	Jun-22	1,597	718	2,303	368		Jun-22	1,725		· ·			Jun-22	24,602		28,164	7,511
	Jul-22	1,108	1,071	2,051	464		Jul-22	2,248					Jul-22	26,648			
	Aug-22	1,172	1,149	2,338	628		Aug-22	2,387	686				Aug-22	27,852	15,237	24,733	
	Sep-22	1,809	1,280	2,915	663		Sep-22	1,966		1,527			Sep-22	25,005	13,325		
	Oct-22						Oct-22						Oct-22				
	Nov-22						Nov-22						Nov-22				
	Dec-22						Dec-22						Dec-22				

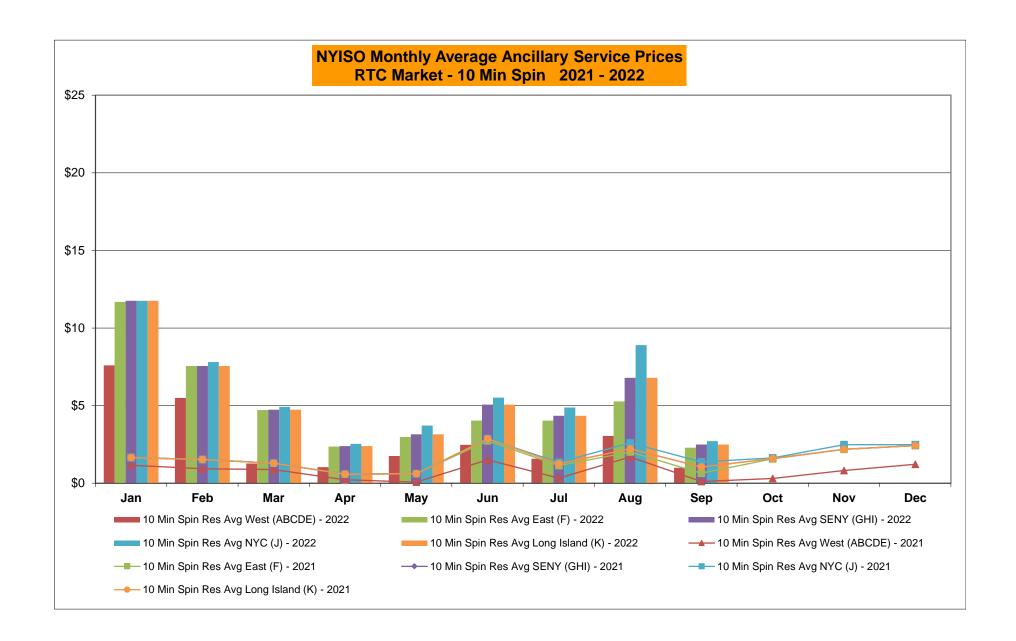


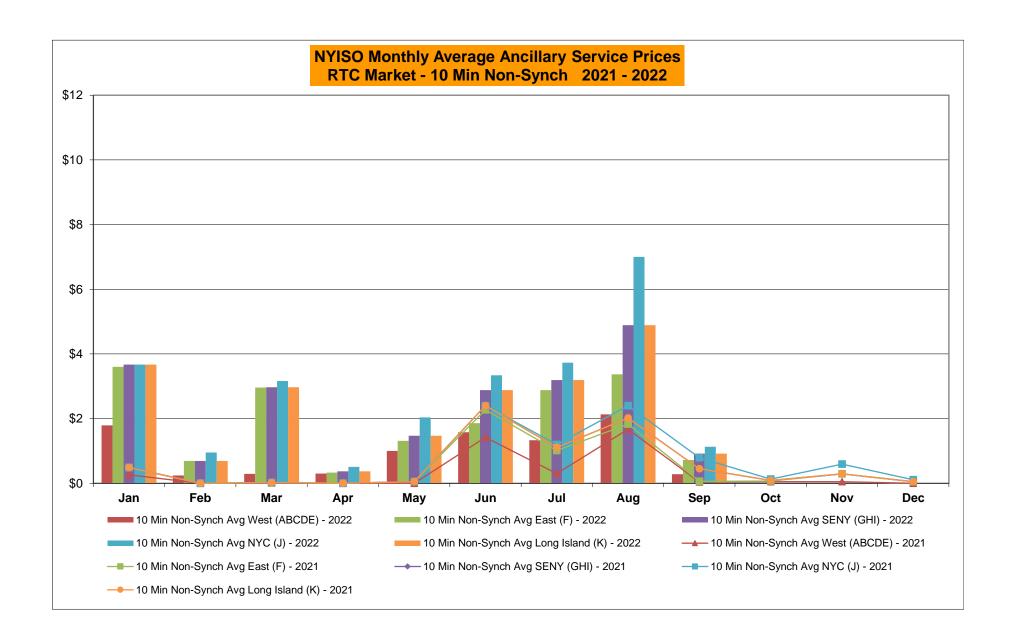


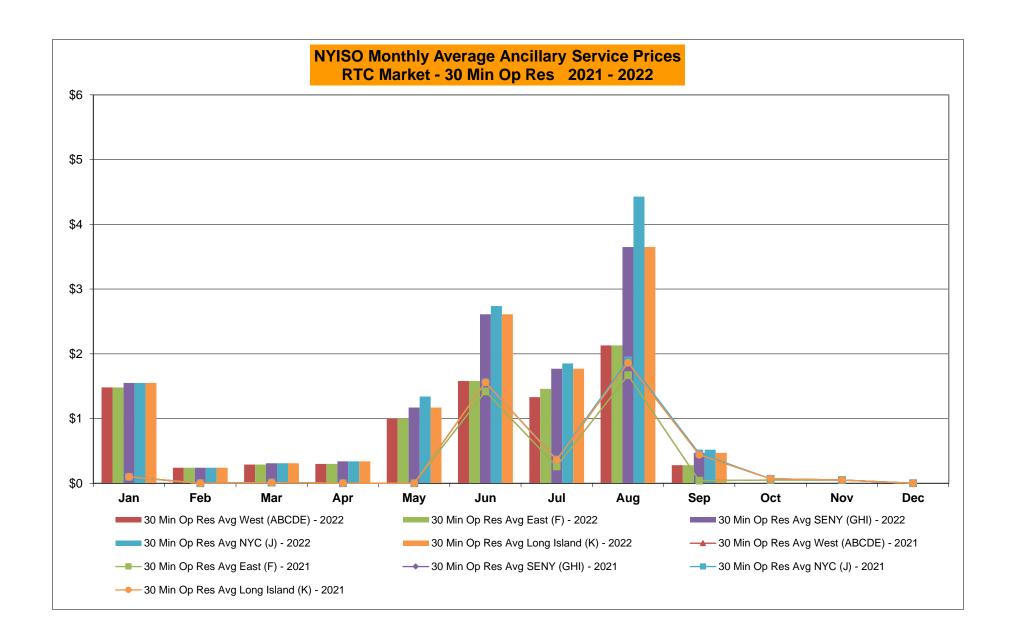


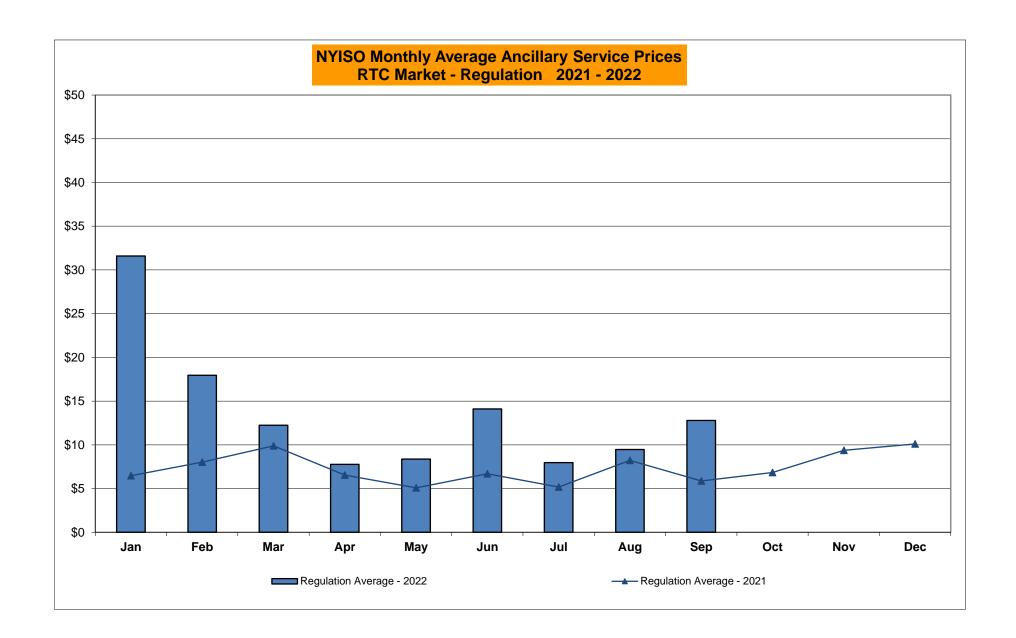


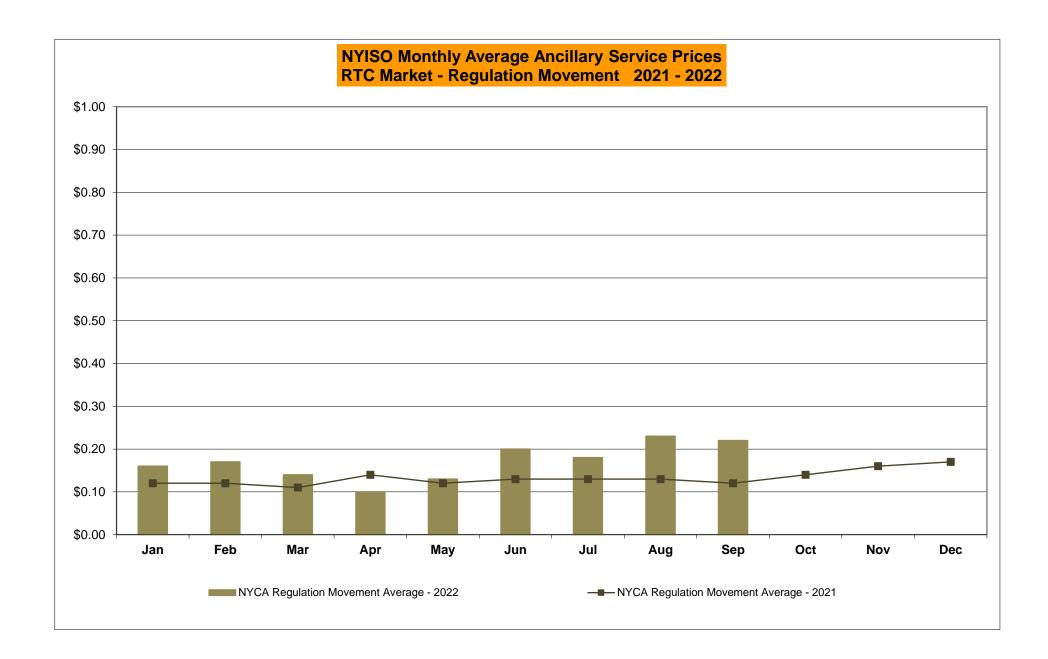


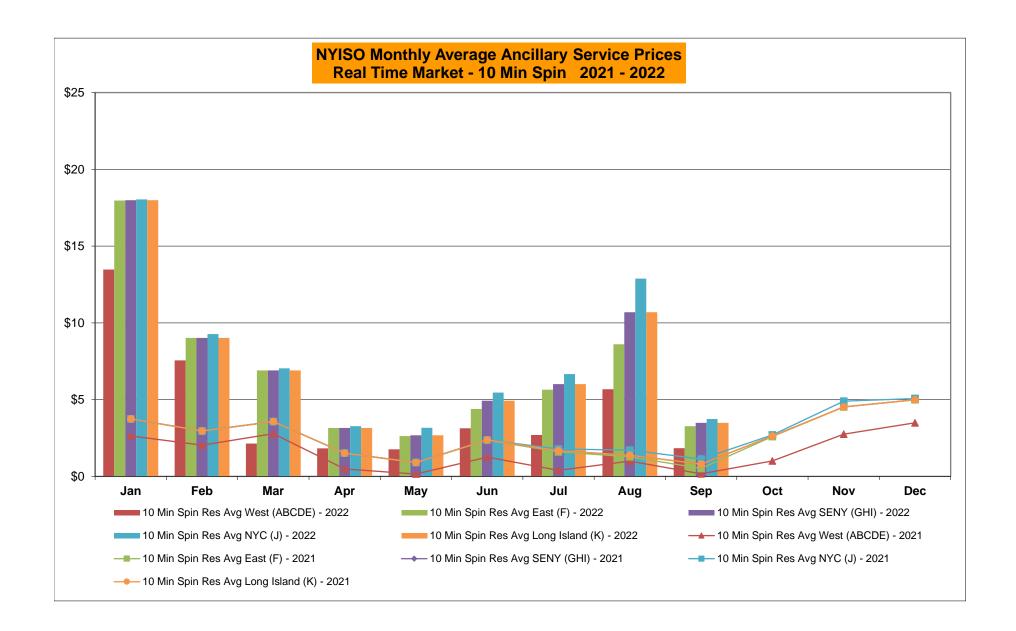


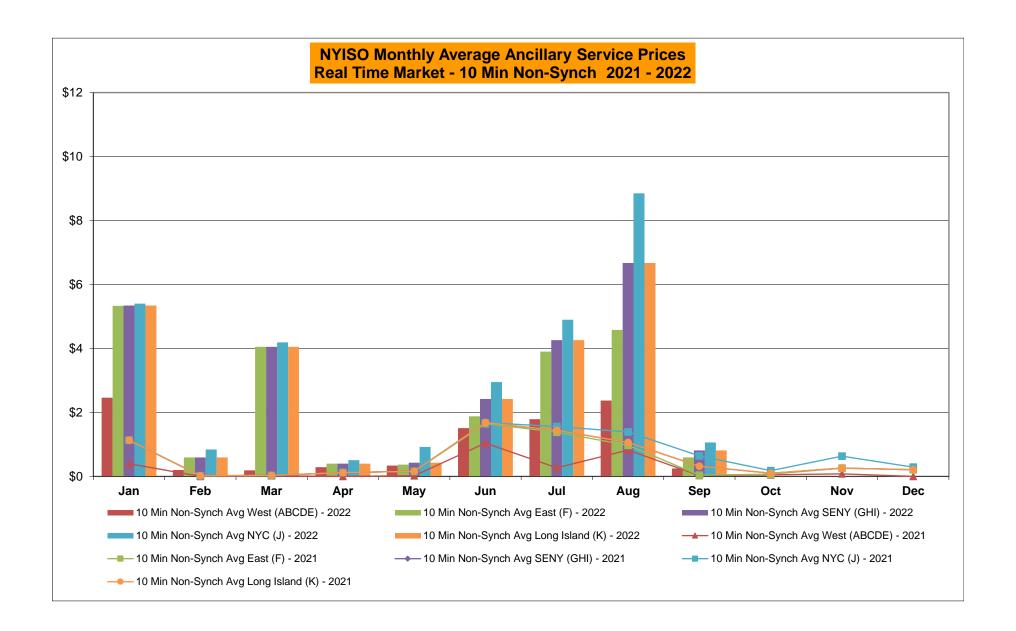


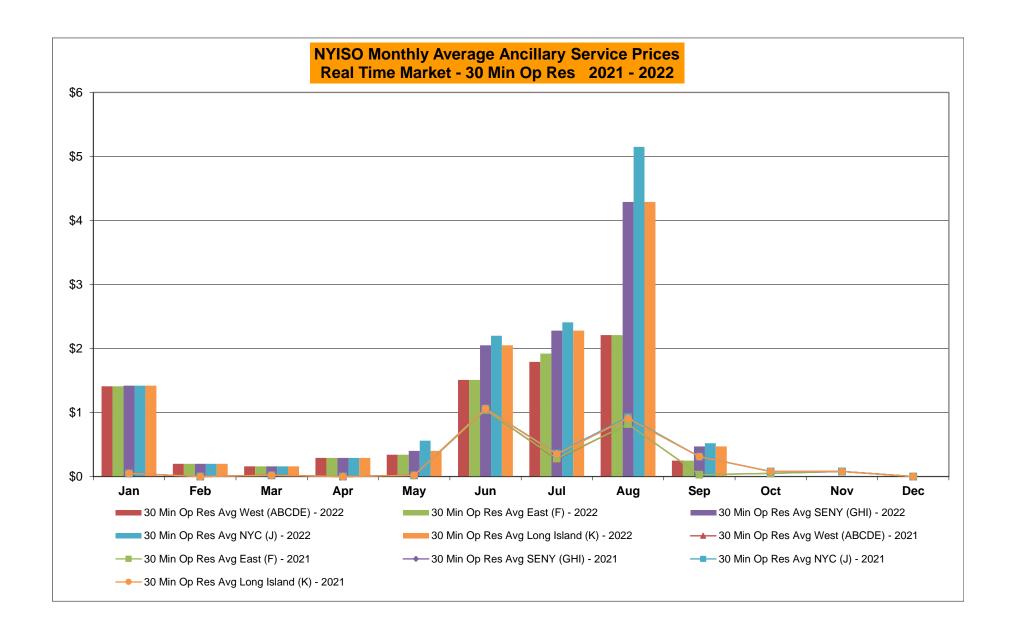


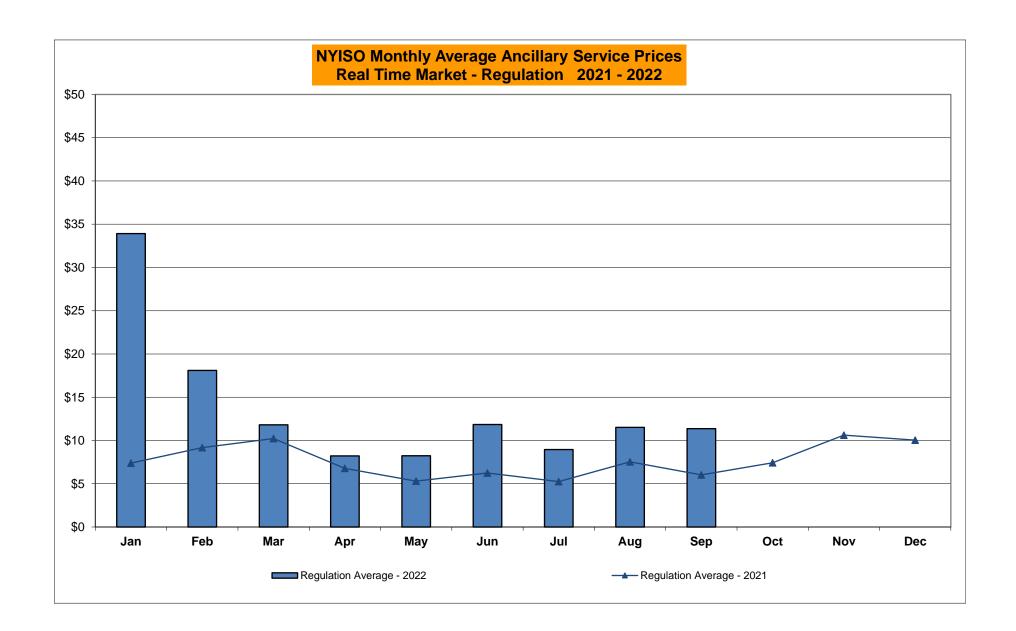


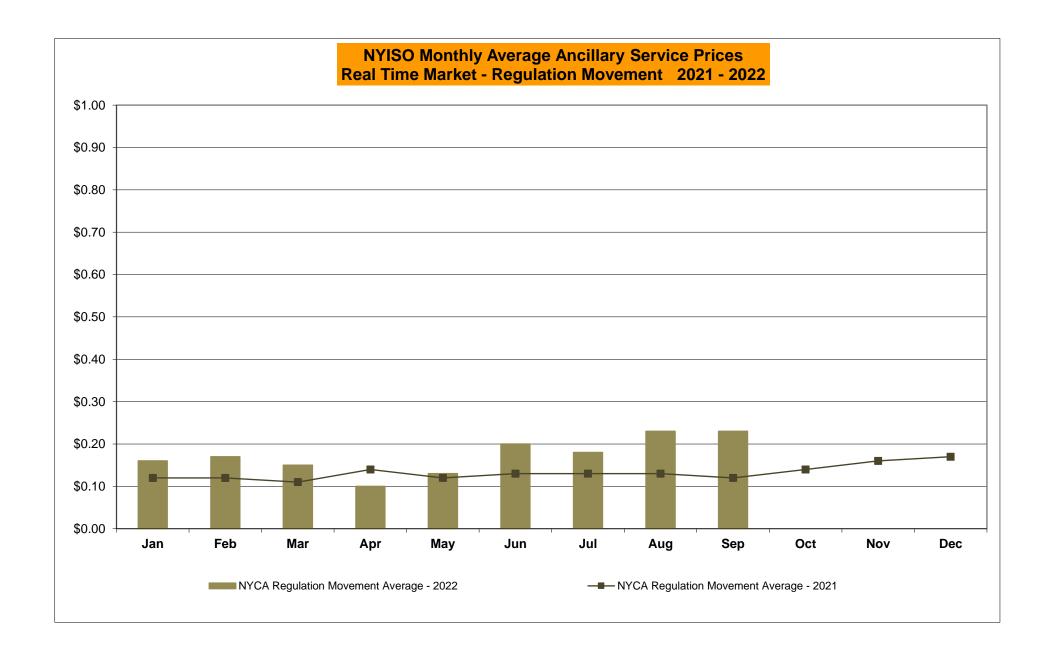












## NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - DAM

2022 Day Ahead Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	October	November	December
10 Min Spin Long Island (K)	14.40	11.34	6.76	6.79	6.32	5.88	7.92	8.10	7.22			
10 Min Spin NYC (J)	15.32	12.52	7.29	6.80	7.01	6.12	11.61	10.41	7.81			
10 Min Spin SENY (GHI)	14.40	11.34	6.76	6.79	6.32	5.88	7.92	8.10	7.22			
10 Min Spin East (F)	14.37	11.30	6.74	6.70	6.28	5.87	7.68	7.88	7.07			
10 Min Spin West (ABCDE)	12.74	8.93	5.48	5.01	4.34	4.99	5.91	5.53	5.84			
10 Min Non Synch Long Island (K)	9.70	9.48	5.68	4.87	4.68	4.83	7.24	6.13	5.65			
10 Min Non Synch NYC (J)	10.61	10.66	6.20	4.89	5.38	5.07	10.93	8.44	6.25			
10 Min Non Synch SENY (GHI)	9.70	9.48	5.68	4.87	4.68	4.83	7.24	6.13	5.65			
10 Min Non Synch East (F)	9.66	9.44	5.66	4.78	4.64	4.82	7.00	5.90	5.51			
10 Min Non Synch West (ABCDE)	8.88	7.35	4.66	4.50	4.15	4.60	5.69	5.16	5.08			
30 Min Long Island (K)	8.92	7.40	4.67	4.59	4.19	4.61	5.93	5.36	5.22			
30 Min NYC (J)	8.95	7.42	4.67	4.59	4.21	4.61	6.18	5.46	5.22			
30 Min SENY (GHI)	8.92	7.40	4.67	4.59	4.19	4.61	5.93	5.36	5.22			
30 Min East (F)	8.88	7.35	4.66	4.50	4.15	4.60	5.69	5.13	5.08			
30 Min West (ABCDE)	8.88	7.35	4.66	4.50	4.15	4.60	5.69	5.13	5.08			
Regulation	35.17	19.48	12.56	8.94	10.61	11.49	11.96	12.58	12.68			
<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>	September	<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	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 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 3.25	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 4.46 4.07 3.60 3.60 3.60 3.60	3.80 