

Monthly Report

A Report by the New York Independent System Operator

October 2022



Table of Contents

Operations Performance Metrics Report

Market Operation's Report

Daily Loads

Regulatory Filings

Operations Performance Metrics Monthly Report









October 2022 Report

Operations & Reliability Department New York Independent System Operator



Table of Contents

- Highlights
 - Operations Performance

Reliability Performance Metrics

- Alert State Declarations
- Major Emergency State Declarations
- IROL Exceedance Times
- Balancing Area Control Performance
- Reserve Activations
- Disturbance Recovery Times
- Load Forecasting Performance
- Wind Forecasting Performance
- Wind Performance and Curtailments
- BTM Solar Performance
- BTM Solar Forecasting Performance
- Net Wind and Solar Performance
- Net Load Forecasting Performance
- Net Load Ramp Trends
- Lake Erie Circulation and ISO Schedules

• Broader Regional Market Performance Metrics

- PAR Interconnection Congestion Coordination Monthly Value
- PAR Interconnection Congestion Coordination Daily Value
- Regional Generation Congestion Coordination Monthly Value
- Regional Generation Congestion Coordination Daily Value
- Regional RT Scheduling PJM Monthly Value
- Regional RT Scheduling PJM Daily Value

Market Performance Metrics

- Monthly Statewide Uplift Components and Rate
- RTM Congestion Residuals Monthly Trend
- RTM Congestion Residuals Daily Costs
- RTM Congestion Residuals Event Summary
- RTM Congestion Residuals Cost Categories
- DAM Congestion Residuals Monthly Trend
- DAM Congestion Residuals Daily Costs
- DAM Congestion Residuals Cost Categories
- NYCA Unit Uplift Components Monthly Trend
- NYCA Unit Uplift Components Daily Costs
- Local Reliability Costs Monthly Trend & Commitment Hours
- TCC Monthly Clearing Price with DAM Congestion
- ICAP Spot Market Clearing Price
- UCAP Awards



October 2022 Operations Performance Highlights

- October 2022 peak load of 18,326 MW occurred on 10/26/2022 HB 18
- Summer 2022 capability period peak load to date of 30,505MW occurred on 7/20/2022 HB 17
- All-time summer capability period peak load of 33,956 MW occurred on 07/19/2013 HB 16
- 0.0 hours of Thunderstorm Alerts were declared
- 0.0 hours of NERC TLR level 3 curtailment
- Autumn 2022-2023 Centralized TCC auction six-month average clearing price for Central-Capital is \$85.9/MW

Installed Intermittent Power Resource Nameplate Values:

Land-Based Wind	Behind-the-Meter Solar	Front-of-the-Meter Solar 74 MW	
2,191 MW	4,123 MW		

Estimated production cost savings associated with the Broader Regional Market initiatives:

	Current Month	Year-to-Date
	Value (\$M)	Value (\$M)
NY Savings from PJM-NY Congestion Coordination	\$3.56	\$29.40
NY Savings from PJM-NY Coordinated Transaction Scheduling	(\$0.20)	\$1.44
NY Savings from NE-NY Coordinated Transaction Scheduling	(\$0.50)	\$8.46
Total NY Savings	\$2.86	\$39.30
Regional Savings from PJM-NY Coordinated Transaction Scheduling	\$0.84	\$6.02
Regional Savings from NE-NY Coordinated Transaction Scheduling	\$0.14	\$3.26
Total Regional Savings	\$0.98	\$9.28

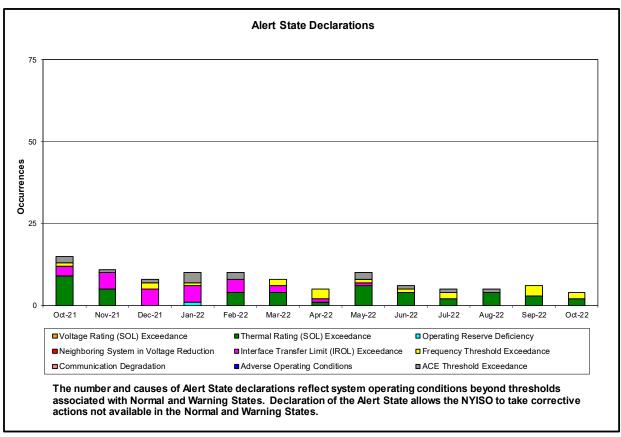
- Statewide uplift cost monthly average was (\$0.72)/MWh.
- The following table identifies the Monthly ICAP spot market prices and the price delta.

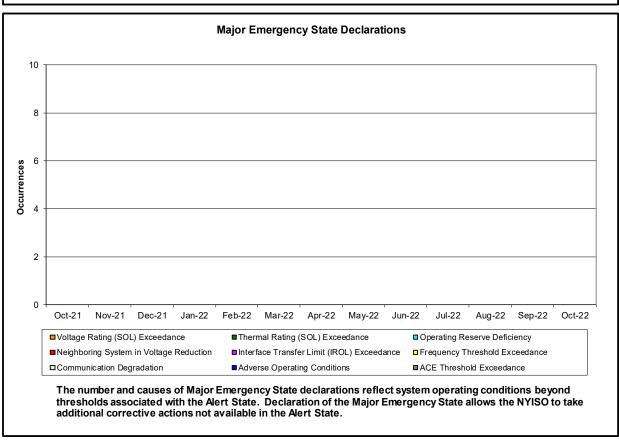
Spot Auction Price Results	NYCA	Lower Hudson Valley Zones	New York City Zone	Long Island Zone
November 2022 Spot Price	\$1.54	\$1.54	\$1.54	\$1.54
April 2022 Spot Price	\$0.76	\$0.76	\$0.76	\$1.81
Delta	\$0.78	\$0.78	\$0.78	(\$0.27)

 Price changes from April 2022 to November 2022 are driven by changes in supply as well as Capability Year inputs such as demand curve parameters, Locational Capacity Requirements, Installed Reserve Margin, and the load forecast.

