

Monthly Report

A Report by the New York Independent System Operator

August 2023



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August 2023 Report

Operations & Reliability Department New York Independent System Operator



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August 2023 Operations Performance Highlights

Monthly Peak Load	Monthly Minimum Load	Summer 2023 Peak	All-time Summer Peak
08/21/2023 HB 17	08/20/2023 HB 04	07/28/2023 HB 17	07/19/2013 HB 16
24,917 MW	13,510 MW	28,735 MW	33,956 MW

- 0.0 hours of Thunderstorm Alerts were declared
- 14.7 hours of NERC TLR level 3 curtailment

Installed Wind, Solar and Energy Storage Resource Nameplate Values:

Land-Based Wind	Behind-the-Meter	Front-of-the-Meter	Energy Storage
	Solar	Solar	Resource (ESR)
2,521 MW	4,826 MW	174 MW	43 MW

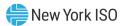
Estimated production cost savings associated with the Broader Regional Market initiatives:

	Current Month	Year-to-Date
	Value (\$M)	Value (\$M)
NY Savings from PJM-NY Congestion Coordination	(\$0.40)	\$11.62
NY Savings from PJM-NY Coordinated Transaction Scheduling	(\$0.12)	(\$0.83)
NY Savings from NE-NY Coordinated Transaction Scheduling	\$0.00	(\$1.48)
Total NY Savings	(\$0.52)	\$9.32
Regional Savings from PJM-NY Coordinated Transaction Scheduling	\$0.25	\$4.31
Regional Savings from NE-NY Coordinated Transaction Scheduling	\$0.09	\$0.67
Total Regional Savings	\$0.33	\$4.98

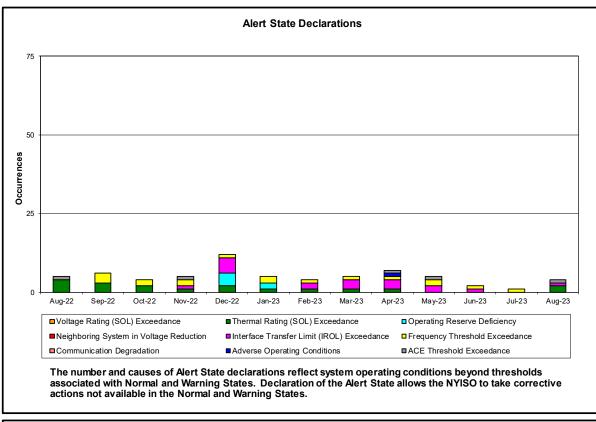
- Statewide uplift cost monthly average was (\$0.03)/MWh.
- The following table identifies the Monthly ICAP spot market prices and the price delta.

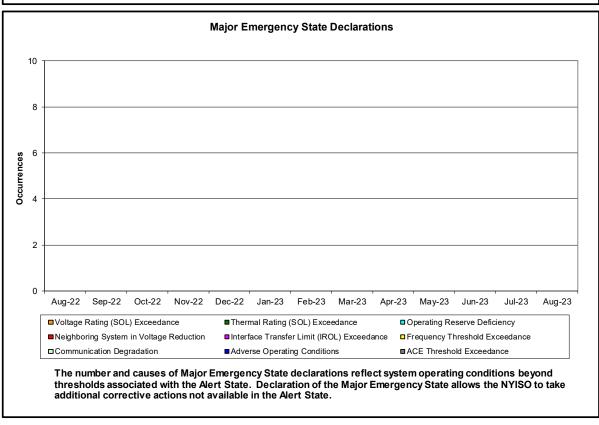
Spot Auction Price Results	NYCA	Lower Hudson Valley Zones	New York City Zone	Long Island Zone
September 2023 Spot Price	\$5.82	\$5.82	\$19.46	\$5.82
August 2023 Spot Price	\$6.01	\$6.01	\$19.46	\$6.01
Delta	(\$0.19)	(\$0.19)	\$0.00	(\$0.19)

Price change was driven by an increase in Generation UCAP.