3.81 3.80 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 3.22 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 3.17 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 3.82 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 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 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 Long Island (K)  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 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	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 3.19 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 3.17	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 3.33	3.80 4.14 3.80 3.64 3.40 3.46 3.80 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 3.81 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 NYC (J)  30 Min SENY (GHI)  30 Min East (F)	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 4.46 4.07 3.60 3.60 3.57 3.57 3.57 3.57 3.57	3.80 3.81 3.80 3.56 3.25 3.25 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 3.80 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 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 Long Island (K)  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 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	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 3.19 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 3.17	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 3.33	3.80 4.14 3.80 3.64 3.40 3.46 3.80 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 3.81 3.70 3.71 3.71

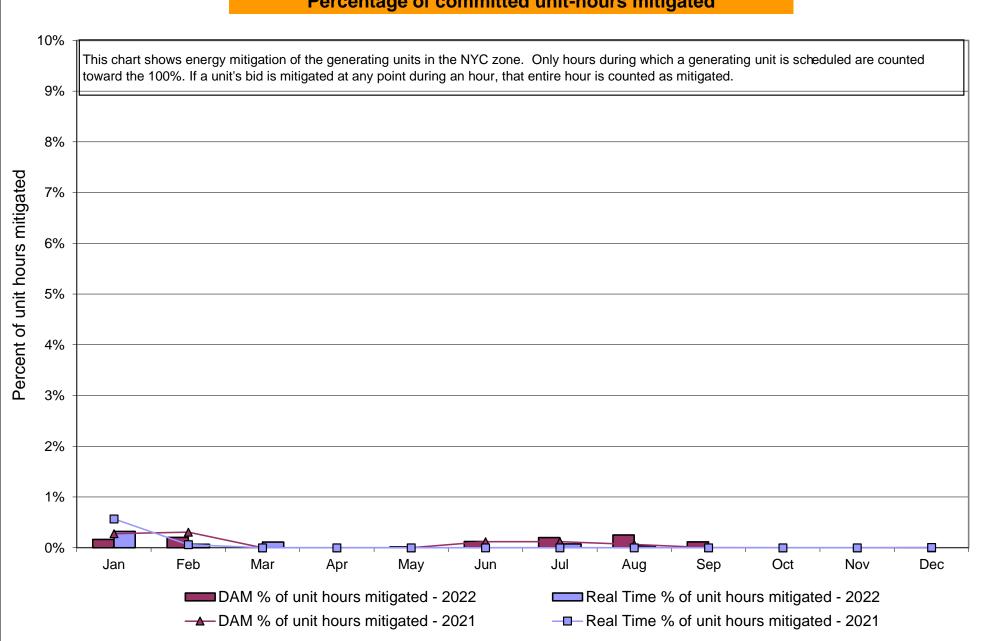
## NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RTC