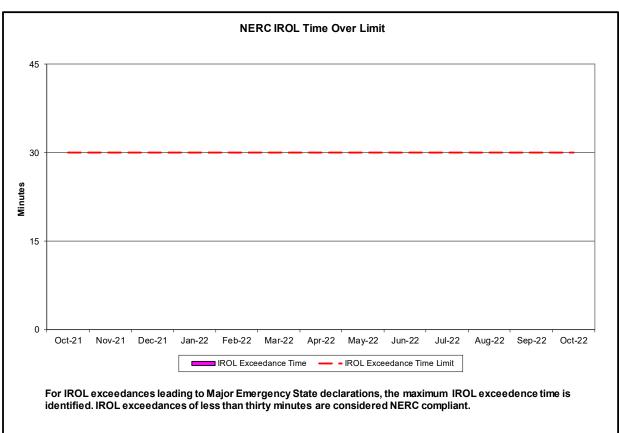


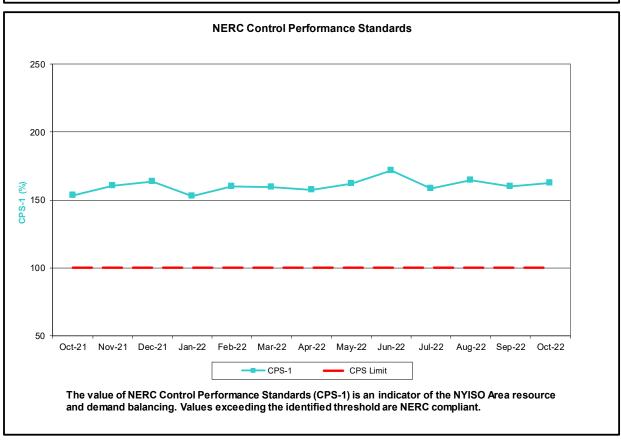
Reliability Performance Metrics



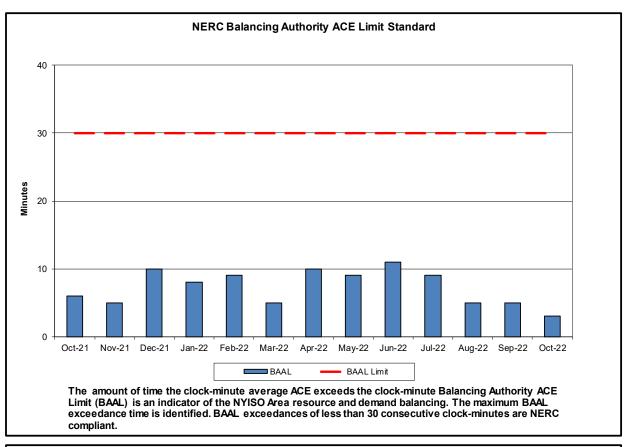


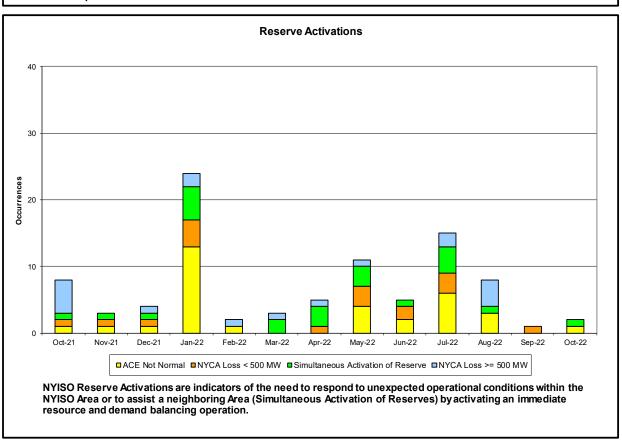




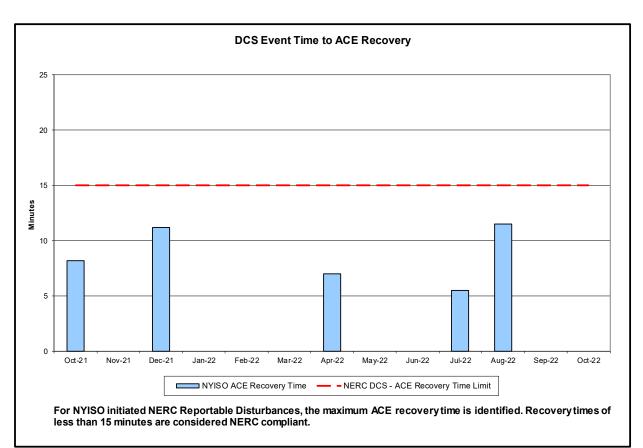


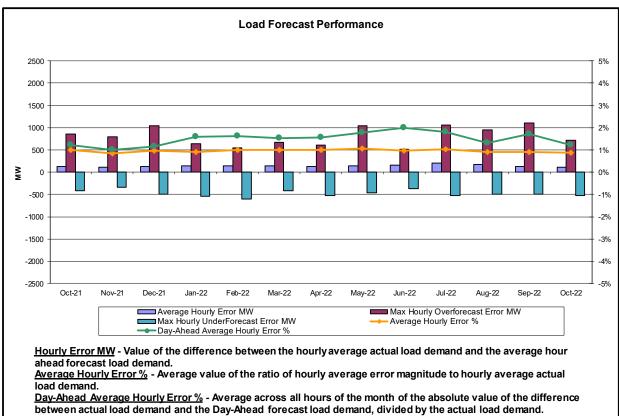




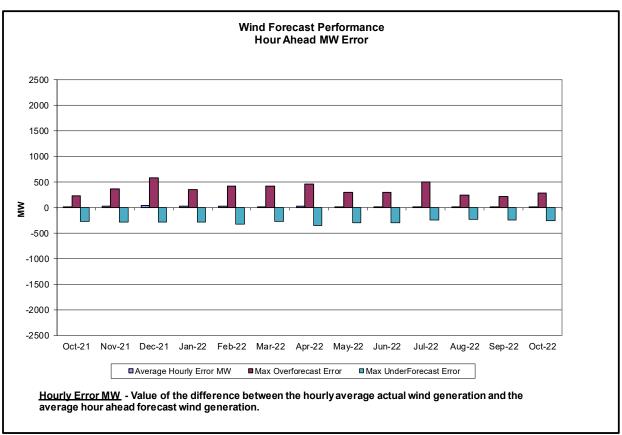


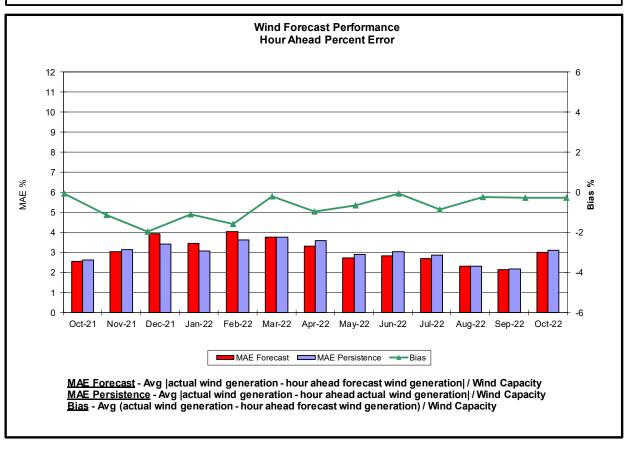




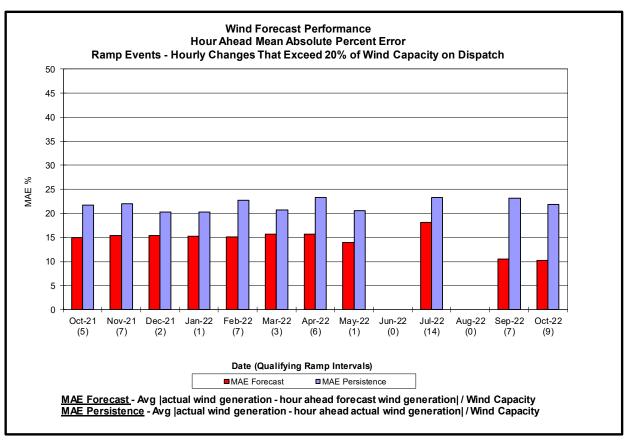


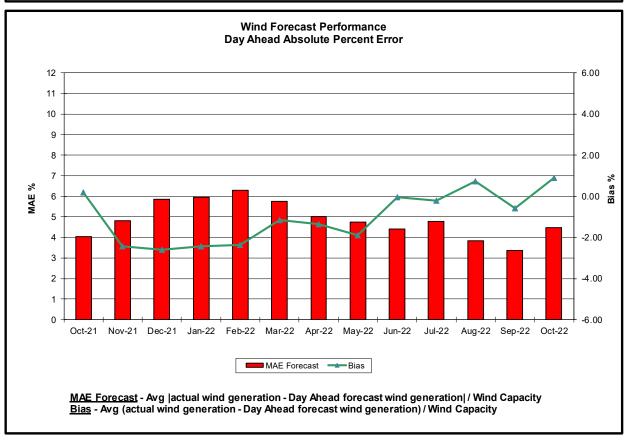




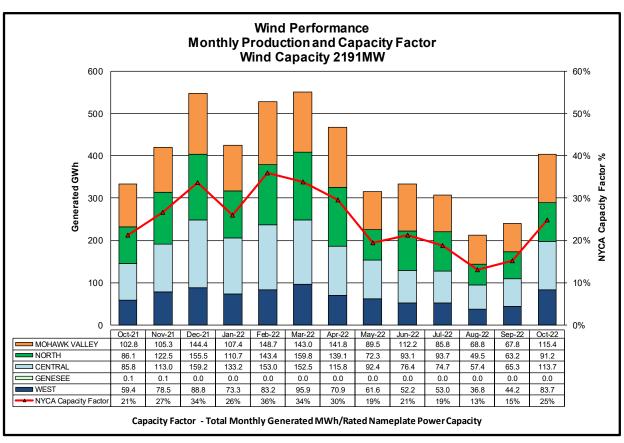


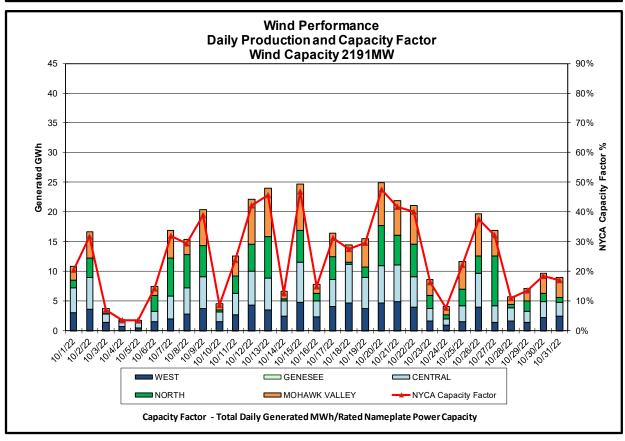




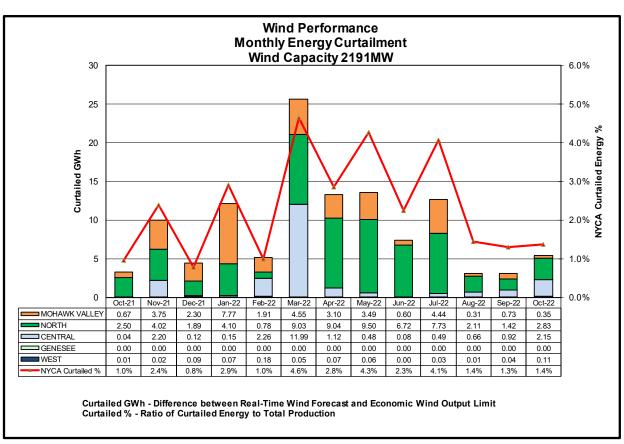


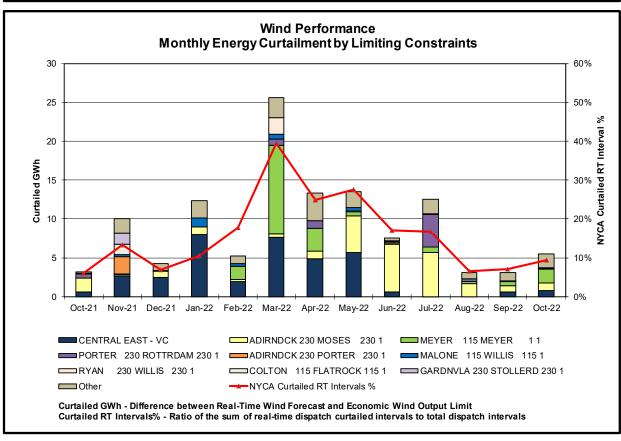




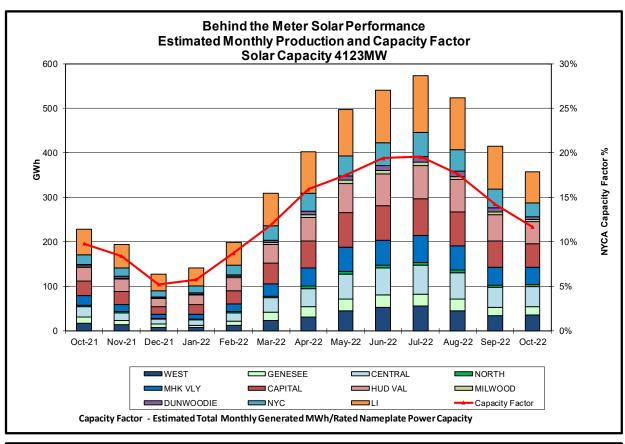


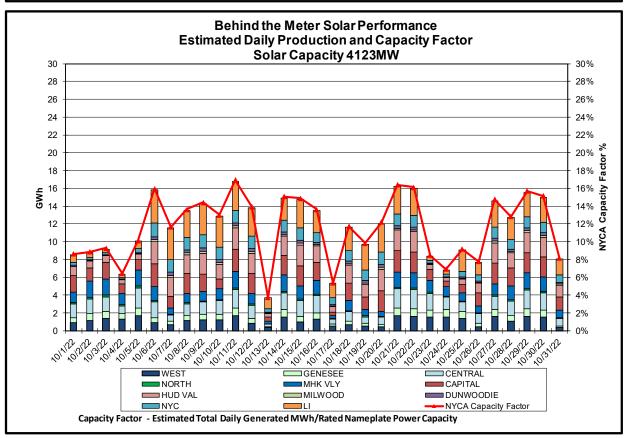




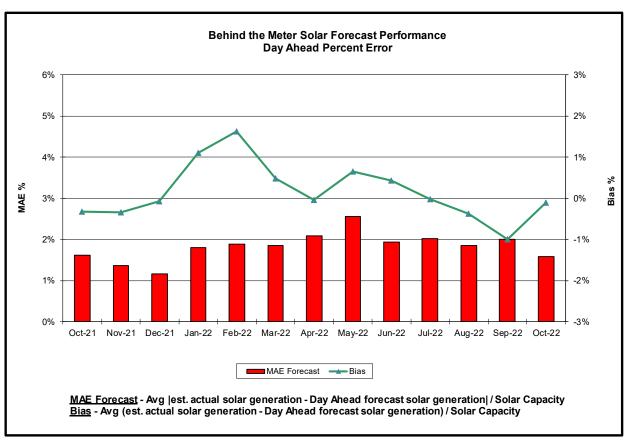


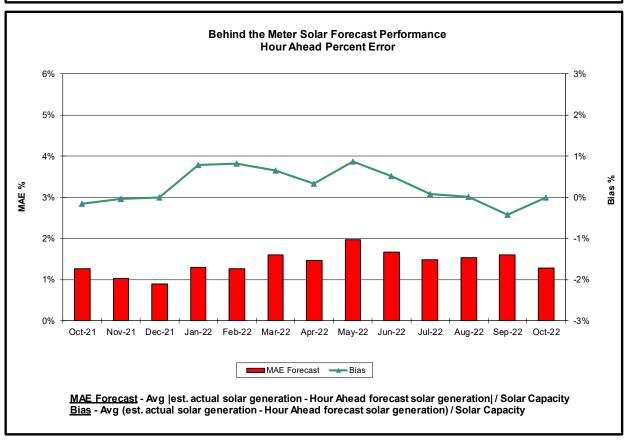




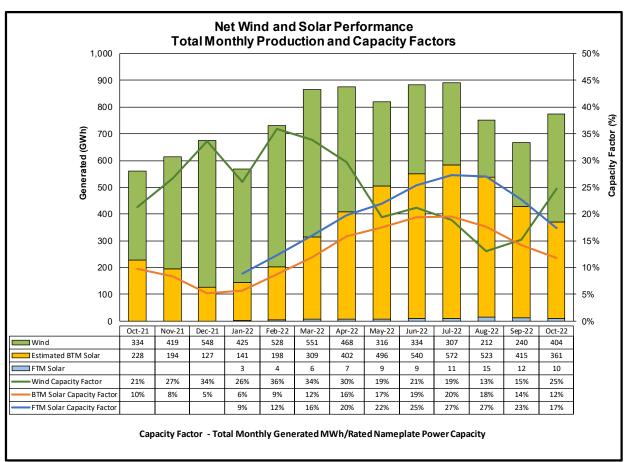


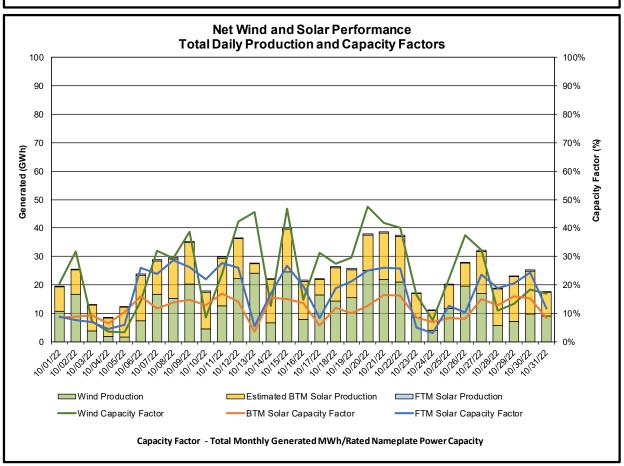




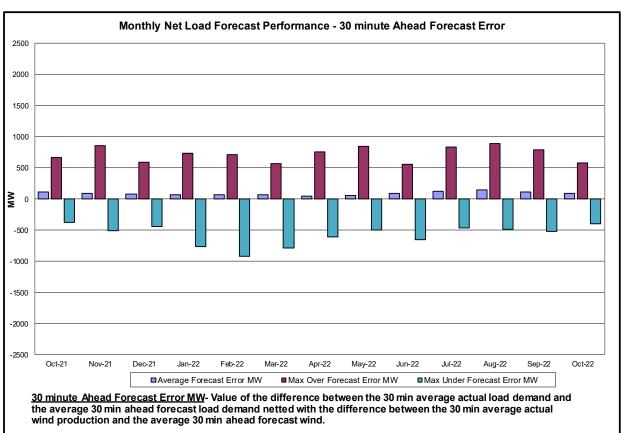


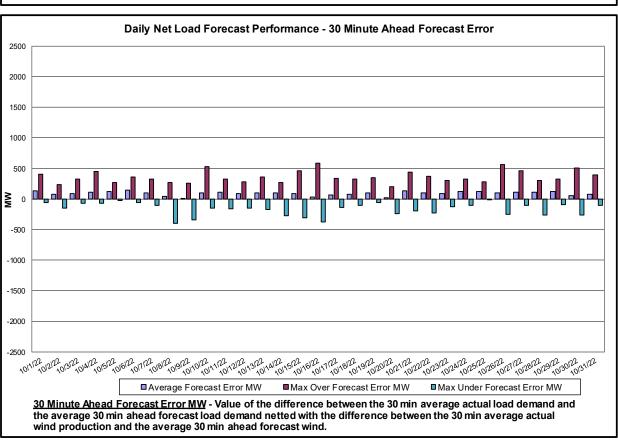




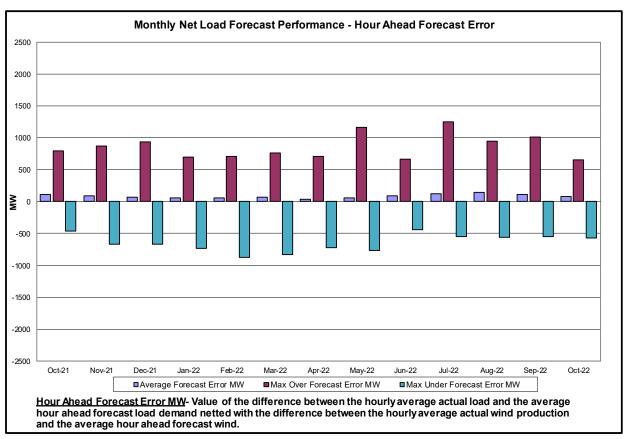


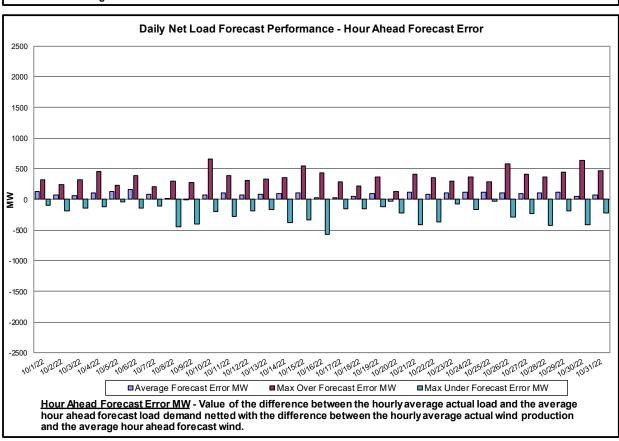




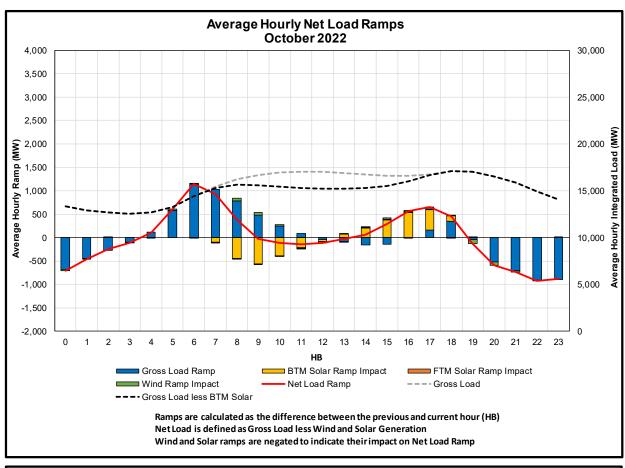


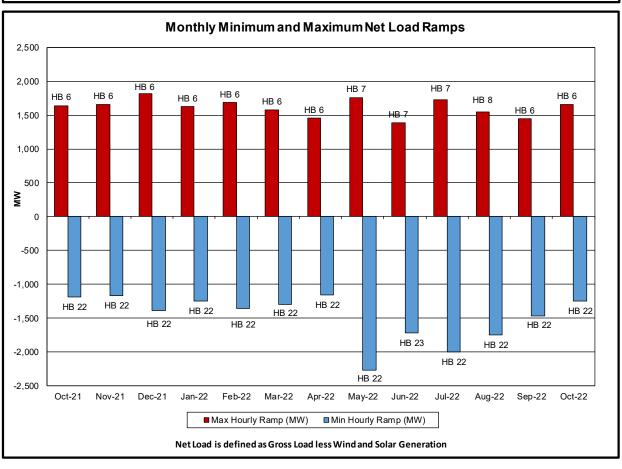




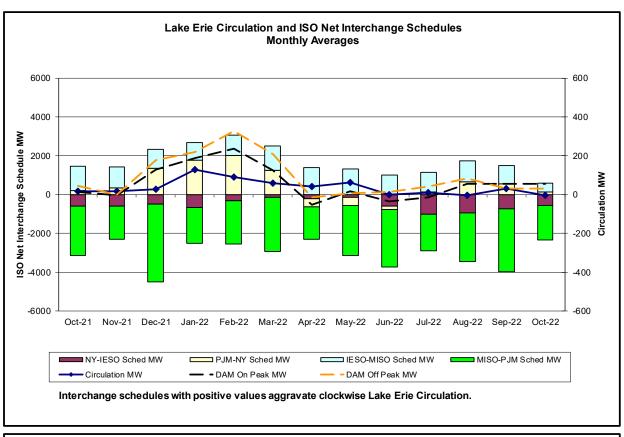


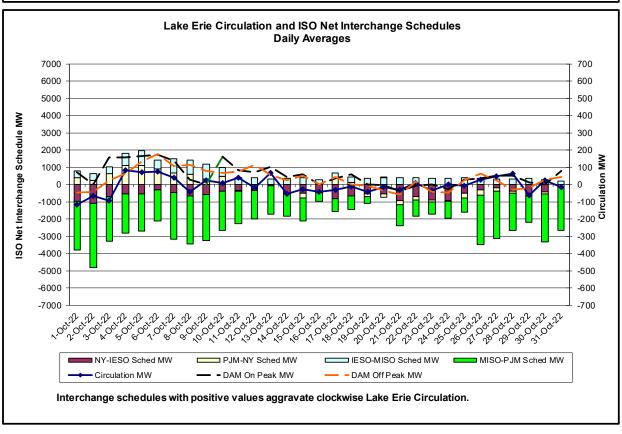






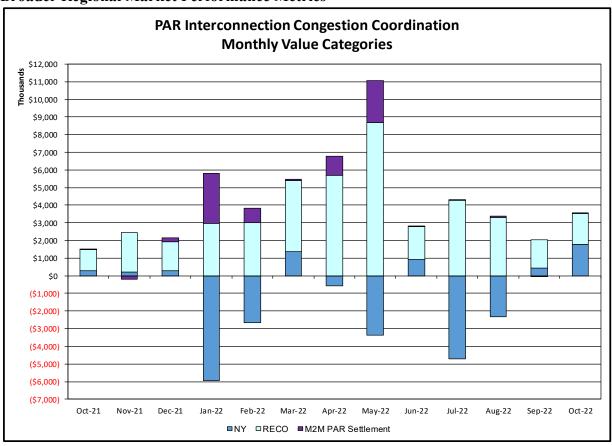


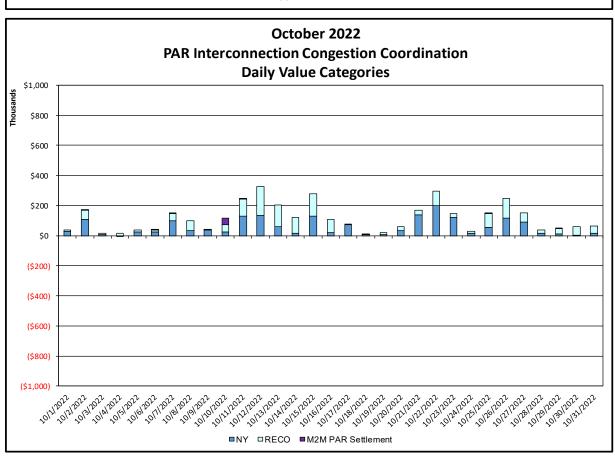






Broader Regional Market Performance Metrics







PAR Interconnection Congestion Coordination

<u>Category</u> <u>Description</u>

NY Represents the value NY realizes from Market-to-Market PAR Coordination when

experiencing congestion. This is the estimated savings to NY for additional deliveries into NY

RECO Represents the value of PJM's obligation to deliver 80% of service to RECO load over

Ramapo 5018. This is the estimated reduction in NYCA congestion due to the PJM delivery

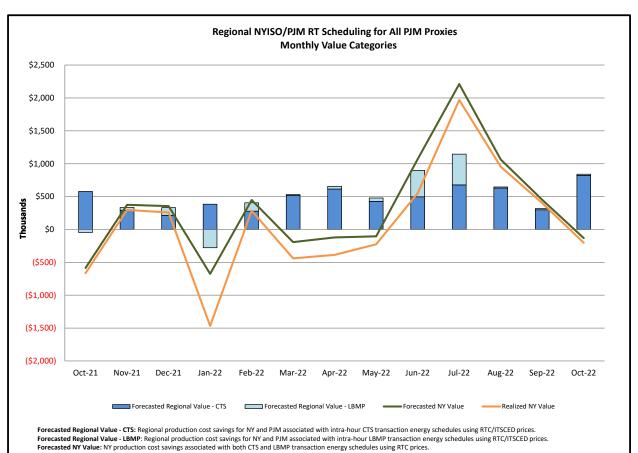
of RECO over Ramapo 5018.

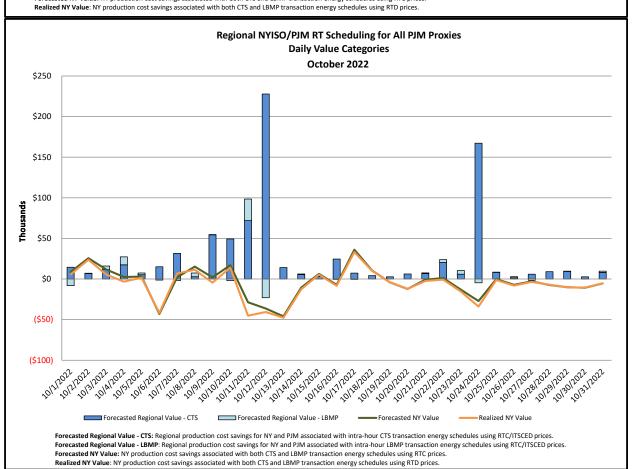
M2M PAR Settlement Market-to-Market PAR Coordination settlement on coordinated flowgates. Through April 2017

this value was included in the NY and RECO categories. The positive sign convention $\ensuremath{\mathsf{N}}$

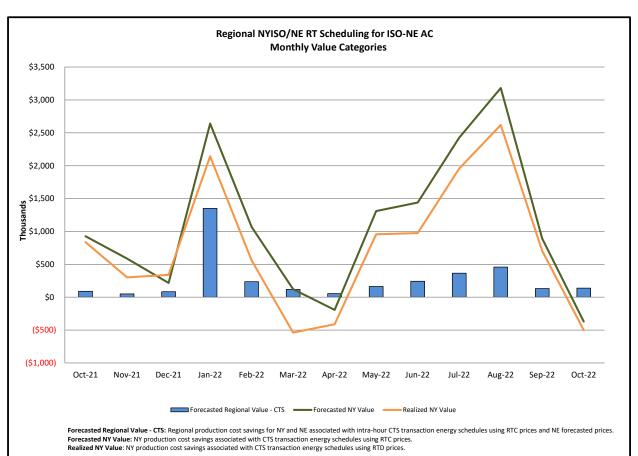
indicates settlement to NY while the negative indicates settlement to PJM.

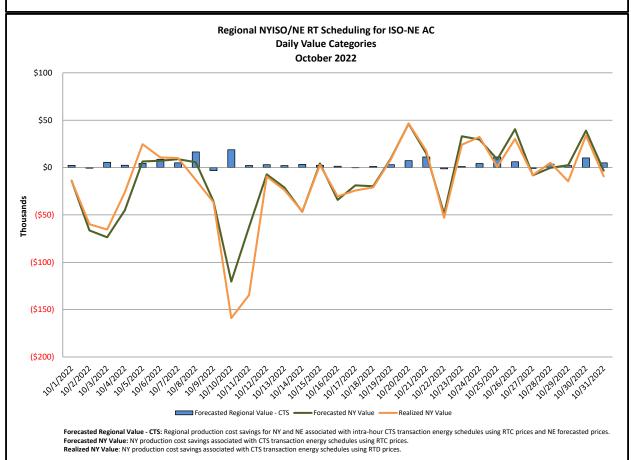






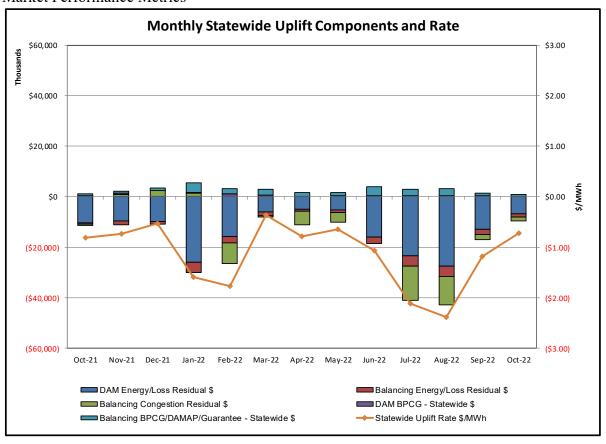




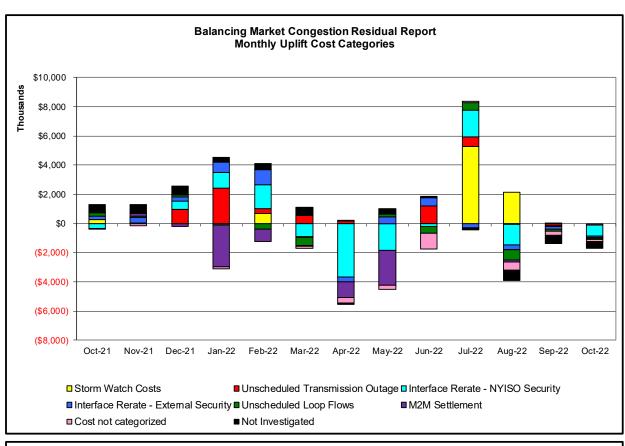


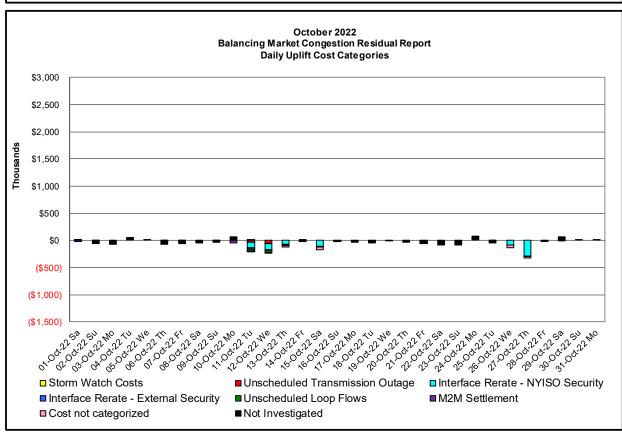


Market Performance Metrics







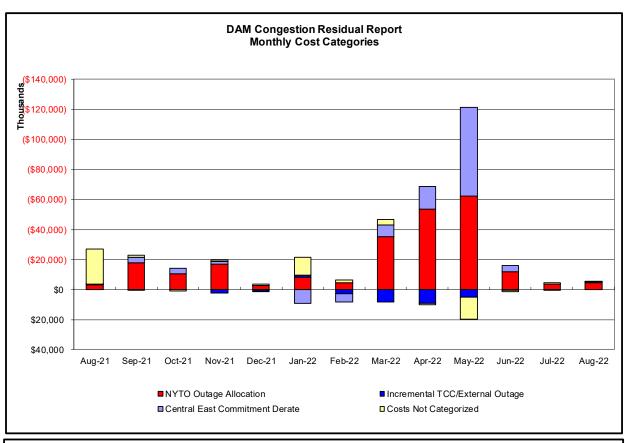


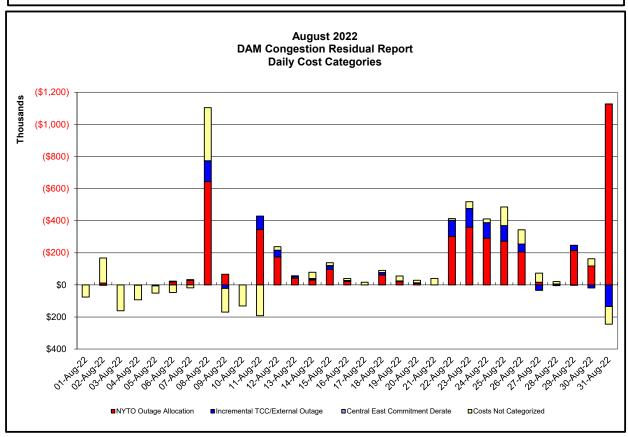


Day's in	vestigated in October: 11,12,13,15,26,27			
Event	Description	October Dates		
	Early return-to-service of Coopers-Middletp 345kV (#CCRT34)	11,12		
	Derate Central East			
	NYCA DNI Ramp Limit			
	Uprate Astoria Annex-Astoria East 138kV (#34091)	27		
	Uprate Brentwood-Pilgram 69kV (#768) I/o BUS:PILGRIM_660_765&BK3	26		
	Uprate Buffalo78-Huntley 115kV (#130) I/o SIN:PACKARD-WALCK_RD_129	11,12		
	Uprate Central East	11-13,15,26,27		
	Uprate CricketValley-PleasantValley 345kV (#F83) I/o CricketValley-PleasantValley 345kV (#F84)	15,26,27		
	Uprate Deposit-IndianHD 69kV (#675) I/o TWR:HOLTSVLLE 881& 882& 880	27		
	Uprate Dunwoodie-Shore Rd 345kV (#Y50) I/o Neptune HVDC	11-13,15		
	Uprate East 179th St-Hellgate 138kV (#15055)	11-13		
	Uprate Elwood-Pulaski 69kV (#670) I/o TWR:HOLTSVLLE 881& 882& 880	27		
	Uprate Foxhills-Greenwood 138kV (#29231) I/o SCB:GOWANUS(2):41&42231&R4	11,12		
	Uprate Foxhills-Greenwood 138kV (#29232) I/o FOXHLLS-WILLWBRK_138_29211&BK1	26		
	Uprate Goethals-Gowanus 345kV (#25)	11,13		
	Uprate Goethals-Gowanus 345kV (#26)	11,13		
	Uprate Gowanus-Greenwood 138kV (#42231)	11,13		
	Uprate Gowanus-Greenwood 138kV (#42232)	13		
	Uprate Hudson Ave-Jamaica 138kV (#701)	27		
	Uprate Mott Haven-Dunwoodie 345kV (#72)	11-13,26		
	Uprate Mott Haven-Dunwoodie 345kV (#72) I/o SCB:SPBK(RS5):M51&99941&5S1&S2	13		
	Uprate Rainey-Vernon 138kV (#36312)	11,12		
	Uprate Sherman Creek-Dunwoodie N 138kV (#99031)	13		
	Uptate Fox Hills-Greenwood 138kV (#29231) for SCB:GOWANUS(2):41&42231&R4	13		
	IESO_AC ACTIVE DNI Ramp Limit	12,27		
	NE_AC ACTIVE DNI Ramp Limit	11-13,15		
	NE_NNC1385-NY Scheduling Limit	11		
	PJM_AC ACTIVE DNI Ramp Limit	11		
	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East	11-13,15,26		
	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; West	13		

Real-Time Balancing Market Congestion Residual (Uplift Cost) Categories				
<u>Category</u> Storm Watch	<u>Cost Assignment</u> Zone J	<u>Events Types</u> Thunderstorm Alert (TSA)	Event Examples TSA Activations	
Transmission Outage Mismatch	Market-wide	Changes in DAM to RTM transfers related to transmission outage mismatch	Forced Line Outage, Unit AVR Outages Early Line Return from Outage	
Interface/Facility Rerate - NYISO Security	Market-wide	Changes in DAM to RTM transfers not related to transmission outage	Interface/Facility Rerates due to RTM voltages	
Interface Rerate - External Security	Market-wide	Changes in DAM to RTM transfers related to External Control Area Security Events	TLR Events, External Transaction Curtailments	
Unscheduled Loop Flows	Market-wide	Changes in DAM to RTM unscheduled loop flows impacting NYISO Interface transmission constraints	DAM to RTM Lake Erie Loop Flows exceeding +/ 125 MW	
M2M Settlement	Market-wide	Settlement result inclusive of coordinated redispatch and Ramapo flowgates		
Monthly Balancing Market Congestion Rep	ort Assumptions/No	<u>tes</u>		



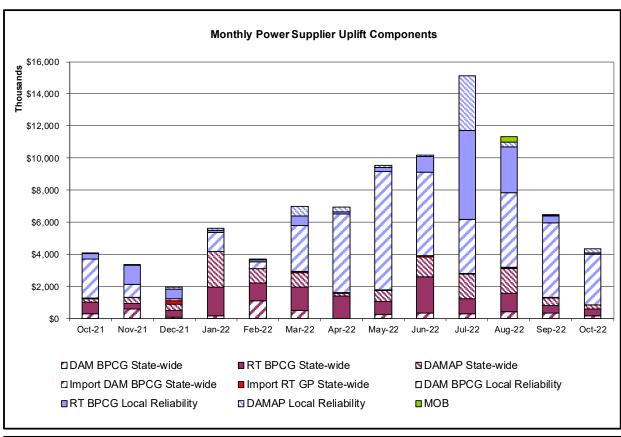


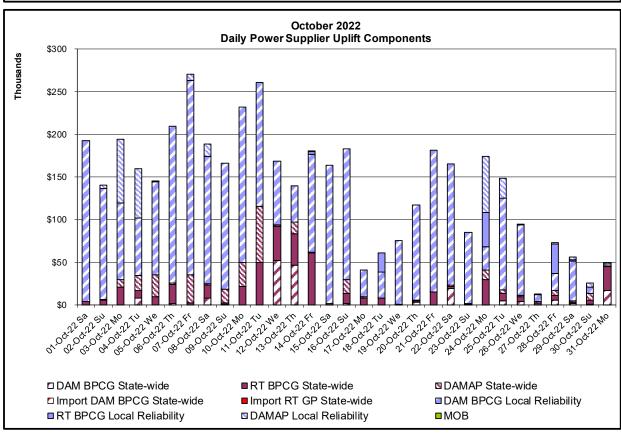




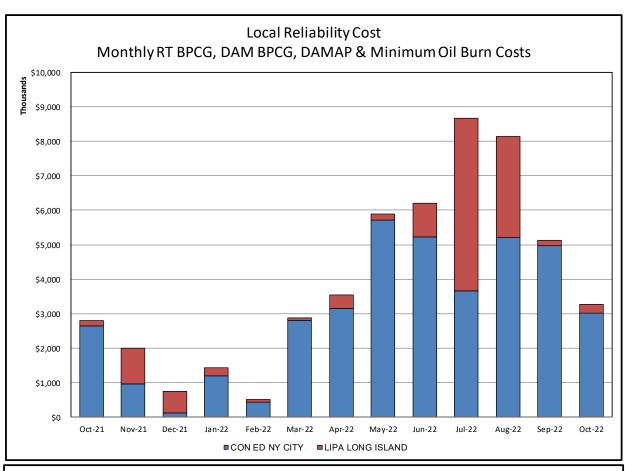
Day-Ahead Market Congestion Residual Categories				
<u>Category</u> NYTO Outage Allocation	<u>Cost Assignment</u> Responsible TO	Events Types Direct allocation to NYTO's responsible for transmission equipment status change.	Event Examples DAM scheduled outage for equipment modeled inservice for the TCC Auction.	
Incremental TCC/External Outage Impacts	All TO by Monthly Allocation Factor	Allocation associated with transmission equipment status change caused by change in status of external equipment or change in status of equipment associated with Incremental TCC.	Tie line required out-of- service by TO of neighboring control area.	
Central East Commitment Derate	All TO by Monthly Allocation Factor	Reductions in the DAM Central East_VC limit as compared to the TCC Auction limit, which are not associated with transmission line outages.		

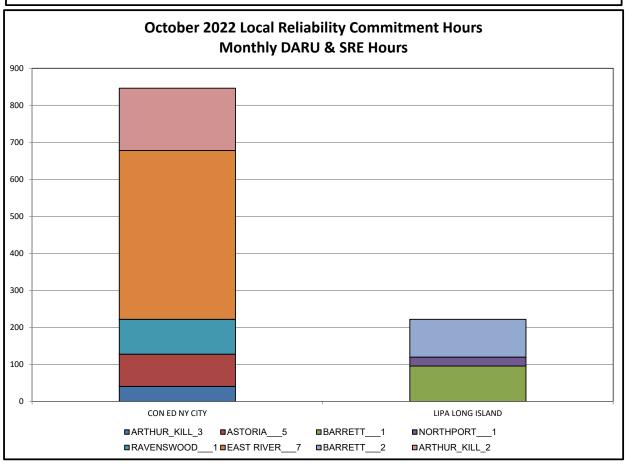




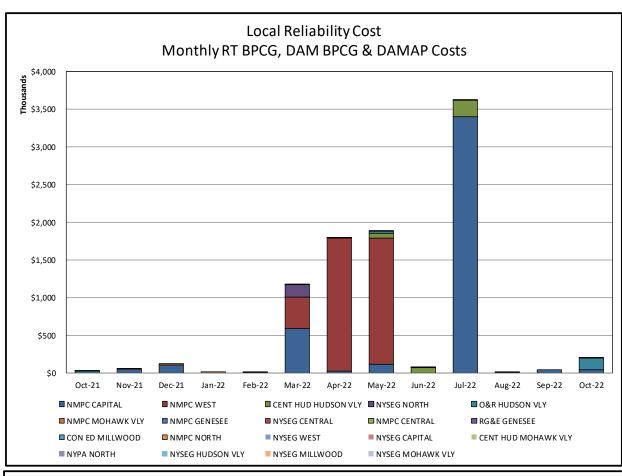


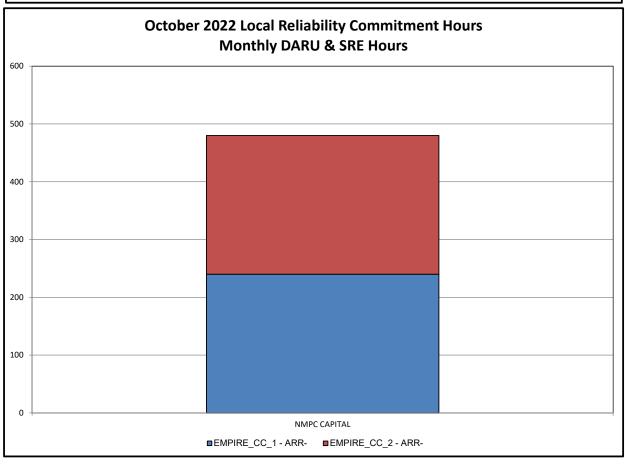




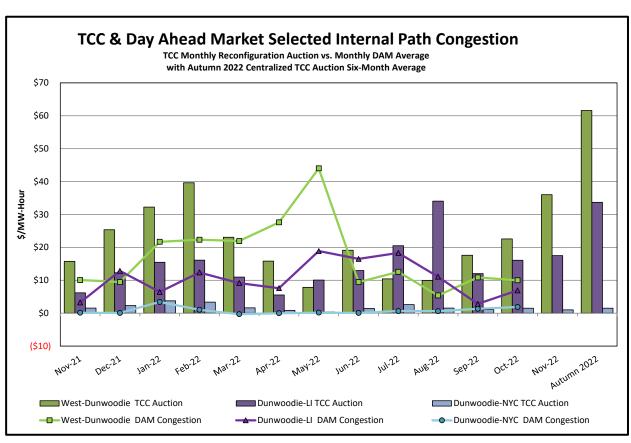


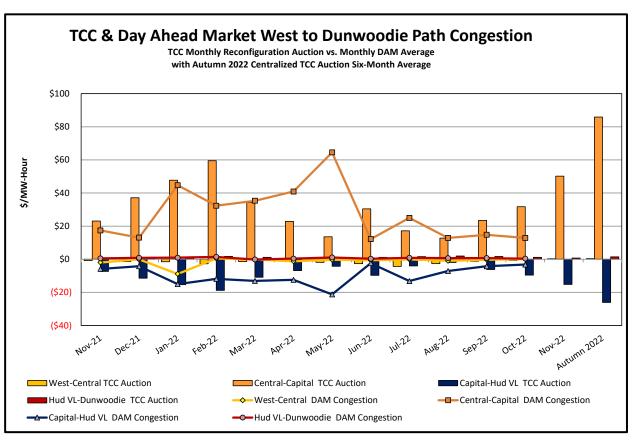




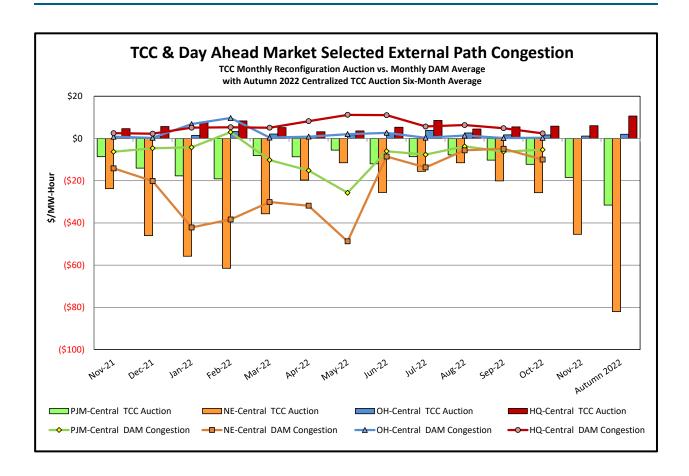




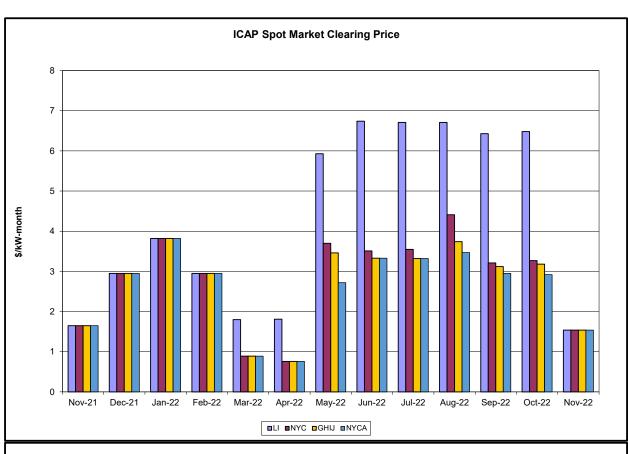


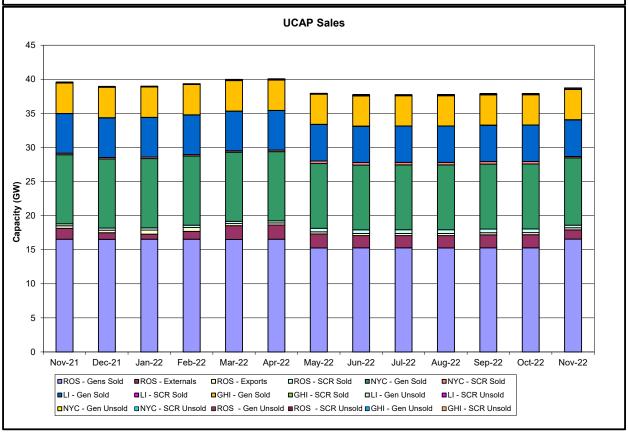








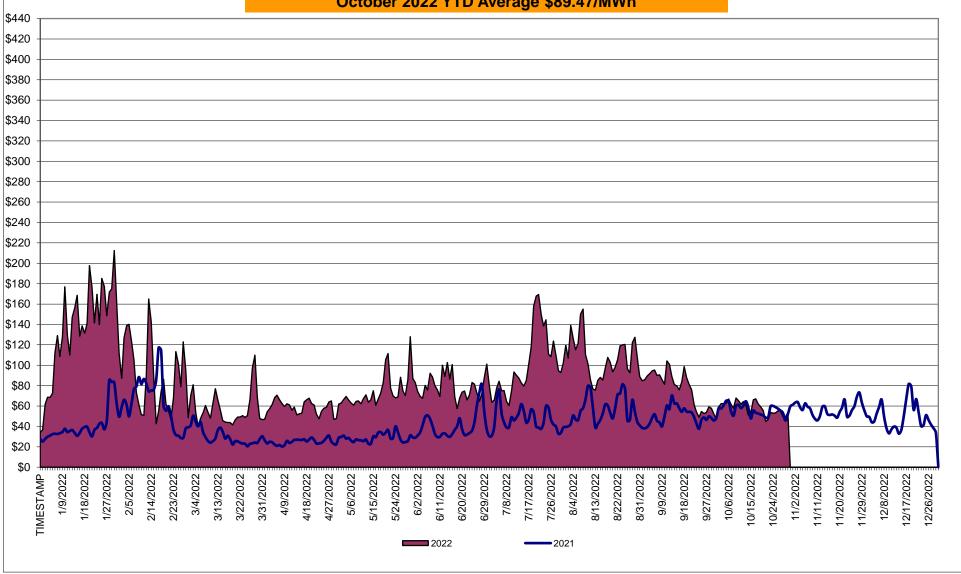




Market Performance Highlights October 2022

- LBMP for October is \$53.11/MWh; lower than \$78.91/MWh in September 2022 and higher than \$52.97/MWh in October 2021.
 - Day Ahead Load Weighted LBMPs and Real Time Load Weighted LBMPs are lower compared to September.
- October 2022 average year-to-date monthly cost of \$89.47/MWh is a 93% increase from \$46.35/MWh in October 2021.
- Average daily sendout is 359 GWh/day in October; lower than 411 GWh/day in September 2022 and 373 GWh/day in October 2021.
- Natural gas prices are lower and distillate prices are higher compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$4.68/MMBtu, down from \$6.60/MMBtu in September.
 - Natural gas prices (Transco Z6 NY) are up 3.8% year-over-year.
 - Jet Kerosene Gulf Coast was \$27.55/MMBtu, up from \$24.01/MMBtu in September.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$30.66/MMBtu, up from \$24.66/MMBtu in September.
 - Distillate prices are up 66.8% year-over-year.
- Uplift per MWh is higher compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.45)/MWh; higher than (\$0.78)/MWh in September.
 - Local Reliability Share is \$0.27/MWh, lower than \$0.39/MWh in September.
 - Statewide Share is (\$0.72)/MWh, higher than (\$1.18)/MWh in September.
 - TSA \$ per NYC MWh is \$0.00/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than September.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)* 2021 Annual Average \$47.59/MWh October 2021 YTD Average \$46.35/MWh October 2022 YTD Average \$89.47/MWh

