

# NYISO CEO/COO Report

Rich Dewey
President & Chief Executive Officer

#### **Rick Gonzales**

Senior Vice President & Chief Operating Officer

#### **Management Committee Meeting:**

May 25, 2022 Rensselaer, NY

# NYISO CEO/COO Report

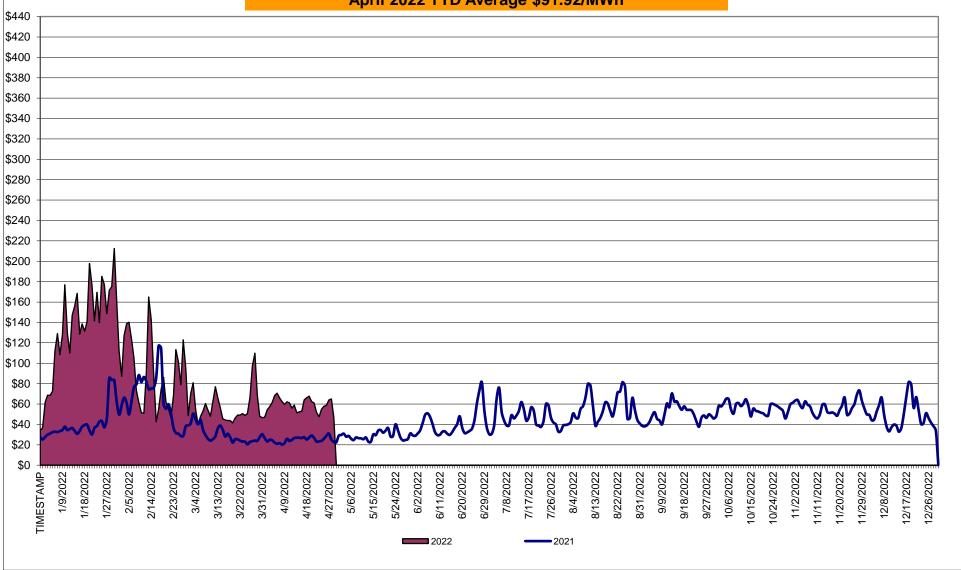
- CEO Report
- COO Report
  - Market Performance Highlights For Information Only
  - Operations Performance Metrics Monthly Report



# Market Performance Highlights April 2022

- LBMP for April is \$56.46/MWh; lower than \$56.78/MWh in March 2022 and higher than \$22.79/MWh in April 2021.
  - Day Ahead Load Weighted LBMPs are higher and Real Time Load Weighted LBMPs are lower compared to March.
- April 2022 average year-to-date monthly cost of \$91.92/MWh is a 117% increase from \$42.41/MWh in April 2021.
- Average daily sendout is 359 GWh/day in April; lower than 390 GWh/day in March 2022 and higher than 354 GWh/day in April 2021.
- Natural gas prices and distillate prices are higher compared to the previous month.
  - Natural Gas (Transco Z6 NY) was \$6.13/MMBtu, up from \$4.47/MMBtu in March.
  - Natural gas prices (Transco Z6 NY) are up 187.8% year-over-year.
  - Jet Kerosene Gulf Coast was \$28.51/MMBtu, up from \$25.68/MMBtu in March.
  - Ultra Low Sulfur No.2 Diesel NY Harbor was \$28.26/MMBtu, up from \$27.02/MMBtu in March.
  - Distillate prices are up 121.9% year-over-year.
- Uplift per MWh is lower compared to the previous month.
  - Uplift (not including NYISO cost of operations) is (\$0.36)/MWh; lower than (\$0.09)/MWh in March.
    - Local Reliability Share is \$0.43/MWh, higher than \$0.27/MWh in March.
    - Statewide Share is (\$0.79)/MWh, lower than (\$0.36)/MWh in March.
  - TSA \$ per NYC MWh is \$0.00/MWh.
  - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than March.

# Daily NYISO Average Cost/MWh (Energy & Ancillary Services)\* 2021 Annual Average \$47.59/MWh April 2021 YTD Average \$42.41/MWh April 2022 YTD Average \$91.92/MWh

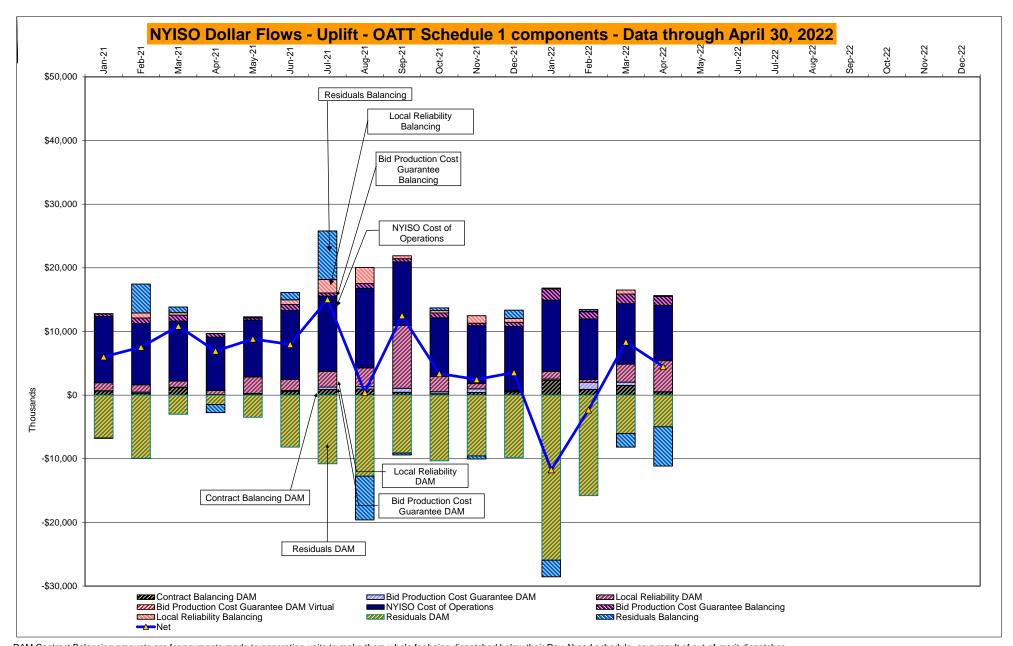


<sup>\*</sup> Excludes ICAP payments.

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

2022	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	134.79	94.06	56.78	56.46								
NTAC	1.43	0.95	1.48	1.17								
Reserve	1.26	1.21	0.83	0.81								
Regulation	0.27	0.19	0.17	0.12								
NYISO Cost of Operations	0.73	0.72	0.74	0.74								
FERC Fee Recovery	0.07	0.08	0.09	0.10								
Uplift	(1.50)	(1.73)	(0.09)	(0.36)								
Uplift: Local Reliability Share	0.09	0.04	0.27	0.43								
Uplift: Statewide Share	(1.59)	(1.77)	(0.36)	(0.79)								
Voltage Support and Black Start	0.42	0.41	0.43	0.43								
Avg Monthly Cost	137.41	95.82	60.34	59.38								
Avg YTD Cost	137.49	118.36	100.65	91.92								
TSA \$ per NYC MWh	0.00	2.98	0.00	0.00								
•												
2021	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	<u>September</u>	October	November	December
<b>2021</b> LBMP	<u>January</u> 37.83	February 63.70	<u>March</u> 28.59	<u>April</u> 22.79	<u>May</u> 25.72	<u>June</u> 39.37	<u>July</u> 45.16	<u>August</u> 55.48	September 47.68	October 52.97	November 53.92	December 47.99
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
LBMP NTAC Reserve Regulation	37.83 1.35	63.70 1.20	28.59 1.26	22.79 1.54	25.72 2.09	39.37 2.05	45.16 2.01	55.48 1.37 0.44 0.05	47.68 1.23	52.97 1.67	53.92 2.03	47.99 1.40
LBMP NTAC Reserve Regulation NYISO Cost of Operations	37.83 1.35 0.49	63.70 1.20 0.81	28.59 1.26 0.57	22.79 1.54 0.56	25.72 2.09 0.54	39.37 2.05 0.45	45.16 2.01 0.44	55.48 1.37 0.44	47.68 1.23 0.50	52.97 1.67 0.75	53.92 2.03 0.70	47.99 1.40 0.57
LBMP NTAC Reserve Regulation	37.83 1.35 0.49 0.07	63.70 1.20 0.81 0.13	28.59 1.26 0.57 0.09	22.79 1.54 0.56 0.10	25.72 2.09 0.54 0.08	39.37 2.05 0.45 0.07	45.16 2.01 0.44 0.06	55.48 1.37 0.44 0.05	47.68 1.23 0.50 0.09	52.97 1.67 0.75 0.13	53.92 2.03 0.70 0.15	47.99 1.40 0.57 0.11
LBMP NTAC Reserve Regulation NYISO Cost of Operations	37.83 1.35 0.49 0.07 0.74	63.70 1.20 0.81 0.13 0.74	28.59 1.26 0.57 0.09 0.74	22.79 1.54 0.56 0.10 0.74	25.72 2.09 0.54 0.08 0.76	39.37 2.05 0.45 0.07 0.76	45.16 2.01 0.44 0.06 0.76	55.48 1.37 0.44 0.05 0.76	47.68 1.23 0.50 0.09 0.75	52.97 1.67 0.75 0.13 0.74	53.92 2.03 0.70 0.15 0.75	47.99 1.40 0.57 0.11 0.73
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery	37.83 1.35 0.49 0.07 0.74 0.08	63.70 1.20 0.81 0.13 0.74 0.09	28.59 1.26 0.57 0.09 0.74 0.09	22.79 1.54 0.56 0.10 0.74 0.11	25.72 2.09 0.54 0.08 0.76 0.10	39.37 2.05 0.45 0.07 0.76 0.08	45.16 2.01 0.44 0.06 0.76 0.07	55.48 1.37 0.44 0.05 0.76 0.06	47.68 1.23 0.50 0.09 0.75 0.08	52.97 1.67 0.75 0.13 0.74 0.09	53.92 2.03 0.70 0.15 0.75 0.09	47.99 1.40 0.57 0.11 0.73 0.08
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift	37.83 1.35 0.49 0.07 0.74 0.08 (0.31)	63.70 1.20 0.81 0.13 0.74 0.09 (0.15)	28.59 1.26 0.57 0.09 0.74 0.09 0.11	22.79 1.54 0.56 0.10 0.74 0.11 (0.12)	25.72 2.09 0.54 0.08 0.76 0.10 (0.19)	39.37 2.05 0.45 0.07 0.76 0.08 (0.50)	45.16 2.01 0.44 0.06 0.76 0.07 (0.09)	55.48 1.37 0.44 0.05 0.76 0.06 (0.81)	47.68 1.23 0.50 0.09 0.75 0.08 0.00	52.97 1.67 0.75 0.13 0.74 0.09 (0.59)	53.92 2.03 0.70 0.15 0.75 0.09 (0.58)	47.99 1.40 0.57 0.11 0.73 0.08 (0.48)
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share	37.83 1.35 0.49 0.07 0.74 0.08 (0.31) 0.09	63.70 1.20 0.81 0.13 0.74 0.09 (0.15) 0.15	28.59 1.26 0.57 0.09 0.74 0.09 0.11 0.11	22.79 1.54 0.56 0.10 0.74 0.11 (0.12) 0.06	25.72 2.09 0.54 0.08 0.76 0.10 (0.19) 0.22	39.37 2.05 0.45 0.07 0.76 0.08 (0.50) 0.17	45.16 2.01 0.44 0.06 0.76 0.07 (0.09) 0.30	55.48 1.37 0.44 0.05 0.76 0.06 (0.81) 0.33	47.68 1.23 0.50 0.09 0.75 0.08 0.00 0.78	52.97 1.67 0.75 0.13 0.74 0.09 (0.59) 0.23	53.92 2.03 0.70 0.15 0.75 0.09 (0.58) 0.16	47.99 1.40 0.57 0.11 0.73 0.08 (0.48) 0.05
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share	37.83 1.35 0.49 0.07 0.74 0.08 (0.31) 0.09 (0.40)	63.70 1.20 0.81 0.13 0.74 0.09 (0.15) 0.15 (0.30)	28.59 1.26 0.57 0.09 0.74 0.09 0.11 0.11	22.79 1.54 0.56 0.10 0.74 0.11 (0.12) 0.06 (0.18)	25.72 2.09 0.54 0.08 0.76 0.10 (0.19) 0.22 (0.41)	39.37 2.05 0.45 0.07 0.76 0.08 (0.50) 0.17 (0.68)	45.16 2.01 0.44 0.06 0.76 0.07 (0.09) 0.30 (0.39)	55.48 1.37 0.44 0.05 0.76 0.06 (0.81) 0.33 (1.14)	47.68 1.23 0.50 0.09 0.75 0.08 0.00 0.78 (0.78)	52.97 1.67 0.75 0.13 0.74 0.09 (0.59) 0.23 (0.81)	53.92 2.03 0.70 0.15 0.75 0.09 (0.58) 0.16 (0.74)	47.99 1.40 0.57 0.11 0.73 0.08 (0.48) 0.05 (0.53)
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share Voltage Support and Black Start	37.83 1.35 0.49 0.07 0.74 0.08 (0.31) 0.09 (0.40) 0.43	63.70 1.20 0.81 0.13 0.74 0.09 (0.15) 0.15 (0.30) 0.43	28.59 1.26 0.57 0.09 0.74 0.09 0.11 0.11 0.00 0.43	22.79 1.54 0.56 0.10 0.74 0.11 (0.12) 0.06 (0.18) 0.44	25.72 2.09 0.54 0.08 0.76 0.10 (0.19) 0.22 (0.41) 0.44	39.37 2.05 0.45 0.07 0.76 0.08 (0.50) 0.17 (0.68) 0.44	45.16 2.01 0.44 0.06 0.76 0.07 (0.09) 0.30 (0.39) 0.44	55.48 1.37 0.44 0.05 0.76 0.06 (0.81) 0.33 (1.14) 0.44	47.68 1.23 0.50 0.09 0.75 0.08 0.00 0.78 (0.78)	52.97 1.67 0.75 0.13 0.74 0.09 (0.59) 0.23 (0.81) 0.43	53.92 2.03 0.70 0.15 0.75 0.09 (0.58) 0.16 (0.74)	47.99 1.40 0.57 0.11 0.73 0.08 (0.48) 0.05 (0.53) 0.42

<sup>\*</sup> Excludes ICAP payments. Market Mitigation and Analysis Prepared: 5/12/2022 11:23 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**