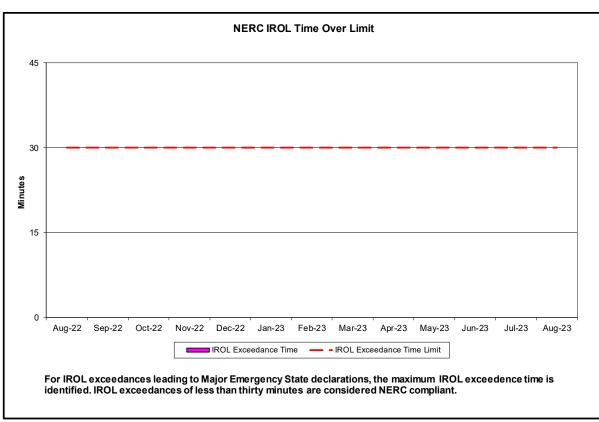


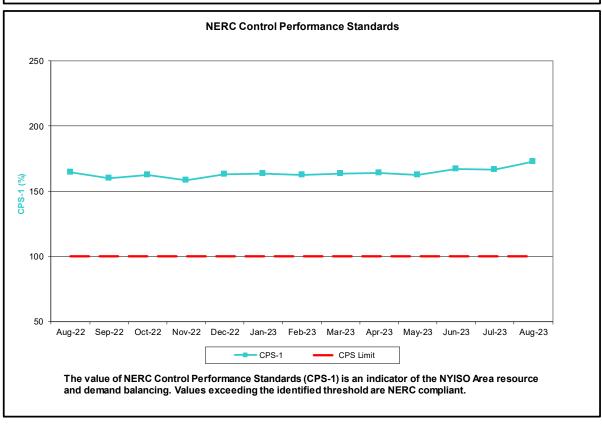
Reliability Performance Metrics



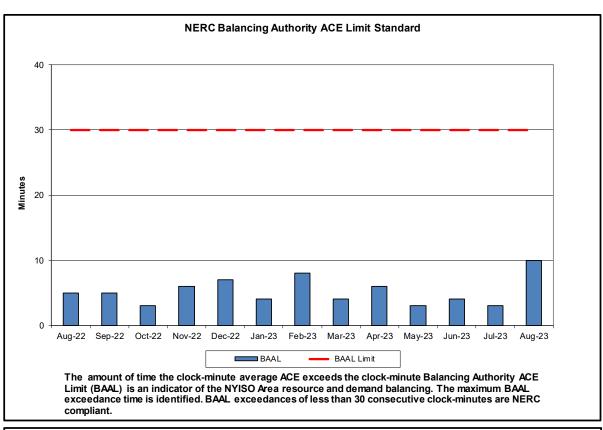


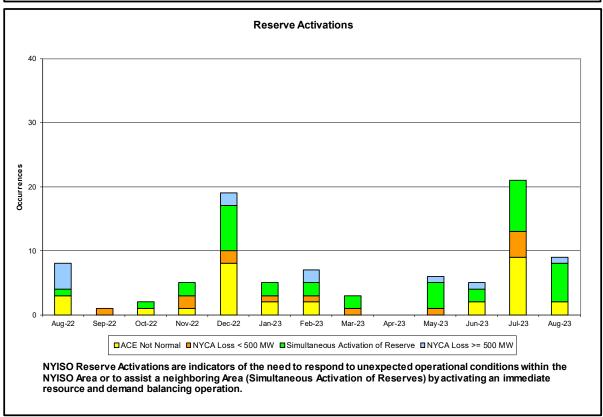




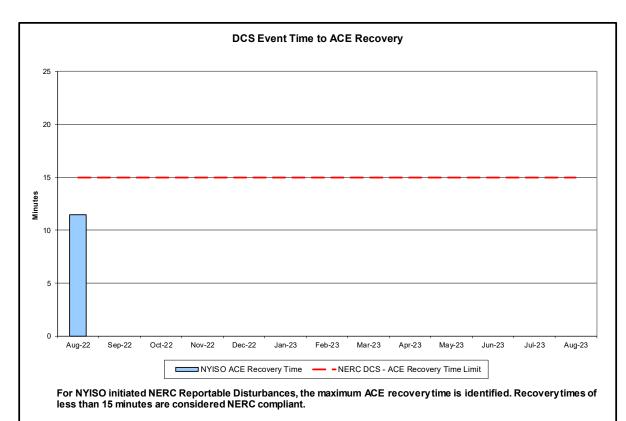


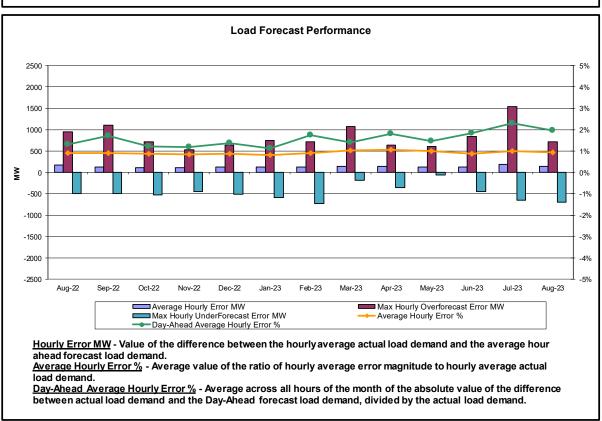




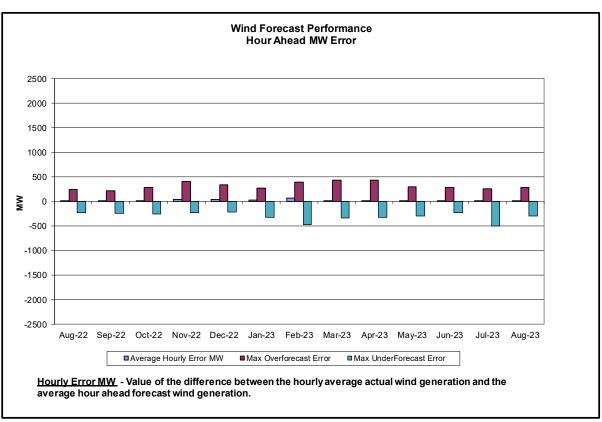


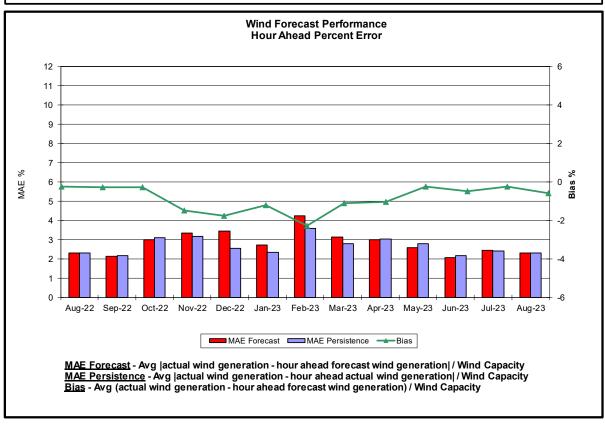




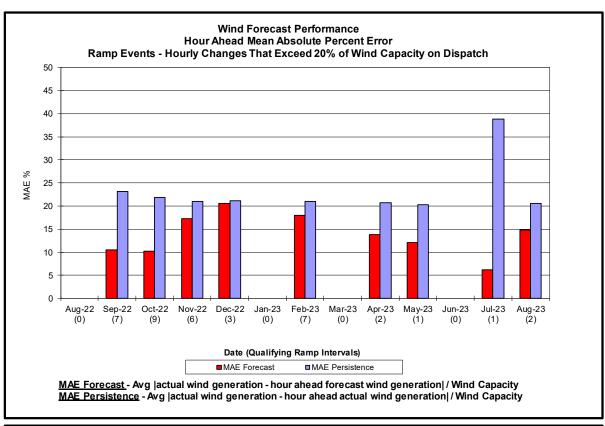


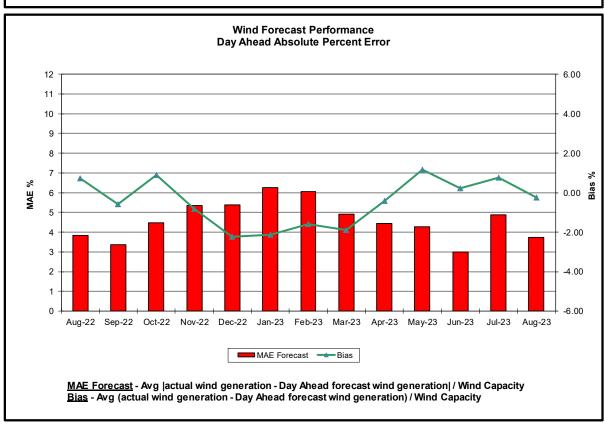




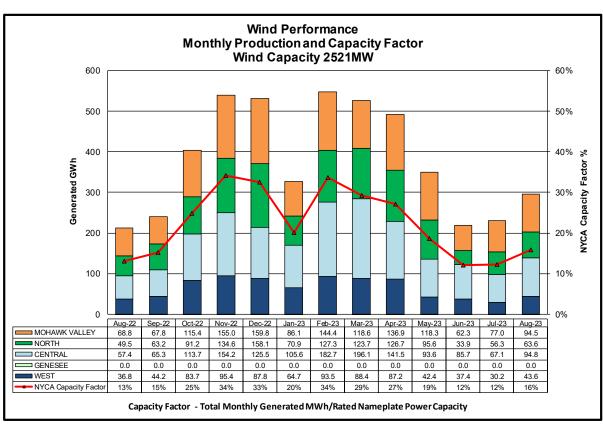


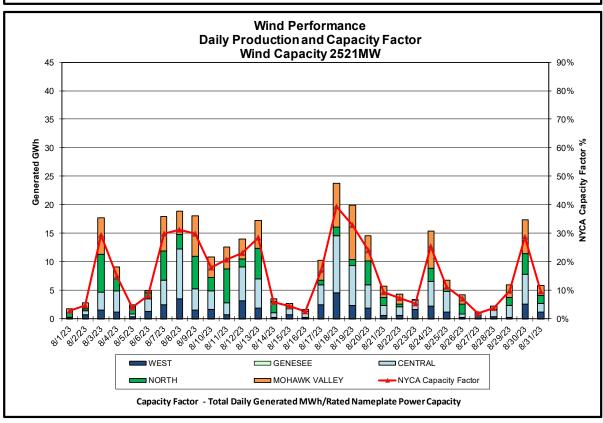




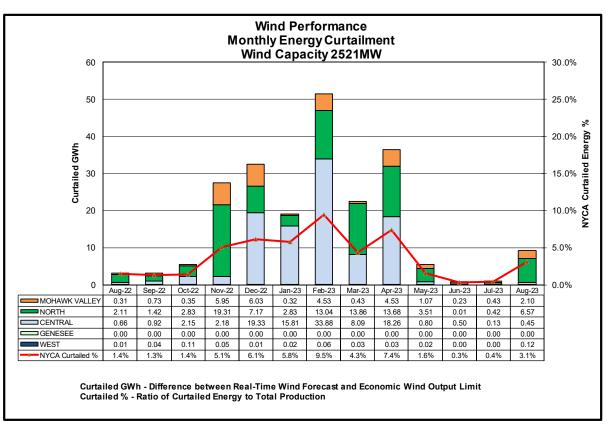


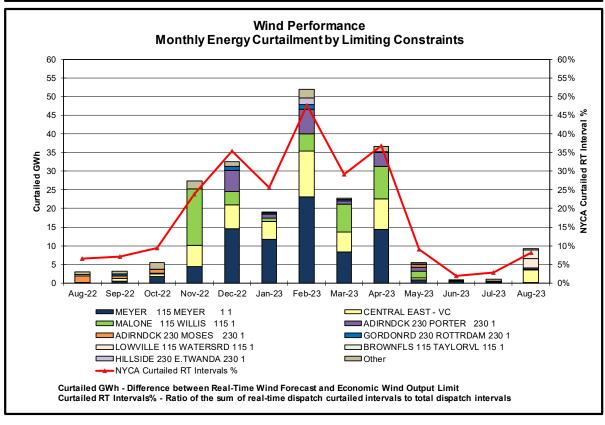




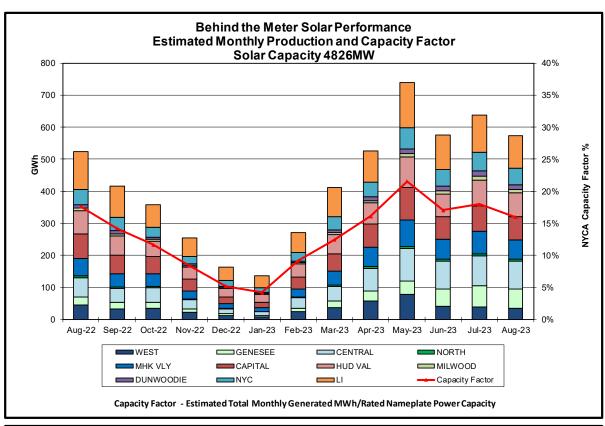


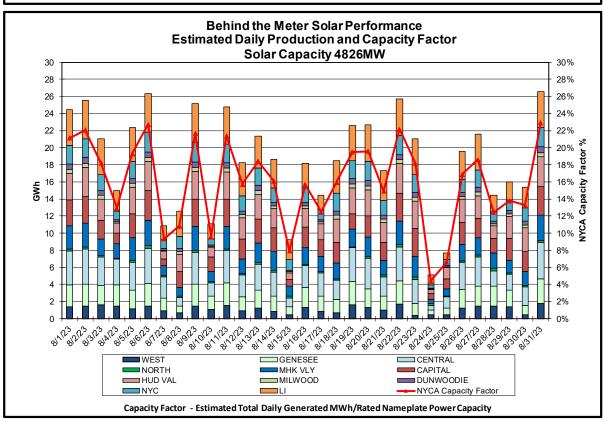




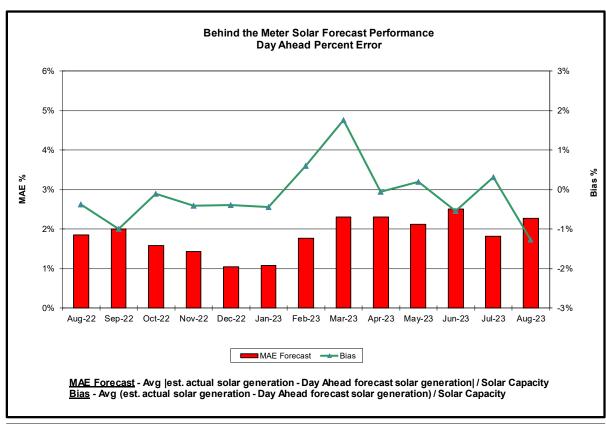


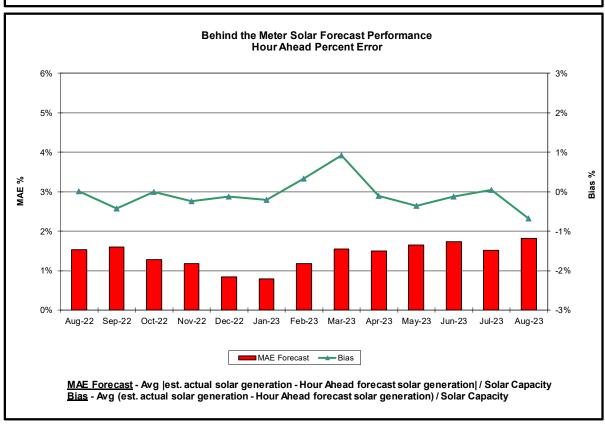




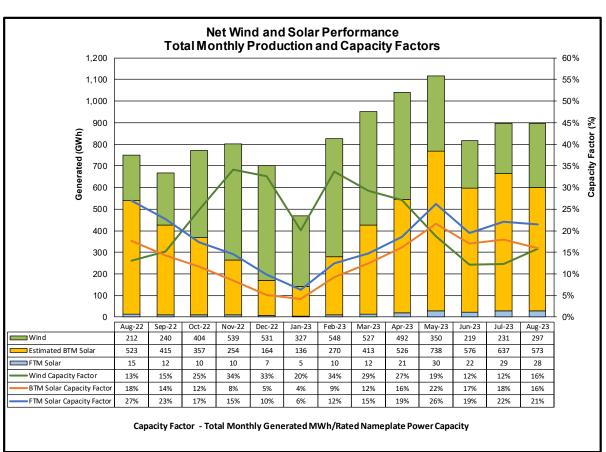


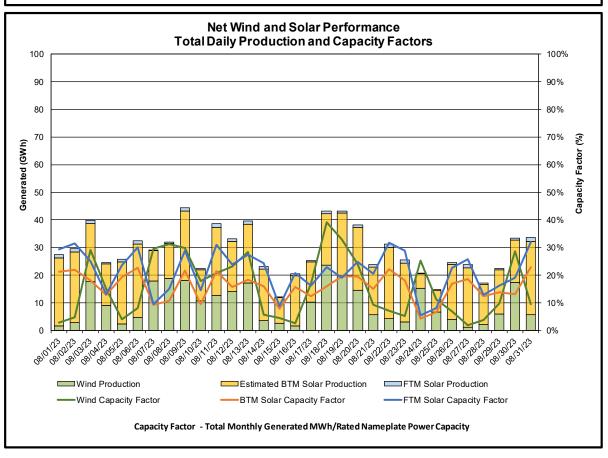




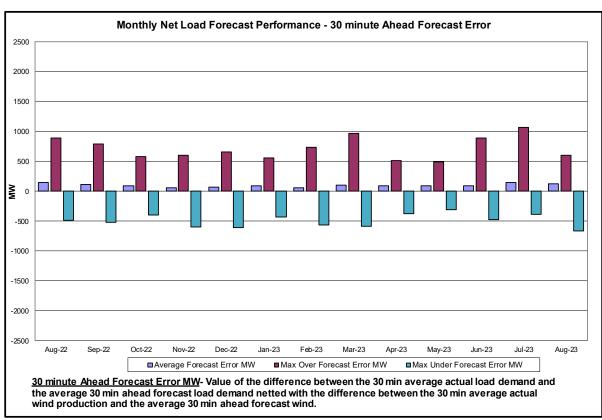


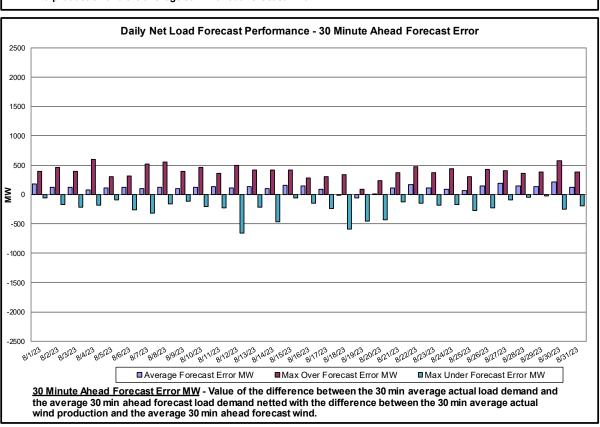




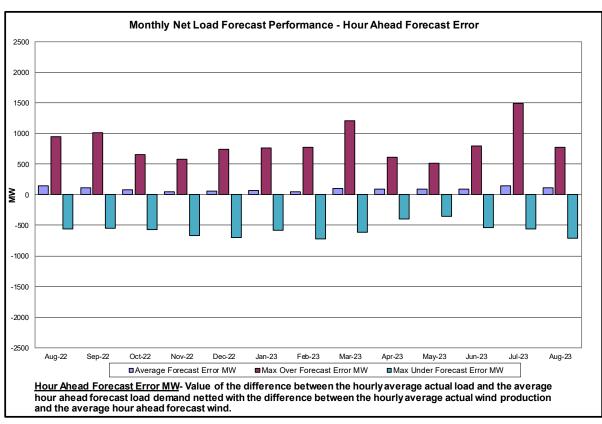


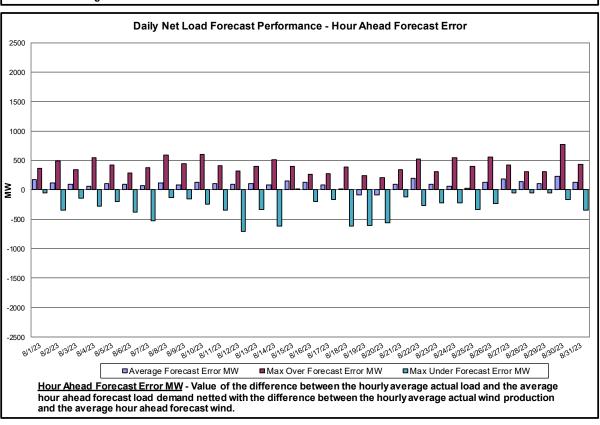




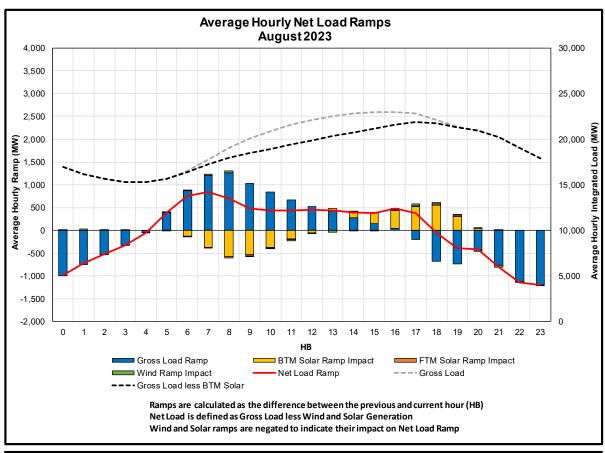


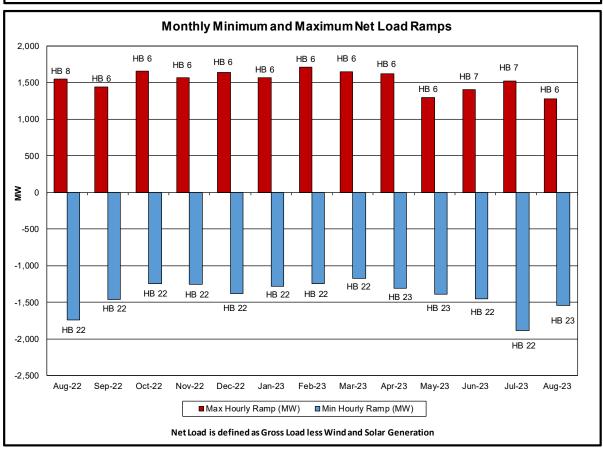




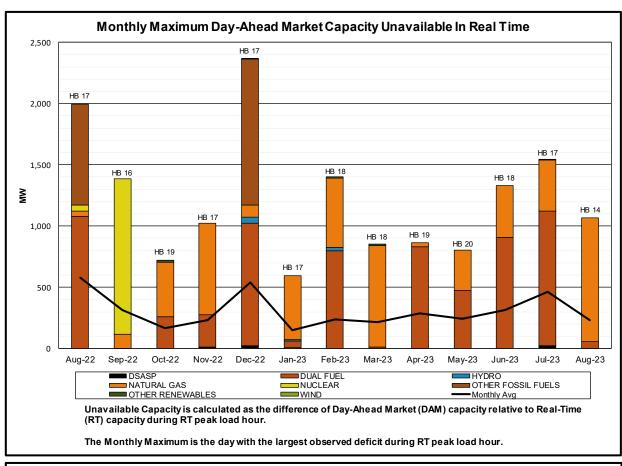


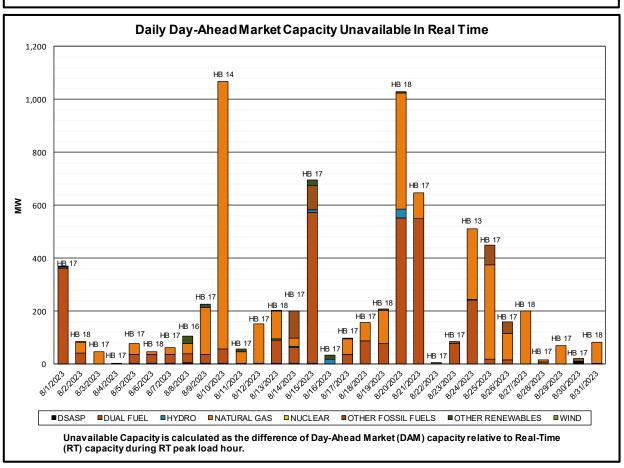




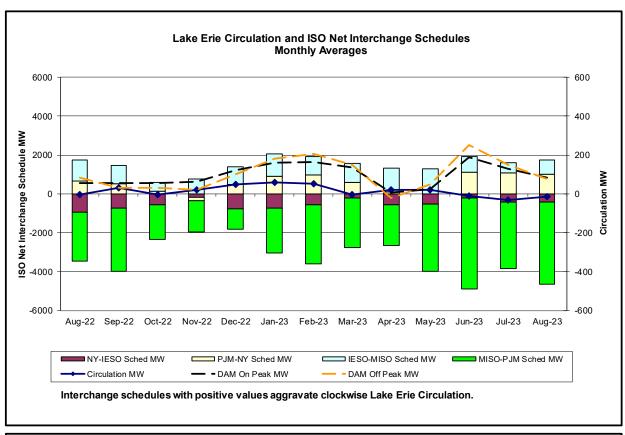


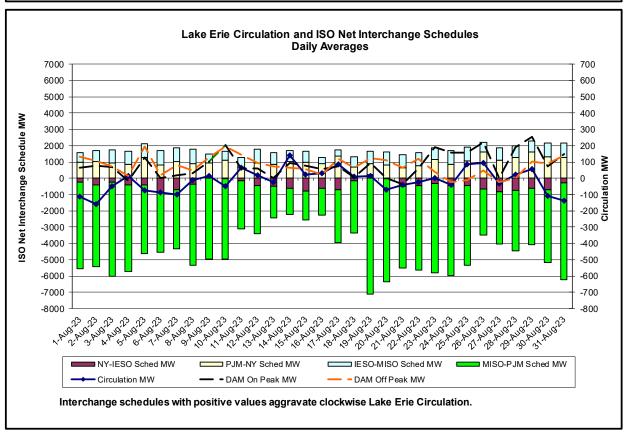






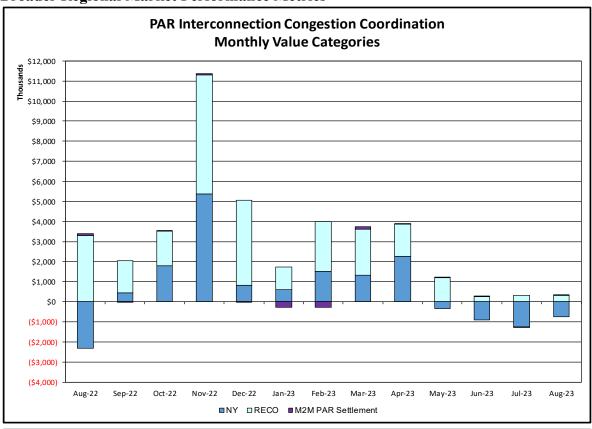


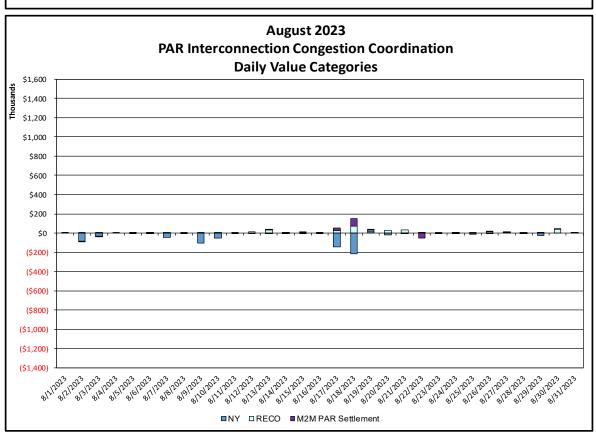






Broader Regional Market Performance Metrics

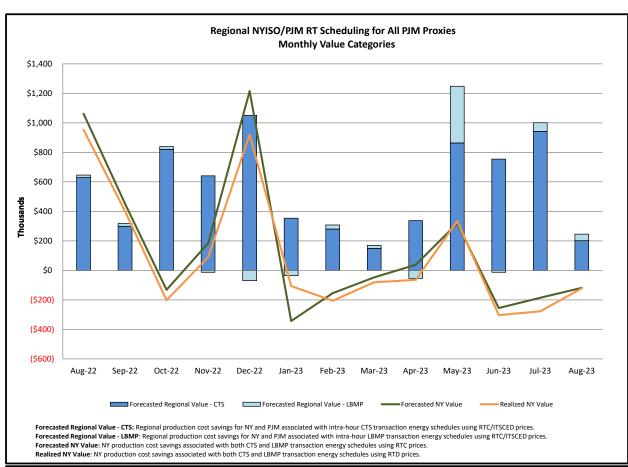


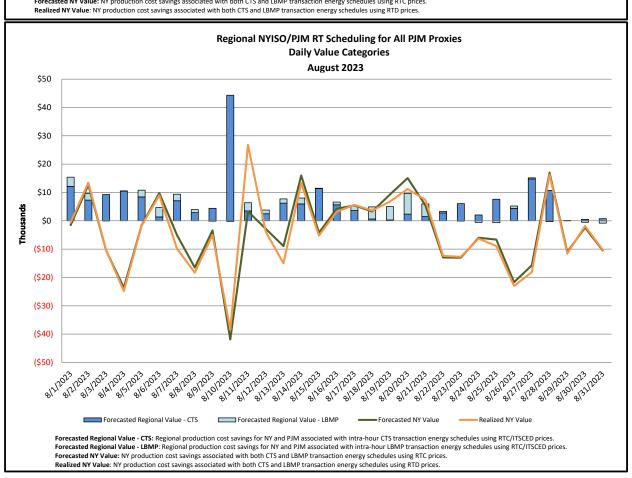




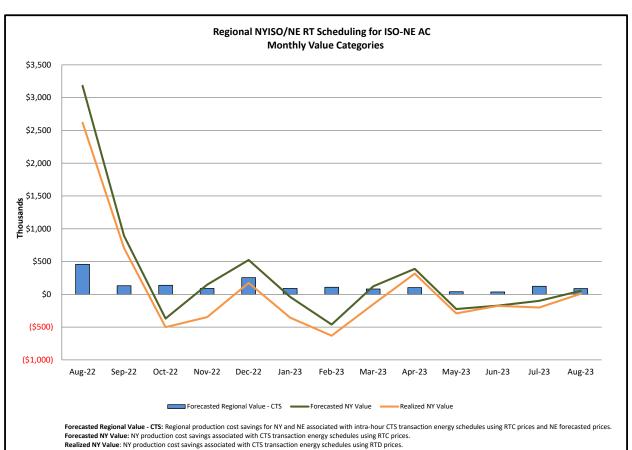
PAR Interconnection Congestion Coordination Category NY Represents the value NY realizes from Market-to-Market PAR Coordination when experiencing congestion. This is the estimated savings to NY for additional deliveries into NY RECO Represents the value of PJM's obligation to deliver 80% of service to 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 indicates settlement to NY while the negative indicates settlement to PJM.

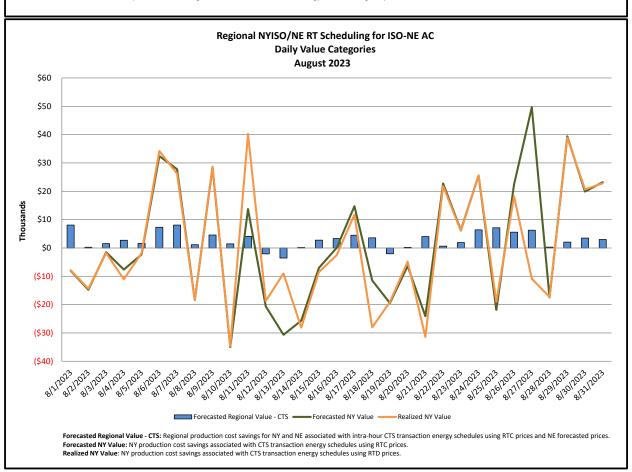






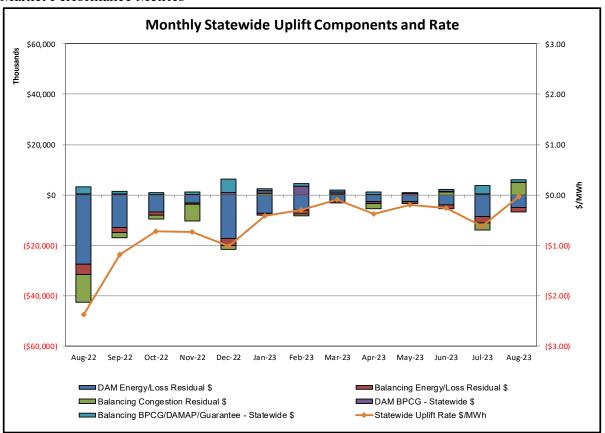




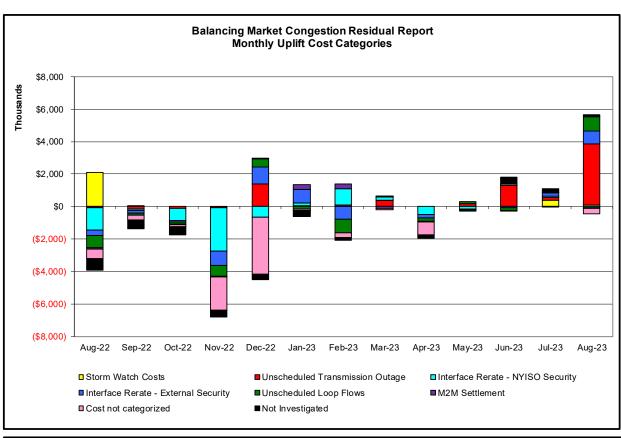


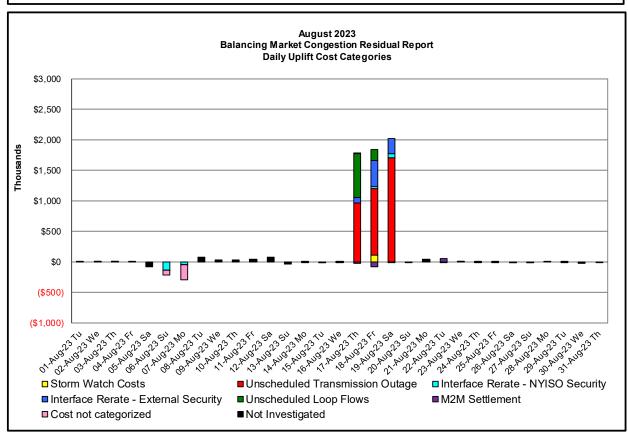


Market Performance Metrics







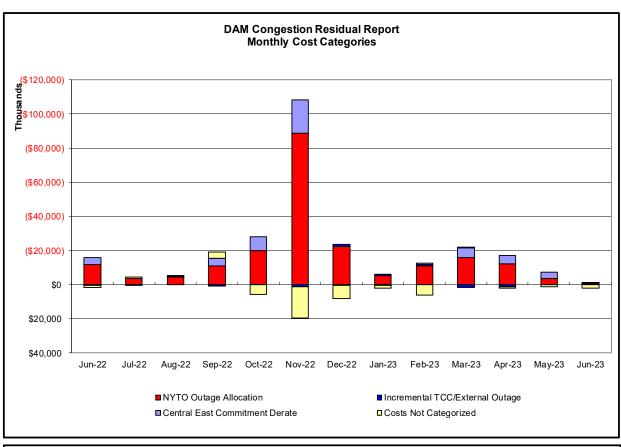


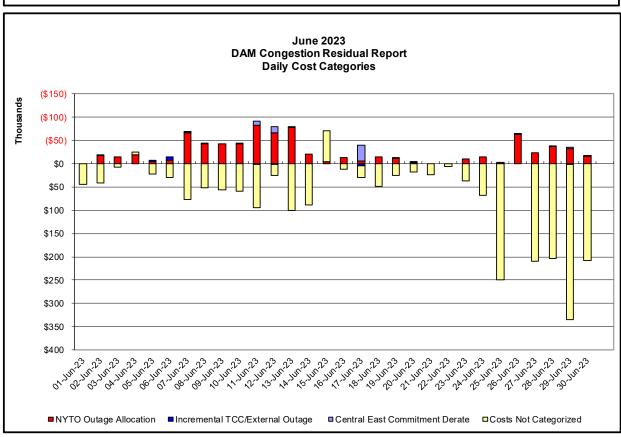


Day's investigated in August: 6,7,17,18,19			
Event	ent Date (yyyymmdd) Hours		Description
	8/6/2023	18	NYCA DNI Ramp Limit
8/6/2023		18	Uprate Central East
8/6/2023		18,20-23	Uprate Locust Grove-Newbridge 138kV (#558)
	8/6/2023	20-21	Uprate Scriba-Volney 345kV (#20) I/o Scriba-Volney 345kV (#21)
	8/6/2023	14	IESO_AC ACTIVE DNI Ramp Limit
	8/7/2023	22	Uprate East 179th St-Hellgate 138kV (#15055)
	8/7/2023	17-19	Uprate Scriba-Volney 345kV (#20) I/o Scriba-Volney 345kV (#21)
	8/7/2023	18	IESO_AC - NY Scheduling Limit
	8/17/2023	16-23	Forced outage Chateauguay-Massena 765kV (#7040)
	8/17/2023	16-23	Forced outage Massena-Marcy 765kV (#MSU1)
	8/17/2023	15,23	NE_AC ACTIVE DNI Ramp Limit
	8/17/2023	15-19	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	8/18/2023	6,7	Thunder Storm Alert, Linden-Goethals 230kV (#A2253)
	8/18/2023		Forced outage Chateauguay-Massena 765kV (#7040)
	8/18/2023	0-23	Forced outage Massena-Marcy 765kV (#MSU1)
	8/18/2023		NYCA DNI Ramp Limit
	8/18/2023		NE_AC ACTIVE DNI Ramp Limit
	8/18/2023		Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	8/19/2023	0-23	Forced outage Massena-Marcy 765kV (#MSU1)
	8/19/2023		Forced outage Chateauguay-Massena 765kV (#7040)
	8/19/2023	14-22	Forced outage Dunwoodie-Shore Road 345kV (#Y50)
	8/19/2023		NYCA DNI Ramp Limit
	8/19/2023	14,15	NE_AC ACTIVE DNI Ramp Limit
	8/19/2023	1-4	HQ_CEDARS-NY Scheduling Limit

Category	Cost Assignment	Events Types	Event Examples
Storm Watch	Zone J	Thunderstorm Alert (TSA)	TSA Activations
Fransmission 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
nterface/Facility Rerate - NYISO Secu	rity Market-wide	Changes in DAM to RTM transfers not related to transmission outage	Interface/Facility Rerate due to RTM voltages
nterface Rerate - External Security	Market-wide	Changes in DAM to RTM transfers related to External Control Area Security Events	TLR Events, External Transaction Curtailments
Jnscheduled 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	



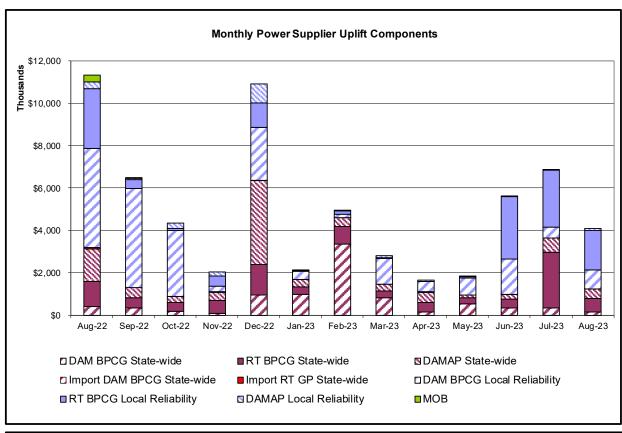


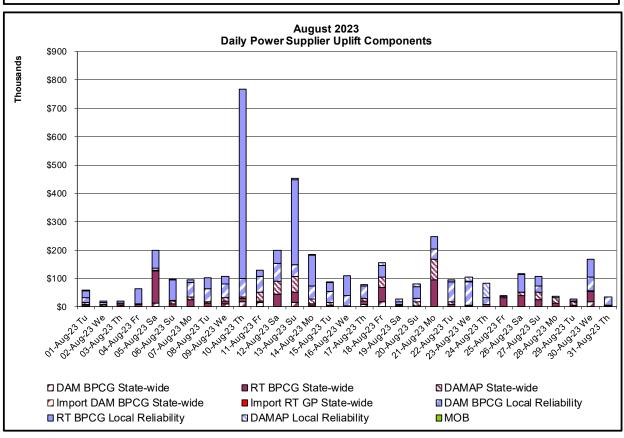




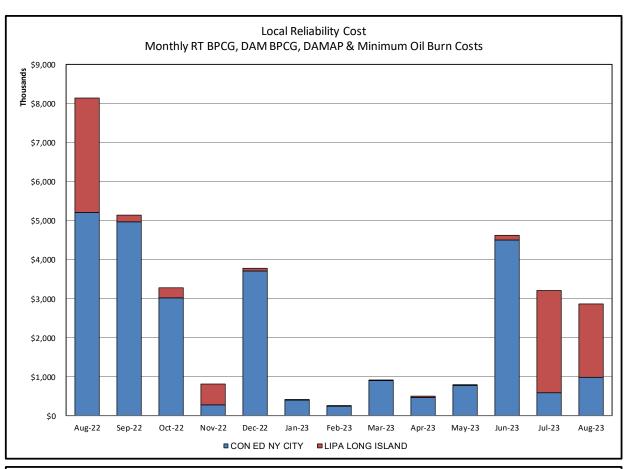
Day-Ahead Market Congestion Residual Categories					
<u>Category</u> NYTO Outage Allocation	<u>Cost Assignment</u> Responsible TO	Events Types Direct allocation to NYTO's responsible for transmission equipment status change.	Event Examples DAM scheduled outage for equipment modeled inservice for the 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.			

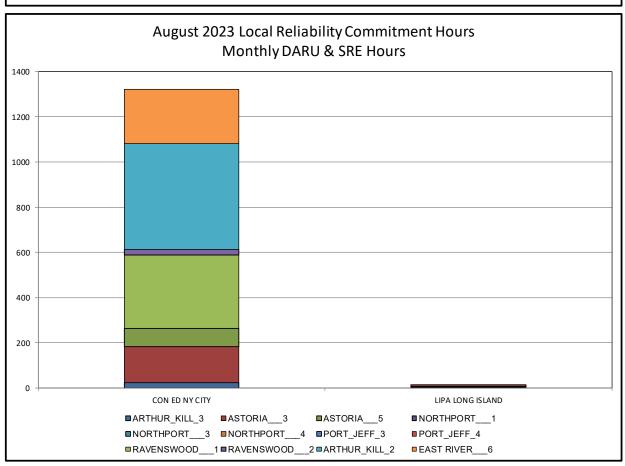




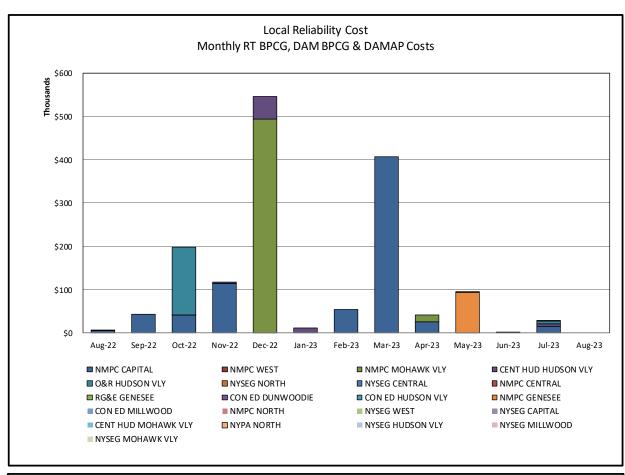


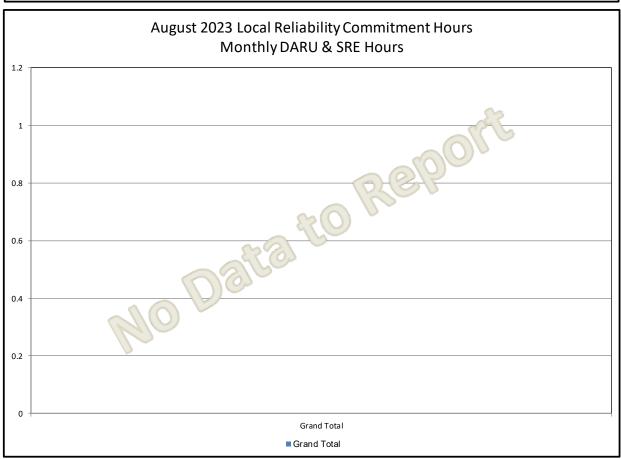


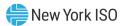


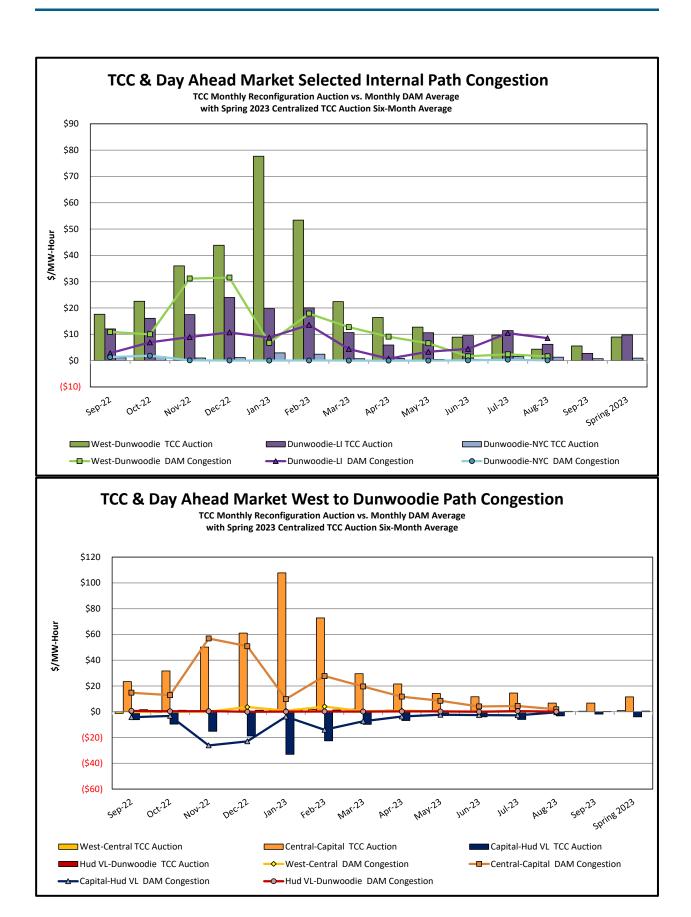




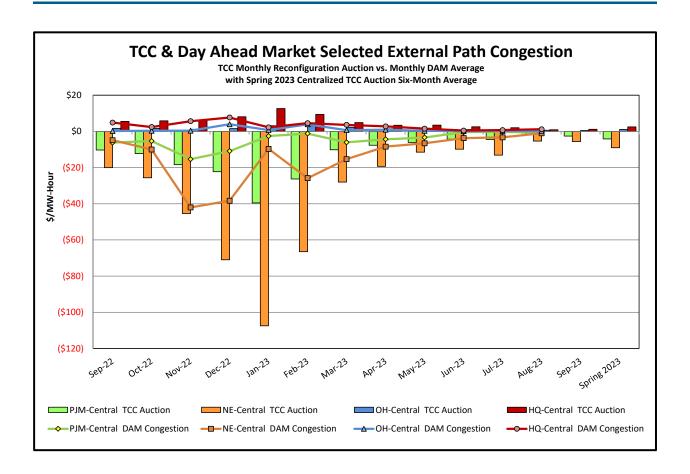




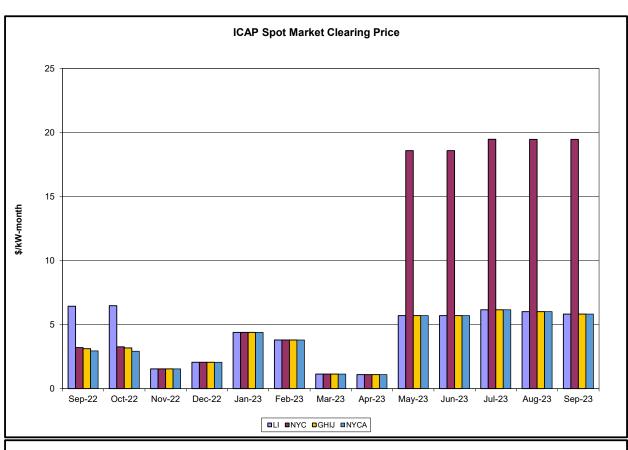


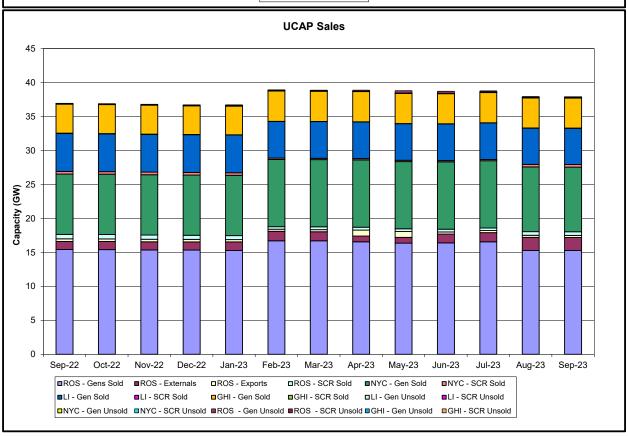








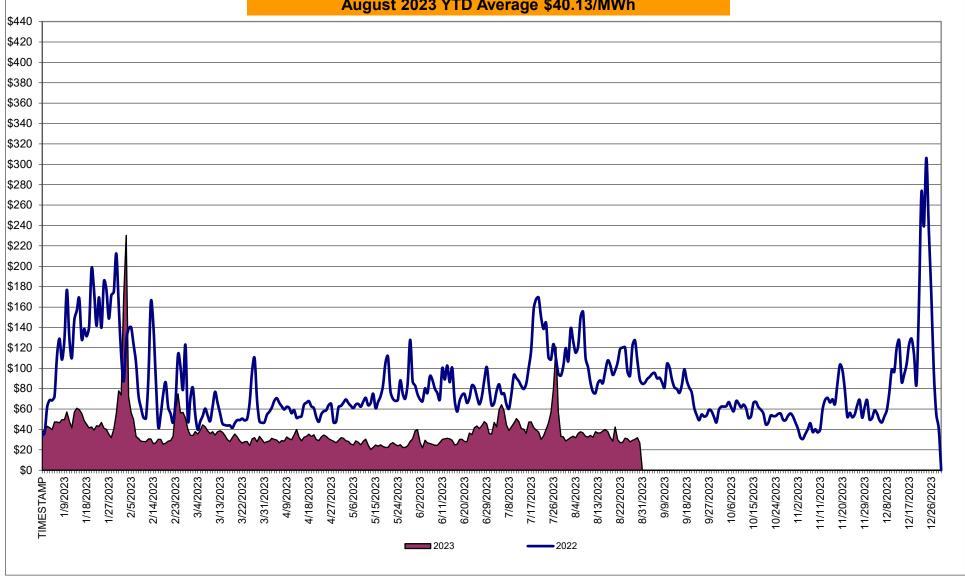




Market Performance Highlights August 2023

- LBMP for August is \$29.95/MWh; lower than the \$45.70/MWh in July 2023 and lower than \$108.85/MWh in August 2022.
 - Day Ahead Load Weighted LBMPs and Real Time Load Weighted LBMPs are lower compared to July.
- August 2023 average year-to-date monthly cost of \$40.13/MWh is a 56% decrease from \$93.42/MWh in August 2022.
- Average daily send out is 450 GWh/day in August; lower than 503 GWh/day in July 2023 and lower than 514 GWh/day in August 2022.
- Natural gas prices are lower compared to the previous month. Distillate prices are higher compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$1.18/MMBtu, down from \$1.57/MMBtu in July.
 - Natural gas prices (Transco Z6 NY) are down 85.5% year-over-year.
 - Jet Kerosene Gulf Coast was \$21.49/MMBtu, up from \$18.38/MMBtu in July.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$21.72/MMBtu, up from \$19.06/MMBtu in July.
 - Distillate prices are down 15.4% year-over-year
- Uplift per MWh is higher compared to the previous month.
 - Uplift (not including NYISO cost of operations) is \$0.16/MWh; higher than (0.43)/MWh in July.
 - Local Reliability Share is \$0.19/MWh, lower than \$0.20/MWh in July.
 - Statewide Share is (\$0.03)/MWh, higher than (\$0.62)/MWh in July.
 - TSA \$ per NYC MWh is \$0.07/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than July.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)* 2022 Annual Average \$89.23/MWh August 2022 YTD Average \$93.42/MWh August 2023 YTD Average \$40.13/MWh