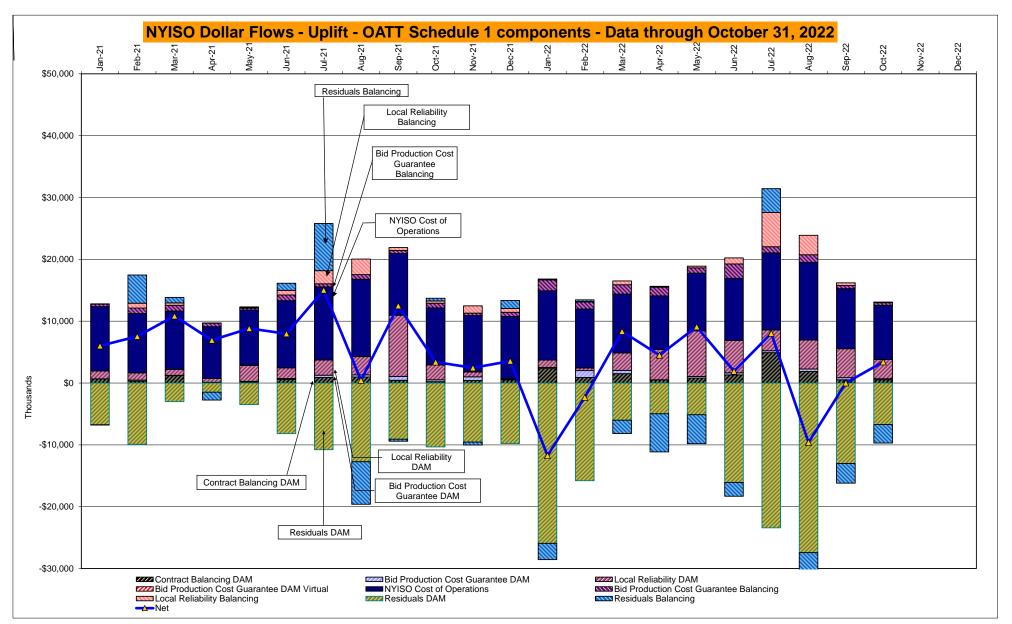


^{*} Excludes ICAP payments.

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

2022	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
LBMP	134.79	94.06	56.78	56.46	70.60	76.72	99.47	108.85	78.91	53.11		
NTAC	1.43	0.95	1.48	1.17	2.46	2.07	3.65	1.69	1.44	3.21		
Reserve	1.26	1.21	0.83	0.81	0.74	0.66	0.87	0.65	0.86	1.02		
Regulation	0.27	0.19	0.17	0.12	0.13	0.15	0.12	0.13	0.18	0.18		
NYISO Cost of Operations	0.73	0.72	0.74	0.74	0.74	0.75	0.76	0.76	0.76	0.73		
FERC Fee Recovery	0.07	0.08	0.09	0.10	0.09	80.0	0.06	0.06	0.09	0.10		
Uplift	(1.50)	(1.73)	(0.09)	(0.36)	(0.05)	(0.61)	(1.58)	(1.91)	(0.78)	(0.45)		
Uplift: Local Reliability Share	0.09	0.04	0.27	0.43	0.60	0.46	0.54	0.47	0.39	0.27		
Uplift: Statewide Share	(1.59)	(1.77)	(0.36)	(0.79)	(0.65)	(1.07)	(2.12)	(2.38)	(1.18)	(0.72)		
Voltage Support and Black Start	0.42	0.41	0.43	0.43	0.43	0.43	0.43	0.43	0.44	0.42		
Avg Monthly Cost	137.41	95.82	60.34	59.38	75.07	80.17	103.73	110.61	81.81	58.26		
A . VITE 0												
Avg YTD Cost	137.49	118.36	100.65	91.92	88.82	87.37	90.31	93.42	92.27	89.47		
TSA \$ per NYC MWh	0.00	2.98	0.00	0.00	0.11	0.00	3.98	1.70	0.06	0.00		
2021	Januarv	February	March	April	Mav	June	Julv	August	September	October	November	December
2021	January 37.83	February 63,70	March 28.59	<u>April</u> 22.79	<u>May</u> 25.72	<u>June</u> 39.37	<u>July</u> 45.16	August 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	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	47.68 1.23	52.97 1.67	53.92 2.03	47.99 1.40
LBMP NTAC	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 0.00	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) 0.44	47.99 1.40 0.57 0.11 0.73 0.08 (0.48) 0.05 (0.53) 0.42

^{*} Excludes ICAP payments. Market Mitigation and Analysis Prepared: 11/9/2022 2:20 PM



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

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

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

NYISO Markets Transactions

<u>2022</u>	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
Day Ahead Market MWh	14,327,101	12,477,485	12,137,757	10,992,578	12,176,102	12,945,740	15,905,937	15,770,210	12,467,212	11,527,745		
DAM LSE Internal LBMP Energy Sales	57%	56%	59%	56%	55%	60%	64%	63%	62%	58%		
DAM External TC LBMP Energy Sales	7%	8%	3%	5%	6%	3%	3%	3%	2%	3%		
DAM Bilateral - Internal Bilaterals	28%	28%	29%	31%	31%	29%	26%	26%	27%	30%		
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	4%	4%	4%	5%	4%	4%	4%	5%	6%	5%		
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	2%	1%	1%	2%	2%		
DAM Bilateral - Wheel Through Bilaterals	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%		
Balancing Energy Market MWh	942,823	742,449	758,386	772,666	378,503	464,231	567,602	785,464	361,883	379,932		
Balancing Energy LSE Internal LBMP Energy Sales	88%	83%	76%	60%	65%	66%	72%	86%	66%	45%		
Balancing Energy External TC LBMP Energy Sales	16%	19%	24%	33%	32%	36%	23%	14%	34%	55%		
Balancing Energy Bilateral - Internal Bilaterals	1%	2%	2%	0%	5%	2%	1%	0%	1%	0%		
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	2%	2%	2%	0%	0%	0%		
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	4%	9%	8%	7%	9%	8%	6%	3%	5%	7%		
Balancing Energy Bilateral - Wheel Through Bilaterals	-9%	-13%	-10%	-1%	-12%	-14%	-4%	-3%	-5%	-7%		
Transactions Summary												
LBMP	67%	66%	65%	62%	63%	64%	68%	68%	65%	62%		
Internal Bilaterals	26%	27%	27%	29%	30%	28%	25%	25%	27%	29%		
Import Bilaterals	3%	4%	4%	4%	4%	4%	3%	4%	6%	5%		
Export Bilaterals	2%	2%	2%	2%	2%	2%	2%	1%	2%	2%		
Wheels Through	1%	1%	2%	2%	2%	2%	1%	1%	2%	1%		
Market Share of Total Load	170	170	270	270	270	270	170	170	270	170		
Day Ahead Market	93.8%	94.4%	94.1%	93.4%	97.0%	96.5%	96.6%	95.3%	97.2%	96.8%		
Balancing Energy +	6.2%	5.6%	5.9%	6.6%	3.0%	3.5%	3.4%	4.7%	2.8%	3.2%		
Total MWH		13,219,933	12,896,143	11,765,244					12,829,095			
Average Daily Energy Sendout/Month GWh	451	429	390	359	372	422	509	514	411	359		
Average Daily Energy Sendod/World SWIT	401	423	330	333	312	722	309	314	711	339		
<u>2021</u>	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	July	August	September	October	November	December
2021 Day Ahead Market MWh	<u>January</u> 14,108,848	February 13,325,329	<u>March</u> 12,843,278	<u>April</u> 11,204,262		<u>June</u> 14,120,662	<u>July</u> 15,843,724	<u>August</u> 16,032,238	<u>September</u> 12,759,550		November 11,496,431	<u>December</u> 13,068,538
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales	14,108,848	13,325,329	12,843,278	11,204,262	11,854,214	14,120,662	15,843,724	16,032,238	12,759,550	11,852,213	11,496,431	13,068,538
Day Ahead Market MWh	14, 108,848 60%	13,325,329 59%	12,843,278 56%	11,204,262 55%	11,854,214 56%	14,120,662 61%	15,843, 724 65%	16,032,238 64%	12,759,550 61%	11,852,213 59%	11,496,431 60%	13,068,538 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%	12,843,278 56% 3%	11,204,262 55% 2%	11,854,214 56% 2%	14,120,662 61% 3%	15,843,724 65% 2%	16,032,238 64% 4%	12,759,550 61% 3%	11,852,213 59% 4%	11,496,431 60% 3%	13,068,538 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%	12,843,278 56% 3% 32%	11,204,262 55% 2% 35%	11,854,214 56% 2% 35%	14,120,662 61% 3% 29%	15,843,724 65% 2% 27%	16,032,238 64% 4% 26%	12,759,550 61% 3% 29%	11,852,213 59% 4% 30%	11,496,431 60% 3% 32%	13,068,538 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%	12,843,278 56% 3% 32% 4%	11,204,262 55% 2% 35% 5%	11,854,214 56% 2% 35% 4%	14,120,662 61% 3% 29% 4%	15,843,724 65% 2% 27% 3%	16,032,238 64% 4% 26% 3%	12,759,550 61% 3% 29% 4%	11,852,213 59% 4% 30% 4%	11,496,431 60% 3% 32% 3%	13,068,538 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 DAM Bilateral - Wheel Through Bilaterals	14,108,848 60% 5% 31% 1% 2% 2%	13,325,329 59% 4% 30% 4% 2% 2%	12,843,278 56% 3% 32% 4% 2% 3%	11,204,262 55% 2% 35% 5% 2% 2%	11,854,214 56% 2% 35% 4% 2% 2%	14,120,662 61% 3% 29% 4% 1% 2%	15,843,724 65% 2% 27% 3% 1% 2%	16,032,238 64% 4% 26% 3% 1% 2%	12,759,550 61% 3% 29% 4% 2% 2%	11,852,213 59% 4% 30% 4% 2% 2%	11,496,431 60% 3% 32% 3% 2% 1%	13,068,538 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%	13,325,329 59% 4% 30% 4% 2%	12,843,278 56% 3% 32% 4% 2%	11,204,262 55% 2% 35% 5% 2%	11,854,214 56% 2% 35% 4% 2%	14,120,662 61% 3% 29% 4% 1%	15,843,724 65% 2% 27% 3% 1%	16,032,238 64% 4% 26% 3% 1%	12,759,550 61% 3% 29% 4% 2%	11,852,213 59% 4% 30% 4% 2%	11,496,431 60% 3% 32% 3% 2%	13,068,538 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 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	12,843,278 56% 3% 32% 4% 2% 3% -70,279 -367%	11,204,262 55% 2% 35% 5% 2% 2% 30,603	11,854,214 56% 2% 35% 4% 2% 2% -36,350 -398%	14,120,662 61% 3% 29% 4% 1% 2%	15,843,724 65% 2% 27% 3% 1% 2%	16,032,238 64% 4% 26% 3% 1% 2% 454,982	12,759,550 61% 3% 29% 4% 2% 2% 543,392	11,852,213 59% 4% 30% 4% 2% 2% 511,553	11,496,431 60% 3% 32% 32% 2% 1% 639,571	13,068,538 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%	12,843,278 56% 3% 32% 4% 2% 3% -70,279 -367% 365%	11,204,262 55% 2% 35% 5% 2% 2% 2% 30,603 -456% 578%	11,854,214 56% 2% 35% 4% 2% 2% -36,350	14,120,662 61% 3% 29% 4% 1% 2% 247,874 53% 60%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63%	11,496,431 60% 3% 32% 3% 2% 1% 639,571 74%	13,068,538 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 Bilateral - Internal Bilaterals	14, 108,848 60% 5% 31% 1% 2% 2% 29,179 -215%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151%	12,843,278 56% 3% 32% 4% 2% 3% -70,279 -367%	11,204,262 55% 2% 35% 5% 2% 2% 2% 30,603 -456%	11,854,214 56% 2% 35% 4% 2% 2% -36,350 -398% 440%	14,120,662 61% 3% 29% 4% 1% 2% 247,874 53%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63% 39%	11,496,431 60% 3% 32% 3% 2% 1% 639,571 74% 26%	13,068,538 57% 6% 30% 3% 2% 2% 675,223 87%
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 - 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%	12,843,278 56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0%	11,204,262 55% 2% 35% 5% 2% 2% 2% 30,603 -456% 578% 34% 0%	11,854,214 56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0%	14,120,662 61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1%	11,496,431 60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0%	13,068,538 57% 6% 30% 3% 2% 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 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%	12,843,278 56% 3% 32% 4% 2% -70,279 -367% 365% 27% 0% 32%	11,204,262 55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34%	11,854,214 56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0% 21%	14,120,662 61% 3% 29% 4% 1% 247,874 53% 60% -1% 0% 5%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 34% 0% 2%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 0% 4%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 5%	11,496,431 60% 3% 32% 3% 2% 1% 639,571 74% 26% 2%	13,068,538 57% 6% 30% 3% 2% 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 - 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	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%	12,843,278 56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0%	11,204,262 55% 2% 35% 5% 2% 2% 2% 30,603 -456% 578% 34% 0%	11,854,214 56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0%	14,120,662 61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1%	11,496,431 60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0% 7%	13,068,538 57% 6% 30% 3% 2% 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 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% 2% -308,157 -151% 59% 4% 0% 5% -17%	12,843,278 56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32% -158%	11,204,262 55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34% -90%	11,854,214 56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0% 21% -163%	14,120,662 61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3% -11%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% 2% -21%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% 4% -9%	11,852,213 59% 4% 30% 4% 2% 511,553 63% 39% 2% 1% 5% -10%	11,496,431 60% 3% 32% 2% 1% 639,571 74% 26% 2% 0% 7% -8%	13,068,538 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 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	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%	12,843,278 56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32% -158%	11,204,262 55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34% -90%	11,854,214 56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0% 21% -163%	14,120,662 61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3% -11%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% -21%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 0% -9%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 5% -10%	11,496,431 60% 3% 32% 2% 1% 639,571 74% 26% 0% 7% -8%	13,068,538 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	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% -158%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31%	12,843,278 56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32% -158% 59% 33%	11,204,262 55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34% -90% 57% 35%	11,854,214 56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0% 21% -163%	14,120,662 61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3% -11%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 0% -21% 69% 25%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% 4% -9%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 5% -10%	11,496,431 60% 3% 32% 2% 1% 639,571 74% 26% 0% 7% -8%	13,068,538 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%	12,843,278 56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% -158% 59% 33% 4%	11,204,262 55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34% -90% 57% 35% 5%	11,854,214 56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0% -163% 58% 35% 4%	14,120,662 61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 5% -17%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3% -11%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% -21% 69% 25% 3%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% -9%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 5% -10% 64% 28% 4%	11,496,431 60% 3% 32% 2% 1% 639,571 74% 26% 2% 0% -8% 65% 30% 3%	13,068,538 57% 6% 30% 3% 2% 2% 675,223 87% 18% 2% 0% 8% -15% 65% 28% 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 DAM Bilateral - Wheel Through Bilaterals BAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals	14, 108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 50% -158%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31% 4% 2%	12,843,278 56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32% -158% 59% 33% 4% 2%	11,204,262 55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34% -90% 57% 35% 5% 2%	11,854,214 56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0% 21% -163% 58% 35% 4% 2%	14,120,662 61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% -311% 66% 28% 3% 1%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% -21% 69% 25% 3% 1%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% -9%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 5% -10% 64% 28% 4% 2%	11,496,431 60% 3% 32% 2% 1% 639,571 74% 26% 2% 0% -8% 85% 30% 3% 2%	13,068,538 57% 6% 30% 3% 2% 2% 675,223 87% 18% 2% 0% 8% -15% 65% 28% 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 BAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals	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%	12,843,278 56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% -158% 59% 33% 4%	11,204,262 55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% 0% 34% -90% 57% 35% 5%	11,854,214 56% 2% 35% 4% 2% 2% -36,350 -398% 440% 0% 0% -163% 58% 35% 4%	14,120,662 61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 5% -17%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3% -11%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% -21% 69% 25% 3%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% -9%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 5% -10% 64% 28% 4%	11,496,431 60% 3% 32% 2% 1% 639,571 74% 26% 2% 0% -8% 65% 30% 3%	13,068,538 57% 6% 30% 3% 2% 2% 675,223 87% 18% 2% 0% 8% -15% 65% 28% 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 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 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% 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%	12,843,278 56% 3% 32% 4% 2% 3% -70,279 -367% 365% 27% 0% 32% -158% 59% 33% 4% 2% 2%	11,204,262 55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% -90% 57% 35% 5% 2% 2%	11,854,214 56% 2% 35% 4% 2% -36,350 -398% 440% 0% 21% -163% 58% 35% 4% 2% 2%	14,120,662 61% 3% 29% 4% 1% 2% 247,874 53% 60% -1% 0% 5% -17% 65% 29% 3% 2%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% -311% 66% 28% 3% 1% 1%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% -21% 69% 25% 3% 1%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 1% 0% -9% 66% 27% 4% 2% 2%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 56 -10% 64% 28% 4% 2% 2%	11,496,431 60% 3% 32% 2% 1% 639,571 74% 26% 2% 0% -8% 30% 30% 30% 32% 0%	13,068,538 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 - 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 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% 2%	13,325,329 59% 4% 30% 4% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31% 4% 2% 2% 2%	12,843,278 56% 3% 32% 4% 2% -70,279 -367% 365% 27% 0% 32% -158% 59% 33% 4% 2% 2%	11,204,262 55% 2% 35% 5% 2% 30,603 -456% 578% 34% -90% 57% 35% 5% 2% 2% 99.7%	11,854,214 56% 2% 35% 4% 2% -36,350 -398% 440% 0% 21% -163% 58% 35% 4% 2% 2% 100.3%	14,120,662 61% 3% 29% 4% 1% 247,874 53% 60% -1% 0% 5% -17% 65% 29% 3% 2% 1%	15,843,724 65% 2% 27% 3% 1% -367,232 -135% 41% 3% 0% 3% -111% 66% 28% 3% 1% 1%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 3% 0% -21% 69% 25% 3% 1% 1%	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 4% -9% 66% 27% 4% 2% 2% 2%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 5% -10% 64% 28% 4% 2% 2% 95.9%	11,496,431 60% 3% 32% 3% 2% 639,571 74% 26% 2% 0% 7% -8% 65% 30% 3% 2% 0%	13,068,538 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 - 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 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% 2% 2%	13,325,329 59% 4% 30% 4% 2% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31% 4% 2% 2% 2%	12,843,278 56% 3% 32% 4% 2% -70,279 -367% 365% 27% 0% 32% -158% 59% 33% 4% 2% 2%	11,204,262 55% 2% 35% 5% 2% 2% 30,603 -456% 578% 34% -90% 57% 35% 5% 2% 2% 99.7% 0.3%	11,854,214 56% 2% 35% 4% 2% -36,350 -398% 440% 0% 21% -163% 58% 35% 4% 2% 2%	14,120,662 61% 3% 29% 4% 1% 247,874 53% 60% -1% 0% 5% -17% 65% 29% 3% 2% 1%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3% -11% 66% 28% 3% 1% 1%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 36 0% 22% -21% 69% 25% 3% 1% 1% 25% 3% 1% 25% 25% 34% 25% 25% 25% 25% 25% 25% 25% 25	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 4% -9% 66% 27% 4% 2% 2% 95.9% 4.1%	11,852,213 59% 4% 30% 4% 2% 511,553 63% 39% 2% 11% 5% -10% 64% 28% 4% 2% 2% 4% 2% 44% 2% 44% 2% 44% 44	11,496,431 60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0% 7% -8% 65% 30% 3% 2% 0%	13,068,538 57% 6% 30% 3% 2% 675,223 87% 18% 2% 0% 8% -15% 65% 28% 3% 2% 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 - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market	14,108,848 60% 5% 31% 1% 2% 29,179 -215% 374% 49% 0% 50% -158% 65% 31% 2% 2%	13,325,329 59% 4% 30% 4% 2% -308,157 -151% 59% 4% 0% 5% -17% 62% 31% 4% 2% 2% 2%	12,843,278 56% 3% 32% 4% 2% -70,279 -367% 365% 27% 0% 32% -158% 59% 33% 4% 2% 2%	11,204,262 55% 2% 35% 5% 2% 30,603 -456% 578% 34% -90% 57% 35% 5% 2% 2% 99.7%	11,854,214 56% 2% 35% 4% 2% -36,350 -398% 440% 0% 21% -163% 58% 35% 4% 2% 2%	14,120,662 61% 3% 29% 4% 1% 247,874 53% 60% -1% 0% 5% -17% 65% 29% 3% 2% 1%	15,843,724 65% 2% 27% 3% 1% 2% -367,232 -135% 41% 3% 0% 3% -11% 66% 28% 3% 1% 1%	16,032,238 64% 4% 26% 3% 1% 2% 454,982 82% 34% 36 0% 22% -21% 69% 25% 3% 1% 1% 25% 3% 1% 25% 25% 34% 25% 25% 25% 25% 25% 25% 25% 25	12,759,550 61% 3% 29% 4% 2% 2% 543,392 65% 40% 4% -9% 66% 27% 4% 2% 2% 2%	11,852,213 59% 4% 30% 4% 2% 2% 511,553 63% 39% 2% 1% 5% -10% 64% 28% 4% 2% 2% 95.9%	11,496,431 60% 3% 32% 3% 2% 1% 639,571 74% 26% 2% 0% 7% -8% 65% 30% 3% 2% 0%	13,068,538 57% 6% 30% 3% 2% 675,223 87% 18% 2% 0% 8% -15% 65% 28% 3% 2% 1%

+ 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. Market Mitigation and Analysis Prepared: 11/9/2022 2:21 PM