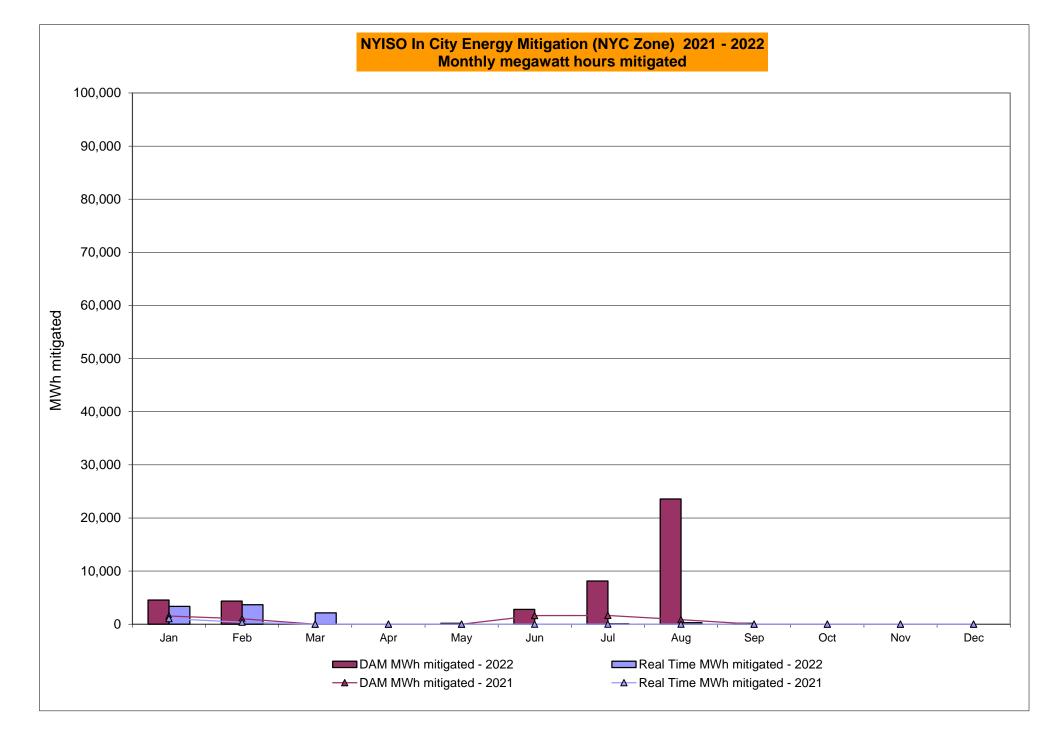
2022	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
RTC Market	44.75	7.55	4.70	0.00	2.45	F 00	4.24	C 70	2.40			
10 Min Spin Long Island (K)	11.75	7.55	4.73	2.39	3.15	5.06	4.34	6.79	2.49			
10 Min Spin NYC (J)	11.75 11.75	7.81	4.92	2.53	3.72	5.51	4.88	8.90	2.71			
10 Min Spin SENY (GHI)		7.55	4.73	2.39	3.15	5.06	4.34	6.79	2.49			
10 Min Spin East (F)	11.68	7.55	4.71	2.36	2.98	4.03	4.03	5.27	2.29			
10 Min Spin West (ABCDE)	7.59	5.49	1.27	1.03	1.75	2.47	1.58	3.05	0.99			
10 Min Non Synch Long Island (K)	3.67	0.69	2.97	0.37	1.47	2.88	3.19	4.89	0.92			
10 Min Non Synch NYC (J)	3.67	0.95	3.16	0.51	2.04	3.34	3.73	7.00	1.13			
10 Min Non Synch SENY (GHI)	3.67	0.69	2.97	0.37	1.47	2.88	3.19	4.89	0.92			
10 Min Non Synch East (F)	3.60	0.69	2.96	0.33	1.31	1.86	2.88	3.37	0.72			
10 Min Non Synch West (ABCDE)	1.79	0.24	0.29	0.30	1.00	1.58	1.33	2.13	0.28			
30 Min Long Island (K)	1.55	0.24	0.31	0.34	1.17	2.61	1.77	3.65	0.47			
30 Min NYC (J)	1.55	0.24	0.31	0.34	1.34	2.74	1.85	4.43	0.52			
30 Min SENY (GHI)	1.55	0.24	0.31	0.34	1.17	2.61	1.77	3.65	0.47			
30 Min East (F)	1.48	0.24	0.29	0.30	1.00	1.58	1.46	2.13	0.28			
30 Min West (ABCDE)	1.48	0.24	0.29	0.30	1.00	1.58	1.33	2.13	0.28			
Regulation	31.59	17.95	12.23	7.77	8.36	14.11	7.96	9.46	12.79			
NYCA Regulation Movement	0.16	0.17	0.14	0.10	0.13	0.20	0.18	0.23	0.22			
<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	•	•										
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)	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 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)	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 0.02 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 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	1.04 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	0.58 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	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 1.67	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 1.16 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 Long Island (K)  30 Min SENY (GHI)	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 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 Long Island (K)  30 Min SENY (GHI)	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 0.00

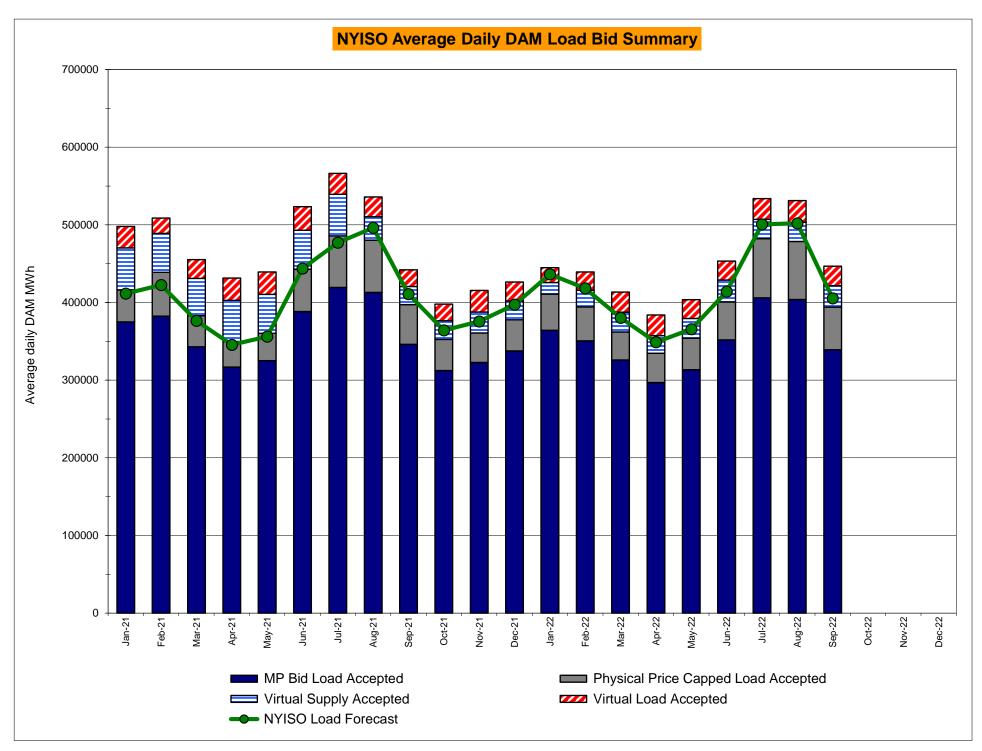
## NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RT