May

<u>June</u>

July

August September

March

January February

2022	January	rebluary	iviaicii	April	iviay	Julie	July	August	September	October	Movember	December
Day Ahead Market MWh	14,327,101	12,477,485	12,137,757	10,992,578								
DAM LSE Internal LBMP Energy Sales	57%	56%	59%	56%								
DAM External TC LBMP Energy Sales	7%	8%	3%	5%								
DAM Bilateral - Internal Bilaterals	28%	28%	29%	31%								
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	4%	4%	4%	5%								
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%								
DAM Bilateral - Wheel Through Bilaterals	2%	2%	2%	2%								
Balancing Energy Market MWh	942,823	742,449	758,386	772,666								
Balancing Energy LSE Internal LBMP Energy Sales	88%	83%	76%	60%								
Balancing Energy External TC LBMP Energy Sales	16%	19%	24%	33%								
Balancing Energy Bilateral - Internal Bilaterals	1%	2%	2%	0%								
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%								
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	4%	9%	8%	7%								
Balancing Energy Bilateral - Wheel Through Bilaterals	-9%	-13%	-10%	-1%								
Transactions Summary	0,0	,	.0,0	. ,,								
LBMP	67%	66%	65%	62%								
Internal Bilaterals	26%	27%	27%	29%								
Import Bilaterals	3%	4%	4%	4%								
Export Bilaterals	2%	2%	2%	2%								
Wheels Through	1%	1%	2%	2%								
Market Share of Total Load	1 70	1 70	270	270								
	00.00/	04.40/	04.40/	00.40/								
Day Ahead Market	93.8% 6.2%	94.4%	94.1% 5.9%	93.4% 6.6%								
Balancing Energy +		5.6%										
Total MWH		13,219,933										
Average Daily Energy Sendout/Month GWh	451	429	390	359								
2024	lonuoni	February	March	April	Mov	luno	luke	August	September	October	November	December
<u>2021</u>	<u>January</u>	rebluary	<u>iviai Cii</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	<u>September</u>	<u>October</u>	November	December
	-	-	10 0 10 070	44.004.000	44.054.044	4 4 400 000	15 0 10 70 1	40 000 000	40 750 550	44.050.040	44 400 404	10 000 500
Day Ahead Market MWh	14,108,848	13,325,329	12,843,278			14,120,662	15,843,724	16,032,238		, ,		13,068,538
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales	14,108,848 60%	13,325,329 59%	56%	55%	56%	61%	65%	64%	61%	59%	60%	57%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales	14,108,848 60% 5%	13,325,329 59% 4%	56% 3%	55% 2%	56% 2%	61% 3%	65% 2%	64% 4%	61% 3%	59% 4%	60% 3%	57% 6%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals	14,108,848 60% 5% 31%	13,325,329 59% 4% 30%	56% 3% 32%	55% 2% 35%	56% 2% 35%	61% 3% 29%	65% 2% 27%	64% 4% 26%	61% 3% 29%	59% 4% 30%	60% 3% 32%	57% 6% 30%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals	14,108,848 60% 5% 31% 1%	13,325,329 59% 4% 30% 4%	56% 3% 32% 4%	55% 2% 35% 5%	56% 2% 35% 4%	61% 3% 29% 4%	65% 2% 27% 3%	64% 4% 26% 3%	61% 3% 29% 4%	59% 4% 30% 4%	60% 3% 32% 3%	57% 6% 30% 3%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals	14,108,848 60% 5% 31% 1% 2%	13,325,329 59% 4% 30% 4% 2%	56% 3% 32% 4% 2%	55% 2% 35% 5% 2%	56% 2% 35% 4% 2%	61% 3% 29% 4% 1%	65% 2% 27% 3% 1%	64% 4% 26% 3% 1%	61% 3% 29% 4% 2%	59% 4% 30% 4% 2%	60% 3% 32% 3% 2%	57% 6% 30% 3% 2%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals	14,108,848 60% 5% 31% 1% 2% 2%	13,325,329 59% 4% 30% 4% 2% 2%	56% 3% 32% 4% 2% 3%	55% 2% 35% 5% 2% 2%	56% 2% 35% 4% 2% 2%	61% 3% 29% 4% 1% 2%	65% 2% 27% 3% 1% 2%	64% 4% 26% 3% 1% 2%	61% 3% 29% 4% 2% 2%	59% 4% 30% 4% 2% 2%	60% 3% 32% 3% 2% 1%	57% 6% 30% 3% 2% 2%
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Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals	14,108,848 60% 5% 31% 1% 2% 2%	13,325,329 59% 4% 30% 4% 2% 2%	56% 3% 32% 4% 2% 3%	55% 2% 35% 5% 2% 2%	56% 2% 35% 4% 2% 2%	61% 3% 29% 4% 1% 2% 247,874 53%	65% 2% 27% 3% 1% 2%	64% 4% 26% 3% 1% 2%	61% 3% 29% 4% 2% 2%	59% 4% 30% 4% 2% 2%	60% 3% 32% 3% 2% 1% 639,571 74%	57% 6% 30% 3% 2% 2%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh	14,108,848 60% 5% 31% 1% 2% 2% 29,179	13,325,329 59% 4% 30% 4% 2% 2% -308,157	56% 3% 32% 4% 2% 3% -70,279	55% 2% 35% 5% 2% 2% 30,603	56% 2% 35% 4% 2% 2% -36,350	61% 3% 29% 4% 1% 2% 247,874	65% 2% 27% 3% 1% 2%	64% 4% 26% 3% 1% 2% 454,982	61% 3% 29% 4% 2% 2% 543,392	59% 4% 30% 4% 2% 2% 511,553	60% 3% 32% 3% 2% 1% 639,571	57% 6% 30% 3% 2% 2% 675,223
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales	14,108,848 60% 5% 31% 1% 2% 2% 29,179 -215%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151%	56% 3% 32% 4% 2% 3% -70,279 -367%	55% 2% 35% 5% 2% 2% 30,603 -456%	56% 2% 35% 4% 2% 2% -36,350 -398%	61% 3% 29% 4% 1% 2% 247,874 53%	65% 27% 27% 3% 1% 2% -367,232 -135%	64% 4% 26% 3% 1% 2% 454,982 82%	61% 3% 29% 4% 2% 2% 543,392 65%	59% 4% 30% 4% 2% 2% 511,553 63%	60% 3% 32% 3% 2% 1% 639,571 74%	57% 6% 30% 3% 2% 2% 675,223
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales	14,108,848 60% 5% 31% 1% 2% 2% 29,179 -215% 374%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59%	56% 3% 32% 4% 2% 3% -70,279 -367% 365%	55% 2% 35% 5% 2% 2% 30,603 -456% 578%	56% 2% 35% 4% 2% 2% -36,350 -398% 440%	61% 3% 29% 4% 1% 2% 247,874 53% 60%	65% 2% 27% 3% 1% 2% -367,232 -135% 41%	64% 4% 26% 3% 1% 2% 454,982 82% 34%	61% 3% 29% 4% 2% 2% 543,392 65% 40%	59% 4% 30% 4% 2% 2% 511,553 63% 39%	60% 3% 32% 3% 2% 1% 639,571 74% 26%	57% 6% 30% 3% 2% 2% 675,223 87% 18%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals	14,108,848 60% 5% 31% 1% 2% 2% 29,179 -215% 374% 49%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4%	56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27%	55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0%	61% 3% 29% 4% 1% 2% 247,874 53% 60% -1%	65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 3%	61% 3% 29% 4% 2% 2% 543,392 65% 40% 1%	59% 4% 30% 4% 2% 2% 511,553 63% 39% 2%	60% 3% 32% 3% 2% 1% 639,571 74% 26% 2%	57% 6% 30% 3% 2% 2% 675,223 87% 18% 2%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importi/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Internal Bilaterals	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0%	56% 3% 32% 4% 2% -70,279 -367% 365% 27% 0%	55% 2% 35% 5% 2% 26 30,603 -456% 578% 34% 0%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0%	61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0%	65% 2% 27% 3% 1% -367,232 -135% 41% 3% 0%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0%	61% 3% 29% 4% 2% 543,392 65% 40% 1% 0%	59% 4% 30% 4% 2% 511,553 63% 39% 2% 1%	60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0%	57% 6% 30% 3% 2% 26 675,223 87% 18% 2% 0%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5%	56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32%	55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0% 21%	61% 3% 29% 4% 1% 247,874 53% 60% -1% 0% 5%	65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% 2%	61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% 4%	59% 4% 30% 4% 2% 511,553 63% 39% 2% 1% 5%	60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0% 7%	57% 6% 30% 3% 2% 28 675,223 87% 18% 2% 0% 8%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importi/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importi/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5%	56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32%	55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0% 21%	61% 3% 29% 4% 1% 247,874 53% 60% -1% 0% 5%	65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% 2%	61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% 4%	59% 4% 30% 4% 2% 511,553 63% 39% 2% 1% 5%	60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0% 7%	57% 6% 30% 3% 2% 28 675,223 87% 18% 2% 0% 8%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50% -158%	13,325,329 59% 4% 30% 4% 2% -308,157 -151% 59% 4% 0% 5% -17%	56% 3% 32% 4% 2% -70,279 -367% 365% 27% 0% 32% -158%	55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34% -90%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 21% -163%	61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5%	65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3% -11%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% 2% -21%	61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% 4% -9%	59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 5% -10%	60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0% 7% -8%	57% 6% 30% 3% 2% 2% 675,223 87% 18% 2% 0% 8% -15%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50% -158%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31%	56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32% -158%	55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34% -90%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 21% -163%	61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17%	65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3% -11%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 0% -21% 69% 25%	61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% 4% -9%	59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 5% -10%	60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0% 7% -8%	57% 6% 30% 3% 2% 2% 675,223 87% 18% 2% 0% 8% -15%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50% -158%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31% 4%	56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32% -158%	55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34% -90%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0% -163% 58% 35% 4%	61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17%	65% 2% 27% 3% 1% 2% -367,232 -135% 41% 0% 3% -11%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% -21% 69% 25% 3%	61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% 4% -9%	59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 5% -10%	60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0% 7% -8%	57% 6% 30% 3% 2% 2% 675,223 87% 18% 2% 0% 8% -15%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  BAIAncing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50% -158% 65% 31% 1% 2%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31% 4% 2%	56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32% -158%  59% 33% 4% 2%	55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34% -90% 57% 35% 5% 2%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 21% -163% 58% 35% 4% 2%	61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17%	65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% -311% 66% 28% 3% 1%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% -21% 69% 25% 3% 1%	61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% 4% -9%	59% 4% 30% 4% 2% 2511,553 63% 39% 2% 1% 55% -10%	60% 3% 32% 3% 2% 1% 639,571 74% 26% 0% 7% -8% 65% 30% 3% 2%	57% 6% 30% 3% 2% 2% 675,223 87% 18% 2% 60% 8% -15%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importi/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  BAI Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy External TC LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importi/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50% -158%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31% 4%	56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32% -158%	55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34% -90%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0% -163% 58% 35% 4%	61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17%	65% 2% 27% 3% 1% 2% -367,232 -135% 41% 0% 3% -11%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% -21% 69% 25% 3%	61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% 4% -9%	59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 5% -10%	60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0% 7% -8%	57% 6% 30% 3% 2% 2% 675,223 87% 18% 2% 0% 8% -15%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importi/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importi/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50% -158% 65% 31% 1% 2% 2%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31% 4% 2% 2%	56% 3% 32% 4% 2% -70,279 -367% 365% 27% 0% 32% -158% 59% 33% 4% 2% 2%	55% 2% 35% 5% 2% 26 30,603 -456% 578% 34% -90% 57% 35% 5% 2% 2%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 21% -163% -58% 35% 4% 2% 2%	61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17%  65% 29% 3% 2% 1%	65% 2% 27% 3% 1% -367,232 -135% 41% 3% 0% 3% -111% 66% 28% 3% 1%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 36 0% -21% 69% 25% 3% 1%	61% 3% 29% 4% 2% 543,392 65% 40% 1% 0% 4% -9%	59% 4% 30% 4% 2% 511,553 63% 39% 2% 1% 5% -10%	60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0% -8% 30% 30% 30% 2% 0%	57% 6% 30% 3% 2% 2% 675,223 87% 18% 2% 0% 8% -15% 65% 28% 3% 2% 1%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importi/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importi/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50% -158% 65% 31% 1% 2% 29,8%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31% 4% 2% 2% 2%	56% 3% 32% 4% 2% -70,279 -367% 365% 27% 0% 32% -158%  59% 33% 4% 2% 2%	55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% -90% 57% 35% 5% 2% 2%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 21% -163% 58% 35% 4% 2% 2%	61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17%  65% 29% 3% 2% 1%	65% 2% 27% 3% 1% -367,232 -135% 41% 3% 0% 3% -111% 66% 28% 3% 1% 1%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 36 0% -21% 69% 25% 3% 1% 1%	61% 3% 29% 4% 2% 543,392 65% 40% 1% 0% 4% -9%	59% 4% 30% 4% 2% 511,553 63% 39% 2% 1% 5% -10% 64% 28% 4% 2% 2% 95.9%	60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0% 7% -8% 65% 30% 3% 2% 0%	57% 6% 30% 3% 2% 2% 675,223 87% 18% 2% 0% 8% -15% 65% 28% 3% 2% 1%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importi/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importi/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market  Balancing Energy +	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50% -158% 65% 31% 1% 2% 99.8% 0.2%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31% 4% 2% 2% 102.4% -2.4%	56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32% -158% 59% 33% 4% 2% 2%	55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% -90% 57% 35% 5% 2% 2% 99.7% 0.3%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 21% -163% 58% 35% 4% 2% 20%	61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17% 65% 29% 3% 2% 1%	65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 31% -11% 66% 28% 3% 1% 1%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 36 0% 22% -21% 69% 25% 3% 1% 1%	61% 3% 29% 4% 2% 543,392 65% 40% 1% 0% 4% -9% 66% 27% 4% 2% 2% 95.9% 4.1%	59% 4% 30% 4% 2% 511,553 63% 39% 2% -10% 64% 28% 4% 2% 95.9% 4.1%	60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0% 7% -8% 65% 30% 3% 2% 0% 2% 53%	57% 6% 30% 3% 2% 675,223 87% 18% 2% 0% 8% -15% 65% 28% 3% 2% 1%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importi/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importi/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market  Balancing Energy +  Total MWH	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50% -158% 65% 31% 1% 2% 99.8% 0.2% 14,138,027	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31% 4% 2% 2% 102.4% -2.4% 13,017,172	56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32% -158%  59% 33% 4% 2% 2% 100.6% -0.6% 12,772,999	55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% -90% 57% 35% 5% 2% 2% 99.7% 0.3% 11,234,865	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 21% -163% 58% 35% 4% 2% 100.3% -0.3% 11,817,864	61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17% 65% 29% 3% 2% 1% 98.3% 1.7% 14,368,536	65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3% -111% 66% 28% 3% 1% 1% 102.4% -2.4% 15,476,492	64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% 22% -21% 69% 25% 3% 1% 1%	61% 3% 29% 4% 2% 543,392 65% 40% 1% 0% 4% -9% 66% 27% 4% 2% 95.9% 4.1% 13,302,943	59% 4% 30% 4% 2% 511,553 63% 39% 2% 1% 5% -10% 64% 28% 4% 2% 2% 95.9% 4.1% 12,363,765	60% 3% 32% 32% 2% 1% 639,571 74% 26% 2% 0% 7% -8% 65% 30% 3% 2% 0% 0%	57% 6% 30% 3% 2% 675,223 87% 18% 2% 0% 8% -15% 65% 28% 3% 2% 1% 95.1% 4.9%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importi/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importi/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market  Balancing Energy +	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50% -158% 65% 31% 1% 2% 99.8% 0.2%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31% 4% 2% 2% 102.4% -2.4%	56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32% -158% 59% 33% 4% 2% 2%	55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% -90% 57% 35% 5% 2% 2% 99.7% 0.3%	56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 21% -163% 58% 35% 4% 2% 20%	61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17% 65% 29% 3% 2% 1%	65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 31% -11% 66% 28% 3% 1% 1%	64% 4% 26% 3% 1% 2% 454,982 82% 34% 36 0% 22% -21% 69% 25% 3% 1% 1%	61% 3% 29% 4% 2% 543,392 65% 40% 1% 0% 4% -9%  66% 27% 4% 2% 24% 48,18 13,302,943 420	59% 4% 30% 4% 2% 511,553 63% 39% 2% -10% 64% 28% 4% 2% 95.9% 4.1%	60% 3% 32% 32% 2% 1% 639,571 74% 26% 2% 0% 7% -8% 65% 30% 3% 2% 0% 2% 0%	57% 6% 30% 3% 2% 675,223 87% 18% 2% 0% 8% -15% 65% 28% 3% 2% 1% 95.1% 4.9% 13,743,761 408

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

October November December

2022

Balancing Energy: Load(MW) purchased at Real Time LBMP.
 The signs for the detail section intuitively reflect the direction of power flow eliminating the use of double negatives when Balancing Energy is negative.

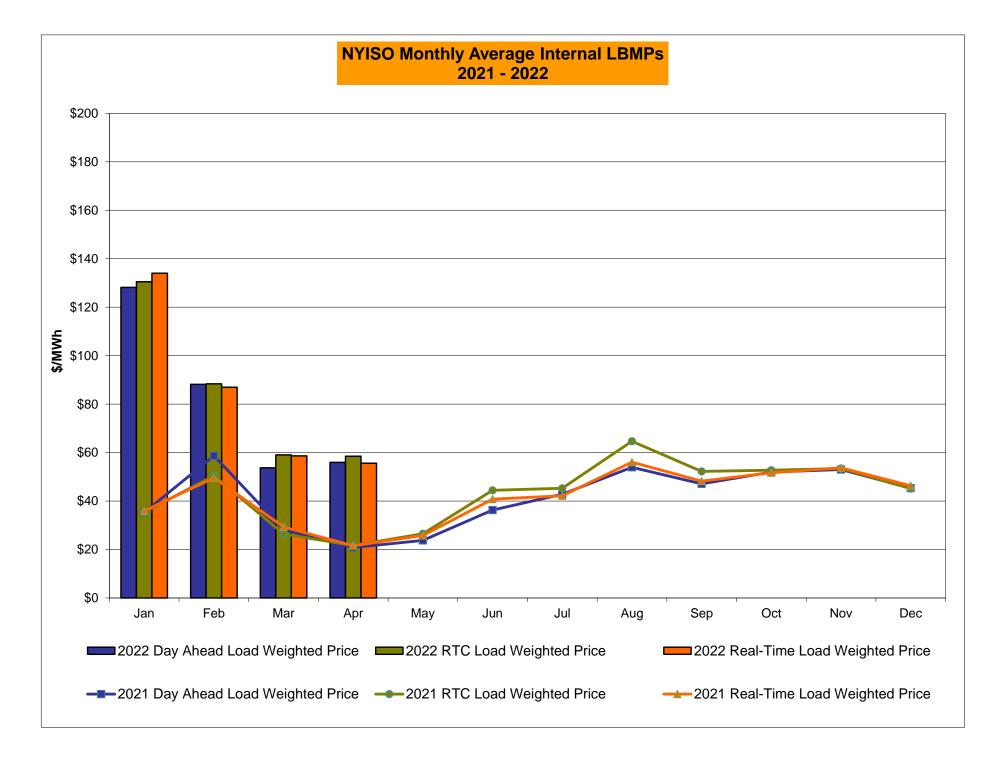
#### NYISO Markets 2022 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August September	October November December
DAY AHEAD LBMP	_	-		-	-		-		
Price *	\$124.39	\$85.98	\$52.41	\$55.23					
Standard Deviation	\$51.94	\$39.56	\$18.64	\$11.05					
Load Weighted Price **	\$128.16	\$88.17	\$53.69	\$55.96					
RTC LBMP									
Price *	\$127.16	\$85.48	\$57.58	\$57.33					
Standard Deviation	\$77.62	\$55.20	\$38.62	\$21.09					
Load Weighted Price **	\$130.45	\$88.33	\$59.03	\$58.49					
REAL TIME LBMP									
Price *	\$130.43	\$83.85	\$57.00	\$54.45					
Standard Deviation	\$93.35	\$57.99	\$44.52	\$20.46					
Load Weighted Price **	\$133.98	\$86.99	\$58.64	\$55.57					
Average Daily Energy Sendout/Month GWh	451	429	390	359					

#### NYISO Markets 2021 Energy Statistics

DAY AHEAD LBMP	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	<u>September</u>	October	November	<u>December</u>
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
Load Weighted Price **	\$35.31	\$58.67	\$28.12	\$20.81	\$23.75	\$36.28	\$42.84	\$53.93	\$47.08	\$51.92	\$52.98	\$45.33
RTC LBMP												
Price *	\$34.32	\$49.25	\$25.59	\$21.30	\$25.36	\$39.69	\$42.25	\$58.87	\$50.07	\$51.41	\$52.37	\$44.16
Standard Deviation	\$20.93	\$23.34	\$12.67	\$7.91	\$11.17	\$34.08	\$47.97	\$47.79	\$22.24	\$13.96	\$16.97	\$17.49
Load Weighted Price **	\$35.40	\$50.48	\$26.37	\$21.67	\$26.50	\$44.41	\$45.27	\$64.66	\$52.21	\$52.71	\$53.44	\$45.12
REAL TIME LBMP												
Price *	\$34.59	\$48.22	\$28.06	\$21.10	\$24.62	\$36.58	\$39.61	\$51.46	\$46.37	\$50.41	\$52.52	\$45.13
Standard Deviation	\$29.47	\$26.46	\$26.13	\$10.07	\$10.91	\$25.43	\$26.73	\$37.53	\$18.08	\$14.93	\$20.97	\$23.65
Load Weighted Price **	\$35.89	\$49.57	\$29.33	\$21.55	\$25.78	\$40.76	\$42.20	\$56.04	\$48.21	\$51.66	\$53.68	\$46.29
Average Daily Energy Sendout/Month GWh	427	434	381	354	365	458	483	504	420	373	387	408

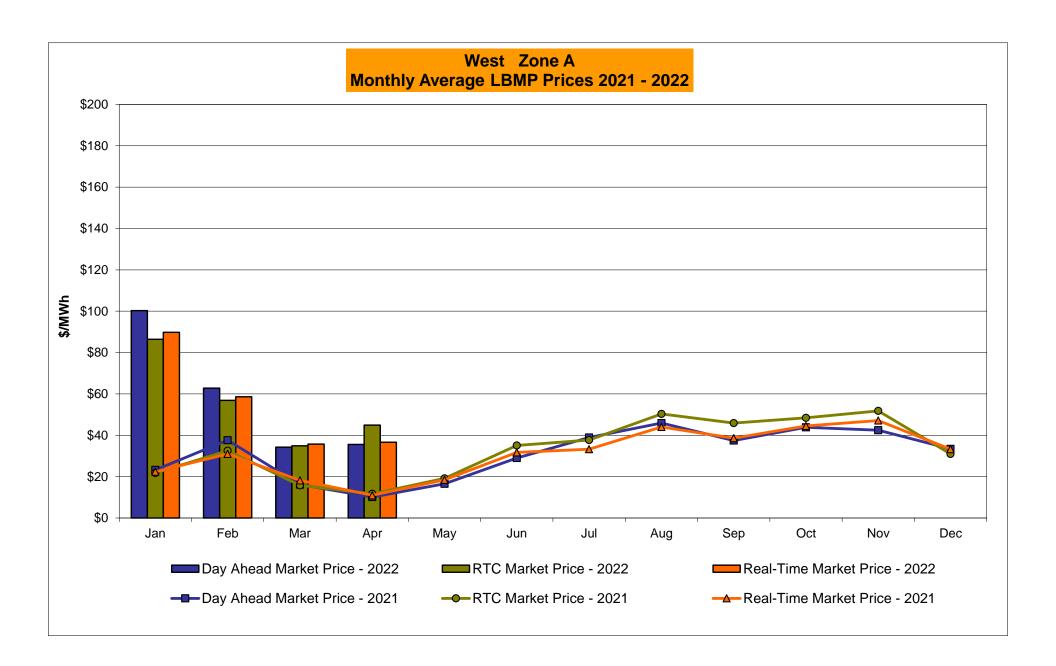
<sup>Average zonal load weighted prices.
Average zonal load weighted prices, load weighted in each hour.</sup> 