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

NYISO Markets 2022 Energy Statistics

<u>June</u>

<u>July</u>

August September

October November December

May

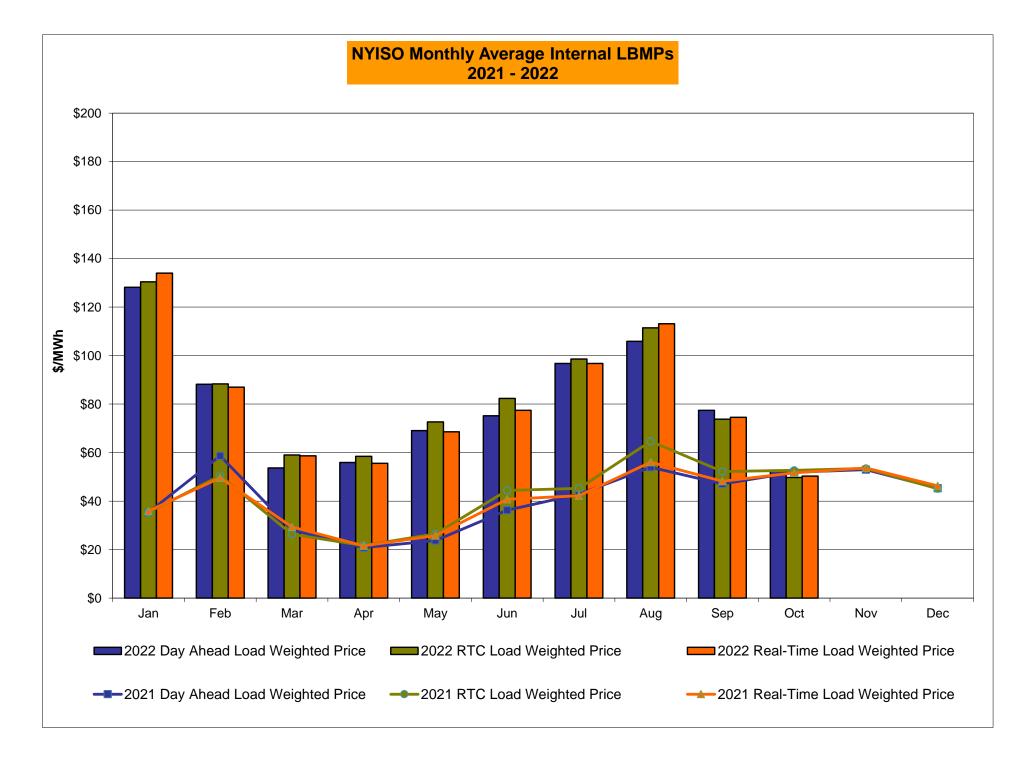
DAY ALIEAD LOMD	<u>oundary</u>	<u>r obradry</u>	iviaron	<u> </u>	iviay	<u>ouno</u>	<u>oury</u>	, .u.guo.	Coptombol	00.000.	11010111001	Docomboi
DAY AHEAD LBMP												
Price *	\$124.39	\$85.98	\$52.41	\$55.23	\$66.11	\$72.43	\$90.42	\$100.71	\$74.23	\$51.77		
Standard Deviation	\$51.94	\$39.56	\$18.64	\$11.05	\$21.60	\$19.84	\$40.00	\$33.52	\$22.13	\$11.85		
Load Weighted Price **	\$128.16	\$88.17	\$53.69	\$55.96	\$69.05	\$75.15	\$96.74	\$105.93	\$77.41	\$52.79		
ŭ				•	•	•				•		
RTC LBMP												
Price *	\$127.16	\$85.48	\$57.58	\$57.33	\$68.27	\$78.66	\$92.25	\$104.69	\$70.59	\$48.87		
Standard Deviation	\$77.62	\$55.20	\$38.62	\$21.09	\$42.87	\$49.85	\$49.28	\$51.96	\$28.06	\$13.16		
Load Weighted Price **	\$130.45	\$88.33	\$59.03	\$58.49	\$72.67	\$82.33	\$98.61	\$111.42	\$73.81	\$49.76		
DEAL TIME LOND												
REAL TIME LBMP			^	A	^				^-			
Price *	\$130.43	\$83.85	\$57.00	\$54.45	\$65.07	\$74.01	\$90.23	\$105.61	\$71.11	\$49.26		
Standard Deviation	\$93.35	\$57.99	\$44.52	\$20.46	\$33.01	\$41.27	\$54.20	\$69.83	\$30.72	\$17.89		
Load Weighted Price **	\$133.98	\$86.99	\$58.64	\$55.57	\$68.60	\$77.40	\$96.79	\$113.16	\$74.57	\$50.30		
-												
Average Daily Energy Sendout/Month GWh	451	429	390	359	372	422	509	514	411	359		
3 7 37												
				NIVIOO	NA 1 4 -	0004 E	01-1					
				<u>NY150</u>	Markets	<u>2021 Ene</u>	ergy Stat	<u>ISTICS</u>				
	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>		<u>September</u>	October	November	<u>December</u>
DAY AHEAD LBMP	<u>January</u>	<u>February</u>	<u>March</u>						September	<u>October</u>	November	<u>December</u>
DAY AHEAD LBMP Price *	<u>January</u> \$34.37	February \$57.30	<u>March</u> \$27.47						September \$45.48	October \$50.66	November \$51.90	December \$44.24
· · · · · · · · · · · · · · · · · · ·	<u>-</u>			<u>April</u>	<u>May</u> \$22.95	<u>June</u>	<u>July</u>	August				
Price * Standard Deviation	\$34.37 \$14.58	\$57.30 \$24.48	\$27.47 \$8.23	<u>April</u> \$20.46 \$4.58	<u>May</u> \$22.95 \$6.28	June \$33.36 \$15.88	<u>July</u> \$40.38 \$15.56	August \$50.30 \$22.37	\$45.48 \$12.42	\$50.66 \$11.04	\$51.90 \$11.83	\$44.24 \$13.72
Price *	\$34.37	\$57.30	\$27.47	<u>April</u> \$20.46	<u>May</u> \$22.95	<u>June</u> \$33.36	<u>July</u> \$40.38	<u>August</u> \$50.30	\$45.48	\$50.66	\$51.90	\$44.24
Price * Standard Deviation Load Weighted Price **	\$34.37 \$14.58	\$57.30 \$24.48	\$27.47 \$8.23	<u>April</u> \$20.46 \$4.58	<u>May</u> \$22.95 \$6.28	June \$33.36 \$15.88	<u>July</u> \$40.38 \$15.56	August \$50.30 \$22.37	\$45.48 \$12.42	\$50.66 \$11.04	\$51.90 \$11.83	\$44.24 \$13.72
Price * Standard Deviation Load Weighted Price ** RTC LBMP	\$34.37 \$14.58 \$35.31	\$57.30 \$24.48 \$58.67	\$27.47 \$8.23 \$28.12	April \$20.46 \$4.58 \$20.81	May \$22.95 \$6.28 \$23.75	June \$33.36 \$15.88 \$36.28	July \$40.38 \$15.56 \$42.84	August \$50.30 \$22.37 \$53.93	\$45.48 \$12.42 \$47.08	\$50.66 \$11.04 \$51.92	\$51.90 \$11.83 \$52.98	\$44.24 \$13.72 \$45.33
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price *	\$34.37 \$14.58 \$35.31 \$34.32	\$57.30 \$24.48 \$58.67 \$49.25	\$27.47 \$8.23 \$28.12 \$25.59	April \$20.46 \$4.58 \$20.81 \$21.30	May \$22.95 \$6.28 \$23.75	June \$33.36 \$15.88 \$36.28 \$39.69	July \$40.38 \$15.56 \$42.84	\$50.30 \$22.37 \$53.93 \$58.87	\$45.48 \$12.42 \$47.08	\$50.66 \$11.04 \$51.92 \$51.41	\$51.90 \$11.83 \$52.98	\$44.24 \$13.72 \$45.33
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price * Standard Deviation	\$34.37 \$14.58 \$35.31 \$34.32 \$20.93	\$57.30 \$24.48 \$58.67 \$49.25 \$23.34	\$27.47 \$8.23 \$28.12 \$25.59 \$12.67	\$20.46 \$4.58 \$20.81 \$21.30 \$7.91	May \$22.95 \$6.28 \$23.75 \$25.36 \$11.17	June \$33.36 \$15.88 \$36.28 \$39.69 \$34.08	\$40.38 \$15.56 \$42.84 \$42.25 \$47.97	\$50.30 \$22.37 \$53.93 \$58.87 \$47.79	\$45.48 \$12.42 \$47.08 \$50.07 \$22.24	\$50.66 \$11.04 \$51.92 \$51.41 \$13.96	\$51.90 \$11.83 \$52.98 \$52.37 \$16.97	\$44.24 \$13.72 \$45.33 \$44.16 \$17.49
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price *	\$34.37 \$14.58 \$35.31 \$34.32	\$57.30 \$24.48 \$58.67 \$49.25	\$27.47 \$8.23 \$28.12 \$25.59	April \$20.46 \$4.58 \$20.81 \$21.30	May \$22.95 \$6.28 \$23.75	June \$33.36 \$15.88 \$36.28 \$39.69	July \$40.38 \$15.56 \$42.84	\$50.30 \$22.37 \$53.93 \$58.87	\$45.48 \$12.42 \$47.08	\$50.66 \$11.04 \$51.92 \$51.41	\$51.90 \$11.83 \$52.98	\$44.24 \$13.72 \$45.33
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price * Standard Deviation Load Weighted Price **	\$34.37 \$14.58 \$35.31 \$34.32 \$20.93	\$57.30 \$24.48 \$58.67 \$49.25 \$23.34	\$27.47 \$8.23 \$28.12 \$25.59 \$12.67	\$20.46 \$4.58 \$20.81 \$21.30 \$7.91	May \$22.95 \$6.28 \$23.75 \$25.36 \$11.17	June \$33.36 \$15.88 \$36.28 \$39.69 \$34.08	\$40.38 \$15.56 \$42.84 \$42.25 \$47.97	\$50.30 \$22.37 \$53.93 \$58.87 \$47.79	\$45.48 \$12.42 \$47.08 \$50.07 \$22.24	\$50.66 \$11.04 \$51.92 \$51.41 \$13.96	\$51.90 \$11.83 \$52.98 \$52.37 \$16.97	\$44.24 \$13.72 \$45.33 \$44.16 \$17.49
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price * Standard Deviation Load Weighted Price ** REAL TIME LBMP	\$34.37 \$14.58 \$35.31 \$34.32 \$20.93 \$35.40	\$57.30 \$24.48 \$58.67 \$49.25 \$23.34 \$50.48	\$27.47 \$8.23 \$28.12 \$25.59 \$12.67 \$26.37	\$20.46 \$4.58 \$20.81 \$21.30 \$7.91 \$21.67	May \$22.95 \$6.28 \$23.75 \$25.36 \$11.17 \$26.50	\$33.36 \$15.88 \$36.28 \$39.69 \$34.08 \$44.41	July \$40.38 \$15.56 \$42.84 \$42.25 \$47.97 \$45.27	\$50.30 \$22.37 \$53.93 \$58.87 \$47.79 \$64.66	\$45.48 \$12.42 \$47.08 \$50.07 \$22.24 \$52.21	\$50.66 \$11.04 \$51.92 \$51.41 \$13.96 \$52.71	\$51.90 \$11.83 \$52.98 \$52.37 \$16.97 \$53.44	\$44.24 \$13.72 \$45.33 \$44.16 \$17.49 \$45.12
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price * Standard Deviation Load Weighted Price ** REAL TIME LBMP Price *	\$34.37 \$14.58 \$35.31 \$34.32 \$20.93 \$35.40	\$57.30 \$24.48 \$58.67 \$49.25 \$23.34 \$50.48	\$27.47 \$8.23 \$28.12 \$25.59 \$12.67 \$26.37	\$20.46 \$4.58 \$20.81 \$21.30 \$7.91 \$21.67	May \$22.95 \$6.28 \$23.75 \$25.36 \$11.17 \$26.50	\$33.36 \$15.88 \$36.28 \$39.69 \$34.08 \$44.41	\$40.38 \$15.56 \$42.84 \$42.25 \$47.97 \$45.27	\$50.30 \$22.37 \$53.93 \$58.87 \$47.79 \$64.66	\$45.48 \$12.42 \$47.08 \$50.07 \$22.24 \$52.21	\$50.66 \$11.04 \$51.92 \$51.41 \$13.96 \$52.71	\$51.90 \$11.83 \$52.98 \$52.37 \$16.97 \$53.44	\$44.24 \$13.72 \$45.33 \$44.16 \$17.49 \$45.12
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price * Standard Deviation Load Weighted Price ** REAL TIME LBMP Price * Standard Deviation	\$34.37 \$14.58 \$35.31 \$34.32 \$20.93 \$35.40 \$34.59 \$29.47	\$57.30 \$24.48 \$58.67 \$49.25 \$23.34 \$50.48 \$48.22 \$26.46	\$27.47 \$8.23 \$28.12 \$25.59 \$12.67 \$26.37 \$28.06 \$26.13	\$20.46 \$4.58 \$20.81 \$21.30 \$7.91 \$21.67	\$22.95 \$6.28 \$23.75 \$25.36 \$11.17 \$26.50 \$24.62 \$10.91	\$33.36 \$15.88 \$36.28 \$39.69 \$34.08 \$44.41 \$36.58 \$25.43	\$40.38 \$15.56 \$42.84 \$42.25 \$47.97 \$45.27 \$39.61 \$26.73	\$50.30 \$22.37 \$53.93 \$58.87 \$47.79 \$64.66 \$51.46 \$37.53	\$45.48 \$12.42 \$47.08 \$50.07 \$22.24 \$52.21 \$46.37 \$18.08	\$50.66 \$11.04 \$51.92 \$51.41 \$13.96 \$52.71 \$50.41 \$14.93	\$51.90 \$11.83 \$52.98 \$52.37 \$16.97 \$53.44 \$52.52 \$20.97	\$44.24 \$13.72 \$45.33 \$44.16 \$17.49 \$45.12 \$45.13 \$23.65
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price * Standard Deviation Load Weighted Price ** REAL TIME LBMP Price *	\$34.37 \$14.58 \$35.31 \$34.32 \$20.93 \$35.40	\$57.30 \$24.48 \$58.67 \$49.25 \$23.34 \$50.48	\$27.47 \$8.23 \$28.12 \$25.59 \$12.67 \$26.37	\$20.46 \$4.58 \$20.81 \$21.30 \$7.91 \$21.67	May \$22.95 \$6.28 \$23.75 \$25.36 \$11.17 \$26.50	\$33.36 \$15.88 \$36.28 \$39.69 \$34.08 \$44.41	\$40.38 \$15.56 \$42.84 \$42.25 \$47.97 \$45.27	\$50.30 \$22.37 \$53.93 \$58.87 \$47.79 \$64.66	\$45.48 \$12.42 \$47.08 \$50.07 \$22.24 \$52.21	\$50.66 \$11.04 \$51.92 \$51.41 \$13.96 \$52.71	\$51.90 \$11.83 \$52.98 \$52.37 \$16.97 \$53.44	\$44.24 \$13.72 \$45.33 \$44.16 \$17.49 \$45.12
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price * Standard Deviation Load Weighted Price ** REAL TIME LBMP Price * Standard Deviation	\$34.37 \$14.58 \$35.31 \$34.32 \$20.93 \$35.40 \$34.59 \$29.47	\$57.30 \$24.48 \$58.67 \$49.25 \$23.34 \$50.48 \$48.22 \$26.46	\$27.47 \$8.23 \$28.12 \$25.59 \$12.67 \$26.37 \$28.06 \$26.13	\$20.46 \$4.58 \$20.81 \$21.30 \$7.91 \$21.67 \$21.10 \$10.07	\$22.95 \$6.28 \$23.75 \$25.36 \$11.17 \$26.50 \$24.62 \$10.91	\$33.36 \$15.88 \$36.28 \$39.69 \$34.08 \$44.41 \$36.58 \$25.43	\$40.38 \$15.56 \$42.84 \$42.25 \$47.97 \$45.27 \$39.61 \$26.73	\$50.30 \$22.37 \$53.93 \$58.87 \$47.79 \$64.66 \$51.46 \$37.53	\$45.48 \$12.42 \$47.08 \$50.07 \$22.24 \$52.21 \$46.37 \$18.08	\$50.66 \$11.04 \$51.92 \$51.41 \$13.96 \$52.71 \$50.41 \$14.93	\$51.90 \$11.83 \$52.98 \$52.37 \$16.97 \$53.44 \$52.52 \$20.97	\$44.24 \$13.72 \$45.33 \$44.16 \$17.49 \$45.12 \$45.13 \$23.65

<u>April</u>

January February

March

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

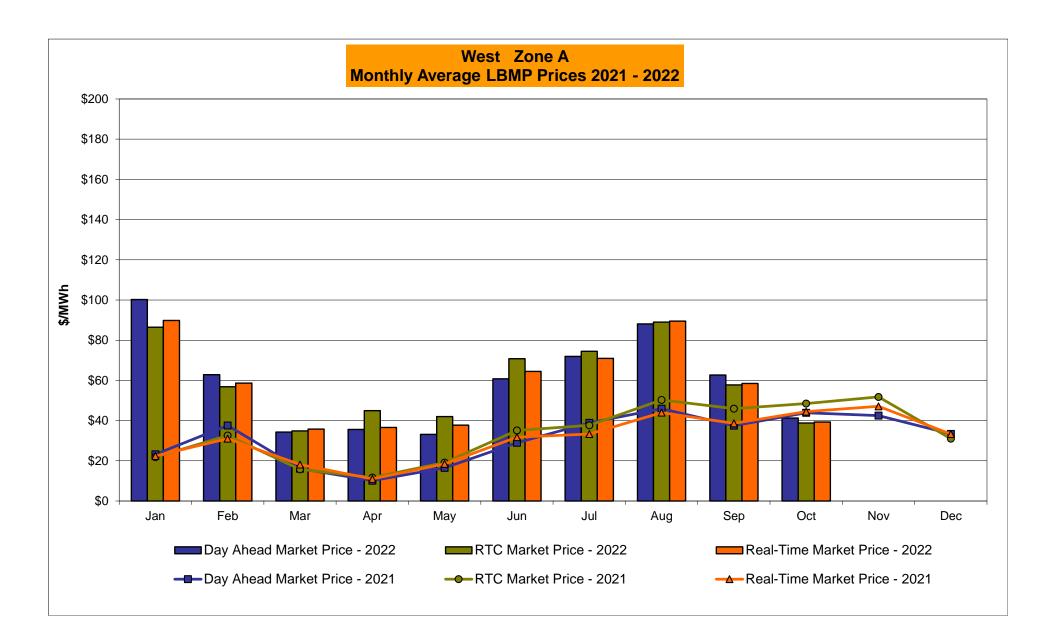


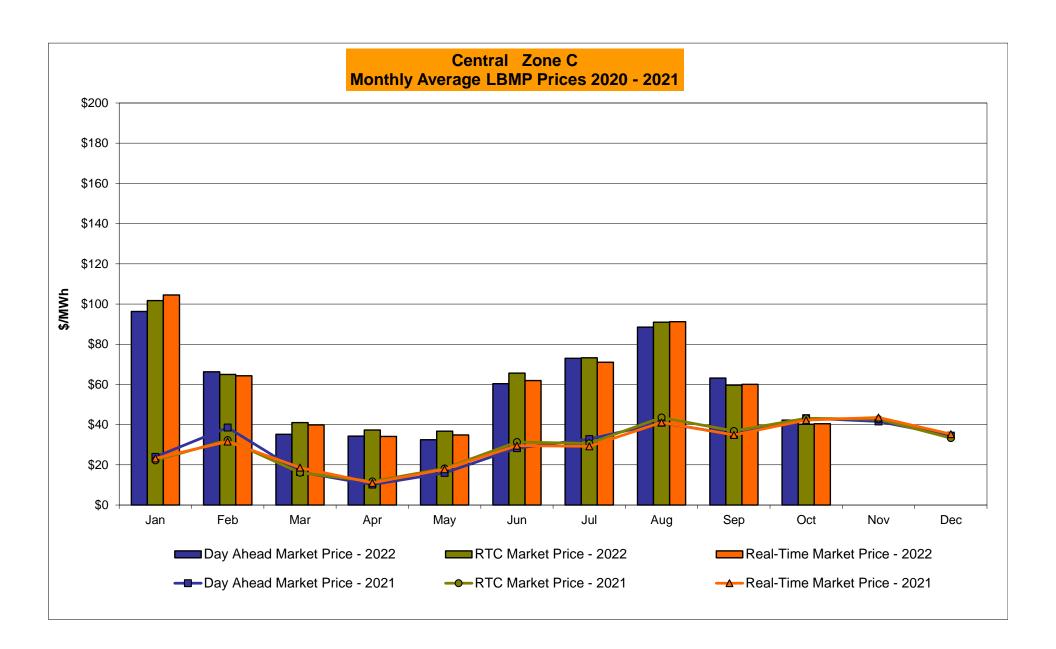
October 2022 Zonal LBMP Statistics for NYISO (\$/MWh)

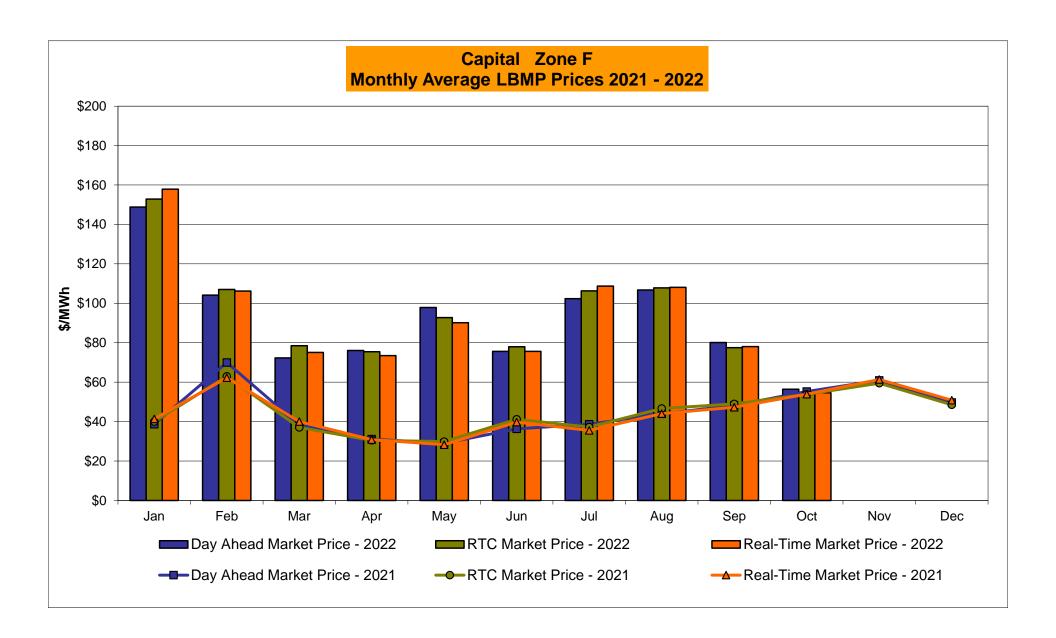
	WEST	GENESEE	NORTH	CENTRAL	MOHAWK VALLEY	CAPITAL	HUDSON VALLEY	MILLWOOD	DUNWOODIE	NEW YORK CITY	LONG ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP											
Unweighted Price *	41.29	41.22	37.51	42.23	42.91	56.47	54.02	54.42	54.56	56.76	62.39
Standard Deviation	11.76	12.19	13.99	12.40	12.46	13.14	12.26	12.33	12.34	12.75	15.79
RTC LBMP											
Unweighted Price *	38.76	38.39	35.29	40.17	40.11	54.18	50.97	51.30	51.36	52.90	60.82
Standard Deviation	17.39	15.85	18.27	17.11	16.29	16.25	12.49	12.48	12.48	13.00	32.62
REAL TIME LBMP											
Unweighted Price *	39.30	39.30	35.90	40.45	40.75	54.62	51.55	51.87	51.93	53.68	59.68
Standard Deviation	20.13	19.66	21.61	19.93	19.91	22.93	19.07	19.19	19.19	19.68	27.72
						0000					
	ONTARIO	HYDRO QUEBEC	HYDRO QUEBEC		NEW	CROSS	NORTHPORT-				
	UNTARIO	QUEBEC	QUEBEC		NEW	200ND	NORTHPORT-				
	IESO	(Mhool)	(Import/Export)	DIM	ENGLAND	CADLE	NODWALK	MEDTIME	LINDEN VET	THEORY	
	IESO	(Wheel)	(Import/Export)	PJM	ENGLAND	CABLE	NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison Controllable
	IESO Zone O	(Wheel) <u>Zone M</u>	(Import/Export) Zone M	PJM <u>Zone P</u>	ENGLAND Zone N	CABLE Controllable Line	NORWALK Controllable Line	NEPTUNE Controllable Line	LINDEN VFT Controllable Line	HUDSON Controllable Line	Controllable Line
DAY AHEAD LBMP		, ,	,			<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>
DAY AHEAD LBMP Unweighted Price *		, ,	,			<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>
	Zone O	Zone M	Zone M	Zone P	Zone N	Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
Unweighted Price * Standard Deviation RTC LBMP	Zone O 40.34 11.41	Zone M 38.49 12.95	Zone M 38.49	Zone P 48.11	Zone N 53.34 11.73	Controllable Line 62.94 17.77	Controllable Line 57.12 12.50	Controllable Line 58.58 13.57	Controllable Line 56.64	Controllable Line 55.46 12.36	Controllable Line 36.37 14.14
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price *	Zone O 40.34 11.41 36.96	Zone M 38.49 12.95	Zone M 38.49 12.95	Zone P 48.11 11.26 45.25	Zone N 53.34 11.73	Controllable Line 62.94 17.77 61.37	57.12 12.50	58.58 13.57	56.64 12.74	55.46 12.36	26.37 14.14 35.10
Unweighted Price * Standard Deviation RTC LBMP	Zone O 40.34 11.41	Zone M 38.49 12.95	Zone M 38.49 12.95	Zone P 48.11 11.26	Zone N 53.34 11.73	Controllable Line 62.94 17.77	Controllable Line 57.12 12.50	Controllable Line 58.58 13.57	Controllable Line 56.64 12.74	Controllable Line 55.46 12.36	Controllable Line 36.37 14.14
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation REAL TIME LBMP	Zone O 40.34 11.41 36.96 14.64	Zone M 38.49 12.95 35.74 17.63	Zone M 38.49 12.95 35.74 17.63	Zone P 48.11 11.26 45.25 12.15	53.34 11.73 51.17 13.61	62.94 17.77 61.37 40.48	57.12 12.50 57.93 29.95	58.58 13.57 56.38 21.94	56.64 12.74 52.43 12.73	55.46 12.36 51.86 12.66	36.37 14.14 35.10 18.45
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	Zone O 40.34 11.41 36.96	Zone M 38.49 12.95	Zone M 38.49 12.95	Zone P 48.11 11.26 45.25	Zone N 53.34 11.73	Controllable Line 62.94 17.77 61.37	57.12 12.50	58.58 13.57	56.64 12.74	55.46 12.36	26.37 14.14 35.10

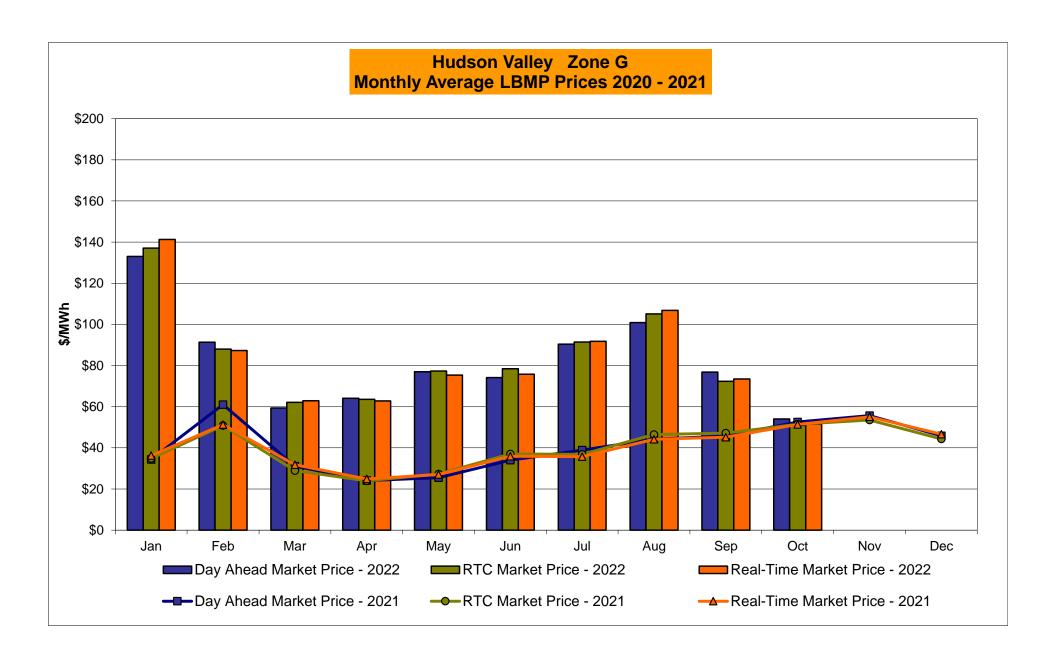
Market Mitigation and Analysis Prepared: 11/9/2022 2:18 PM