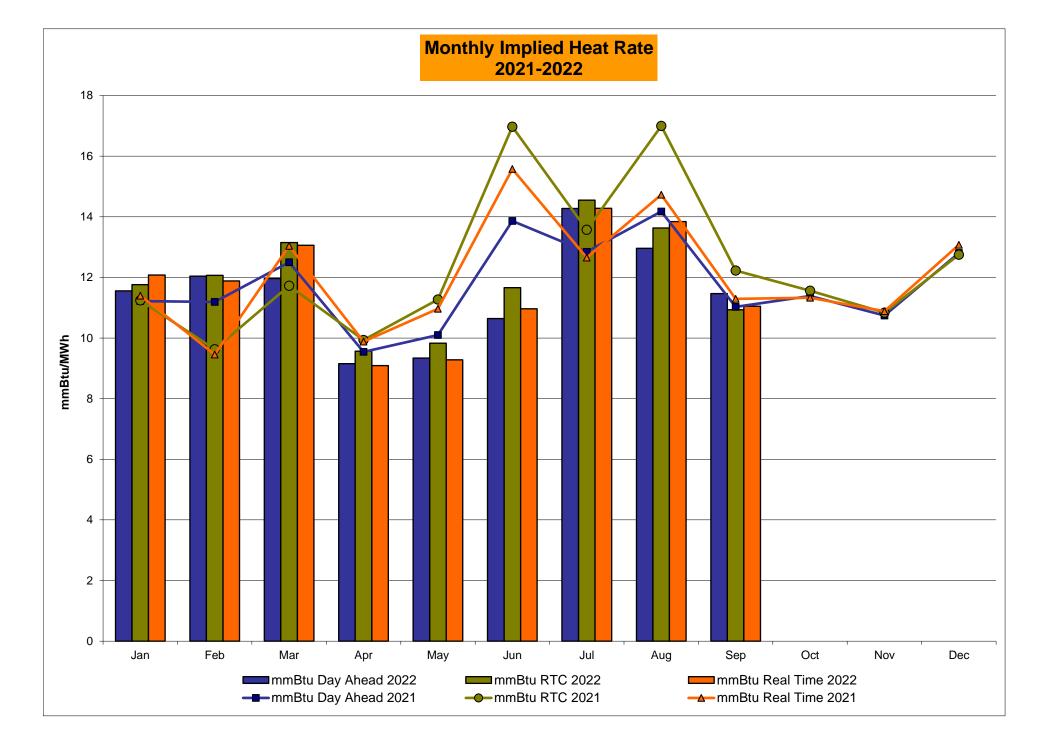
2022 Real Time Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
10 Min Spin Long Island (K)	17.99	9.02	6.90	3.15	2.68	4.93	6.01	10.69	3.49			
10 Min Spin NYC (J)	18.04	9.27	7.04	3.27	3.17	5.46	6.66	12.88	3.74			
10 Min Spin SENY (GHI)	17.99	9.02	6.90	3.15	2.68	4.93	6.01	10.69	3.49			
10 Min Spin East (F)	17.97	9.02	6.90	3.15	2.62	4.39	5.65	8.61	3.27			
10 Min Spin West (ABCDE)	13.47	7.56	2.14	1.83	1.76	3.13	2.70	5.68	1.84			
10 Min Non Synch Long Island (K)	5.34	0.59	4.05	0.40	0.43	2.42	4.26	6.67	0.81			
10 Min Non Synch NYC (J)	5.40	0.84	4.19	0.51	0.92	2.95	4.90	8.85	1.06			
10 Min Non Synch SENY (GHI)	5.34	0.59	4.05	0.40	0.43	2.42	4.26	6.67	0.81			
10 Min Non Synch East (F)	5.33	0.59	4.05	0.40	0.37	1.88	3.90	4.58	0.59			
10 Min Non Synch West (ABCDE)	2.46	0.20	0.19	0.29	0.34	1.51	1.79	2.37	0.25			
30 Min Long Island (K)	1.42	0.20	0.16	0.29	0.40	2.05	2.28	4.29	0.47			
30 Min NYC (J)	1.42	0.20	0.16	0.29	0.56	2.20	2.41	5.15	0.52			
30 Min SENY (GHI)	1.42	0.20	0.16	0.29	0.40	2.05	2.28	4.29	0.47			
30 Min East (F)	1.41	0.20	0.16	0.29	0.34	1.51	1.92	2.21	0.25			
30 Min West (ABCDE)	1.41	0.20	0.16	0.29	0.34	1.51	1.79	2.21	0.25			
Regulation	33.92	18.10	11.81	8.22	8.23	11.84	8.95	11.52	11.36			
NYCA Regulation Movement	0.16	0.17	0.15	0.10	0.13	0.20	0.18	0.23	0.23			
<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>
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 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
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	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 0.05	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	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 0.00 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)	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 0.16 0.02 0.02 0.12	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 Non Synch West (ABCDE)  30 Min Long Island (K)  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 0.00 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	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 0.36 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	0.80 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 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 SENY (GHI)  30 Min SENY (GHI)  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 0.02 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	1.67 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 0.27	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 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 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 0.00 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	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 0.36 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	0.80 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 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