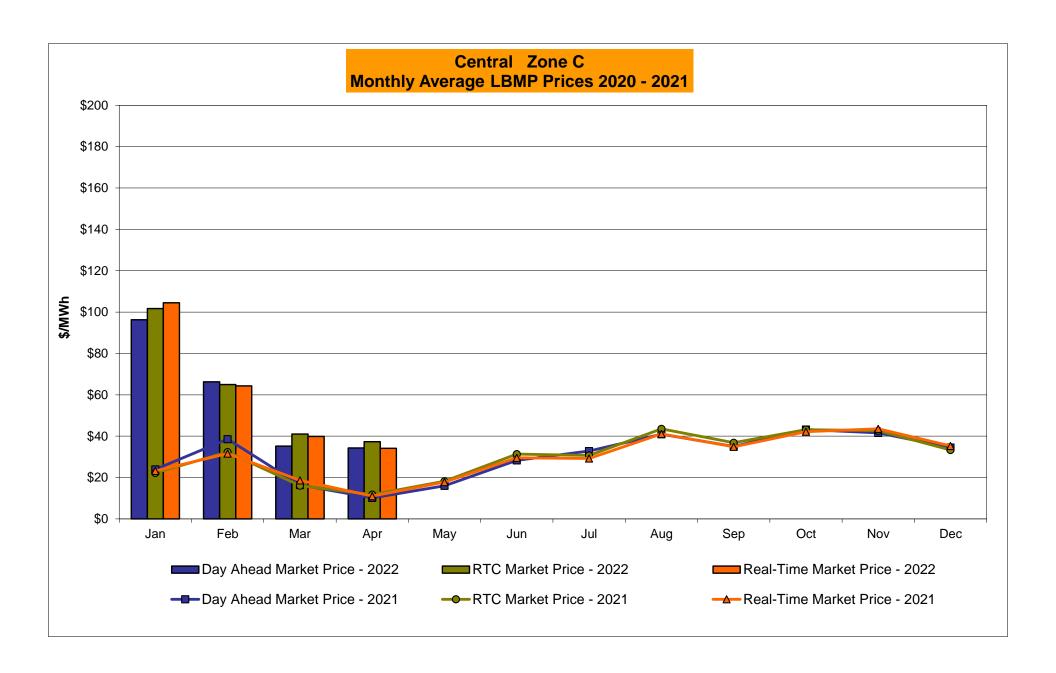


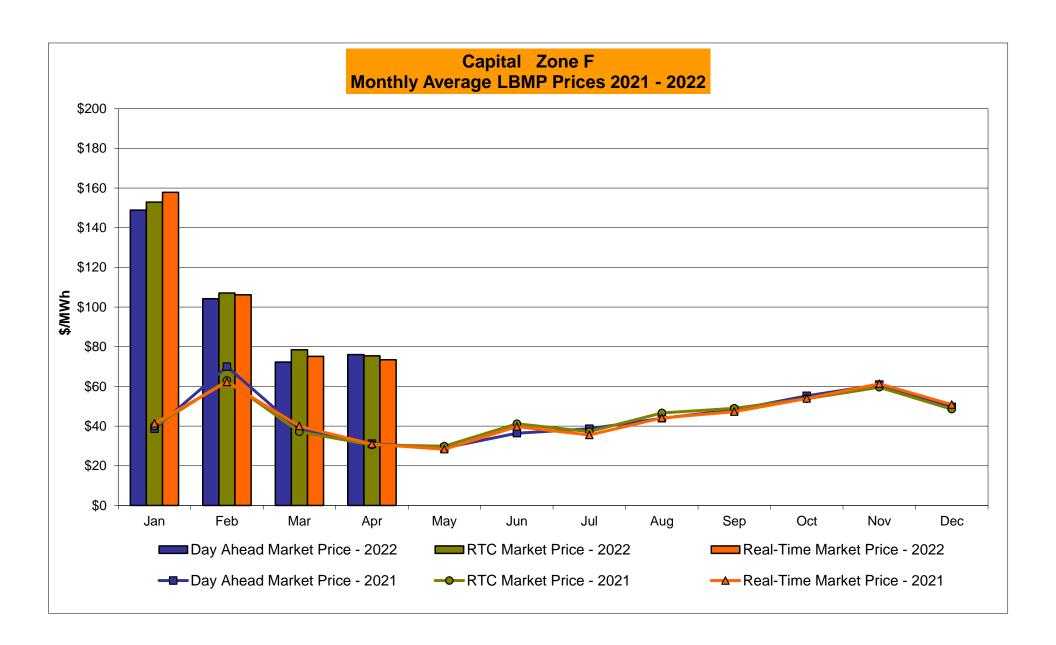
#### April 2022 Zonal LBMP Statistics for NYISO (\$/MWh)

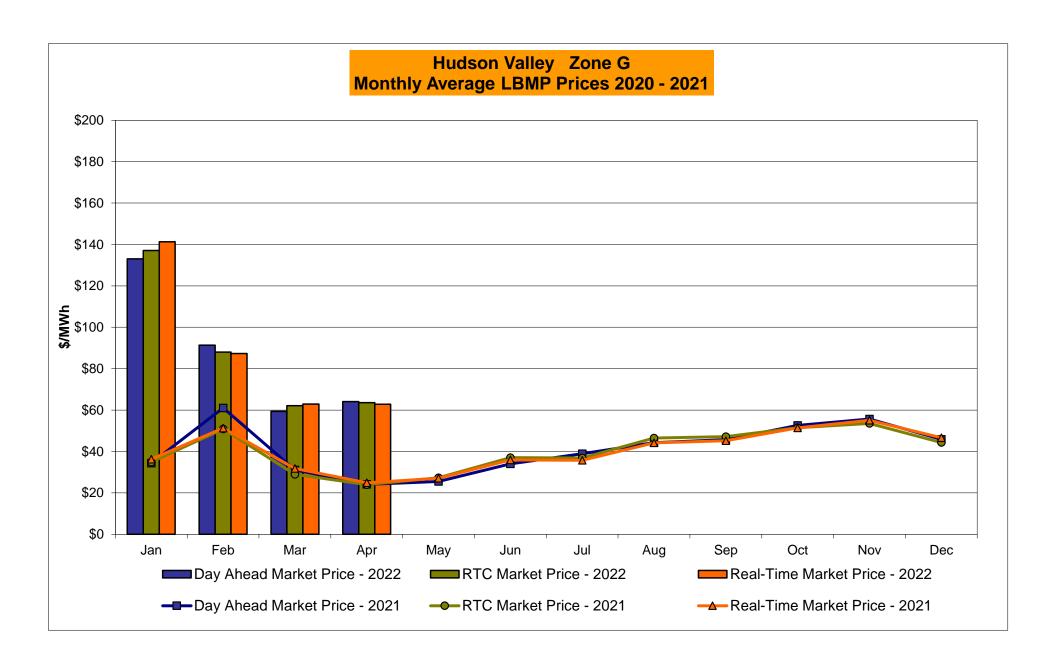
	WEST Zone A	GENESEE Zone B	NORTH Zone D	CENTRAL Zone C	MOHAWK VALLEY <u>Zone E</u>	CAPITAL Zone F	HUDSON VALLEY <u>Zone G</u>	MILLWOOD Zone H	DUNWOODIE  Zone I	NEW YORK CITY Zone J	LONG ISLAND <u>Zone K</u>
DAY AHEAD LBMP Unweighted Price *	35.60	32.47	23.67	34.31	35.42	76.10	64.09	64.84	64.76	64.88	72.91
Standard Deviation	14.28	12.77	14.21	13.22	13.24	17.47	12.61	12.84	12.79	12.71	15.60
RTC LBMP											
Unweighted Price * Standard Deviation	44.95 58.94	32.94 24.02	24.38 26.06	37.30 27.44	37.04 27.29	75.44 24.11	63.62 17.07	64.46 17.38	64.40 17.33	64.53 17.29	79.76 63.21
Standard Deviation	30.34	24.02	20.00	21.44	21.29	24.11	17.07	17.30	17.55	17.25	03.21
REAL TIME LBMP Unweighted Price *	36.61	31.63	24.08	34.16	34.53	73.45	62.85	63.72	63.66	63.81	73.52
Standard Deviation	32.62	24.78	27.07	25.19	24.77	26.51	19.85	20.26	20.24	20.31	48.22
	ONTARIO IESO	, ,	HYDRO QUEBEC (Import/Export)	РЈМ	NEW ENGLAND	CABLE Controllable	NORTHPORT- NORWALK Controllable	NEPTUNE Controllable	LINDEN VFT	HUDSON Controllable	Dennison Controllable
DAY AHEAD LBMP	Zone O	Zone M	Zone M	Zone P	Zone N	<u>Line</u>	<u>Line</u>	<u>Line</u>	<u>Line</u>	<u>Line</u>	<u>Line</u>
Unweighted Price * Standard Deviation	32.77 12.37	24.60 14.80	24.60 14.80	50.10 10.64	66.95 13.04	72.50 15.58	69.55 14.19	72.76 15.57	63.28 12.24	64.82 12.77	23.42 13.91
RTC LBMP Unweighted Price * Standard Deviation	30.77 21.25	25.17 25.71	25.17 25.71	52.52 22.23	64.23 17.42	78.67 63.72	79.29 62.57	79.47 62.55	62.20 17.94	62.18 17.75	23.91 26.31
REAL TIME LBMP Unweighted Price * Standard Deviation	31.13 23.15	24.73 27.12	24.73 27.12	50.08 22.40	62.08 28.39	72.56 49.65	68.87 51.68	73.44 47.82	61.10 27.33	63.73 20.16	23.46 28.35

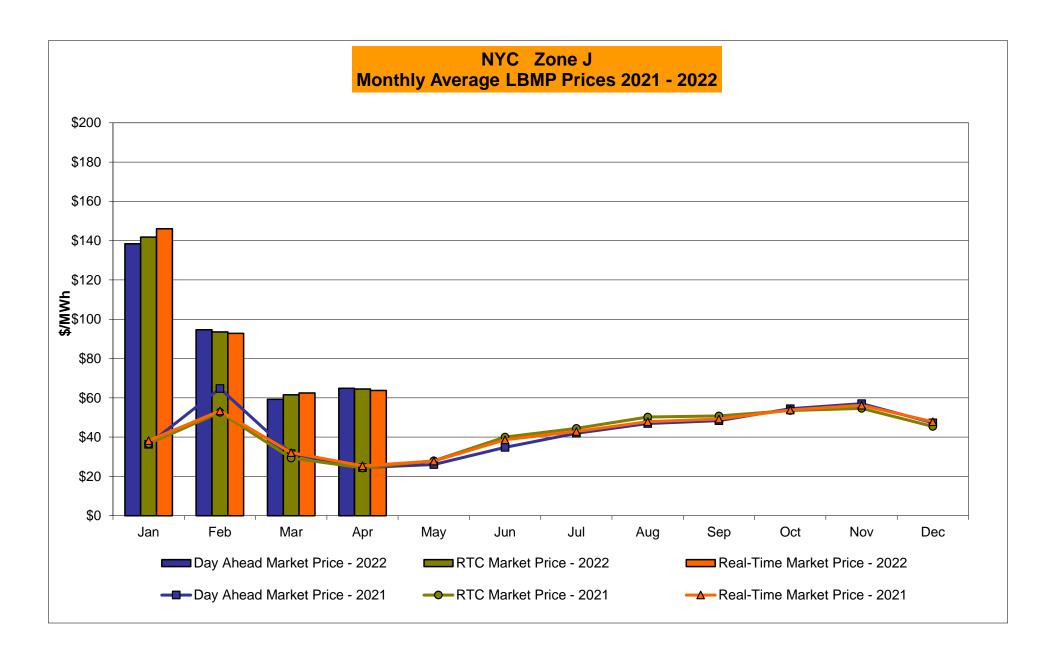
<sup>\*</sup> Straight LBMP averages

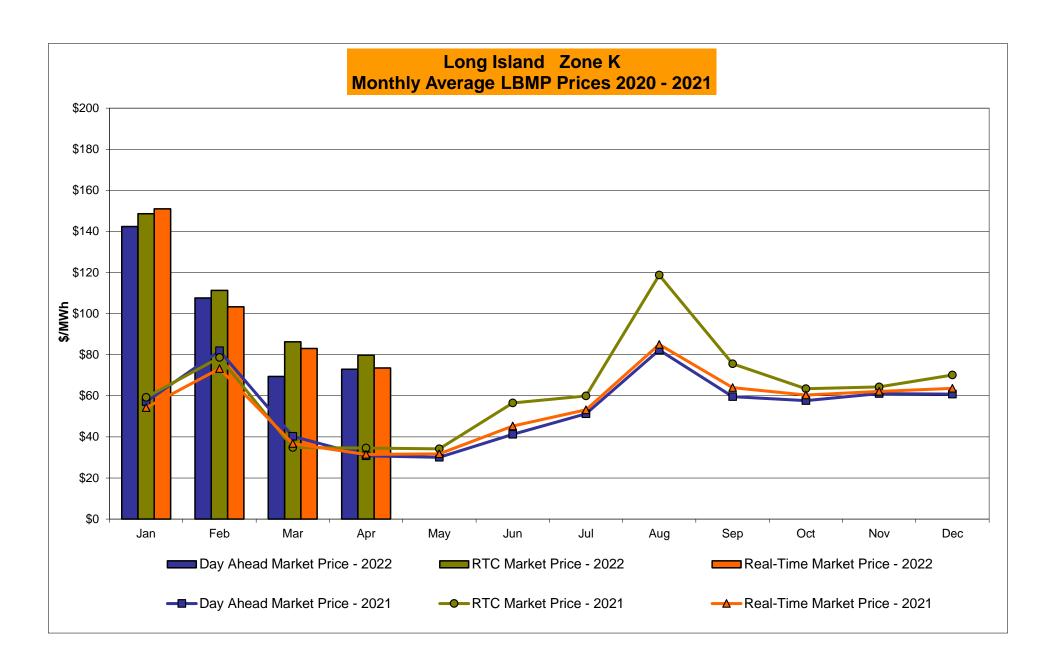


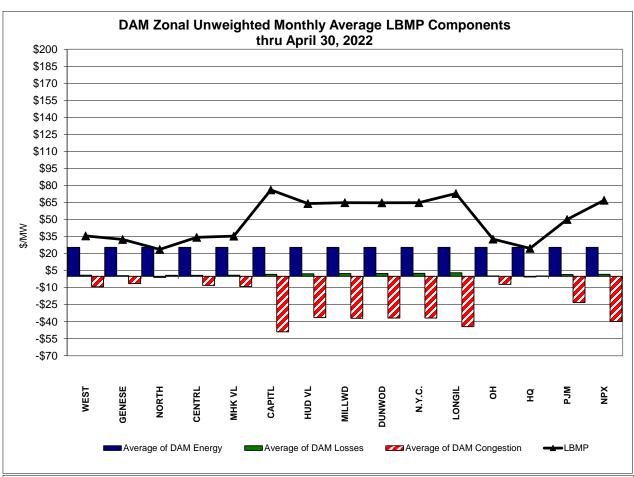


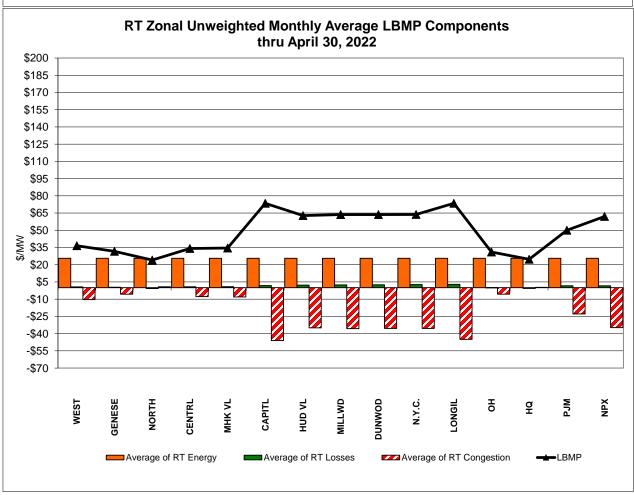




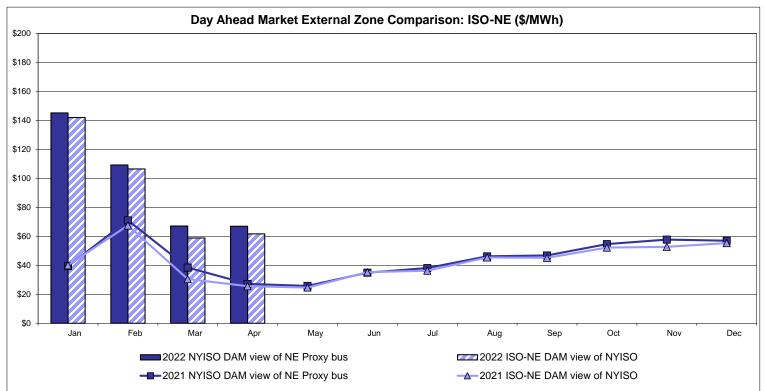


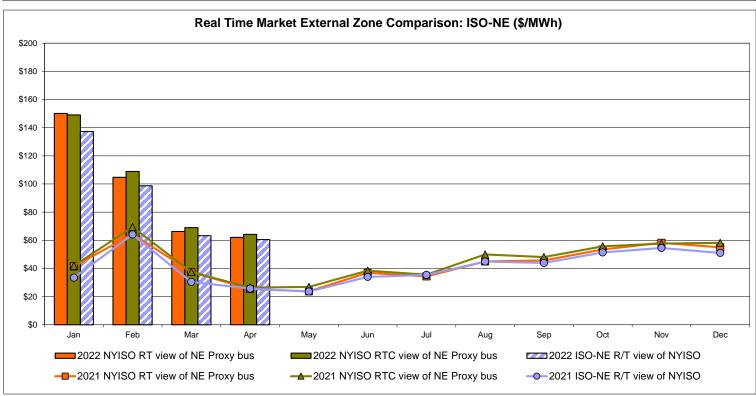




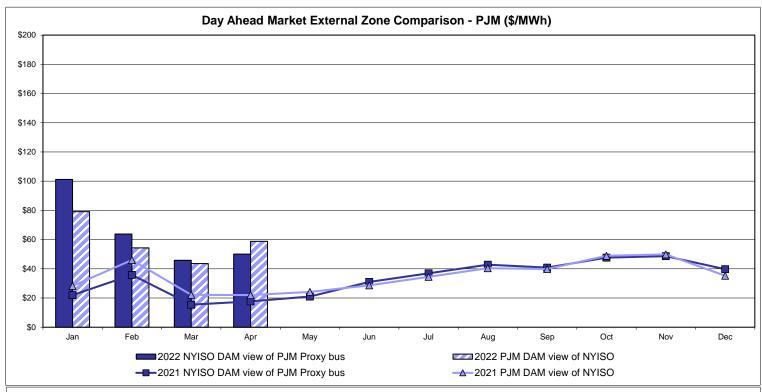


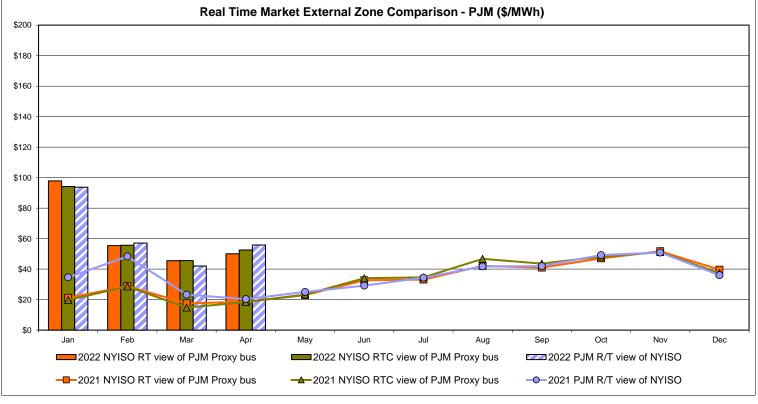
# **External Comparison ISO-New England**