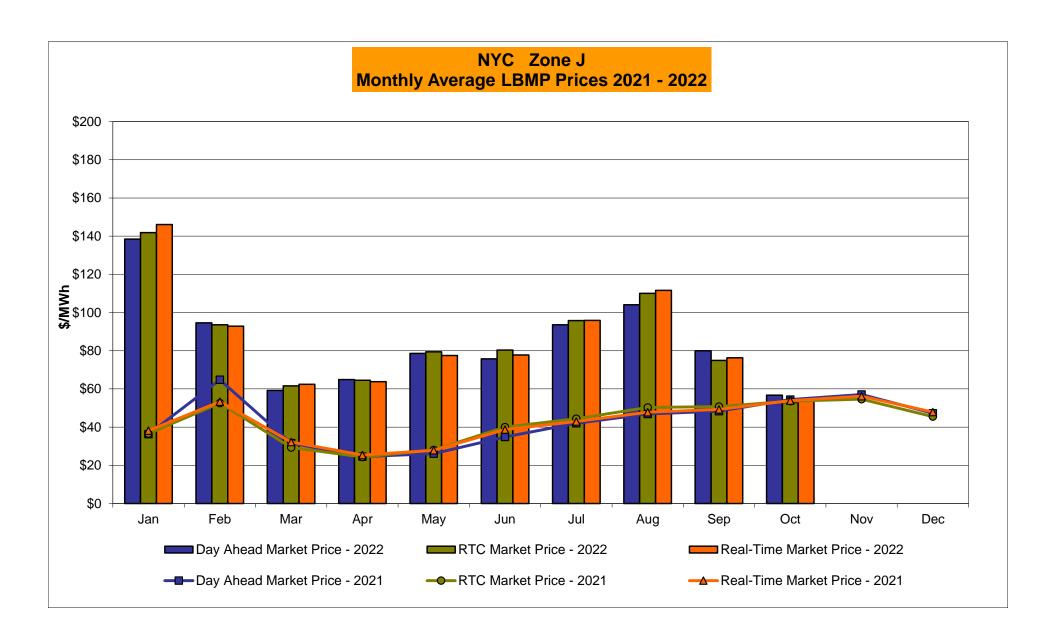
^{*} Straight LBMP averages

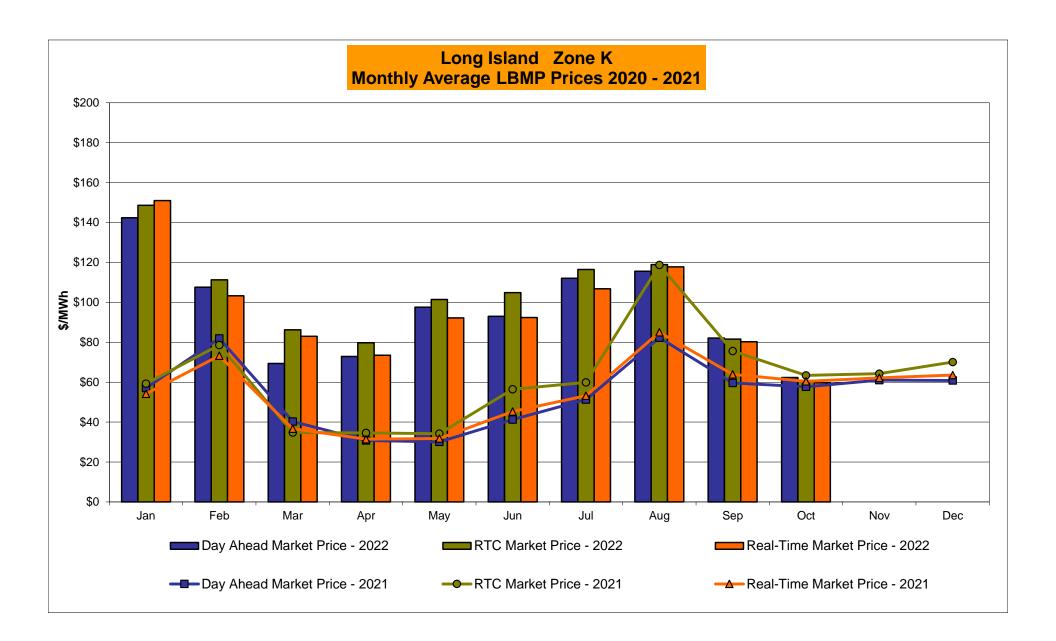


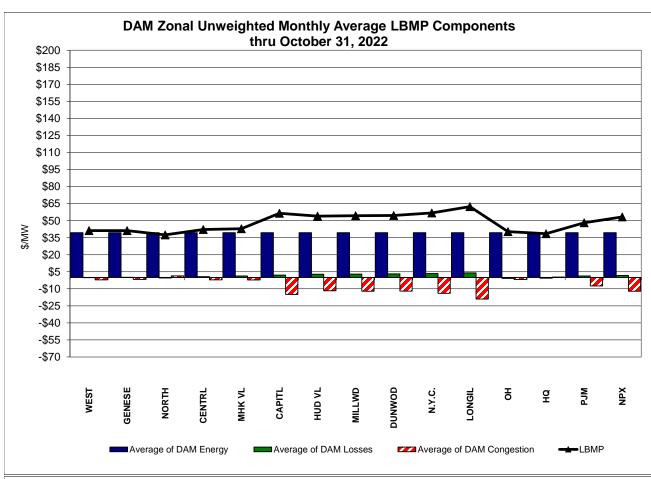


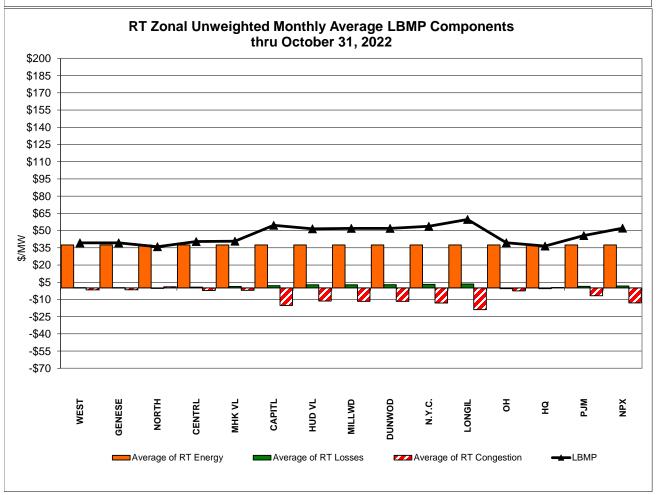




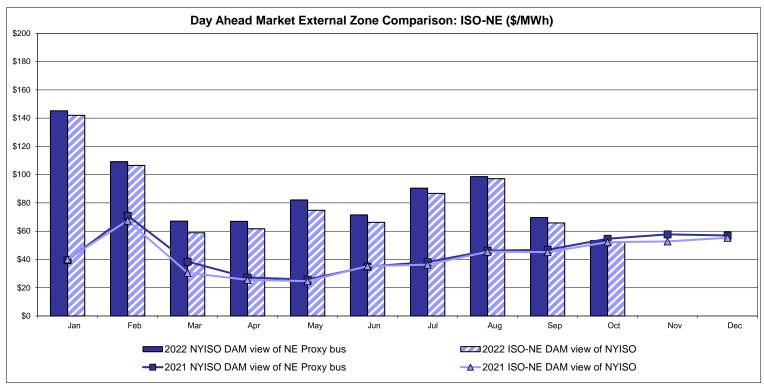


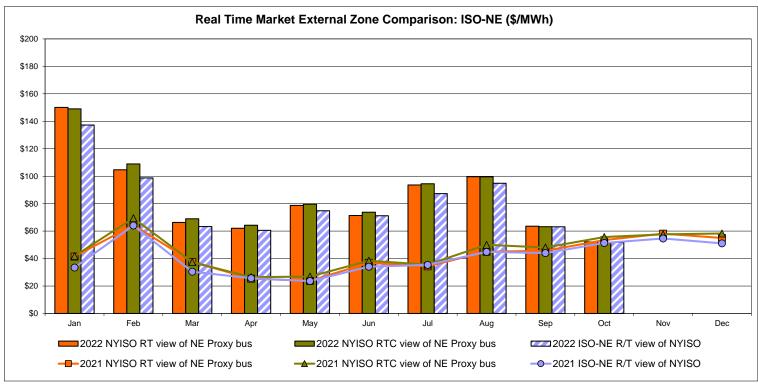




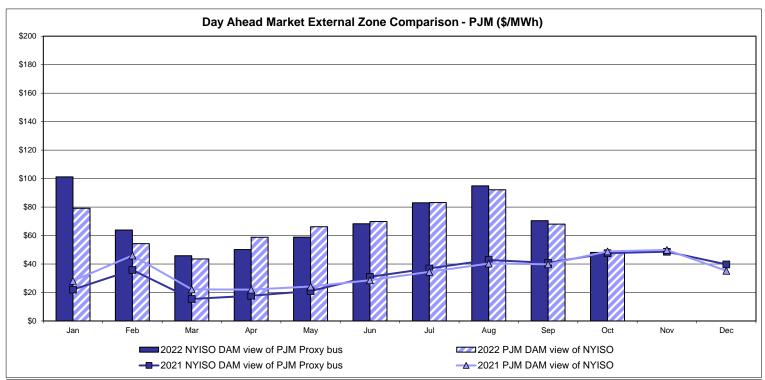


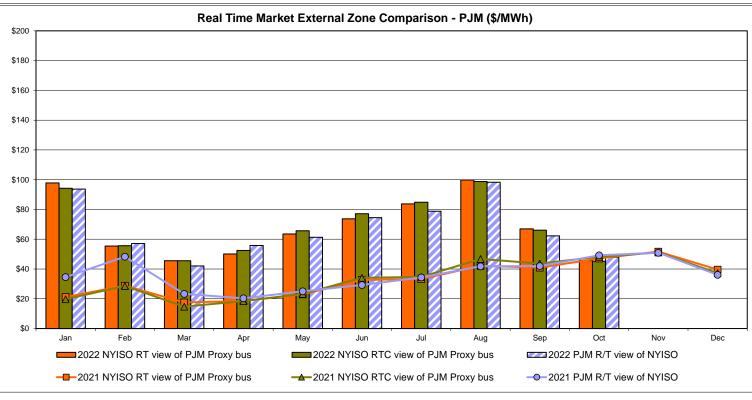
External Comparison ISO-New England



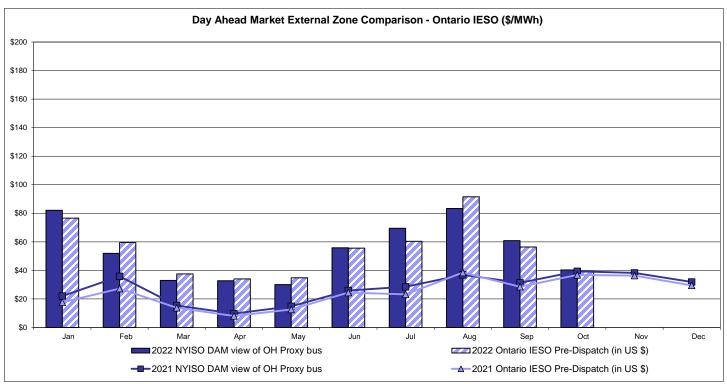


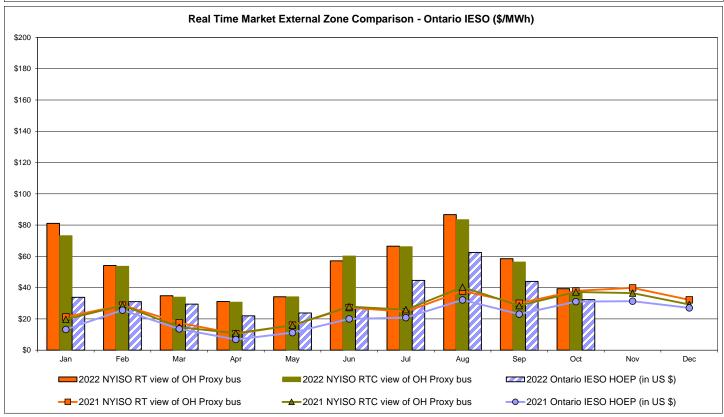
External Comparison PJM





External Comparison Ontario IESO

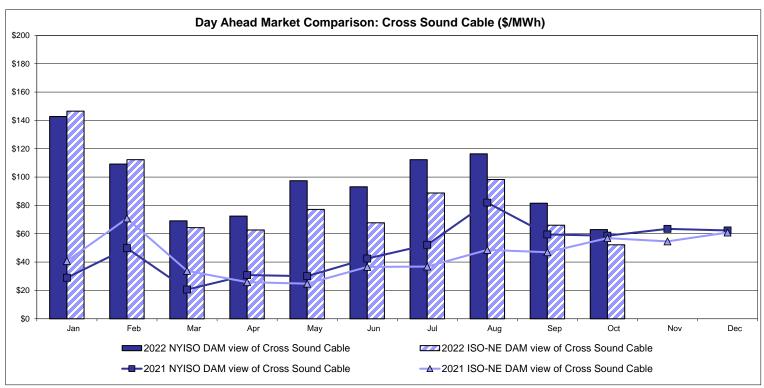


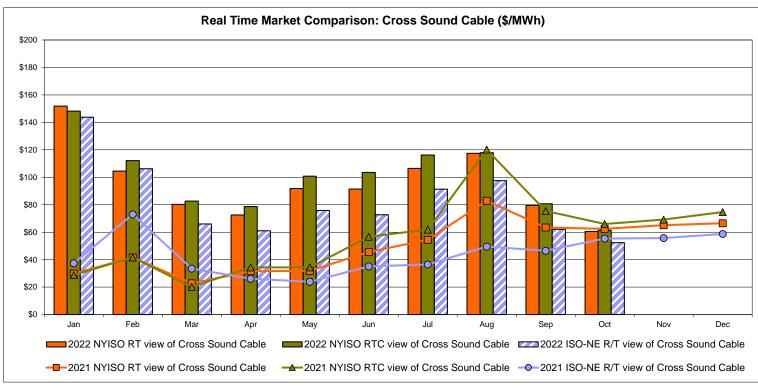


Notes: Exchange factor used for October 2022 was 0.730513551026371 to US

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

External Controllable Line: Cross Sound Cable (New England)





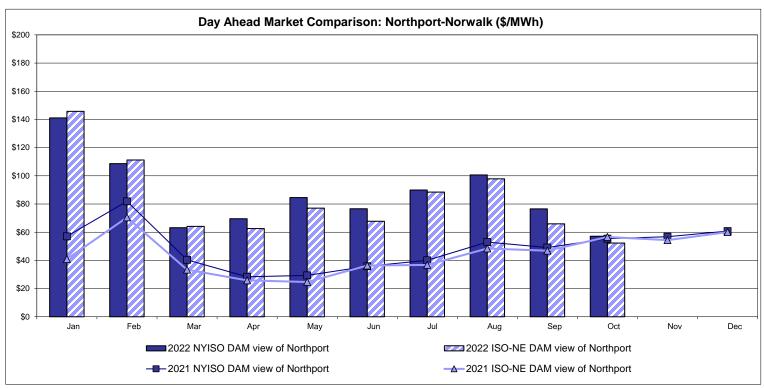
Note:

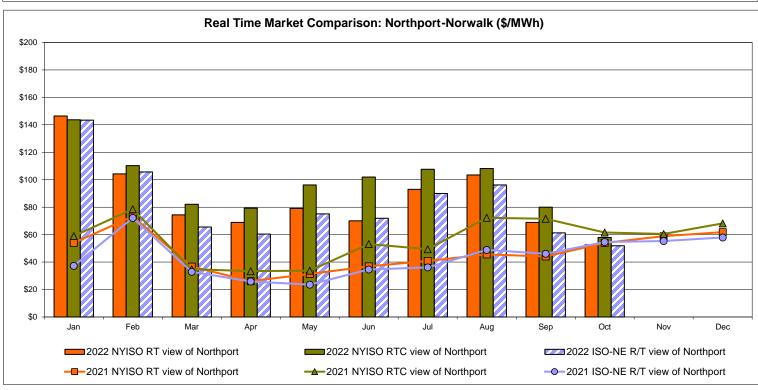
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)





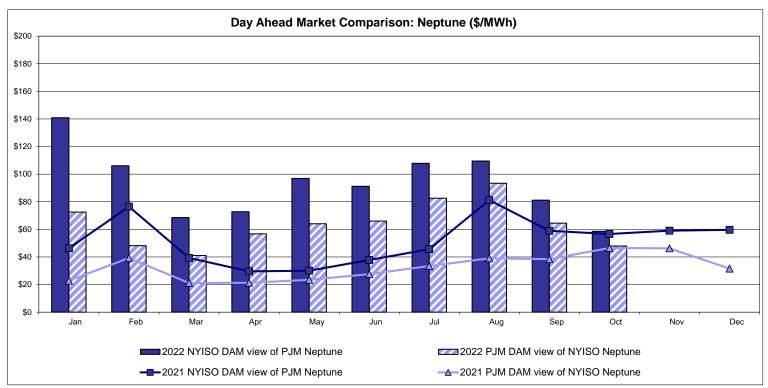
Note:

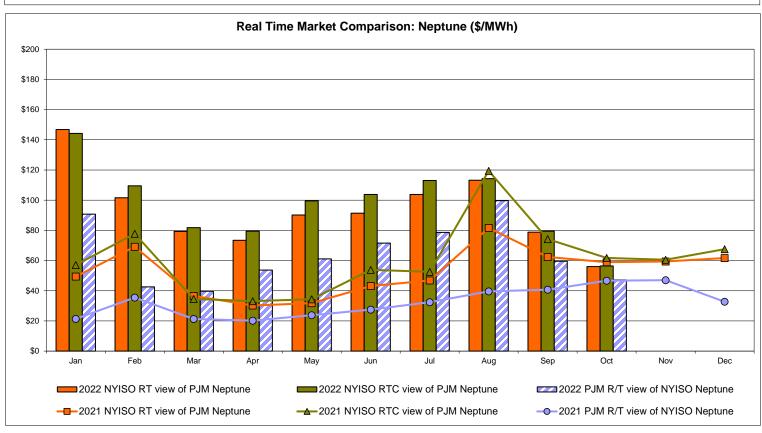
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

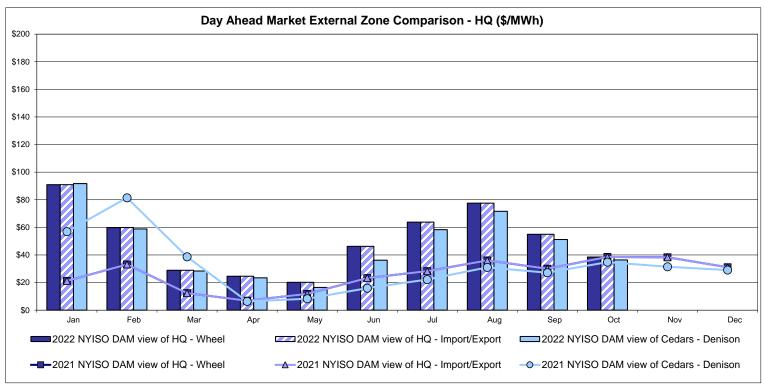
The DAM and R/T prices at the 1385 interface are used for NYISO.

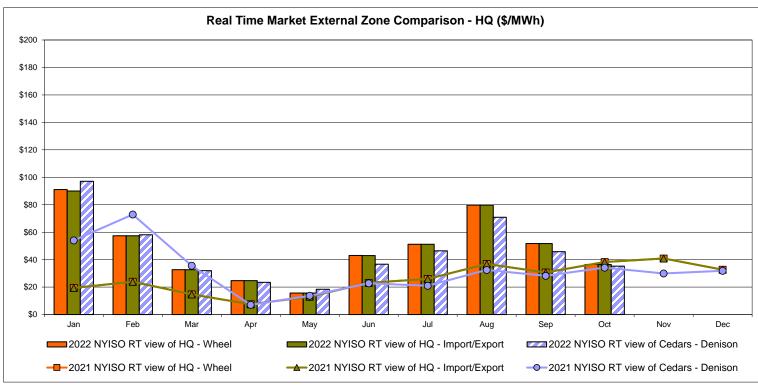
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

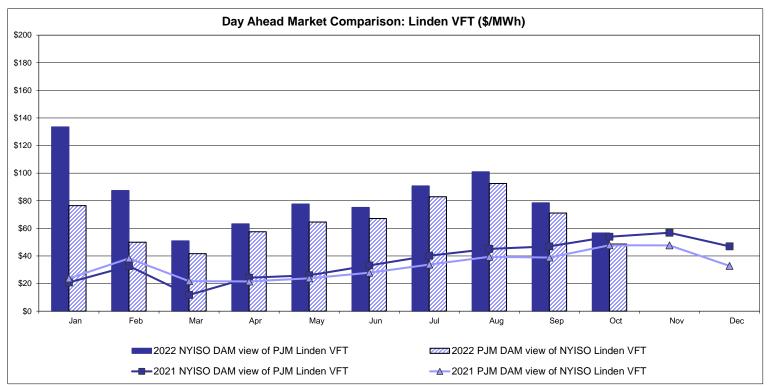


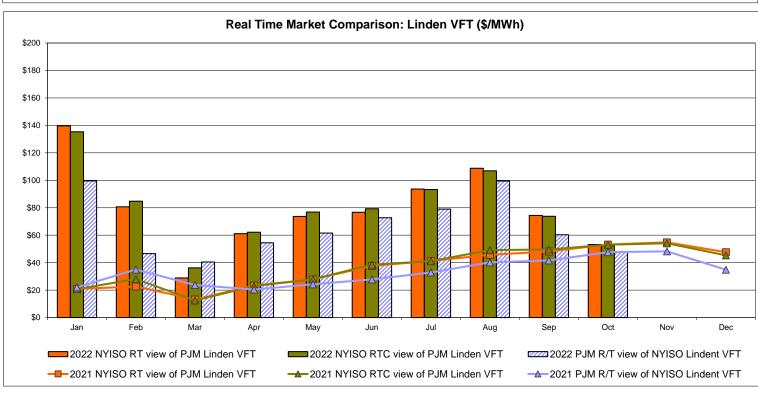


Note:

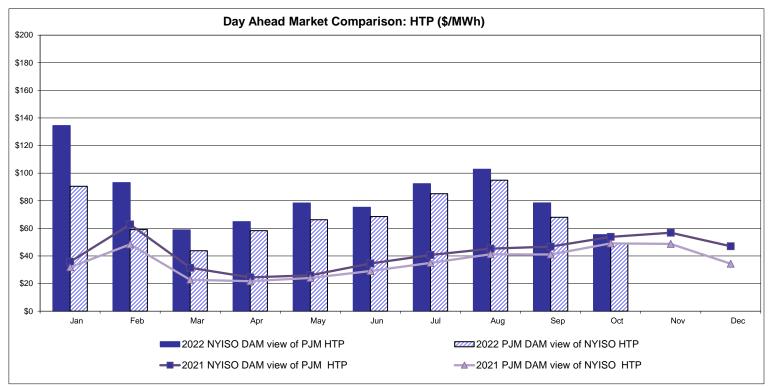
Hydro-Quebec Prices are unavailable.

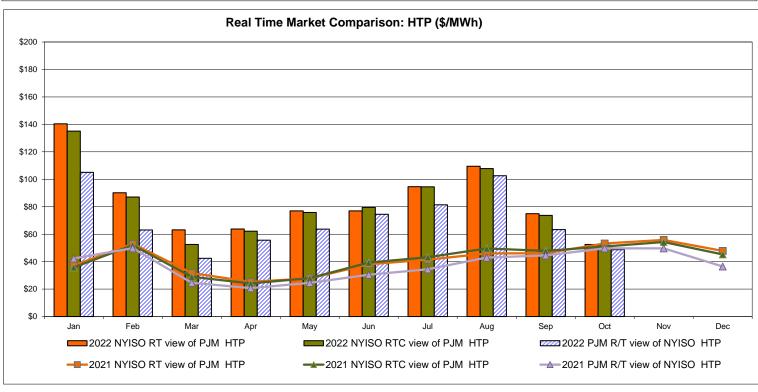
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)

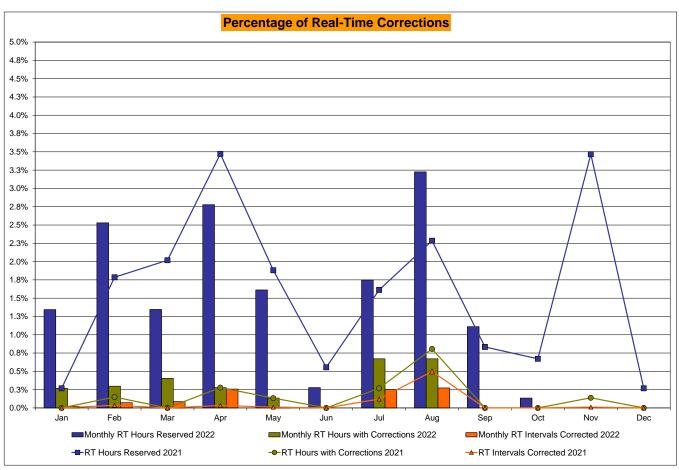


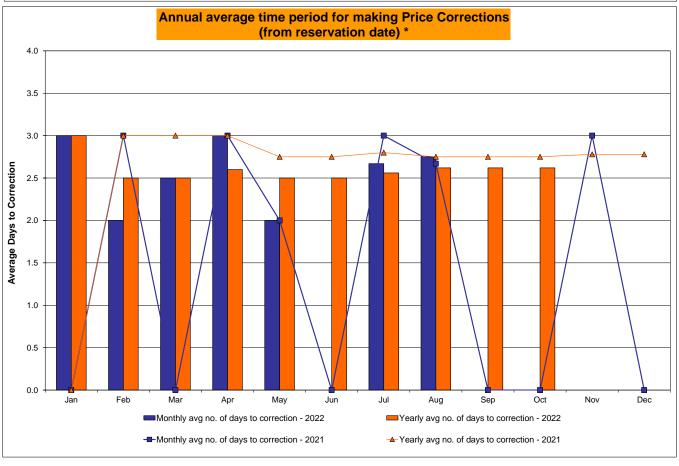


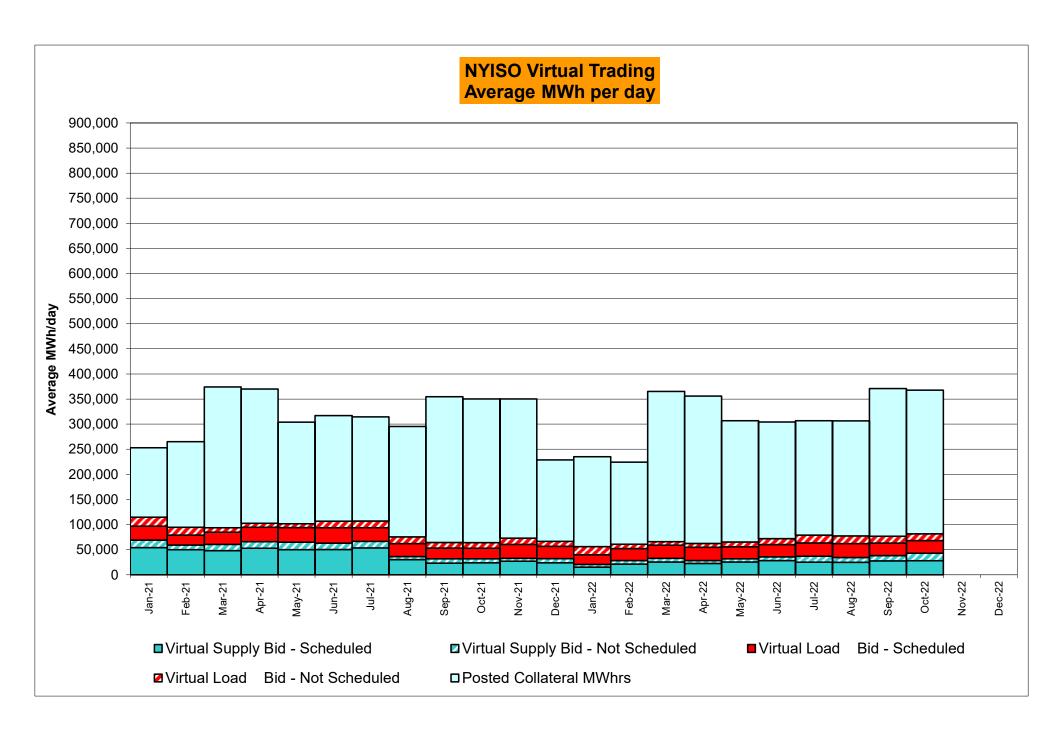
NYISO Real Time Price Correction Statistics