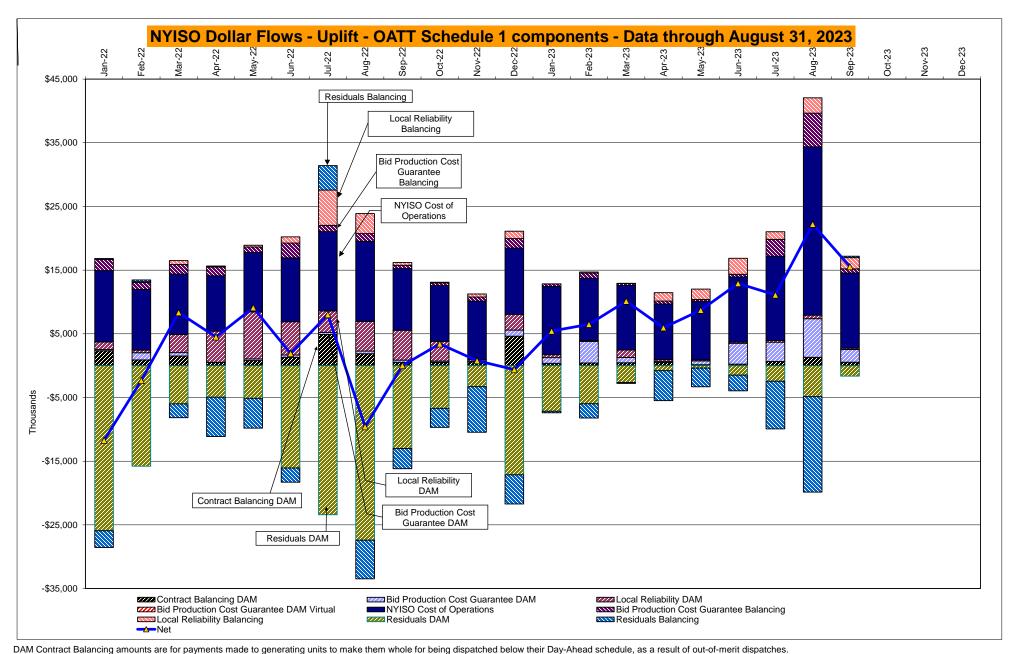


^{*} Excludes ICAP payments.

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

2023	<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>
LBMP	42.10	55.47	31.11	28.07	23.13	29.85	45.70	29.95				
NTAC	2.82	1.15	1.39	1.72	1.38	1.62	1.79	1.74				
Reserve	0.72	0.90	0.73	0.85	0.81	0.69	0.76	0.56				
Regulation	0.09	0.13	0.13	0.15	0.12	0.10	0.10	0.09				
NYISO Cost of Operations	0.77	0.77	0.77	0.78	0.78	0.78	0.80	0.80				
FERC Fee Recovery	0.08	0.09	0.09	0.10	0.10	0.09	0.06	0.07				
Uplift	(0.38)	(0.27)	(0.00)	(0.34)	(0.13)	0.09	(0.43)	0.16				
Uplift: Local Reliability Share	0.03	0.03	0.09	0.04	0.07	0.35	0.20	0.19				
Uplift: Statewide Share	(0.41)	(0.30)	(0.10)	(0.38)	(0.20)	(0.26)	(0.62)	(0.03)				
Voltage Support and Black Start	0.42	0.42	0.43	0.43	0.43	0.43	0.44	0.44				
Avg Monthly Cost	46.56	58.58	34.58	31.67	26.55	33.60	49.17	33.76				
Avg YTD Cost	46.64	52.36	46.65	43.45	40.45	39.27	41.18	40.13				
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.00	0.08	0.74	0.07				
τολίφ βοι τίτο πίντι	0.00	0.00	0.00	0.00	0.00	0.00	0.7 1	0.01				
2022	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	<u>September</u>	<u>October</u>	November	December
LBMP	134.79	94.06	<u>March</u> 56.78	56.46	<u>May</u> 70.60	76.72	99.47	<u>August</u> 108.85	78.91	53.11	52.47	110.17
		=										· <u>-</u>
LBMP	134.79 1.43 1.26	94.06 0.95 1.21	56.78 1.48 0.83	56.46 1.17 0.81	70.60 2.46 0.74	76.72 2.07 0.66	99.47 3.65 0.87	108.85 1.69 0.65	78.91 1.44 0.86	53.11 3.21 1.02	52.47 3.91 0.89	110.17 2.23 0.49
LBMP NTAC	134.79 1.43 1.26 0.27	94.06 0.95	56.78 1.48	56.46 1.17	70.60 2.46	76.72 2.07	99.47 3.65	108.85 1.69	78.91 1.44	53.11 3.21	52.47 3.91 0.89 0.15	110.17 2.23
LBMP NTAC Reserve Regulation NYISO Cost of Operations	134.79 1.43 1.26 0.27 0.73	94.06 0.95 1.21 0.19 0.72	56.78 1.48 0.83	56.46 1.17 0.81	70.60 2.46 0.74	76.72 2.07 0.66	99.47 3.65 0.87	108.85 1.69 0.65 0.13 0.76	78.91 1.44 0.86 0.18 0.76	53.11 3.21 1.02	52.47 3.91 0.89 0.15 0.74	110.17 2.23 0.49
LBMP NTAC Reserve Regulation	134.79 1.43 1.26 0.27	94.06 0.95 1.21 0.19	56.78 1.48 0.83 0.17 0.74 0.09	56.46 1.17 0.81 0.12	70.60 2.46 0.74 0.13	76.72 2.07 0.66 0.15	99.47 3.65 0.87 0.12	108.85 1.69 0.65 0.13	78.91 1.44 0.86 0.18	53.11 3.21 1.02 0.18	52.47 3.91 0.89 0.15	110.17 2.23 0.49 0.12
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift	134.79 1.43 1.26 0.27 0.73 0.07 (1.50)	94.06 0.95 1.21 0.19 0.72	56.78 1.48 0.83 0.17 0.74	56.46 1.17 0.81 0.12 0.74	70.60 2.46 0.74 0.13 0.74	76.72 2.07 0.66 0.15 0.75	99.47 3.65 0.87 0.12 0.76	108.85 1.69 0.65 0.13 0.76	78.91 1.44 0.86 0.18 0.76	53.11 3.21 1.02 0.18 0.73	52.47 3.91 0.89 0.15 0.74	110.17 2.23 0.49 0.12 0.73
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery	134.79 1.43 1.26 0.27 0.73 0.07	94.06 0.95 1.21 0.19 0.72 0.08	56.78 1.48 0.83 0.17 0.74 0.09	56.46 1.17 0.81 0.12 0.74 0.10	70.60 2.46 0.74 0.13 0.74 0.09	76.72 2.07 0.66 0.15 0.75 0.08	99.47 3.65 0.87 0.12 0.76 0.06	108.85 1.69 0.65 0.13 0.76 0.06	78.91 1.44 0.86 0.18 0.76 0.09	53.11 3.21 1.02 0.18 0.73 0.10	52.47 3.91 0.89 0.15 0.74 0.09	110.17 2.23 0.49 0.12 0.73 0.08
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share	134.79 1.43 1.26 0.27 0.73 0.07 (1.50) 0.09 (1.59)	94.06 0.95 1.21 0.19 0.72 0.08 (1.73) 0.04 (1.77)	56.78 1.48 0.83 0.17 0.74 0.09 (0.09) 0.27 (0.36)	56.46 1.17 0.81 0.12 0.74 0.10 (0.36) 0.43 (0.79)	70.60 2.46 0.74 0.13 0.74 0.09 (0.05) 0.60 (0.65)	76.72 2.07 0.66 0.15 0.75 0.08 (0.61) 0.46 (1.07)	99.47 3.65 0.87 0.12 0.76 0.06 (1.58) 0.54 (2.12)	108.85 1.69 0.65 0.13 0.76 0.06 (1.91) 0.47 (2.38)	78.91 1.44 0.86 0.18 0.76 0.09 (0.78) 0.39 (1.18)	53.11 3.21 1.02 0.18 0.73 0.10 (0.45) 0.27 (0.72)	52.47 3.91 0.89 0.15 0.74 0.09 (0.68) 0.06 (0.74)	110.17 2.23 0.49 0.12 0.73 0.08 (0.77) 0.25 (1.02)
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share	134.79 1.43 1.26 0.27 0.73 0.07 (1.50) 0.09	94.06 0.95 1.21 0.19 0.72 0.08 (1.73) 0.04	56.78 1.48 0.83 0.17 0.74 0.09 (0.09) 0.27	56.46 1.17 0.81 0.12 0.74 0.10 (0.36) 0.43	70.60 2.46 0.74 0.13 0.74 0.09 (0.05) 0.60	76.72 2.07 0.66 0.15 0.75 0.08 (0.61) 0.46	99.47 3.65 0.87 0.12 0.76 0.06 (1.58) 0.54	108.85 1.69 0.65 0.13 0.76 0.06 (1.91) 0.47	78.91 1.44 0.86 0.18 0.76 0.09 (0.78) 0.39	53.11 3.21 1.02 0.18 0.73 0.10 (0.45) 0.27	52.47 3.91 0.89 0.15 0.74 0.09 (0.68) 0.06	110.17 2.23 0.49 0.12 0.73 0.08 (0.77) 0.25
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share	134.79 1.43 1.26 0.27 0.73 0.07 (1.50) 0.09 (1.59)	94.06 0.95 1.21 0.19 0.72 0.08 (1.73) 0.04 (1.77)	56.78 1.48 0.83 0.17 0.74 0.09 (0.09) 0.27 (0.36)	56.46 1.17 0.81 0.12 0.74 0.10 (0.36) 0.43 (0.79)	70.60 2.46 0.74 0.13 0.74 0.09 (0.05) 0.60 (0.65)	76.72 2.07 0.66 0.15 0.75 0.08 (0.61) 0.46 (1.07)	99.47 3.65 0.87 0.12 0.76 0.06 (1.58) 0.54 (2.12)	108.85 1.69 0.65 0.13 0.76 0.06 (1.91) 0.47 (2.38)	78.91 1.44 0.86 0.18 0.76 0.09 (0.78) 0.39 (1.18)	53.11 3.21 1.02 0.18 0.73 0.10 (0.45) 0.27 (0.72)	52.47 3.91 0.89 0.15 0.74 0.09 (0.68) 0.06 (0.74)	110.17 2.23 0.49 0.12 0.73 0.08 (0.77) 0.25 (1.02)
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share Voltage Support and Black Start	134.79 1.43 1.26 0.27 0.73 0.07 (1.50) 0.09 (1.59) 0.42	94.06 0.95 1.21 0.19 0.72 0.08 (1.73) 0.04 (1.77) 0.41	56.78 1.48 0.83 0.17 0.74 0.09 (0.09) 0.27 (0.36) 0.43	56.46 1.17 0.81 0.12 0.74 0.10 (0.36) 0.43 (0.79) 0.43	70.60 2.46 0.74 0.13 0.74 0.09 (0.05) 0.60 (0.65) 0.43	76.72 2.07 0.66 0.15 0.75 0.08 (0.61) 0.46 (1.07) 0.43	99.47 3.65 0.87 0.12 0.76 0.06 (1.58) 0.54 (2.12) 0.43	108.85 1.69 0.65 0.13 0.76 0.06 (1.91) 0.47 (2.38) 0.43	78.91 1.44 0.86 0.18 0.76 0.09 (0.78) 0.39 (1.18) 0.44	53.11 3.21 1.02 0.18 0.73 0.10 (0.45) 0.27 (0.72) 0.42	52.47 3.91 0.89 0.15 0.74 0.09 (0.68) 0.06 (0.74) 0.42	110.17 2.23 0.49 0.12 0.73 0.08 (0.77) 0.25 (1.02) 0.42

^{*} Excludes ICAP payments. Market Mitigation and Analysis Prepared: 9/12/2023 5:12 PM