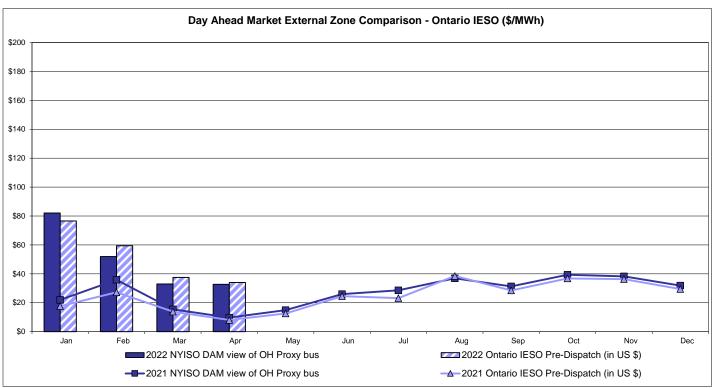


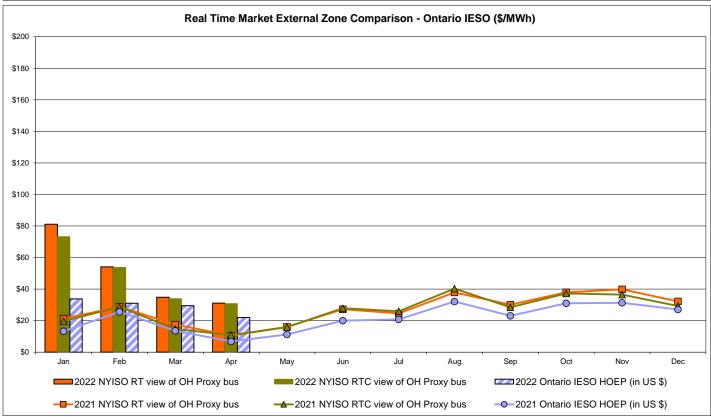
# **External Comparison PJM**





#### **External Comparison Ontario IESO**

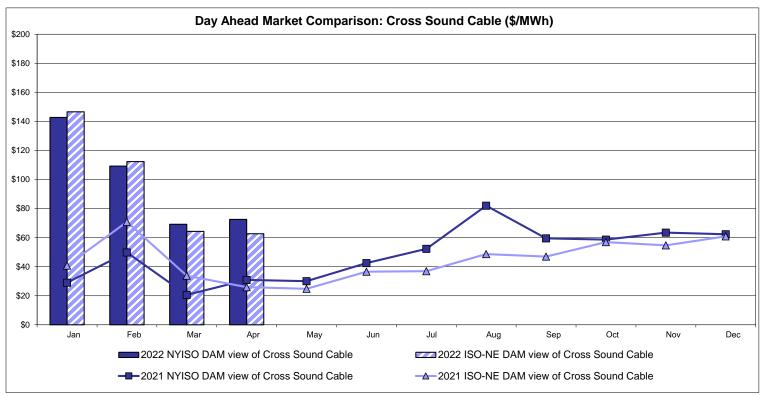


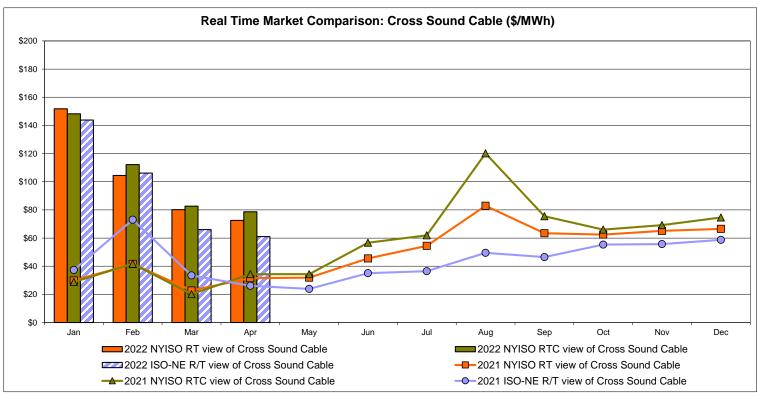


Notes: Exchange factor used for April 2022 was 0.791891035793475 to US

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

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





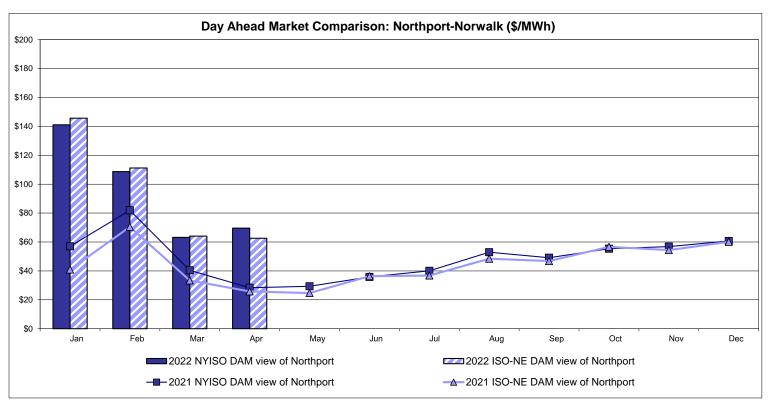
#### Note:

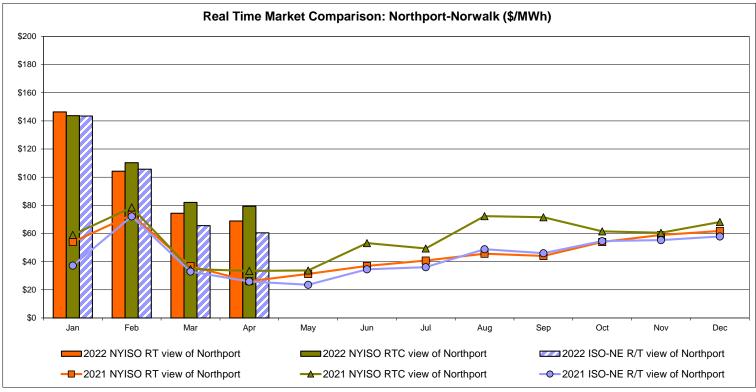
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)**





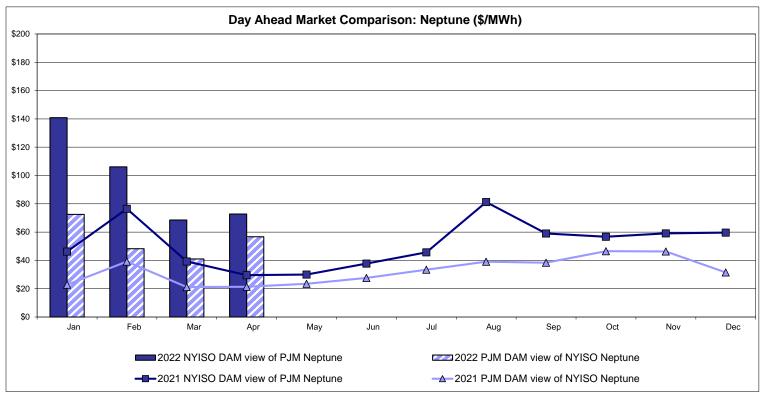
#### Note:

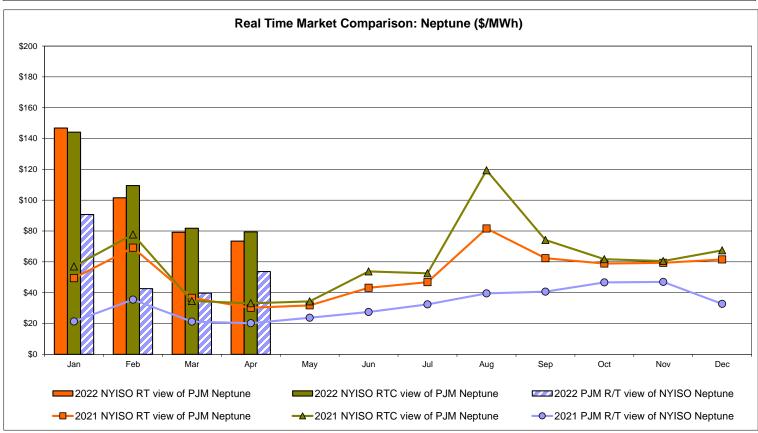
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

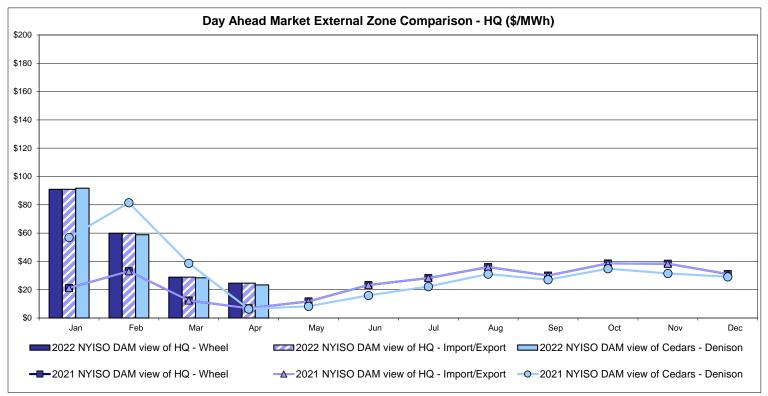
The DAM and R/T prices at the 1385 interface are used for NYISO.

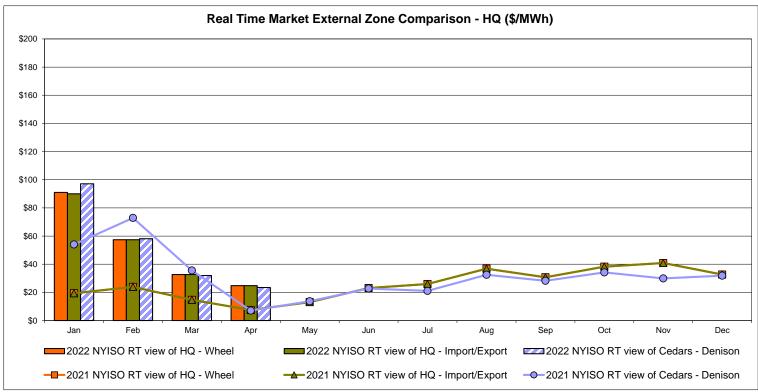
## **External Controllable Line: Neptune (PJM)**





## **External Comparison Hydro-Quebec**

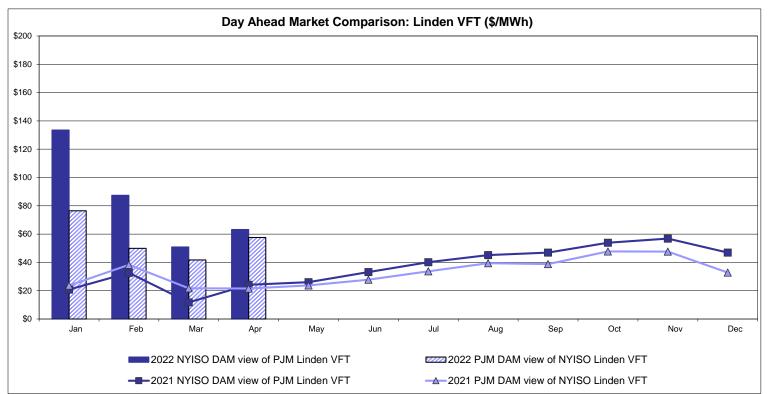


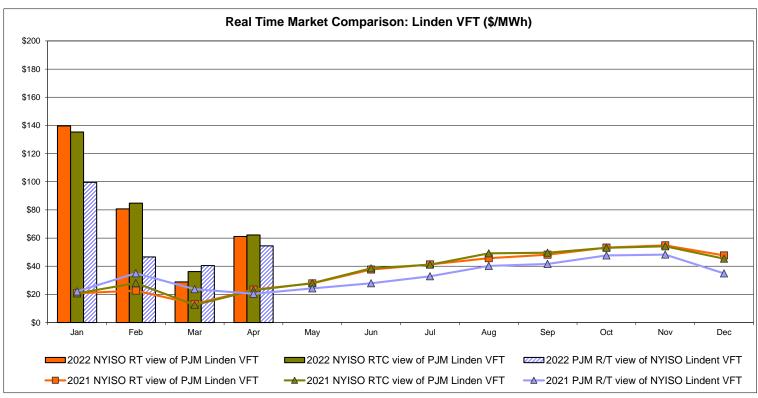


Note:

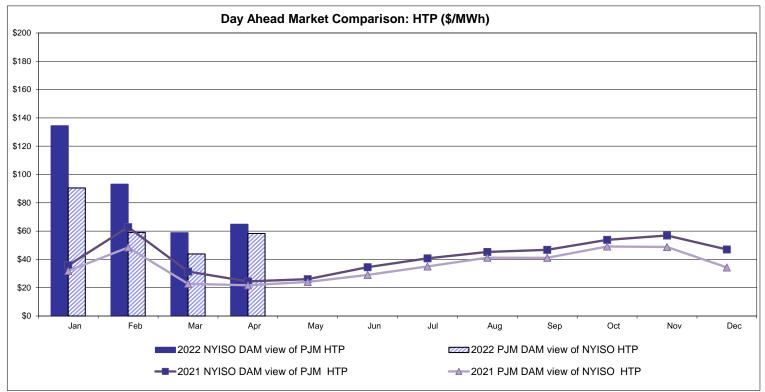
Hydro-Quebec Prices are unavailable.

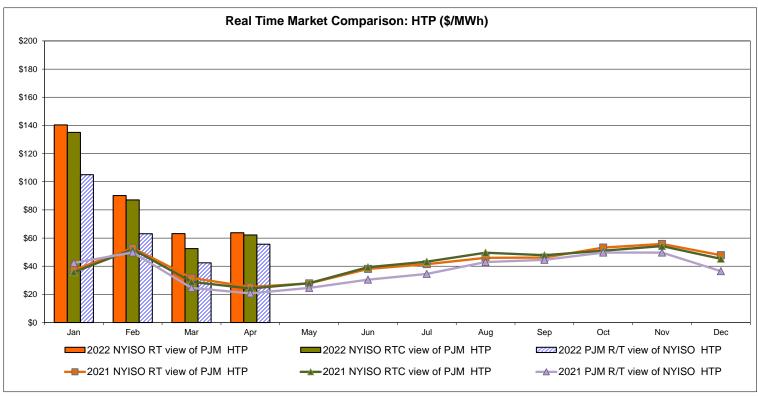
# **External Controllable Line: Linden VFT (PJM)**





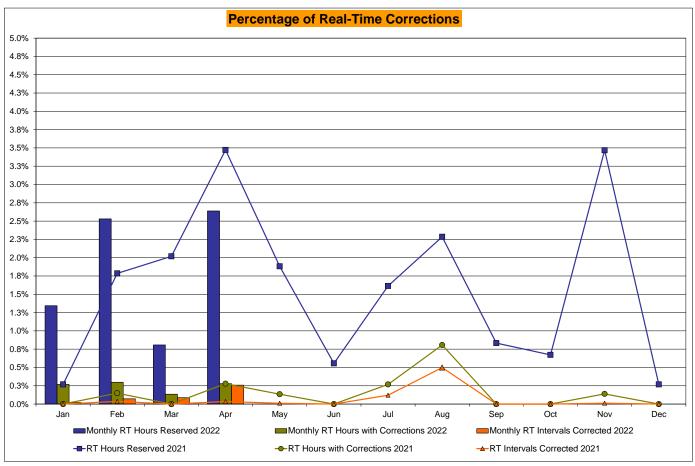
# **External Controllable Line: Hudson (PJM)**