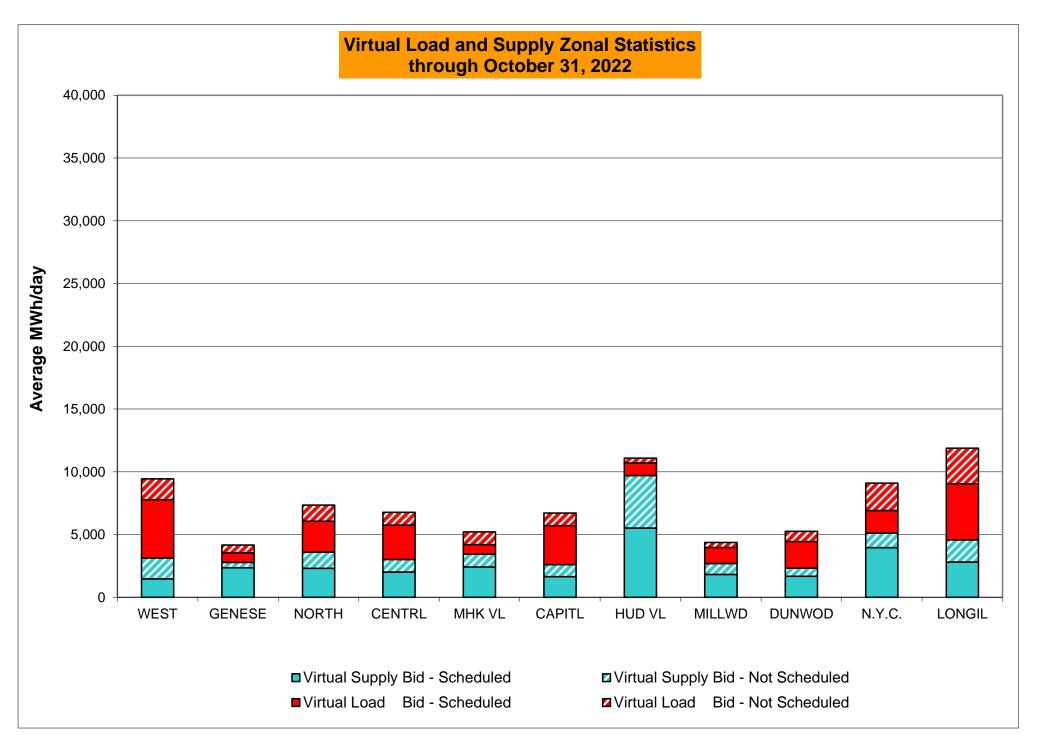
	NTIOO Real Time 1 Tide Gotteetion Statistics												
2022 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
Number of hours with corrections	in the month	2	2	3	2	1	0	5	5	0	0		
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744		
% of hours with corrections	in the month	0.27%	0.30%	0.40%	0.28%	0.13%	0.00%	0.67%	0.67%	0.00%	0.00%		
% of hours with corrections	year-to-date	0.27%	0.28%	0.32%	0.31%	0.28%	0.23%	0.29%	0.34%	0.31%	0.27%		
Interval Corrections													
Number of intervals corrected	in the month	2	6	8	23	1	0	23	25	0	0		
Number of intervals	in the month	9,258	8,338	9,118	8,908	9,181	8,864	9,140	9,145	8,825	9,097		
% of intervals corrected	in the month	0.02%	0.07%	0.09%	0.26%	0.01%	0.00%	0.25%	0.27%	0.00%	0.00%		
% of intervals corrected	year-to-date	0.02%	0.05%	0.06%	0.11%	0.09%	0.07%	0.10%	0.12%	0.11%	0.10%		
Hours Reserved													
Number of hours reserved	in the month	10	17	10	20	12	2	13	24	8	1		
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744		
% of hours reserved	in the month	1.34%	2.53%	1.35%	2.78%	1.61%	0.28%	1.75%	3.23%	1.11%	0.13%		
% of hours reserved	year-to-date	1.34%	1.91%	1.71%	1.98%	1.90%	1.63%	1.65%	1.85%	1.77%	1.60%		
Days to Correction *													
Avg. number of days to correction	in the month	3.00	2.00	2.50	3.00	2.00	0.00	2.67	2.75	0.00	0.00		
Avg. number of days to correction	year-to-date	3.00	2.50	2.50	2.60	2.50	2.50	2.56	2.62	2.62	2.62		
Days Without Corrections													
Days without corrections	in the month	30	27	29	29	30	30	28	27	30	31		
Days without corrections	year-to-date	30	57	86	115	145	175	203	230	260	291		
<u>2021</u>		<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
Hour Corrections						<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		0	1	0	2	1 744 0.13%	0	2	6	0	0	1	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 in the month	0 744 0.00% 0.00%	1 672 0.15% 0.07%	0 743 0.00% 0.05%	2 720 0.28% 0.10%	1 744 0.13% 0.11%	0 720 0.00% 0.09%	2 744 0.27% 0.12%	6 744 0.81% 0.21%	0 720 0.00% 0.18%	0 744 0.00% 0.16%	1 721 0.14% 0.16%	0 744 0.00% 0.15%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals	in the month in the month year-to-date in the month in the month 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%	2 720 0.28% 0.10%	1 744 0.13% 0.11% 1 9,157	0 720 0.00% 0.09% 0 8,813	2 744 0.27% 0.12% 11 9,084	6 744 0.81% 0.21% 45 9,024	0 720 0.00% 0.18% 0 8,783	0 744 0.00% 0.16% 0 9,133	1 721 0.14% 0.16% 1 8,802	0 744 0.00% 0.15% 0 9,063
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected	in the month in the month year-to-date in the month	0 744 0.00% 0.00%	1 672 0.15% 0.07%	0 743 0.00% 0.05%	2 720 0.28% 0.10%	1 744 0.13% 0.11%	0 720 0.00% 0.09%	2 744 0.27% 0.12%	6 744 0.81% 0.21%	0 720 0.00% 0.18%	0 744 0.00% 0.16%	1 721 0.14% 0.16%	0 744 0.00% 0.15%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month 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%	2 720 0.28% 0.10%	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% 12 744	6 744 0.81% 0.21% 45 9,024 0.50% 0.09%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07%	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% 12 744	6 744 0.81% 0.21% 45 9,024 0.50% 0.09%	0 720 0.00% 0.18% 0 8,783 0.00% 0.08%	0 744 0.00% 0.16% 0 9,133 0.00% 0.07%	1 721 0.14% 0.16% 1 8,802 0.01% 0.07%	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 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	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 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 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 You 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 in the month in the month in the month year-to-date in the month year-to-date	0 744 0.00% 0.00% 0 9,095 0.00% 0.00% 2 744 0.27% 0.27% 0.00 0.00	1 672 0.15% 0.07% 3 8,236 0.04% 0.02% 12 672 1.79% 0.99% 3.00 3.00	0 743 0.00% 0.05% 0 9,100 0.00% 0.01% 15 743 2.02% 1.34% 0.00 3.00	2 720 0.28% 0.10% 3 8,827 0.03% 0.02% 25 720 3.47% 1.88% 3.00 3.00	1 744 0.13% 0.11% 1 9,157 0.01% 0.02% 14 744 1.88% 1.88% 2.00 2.75	0 720 0.00% 0.09% 0 8,813 0.00% 0.01% 4 720 0.56% 1.66% 0.00 2.75	2 744 0.27% 0.12% 11 9,084 0.12% 0.03% 12 744 1.61% 1.65% 3.00 2.80	6 744 0.81% 0.21% 45 9,024 0.50% 0.09% 17 744 2.28% 1.73% 2.67 2.75	0 720 0.00% 0.18% 0 8,783 0.00% 0.08% 6 720 0.83% 1.63% 0.00 2.75	0 744 0.00% 0.16% 0 9,133 0.00% 0.07% 5 744 0.67% 1.54% 0.00 2.75	1 721 0.14% 0.16% 1 8,802 0.01% 0.07% 25 721 3.47% 1.71% 3.00 2.78	0 744 0.00% 0.15% 0 9,063 0.00% 0.06% 2 744 0.27% 1.59% 0.00 2.78
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved % of hours reserved Days to Correction Avg. number of days to correction Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month	0 744 0.00% 0.00% 0 9,095 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 3 8,236 0.04% 0.02% 12 672 1.79% 0.99%	0 743 0.00% 0.05% 0 9,100 0.00% 0.01% 15 743 2.02% 1.34%	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%

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



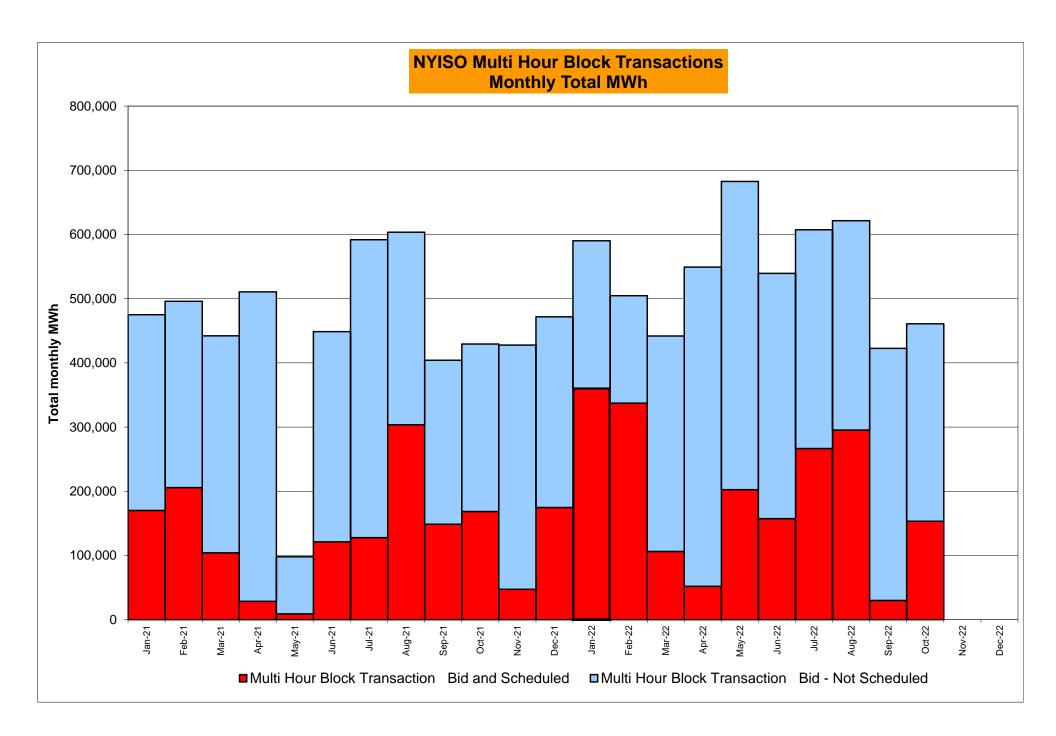


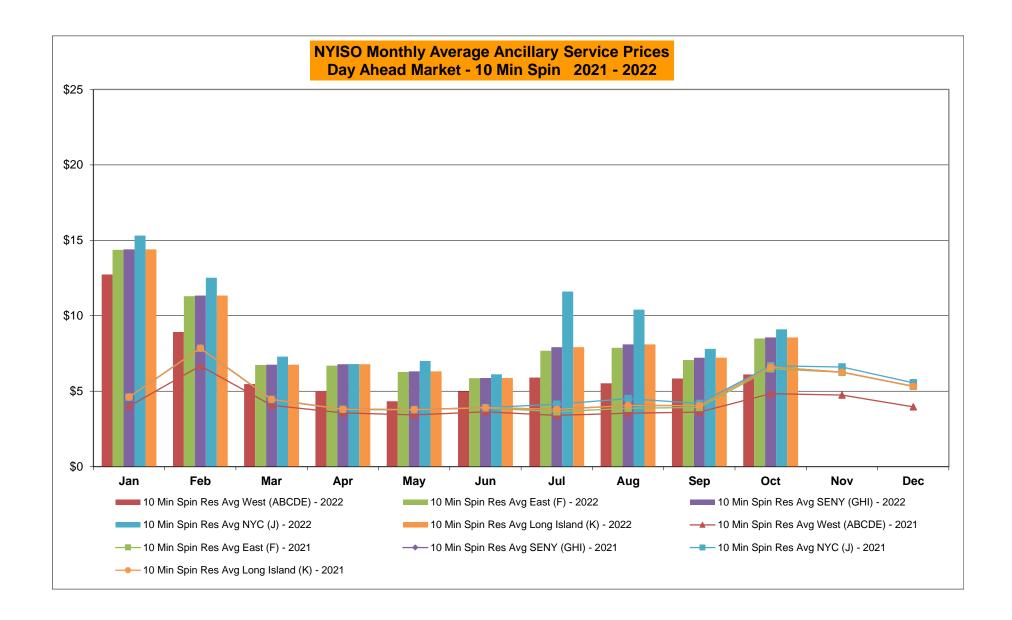


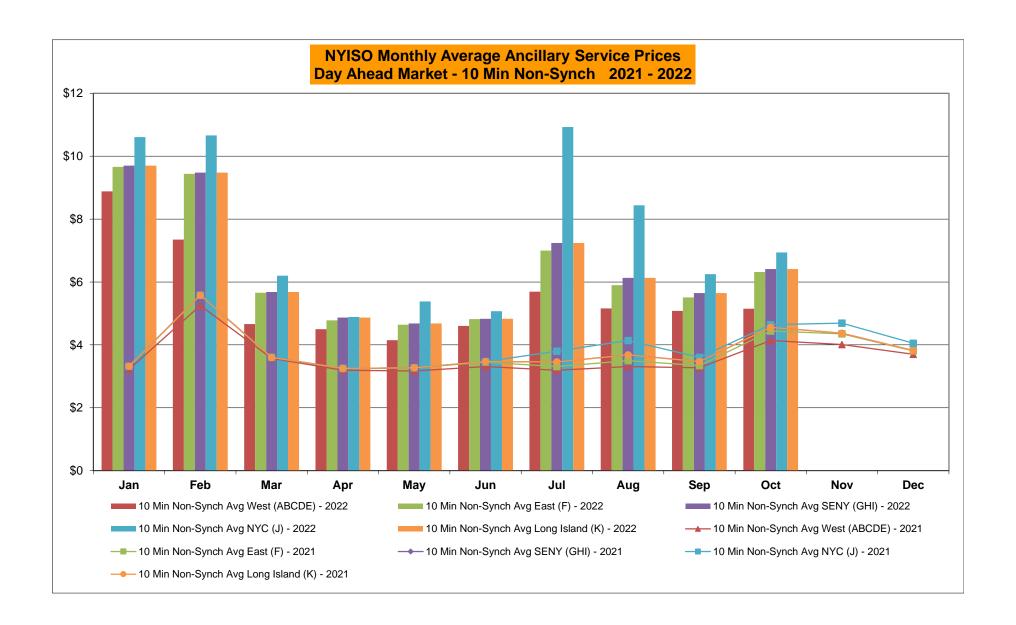


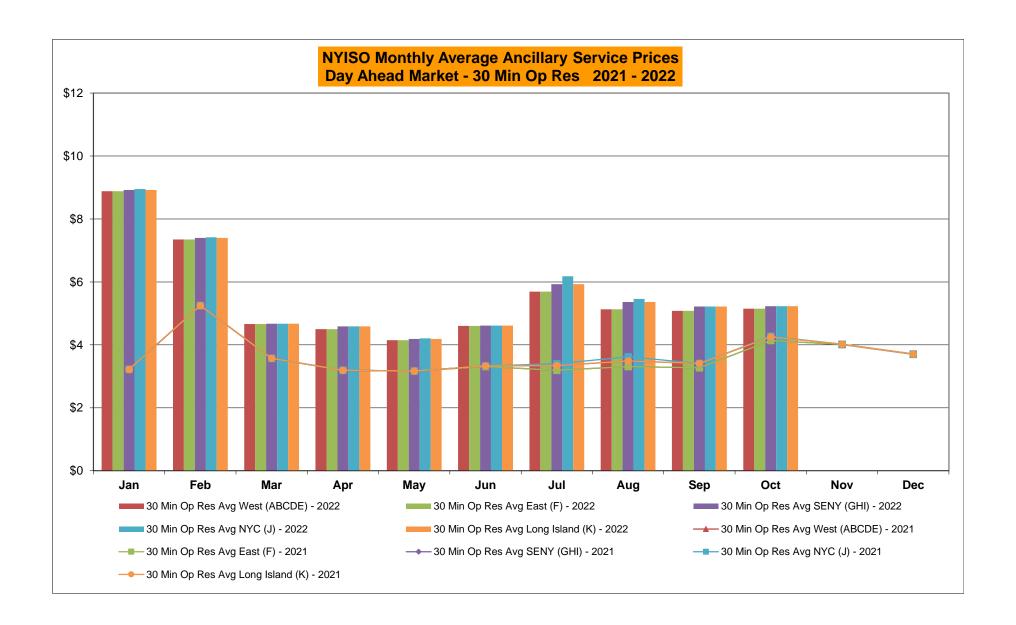
	Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2022																
		Virtual L	and Did	Virtual C	unnly Bid			Virtual I	oad Bid	Virtual Su	mmly Bid			Virtual I	Load Bid	Virtual Su	unnlu Did
	1	Virtual L	Not	virtuai 5	upply Bid Not		1	Virtual L	Not	virtuai St	Not		1	Virtual I	Not	virtuai St	Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled		Scheduled	Scheduled	Zone	Date	Scheduled		Scheduled	
WEST	Jan-22	2,754	1,900	2,076	1,276	MHK VL	Jan-22	722	621	1,245	204	DUNWOD	Jan-22	1,376		652	54
	Feb-22	2,773	1,170	3,027	908	I IIII V L	Feb-22	1,830	386	1,518	349	DOMINOD	Feb-22			1,218	
	Mar-22	3,702	830	2,480	526		Mar-22		131	1,506	371		Mar-22				68
	Apr-22	3,967	1,016	2,214	402		Apr-22	1,848	208	1,483	379		Apr-22	2,229			
	May-22	5,740	1,247	1,473	670		May-22	1,108	254	2,338	538		May-22	1,752	1,335	1,505	58
	Jun-22	6,049	2,343	1,239	1,048		Jun-22	1,021	423	2,636	425		Jun-22	1,859		1,940	77
	Jul-22	4,521	2,537	1,837	945		Jul-22	316	824	2,895	547		Jul-22	2,607			
	Aug-22	3,954	2,685	1,252	848		Aug-22 Sep-22	831	937	2,676	637		Aug-22	3,445		1,218	499
	Sep-22	3,586	2,483	1,848	907		Sep-22	770	1,023	2,924	408		Sep-22			1,694	413
	Oct-22	4,649	1,660	1,469	1,659		Oct-22		1,007	2,419	1,023		Oct-22	2,129	806	1,673	646
	Nov-22						Nov-22						Nov-22				
	Dec-22						Dec-22						Dec-22				
GENESE	Jan-22	722	464	1,058	319	CAPITL	Jan-22	2,536	2,157	749	695	N.Y.C.	Jan-22	2,341	3,279	1,155	349
	Feb-22	853	293	1,560	395	9741112	Feb-22	3,700	1,211	1,075	785	1	Feb-22			1,938	607
	Mar-22	1,615	190	1,176	265		Mar-22	2,660	1,045	1,450	879		Mar-22	1,769	1,526		629
	Apr-22	1,226	244	1,415	354		Apr-22		610	2,274	843		Apr-22	1,341	1,172		492
	May-22	994	302	2,104	636		May-22		868	2,609	669		May-22		1,517	2,425	405
	Jun-22	728	542	2,426	453		Jun-22		697	2,784	832		Jun-22			2,501	613
	Jul-22	670	463	2,060	346		Jul-22	1,621	1,170	2,543	731		Jul-22			1,795	
	Aug-22	1,195	526	2,080	281		Aug-22	2,663	1,016	1,795	503		Aug-22	5,333			1,023
	Sep-22	1,207	531	1,224	356		Sep-22		739	1,874	893		Sep-22	3,294	1,702	3,151	1,077
	Oct-22	765	616	2,348	429		Oct-22		1,000	1,653	950		Oct-22		2,168	3,957	1,164
	Nov-22 Dec-22						Nov-22 Dec-22					_	Nov-22 Dec-22				
	Dec-22						Dec-22						Dec-22				
NORTH	Jan-22	938	469	1,778	643	HUD VL	Jan-22	1,062	1,130	3,738	1,083	LONGIL	Jan-22	4,217		601	241
	Feb-22	1,019	231	1,899	887		Feb-22		390	5,143	1,806		Feb-22	4,110		1,021	355
	Mar-22	1,192	148	2,020	699		Mar-22		308	7,017	2,760		Mar-22		1,935	1,581	408
	Apr-22	1,046	165	2,180	885		Apr-22	1,400	172	5,721	1,227		Apr-22	4,736			469
	May-22 Jun-22	1,501 1,641	233 492	1,889 2,160	1,039 710		May-22 Jun-22	1,035	300 518	5,637 6,290	889 1,725		May-22 Jun-22	3,361 4,316	2,766 2,375	2,045 1,773	
	Jul-22	1,483	492	1,987	477		Jul-22		1,052	5,336	4,490		Jul-22			1,773	1,385
	Aug-22	797	609	3,024	964		Aug-22		680	5,336	2,379		Aug-22				1,365
	Sep-22	1,585	613	2,564	1,027		Sep-22	1,250	596	6,145	2,671		Sep-22	5,125			1,257
	Oct-22	2,458	1,274	2,311	1,297		Oct-22	1,006	376	5,523	4,181	1	Oct-22	4,471	2,842	2,810	1,761
	Nov-22		.,	_,,	.,=01		Nov-22			-,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Nov-22	.,		_,,_	.,
	Dec-22						Dec-22						Dec-22				
CENTRL	Jan-22	1,317	1,284	1,104	364	MILLWD	Jan-22		654	867	262	NYISO	Jan-22	19,089		15,023	5,489
	Feb-22	1,665	499	1,780	409		Feb-22		462	1,367	312		Feb-22			21,545	
	Mar-22 Apr-22	3,731 4,837	251 390	1,490 1,415	338 307	_	Mar-22 Apr-22	1,413 2,136	234 172	2,038 1,257	338 309		Mar-22 Apr-22		7,554 7,560	25,430 22,626	7,281 5,713
	May-22	2,265	267	1,415	543	 	May-22	2,130	277	1,628	269	\dashv	May-22	24,099		25,500	6,269
	Jun-22	1,597	718	2,303	368	 	Jun-22		393	2,111	320	\dashv	Jun-22			28,164	7,511
	Jul-22	1,108	1,071	2,051	464		Jul-22	2,248	909	1,315	688	\dashv	Jul-22	26,648			11,830
1	Aug-22	1,172	1,149	2,338	628	_	Aug-22		686	1,134	615		Aug-22		15,237	24,733	9,596
	Sep-22	1,809	1,280	2,915	663		Sep-22		661	1,527	800		Sep-22	25,005		27,652	10,472
	Oct-22	2,743	1,023	2,011	999		Oct-22		387	1,829	863		Oct-22	25,170		28,004	14,971
	Nov-22						Nov-22						Nov-22				
	Dec-22						Dec-22						Dec-22				

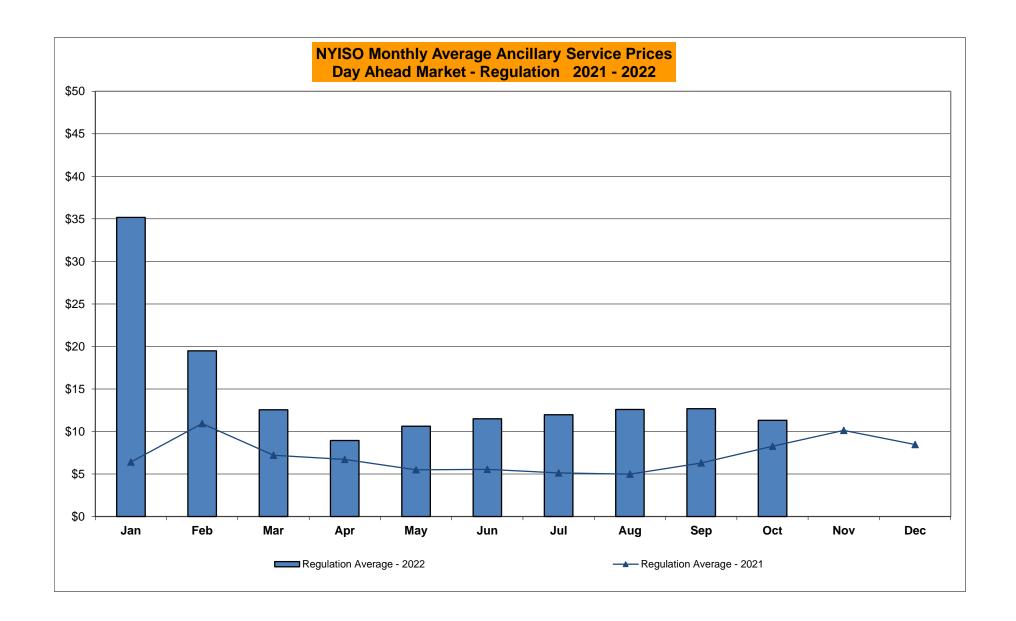
Market Mitigation and Analysis Prepared: 11/9/2022 2:15 PM