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

DAMA LEB IMBRIT SEMPS 12,356,68 55%	<u>2023</u>	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	July	August	September	October	November	December
DAIL SET INTERNAL SET INTERNA	Day Ahead Market MWh	13.662.137	12.355.489	12.651.083	11.058.870	11.601.426	12.934.709	16.199.282	14.407.179				
DAM Elberard TC- BMP Enterprise 29% 29% 30%													
DAM Bilaterial - Importal Polisherals 28% 28% 59%													
DAM Bilateral ExportMont-LBMP Market Bilaterals 5% 5% 5% 5% 5% 5% 5% 5	<u> </u>												
Description Property Proper													
Path Blasmain Wheel Procyph Baltaernial Sym	•												
Balancing Energy Metrol LEMPE Energy Sales 328,840 37,878 49,177 303,381 77,779 40,037 73,978 73% 73	· · · · · · · · · · · · · · · · · · ·												
Balancing Energy LEBI Internal ELIMP Energy Sales 68%													
Balancing Energy Esteral To LBMP Energy Salers 88% 88% 88% 89% 82%	Balancing Energy LSE Internal LBMP Energy Sales	65%	38%	53%	43%	-157%	37%	118%	79%				
Balancing Energy Bilaterial - Internal Bilaterials 2% 1% 6% 6% 5% 5% 5% 6% 6% 6	0 0,		68%	58%	69%		143%	47%	72%				
Balancing Energy Bilateral - ImportiNanc-LBMP Market Bilaterals 0% 6% 6% 6% 6% 6% 6% 6% 6% 6% 6% 6% 6% 6%	Balancing Energy Bilateral - Internal Bilaterals	2%	1%	2%	-1%	-5%	28%	5%	8%				
Balancing Energy Bilateral - ExportNon-LBMP Market Bilaterals	5 5,	0%	0%	0%	0%	7%	0%	0%	0%				
Parametring Summary		7%	6%	6%	5%	10%	18%	5%	5%				
LBMP	Balancing Energy Bilateral - Wheel Through Bilaterals	-43%	-13%	-18%	-16%	-178%	-326%	-75%	-64%				
Internal Dilaterals	Transactions Summary												
Import Bilaterals		63%	63%	62%	61%	60%	63%	69%	67%				
Export Bilaterals													
Minest Driving 2% 2% 2% 3% 2% 2% 2% 3% 2% 2													
Market Share of Total Load Market Market Share of Total Load Market Share of Total Market Share of Total Market Share of Total Market Market Share of Total Load M	·												
Day Ahead Market Sarre Of Total Load 2.4% 3.1% 96.8% 96.8% 97.3% 100.7% 100.3% 96.8% 95.5% 1.5%	•												
Day Ahead Market 97.6% 96.9% 96.9% 97.3% 100.7% 100.3% 98.6%													
Balancing Energy +	·	97.6%	96.9%	96.8%	97.3%	100.7%	100.3%	98.6%	98.5%				
Total MWH													
Average Daily Energy Sendout/Month GWh													
Part													
Day Ahead Market MWh	7 Wordgo Bally Enorgy Conductivional CVVII	110	100	001	0.10		101		100				
Day Ahead Market MWh													
DAM LSE Internal LBMP Energy Sales 57% 56% 59% 56% 55% 60% 64% 63% 62% 58% 56% 56% 56% DAM External TC LBMP Energy Sales 28% 28% 29% 23% 31% 31% 29% 26% 26% 27% 30% 31% 29% 26M 26% 27% 30% 31% 29% 26M 26% 27% 30% 31% 29% 26% 26% 27													
DAM Elateral TC LBMP Energy Sales 97% 88% 93% 55% 66% 33% 33% 34% 25% 33% 44% 66% DAM Bilateral - Internal Bilaterals 24% 44% 44% 55% 44% 44% 44% 55% 66% 55% 55% 55% 55% 55% 55% 55% 55								·					
DAM Bilateral - Internal Bilaterals 28% 28% 28% 28% 28% 28% 28% 28% 31% 29% 26% 26% 27% 30% 31% 29% DAM Bilateral - ImportINkon-LBMP Market Bilaterals 2% 2% 2% 4% 4% 4% 5%								·					
DAM Bilateral - Importi/Non-LBMP Market Bilaterals 44 44 55 44 45 56 65 55 55 56 DAM Bilateral - Export/Non-LBMP Market Bilaterals 2% 66% 72% 86% 66% 45% 81,83 75% 2% 66% 72% 86% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 66% 67% 26% 26% 26% 26% 26%	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	11,952,855	13,768,799
DAM Bilateral - Export/Non-LBMP Market Bilaterals 2%	Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales	14,327,101 57%	12,477,485 56%	12,137,757 59%	10,992,578 56%	12,176,102 55%	12,945,740 60%	15,905,937 64%	15,770,210 63%	12,467,212 62%	11, 527,745 58%	11,952,855 56%	13,768,799 56%
DAM Bilateral - Wheel Through Bilaterals 28 28 28 28 28 28 28 2	Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales	14,327,101 57% 7%	12,477,485 56% 8%	12,137,757 59% 3%	10,992,578 56% 5%	12,176,102 55% 6%	12,945,740 60% 3%	15,905,937 64% 3%	15,770,210 63% 3%	12,467,212 62% 2%	11,527,745 58% 3%	11,952,855 56% 4%	13,768,799 56% 6%
Balancing Energy Market MWh 942,823	Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals	14,327,101 57% 7% 28%	12,477,485 56% 8% 28%	12,137,757 59% 3% 29%	10,992,578 56% 5% 31%	12,176,102 55% 6% 31%	12,945,740 60% 3% 29%	15,905,937 64% 3% 26%	15,770,210 63% 3% 26%	12,467,212 62% 2% 27%	11,527,745 58% 3% 30%	11,952,855 56% 4% 31%	13,768,799 56% 6% 29%
Balancing Energy LSE Internal LBMP Energy Sales 88% 83% 76% 60% 66% 72% 86% 66% 45% 38% 45% Balancing Energy External TC LBMP Energy Sales 16% 19% 24% 33% 32% 36% 23% 14% 34% 55% 58% 56% Balancing Energy Bilateral - Internal Bilaterals 1% 2% 0% 5% 2% 1% 0% 0% 2% 2% 1% 0% 0% 0% 0% 2% 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	14,327,101 57% 7% 28% 4%	12,477,485 56% 8% 28% 4%	12,137,757 59% 3% 29% 4%	10,992,578 56% 5% 31% 5%	12,176,102 55% 6% 31% 4%	12,945,740 60% 3% 29% 4%	15,905,937 64% 3% 26% 4%	15,770,210 63% 3% 26% 5%	12,467,212 62% 2% 27% 6%	11,527,745 58% 3% 30% 5%	11,952,855 56% 4% 31% 5%	13,768,799 56% 6% 29% 5%
Balancing Energy External TC LBMP Energy Sales 16% 19% 24% 33% 32% 36% 23% 14% 34% 55% 58% 56% Balancing Energy Bilateral - Internal Bilaterals 1% 2% 2% 0% 5% 2% 1% 0% 0% 2% 2% Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals 0% 0% 0% 0% 0% 2% 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	14,327,101 57% 7% 28% 4% 2%	12,477,485 56% 8% 28% 4% 2%	12,137,757 59% 3% 29% 4% 2%	10,992,578 56% 5% 31% 5% 2%	12,176,102 55% 6% 31% 4% 2%	12,945,740 60% 3% 29% 4% 2%	15,905,937 64% 3% 26% 4% 1%	15,770,210 63% 3% 26% 5% 1%	12,467,212 62% 2% 27% 6% 2%	11,527,745 58% 3% 30% 5% 2%	11,952,855 56% 4% 31% 5% 2%	13,768,799 56% 6% 29% 5% 2%
Balancing Energy External TC LBMP Energy Sales 16% 19% 24% 33% 32% 36% 23% 14% 34% 55% 58% 56% Balancing Energy Bilateral - Internal Bilaterals 1% 2% 2% 0% 5% 2% 1% 0% 0% 2% 2% Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals 0% 0% 0% 0% 0% 2% 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	14,327,101 57% 7% 28% 4% 2% 2%	12,477,485 56% 8% 28% 4% 2% 2%	12,137,757 59% 3% 29% 4% 2% 2%	10,992,578 56% 5% 31% 5% 2% 2%	12,176,102 55% 6% 31% 4% 2% 2%	12,945,740 60% 3% 29% 4% 2% 2%	15,905,937 64% 3% 26% 4% 1% 2%	15,770,210 63% 3% 26% 5% 1% 2%	12,467,212 62% 2% 27% 6% 2% 2%	11,527,745 58% 3% 30% 5% 2% 2%	11,952,855 56% 4% 31% 5% 2% 2%	13,768,799 56% 6% 29% 5% 2% 2%
Balancing Energy Bilateral - ImportI/Non-LBMP Market Bilaterals 0% 0% 0% 2% 2% 2% 0% 0% 0% 0% Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals 4% 9% 8% 7% 9% 8% 6% 3% 5% 7% 7% 5% Balancing Energy Bilateral - Wheel Through Bilaterals -9% -13% -10% -1% -12% -14% -4% -3% -5% -7% -5% -8% IBMP 66% 66% 65% 62% 63% 64% 68% 65% 62% 62% 64% Import Bilaterals 26% 27% 27% 29% 30% 28% 25% 25% 27% 29% 28% Export Bilaterals 2% <td>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</td> <td>14,327,101 57% 7% 28% 4% 2% 2% 942,823</td> <td>12,477,485 56% 8% 28% 4% 2% 2% 742,449</td> <td>12,137,757 59% 3% 29% 4% 2% 2% 758,386</td> <td>10,992,578 56% 5% 31% 5% 2% 2% 772,666</td> <td>12,176,102 55% 6% 31% 4% 2% 2% 378,503</td> <td>12,945,740 60% 3% 29% 4% 2% 2% 464,231</td> <td>15,905,937 64% 3% 26% 4% 1% 2%</td> <td>15,770,210 63% 3% 26% 5% 1% 2%</td> <td>12,467,212 62% 2% 27% 6% 2% 2% 361,883</td> <td>11,527,745 58% 3% 30% 5% 2% 2% 379,932</td> <td>11,952,855 56% 4% 31% 5% 2% 2% 519,117</td> <td>13,768,799 56% 6% 29% 5% 2% 2% 528,939</td>	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	14,327,101 57% 7% 28% 4% 2% 2% 942,823	12,477,485 56% 8% 28% 4% 2% 2% 742,449	12,137,757 59% 3% 29% 4% 2% 2% 758,386	10,992,578 56% 5% 31% 5% 2% 2% 772,666	12,176,102 55% 6% 31% 4% 2% 2% 378,503	12,945,740 60% 3% 29% 4% 2% 2% 464,231	15,905,937 64% 3% 26% 4% 1% 2%	15,770,210 63% 3% 26% 5% 1% 2%	12,467,212 62% 2% 27% 6% 2% 2% 361,883	11,527,745 58% 3% 30% 5% 2% 2% 379,932	11,952,855 56% 4% 31% 5% 2% 2% 519,117	13,768,799 56% 6% 29% 5% 2% 2% 528,939
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals 4% 9% 8% 7% 9% 8% 6% 3% 5% 7% 7% 5% Balancing Energy Bilateral - Wheel Through Bilaterals -9% -13% -10% -1% -1% -14% -4% -4% -3% -5% -7% -5% -8% Transactions Summary LBMP 67% 66% 65% 62% 63% 64% 68% 66% 62% 64% Internal Bilaterals 26% 27% 27% 29% 30% 28% 25% 25% 27% 29% 28% Import Bilaterals 3% 4% 4% 4% 4% 3% 4% 6% 5% 2% 2% 2% </td <td>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</td> <td>14,327,101 57% 7% 28% 4% 2% 2% 942,823 88%</td> <td>12,477,485 56% 8% 28% 4% 2% 2% 742,449 83%</td> <td>12,137,757 59% 3% 29% 4% 2% 2% 758,386 76%</td> <td>10,992,578 56% 5% 31% 5% 2% 2% 772,666 60%</td> <td>12,176,102 55% 6% 31% 4% 2% 2% 378,503 65%</td> <td>12,945,740 60% 3% 29% 4% 2% 2% 464,231 66%</td> <td>15,905,937 64% 3% 26% 4% 1% 2% 567,602 72%</td> <td>15,770,210 63% 3% 26% 5% 1% 2% 785,464 86%</td> <td>12,467,212 62% 2% 27% 6% 2% 2% 361,883 66%</td> <td>11,527,745 58% 3% 30% 5% 2% 2% 379,932 45%</td> <td>11,952,855 56% 4% 31% 5% 2% 2% 519,117 38%</td> <td>13,768,799 56% 6% 29% 5% 2% 2% 528,939 45%</td>	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	14,327,101 57% 7% 28% 4% 2% 2% 942,823 88%	12,477,485 56% 8% 28% 4% 2% 2% 742,449 83%	12,137,757 59% 3% 29% 4% 2% 2% 758,386 76%	10,992,578 56% 5% 31% 5% 2% 2% 772,666 60%	12,176,102 55% 6% 31% 4% 2% 2% 378,503 65%	12,945,740 60% 3% 29% 4% 2% 2% 464,231 66%	15,905,937 64% 3% 26% 4% 1% 2% 567,602 72%	15,770,210 63% 3% 26% 5% 1% 2% 785,464 86%	12,467,212 62% 2% 27% 6% 2% 2% 361,883 66%	11,527,745 58% 3% 30% 5% 2% 2% 379,932 45%	11,952,855 56% 4% 31% 5% 2% 2% 519,117 38%	13,768,799 56% 6% 29% 5% 2% 2% 528,939 45%
Palancing Energy Bilateral - Wheel Through Bilaterals -9% -13% -10% -1% -12% -12% -14% -4% -3% -5% -5% -7% -5% -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	14,327,101 57% 7% 28% 4% 2% 2% 942,823 88% 16%	12,477,485 56% 8% 28% 4% 2% 2% 742,449 83% 19%	12,137,757 59% 3% 29% 4% 2% 2% 758,386 76% 24%	10,992,578 56% 5% 31% 5% 2% 2% 772,666 60% 33%	12,176,102 55% 6% 31% 4% 2% 2% 378,503 65% 32%	12,945,740 60% 3% 29% 4% 2% 2% 464,231 66% 36%	15,905,937 64% 3% 26% 4% 1% 2% 567,602 72% 23%	15,770,210 63% 3% 26% 5% 1% 2% 785,464 86% 14%	12,467,212 62% 27% 66% 2% 2% 26 361,883 66% 34%	11,527,745 58% 3% 30% 5% 2% 2% 379,932 45% 55%	11,952,855 56% 4% 31% 5% 2% 2% 519,117 38% 58%	13,768,799 56% 6% 29% 5% 2% 2% 528,939 45% 56%
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Wheels Through 1% 1% 2% 2% 2% 1% 1% 2% 1% 2% 95.3% 97.2% 96.8% 95.3% 96.3% 97.2% 96.8% 95.2% 96.3% 97.2% 96.8% 97.2% 96.8% 97.2% 96.8% 97.2% 96.8% 97.2% 96.8% 97.2% 96.8% 97.2% 96.8% 97.2% 96.8% 97.2%	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 Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals	14,327,101 57% 7% 28% 4% 2% 2% 942,823 88% 16% 1% 0% 4% -9%	12,477,485 56% 8% 28% 4% 2% 2% 742,449 83% 19% 0% 9% -13%	12,137,757 59% 3% 29% 4% 2% 2% 758,386 76% 24% 0% -10%	10,992,578 56% 5% 31% 5% 2% 2% 772,666 60% 33% 0% 0% -1% 62% 29%	12,176,102 55% 6% 31% 4% 2% 2% 378,503 65% 32% 5% 2% 9% -12%	12,945,740 60% 3% 29% 4% 2% 2% 464,231 66% 36% 2% 2% 8% -14% 64% 28%	15,905,937 64% 3% 26% 4% 1% 2% 567,602 72% 23% 6% -4%	15,770,210 63% 3% 26% 5% 1% 2% 785,464 86% 14% 0% 0% 3% -3%	12,467,212 62% 27% 6% 2% 2% 2% 361,883 66% 34% 0% 5% -5%	11,527,745 58% 3% 30% 5% 2% 2% 379,932 45% 55% 0% 0% -7% 62% 29%	519,952,855 56% 4% 31% 5% 2% 2% 519,117 38% 58% 0% 7% -5% 62% 29%	13,768,799 56% 6% 29% 5% 2% 2% 528,939 45% 56% 2% 0% 5% -8%
Market Share of Total Load Day Ahead Market 93.8% 94.4% 94.1% 93.4% 97.0% 96.5% 96.6% 95.3% 97.2% 96.8% 95.8% 96.3% Balancing Energy + 6.2% 5.6% 5.9% 6.6% 3.0% 3.5% 3.4% 4.7% 2.8% 3.2% 4.2% 3.7% Total MWH 15,269,924 13,219,933 12,896,143 11,765,244 12,554,605 13,409,971 16,473,538 16,555,674 12,829,095 11,907,677 12,471,972 14,297,738	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 - Export/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	14,327,101 57% 7% 28% 4% 2% 2% 942,823 88% 16% 1% 0% 4% -9% 67% 26% 3%	12,477,485 56% 8% 28% 4% 2% 2% 742,449 83% 19% 0% 9% -13% 66% 27% 4%	12,137,757 59% 3% 29% 4% 2% 2% 758,386 76% 24% 2% 0% -10%	10,992,578 56% 5% 31% 5% 2% 2% 772,666 60% 33% 0% 7% -1% 62% 29% 4%	12,176,102 55% 6% 31% 4% 2% 2% 378,503 65% 32% 5% 9% -12% 63% 30% 4%	12,945,740 60% 3% 29% 4% 2% 2% 464,231 66% 36% 2% 8% -14% 64% 28% 44%	15,905,937 64% 3% 26% 4% 1% 2% 567,602 72% 23% 6% -4% 68% 25% 3%	15,770,210 63% 3% 26% 5% 1% 2% 785,464 86% 14% 0% 3% -3%	12,467,212 62% 27% 6% 2% 2% 361,883 66% 34% 0% -5% 65% 27% 6%	11,527,745 58% 3% 30% 5% 2% 2% 379,932 45% 55% 0% 7% -7% 62% 29% 5%	11,952,855 56% 4% 31% 5% 2% 2% 519,117 38% 58% 0% 7% -5% 62% 29% 5%	13,768,799 56% 6% 29% 5% 2% 2% 528,939 45% 56% 2% 0% -8% 64% 28% 55%
Day Ahead Market 93.8% 94.4% 94.1% 93.4% 97.0% 96.5% 96.6% 95.3% 97.2% 96.8% 95.8% 96.3% Balancing Energy + 6.2% 5.6% 5.9% 6.6% 3.0% 3.5% 3.4% 4.7% 2.8% 3.2% 4.2% 3.7% Total MWH 15,269,924 13,219,933 12,896,143 11,765,244 12,554,605 13,409,971 16,473,538 16,555,674 12,829,095 11,907,677 12,471,972 14,297,738	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 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	14,327,101 57% 7% 28% 4% 2% 2% 942,823 88% 16% 1% 0% 4% -9% 67% 26% 3% 2%	12,477,485 56% 8% 28% 4% 2% 2% 742,449 83% 19% 2% 0% 9% -13% 66% 27% 4% 2%	12,137,757 59% 3% 29% 4% 2% 2% 758,386 76% 24% 2% 0% 8% -10% 65% 27% 4% 2%	10,992,578 56% 5% 31% 5% 2% 2% 772,666 60% 33% 0% -1% 62% 29% 4% 2%	12,176,102 55% 6% 31% 4% 2% 2% 378,503 65% 32% 5% 9% -12% 63% 30% 4% 2%	12,945,740 60% 3% 29% 4% 2% 2% 464,231 66% 36% 2% 2% 8% -14% 64% 28% 44% 28%	15,905,937 64% 3% 26% 4% 1% 2% 567,602 72% 23% 1% 6% -4% 68% 25% 3% 2%	15,770,210 63% 3% 26% 5% 1% 2% 785,464 86% 14% 0% 3% -3% 68% 25% 4% 1%	12,467,212 62% 27% 6% 2% 2% 361,883 66% 34% 1% 0% -5% 65% 27% 6% 2%	11,527,745 58% 3% 30% 5% 2% 2% 379,932 45% 55% 0% 7% -7% 62% 29% 5% 2%	11,952,855 56% 4% 31% 5% 2% 2% 519,117 38% 58% 2% 0% -5% 62% 29% 5% 2%	13,768,799 56% 6% 29% 5% 2% 2% 528,939 45% 56% 2% 0% -8% 64% 28% 5% 28% 5% 2%
Balancing Energy + 6.2% 5.6% 5.9% 6.6% 3.0% 3.5% 3.4% 4.7% 2.8% 3.2% 4.2% 3.7% Total MWH 15,269,924 13,219,933 12,896,143 11,765,244 12,554,605 13,409,971 16,473,538 16,555,674 12,829,095 11,907,677 12,471,972 14,297,738	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 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	14,327,101 57% 7% 28% 4% 2% 2% 942,823 88% 16% 1% 0% 4% -9% 67% 26% 3% 2%	12,477,485 56% 8% 28% 4% 2% 2% 742,449 83% 19% 2% 0% 9% -13% 66% 27% 4% 2%	12,137,757 59% 3% 29% 4% 2% 2% 758,386 76% 24% 2% 0% 8% -10% 65% 27% 4% 2%	10,992,578 56% 5% 31% 5% 2% 2% 772,666 60% 33% 0% -1% 62% 29% 4% 2%	12,176,102 55% 6% 31% 4% 2% 2% 378,503 65% 32% 5% 9% -12% 63% 30% 4% 2%	12,945,740 60% 3% 29% 4% 2% 2% 464,231 66% 36% 2% 2% 8% -14% 64% 28% 44% 28%	15,905,937 64% 3% 26% 4% 1% 2% 567,602 72% 23% 1% 6% -4% 68% 25% 3% 2%	15,770,210 63% 3% 26% 5% 1% 2% 785,464 86% 14% 0% 3% -3% 68% 25% 4% 1%	12,467,212 62% 27% 6% 2% 2% 361,883 66% 34% 1% 0% -5% 65% 27% 6% 2%	11,527,745 58% 3% 30% 5% 2% 2% 379,932 45% 55% 0% 7% -7% 62% 29% 5% 2%	11,952,855 56% 4% 31% 5% 2% 2% 519,117 38% 58% 2% 0% -5% 62% 29% 5% 2%	13,768,799 56% 6% 29% 5% 2% 2% 528,939 45% 56% 2% 0% -8% 64% 28% 5% 28% 5% 2%
Total MWH 15,269,924 13,219,933 12,896,143 11,765,244 12,554,605 13,409,971 16,473,538 16,555,674 12,829,095 11,907,677 12,471,972 14,297,738	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	14,327,101 57% 7% 28% 4% 2% 942,823 88% 16% 1% 0% 4% -9% 67% 26% 3% 2% 1%	12,477,485 56% 8% 28% 4% 2% 742,449 83% 19% 2% 0% -13% 66% 27% 4% 2% 1%	12,137,757 59% 3% 29% 4% 2% 758,386 76% 24% 2% 0% 8% -10% 65% 27% 4% 2% 2%	10,992,578 56% 5% 31% 5% 2% 772,666 60% 33% 0% -1% 62% 29% 4% 2% 2%	12,176,102 55% 6% 31% 4% 2% 378,503 65% 32% 5% -12% 63% 30% 4% 2% 2%	12,945,740 60% 3% 29% 4% 2% 464,231 66% 36% 2% -14% 64% 28% 44% 28% 2%	15,905,937 64% 3% 26% 4% 1% 567,602 72% 23% 1% 6% -4%	15,770,210 63% 3% 26% 5% 1% 785,464 86% 0% 0% 3% -3%	12,467,212 62% 2% 27% 6% 2% 361,883 66% 34% 1% 0% -5% 65% 27% 6% 2% 2%	11,527,745 58% 3% 30% 5% 2% 379,932 45% 55% 0% -7% 62% 29% 29% 2% 1%	519,117 38% 2% 519,117 38% 2% 519,117 38% 5% 2% 0% -5% 62% 29% 29% 2%	13,768,799 56% 6% 29% 5% 2% 528,939 45% 56% 2% 0% -8% 64% 28% 5% 22% 22%
	Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importi/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market	14,327,101 57% 7% 28% 4% 2% 942,823 88% 16% 1% 0% 4% -9% 67% 26% 3% 2% 1%	12,477,485 56% 8% 28% 4% 2% 742,449 83% 19% 2% 0% 9136 27% 4% 27% 4% 27% 4% 19%	12,137,757 59% 3% 29% 4% 2% 758,386 76% 24% 2% 0% 8% -10% 65% 27% 4% 2% 2% 94.1%	10,992,578 56% 5% 31% 5% 2% 772,666 60% 33% 0% -1% 62% 29% 4% 2% 2%	12,176,102 55% 6% 31% 4% 2% 378,503 65% 32% 5% 2% 9% -12% 63% 30% 4% 2% 2% 97.0%	12,945,740 60% 3% 29% 4% 2% 2% 464,231 66% 36% 2% 8% -14% 64% 28% 44% 28% 2% 96.5%	15,905,937 64% 3% 26% 4% 1% 2% 567,602 72% 23% 1% 2% 6% -4% 68% 25% 3% 2% 1%	15,770,210 63% 3% 26% 5% 1% 2% 785,464 86% 0% 0% 3% -3% 68% 25% 4% 1%	12,467,212 62% 27% 68% 22% 361,883 66% 34% 0% 5% -5% 65% 27% 6% 2% 2%	11,527,745 58% 3% 30% 5% 2% 2% 379,932 45% 0% -7% 62% 29% 29% 5% 1%	11,952,855 56% 4% 31% 5% 2% 2% 519,117 38% 58% 2% 0% 7% -5% 62% 29% 29% 2% 2% 29% 29% 2% 2% 2% 2% 38% 58% 2% 2% 2% 38% 58% 2% 2% 38% 58% 2% 2% 38% 58% 58% 2% 2% 38% 58% 58% 58% 58% 58% 58% 58% 5	13,768,799 56% 6% 29% 5% 2% 528,939 45% 56% 2% 0% 58 64% 28% 5% 22% 96.3%
Average Daily Energy Sendout/Month GWh 451 429 390 359 372 422 509 514 411 359 382 421	Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importt/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 - Importt/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 +	14,327,101 57% 7% 28% 4% 2% 942,823 88% 16% 1% 0% 4% -9% 67% 26% 3% 2% 1% 93.8% 6.2%	12,477,485 56% 8% 28% 4% 2% 742,449 83% 19% 0% 913 66% 27% 4% 2% 1% 1% 10% 10% 10% 10% 10% 10%	12,137,757 59% 3% 29% 4% 2% 2% 758,386 76% 24% 0% 8% -10% 65% 27% 4% 2% 2% 94.1% 5.9%	10,992,578 56% 5% 31% 5% 2% 772,666 60% 33% 0% -1% 62% 29% 4% 2% 2% 93.4% 6.6%	12,176,102 55% 6% 31% 4% 2% 378,503 65% 32% 9% -12% 63% 30% 4% 2% 97.0% 3.0%	12,945,740 60% 3% 29% 4% 2% 2% 464,231 66% 36% 2% 8% -14% 64% 28% 4% 2% 2% 96.5% 3.5%	15,905,937 64% 3% 26% 4% 1% 567,602 72% 23% 2% 6% -4% 68% 25% 3% 2% 1%	15,770,210 63% 3% 26% 5% 1% 2% 785,464 86% 0% 0% 3% -3% 68% 25% 4% 1% 1%	12,467,212 62% 2% 27% 6% 2% 361,883 66% 34% 0% 5% -5% 65% 27% 6% 2% 2%	11,527,745 58% 3% 30% 5% 2% 2% 379,932 45% 55% 0% -7% 62% 29% 5% 2% 1% 62% 29% 1% 379,932	11,952,855 56% 4% 31% 5% 2% 2% 519,117 38% 58% 2% 0% 7% -5% 62% 29% 29% 2% 2% 29% 42% 42%	13,768,799 56% 6% 29% 5% 2% 528,939 45% 56% 2% 0% 5% -8% 64% 28% 5% 2% 2% 96.3% 3.7%

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

Notes: Percent totals may not equal 100% due to rounding.

Virtual Transactions are not reflected in this chart.

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

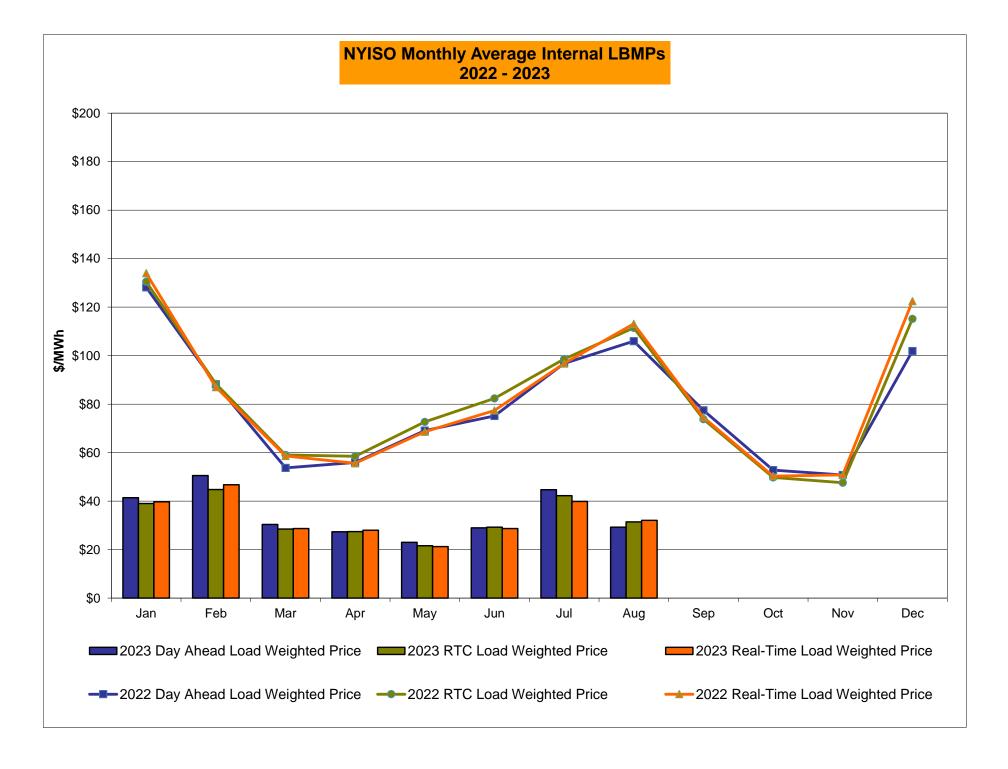
NYISO Markets 2023 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August Se	eptember e	October	November	<u>December</u>
DAY AHEAD LBMP												
Price *	\$40.60	\$47.82	\$29.84	\$26.91	\$22.41	\$27.67	\$41.75	\$28.18				
Standard Deviation	\$10.32	\$47.20	\$7.42	\$6.50	\$6.46	\$9.25	\$24.21	\$8.54				
Load Weighted Price **	\$41.37	\$50.55	\$30.37	\$27.38	\$23.02	\$28.99	\$44.71	\$29.28				
RTC LBMP												
Price *	\$38.28	\$42.67	\$28.02	\$26.93	\$21.13	\$27.94	\$40.11	\$30.37				
Standard Deviation	\$31.37	\$39.75	\$11.53	\$9.23	\$7.61	\$12.06	\$25.96	\$12.80				
Load Weighted Price **	\$39.04	\$44.80	\$28.49	\$27.39	\$21.62	\$29.24	\$42.24	\$31.41				
REAL TIME LBMP												
Price *	\$38.76	\$43.99	\$28.15	\$27.41	\$20.76	\$27.44	\$37.88	\$30.75				
Standard Deviation	\$45.06	\$43.54	\$15.02	\$13.08	\$9.13	\$12.38	\$23.42	\$21.44				
Load Weighted Price **	\$39.68	\$46.75	\$28.72	\$27.97	\$21.27	\$28.66	\$39.88	\$32.06				
Average Daily Energy Sendout/Month GWh	410	408	387	349	350	401	503	450				

NYISO Markets 2022 Energy Statistics

	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	<u>December</u>
DAY AHEAD LBMP												
Price *	\$124.39	\$85.98	\$52.41	\$55.23	\$66.11	\$72.43	\$90.42	\$100.71	\$74.23	\$51.77	\$49.08	\$98.20
Standard Deviation	\$51.94	\$39.56	\$18.64	\$11.05	\$21.60	\$19.84	\$40.00	\$33.52	\$22.13	\$11.85	\$20.31	\$64.21
Load Weighted Price **	\$128.16	\$88.17	\$53.69	\$55.96	\$69.05	\$75.15	\$96.74	\$105.93	\$77.41	\$52.79	\$50.77	\$101.90
RTC LBMP												
Price *	\$127.16	\$85.48	\$57.58	\$57.33	\$68.27	\$78.66	\$92.25	\$104.69	\$70.59	\$48.87	\$45.91	\$109.15
Standard Deviation	\$77.62	\$55.20	\$38.62	\$21.09	\$42.87	\$49.85	\$49.28	\$51.96	\$28.06	\$13.16	\$24.06	\$190.04
Load Weighted Price **	\$130.45	\$88.33	\$59.03	\$58.49	\$72.67	\$82.33	\$98.61	\$111.42	\$73.81	\$49.76	\$47.58	\$115.16
REAL TIME LBMP												
Price *	\$130.43	\$83.85	\$57.00	\$54.45	\$65.07	\$74.01	\$90.23	\$105.61	\$71.11	\$49.26	\$48.62	\$114.54
Standard Deviation	\$93.35	\$57.99	\$44.52	\$20.46	\$33.01	\$41.27	\$54.20	\$69.83	\$30.72	\$17.89	\$37.20	\$216.43
Load Weighted Price **	\$133.98	\$86.99	\$58.64	\$55.57	\$68.60	\$77.40	\$96.79	\$113.16	\$74.57	\$50.30	\$50.78	\$122.49
Average Daily Energy Sendout/Month GWh	451	429	390	359	372	422	509	514	411	359	382	421

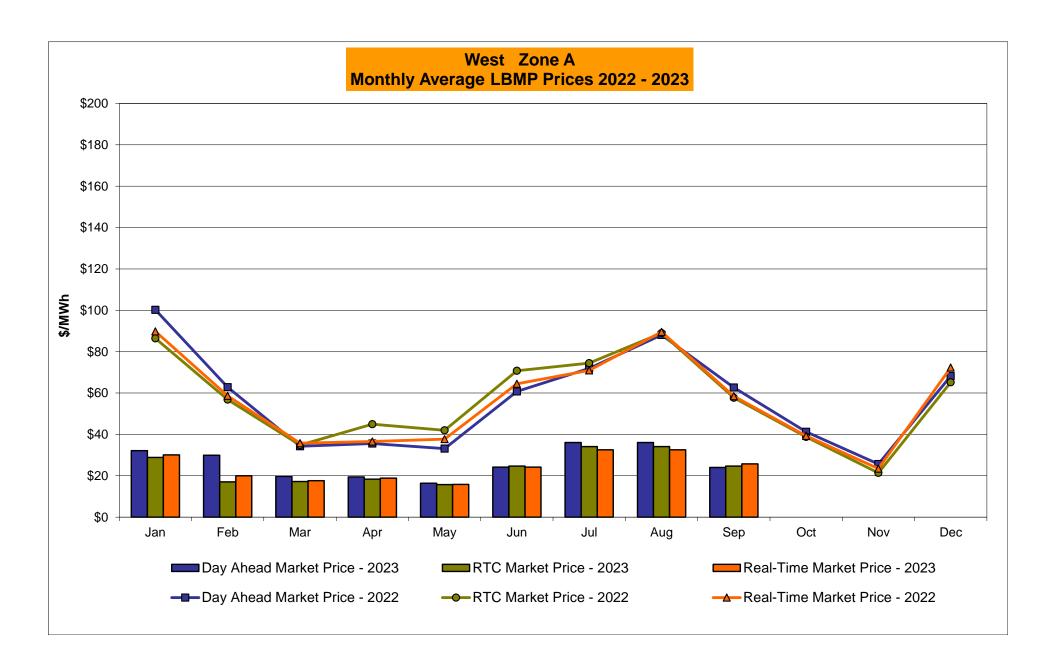
^{*} Average zonal load weighted prices.
** Average zonal load weighted prices, load weighted in each hour.