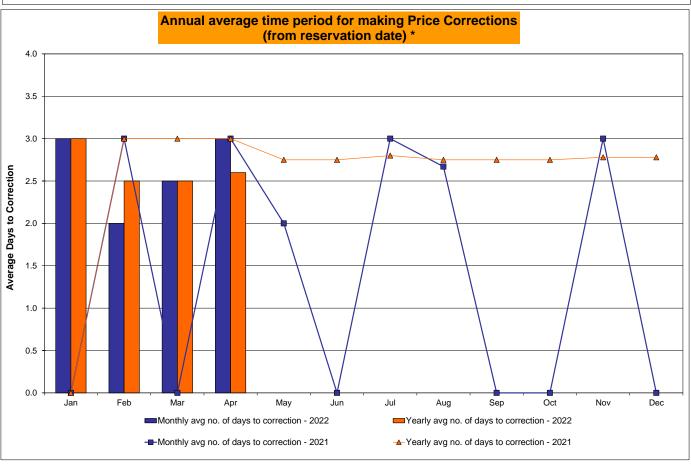


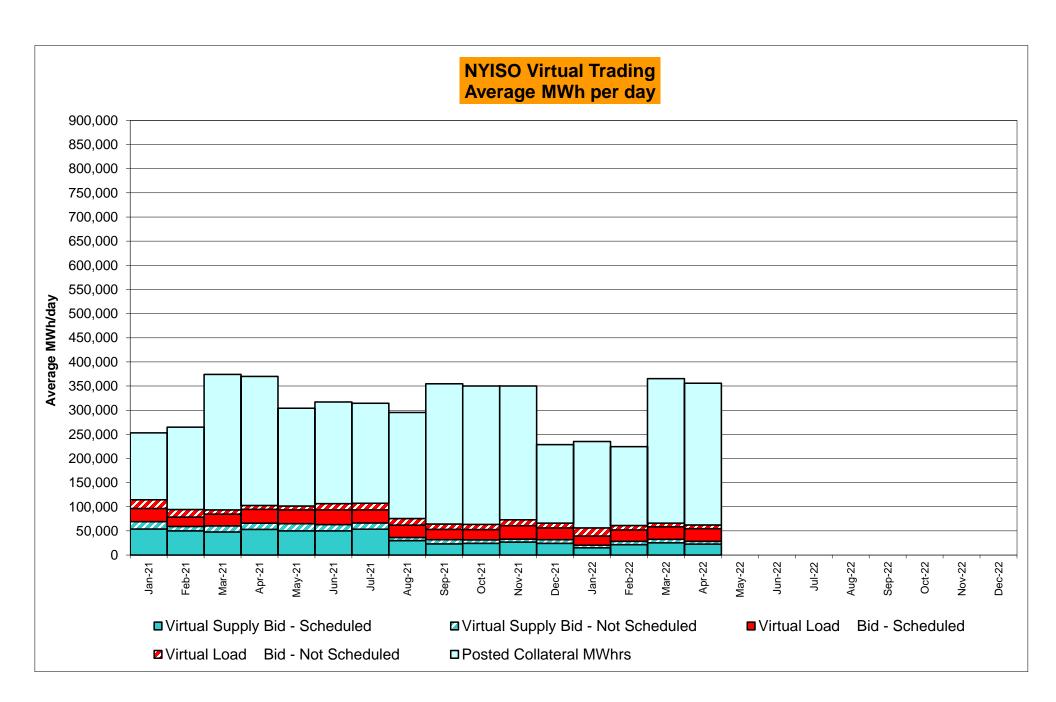


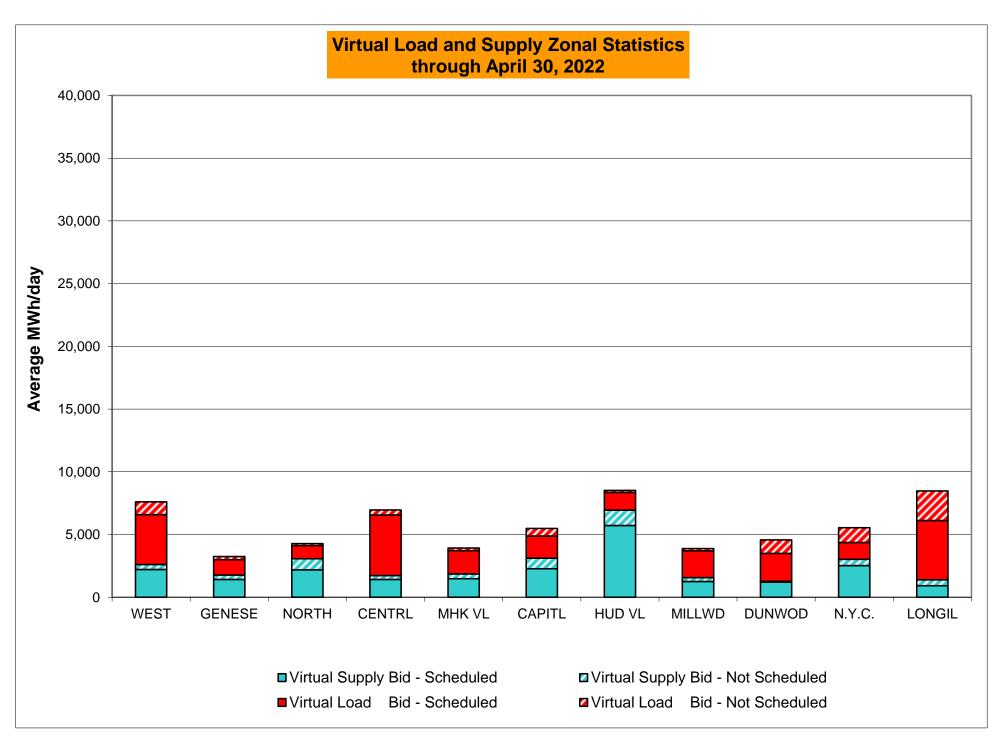
#### **NYISO Real Time Price Correction Statistics**

				14110	O IXCAI II	1110 1 1100	Correcti	on otatis	1103				
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>	October	November	<u>December</u>
Hour Corrections													
Number of hours with corrections	in the month	2	2	1	2								
Number of hours	in the month	744	672	743	720								
% of hours with corrections	in the month	0.27%	0.30%	0.13%	0.28%								
% of hours with corrections	year-to-date	0.27%	0.28%	0.23%	0.24%								
Interval Corrections													
Number of intervals corrected	in the month	2	6	8	23								
Number of intervals	in the month	9,258	8,338	9,118	8,908								
% of intervals corrected	in the month	0.02%	0.07%	0.09%	0.26%								
% of intervals corrected	year-to-date	0.02%	0.05%	0.06%	0.11%								
Hours Reserved													
Number of hours reserved	in the month	10	17	6	19								
Number of hours	in the month	744	672	743	720								
% of hours reserved	in the month	1.34%	2.53%	0.81%	2.64%								
% of hours reserved	year-to-date	1.34%	1.91%	1.53%	1.81%								
Days to Correction *	,												
Avg. number of days to correction	in the month	3.00	2.00	2.50	3.00								
Avg. number of days to correction	year-to-date	3.00	2.50	2.50	2.60								
Days Without Corrections													
Days without corrections	in the month	30	27	29	29								
Days without corrections	year-to-date	30	57	86	115								
2021		lanuary	February.	March	April	May	luno	luke	August	Santambar	October	November	December
2021 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	<u>December</u>
Hour Corrections	in the month	<del></del>	<u>February</u>		<u></u>	· <u></u> -							
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	in the month in the month	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% 0.11%	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	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% 0.11%	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 in the month	0 744 0.00% 0.00% 0 9,095	1 672 0.15% 0.07% 3 8,236	0 743 0.00% 0.05% 0 9,100	2 720 0.28% 0.10% 3 8,827	1 744 0.13% 0.11% 1 9,157	0 720 0.00% 0.09% 0 8,813	2 744 0.27% 0.12% 11 9,084	6 744 0.81% 0.21% 45 9,024	0 720 0.00% 0.18% 0 8,783	0 744 0.00% 0.16% 0 9,133	1 721 0.14% 0.16% 1 8,802	0 744 0.00% 0.15% 0 9,063
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	0 744 0.00% 0.00% 0 9,095 0.00%	1 672 0.15% 0.07% 3 8,236 0.04%	0 743 0.00% 0.05% 0 9,100 0.00%	2 720 0.28% 0.10% 3 8,827 0.03%	1 744 0.13% 0.11% 1 9,157 0.01%	0 720 0.00% 0.09% 0 8,813 0.00%	2 744 0.27% 0.12% 11 9,084 0.12%	6 744 0.81% 0.21% 45 9,024 0.50%	0 720 0.00% 0.18% 0 8,783 0.00%	0 744 0.00% 0.16% 0 9,133 0.00%	1 721 0.14% 0.16% 1 8,802 0.01%	0 744 0.00% 0.15% 0 9,063 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	0 744 0.00% 0.00% 0 9,095	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% 0.01%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03%	6 744 0.81% 0.21% 45 9,024 0.50% 0.09%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07%	0 744 0.00% 0.15% 0 9,063 0.00% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	0 744 0.00% 0.00% 0 9,095 0.00% 0.00%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01%	2 720 0.28% 0.10% 3 8,827 0.03% 0.02%	1 744 0.13% 0.11% 1 9,157 0.01% 0.02%	0 720 0.00% 0.09% 0 8,813 0.00% 0.01%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03%	6 744 0.81% 0.21% 45 9,024 0.50% 0.09%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07%	0 744 0.00% 0.15% 0 9,063 0.00% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours	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	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	0 744 0.00% 0.00% 0 9,095 0.00% 0.00%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01%	2 720 0.28% 0.10% 3 8,827 0.03% 0.02%	1 744 0.13% 0.11% 1 9,157 0.01% 0.02%	0 720 0.00% 0.09% 0 8,813 0.00% 0.01%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03%	6 744 0.81% 0.21% 45 9,024 0.50% 0.09%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07%	0 744 0.00% 0.15% 0 9,063 0.00% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	0 744 0.00% 0.00% 0 9,095 0.00% 0.00%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01%	2 720 0.28% 0.10% 3 8,827 0.03% 0.02%	1 744 0.13% 0.11% 1 9,157 0.01% 0.02%	0 720 0.00% 0.09% 0 8,813 0.00% 0.01%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03%	6 744 0.81% 0.21% 45 9,024 0.50% 0.09%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07%	0 744 0.00% 0.15% 0 9,063 0.00% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction *	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month year-to-date	0 744 0.00% 0.00% 0 9,095 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02% 12 672 1.79% 0.99%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01% 15 743 2.02% 1.34%	2 720 0.28% 0.10% 3 8,827 0.03% 0.02% 25 720 3.47% 1.88%	1 744 0.13% 0.11% 1 9,157 0.01% 0.02% 14 744 1.88% 1.88%	0 720 0.00% 0.09% 0 8,813 0.00% 0.01% 4 720 0.56% 1.66%	2 744 0.27% 0.12% 11 9,084 0.12% 0.03% 12 744 1.61% 1.65%	6 744 0.81% 0.21% 45 9,024 0.50% 0.09% 17 744 2.28% 1.73%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08% 6 720 0.83% 1.63%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07% 5 744 0.67% 1.54%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07% 25 721 3.47% 1.71%	0 744 0.00% 0.15% 0 9,063 0.00% 0.06% 2 744 0.27% 1.59%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved % of hours reserved Days to Correction * Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month	0 744 0.00% 0.00% 0 9,095 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02% 12 672 1.79% 0.99% 3.00	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 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 in the month in the month 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  Mumber of intervals corrected Number of intervals % of intervals corrected % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours reserved % of hours reserved % of hours reserved % of hours reserved % of hours reserved y, of hours reserved Avg. number of days to correction Avg. number of days to correction Days Without Corrections	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month year-to-date	0 744 0.00% 0.00% 0 9,095 0.00% 0.00% 2 744 0.27% 0.27% 0.00 0.00	1 672 0.15% 0.07% 3 8,236 0.04% 0.02% 12 672 1.79% 0.99% 3.00 3.00	0 743 0.00% 0.05% 0 9,100 0.00% 0.01% 15 743 2.02% 1.34% 0.00 3.00	2 720 0.28% 0.10% 3 8,827 0.03% 0.02% 25 720 3.47% 1.88% 3.00 3.00	1 744 0.13% 0.11% 1 9,157 0.01% 0.02% 14 744 1.88% 2.00 2.75	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% 3.00 2.80	6 744 0.81% 0.21% 45 9,024 0.50% 0.09% 17 744 2.28% 1.73% 2.67 2.75	0 720 0.00% 0.18% 0 8,783 0.00% 0.08% 6 720 0.83% 1.63% 0.00 2.75	0 744 0.00% 0.16% 0 9,133 0.00% 0.07% 5 744 0.67% 1.54% 0.00 2.75	1 721 0.14% 0.16% 1 8,802 0.01% 0.07% 25 721 3.47% 1.71% 3.00 2.78	0 744 0.00% 0.15% 0 9,063 0.00% 0.06% 2 744 0.27% 1.59% 0.00 2.78
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved 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% 3.00	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%