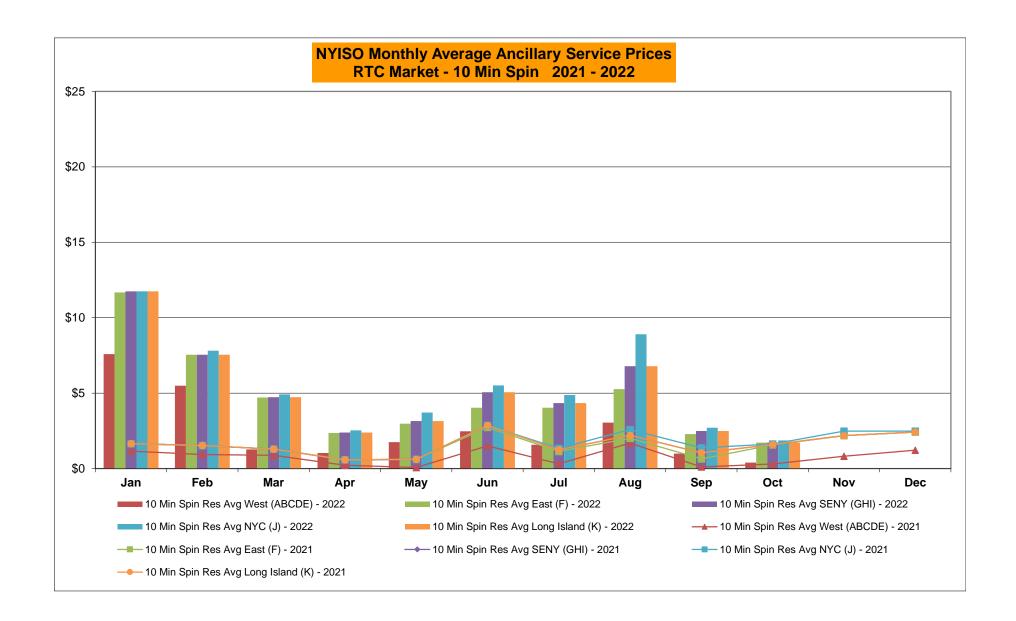


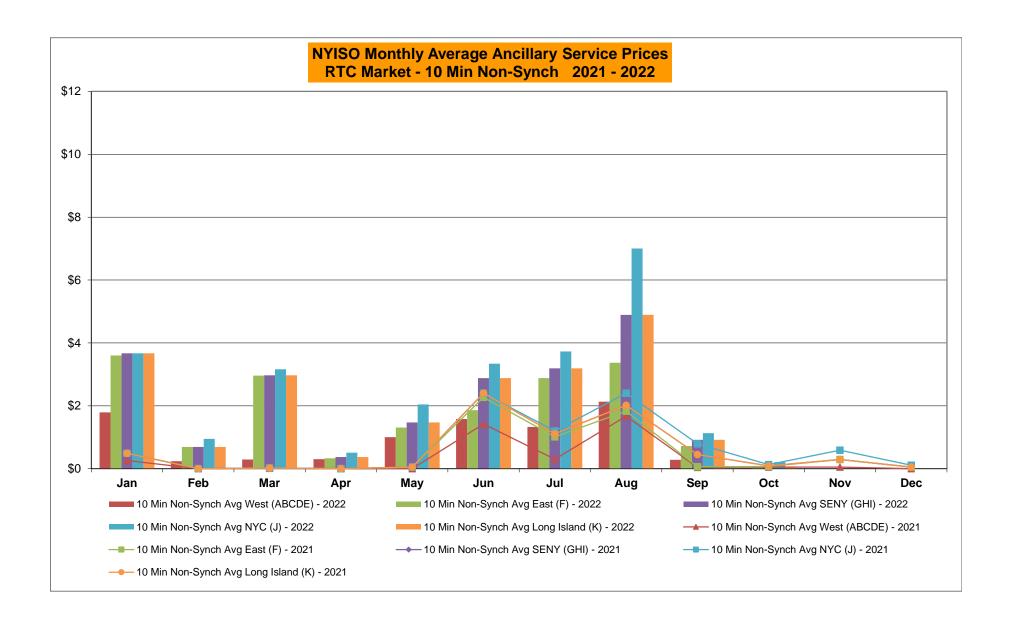


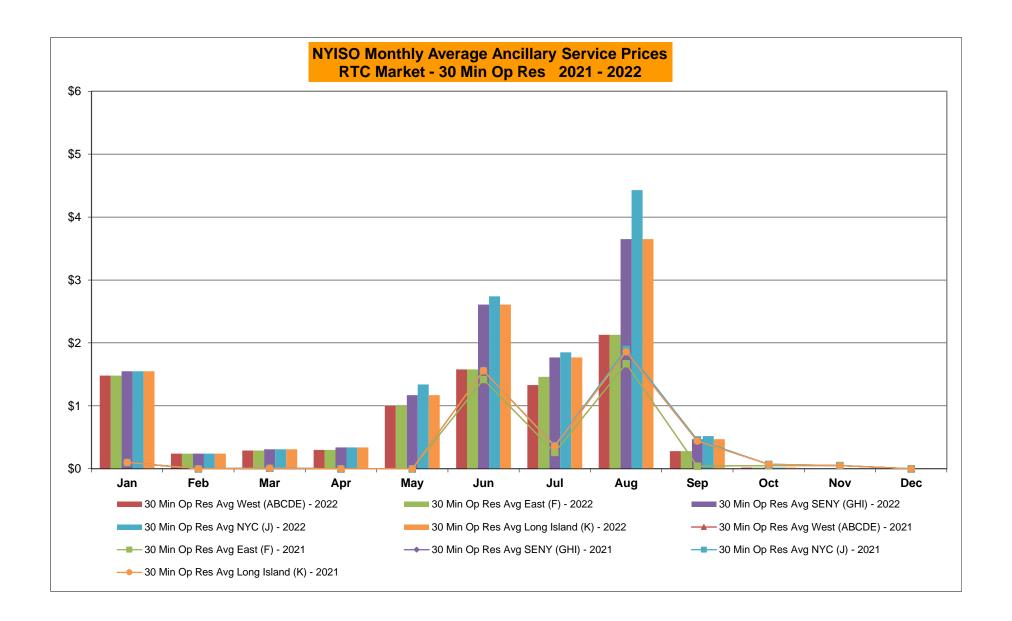


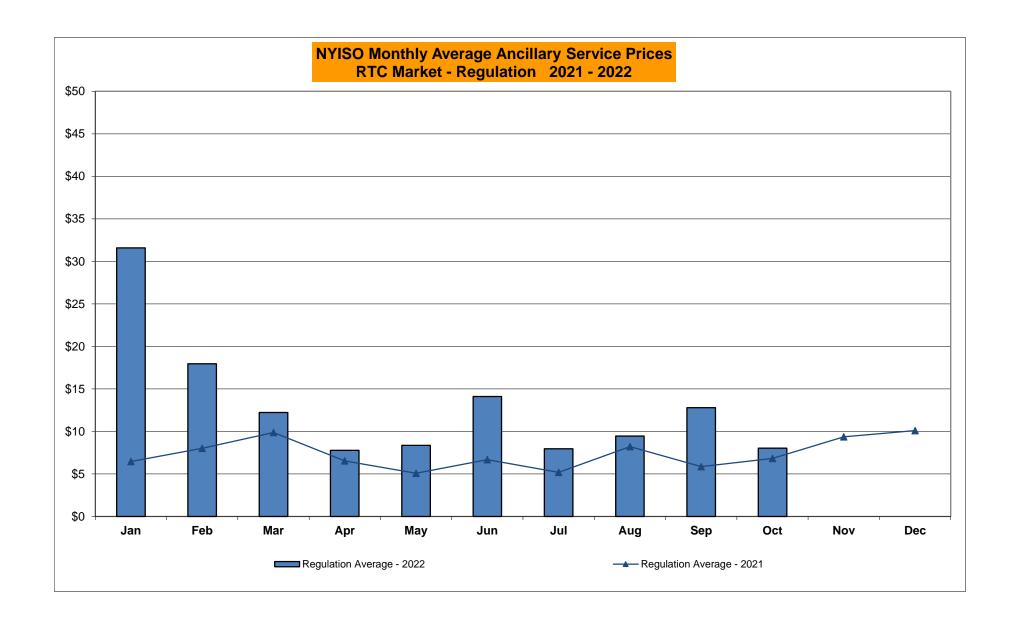


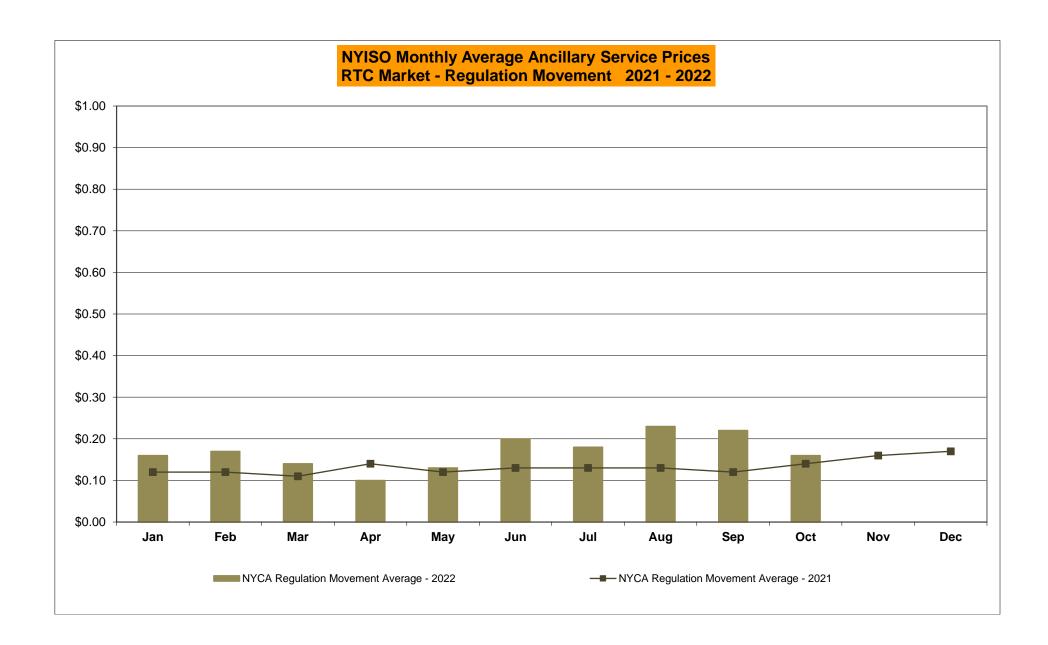


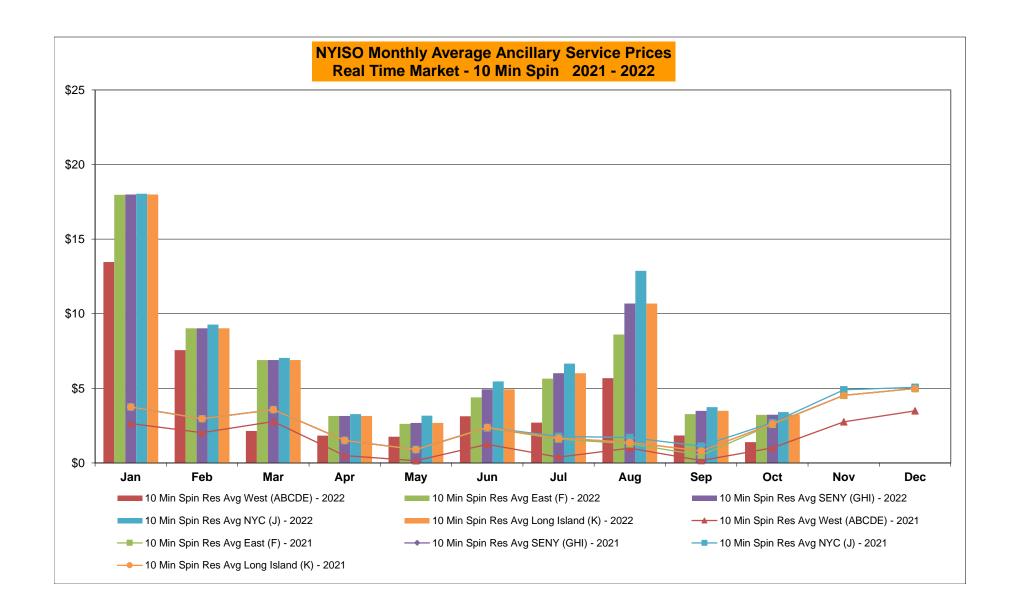


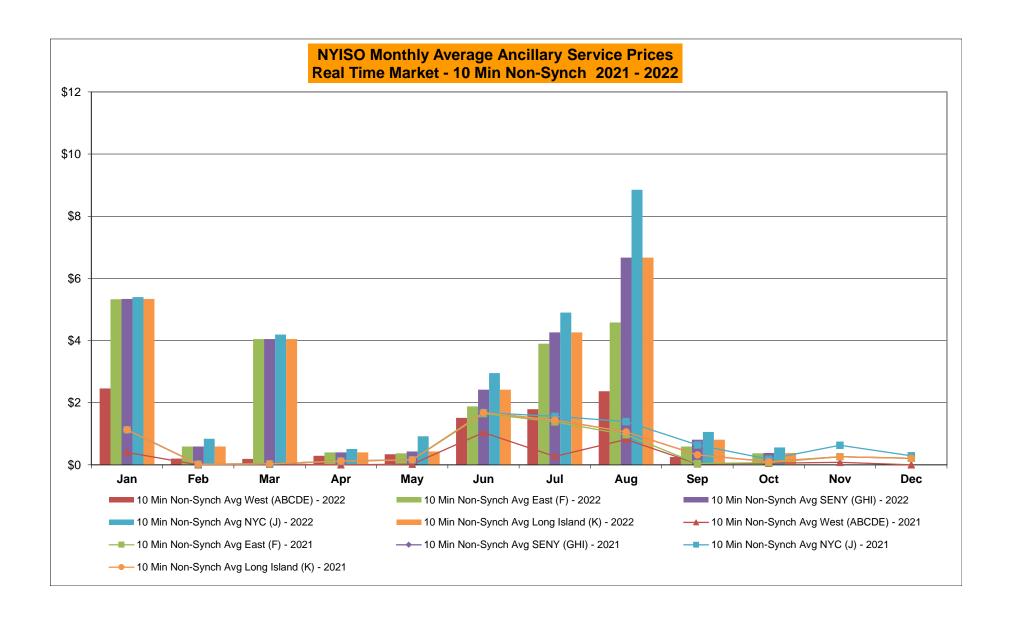


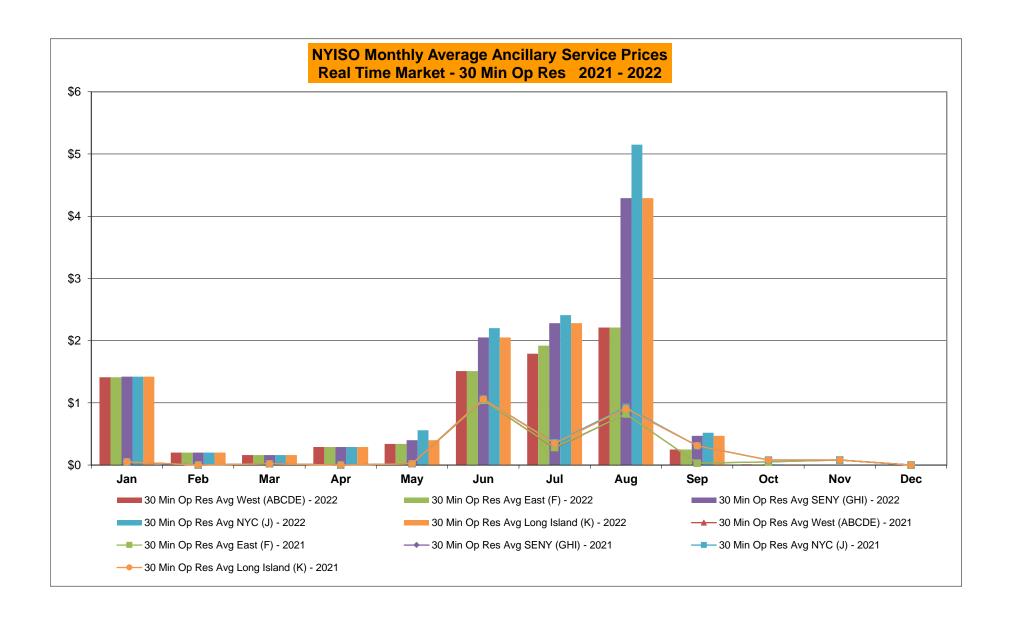


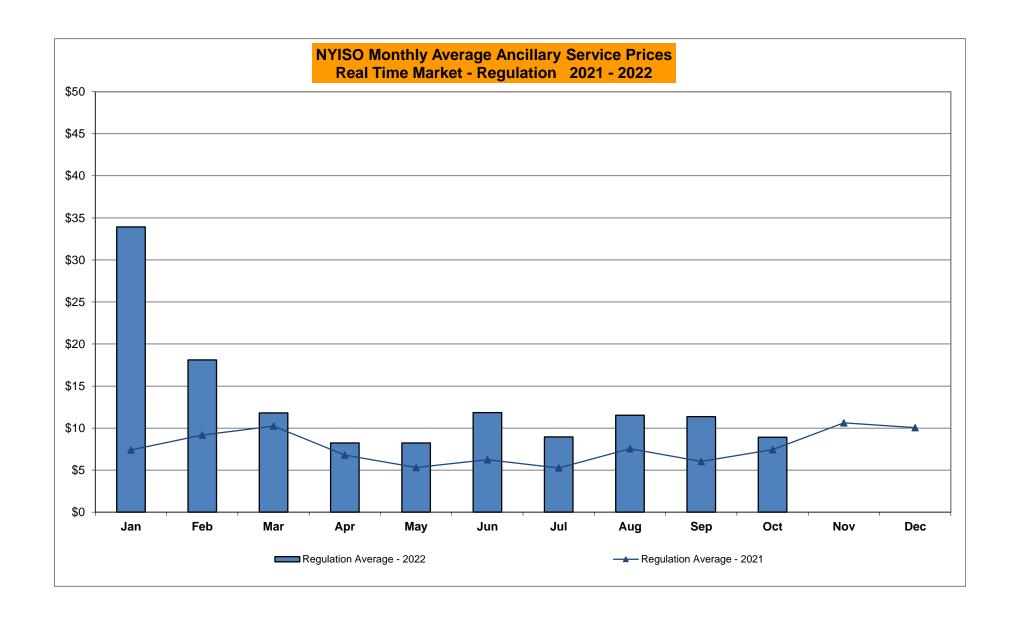


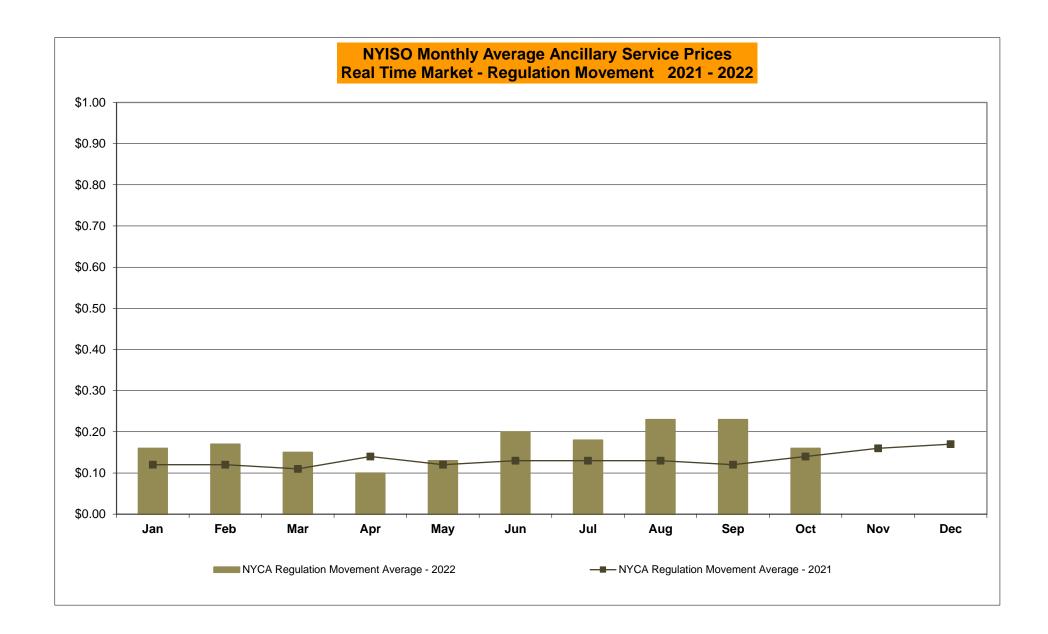












NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - DAM

2022	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
Day Ahead Market	44.40	44.04	0.70	0.70	0.00	F 00	7.00	0.40	7.00	0.57		
10 Min Spin Long Island (K)	14.40	11.34	6.76	6.79	6.32	5.88	7.92	8.10	7.22	8.57		
10 Min Spin NYC (J)	15.32	12.52	7.29	6.80	7.01	6.12	11.61	10.41	7.81	9.10		
10 Min Spin SENY (GHI)	14.40	11.34	6.76	6.79	6.32	5.88	7.92	8.10	7.22	8.57		
10 Min Spin East (F)	14.37	11.30	6.74	6.70	6.28	5.87	7.68	7.88	7.07	8.49		
10 Min Spin West (ABCDE)	12.74	8.93	5.48	5.01	4.34	4.99	5.91	5.53	5.84	6.11		
10 Min Non Synch Long Island (K)	9.70	9.48	5.68	4.87	4.68	4.83	7.24	6.13	5.65	6.41		
10 Min Non Synch NYC (J)	10.61	10.66	6.20	4.89	5.38	5.07	10.93	8.44	6.25	6.94		
10 Min Non Synch SENY (GHI)	9.70	9.48	5.68	4.87	4.68	4.83	7.24	6.13	5.65	6.41		
10 Min Non Synch East (F)	9.66	9.44	5.66	4.78	4.64	4.82	7.00	5.90	5.51	6.32		
10 Min Non Synch West (ABCDE)	8.88	7.35	4.66	4.50	4.15	4.60	5.69	5.16	5.08	5.15		
30 Min Long Island (K)	8.92	7.40	4.67	4.59	4.19	4.61	5.93	5.36	5.22	5.23		
30 Min NYC (J)	8.95	7.42	4.67	4.59	4.21	4.61	6.18	5.46	5.22	5.23		
30 Min SENY (GHI)	8.92	7.40	4.67	4.59	4.19	4.61	5.93	5.36	5.22	5.23		
30 Min East (F)	8.88	7.35	4.66	4.50	4.15	4.60	5.69	5.13	5.08	5.15		
30 Min West (ABCDE)	8.88	7.35	4.66	4.50	4.15	4.60	5.69	5.13	5.08	5.15		
Regulation	35.17	19.48	12.56	8.94	10.61	11.49	11.96	12.58	12.68	11.31		
<u>2021</u>	<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	<u>January</u>	<u>February</u>	<u>March</u>			<u>June</u>			-	<u>October</u>		<u>December</u>
	4.61	7.85	4.46	3.80	3.78	3.91	3.80	4.06	4.05	6.61	6.27	December 5.33
Day Ahead Market			·						-			
<u>Day Ahead Market</u> 10 Min Spin Long Island (K)	4.61	7.85	4.46	3.80	3.78	3.91	3.80	4.06	4.05	6.61	6.27	5.33
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J)	4.61 4.68	7.85 8.01	4.46 4.46	3.80 3.81	3.78 3.80	3.91 4.38	3.80 4.14	4.06 4.51	4.05 4.19	6.61 6.69	6.27 6.60	5.33 5.56
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	4.61 4.68 4.61	7.85 8.01 7.85	4.46 4.46 4.46	3.80 3.81 3.80	3.78 3.80 3.78	3.91 4.38 3.91	3.80 4.14 3.80	4.06 4.51 4.06	4.05 4.19 4.05	6.61 6.69 6.61	6.27 6.60 6.27	5.33 5.56 5.33
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	4.61 4.68 4.61 4.61	7.85 8.01 7.85 7.85	4.46 4.46 4.46 4.46	3.80 3.81 3.80 3.80	3.78 3.80 3.78 3.78	3.91 4.38 3.91 3.89	3.80 4.14 3.80 3.64	4.06 4.51 4.06 3.87	4.05 4.19 4.05 3.92	6.61 6.69 6.61 6.49	6.27 6.60 6.27 6.26	5.33 5.56 5.33 5.32
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	4.61 4.68 4.61 4.61 4.01	7.85 8.01 7.85 7.85 6.68	4.46 4.46 4.46 4.07	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)	4.61 4.68 4.61 4.61 4.01 3.32 3.40	7.85 8.01 7.85 7.85 6.68 5.58 5.74	4.46 4.46 4.46 4.46 4.07 3.60 3.60	3.80 3.81 3.80 3.80 3.56 3.25 3.26	3.78 3.80 3.78 3.78 3.43 3.27 3.30	3.91 4.38 3.91 3.89 3.64 3.47 3.93	3.80 4.14 3.80 3.64 3.40 3.46 3.80	4.06 4.51 4.06 3.87 3.54 3.68 4.14	4.05 4.19 4.05 3.92 3.62 3.47 3.60	6.61 6.69 6.61 6.49 4.84 4.56 4.64	6.27 6.60 6.27 6.26 4.75 4.37 4.69	5.33 5.56 5.33 5.32 3.97 3.82 4.05
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58	4.46 4.46 4.46 4.07 3.60 3.60 3.60	3.80 3.81 3.80 3.80 3.56 3.25 3.26 3.25	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.32	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58	4.46 4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.60	3.80 3.81 3.80 3.56 3.25 3.26 3.25 3.25 3.25	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.27	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46 3.31	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.32 3.22	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58 5.58	4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.57	3.80 3.81 3.80 3.56 3.25 3.25 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	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81 3.70
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.32 3.22 3.22	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58 5.25	4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.57 3.57	3.80 3.81 3.80 3.56 3.25 3.26 3.25 3.25 3.19 3.19	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.27 3.17	3.91 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 3.22 3.22 3.22 3.22 3.23 3.23	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58 5.25 5.25 5.25	4.46 4.46 4.46 4.46 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	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.27 3.17 3.17 3.18	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45 3.31 3.33 3.53	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46 3.31 3.19 3.34 3.40	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50 3.31 3.49 3.62	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34 3.27 3.41 3.41	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44 4.14 4.25 4.27	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37 4.35 4.01 4.02	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81 3.70 3.71
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min SENY (J) 30 Min SENY (GHI)	4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.22 3.22 3.22 3.22 3.23 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 3.18 3.17	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45 3.31 3.33 3.53 3.33 3.31	3.80 4.14 3.80 3.64 3.40 3.46 3.80 3.46 3.31 3.19 3.34 3.40 3.34 3.19	4.06 4.51 4.06 3.87 3.54 3.68 4.14 3.68 3.50 3.31 3.49 3.62 3.49 3.31	4.05 4.19 4.05 3.92 3.62 3.47 3.60 3.47 3.34 3.27 3.41 3.41 3.41 3.27	6.61 6.69 6.61 6.49 4.84 4.56 4.64 4.56 4.44 4.14 4.25 4.27 4.25	6.27 6.60 6.27 6.26 4.75 4.37 4.69 4.37 4.35 4.01 4.02 4.02	5.33 5.56 5.33 5.32 3.97 3.82 4.05 3.82 3.81 3.70 3.71 3.71 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 3.23	7.85 8.01 7.85 7.85 6.68 5.58 5.74 5.58 5.58 5.25 5.25 5.25	4.46 4.46 4.46 4.07 3.60 3.60 3.60 3.57 3.57 3.57 3.57	3.80 3.81 3.80 3.56 3.25 3.26 3.25 3.25 3.19 3.19 3.19 3.19	3.78 3.80 3.78 3.78 3.43 3.27 3.30 3.27 3.27 3.17 3.17 3.18 3.17	3.91 4.38 3.91 3.89 3.64 3.47 3.93 3.47 3.45 3.31 3.33 3.53 3.33	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 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 3.81 3.70 3.71 3.71

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

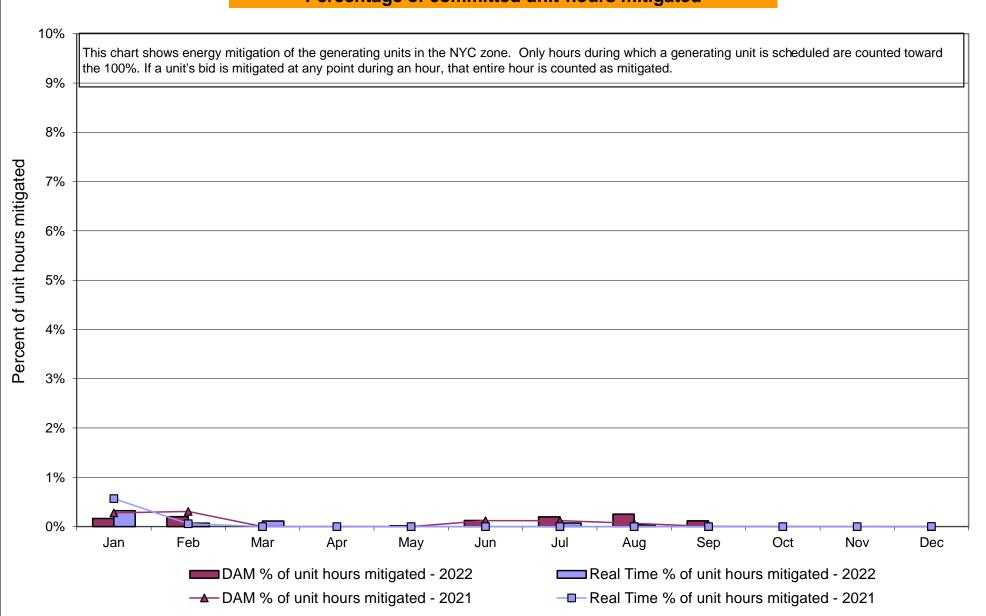
2022 RTC Market	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
10 Min Spin Long Island (K)	11.75	7.55	4.73	2.39	3.15	5.06	4.34	6.79	2.49	1.72		
10 Min Spin NYC (J)	11.75	7.81	4.92	2.53	3.72	5.51	4.88	8.90	2.71	1.87		
10 Min Spin SENY (GHI)	11.75	7.55	4.73	2.39	3.15	5.06	4.34	6.79	2.49	1.72		
10 Min Spin East (F)	11.68	7.55	4.71	2.36	2.98	4.03	4.03	5.27	2.29	1.72		
10 Min Spin West (ABCDE)	7.59	5.49	1.27	1.03	1.75	2.47	1.58	3.05	0.99	0.40		
10 Min Non Synch Long Island (K)	3.67	0.69	2.97	0.37	1.47	2.88	3.19	4.89	0.92	0.07		
10 Min Non Synch NYC (J)	3.67	0.95	3.16	0.51	2.04	3.34	3.73	7.00	1.13	0.21		
10 Min Non Synch SENY (GHI)	3.67	0.69	2.97	0.37	1.47	2.88	3.19	4.89	0.92	0.07		
10 Min Non Synch East (F)	3.60	0.69	2.96	0.33	1.31	1.86	2.88	3.37	0.72	0.07		
10 Min Non Synch West (ABCDE)	1.79	0.24	0.29	0.30	1.00	1.58	1.33	2.13	0.28	0.02		
30 Min Long Island (K)	1.55	0.24	0.23	0.34	1.17	2.61	1.77	3.65	0.47	0.02		
30 Min NYC (J)	1.55	0.24	0.31	0.34	1.34	2.74	1.85	4.43	0.52	0.02		
30 Min SENY (GHI)	1.55	0.24	0.31	0.34	1.17	2.61	1.77	3.65	0.47	0.02		
30 Min East (F)	1.48	0.24	0.29	0.30	1.00	1.58	1.46	2.13	0.28	0.02		
30 Min West (ABCDE)	1.48	0.24	0.29	0.30	1.00	1.58	1.33	2.13	0.28	0.02		
Regulation	31.59	17.95	12.23	7.77	8.36	14.11	7.96	9.46	12.79	8.03		
NYCA Regulation Movement	0.16	0.17	0.14	0.10	0.13	0.20	0.18	0.23	0.22	0.16		
N TOA Regulation Movement	0.10	0.17	0.14	0.10	0.13	0.20	0.10	0.23	0.22	0.10		
2021	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	<u>December</u>
RTC Market				•	-		-					
RTC Market 10 Min Spin Long Island (K)	1.65	1.53	1.29	0.58	0.61	2.86	1.25	2.21	1.04	1.59	2.18	2.42
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J)	1.65 1.65	1.53 1.53	1.29 1.29	0.58 0.58	0.61 0.91	2.86 4.26	1.25 1.34	2.21 2.59	1.04	1.59 1.63	2.18 2.48	2.42 2.48
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	1.65 1.65 1.65	1.53 1.53 1.53	1.29 1.29 1.29	0.58 0.58 0.58	0.61 0.91 0.61	2.86 4.26 2.86	1.25 1.34 1.25	2.21 2.59 2.21	1.04 1.37 1.04	1.59 1.63 1.59	2.18 2.48 2.18	2.42 2.48 2.42
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	1.65 1.65 1.65 1.65	1.53 1.53 1.53 1.53	1.29 1.29 1.29 1.29	0.58 0.58 0.58 0.58	0.61 0.91 0.61 0.61	2.86 4.26 2.86 2.73	1.25 1.34 1.25 1.14	2.21 2.59 2.21 2.01	1.04 1.37 1.04 0.64	1.59 1.63 1.59 1.57	2.18 2.48 2.18 2.18	2.42 2.48 2.42 2.42
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	1.65 1.65 1.65 1.65 1.16	1.53 1.53 1.53 1.53 0.93	1.29 1.29 1.29 1.29 0.88	0.58 0.58 0.58 0.58 0.22	0.61 0.91 0.61 0.61 0.07	2.86 4.26 2.86 2.73 1.51	1.25 1.34 1.25 1.14 0.32	2.21 2.59 2.21 2.01 1.69	1.04 1.37 1.04 0.64 0.11	1.59 1.63 1.59 1.57 0.30	2.18 2.48 2.18 2.18 0.82	2.42 2.48 2.42 2.42 1.22
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K)	1.65 1.65 1.65 1.65 1.16 0.49	1.53 1.53 1.53 1.53 0.93 0.00	1.29 1.29 1.29 1.29 0.88 0.02	0.58 0.58 0.58 0.58 0.22 0.00	0.61 0.91 0.61 0.61 0.07 0.05	2.86 4.26 2.86 2.73 1.51 2.40	1.25 1.34 1.25 1.14 0.32 1.11	2.21 2.59 2.21 2.01 1.69 2.02	1.04 1.37 1.04 0.64 0.11 0.45	1.59 1.63 1.59 1.57 0.30 0.09	2.18 2.48 2.18 2.18 0.82 0.29	2.42 2.48 2.42 2.42 1.22 0.05
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J)	1.65 1.65 1.65 1.65 1.16 0.49	1.53 1.53 1.53 1.53 0.93 0.00	1.29 1.29 1.29 1.29 0.88 0.02 0.02	0.58 0.58 0.58 0.58 0.22 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35	2.86 4.26 2.86 2.73 1.51 2.40 3.80	1.25 1.34 1.25 1.14 0.32 1.11 1.20	2.21 2.59 2.21 2.01 1.69 2.02 2.40	1.04 1.37 1.04 0.64 0.11 0.45 0.79	1.59 1.63 1.59 1.57 0.30 0.09 0.13	2.18 2.48 2.18 2.18 0.82 0.29 0.59	2.42 2.48 2.42 2.42 1.22 0.05 0.11
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI)	1.65 1.65 1.65 1.65 1.16 0.49 0.49	1.53 1.53 1.53 1.53 0.93 0.00 0.00	1.29 1.29 1.29 1.29 0.88 0.02 0.02	0.58 0.58 0.58 0.58 0.58 0.22 0.00 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40	1.25 1.34 1.25 1.14 0.32 1.11 1.20	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02	1.04 1.37 1.04 0.64 0.11 0.45 0.79	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.49	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02 0.02	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.29 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05 0.00
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.49 0.26 0.10	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00 0.00	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02 0.01	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05 0.00	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42 1.56	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30 0.36	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67 1.86	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05 0.07	2.18 2.48 2.18 2.18 2.18 0.82 0.29 0.59 0.29 0.29 0.05 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05 0.00 0.00
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.26 0.10	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02 0.01 0.01	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00 0.00 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05 0.00 0.00	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42 1.56 2.34	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30 0.36 0.37	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67 1.86 1.90	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04 0.44	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05 0.07	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.05 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05 0.00 0.00
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.49 0.26 0.10	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02 0.01 0.01 0.01	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05 0.00 0.00 0.12	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42 1.56 2.34 1.56	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30 0.36 0.37 0.36	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67 1.86 1.90 1.86	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05 0.07	2.18 2.48 2.18 0.82 0.29 0.59 0.29 0.05 0.05 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05 0.00 0.00
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min SENY (GHI)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.49 0.26 0.10 0.10	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02 0.01 0.01 0.01	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05 0.00 0.00 0.12 0.00	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42 1.56 2.34 1.56 1.42	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30 0.36 0.37 0.36 0.26	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67 1.86 1.90 1.86	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04 0.44 0.46 0.44	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05 0.07 0.07	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.05 0.05 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.00 0.00 0.00 0.00
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min SENY (GHI) 30 Min SENY (GHI)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.26 0.10 0.10 0.10	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.01 0.01 0.01 0.01	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.00 0.00 0.12 0.00 0.00	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42 1.56 2.34 1.56 1.42	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30 0.36 0.37 0.36 0.26 0.26	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67 1.86 1.90 1.86 1.67	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04 0.44 0.44 0.46 0.44	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05 0.07 0.07 0.05 0.07	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.05 0.05 0.05 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.05 0.00 0.00 0.00 0.00
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min SENY (GHI)	1.65 1.65 1.65 1.65 1.16 0.49 0.49 0.49 0.49 0.26 0.10 0.10	1.53 1.53 1.53 1.53 0.93 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.29 1.29 1.29 1.29 0.88 0.02 0.02 0.02 0.02 0.01 0.01 0.01	0.58 0.58 0.58 0.58 0.22 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.61 0.91 0.61 0.61 0.07 0.05 0.35 0.05 0.05 0.00 0.00 0.12 0.00	2.86 4.26 2.86 2.73 1.51 2.40 3.80 2.40 2.27 1.42 1.56 2.34 1.56 1.42	1.25 1.34 1.25 1.14 0.32 1.11 1.20 1.11 1.01 0.30 0.36 0.37 0.36 0.26	2.21 2.59 2.21 2.01 1.69 2.02 2.40 2.02 1.83 1.67 1.86 1.90 1.86	1.04 1.37 1.04 0.64 0.11 0.45 0.79 0.45 0.06 0.04 0.44 0.46 0.44	1.59 1.63 1.59 1.57 0.30 0.09 0.13 0.09 0.07 0.05 0.07	2.18 2.48 2.18 2.18 0.82 0.29 0.59 0.29 0.05 0.05 0.05	2.42 2.48 2.42 2.42 1.22 0.05 0.11 0.05 0.00 0.00 0.00 0.00