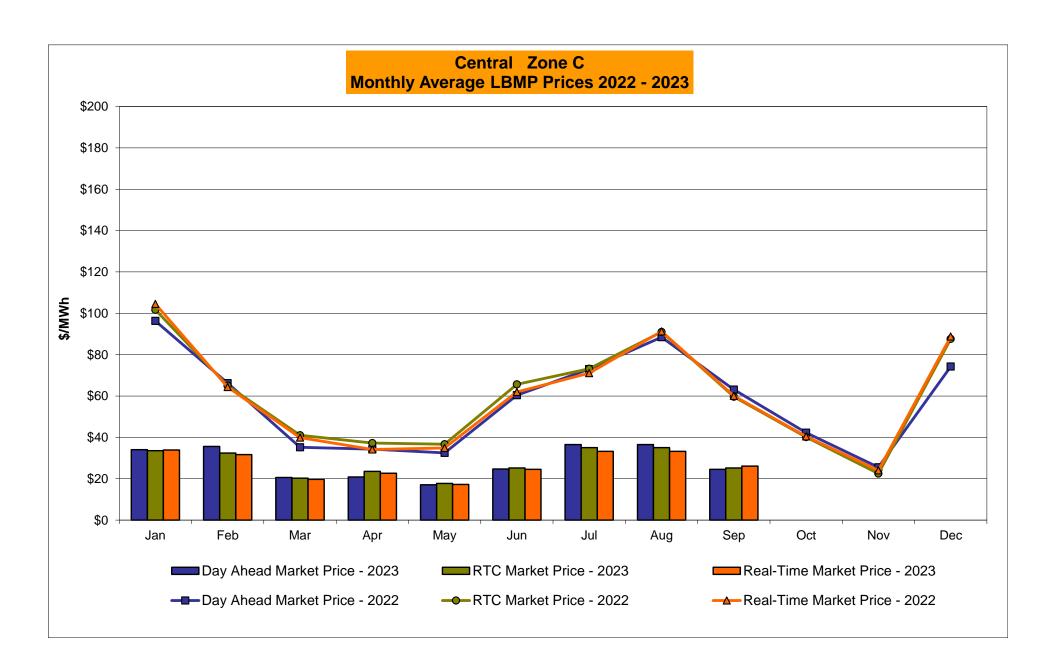


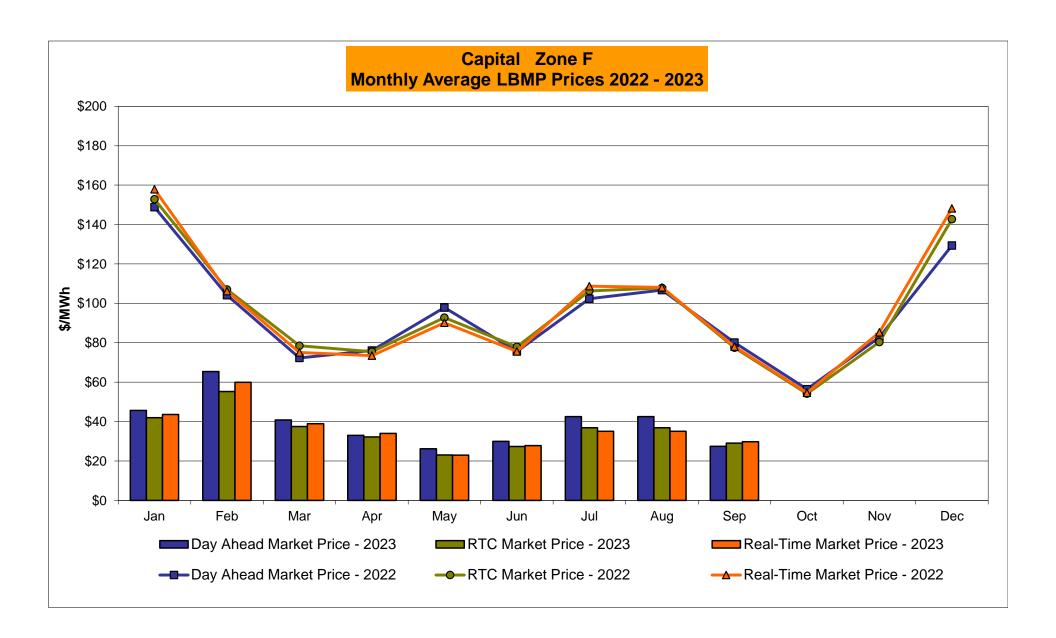
August 2023 Zonal LBMP Statistics for NYISO (\$/MWh)

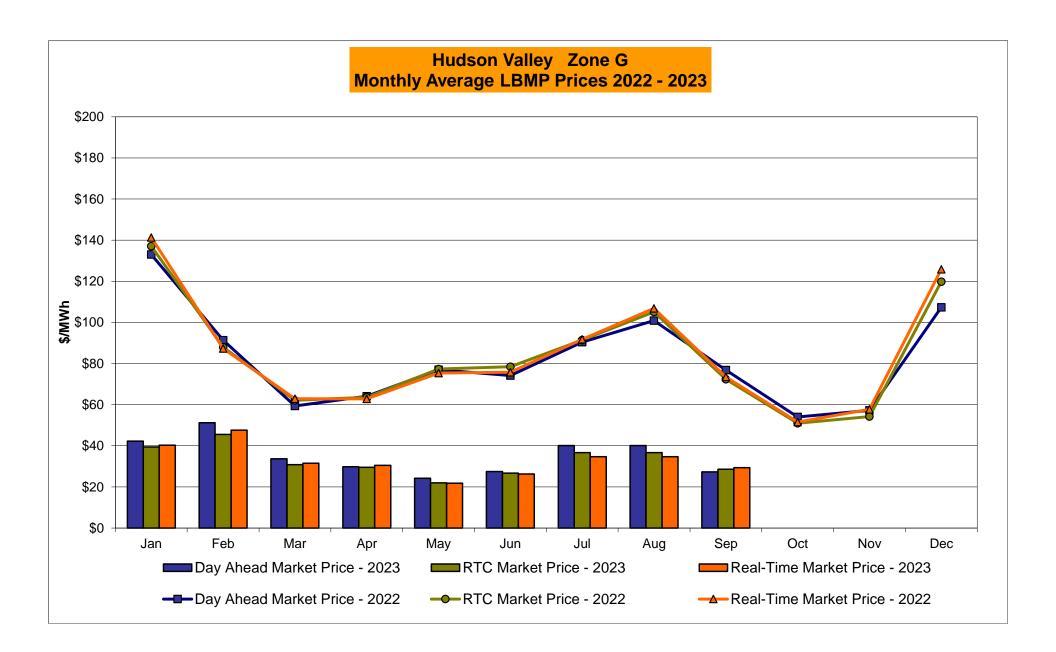
					MOHAWK		HUDSON			NEW YORK	LONG
	WEST	GENESEE	NORTH	CENTRAL	VALLEY	CAPITAL	VALLEY	MILLWOOD	DUNWOODIE	CITY	ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP											
Unweighted Price *	24.05	24.15	22.41	24.51	25.01	27.42	27.29	27.62	27.73	27.98	36.99
Standard Deviation	5.92	6.00	7.38	6.14	6.29	7.50	7.29	7.49	7.50	7.65	18.68
RTC LBMP											
Unweighted Price *	24.68	24.74	16.20	25.20	25.60	29.05	28.62	28.98	29.08	29.63	45.26
Standard Deviation	9.53	9.81	55.44	9.76	10.23	7.55	7.38	7.40	7.44	8.28	48.22
REAL TIME LBMP											
Unweighted Price *	25.73	25.71	16.56	26.08	26.51	29.79	29.39	30.01	30.16	30.81	42.67
Standard Deviation	18.76	18.87	60.29	19.00	19.49	18.67	19.10	19.18	19.26	20.35	41.23
		HYDRO	HYDRO			CROSS					
	ONTARIO	HYDRO QUEBEC	HYDRO QUEBEC		NEW		NORTHPORT-				
	ONTARIO IESO	QUEBEC	_	PJM	NEW ENGLAND		NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
	-	QUEBEC	QUEBEC	PJM		SOUND	-	NEPTUNE Controllable	LINDEN VFT	HUDSON Controllable	Dennison Controllable
	-	QUEBEC	QUEBEC	PJM <u>Zone P</u>		SOUND CABLE	NORWALK	_			
DAY AHEAD LBMP	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	Controllable	Controllable
DAY AHEAD LBMP Unweighted Price *	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	Controllable	Controllable
	IESO Zone O	QUEBEC (Wheel) Zone M	QUEBEC (Import/Export) Zone M	Zone P	ENGLAND Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
Unweighted Price *	Zone O 23.57	QUEBEC (Wheel) Zone M 22.51	QUEBEC (Import/Export) Zone M 22.51	Zone P 25.69	Zone N 26.48	SOUND CABLE Controllable Line 44.59	NORWALK Controllable Line	Controllable Line 31.93	Controllable Line 27.41	Controllable Line 27.68	Controllable Line 22.18
Unweighted Price * Standard Deviation	Zone O 23.57	QUEBEC (Wheel) Zone M 22.51	QUEBEC (Import/Export) Zone M 22.51	Zone P 25.69	Zone N 26.48	SOUND CABLE Controllable Line 44.59	NORWALK Controllable Line	Controllable Line 31.93	Controllable Line 27.41	Controllable Line 27.68	Controllable Line 22.18
Unweighted Price * Standard Deviation RTC LBMP	Zone O 23.57 5.70	QUEBEC (Wheel) Zone M 22.51 7.19	QUEBEC (Import/Export) Zone M 22.51 7.19	Zone P 25.69 6.45	Zone N 26.48 6.05	SOUND CABLE Controllable Line 44.59 37.40	NORWALK Controllable Line 29.72 6.84	Controllable Line 31.93 9.37	Controllable Line 27.41 7.00	Controllable Line 27.68 7.47	Controllable Line 22.18 7.44
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation REAL TIME LBMP	Zone O 23.57 5.70	QUEBEC (Wheel) Zone M 22.51 7.19	QUEBEC (Import/Export) Zone M 22.51 7.19	Zone P 25.69 6.45	Zone N 26.48 6.05	SOUND CABLE Controllable Line 44.59 37.40	NORWALK Controllable Line 29.72 6.84	200 Street Stree	27.41 7.00	27.68 7.47	22.18 7.44
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	Zone O 23.57 5.70	QUEBEC (Wheel) Zone M 22.51 7.19	QUEBEC (Import/Export) Zone M 22.51 7.19	Zone P 25.69 6.45	Zone N 26.48 6.05	SOUND CABLE Controllable Line 44.59 37.40	NORWALK Controllable Line 29.72 6.84	200 Street Stree	27.41 7.00	27.68 7.47	22.18 7.44

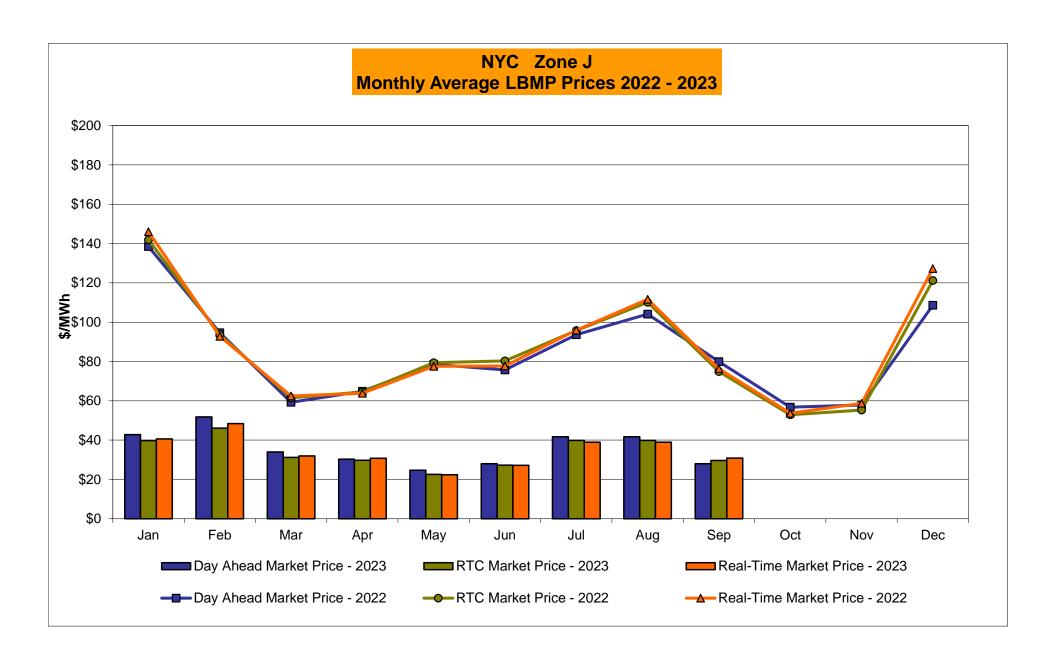
^{*} Straight LBMP averages

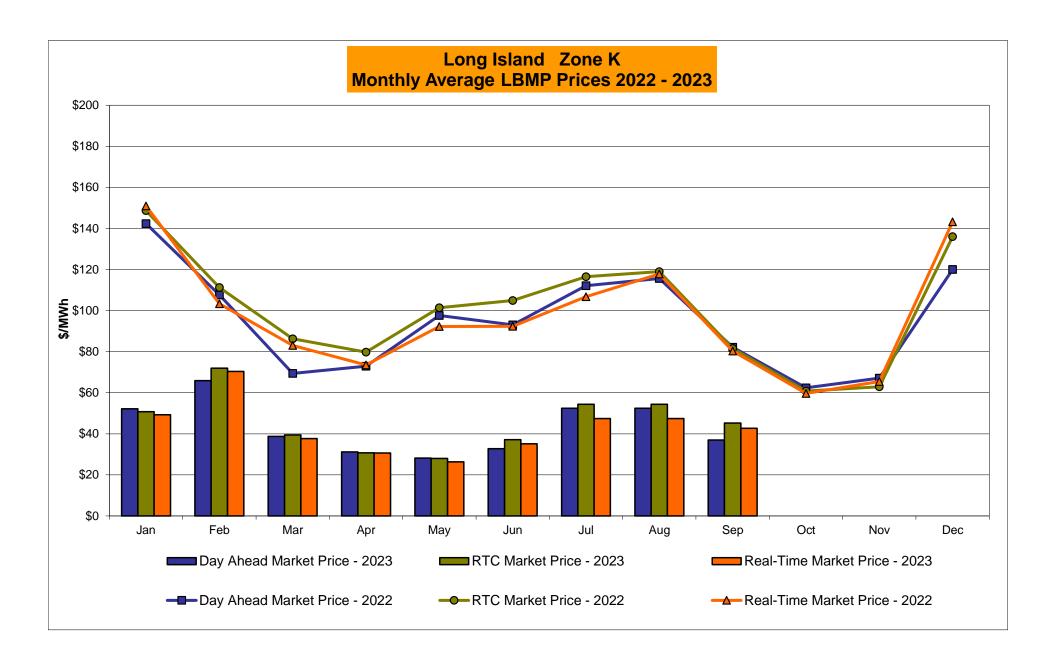


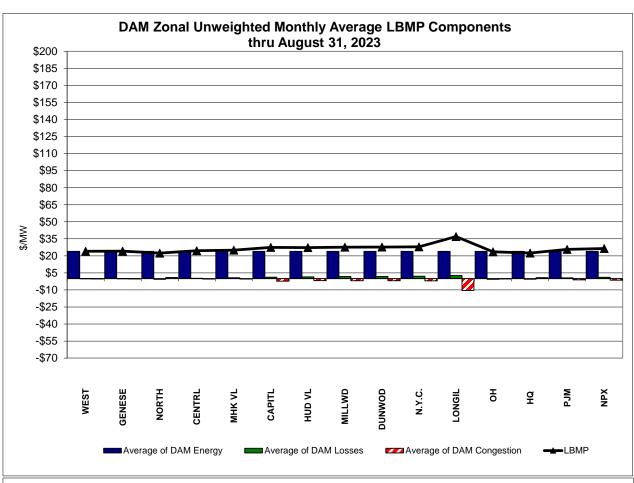


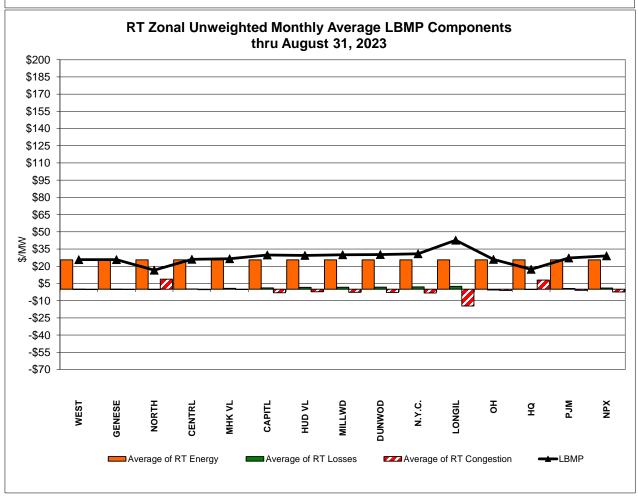




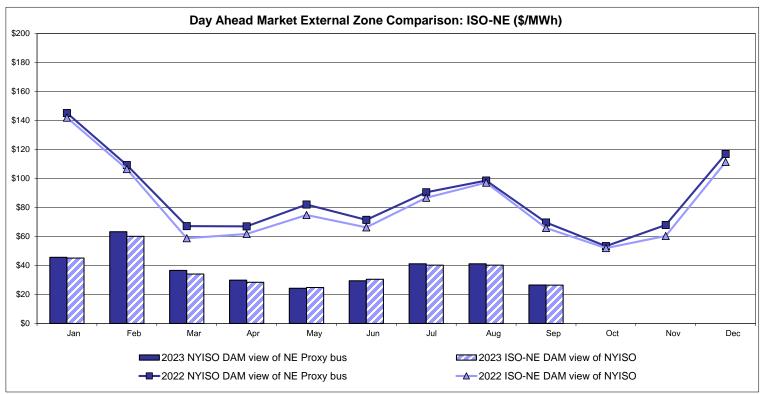


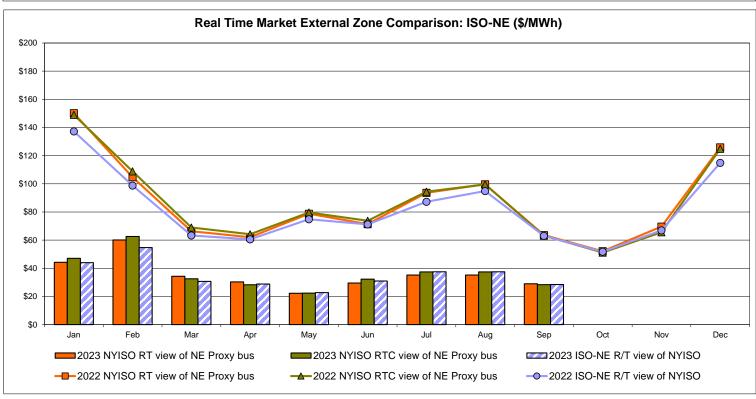




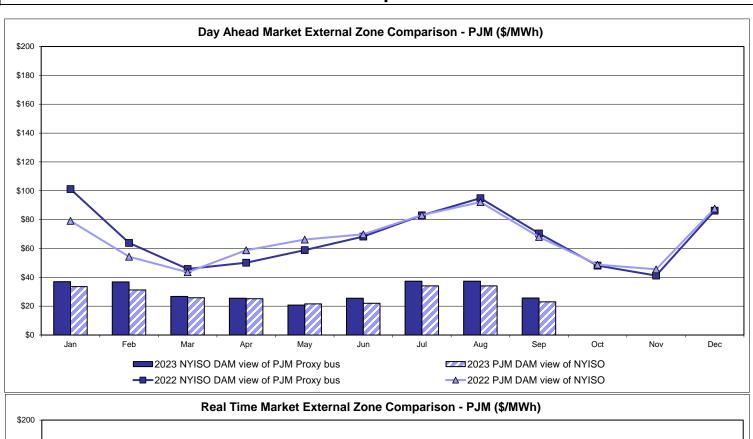


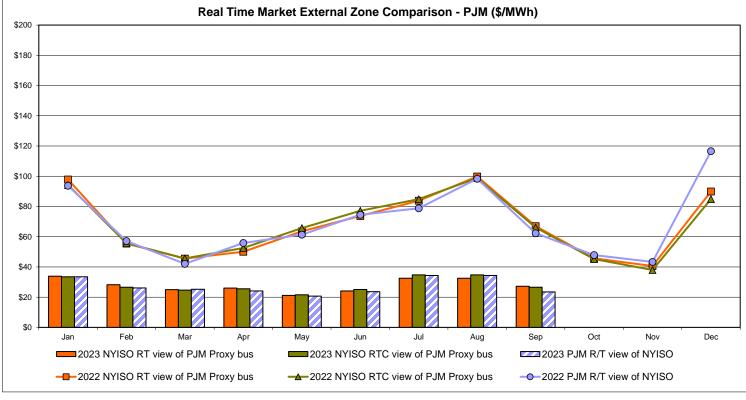
External Comparison ISO-New England



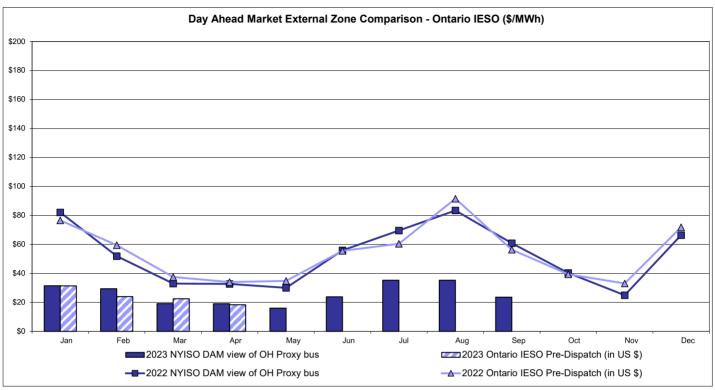


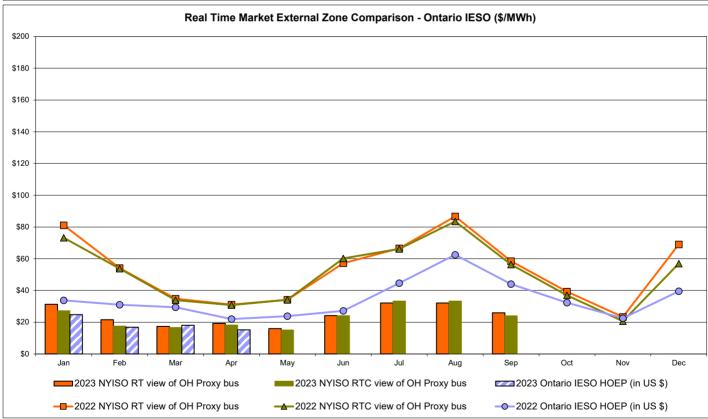
External Comparison PJM





External Comparison Ontario IESO

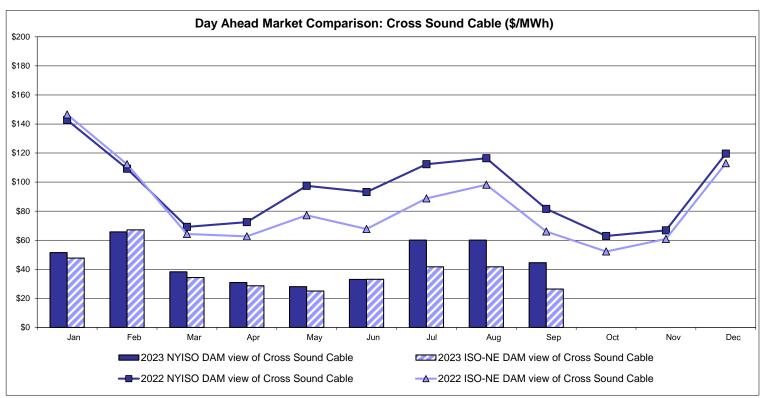


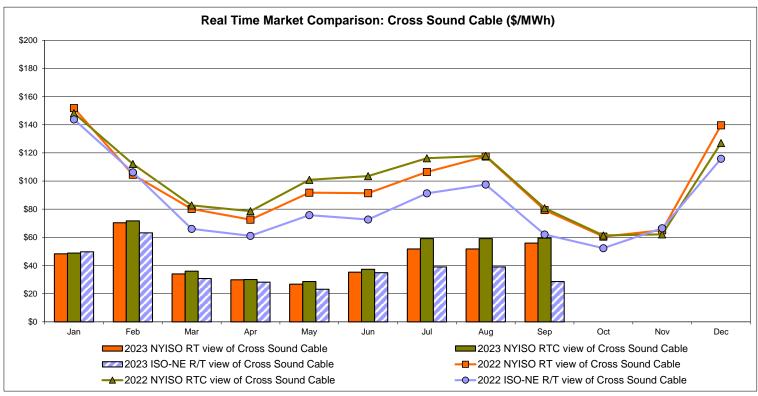


Notes: Exchange factor used for August 2023 was CAD to US

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

External Controllable Line: Cross Sound Cable (New England)





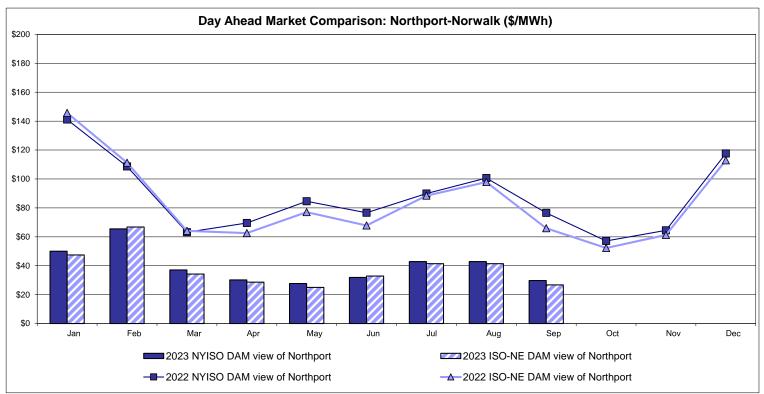
Note:

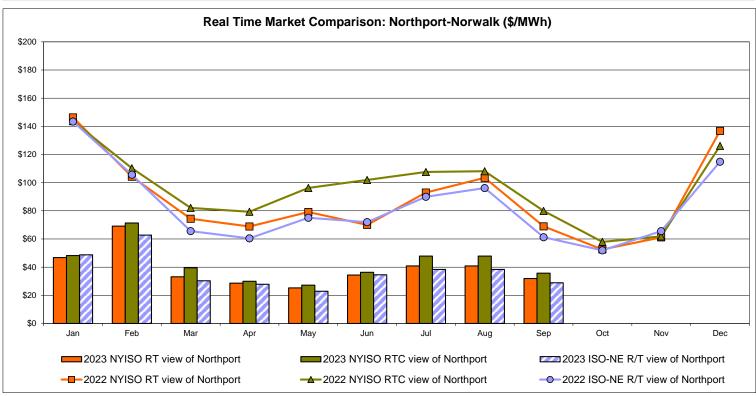
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)





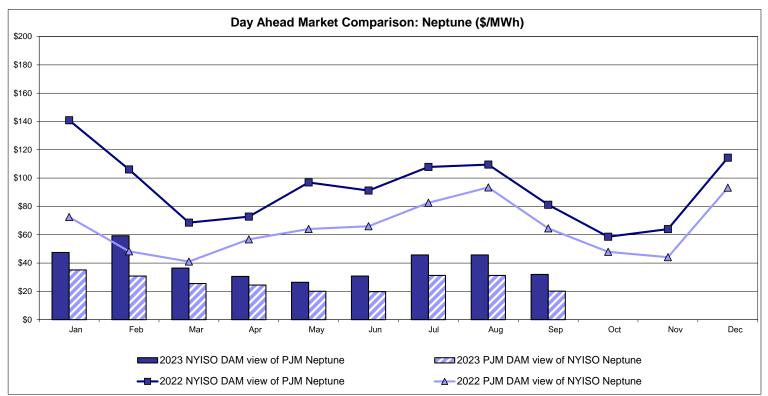
Note:

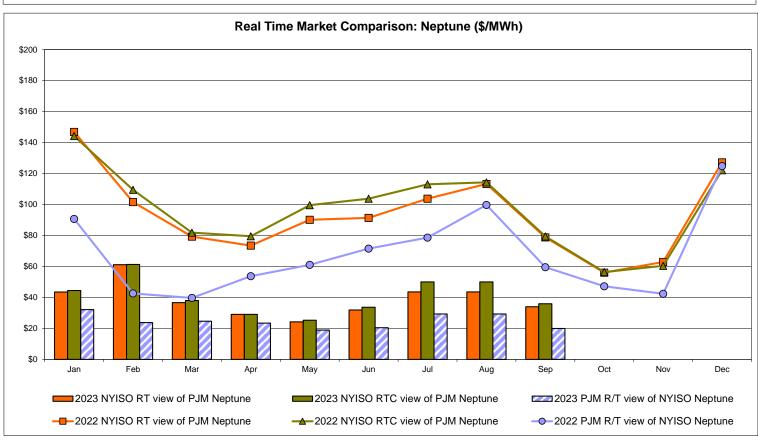
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

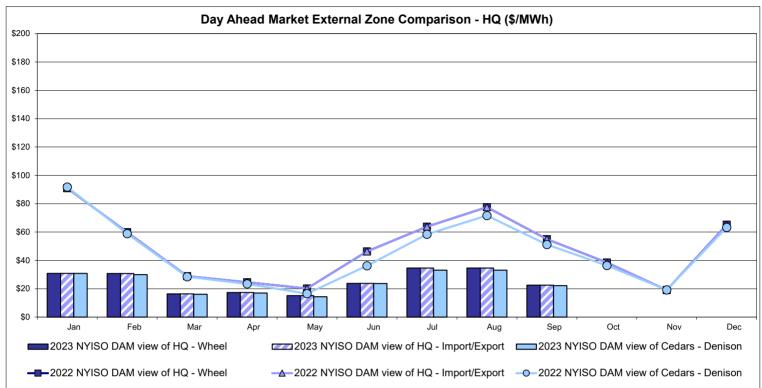
The DAM and R/T prices at the 1385 interface are used for NYISO.