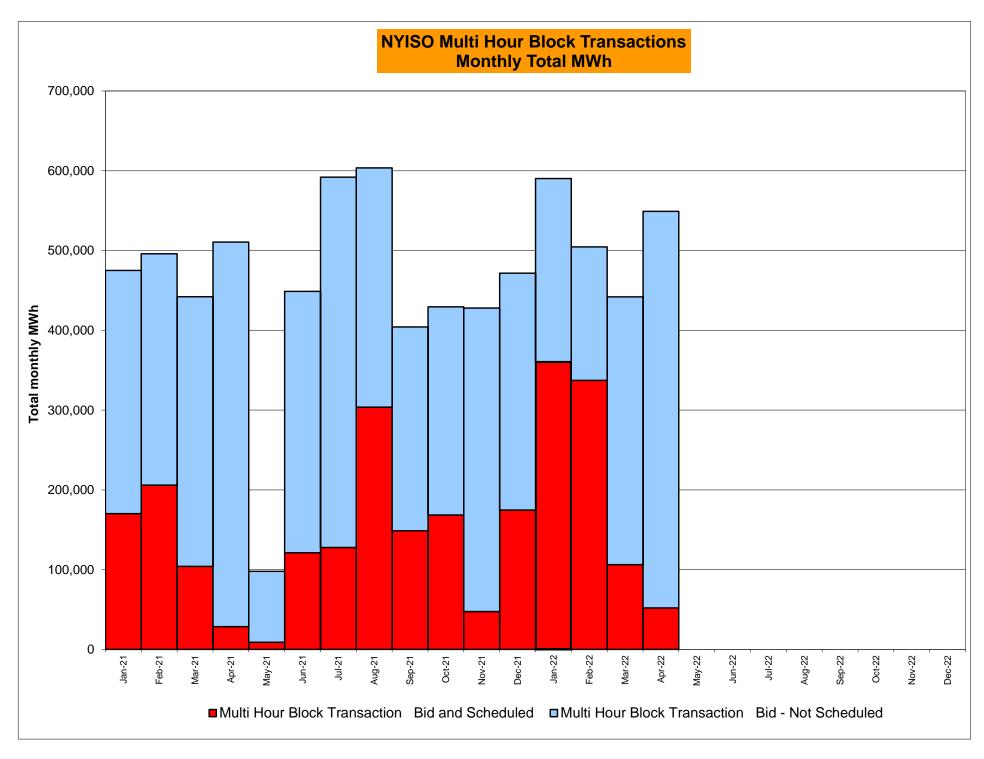


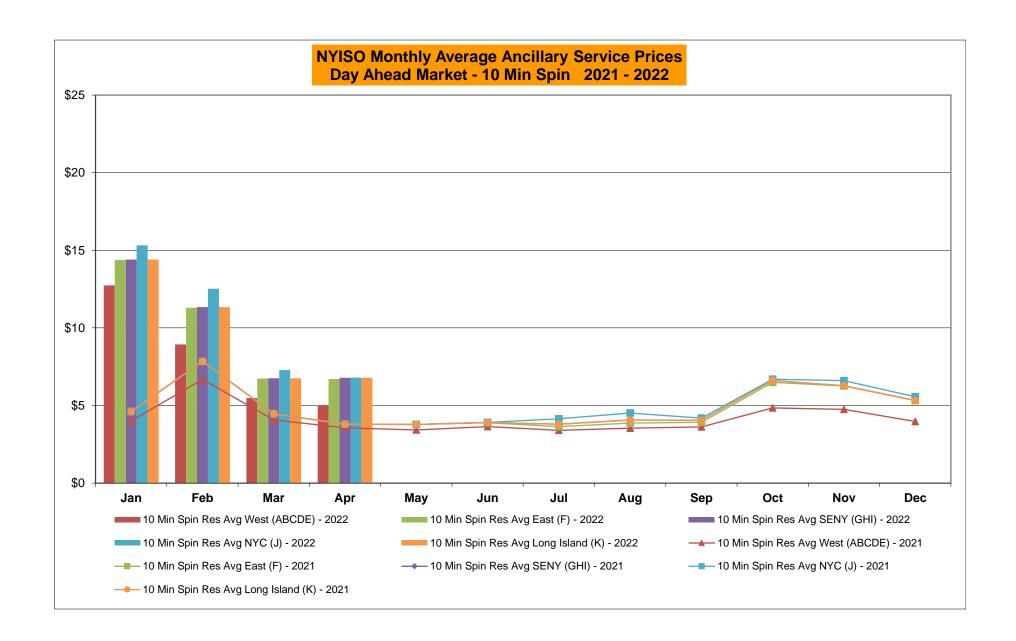


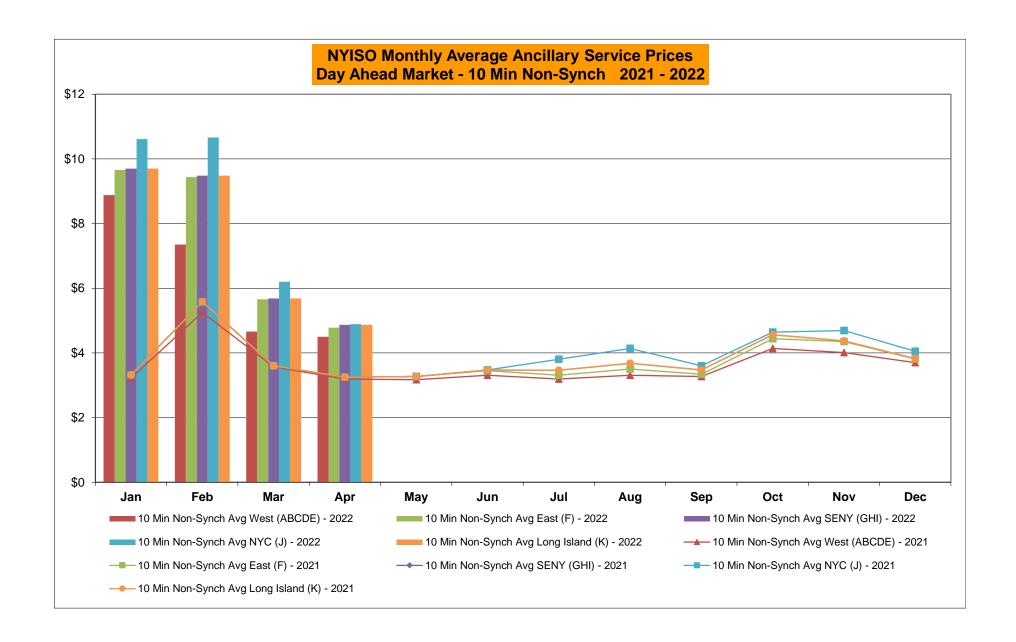


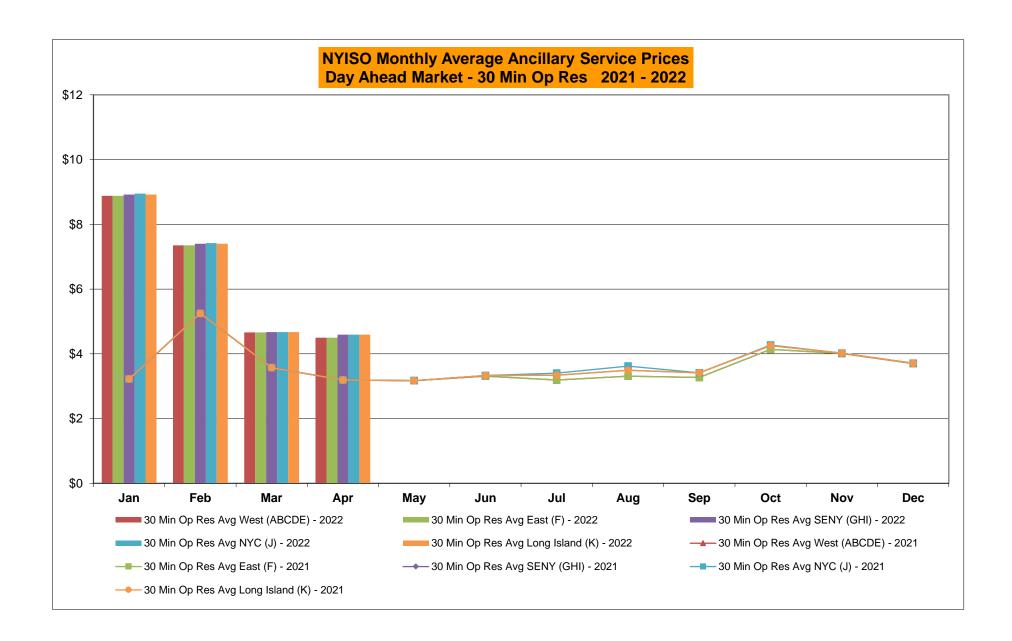


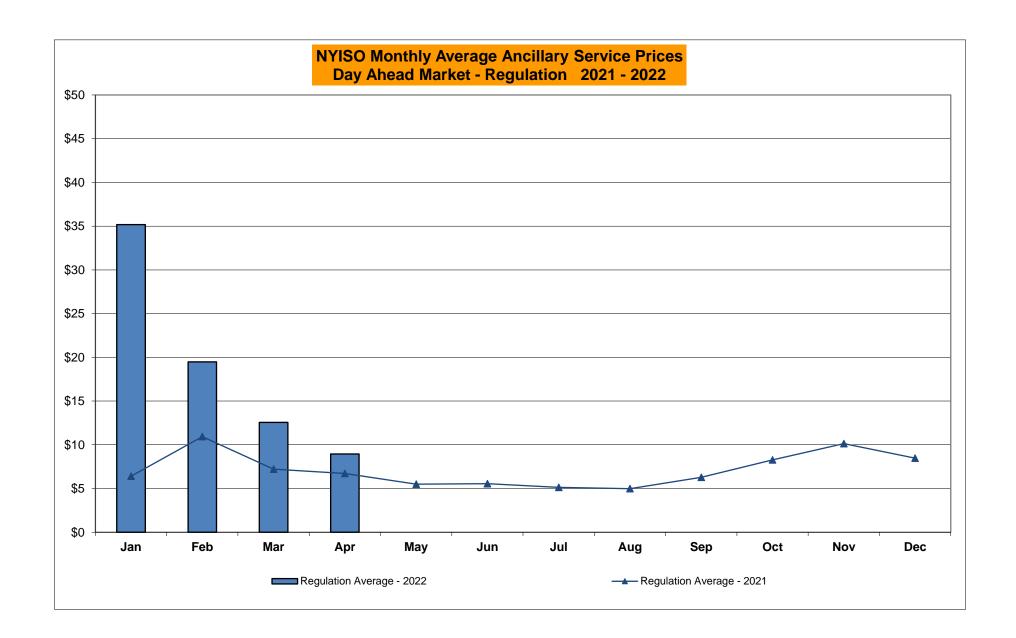
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		Virtual L		Virtual S	upply Bid			Virtual L	oad Bid	Virtual Su	upply Bid			Virtual L	Virtual Load Bid		Virtual Supply Bid	
Zone	Date	Scheduled	Not Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled		Scheduled	Scheduled	
WEST	Jan-22		1,900	2,076	1,276	MHK VL	Jan-22	722	621	1,245	204	DUNWOD	Jan-22	1,376	1,851	652	54	
	Feb-22		1,170		908		Feb-22	1,830	386	1,518	349		Feb-22	1,696	1,004	1,218	86	
	Mar-22	3,702	830	2,480	526	_	Mar-22	2,263	131	1,506	371	_	Mar-22	1,427	954	1,944	68	
	Apr-22 May-22	3,967	1,016	2,214	402	_	Apr-22 May-22	1,848	208	1,483	379	_	Apr-22 May-22	2,229	1,069	1,219	46	
	Jun-22					$\dashv$	Jun-22					_	Jun-22					
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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		Feb-22	2,889	1,668	1,938	607	
	Mar-22		190	1,176			Mar-22	2,660	1,045	1,450	879		Mar-22	1,769	1,526	2,728	629	
	Apr-22	1,226	244	1,415	354		Apr-22	1,761	610	2,274	843		Apr-22	1,341	1,172	2,530	492	
	May-22						May-22						May-22					
	Jun-22						Jun-22						Jun-22					
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	Dec-22						Dec-22						Dec-22					
NORTH	Jan-22	938	469	1,778	643	HUD VL	Jan-22	1,062	1,130	3,738	1,083	LONGIL	Jan-22	4,217	2,685	601	241	
	Feb-22	1,019	231	1,899	887		Feb-22	1,288	390	5,143	1,806		Feb-22	4,110	1,658	1,021	355	
	Mar-22	1,192	148	2,020	699		Mar-22	960	308	7,017	2,760		Mar-22	5,091	1,935	1,581	408	
	Apr-22		165	2,180	885		Apr-22	1,400	172	5,721	1,227		Apr-22	4,736	2,343	918	469	
	May-22	i					May-22						May-22		·			
	Jun-22						Jun-22						Jun-22					
	Jul-22						Jul-22						Jul-22					
	Aug-22						Aug-22						Aug-22					
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	Oct-22						Oct-22						Oct-22					
	Nov-22						Nov-22						Nov-22					
	Dec-22						Dec-22						Dec-22					
CENTRL	Jan-22	1,317	1,284	1,104	364	MILLWD	Jan-22	1,104	654	867	262	NYISO	Jan-22	19,089	16,494	15,023	5,489	
CENTRL				1,780	409	WILLEVED		1,104	462		312	NTISO	Feb-22	23,629		21,545		
	Feb-22 Mar-22	1,665 3,731	499 251	1,780	338	$\dashv$	Feb-22 Mar-22	1,805	234	1,367 2,038	312		Mar-22	25,823	8,972 7,554	25,430	6,898 7,281	
	Apr-22		390	1,490	307	$\dashv$	Apr-22	2,136	172	1,257	309	<del> </del>	Apr-22	26,526	7,560	22,626	5,713	
	May-22	4,037	390	1,415	301	$\dashv$	May-22	2,130	172	1,237	309	$\dashv$	May-22	20,520	7,500	22,020	5,113	
	Jun-22					$\dashv$	Jun-22					<del></del>	Jun-22					
	Jul-22		1			$\dashv$	Jul-22					=	Jul-22					
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	Dec-22					=	Dec-22					=	Dec-22					