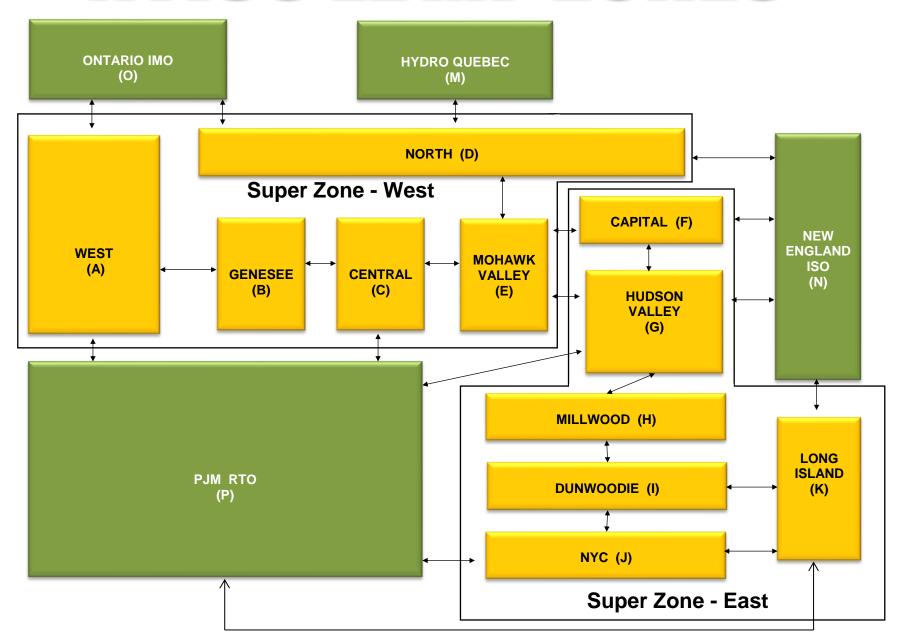








# NYISO LBMP ZONES



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#### **Billing Codes for Chart C**

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

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## **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



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

**Upcoming Compliance Filings** 

Filing Due Date	Upcoming Compliance Filings (Description)	Docket Number
	NYISO filing to FERC in response to the Commission's July 28, 2022 order to show cause alleging that the NYISO tariff appears to be unjust and unreasonable in the absence of (1) mark-to-auction mechanisms for the calculation of financial transmission right (FTR) market participants' collateral requirements and/or (2) volumetric minimum collateral requirements for FTR market participants.	EL22-64-000
	NYISO compliance filing to FERC in response to the Commission's June 16, 2022 order directing NYISO to file a further compliance filing that allows DERs in heterogeneous aggregations to provide all of the ancillary services they are technically capable of providing through aggregation.	ER21-2460-000

**Recently Issued Orders** 

Filing Date	Filing Summary (Order Issued)	Order Date	Order Summary	Docket Number
	NYISO Section 205 filing to FERC of an Engineering, Procurement, and Construction Agreement among NYISO, KCE NY6, Niagara Wind Power, Erie Wind, and National Grid.		An Order accepted the submission, effective July 22, 2022, as requested.	ER22-2605-000
	NYISO Section 205 filing to FERC of an Engineering, Procurement, and Construction Agreement among NYISO, NextEra Transmission New York, and Excelsior Energy Center.		An Order accepted the submission, effective July 29, 2022, as requested.	ER22-2647-000
	NYISO compliance filing, on behalf of Niagara Mohawk, to FERC of proposed tariff revisions to comply with FERC's March 31, 2022 order and Order No. 864.		An Order accepted the submission, effective January 27, 2020, as requested.	ER20-2051-003

**Recently Submitted Filings** 

Filing Date	Filing Summary	Docket Number
09/30/2022	NYISO informational filing to FERC as directed in the Commission's January 23, 2020 order, related to NYISO's distributed energy resource (DER) filings.	ER19-2276-005

#### FINAL

N/TL		
10/04/2022	NYISO-Central Hudson joint Section 205 filing to FERC of an Engineering, Procurement, and Construction Agreement among the NYISO, Central Hudson, and Flint Mine Solar, LLC, in connection with the Flint Mine Solar project.	ER23-15-000
10/05/2022	NYISO-NYSEG joint Section 205 filing to FERC of a Small Generator Interconnection Agreement among NYISO, NYSEG, SunEast Highview Solar LLC, for the Highview Solar Project.	ER23-19-000
10/06/2022	NYISO filing to FERC of a notice of cancellation of the Engineering, Procurement, and Construction Agreement among NYISO, PPM Roaring Brook, LLC, and NYPA, in connection with the Roaring Brook wind facility.	ER23-27-000
10/07/2022	ISO/RTO Council filing to FERC of comments in response to the Commission's July 28, 2022, Notice of Proposed Rulemaking on Credit-Related Information Sharing in Organized Wholesale Electric Markets.	RM22-13-000
10/11/2022	NYISO-NYSEG joint Section 205 filing to FERC of an Amended and Restated Small Generator Interconnection Agreement among the NYISO, NYSEG, and SunEast Dog Corners Solar, for the Dog Corners Solar project.	ER23-60-000
10/11/2022	NYISO filing to FERC of comments in support of Independent Power Producers of New York, Inc.'s October 5, 2022 request for expedited action on remand by the Commission.	ER21-502-00
10/13/2022	NYISO-NYSEG joint Section 205 filing to FERC of a Small Generator Interconnection Agreement among NYISO, NYSEG, and SunEast Valley Solar, for the Valley Solar Project.	ER23-77-000
10/13/2022	NYISO-Central Hudson joint Section 205 filing to FERC of a Large Generator Interconnection Agreement among NYISO, Central Hudson, and KCE NY 2, LLC, for the KCE NY 2 Project.	ER23-78-000
10/13/2022	NYISO filing to FERC of comments in response to the Commission's June 16, 2022, Notice of Proposed Rulemaking on Improvements to Generator Interconnection Procedures and Agreements.	RM22-14-000
10/18/2022	NYISO informational report filing to FERC as directed in the Commission's April 21, 2022 order directing reports related to the role of capacity markets in the RTOs/ISOs and their constructs in light state policies' effects on resource entry and exit.	AD21-10-000