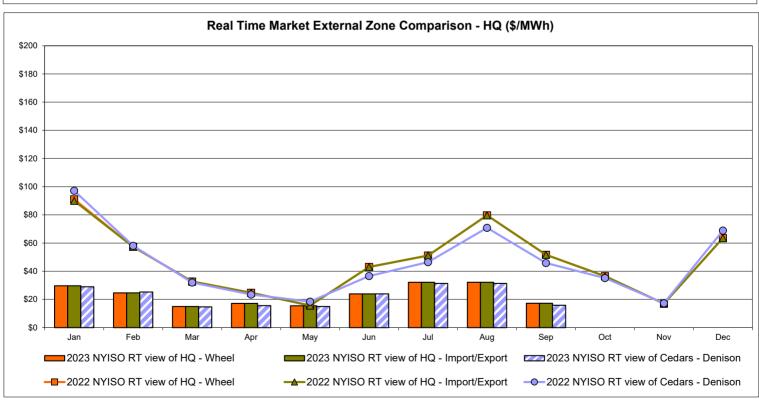
External Controllable Line: Neptune (PJM)



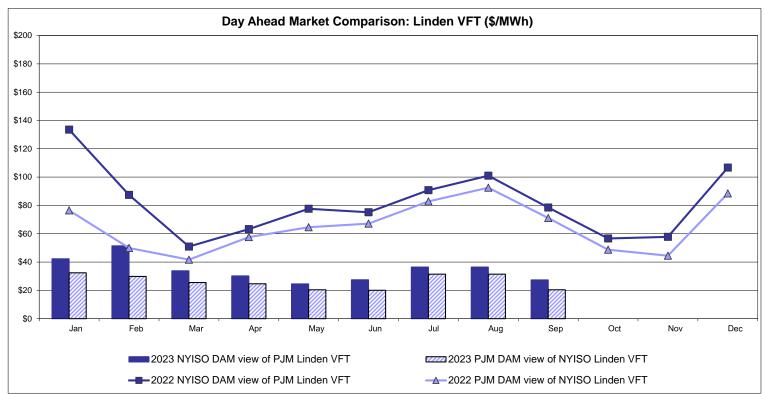


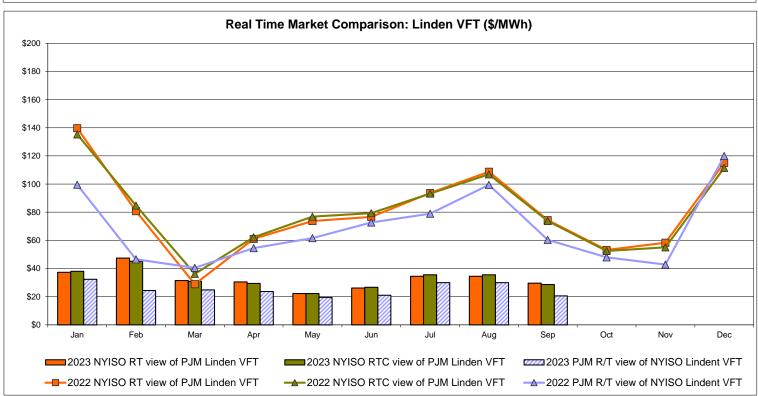
External Comparison Hydro-Quebec



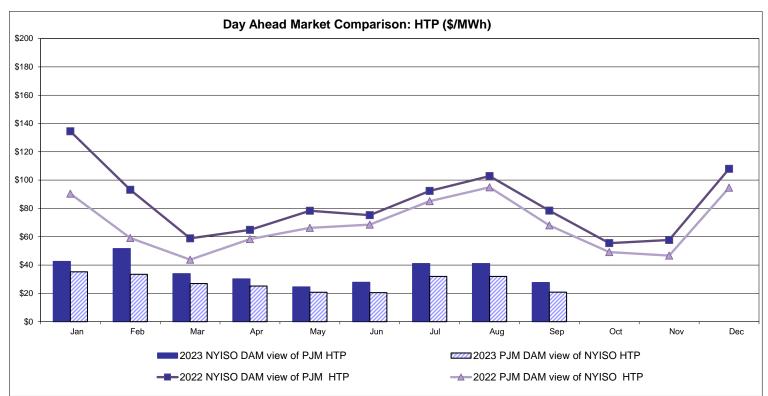


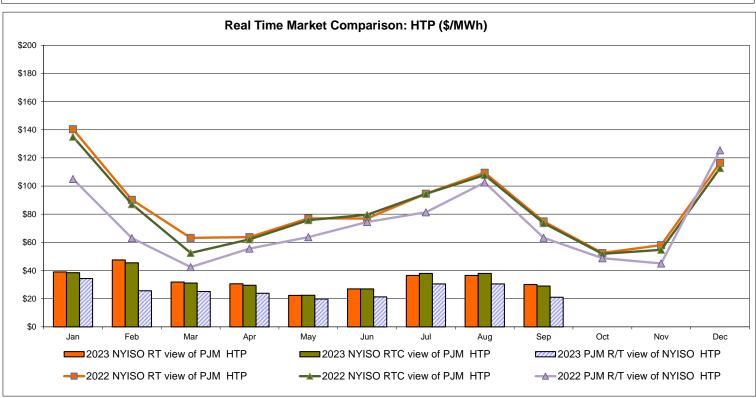
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)

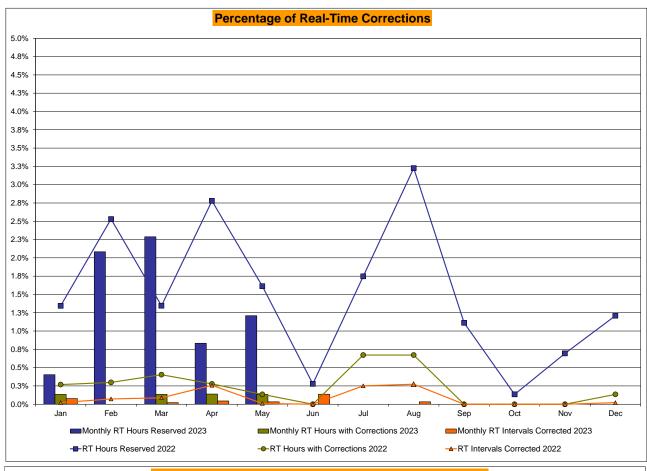


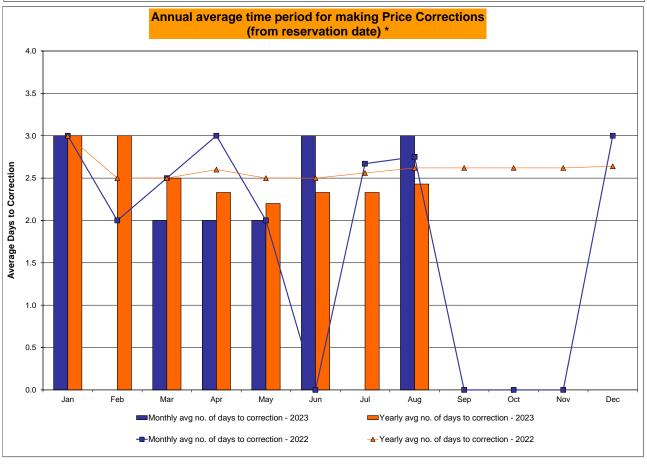


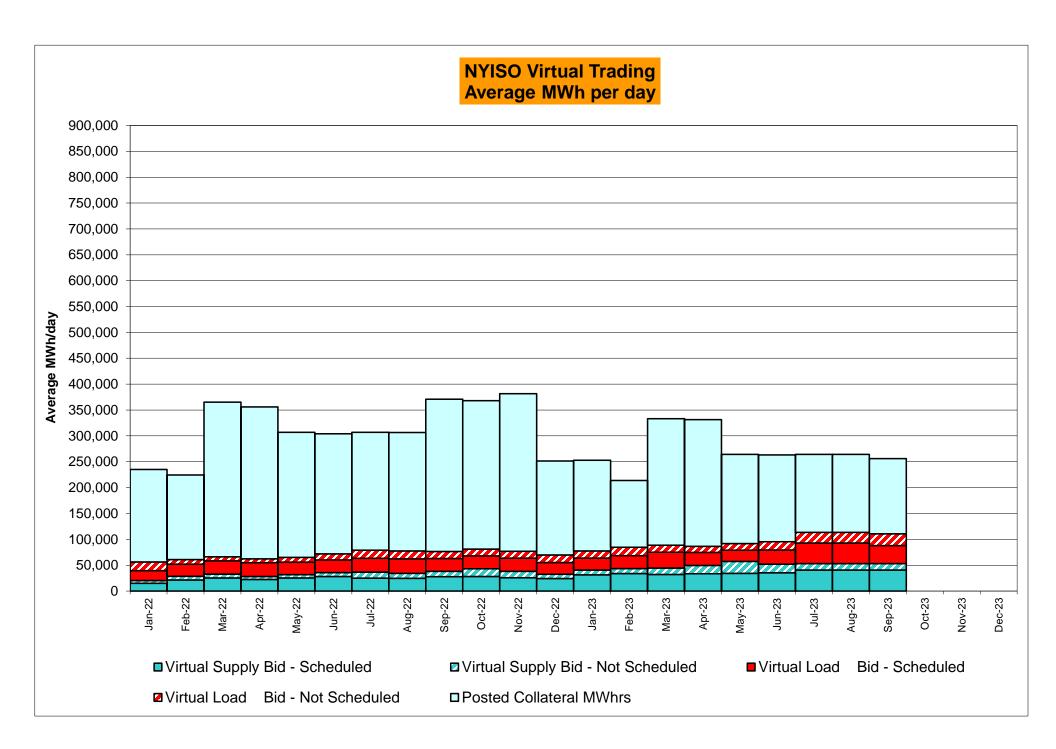
NYISO Real Time Price Correction Statistics

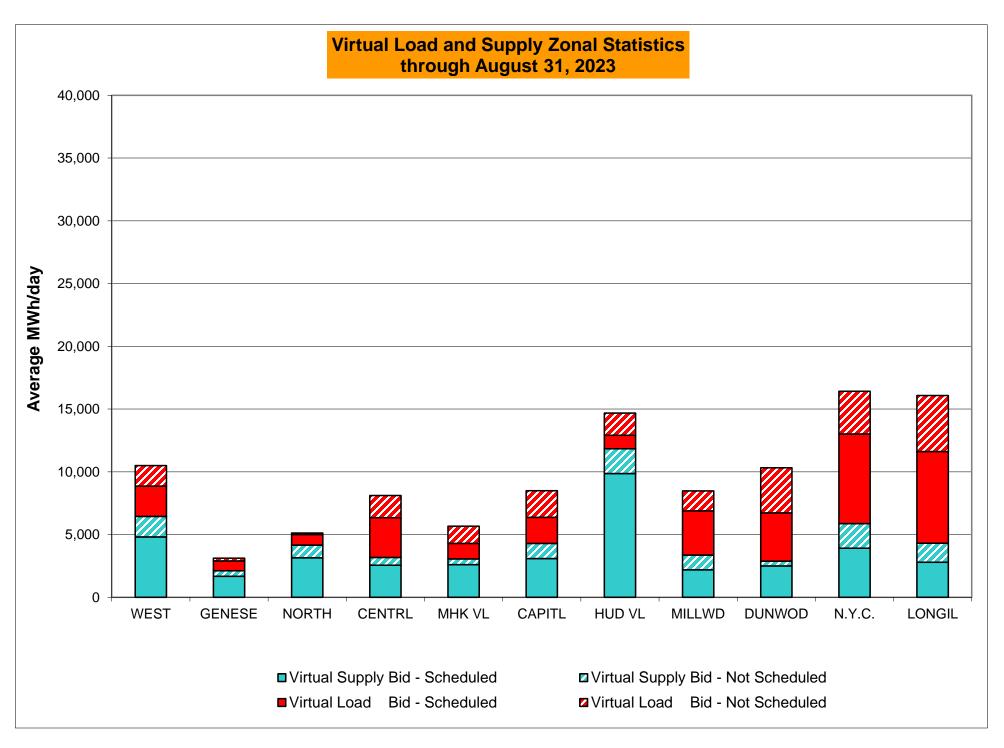
2023 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Number of hours with corrections	in the month	1	0	1	1	1	4	0	1				
Number of hours	in the month	744	672	743	720	744	720	744	744				
% of hours with corrections	in the month	0.13%	0.00%	0.13%	0.14%	0.13%	0.56%	0.00%	0.13%				
% of flours with corrections	in the month	0.13%	0.00%	0.1376	0.1470	0.13%	0.30%	0.00%	0.13%				
% of hours with corrections	year-to-date	0.13%	0.07%	0.09%	0.10%	0.11%	0.18%	0.16%	0.15%				
Interval Corrections													
Number of intervals corrected	in the month	7	0	2	4	3	12	0	3				
Number of intervals	in the month	9,082	8,373	9,171	8,890	9,160	8,733	9,085	9,107				
% of intervals corrected	in the month	0.08%	0.00%	0.02%	0.04%	0.03%	0.14%	0.00%	0.03%				
% of intervals corrected	year-to-date	0.08%	0.04%	0.03%	0.04%	0.04%	0.05%	0.04%	0.04%				
Hours Reserved													
Number of hours reserved	in the month	3	14	17	6	9	18	24	9				
Number of hours	in the month	744	672	743	720	744	720	744	744				
% of hours reserved	in the month	0.40%	2.08%	2.29%	0.83%	1.21%	2.50%	3.23%	1.21%				
% of hours reserved	year-to-date	0.40%	1.20%	1.57%	1.39%	1.35%	1.54%	1.79%	1.71%				
Days to Correction *	•												_
Avg. number of days to correction	in the month	3.00	0.00	2.00	2.00	2.00	3.00	0.00	3.00				
Avg. number of days to correction	year-to-date	3.00	3.00	2.50	2.33	2.20	2.33	2.33	2.43				
Days Without Corrections													
Days without corrections	in the month	30	28	30	29	29	29	31	30				
Days without corrections	year-to-date	30	58	88	117	146	175	206	236				
•	•												
2022		<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>May</u>							December
	in the month	<u>January</u> 2	2	3	April 2	<u>May</u> 1	<u>June</u> 0	<u>July</u> 5	5	September 0	0	November 0	1
Hour Corrections	in the month in the month	· 											
Hour Corrections Number of hours with corrections		2	2	3	2	1	0	5	5	0	0	0	1
Hour Corrections Number of hours with corrections Number of hours	in the month	2 744	2 672	3 743	2 720	1 744	0 720	5 744	5 744	0 720	0 744	0 721	1 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	2 744 0.27%	2 672 0.30%	3 743 0.40%	2 720 0.28%	1 744 0.13%	0 720 0.00%	5 744 0.67%	5 744 0.67%	0 720 0.00%	0 744 0.00%	0 721 0.00%	1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month in the month	2 744 0.27%	2 672 0.30%	3 743 0.40%	2 720 0.28%	1 744 0.13%	0 720 0.00%	5 744 0.67%	5 744 0.67%	0 720 0.00%	0 744 0.00%	0 721 0.00%	1 744 0.13%
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	2 744 0.27% 0.27%	2 672 0.30% 0.28%	3 743 0.40% 0.32%	2 720 0.28% 0.31%	1 744 0.13% 0.28%	0 720 0.00% 0.23%	5 744 0.67% 0.29%	5 744 0.67% 0.34%	0 720 0.00% 0.31%	0 744 0.00% 0.27%	0 721 0.00% 0.25%	1 744 0.13% 0.24%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected	in the month in the month year-to-date in the month	2 744 0.27% 0.27%	2 672 0.30% 0.28%	3 743 0.40% 0.32%	2 720 0.28% 0.31%	1 744 0.13% 0.28%	0 720 0.00% 0.23%	5 744 0.67% 0.29%	5 744 0.67% 0.34%	0 720 0.00% 0.31%	0 744 0.00% 0.27%	0 721 0.00% 0.25%	1 744 0.13% 0.24%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	2 744 0.27% 0.27% 2 9,258 0.02%	2 672 0.30% 0.28% 6 8,338 0.07%	3 743 0.40% 0.32% 8 9,118 0.09%	2 720 0.28% 0.31% 23 8,908 0.26%	1 744 0.13% 0.28% 1 9,181 0.01%	0 720 0.00% 0.23% 0 8,864 0.00%	5 744 0.67% 0.29% 23 9,140 0.25%	5 744 0.67% 0.34% 25 9,145 0.27%	0 720 0.00% 0.31% 0 8,825 0.00%	0 744 0.00% 0.27% 0 9,097 0.00%	0 721 0.00% 0.25% 0 8,857 0.00%	1 744 0.13% 0.24% 2 9,317 0.02%
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	2 744 0.27% 0.27% 2 9,258	2 672 0.30% 0.28%	3 743 0.40% 0.32%	2 720 0.28% 0.31% 23 8,908	1 744 0.13% 0.28%	0 720 0.00% 0.23% 0 8,864	5 744 0.67% 0.29% 23 9,140	5 744 0.67% 0.34% 25 9,145	0 720 0.00% 0.31% 0 8,825	0 744 0.00% 0.27% 0 9,097	0 721 0.00% 0.25% 0 8,857	1 744 0.13% 0.24% 2 9,317
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	2 744 0.27% 0.27% 2 9,258 0.02% 0.02%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11%	1 744 0.13% 0.28% 1 9,181 0.01% 0.09%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08%
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	2 744 0.27% 0.27% 2 9,258 0.02% 0.02%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11%	1 744 0.13% 0.28% 1 9,181 0.01% 0.09%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08%
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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	2 744 0.27% 0.27% 2 9,258 0.02% 0.02%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11%	1 744 0.13% 0.28% 1 9,181 0.01% 0.09%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08%
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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	2 744 0.27% 0.27% 2 9,258 0.02% 0.02% 10 744 1.34% 1.34%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672 2.53% 1.91%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743 1.35% 1.71%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20 720 2.78% 1.98%	1 744 0.13% 0.28% 1 9,181 0.01% 0.09% 12 744 1.61% 1.90%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720 0.28% 1.63%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744 1.75% 1.65%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744 3.23% 1.85%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8 720 1.11% 1.77%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744 0.13% 1.60%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721 0.69% 1.52%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08% 9 744 1.21% 1.50%
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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	2 744 0.27% 0.27% 2 9,258 0.02% 0.02% 10 744 1.34% 1.34%	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672 2.53% 1.91%	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743 1.35% 1.71%	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20 720 2.78% 1.98%	1 744 0.13% 0.28% 1 9,181 0.01% 0.09% 12 744 1.61% 1.90%	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720 0.28% 1.63%	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744 1.75% 1.65%	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744 3.23% 1.85%	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8 720 1.11% 1.77%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744 0.13% 1.60%	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721 0.69% 1.52%	1 744 0.13% 0.24% 2 9,317 0.02% 0.08% 9 744 1.21% 1.50%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Mumber of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved Number of days to correction Avg. number of days to correction Days Without Corrections	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month year-to-date	2 744 0.27% 0.27% 2 9,258 0.02% 0.02% 10 744 1.34% 1.34% 3.00 3.00	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672 2.53% 1.91% 2.00 2.50	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743 1.35% 1.71% 2.50 2.50	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20 720 2.78% 1.98% 3.00 2.60	1 744 0.13% 0.28% 1 9,181 0.01% 0.09% 12 744 1.61% 1.90% 2.50	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720 0.28% 1.63% 0.00 2.50	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744 1.75% 1.65% 2.67 2.56	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744 3.23% 1.85% 2.75 2.62	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8 720 1.11% 1.77%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744 0.13% 1.60% 0.00 2.62	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721 0.69% 1.52% 0.00 2.62	1 744 0.13% 0.24% 2 9,317 0.02% 0.08% 9 744 1.21% 1.50% 3.00 2.64
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved % of hours reserved Avg. number of days to correction Avg. number of days to correction Days Without Corrections Days without corrections	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month year-to-date in the month	2 744 0.27% 0.27% 2 9,258 0.02% 0.02% 10 744 1.34% 1.34% 3.00 3.00	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672 2.53% 1.91% 2.00 2.50	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743 1.35% 1.71% 2.50 2.50	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20 720 2.78% 1.98% 3.00 2.60	1 744 0.13% 0.28% 1 9,181 0.01% 0.09% 12 744 1.61% 1.90% 2.50	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720 0.28% 1.63% 0.00 2.50	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744 1.75% 1.65% 2.67 2.56	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744 3.23% 1.85% 2.75 2.62	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8 720 1.11% 1.77% 0.00 2.62	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744 0.13% 1.60% 0.00 2.62	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721 0.69% 1.52% 0.00 2.62	1 744 0.13% 0.24% 2 9,317 0.02% 0.08% 9 744 1.21% 1.50% 3.00 2.64
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Mumber of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved Number of days to correction Avg. number of days to correction Days Without Corrections	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month year-to-date	2 744 0.27% 0.27% 2 9,258 0.02% 0.02% 10 744 1.34% 1.34% 3.00 3.00	2 672 0.30% 0.28% 6 8,338 0.07% 0.05% 17 672 2.53% 1.91% 2.00 2.50	3 743 0.40% 0.32% 8 9,118 0.09% 0.06% 10 743 1.35% 1.71% 2.50 2.50	2 720 0.28% 0.31% 23 8,908 0.26% 0.11% 20 720 2.78% 1.98% 3.00 2.60	1 744 0.13% 0.28% 1 9,181 0.01% 0.09% 12 744 1.61% 1.90% 2.50	0 720 0.00% 0.23% 0 8,864 0.00% 0.07% 2 720 0.28% 1.63% 0.00 2.50	5 744 0.67% 0.29% 23 9,140 0.25% 0.10% 13 744 1.75% 1.65% 2.67 2.56	5 744 0.67% 0.34% 25 9,145 0.27% 0.12% 24 744 3.23% 1.85% 2.75 2.62	0 720 0.00% 0.31% 0 8,825 0.00% 0.11% 8 720 1.11% 1.77%	0 744 0.00% 0.27% 0 9,097 0.00% 0.10% 1 744 0.13% 1.60% 0.00 2.62	0 721 0.00% 0.25% 0 8,857 0.00% 0.09% 5 721 0.69% 1.52% 0.00 2.62	1 744 0.13% 0.24% 2 9,317 0.02% 0.08% 9 744 1.21% 1.50% 3.00 2.64