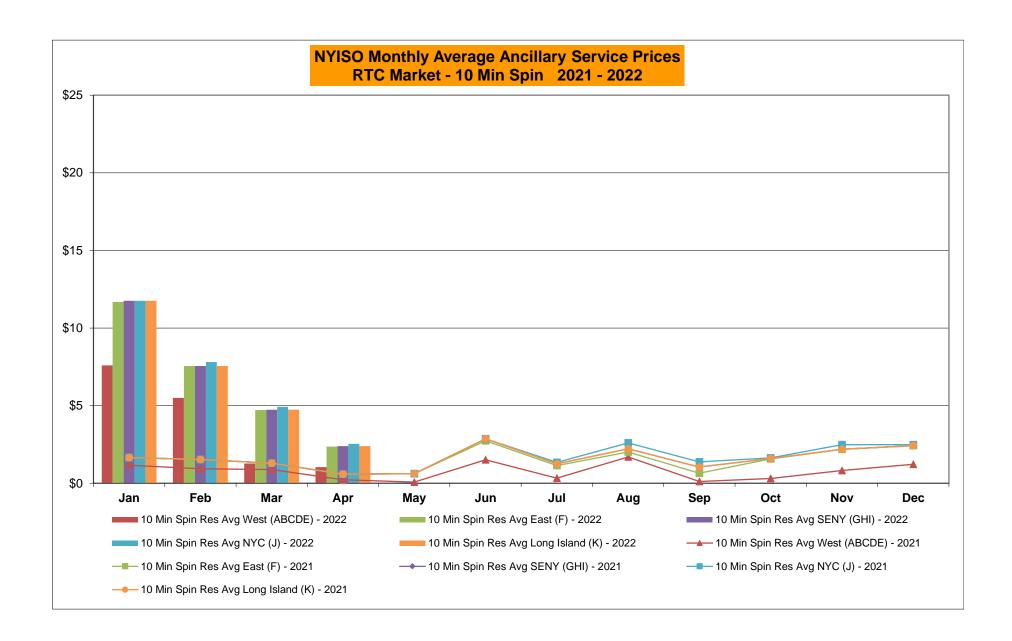


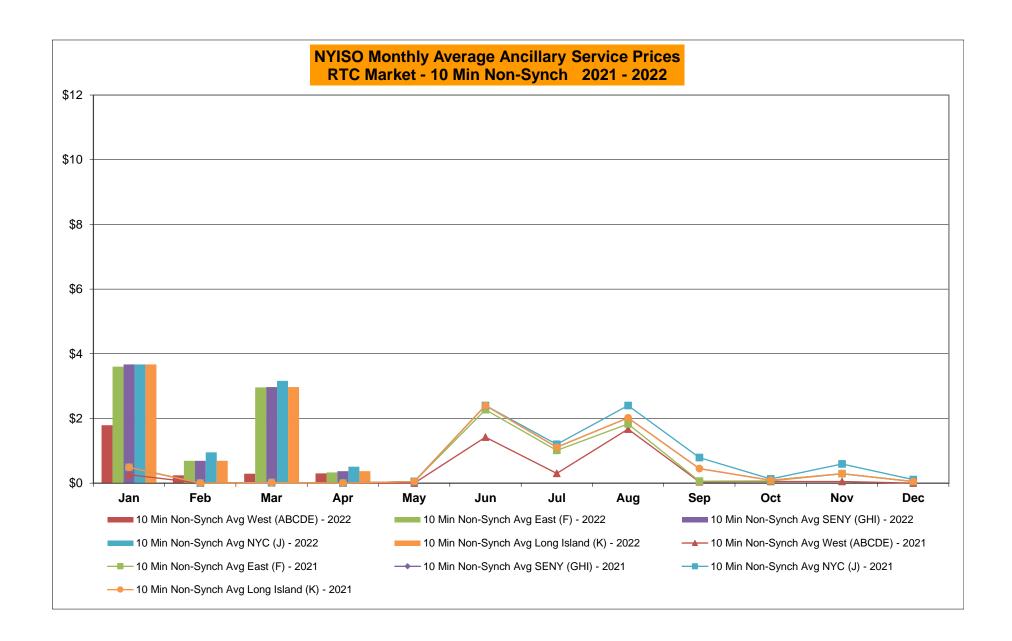


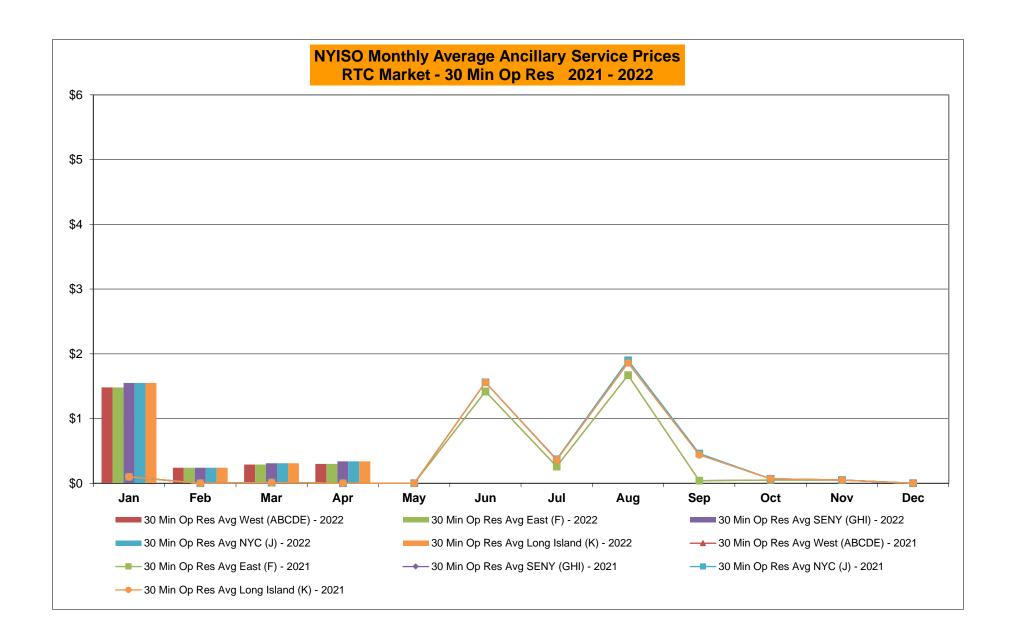


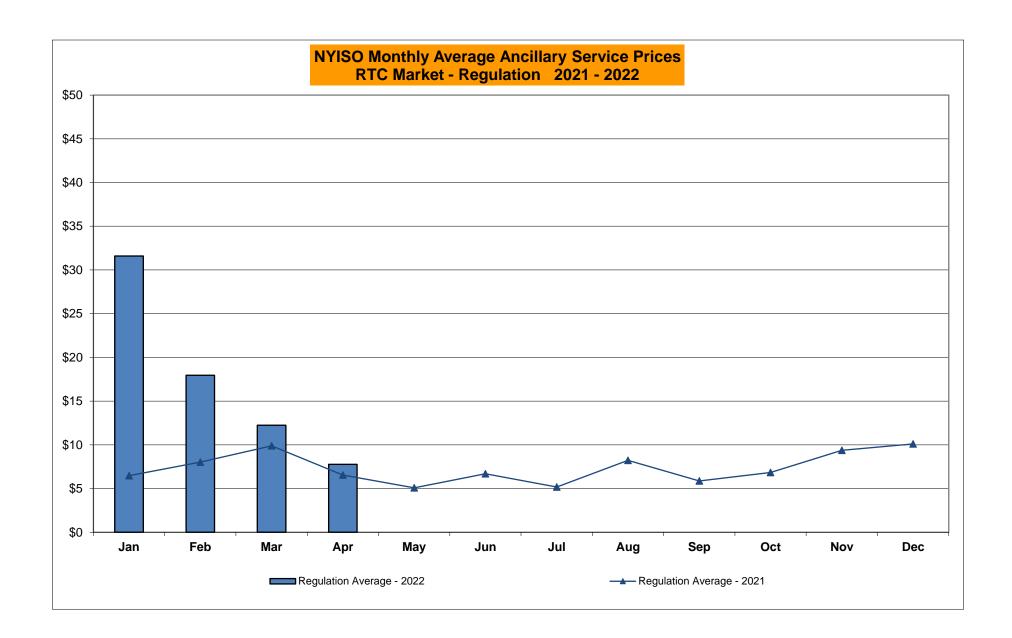


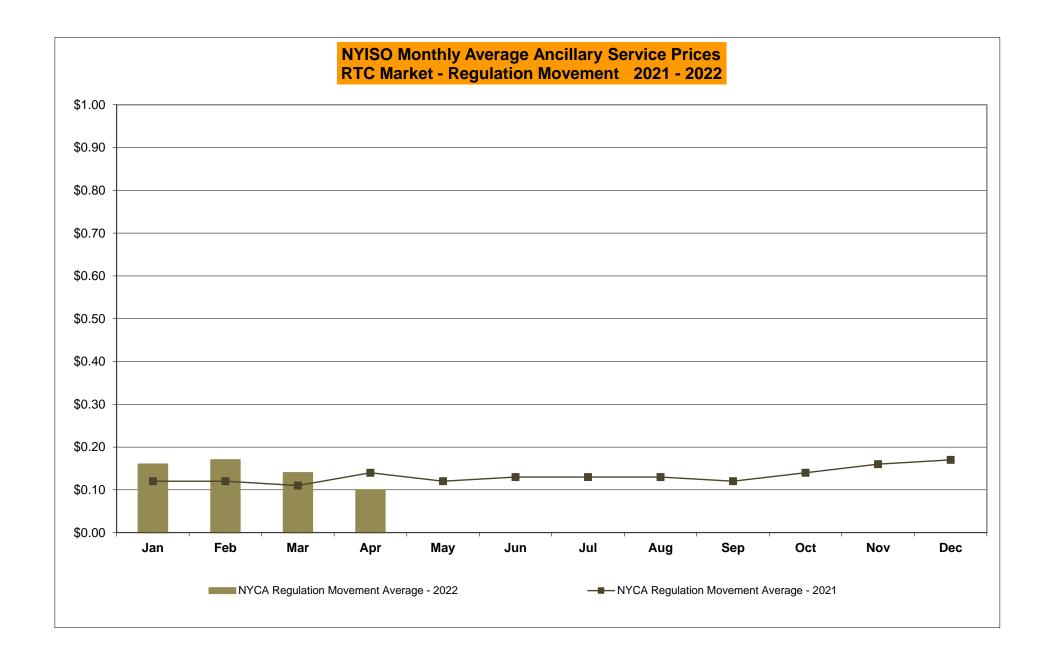


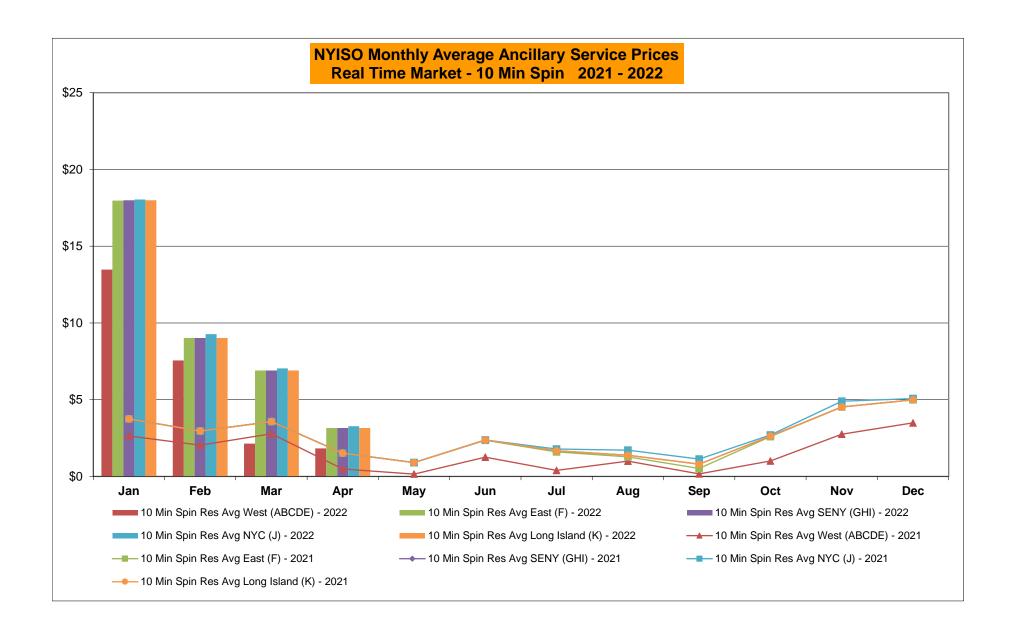


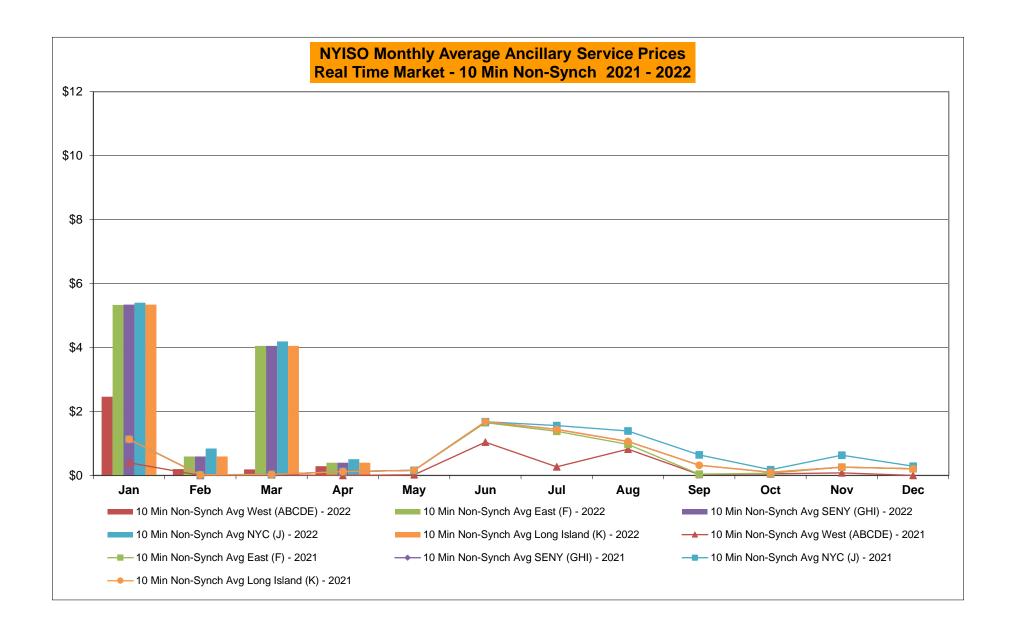


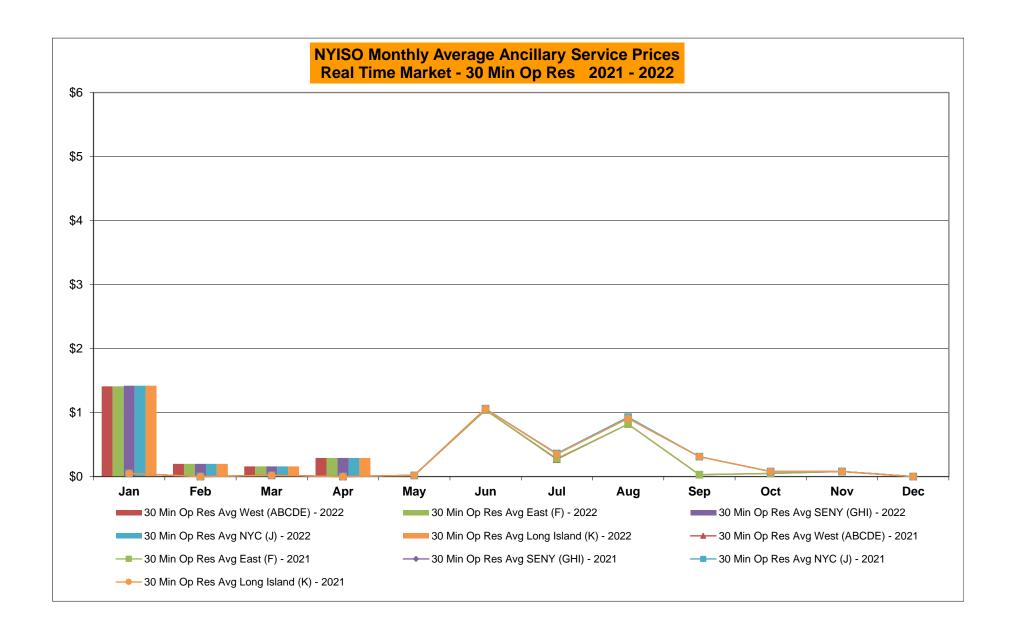


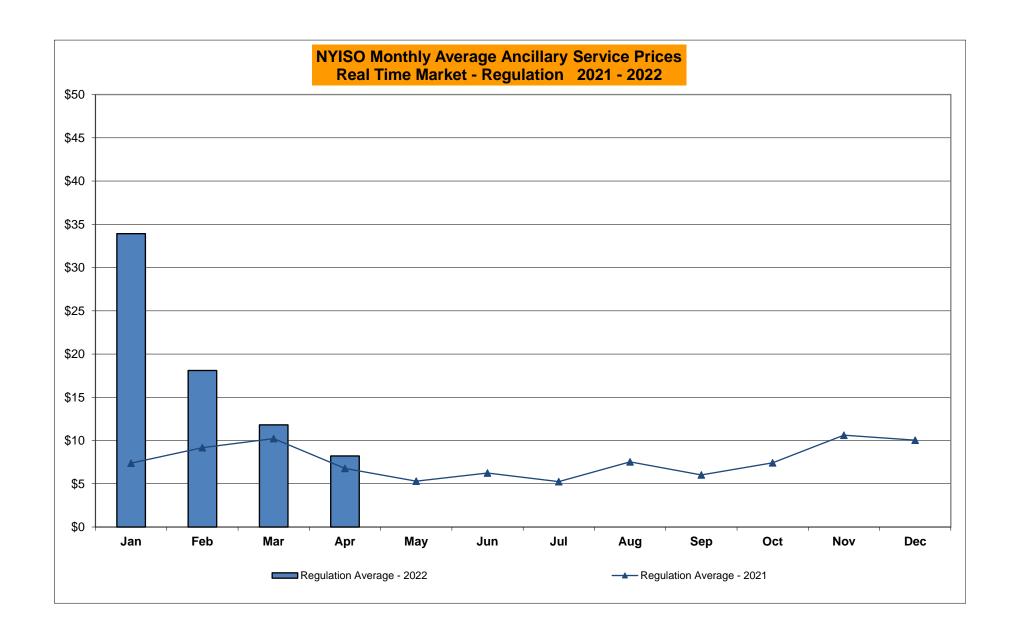


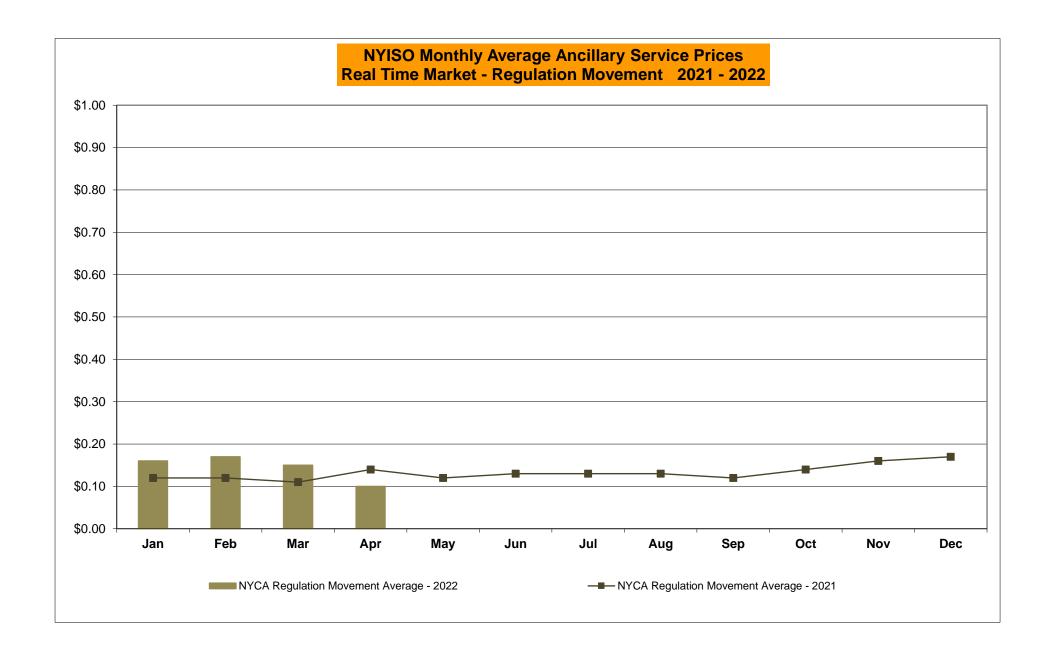












### NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - DAM

2022	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
Day Ahead Market												
10 Min Spin Long Island (K)	14.40	11.34	6.76	6.79								
10 Min Spin NYC (J)	15.32	12.52	7.29	6.80								
10 Min Spin SENY (GHI)	14.40	11.34	6.76	6.79								
10 Min Spin East (F)	14.37	11.30	6.74	6.70								
10 Min Spin West (ABCDE)	12.74	8.93	5.48	5.01								
10 Min Non Synch Long Island (K)	9.70	9.48	5.68	4.87								
10 Min Non Synch NYC (J)	10.61	10.66	6.20	4.89								
10 Min Non Synch SENY (GHI)	9.70	9.48	5.68	4.87								
10 Min Non Synch East (F)	9.66	9.44	5.66	4.78								
10 Min Non Synch West (ABCDE)	8.88	7.35	4.66	4.50								
30 Min Long Island (K)	8.92	7.40	4.67	4.59								
30 Min NYC (J)	8.95	7.42	4.67	4.59								
30 Min SENY (GHI)	8.92	7.40	4.67	4.59								
30 Min East (F)	8.88	7.35	4.66	4.50								
30 Min West (ABCDE)	8.88	7.35	4.66	4.50								
Regulation	35.17	19.48	12.56	8.94								
<u>2021</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	October	November	December
2021 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	<u>December</u>
	<u>January</u> 4.61	February 7.85	<u>March</u> 4.46	<u>April</u> 3.80	<u>May</u> 3.78	<u>June</u> 3.91	<u>July</u> 3.80	August 4.06	September 4.05	October 6.61	November 6.27	December 5.33
Day Ahead Market					· <del></del>		<del></del>			<u> </u>		
<u>Day Ahead Market</u> 10 Min Spin Long Island (K)	4.61	7.85	4.46	3.80	3.78	3.91	3.80	4.06	4.05	6.61	6.27	5.33
Day Ahead Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J)	4.61 4.68	7.85 8.01	4.46 4.46	3.80 3.81	3.78 3.80	3.91 4.38	3.80 4.14	4.06 4.51	4.05 4.19	6.61 6.69	6.27 6.60	5.33 5.56
Day Ahead Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	4.61 4.68 4.61	7.85 8.01 7.85	4.46 4.46 4.46	3.80 3.81 3.80	3.78 3.80 3.78	3.91 4.38 3.91	3.80 4.14 3.80	4.06 4.51 4.06	4.05 4.19 4.05	6.61 6.69 6.61	6.27 6.60 6.27	5.33 5.56 5.33
Day Ahead Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	4.61 4.68 4.61 4.61	7.85 8.01 7.85 7.85	4.46 4.46 4.46 4.46	3.80 3.81 3.80 3.80	3.78 3.80 3.78 3.78	3.91 4.38 3.91 3.89	3.80 4.14 3.80 3.64	4.06 4.51 4.06 3.87	4.05 4.19 4.05 3.92	6.61 6.69 6.61 6.49	6.27 6.60 6.27 6.26	5.33 5.56 5.33 5.32
Day Ahead Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	4.61 4.68 4.61 4.61 4.01	7.85 8.01 7.85 7.85 6.68	4.46 4.46 4.46 4.46 4.07	3.80 3.81 3.80 3.80 3.56	3.78 3.80 3.78 3.78 3.43	3.91 4.38 3.91 3.89 3.64	3.80 4.14 3.80 3.64 3.40	4.06 4.51 4.06 3.87 3.54	4.05 4.19 4.05 3.92 3.62	6.61 6.69 6.61 6.49 4.84	6.27 6.60 6.27 6.26 4.75	5.33 5.56 5.33 5.32 3.97
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch Long Island (K)	4.61 4.68 4.61 4.61 4.01 3.32	7.85 8.01 7.85 7.85 6.68 5.58	4.46 4.46 4.46 4.46 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) 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 5.58	4.46 4.46 4.46 4.07 3.60 3.60 3.60	3.80 3.81 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)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.32	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58	4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.60	3.80 3.81 3.80 3.56 3.25 3.26 3.25 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 3.47 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	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37 4.35	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 5.58	4.46 4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.60 3.57	3.80 3.81 3.80 3.56 3.25 3.26 3.25 3.25 3.19	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.27 3.17	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45 3.31	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46 3.31 3.19	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50 3.31	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34 3.27	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37 4.35 4.01	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81 3.70
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch Long Island (K)  10 Min Non Synch NYC (J)  10 Min Non Synch SENY (GHI)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min Long Island (K)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.32 3.22 3.22	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58 5.25	4.46 4.46 4.46 4.47 3.60 3.60 3.60 3.57 3.57	3.80 3.81 3.80 3.56 3.25 3.26 3.25 3.25 3.19 3.19	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.27 3.17 3.17	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45 3.31 3.33	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46 3.31 3.19 3.34	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50 3.31 3.49	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34 3.27 3.41	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44 4.14	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37 4.35 4.01	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 3.32 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 4.46 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	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45 3.31 3.33 3.53	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46 3.31 3.19 3.34 3.40	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50 3.31 3.49 3.62	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34 3.27 3.41 3.41	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44 4.14 4.25 4.27	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37 4.35 4.01 4.02	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81 3.70 3.71
Day Ahead Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min SENY (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 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 4.46 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 3.43 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 Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min SENY (GHI)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.22 3.22 3.22 3.22 3.23 3.22 3.22	7.85 8.01 7.85 7.85 6.68 5.58 5.74 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 3.60 3.57 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 3.19	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.27 3.17 3.17 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 3.53 3.33 3.33	3.80 4.14 3.80 3.64 3.40 3.46 3.31 3.19 3.34 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 4.02	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81 3.70 3.71 3.71 3.71
Day Ahead Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min SENY (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 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 4.46 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 3.43 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

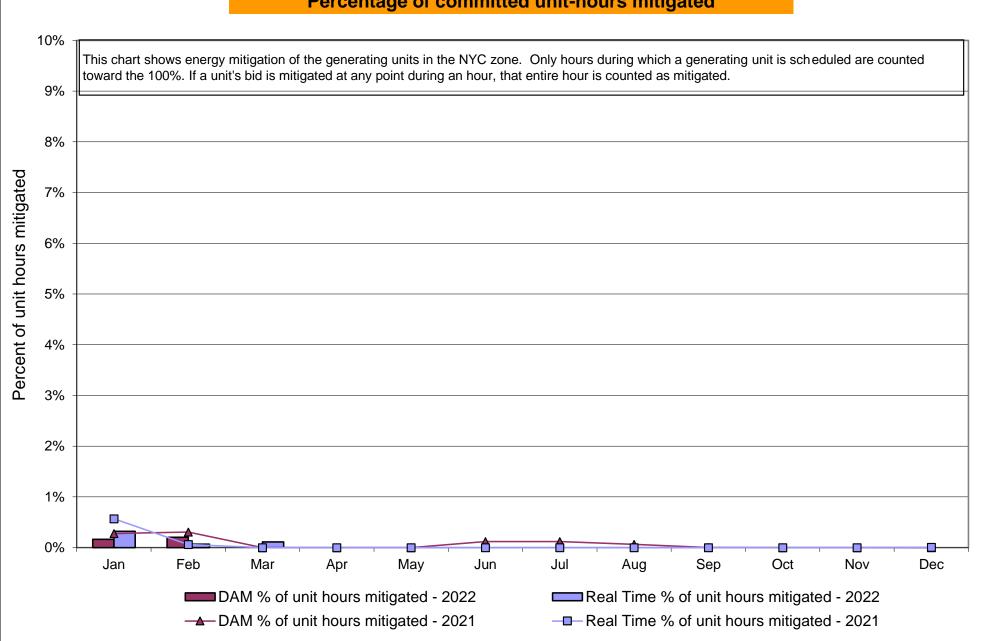
## NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RTC

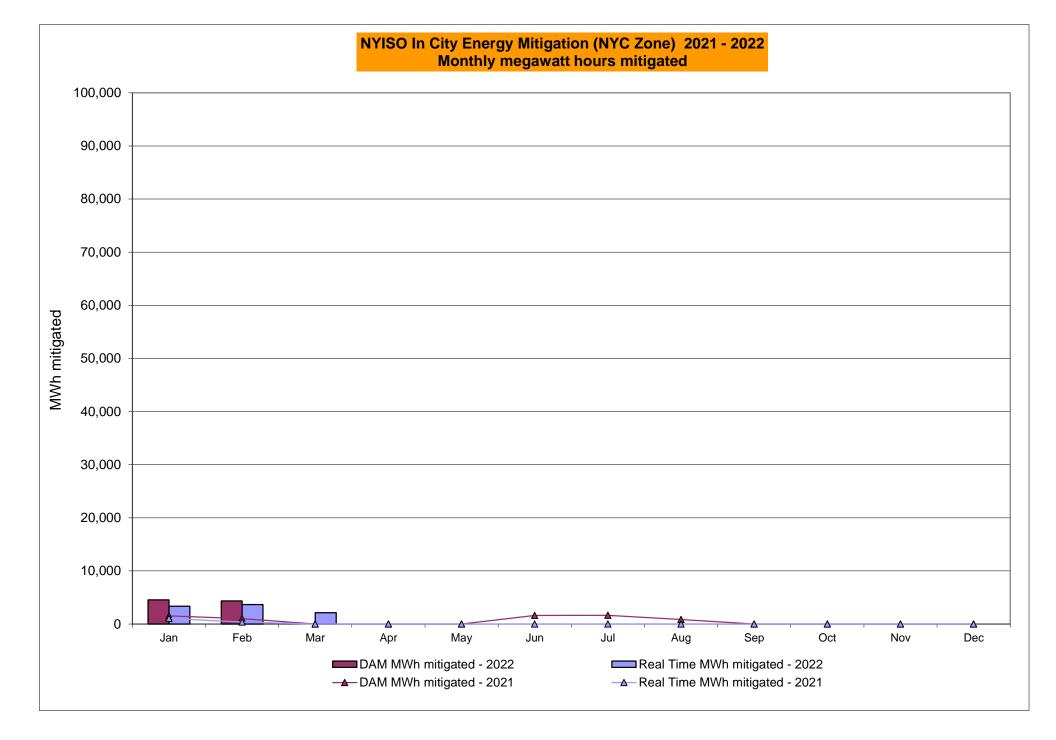
2022 DTO Mark of	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	<u>December</u>
RTC Market			4 = 0									
10 Min Spin Long Island (K)	11.75	7.55	4.73	2.39								
10 Min Spin NYC (J)	11.75	7.81	4.92	2.53								
10 Min Spin SENY (GHI)	11.75	7.55	4.73	2.39								
10 Min Spin East (F)	11.68	7.55	4.71	2.36								
10 Min Spin West (ABCDE)	7.59	5.49	1.27	1.03								
10 Min Non Synch Long Island (K)	3.67	0.69	2.97	0.37								
10 Min Non Synch NYC (J)	3.67	0.95	3.16	0.51								
10 Min Non Synch SENY (GHI)	3.67	0.69	2.97	0.37								
10 Min Non Synch East (F)	3.60	0.69	2.96	0.33								
10 Min Non Synch West (ABCDE)	1.79	0.24	0.29	0.30								
30 Min Long Island (K)	1.55	0.24	0.31	0.34								
30 Min NYC (J)	1.55	0.24	0.31	0.34								
30 Min SENY (GHI)	1.55	0.24	0.31	0.34								
30 Min East (F)	1.48	0.24	0.29	0.30								
30 Min West (ABCDE)	1.48	0.24	0.29	0.30								
Regulation	31.59	17.95	12.23	7.77								
NYCA Regulation Movement	0.16	0.17	0.14	0.10								
<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>
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
10 Min Spin NYC (J)	1.65	1.53	1.29	0.58	0.91	4.26	1.34	2.59	1.37	1.63	2.48	2.48
10 Min Spin SENY (GHI)	1.65	1.53	1.29	0.58	0.61	2.86	1.25	2.21	1.04	1.59	2.18	2.42
10 Min Spin East (F)	1.65	1.53	1.29	0.58	0.61	2.73	1.14	2.01	0.64	1.57	2.18	2.42
10 Min Spin West (ABCDE)	1.16	0.93	0.88	0.22	0.07	1.51	0.32	1.69	0.11	0.30	0.82	1.22
10 Min Non Synch Long Island (K)	0.49	0.00	0.02	0.00	0.05	2.40	1.11	2.02	0.45	0.09	0.29	0.05
10 Min Non Synch NYC (J)	0.49	0.00	0.02	0.00	0.35	3.80	1.20	2.40	0.79	0.13	0.59	0.11
10 Min Non Synch SENY (GHI)	0.49	0.00	0.02	0.00	0.05	2.40	1.11	2.02	0.45	0.09	0.29	0.05
10 Min Non Synch East (F)	0.49	0.00	0.02	0.00	0.05	2.27	1.01	1.83	0.06	0.07	0.29	0.05
10 Min Non Synch West (ABCDE)	0.26	0.00	0.01	0.00	0.00	1.42	0.30	1.67	0.04	0.05	0.05	0.00
30 Min Long Island (K)	0.10	0.00	0.01	0.00	0.00	1.56	0.36	1.86	0.44	0.07	0.05	0.00
30 Min NYC (J)	0.10	0.00	0.01	0.00	0.12	2.34	0.37	1.90	0.46	0.07	0.05	0.00
30 Min SENY (GHI)	0.10	0.00	0.01	0.00	0.00	1.56	0.36	1.86	0.44	0.07	0.05	0.00
					0.00		0.00	4.07	0.04	0.0=		0.00
30 Min East (F)	0.10	0.00	0.01	0.00	0.00	1.42	0.26	1.67	0.04	0.05	0.05	0.00
30 Min East (F) 30 Min West (ABCDE)	0.10 0.10	0.00 0.00	0.01 0.01	0.00	0.00	1.42 1.42	0.26	1.67	0.04	0.05 0.05	0.05 0.05	0.00
` '												