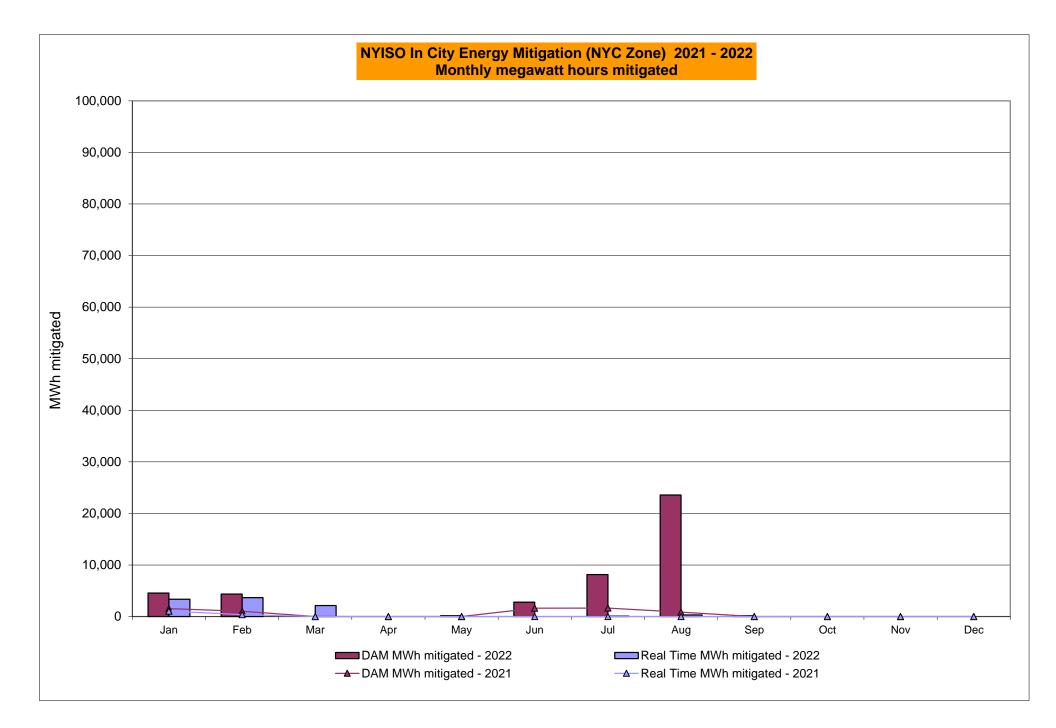
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RT

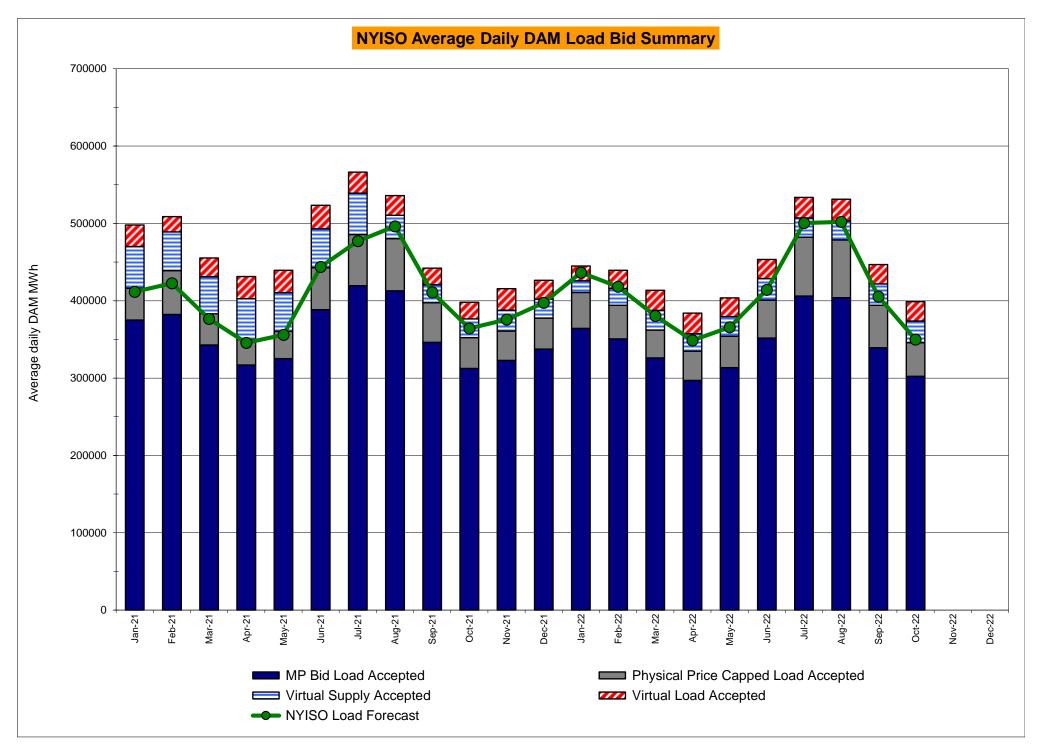
<u>2022</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	<u>December</u>
Real Time Market												
10 Min Spin Long Island (K)	17.99	9.02	6.90	3.15	2.68	4.93	6.01	10.69	3.49	3.23		
10 Min Spin NYC (J)	18.04	9.27	7.04	3.27	3.17	5.46	6.66	12.88	3.74	3.41		
10 Min Spin SENY (GHI)	17.99	9.02	6.90	3.15	2.68	4.93	6.01	10.69	3.49	3.23		
10 Min Spin East (F)	17.97	9.02	6.90	3.15	2.62	4.39	5.65	8.61	3.27	3.22		
10 Min Spin West (ABCDE)	13.47	7.56	2.14	1.83	1.76	3.13	2.70	5.68	1.84	1.40		
10 Min Non Synch Long Island (K)	5.34	0.59	4.05	0.40	0.43	2.42	4.26	6.67	0.81	0.38		
10 Min Non Synch NYC (J)	5.40	0.84	4.19	0.51	0.92	2.95	4.90	8.85	1.06	0.56		
10 Min Non Synch SENY (GHI)	5.34	0.59	4.05	0.40	0.43	2.42	4.26	6.67	0.81	0.38		
10 Min Non Synch East (F)	5.33	0.59	4.05	0.40	0.37	1.88	3.90	4.58	0.59	0.37		
10 Min Non Synch West (ABCDE)	2.46	0.20	0.19	0.29	0.34	1.51	1.79	2.37	0.25	0.01		
30 Min Long Island (K)	1.42	0.20	0.16	0.29	0.40	2.05	2.28	4.29	0.47	0.01		
30 Min NYC (J)	1.42	0.20	0.16	0.29	0.56	2.20	2.41	5.15	0.52	0.01		
30 Min SENY (GHI)	1.42	0.20	0.16	0.29	0.40	2.05	2.28	4.29	0.47	0.01		
30 Min East (F)	1.41	0.20	0.16	0.29	0.34	1.51	1.92	2.21	0.25	0.01		
30 Min West (ABCDE)	1.41	0.20	0.16	0.29	0.34	1.51	1.79	2.21	0.25	0.01		
Regulation	33.92	18.10	11.81	8.22	8.23	11.84	8.95	11.52	11.36	8.91		
NYCA Regulation Movement	0.16	0.17	0.15	0.10	0.13	0.20	0.18	0.23	0.23	0.16		

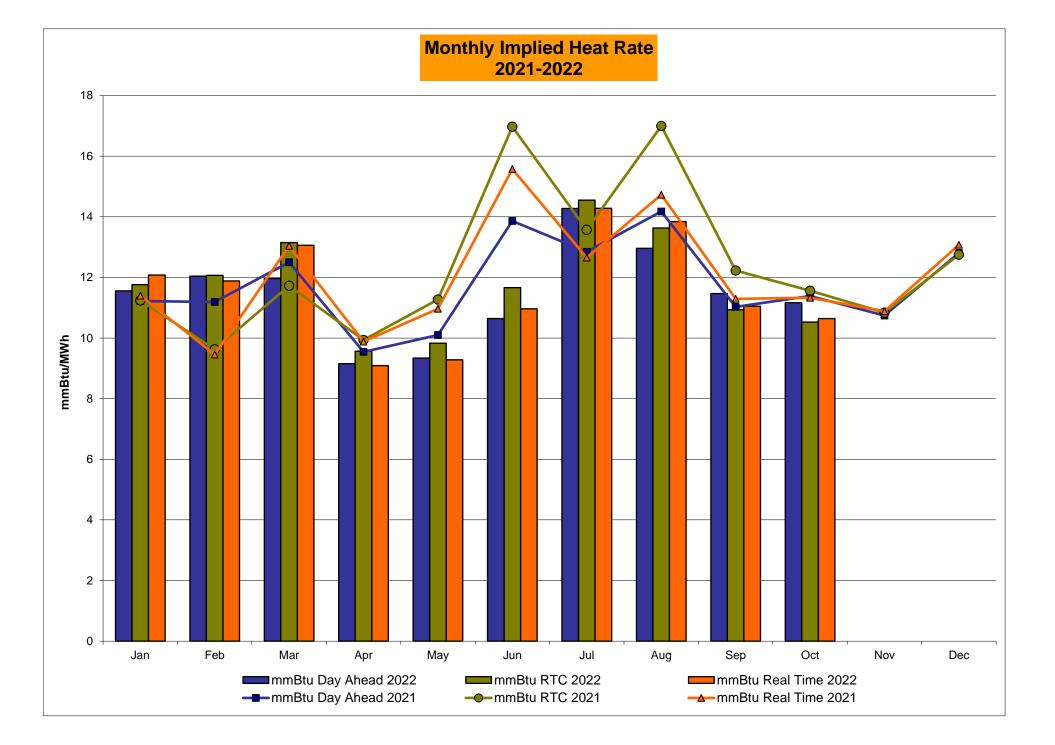
2021	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Real Time Market			<u></u> -	· 	-		-		 -		· · · · · · · · · · · · · · · · · · ·	·
Real Time Market 10 Min Spin Long Island (K)	3.75	2.96	3.57	1.51	0.90	2.38	1.67	1.38	0.80	2.62	4.53	4.99
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J)	3.75 3.75	2.96 2.96	3.57 3.57	1.51 1.51	0.90 1.16	2.38 3.77	1.67 1.78	1.38 1.71	0.80 1.13	2.62 2.70	4.53 4.90	4.99 5.07
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	3.75 3.75 3.75	2.96 2.96 2.96	3.57 3.57 3.57	1.51 1.51 1.51	0.90 1.16 0.90	2.38 3.77 2.38	1.67 1.78 1.67	1.38 1.71 1.38	0.80 1.13 0.80	2.62 2.70 2.62	4.53 4.90 4.53	4.99 5.07 4.99
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	3.75 3.75 3.75 3.75	2.96 2.96 2.96 2.96	3.57 3.57 3.57 3.57	1.51 1.51 1.51 1.51	0.90 1.16 0.90 0.90	2.38 3.77 2.38 2.35	1.67 1.78 1.67 1.60	1.38 1.71 1.38 1.28	0.80 1.13 0.80 0.52	2.62 2.70 2.62 2.59	4.53 4.90 4.53 4.53	4.99 5.07 4.99 4.99
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	3.75 3.75 3.75 3.75 2.64	2.96 2.96 2.96 2.96 2.03	3.57 3.57 3.57 3.57 2.78	1.51 1.51 1.51 1.51 0.49	0.90 1.16 0.90 0.90 0.15	2.38 3.77 2.38 2.35 1.25	1.67 1.78 1.67 1.60 0.39	1.38 1.71 1.38 1.28 0.99	0.80 1.13 0.80 0.52 0.16	2.62 2.70 2.62 2.59 1.01	4.53 4.90 4.53 4.53 2.75	4.99 5.07 4.99 4.99 3.49
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K)	3.75 3.75 3.75 3.75 2.64 1.13	2.96 2.96 2.96 2.96 2.03 0.02	3.57 3.57 3.57 3.57 2.78 0.03	1.51 1.51 1.51 1.51 0.49 0.12	0.90 1.16 0.90 0.90 0.15 0.16	2.38 3.77 2.38 2.35 1.25 1.68	1.67 1.78 1.67 1.60 0.39 1.44	1.38 1.71 1.38 1.28 0.99 1.06	0.80 1.13 0.80 0.52 0.16 0.32	2.62 2.70 2.62 2.59 1.01 0.10	4.53 4.90 4.53 4.53 2.75 0.26	4.99 5.07 4.99 4.99 3.49 0.21
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J)	3.75 3.75 3.75 3.75 2.64 1.13 1.13	2.96 2.96 2.96 2.96 2.03 0.02 0.02	3.57 3.57 3.57 3.57 2.78 0.03 0.03	1.51 1.51 1.51 1.51 0.49 0.12 0.12	0.90 1.16 0.90 0.90 0.15 0.16 0.42	2.38 3.77 2.38 2.35 1.25 1.68 3.07	1.67 1.78 1.67 1.60 0.39 1.44 1.56	1.38 1.71 1.38 1.28 0.99 1.06 1.39	0.80 1.13 0.80 0.52 0.16 0.32 0.64	2.62 2.70 2.62 2.59 1.01 0.10 0.18	4.53 4.90 4.53 4.53 2.75 0.26 0.63	4.99 5.07 4.99 4.99 3.49 0.21 0.29
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI)	3.75 3.75 3.75 3.75 2.64 1.13 1.13	2.96 2.96 2.96 2.96 2.03 0.02 0.02	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12	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 1.06	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 0.21
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13	2.96 2.96 2.96 2.03 0.02 0.02 0.02	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.16	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04	2.62 2.70 2.62 2.59 1.01 0.10 0.18 0.10 0.07	4.53 4.90 4.53 4.53 2.75 0.26 0.63 0.26 0.26	4.99 5.07 4.99 4.99 3.49 0.21 0.29 0.21 0.21
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	3.75 3.75 3.75 3.75 2.64 1.13 1.13 1.13 0.40	2.96 2.96 2.96 2.03 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	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	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 0.40 0.05 0.05	2.96 2.96 2.96 2.96 2.03 0.02 0.02 0.02 0.02 0.00 0.00	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.02 0.02	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12 0.01 0.00 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.16 0.02 0.02	2.38 3.77 2.38 2.35 1.25 1.68 3.07 1.68 1.65 1.04 1.06 1.84	1.67 1.78 1.67 1.60 0.39 1.44 1.56 1.44 1.38 0.27 0.35 0.36	1.38 1.71 1.38 1.28 0.99 1.06 1.39 1.06 0.97 0.82 0.91	0.80 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) 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 2.98 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 0.02 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	1.67 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 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 0.00 0.00 0.00 0.00	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.02 0.02 0.02	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12 0.00 0.00 0.00 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.16 0.02 0.02 0.02	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 0.91 0.82	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03 0.31 0.31	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	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 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 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 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 0.00 0.00 0.00 0.00	3.57 3.57 3.57 3.57 2.78 0.03 0.03 0.03 0.03 0.02 0.02 0.02	1.51 1.51 1.51 1.51 0.49 0.12 0.12 0.12 0.12 0.00 0.00 0.00 0.00	0.90 1.16 0.90 0.90 0.15 0.16 0.42 0.16 0.16 0.02 0.02 0.02	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 0.91 0.82	0.80 1.13 0.80 0.52 0.16 0.32 0.64 0.32 0.04 0.03 0.31 0.31	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	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

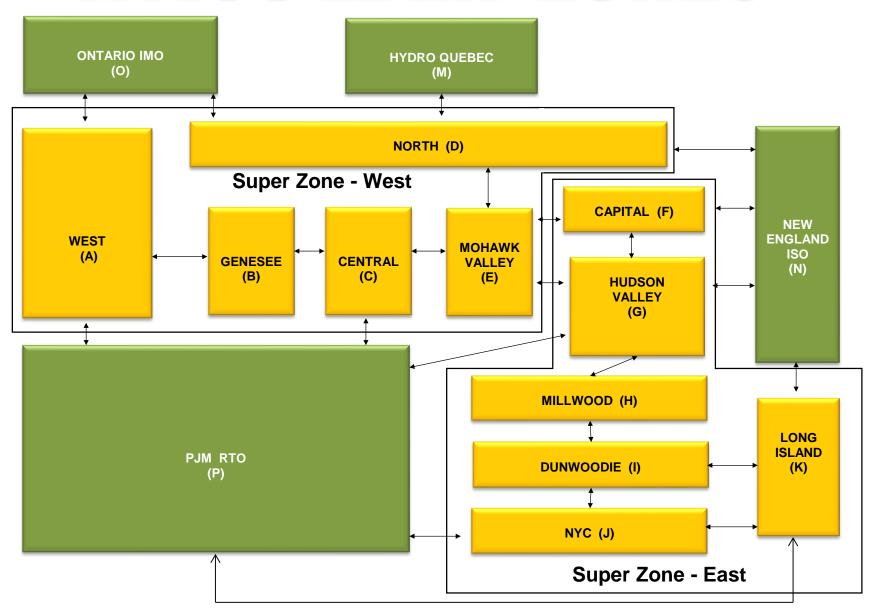








NYISO LBMP ZONES

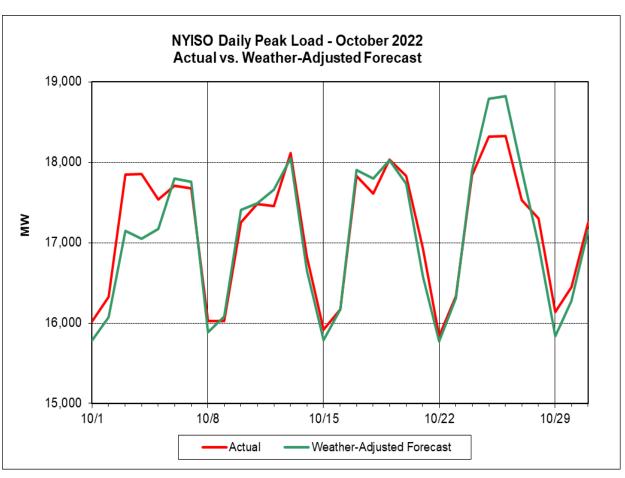


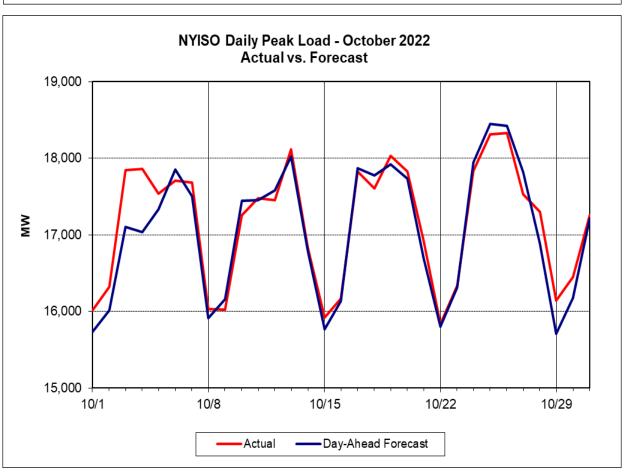
Market Mitigation and Analysis Prepared: 11/9/2022 2:15 PM

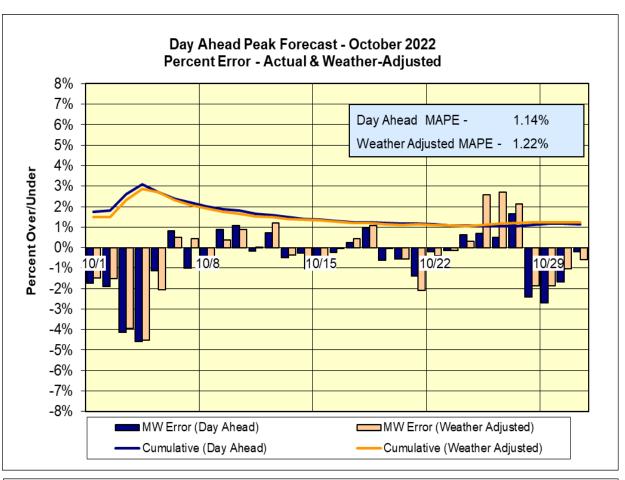
Billing Codes for Chart C

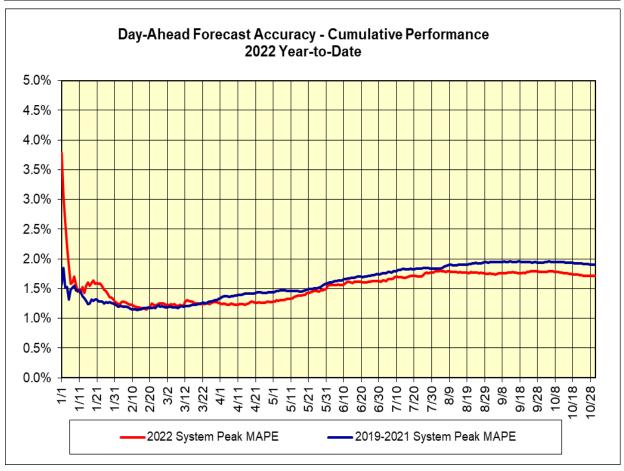
Chart - C Category Name	Billing Code	Billing Category Name
Bid Production Cost Guarantee Balancing	81203	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81204	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee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

Market Mitigation and Analysis Prepared: 11/9/2022 2:15 PM









Summary Description of Regulatory Filings, Investigations, Rulemakings and Related Orders in NYISO Matters – October 2022

Filing Date	Filing Summary	Docket	Order Summary	Order Date
05/27/2022	NYISO filing to FERC on behalf of Niagara Mohawk of a compliance filing in response to FERC's March 31, 2022 order on Niagara Mohawk's Order No. 864 compliance filings.	ER20-2051-003	An Order accepted the submission, effective January 27, 2020, as requested.	10/07/2022
08/05/2022	NYISO Section 205 filing to FERC of an Engineering Procurement, and Construction Agreement (SA No. 2723) among the NYISO, KCE NY 6, Niagara Wind Power, Erie Wind, and National Grid, in connection with KCE NY6's battery storage project.	ER22-2605-000	An Order accepted the submission, effective July 22, 2022, as requested.	10/03/2022
08/12/2022	NYISO Section 205 filing to FERC of an Engineering, Procurement, and Construction Agreement (SA No. 2690) for the Dysinger Substation Upgrades, among the NYISO, NextEra Transmission New York, and Excelsior Energy Center.	ER22-2647-000	An Order accepted the submission, effective July 29, 2022, as requested.	10/05/2022
07/18/2022	NYISO filing to FERC of a request for clarification or, in the alternative, for rehearing of FERC's June 17, 2022 order on compliance on the NYISO's Order No. 2222 compliance filing.	ER21-2460-002	An Order denied the NYISO's request and modified the discussion in the June 17 Order, but sustained the same result that it reached the June 17 Order.	10/24/2022

Filing Date	Filing Summary	Docket	Order Summary	Order Date
10/04/2022	Engineering Procurement, and Construction Agreement among NYISO, Central Hudson, and Flint Mine Solar in connection with the Flint Mine Solar project.	ER23-15-000		
10/05/2022	Joint NYISO-NYSEG Section 205 filing to FERC of a Small Generator Interconnection Agreement among NYISO, NYSEG, and SunEast Highview Solar for the Highview Solar Project.	ER23-19-000		
10/06/2022	NYISO filing to FERC of a notice of cancellation of an Engineering Procurement, and Construction Agreement No. 2592 among NYISO, NYPA, and PPM Roaring Brook.	ER23-27-000		
10/07/2022	ISO/RTO Council filing to FERC of initial comments in reply to FERC's NOPR re: Credit Information Sharing	RM22-13-000		
10/11/2022	Joint NYISO-NYSEG Section 205 filing to FERC of an Amended & Restated Small Generator Interconnection Agreement among the NYISO, NYSEG, and SunEast Dog Corners Solar for the Dog Corners Solar project.	ER23-60-000		
10/22/2022	NYISO filing to FERC of comments in support of IPPNY's October 5, 2022 motion to FERC to request expedited action on remand directing that NYISO revise its tariffs to implement updated demand curves using a 17-year amortization period.	ER21-502-004		
10/13/2022	ISO/RTO Council filing to FERC of initial comments in reply to FERC's NOPR re: Generator Interconnection Improvements	RM22-14-000		
10/13/2022	NYISO filing to FERC of initial comments in reply to FERC's NOPR re: Generator Interconnection Improvements	RM22-14-000		
10/13/2022	Joint NYISO-Central Hudson Section 205 filing to FERC of a Large Generator Interconnection Agreement among NYISO, Central Hudson, and KCE NY 2 for the KCE NY 2 Project.	ER23-78-000		
10/13/2022	Joint NYISO-NYSEG Section 205 filing to FERC of a Small Generator Interconnection Agreement among NYISO, NYSEG, and SunEast Valley Solar for the Valley Solar Project.	ER23-77-000		
10/18/2022	NYISO filing to FERC of a report in response to FERC's April 21, 2022 order directing reports related to wholesale markets.	AD21-10-000		

10/20/2022	NYISO filing to FERC of a compliance filing to amend the NYISO's September 3, 2020 compliance filing, regarding technical corrections to the eTariff records.	ER19-467-008	
10/26/2022	NYISO filing to FERC of an answer in response to FERC's July 28, 2022 order to show cause regarding financial transmission rights.	EL22-64-000	
10/27/2022	NYISO filing to FERC, on behalf of LS Power Grid New York (LSPGNY), of a Section 205 filing proposing updates to the depreciation rates in LSPGNY's Formula Rate.	ER23-218-000	
10/31/2022	F	Matter No. 10-02007	