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



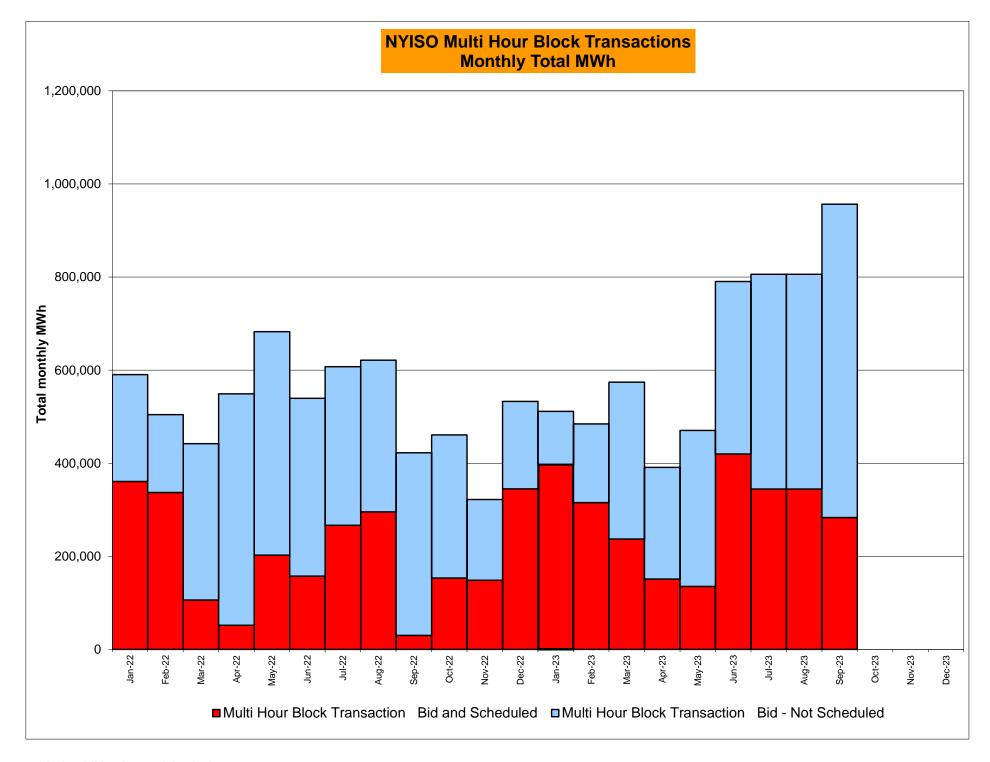


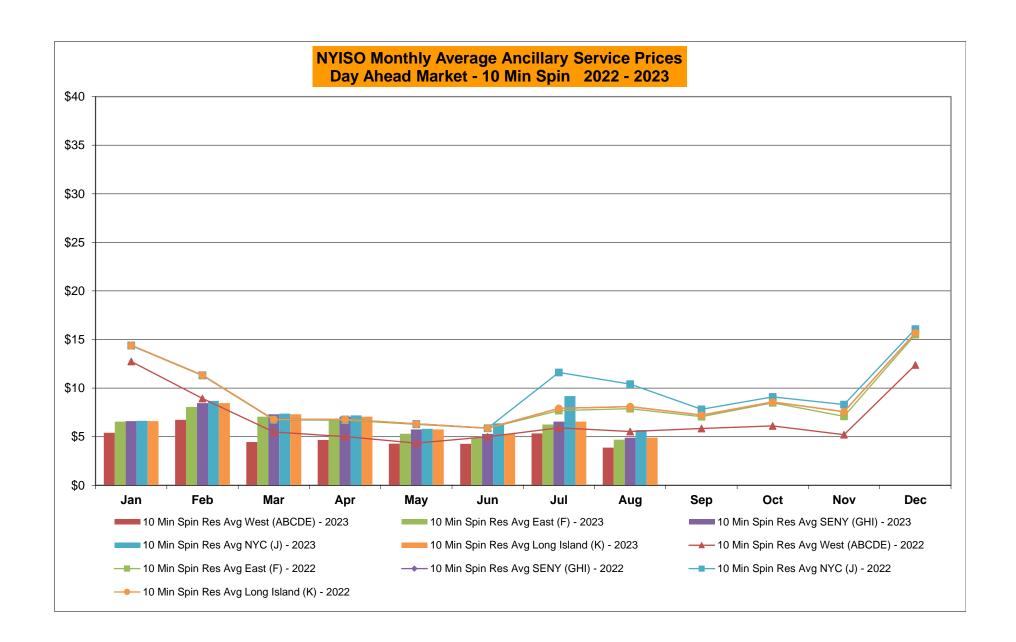


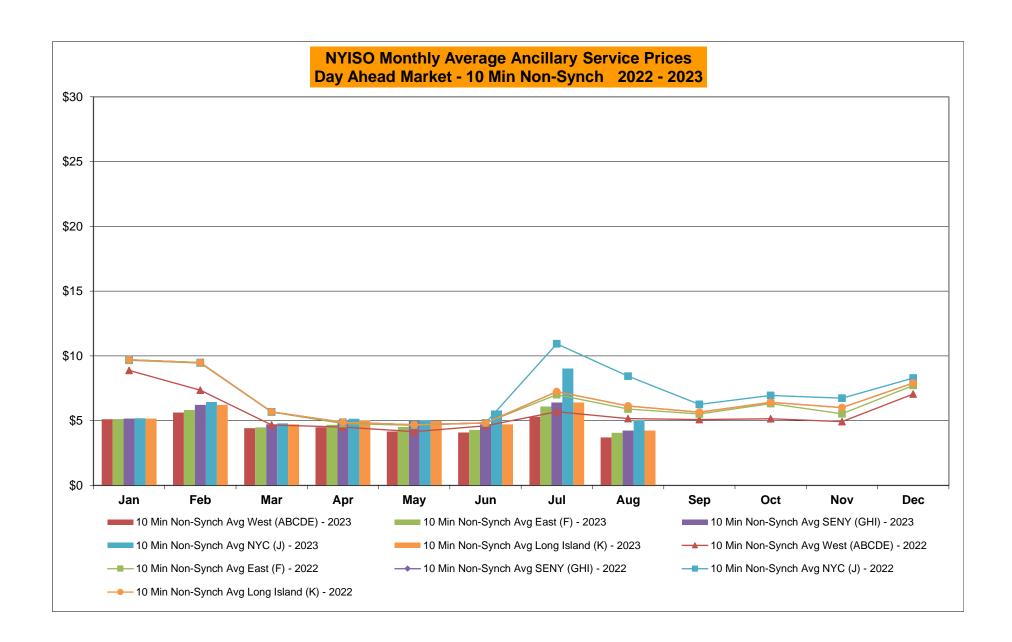


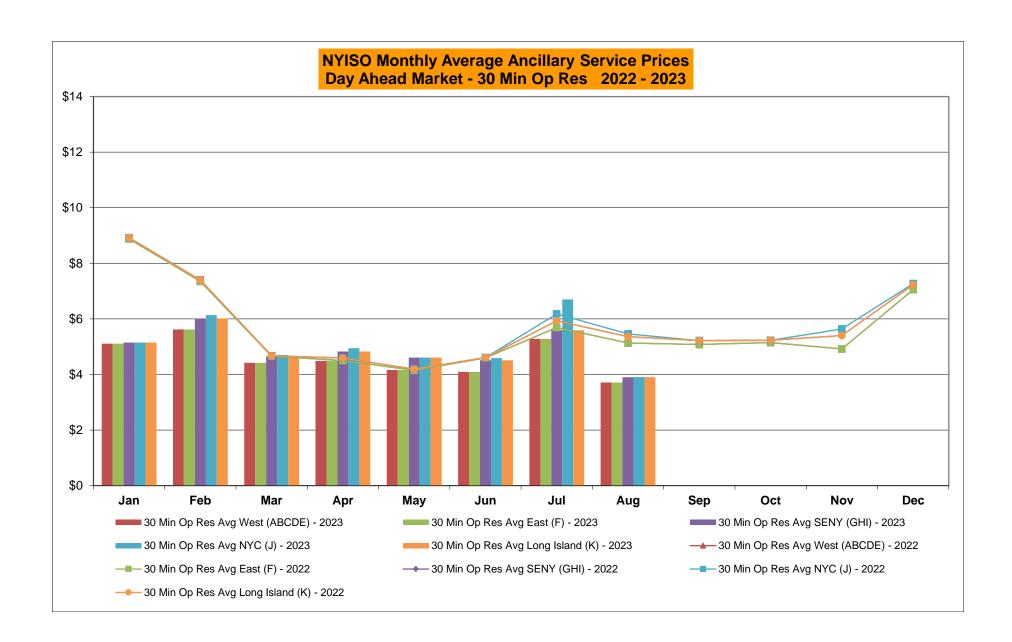
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2023

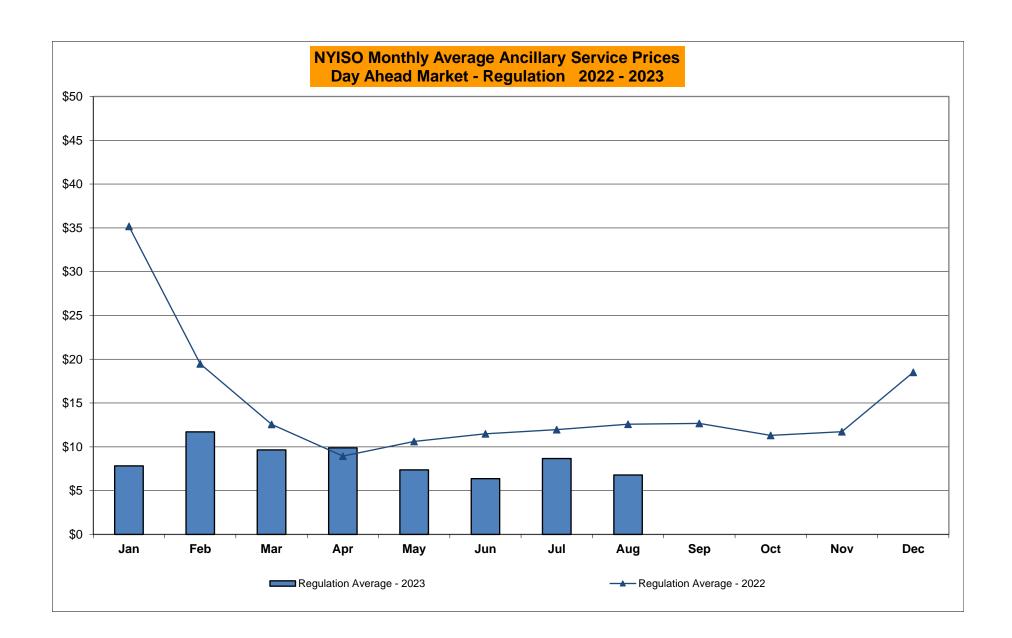
		Virtual L	oad Bid	Virtual S	upply Bid			Virtual L	oad Bid	Virtual Su	upply Bid			Virtual I	Load Bid	Virtual Su	upply Bid
			Not		Not				Not		Not				Not		Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled
WEST	Jan-23	3,364	1,605	5,555	1,026	MHK VL	Jan-23	1,312	1,038	1,590	558	DUNWOD	Jan-23	862	1,623	1,884	319
	Feb-23	2,266	1,863	6,652	1,270		Feb-23	1,146	1,395	2,484	436		Feb-23				408
	Mar-23	3,318	1,373	5,353	2,062		Mar-23	1,815	829	1,488	1,135		Mar-23				
	Apr-23	2,407	1,561	5,939	1,245		Apr-23	1,182	841	1,556	450		Apr-23				
	May-23	2,572	1,636	3,868	1,941		May-23	1,165	1,312	2,365	567		May-23	1,434		2,719	680
	Jun-23	3,187	2,289	4,717	1,351		Jun-23	1,774	1,301	2,009	585		Jun-23				
	Jul-23	2,249	2,400	4,471	1,796		Jul-23	1,402	1,292	2,986	350		Jul-23				
	Aug-23	2,425	1,631	4,806	1,636		Aug-23	1,237	1,372	2,604	447		Aug-23	3,845	3,593	2,504	371
	Sep-23						Sep-23						Sep-23				
	Oct-23						Oct-23						Oct-23				
	Nov-23						Nov-23						Nov-23				
	Dec-23						Dec-23						Dec-23				
GENESE	Jan-23	1,005	469	1,438	255	CAPITL	Jan-23	1,762	834	1,824	917	N.Y.C.	Jan-23	2,674		4,516	
	Feb-23	1,136	523	1,480	586		Feb-23	1,902	1,166	2,655	729		Feb-23	2,663	2,398	3,564	
	Mar-23	835	495	1,562	905		Mar-23	3,256	1,595	2,454	594		Mar-23				
	Apr-23	982	746	1,817	584		Apr-23	2,509	960	2,303	695		Apr-23				
	May-23	721	408	1,807	568		May-23	1,691	681	2,810	736		May-23				
	Jun-23	933	520	1,811	529		Jun-23	2,121	783	3,359	808		Jun-23				
	Jul-23	747	412	1,947	394		Jul-23	2,610	863	3,616	1,027		Jul-23				
	Aug-23	790	224	1,674	435		Aug-23	2,081	2,114	3,087	1,208		Aug-23	7,143	3,406	3,912	1,955
	Sep-23						Sep-23						Sep-23				
	Oct-23						Oct-23						Oct-23				
	Nov-23						Nov-23						Nov-23				
	Dec-23						Dec-23						Dec-23				
NORTH	Jan-23	1,246	284	2,910	1,072	HUD VL	Jan-23	835	1,168	5,672	1,513	LONGIL	Jan-23				
	Feb-23	1,111	302	2,854	1,432		Feb-23	1,335	1,484	5,382	1,297		Feb-23				
	Mar-23	789	383	3,605	1,395		Mar-23	2,224	1,049	5,815	1,357		Mar-23	5,725			1,029
	Apr-23	615	332	3,338	854		Apr-23	896	846	8,301	7,864		Apr-23			2,087	746
	May-23	938	184	2,274	964		May-23	1,119	937	7,383	13,585		May-23				
	Jun-23	1,032	148	2,685	629		Jun-23	1,784	1,120	8,337	7,759		Jun-23				
	Jul-23	777	179	3,193	699		Jul-23	1,397	1,690	12,207	2,396		Jul-23				
	Aug-23	840	104	3,144	1,024	_	Aug-23	1,074	1,768	9,868	1,973		Aug-23		4,466	2,796	1,516
	Sep-23 Oct-23						Sep-23 Oct-23						Sep-23 Oct-23				
	Nov-23					_	Nov-23						Nov-23				
	Dec-23						Dec-23						Dec-23				
	Dec-23						Dec-23						Dec-23				
CENTRL	Jan-23	5,294	1,193	1,715	563	MILLWD	Jan-23	649	1,103	2,019	278	NYISO	Jan-23	23,122			
	Feb-23	6,851	1,526	2,219	703		Feb-23	888	1,228	2,021	434		Feb-23		16,118		
	Mar-23	6,340	843	1,355	1,520		Mar-23	1,616	992	1,938	736		Mar-23				12,525
	Apr-23	6,824	914	1,546	855		Apr-23	1,564	853	1,566	831		Apr-23				
	May-23	5,246	1,357	1,858	830		May-23	995	1,119	2,250	784		May-23				
	Jun-23	3,257	1,442	2,305	784		Jun-23	1,392	1,329	2,385	667		Jun-23				16,693
	Jul-23	3,351	1,609	2,416	423	_	Jul-23	4,935	1,437	1,914	1,124		Jul-23				
	Aug-23	3,177	1,759	2,562	608	_	Aug-23	3,526	1,592	2,188	1,174	_	Aug-23		22,030	39,145	12,347
1	Sep-23 Oct-23					_	Sep-23						Sep-23 Oct-23				
1							Oct-23										1
	Nov-23 Dec-23					-	Nov-23 Dec-23						Nov-23 Dec-23				
	DCC-23						DCC-23			l			Dec-23	1	1	l	I.