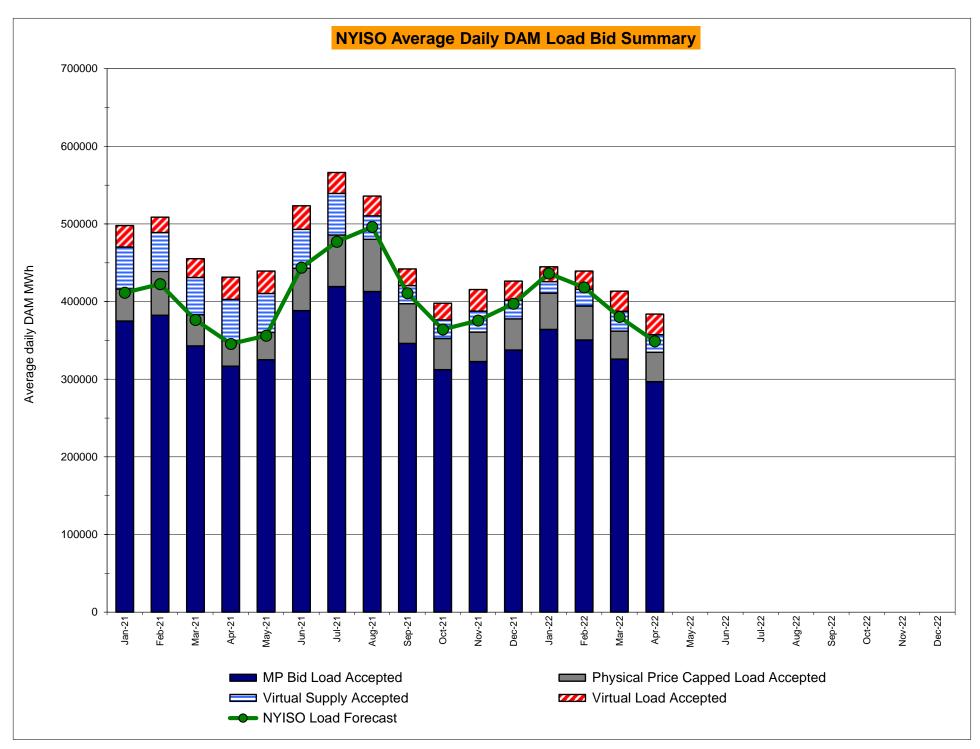
## NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RT

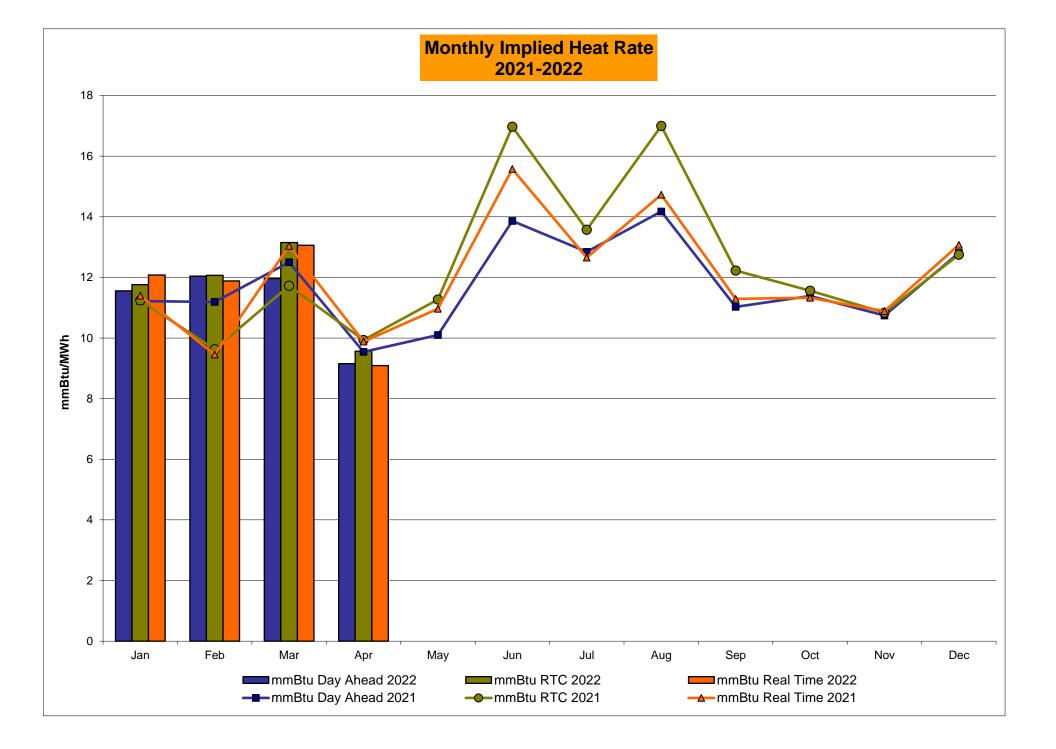
2022	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	<u>December</u>
Real Time Market												
10 Min Spin Long Island (K)	17.99	9.02	6.90	3.15								
10 Min Spin NYC (J)	18.04	9.27	7.04	3.27								
10 Min Spin SENY (GHI)	17.99	9.02	6.90	3.15								
10 Min Spin East (F)	17.97	9.02	6.90	3.15								
10 Min Spin West (ABCDE)	13.47	7.56	2.14	1.83								
10 Min Non Synch Long Island (K)	5.34	0.59	4.05	0.40								
10 Min Non Synch NYC (J)	5.40	0.84	4.19	0.51								
10 Min Non Synch SENY (GHI)	5.34	0.59	4.05	0.40								
10 Min Non Synch East (F)	5.33	0.59	4.05	0.40								
10 Min Non Synch West (ABCDE)	2.46	0.20	0.19	0.29								
30 Min Long Island (K)	1.42	0.20	0.16	0.29								
30 Min NYC (J)	1.42	0.20	0.16	0.29								
30 Min SENY (GHI)	1.42	0.20	0.16	0.29								
30 Min East (F)	1.41	0.20	0.16	0.29								
30 Min West (ABCDE)	1.41	0.20	0.16	0.29								
Regulation	33.92	18.10	11.81	8.22								
NYCA Regulation Movement	0.16	0.17	0.15	0.10								
2021	January	February	March	April	Mav	June	Julv	August	September	October	November	December
2021 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>	October	November	<u>December</u>
Real Time Market						· <del></del>	<del></del>			' <u></u>		
	3.75	2.96	3.57	1.51	0.90	2.38	1.67	August 1.38 1.71	0.80	2.62	4.53	4.99
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J)	3.75 3.75	2.96 2.96	3.57 3.57	1.51 1.51	0.90 1.16	2.38 3.77	1.67 1.78	1.38 1.71	0.80 1.13	2.62 2.70	4.53 4.90	4.99 5.07
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	3.75 3.75 3.75	2.96 2.96 2.96	3.57 3.57 3.57	1.51 1.51 1.51	0.90 1.16 0.90	2.38 3.77 2.38	1.67 1.78 1.67	1.38 1.71 1.38	0.80 1.13 0.80	2.62 2.70 2.62	4.53 4.90 4.53	4.99 5.07 4.99
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	3.75 3.75 3.75 3.75	2.96 2.96 2.96 2.96	3.57 3.57 3.57 3.57	1.51 1.51 1.51 1.51	0.90 1.16 0.90 0.90	2.38 3.77 2.38 2.35	1.67 1.78 1.67 1.60	1.38 1.71 1.38 1.28	0.80 1.13 0.80 0.52	2.62 2.70 2.62 2.59	4.53 4.90 4.53 4.53	4.99 5.07 4.99 4.99
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	3.75 3.75 3.75 3.75 2.64	2.96 2.96 2.96 2.96 2.03	3.57 3.57 3.57 3.57 2.78	1.51 1.51 1.51 1.51 0.49	0.90 1.16 0.90 0.90 0.15	2.38 3.77 2.38 2.35 1.25	1.67 1.78 1.67 1.60 0.39	1.38 1.71 1.38 1.28 0.99	0.80 1.13 0.80 0.52 0.16	2.62 2.70 2.62 2.59 1.01	4.53 4.90 4.53 4.53 2.75	4.99 5.07 4.99 4.99 3.49
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K)	3.75 3.75 3.75 3.75 2.64 1.13	2.96 2.96 2.96 2.96 2.03 0.02	3.57 3.57 3.57 3.57 2.78 0.03	1.51 1.51 1.51 1.51 0.49 0.12	0.90 1.16 0.90 0.90 0.15 0.16	2.38 3.77 2.38 2.35 1.25 1.68	1.67 1.78 1.67 1.60 0.39 1.44	1.38 1.71 1.38 1.28 0.99 1.06	0.80 1.13 0.80 0.52 0.16 0.32	2.62 2.70 2.62 2.59 1.01 0.10	4.53 4.90 4.53 4.53 2.75 0.26	4.99 5.07 4.99 4.99 3.49 0.21
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J)	3.75 3.75 3.75 3.75 2.64 1.13	2.96 2.96 2.96 2.96 2.03 0.02 0.02	3.57 3.57 3.57 3.57 2.78 0.03 0.03	1.51 1.51 1.51 1.51 0.49 0.12 0.12	0.90 1.16 0.90 0.90 0.15 0.16 0.42	2.38 3.77 2.38 2.35 1.25 1.68 3.07	1.67 1.78 1.67 1.60 0.39 1.44 1.56	1.38 1.71 1.38 1.28 0.99 1.06 1.39	0.80 1.13 0.80 0.52 0.16 0.32 0.64	2.62 2.70 2.62 2.59 1.01 0.10 0.18	4.53 4.90 4.53 4.53 2.75 0.26 0.63	4.99 5.07 4.99 4.99 3.49 0.21 0.29
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI)	3.75 3.75 3.75 3.75 2.64 1.13 1.13	2.96 2.96 2.96 2.96 2.03 0.02 0.02	3.57 3.57 3.57 3.57 2.78 0.03 0.03	1.51 1.51 1.51 1.51 0.49 0.12 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	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
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 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	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10 0.07	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26 0.26	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.21
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13 1.13	2.96 2.96 2.96 2.03 0.02 0.02 0.02 0.02 0.02	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.03	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.16 0.02	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65 1.04	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44 1.38 0.27	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97 0.82	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04	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 0.03 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	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 0.08	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.21 0.00 0.00
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13 1.13 0.40 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	1.67 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	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03 0.31	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10 0.07 0.05 0.08	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26 0.26 0.08 0.08	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.21 0.00 0.00
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min 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	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	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65 1.04 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	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97 0.82 0.91 0.93	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03 0.31	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10 0.07 0.05 0.08 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 0.01 0.00 0.00
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min SENY (GHI)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13 0.40 0.05 0.05 0.05	2.96 2.96 2.96 2.96 2.03 0.02 0.02 0.02 0.02 0.00 0.00 0.00	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.02 0.02 0.02	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12 0.00 0.00 0.00 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.016 0.02 0.02 0.02	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65 1.04 1.06 1.84 1.06	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44 1.38 0.27 0.35 0.35 0.36	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97 0.82 0.91 0.93	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03 0.31 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 0.08 0.08 0.08 0.08	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.00 0.00 0.00 0.00
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min SENY (GHI) 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 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 0.00	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	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	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26 0.08 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 Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min SENY (GHI)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13 0.40 0.05 0.05 0.05	2.96 2.96 2.96 2.96 2.03 0.02 0.02 0.02 0.02 0.00 0.00 0.00	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.02 0.02 0.02	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12 0.00 0.00 0.00 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.016 0.02 0.02 0.02	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65 1.04 1.06 1.84 1.06	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44 1.38 0.27 0.35 0.35 0.36	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97 0.82 0.91 0.93	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03 0.31 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 0.08 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

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

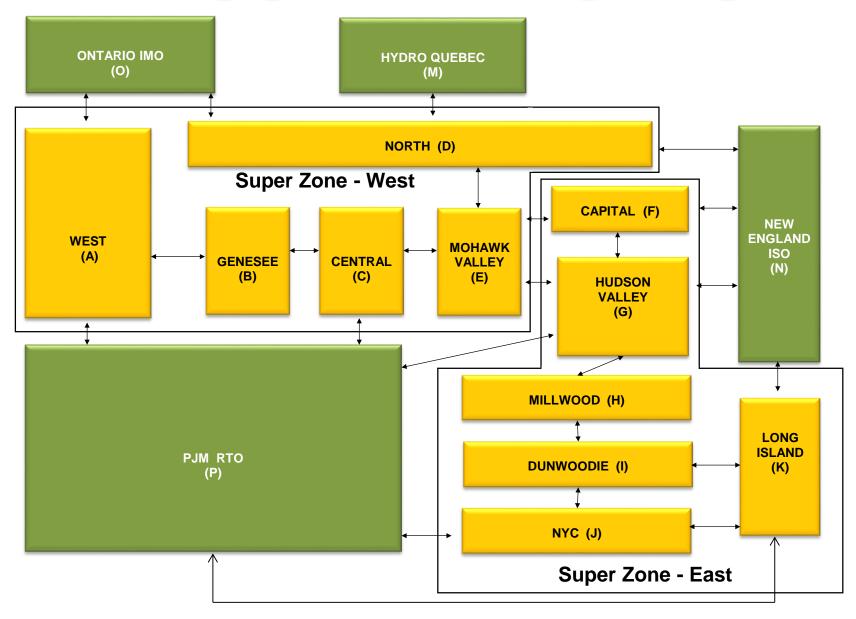








# NYISO LBMP ZONES



Market Mitigation and Analysis Prepared: 5/12/2022 11:19 AM

#### **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

# 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 compliance filing re: FERC's Order accepting proposed tariff revisions related to NYISO's Buyer-Side Mitigation reforms and Capacity Accreditation Market Design provisions, as directed by May 10, 2022 FERC order	ER22-772-001

**Recently Issued Orders** 

Filing Date	Filing Summary (Order Issued)	Order Date	Order Summary	Docket Number
	NYISO-National Grid joint Section 205 filing to FERC of a Large Generator Interconnection Agreement among NYISO, NMPC, and East Point Energy Center for the East Point Solar project		An Order accepted the submission, effective February 18, 2022, as requested	ER22-1072-000
	NYISO-National Grid joint Section 205 filing to FERC of a Large Generator Interconnection Agreement among NYISO, National Grid and High River Energy Center for the High River Solar project		An Order accepted the submission, effective February 18, 2022, as requested	ER22-1073-000
	NYISO-National Grid joint Section 205 filing to FERC of an Engineering, Procurement, and Construction Agreement among NYISO, National Grid and NextEra, for the Empire State Line project		An Order accepted the submission, effective February 18, 2022, as requested	ER22-1119-000
	NYISO-National Grid joint Section 205 filing to FERC of a Small Generator Interconnection Agreement among the NYISO, National Grid and Bald Mountain Solar for the NY 13 Solar Project		An Order accepted the submission, effective February 10, 2022, as requested	ER22-1109-000
	NYISO-National Grid joint Section 205 filing to FERC of a Small Generator Interconnection Agreement among NYISO, NMPC and KCE NY6 for the KCE NY6 Battery Storage Project		An Order accepted the submission, effective February 18, 2022, as requested	ER22-1207-000
	NYISO compliance filing to FERC of a notice to set an early effective date for Distributed Energy Resources revisions to realtime telemetry provisions, in certain section of the tariff, to accommodate implementation of Co-located Storage Resources		An Order accepted the submission, effective March 31, 2021, as requested	ER19-2276-004

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03/11/2022	NYISO's initial Section 205 filing and filing to FERC of a	05/10/2022	An order accepted the submission, effective May 11, 2022,	ER22-772-001
l l	response to FERC's February 9, 2022 deficiency letter		as requested, and directed further compliance filings	
	requesting additional information related to NYISO's proposed			
	tariff revisions addressing Buyer-Side Mitigation reforms and			
	Capacity Accreditation Market Design			

**Recently Submitted Filings** 

Filing Date	Filing Summary	Docket Number
04/19/2022	NYISO filing to FERC of supplemental comments to clarify its ability to process NYSEG's September 1, 2021, SCR performance test data	ER22-1199-000
04/25/2022	NYISO filing to FERC of comments in response to the FERC Notice of Inquiry related to Implementation of Dynamic Line Ratings	AD22-5-000
04/25/2022	NYISO filing to FERC of an Electric Quarterly Report (EQR) re: data on electric power contracts and wholesale power sales during the most recent calendar quarter	ER02-2001-000
04/26/2022	NYISO filing to FERC of an annual report of total MW-hours of transmission service interstate commerce for 2021 in compliance with FERC Reporting Requirement No. 582	FERC Form No. 582
04/29/2022	NYISO Section 205 filing to FERC of proposed tariff revisions to modify Real-Time Bid Production Cost Guarantee Payment Eligibility	ER22-1733-000
05/13/2022	NYISO informational filing to FERC of interconnection study metrics for the 1st quarter of 2022, consistent with the requirement of Order Nos. 845 and 845-A	SER19-1949-000

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

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