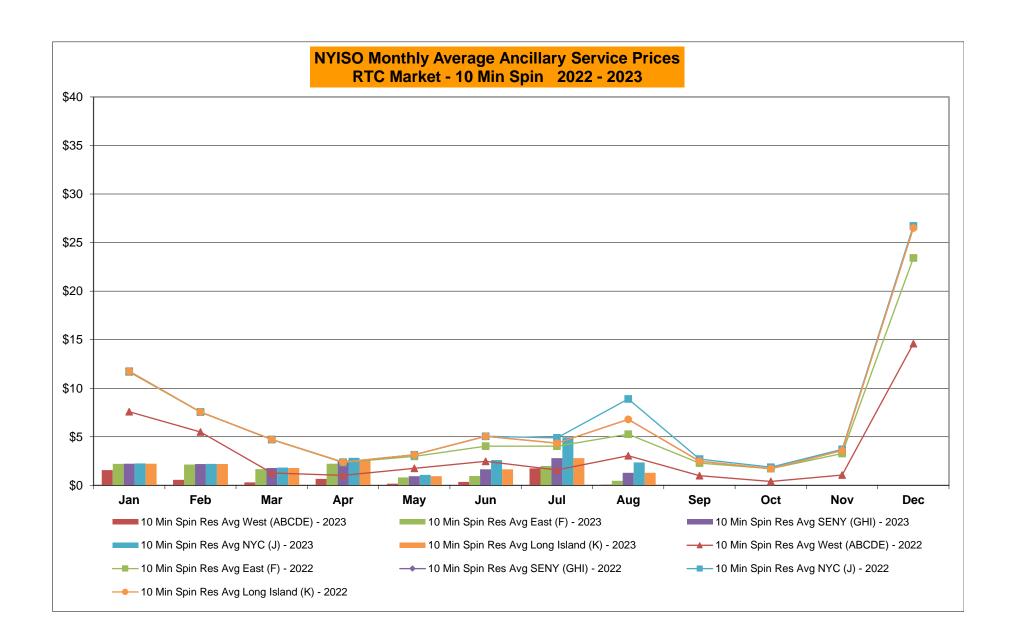


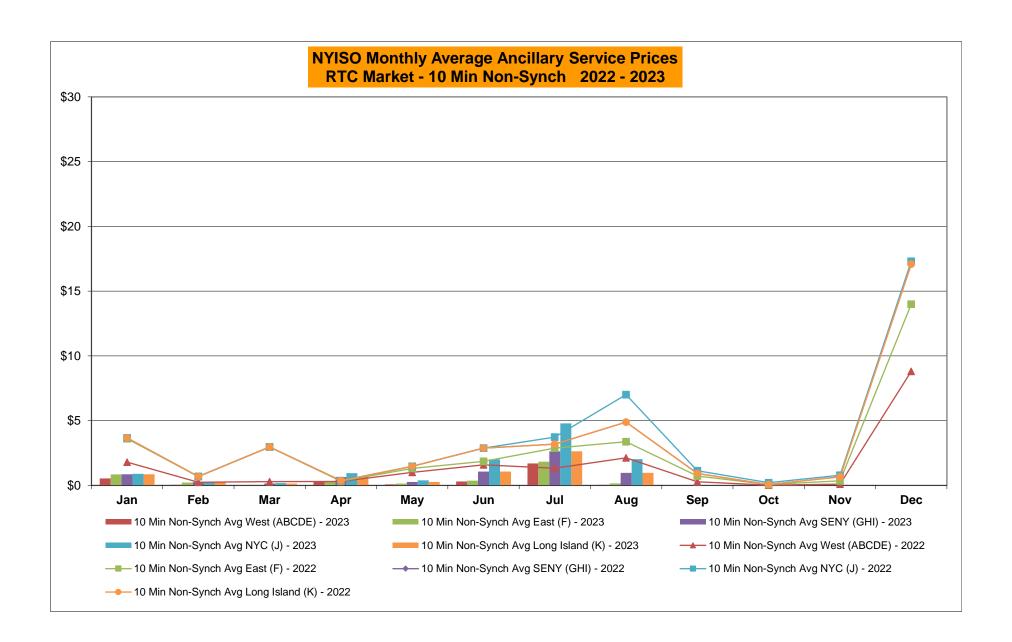


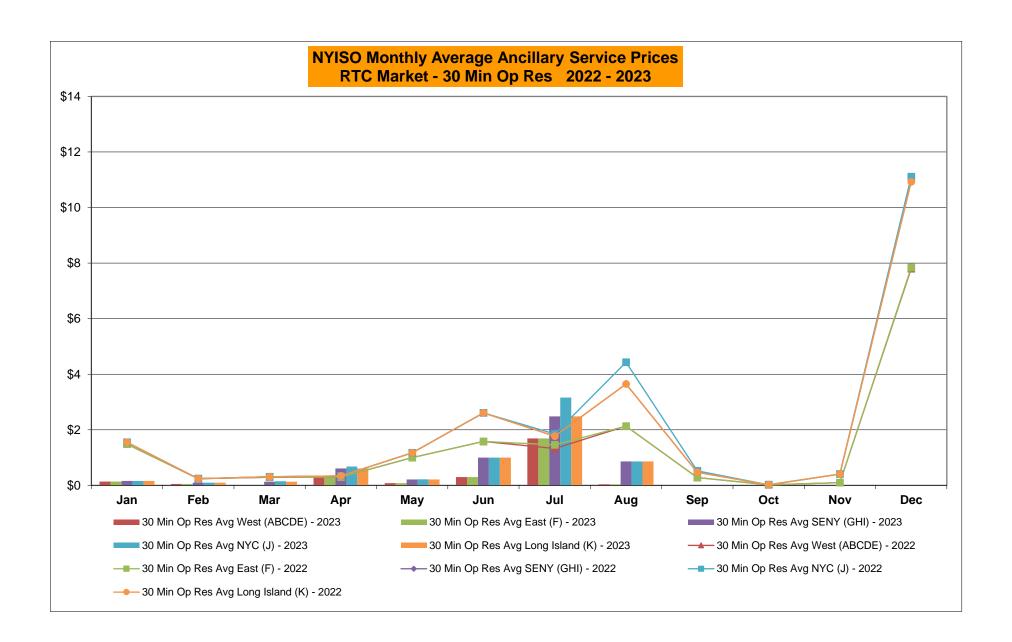


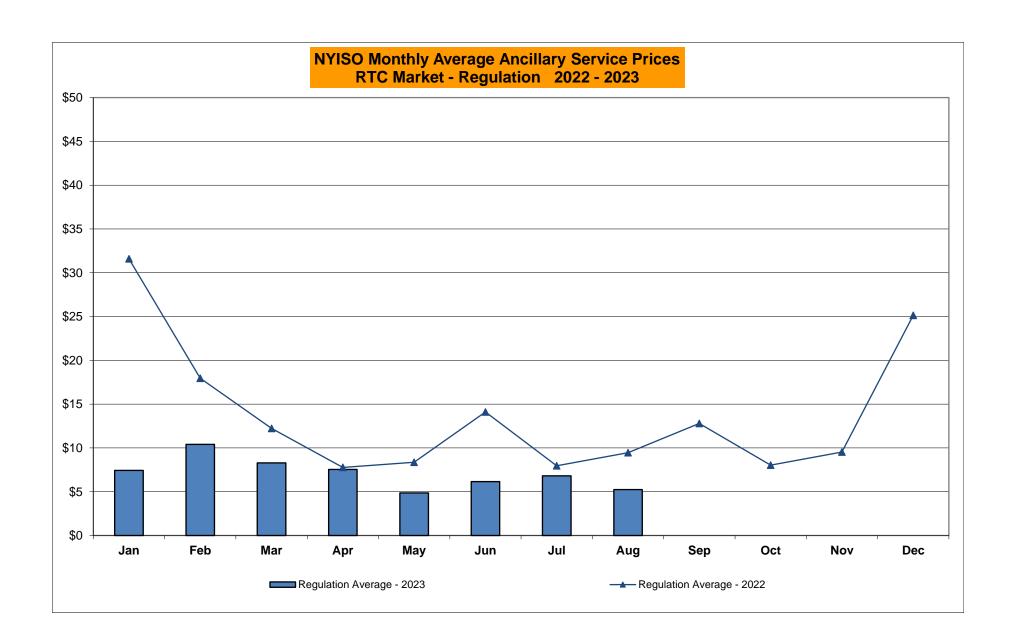


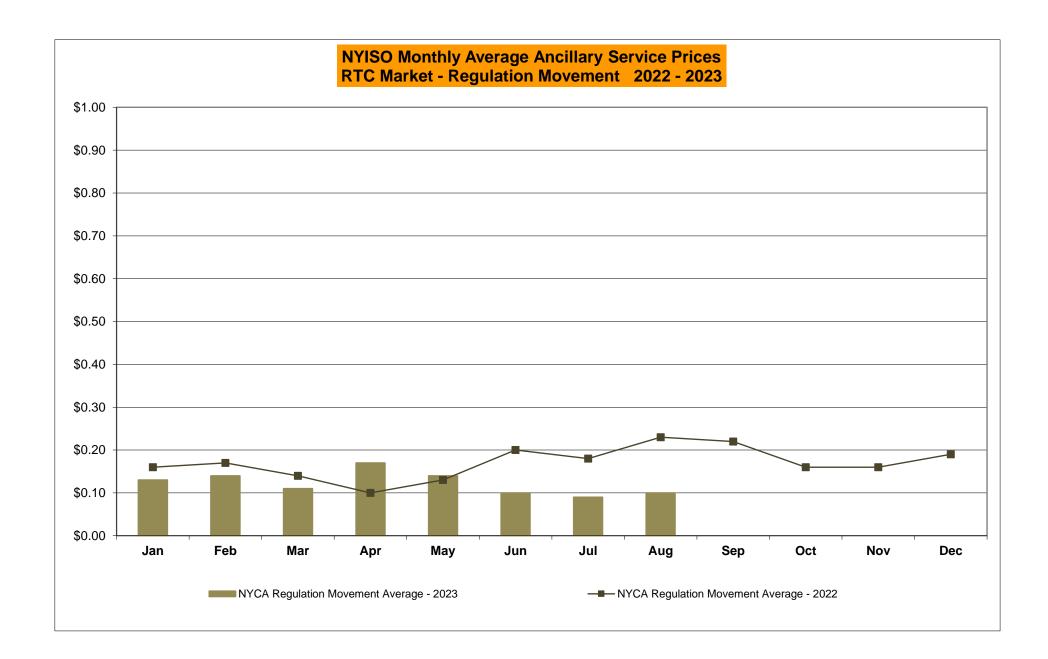


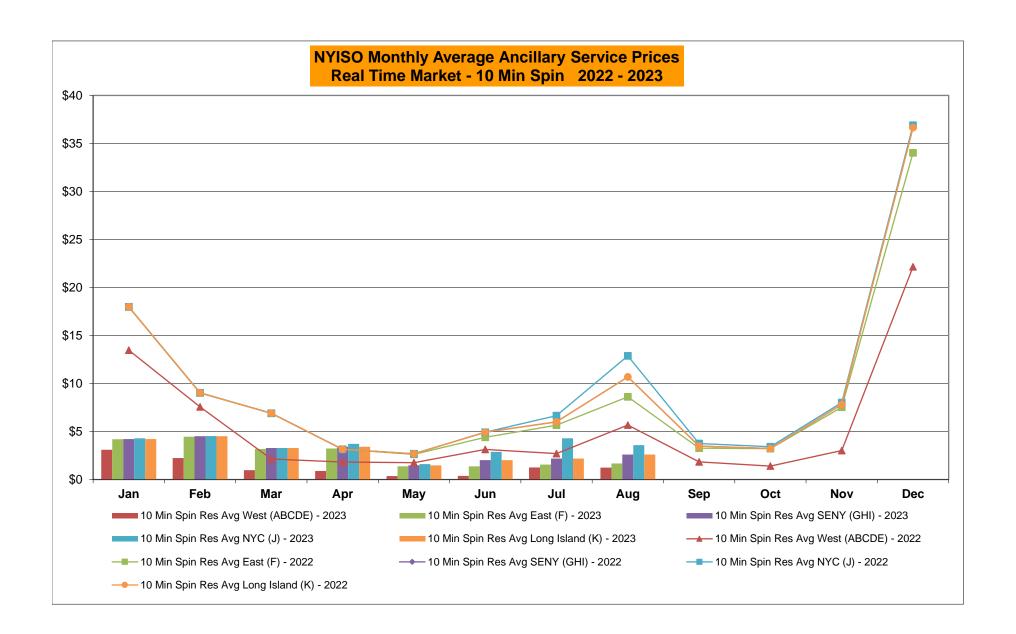


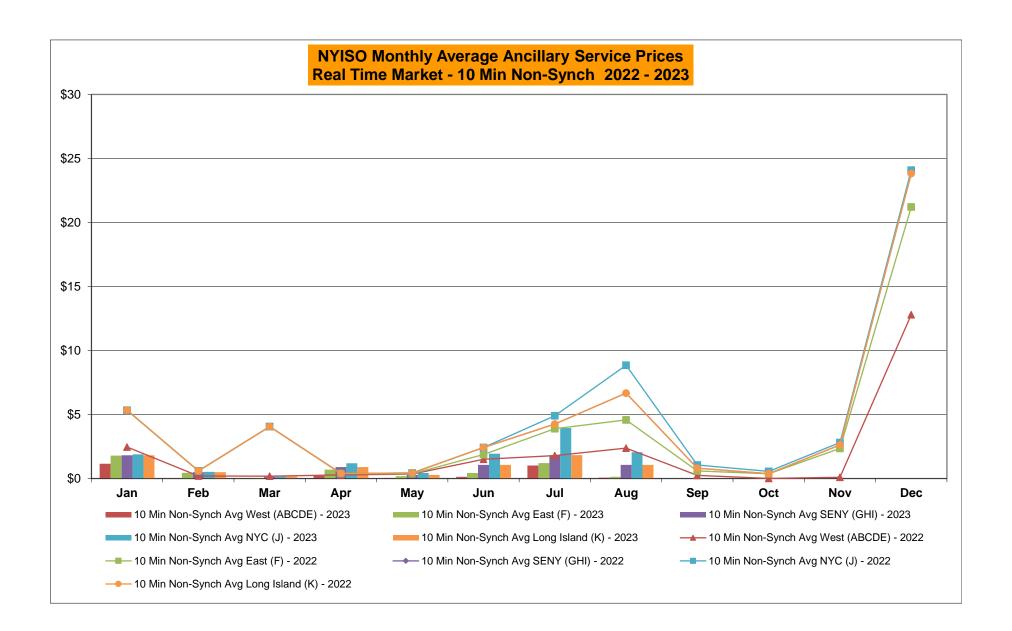


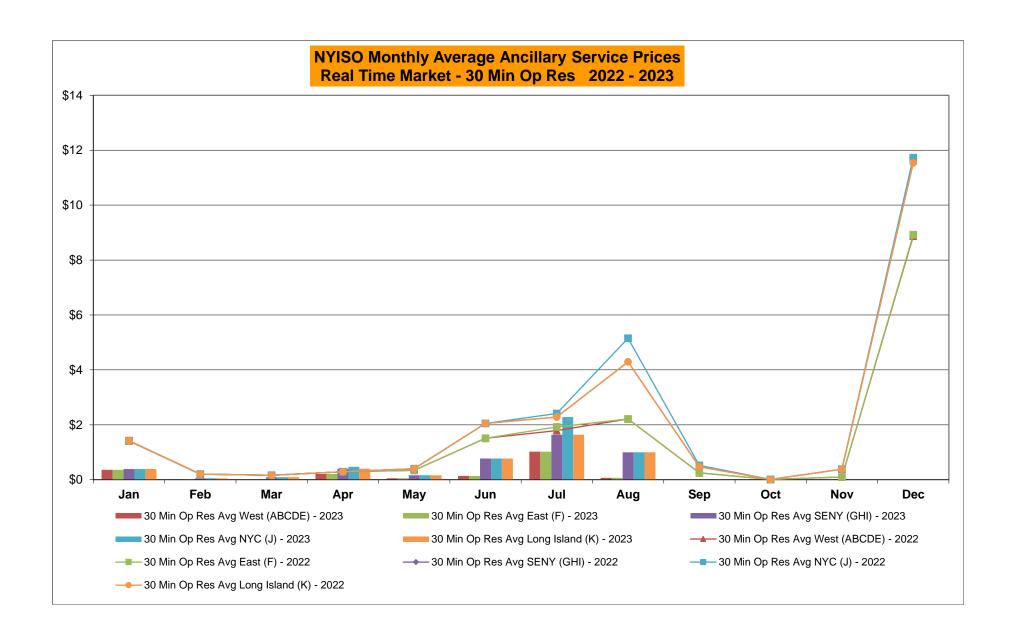


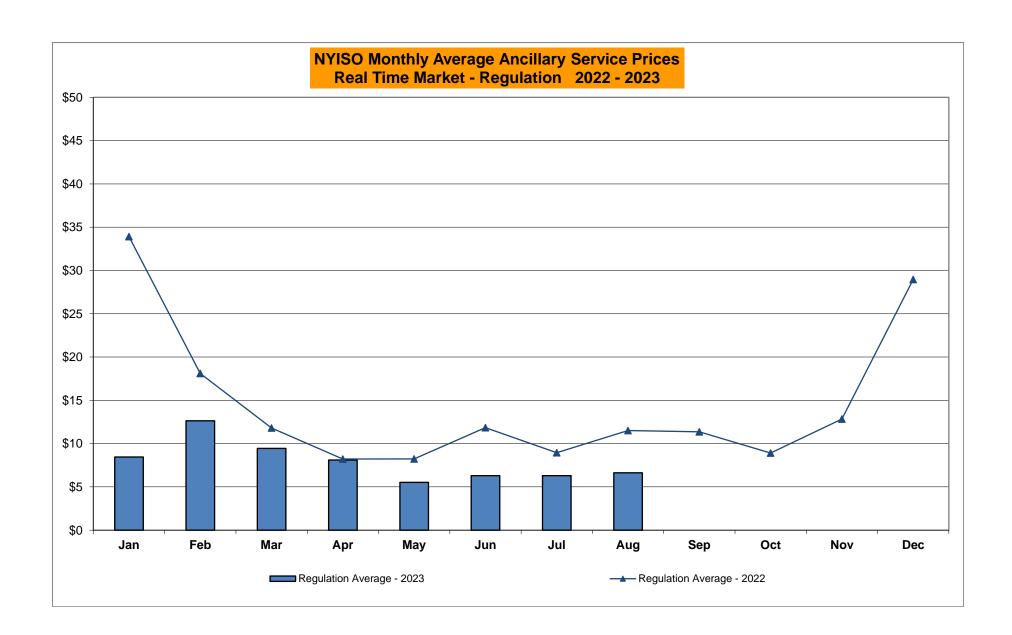


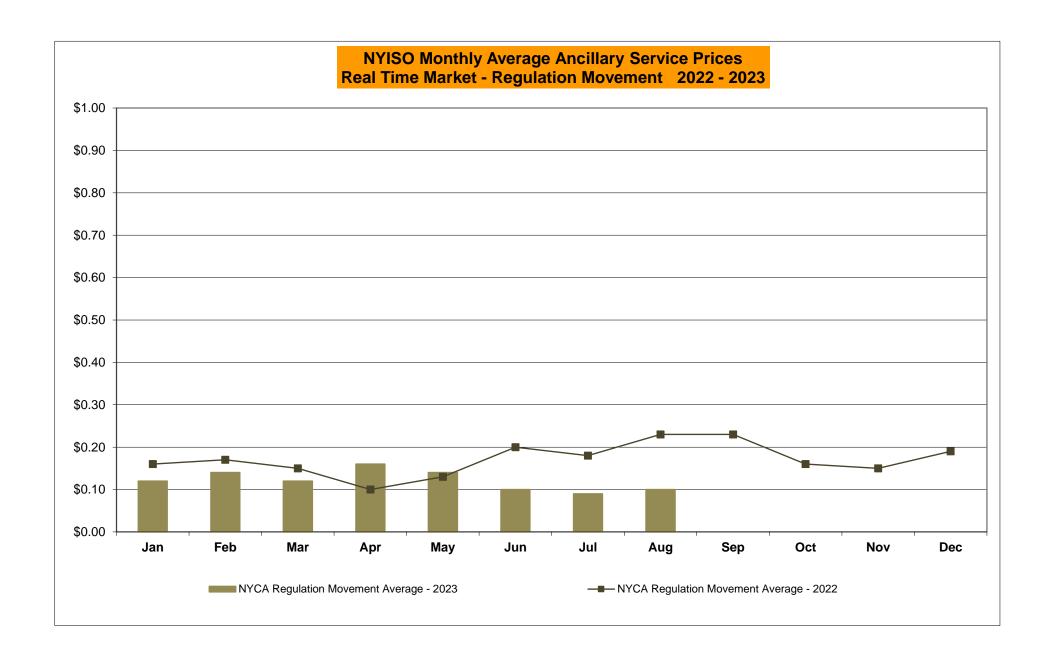












NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - DAM

2023 Day Ahead Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
10 Min Spin Long Island (K)	6.60	8.46	7.31	7.07	5.74	5.29	6.56	4.89				
10 Min Spin NYC (J)	6.63	8.68	7.38	7.20	5.81	6.37	9.18	5.68				
10 Min Spin SENY (GHI)	6.60	8.46	7.31	7.07	5.74	5.29	6.56	4.89				
10 Min Spin East (F)	6.56	8.06	7.07	6.73	5.30	4.87	6.25	4.70				
10 Min Spin West (ABCDE)	5.41	6.73	4.45	4.67	4.29	4.27	5.34	3.87				
10 Min Non Synch Long Island (K)	5.16	6.22	4.72	5.02	4.97	4.71	6.40	4.24				
10 Min Non Synch NYC (J)	5.18	6.44	4.79	5.15	5.04	5.79	9.03	5.03				
10 Min Non Synch SENY (GHI)	5.16	6.22	4.72	5.02	4.97	4.71	6.40	4.24				
10 Min Non Synch East (F)	5.12	5.82	4.48	4.68	4.52	4.28	6.10	4.06				
10 Min Non Synch West (ABCDE)	5.11	5.62	4.42	4.49	4.16	4.09	5.30	3.71				
30 Min Long Island (K)	5.15	6.02	4.65	4.83	4.61	4.51	5.59	3.90				
30 Min NYC (J)	5.15	6.14	4.70	4.95	4.61	4.59	6.70	3.91				
30 Min SENY (GHI)	5.15	6.02	4.65	4.83	4.61	4.51	5.59	3.90				
30 Min East (F)	5.11	5.62	4.42	4.49	4.16	4.09	5.28	3.71				
30 Min West (ABCDE)	5.11	5.62	4.42	4.49	4.16	4.09	5.28	3.71				
Regulation	7.82	11.71	9.65	9.88	7.36	6.37	8.66	6.79				
2022	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	October	November	December
Day Ahead Market	<u>January</u>							· · · · · · · · · · · · · · · · · · ·		· <u></u>		<u>December</u>
<u>Day Ahead Market</u> 10 Min Spin Long Island (K)	<u>January</u> 14.40	February 11.34	<u>March</u> 6.76	<u>April</u> 6.79	<u>May</u> 6.32	<u>June</u> 5.88	<u>July</u> 7.92	<u>August</u> 8.10	September 7.22	<u>October</u> 8.57	November 7.57	December 15.69
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J)	14.40 15.32	11.34 12.52	6.76 7.29	6.79 6.80	6.32 7.01	5.88 6.12	7.92 11.61	8.10 10.41	7.22 7.81	8.57 9.10		15.69 16.08
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	14.40 15.32 14.40	11.34 12.52 11.34	6.76 7.29 6.76	6.79 6.80 6.79	6.32 7.01 6.32	5.88 6.12 5.88	7.92 11.61 7.92	8.10 10.41 8.10	7.22 7.81 7.22	8.57 9.10 8.57	7.57	15.69 16.08 15.69
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	14.40 15.32 14.40 14.37	11.34 12.52 11.34 11.30	6.76 7.29	6.79 6.80 6.79 6.70	6.32 7.01 6.32 6.28	5.88 6.12 5.88 5.87	7.92 11.61 7.92 7.68	8.10 10.41 8.10 7.88	7.22 7.81	8.57 9.10 8.57 8.49	7.57 8.31	15.69 16.08 15.69 15.51
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)	14.40 15.32 14.40 14.37 12.74	11.34 12.52 11.34	6.76 7.29 6.76 6.74 5.48	6.79 6.80 6.79 6.70 5.01	6.32 7.01 6.32	5.88 6.12 5.88 5.87 4.99	7.92 11.61 7.92 7.68 5.91	8.10 10.41 8.10 7.88 5.53	7.22 7.81 7.22 7.07 5.84	8.57 9.10 8.57 8.49 6.11	7.57 8.31 7.57	15.69 16.08 15.69 15.51 12.39
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)	14.40 15.32 14.40 14.37	11.34 12.52 11.34 11.30	6.76 7.29 6.76 6.74 5.48 5.68	6.79 6.80 6.79 6.70	6.32 7.01 6.32 6.28	5.88 6.12 5.88 5.87 4.99 4.83	7.92 11.61 7.92 7.68	8.10 10.41 8.10 7.88 5.53 6.13	7.22 7.81 7.22 7.07 5.84 5.65	8.57 9.10 8.57 8.49	7.57 8.31 7.57 7.10	15.69 16.08 15.69 15.51 12.39 7.90
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)	14.40 15.32 14.40 14.37 12.74	11.34 12.52 11.34 11.30 8.93	6.76 7.29 6.76 6.74 5.48	6.79 6.80 6.79 6.70 5.01	6.32 7.01 6.32 6.28 4.34	5.88 6.12 5.88 5.87 4.99	7.92 11.61 7.92 7.68 5.91	8.10 10.41 8.10 7.88 5.53	7.22 7.81 7.22 7.07 5.84	8.57 9.10 8.57 8.49 6.11	7.57 8.31 7.57 7.10 5.20	15.69 16.08 15.69 15.51 12.39
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)	14.40 15.32 14.40 14.37 12.74 9.70	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48	6.76 7.29 6.76 6.74 5.48 5.68	6.79 6.80 6.79 6.70 5.01 4.87	6.32 7.01 6.32 6.28 4.34 4.68	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83	7.92 11.61 7.92 7.68 5.91 7.24	8.10 10.41 8.10 7.88 5.53 6.13	7.22 7.81 7.22 7.07 5.84 5.65	8.57 9.10 8.57 8.49 6.11 6.41	7.57 8.31 7.57 7.10 5.20 6.01	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90
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)	14.40 15.32 14.40 14.37 12.74 9.70 10.61	11.34 12.52 11.34 11.30 8.93 9.48 10.66	6.76 7.29 6.76 6.74 5.48 5.68 6.20	6.79 6.80 6.79 6.70 5.01 4.87 4.89	6.32 7.01 6.32 6.28 4.34 4.68 5.38	5.88 6.12 5.88 5.87 4.99 4.83 5.07	7.92 11.61 7.92 7.68 5.91 7.24 10.93	8.10 10.41 8.10 7.88 5.53 6.13 8.44	7.22 7.81 7.22 7.07 5.84 5.65 6.25	8.57 9.10 8.57 8.49 6.11 6.41 6.94	7.57 8.31 7.57 7.10 5.20 6.01 6.74	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72
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)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68	6.79 6.80 6.79 6.70 5.01 4.87 4.89	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90
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)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70 9.66	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48 9.44	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68 5.66	6.79 6.80 6.79 6.70 5.01 4.87 4.89 4.87	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68 4.64	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83 4.82	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24 7.00	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13 5.90	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65 5.51	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41 6.32	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01 5.53	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72
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 East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70 9.66 8.88	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48 9.44 7.35	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68 5.66 4.66	6.79 6.80 6.79 6.70 5.01 4.87 4.89 4.87 4.78	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68 4.64 4.15	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83 4.82 4.60	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24 7.00 5.69	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13 5.90 5.16	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65 5.51 5.08	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41 6.32 5.15	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01 5.53 4.92	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72 7.05
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) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70 9.66 8.88 8.92	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48 9.44 7.35 7.40	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68 5.66 4.66 4.67	6.79 6.80 6.79 6.70 5.01 4.87 4.89 4.87 4.78 4.50 4.59	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68 4.64 4.15 4.19	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83 4.82 4.60 4.61	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24 7.00 5.69 5.93	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13 5.90 5.16 5.36	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65 5.51 5.08 5.22	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41 6.32 5.15 5.23	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01 5.53 4.92 5.40	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72 7.05 7.23
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 East (F) 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)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70 9.66 8.88 8.92 8.95	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48 9.44 7.35 7.40 7.42	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68 5.66 4.66 4.67 4.67	6.79 6.80 6.79 6.70 5.01 4.87 4.89 4.87 4.78 4.50 4.59	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68 4.64 4.15 4.19 4.21	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83 4.82 4.60 4.61 4.61	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24 7.00 5.69 5.93 6.18	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13 5.90 5.16 5.36 5.46	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65 5.51 5.08 5.22 5.22	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41 6.32 5.15 5.23 5.23	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01 5.53 4.92 5.40 5.64	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72 7.05 7.23 7.27
Day Ahead Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin East (F) 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 (GHI)	14.40 15.32 14.40 14.37 12.74 9.70 10.61 9.70 9.66 8.88 8.92 8.95 8.92	11.34 12.52 11.34 11.30 8.93 9.48 10.66 9.48 9.44 7.35 7.40 7.42 7.40	6.76 7.29 6.76 6.74 5.48 5.68 6.20 5.68 5.66 4.66 4.67 4.67	6.79 6.80 6.79 6.70 5.01 4.87 4.89 4.87 4.78 4.50 4.59 4.59	6.32 7.01 6.32 6.28 4.34 4.68 5.38 4.68 4.64 4.15 4.19 4.21 4.19	5.88 6.12 5.88 5.87 4.99 4.83 5.07 4.83 4.82 4.60 4.61 4.61	7.92 11.61 7.92 7.68 5.91 7.24 10.93 7.24 7.00 5.69 5.93 6.18 5.93	8.10 10.41 8.10 7.88 5.53 6.13 8.44 6.13 5.90 5.16 5.36 5.46 5.36	7.22 7.81 7.22 7.07 5.84 5.65 6.25 5.65 5.51 5.08 5.22 5.22 5.22	8.57 9.10 8.57 8.49 6.11 6.41 6.94 6.41 6.32 5.15 5.23 5.23 5.23	7.57 8.31 7.57 7.10 5.20 6.01 6.74 6.01 5.53 4.92 5.40 5.64 5.40	15.69 16.08 15.69 15.51 12.39 7.90 8.29 7.90 7.72 7.05 7.23 7.27 7.23

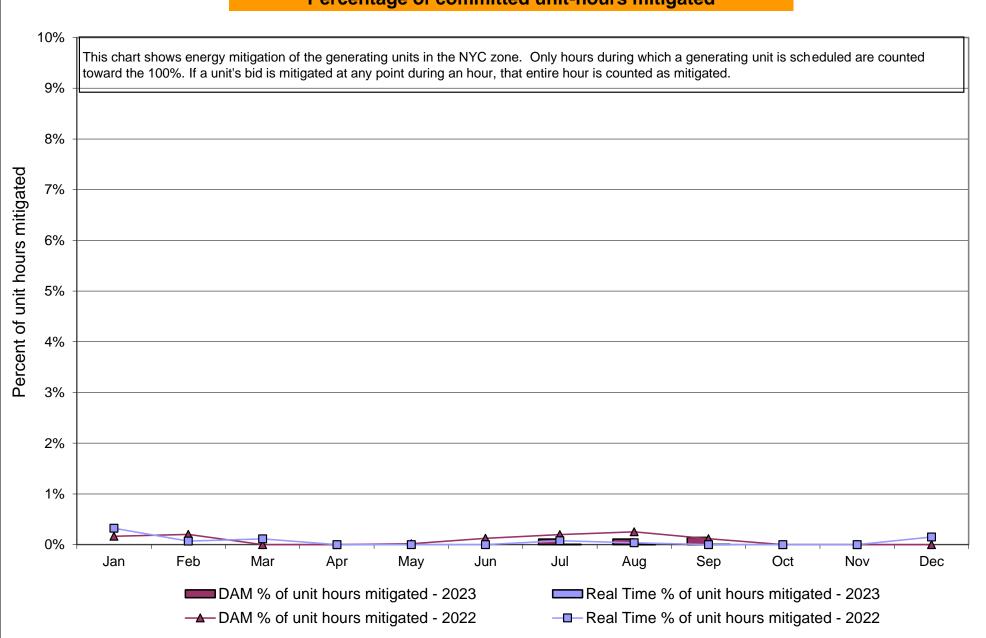
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RTC

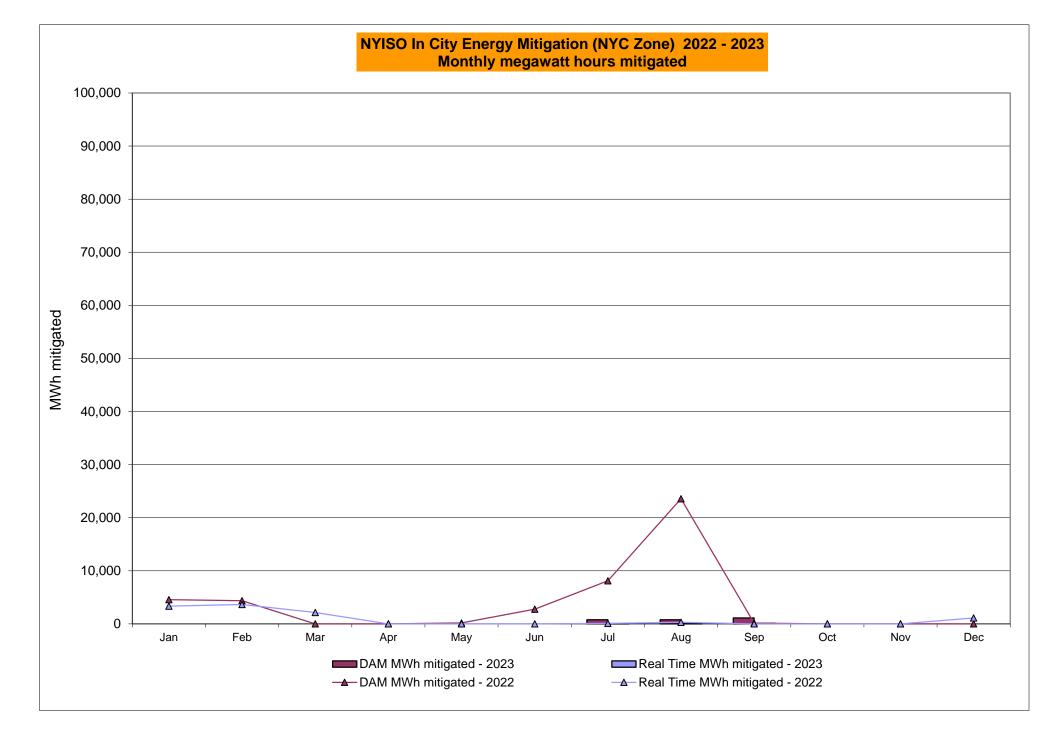
<u>2023</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
RTC Market												
10 Min Spin Long Island (K)	2.22	2.19	1.79	2.55	0.95	1.66	2.80	1.29				
10 Min Spin NYC (J)	2.26	2.21	1.83	2.84	1.07	2.60	4.96	2.35				
10 Min Spin SENY (GHI)	2.22	2.19	1.79	2.55	0.95	1.66	2.80	1.29				
10 Min Spin East (F)	2.21	2.15	1.67	2.23	0.82	0.96	2.00	0.47				
10 Min Spin West (ABCDE)	1.57	0.56	0.30	0.67	0.17	0.36	1.75	0.08				
10 Min Non Synch Long Island (K)	0.86	0.26	0.14	0.65	0.27	1.07	2.63	0.97				
10 Min Non Synch NYC (J)	0.89	0.27	0.18	0.95	0.39	2.01	4.79	2.03				
10 Min Non Synch SENY (GHI)	0.86	0.26	0.14	0.65	0.27	1.07	2.63	0.97				
10 Min Non Synch East (F)	0.85	0.22	0.02	0.34	0.14	0.37	1.83	0.15				
10 Min Non Synch West (ABCDE)	0.54	0.05	0.00	0.29	0.08	0.30	1.69	0.04				
30 Min Long Island (K)	0.16	0.10	0.13	0.61	0.21	1.00	2.48	0.86				
30 Min NYC (J)	0.16	0.10	0.15	0.68	0.22	1.00	3.16	0.86				
30 Min SENY (GHI)	0.16	0.10	0.13	0.61	0.21	1.00	2.48	0.86				
30 Min East (F)	0.14	0.05	0.00	0.29	0.08	0.30	1.69	0.04				
30 Min West (ABCDE)	0.14	0.05	0.00	0.29	0.08	0.30	1.69	0.04				
Regulation	7.44	10.40	8.29	7.55	4.86	6.16	6.81	5.25				
NYCA Regulation Movement	0.13	0.14	0.11	0.17	0.14	0.10	0.09	0.10				
2022	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	December
RTC Market												
RTC Market 10 Min Spin Long Island (K)	<u>January</u> 11.75	February 7.55	<u>March</u> 4.73	<u>April</u> 2.39	<u>May</u> 3.15	<u>June</u> 5.06	<u>July</u> 4.34	August 6.79	September 2.49	October 1.72	November 3.59	December 26.50
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J)				2.39 2.53						1.72 1.87		
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	11.75 11.75 11.75	7.55 7.81 7.55	4.73 4.92 4.73	2.39 2.53 2.39	3.15 3.72 3.15	5.06 5.51 5.06	4.34	6.79 8.90 6.79	2.49 2.71 2.49	1.72 1.87 1.72	3.59 3.71 3.59	26.50
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	11.75 11.75	7.55 7.81	4.73 4.92	2.39 2.53	3.15 3.72	5.06 5.51	4.34 4.88	6.79 8.90 6.79 5.27	2.49 2.71	1.72 1.87	3.59 3.71	26.50 26.72
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	11.75 11.75 11.75	7.55 7.81 7.55	4.73 4.92 4.73	2.39 2.53 2.39	3.15 3.72 3.15	5.06 5.51 5.06	4.34 4.88 4.34	6.79 8.90 6.79	2.49 2.71 2.49	1.72 1.87 1.72	3.59 3.71 3.59	26.50 26.72 26.50
RTC Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	11.75 11.75 11.75 11.68	7.55 7.81 7.55 7.55	4.73 4.92 4.73 4.71	2.39 2.53 2.39 2.36	3.15 3.72 3.15 2.98	5.06 5.51 5.06 4.03	4.34 4.88 4.34 4.03	6.79 8.90 6.79 5.27	2.49 2.71 2.49 2.29	1.72 1.87 1.72 1.72	3.59 3.71 3.59 3.28	26.50 26.72 26.50 23.41
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)	11.75 11.75 11.75 11.68 7.59	7.55 7.81 7.55 7.55 5.49	4.73 4.92 4.73 4.71 1.27	2.39 2.53 2.39 2.36 1.03	3.15 3.72 3.15 2.98 1.75	5.06 5.51 5.06 4.03 2.47	4.34 4.88 4.34 4.03 1.58	6.79 8.90 6.79 5.27 3.05	2.49 2.71 2.49 2.29 0.99	1.72 1.87 1.72 1.72 0.40	3.59 3.71 3.59 3.28 1.06	26.50 26.72 26.50 23.41 14.59
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)	11.75 11.75 11.75 11.68 7.59 3.67	7.55 7.81 7.55 7.55 5.49 0.69	4.73 4.92 4.73 4.71 1.27 2.97	2.39 2.53 2.39 2.36 1.03 0.37	3.15 3.72 3.15 2.98 1.75 1.47	5.06 5.51 5.06 4.03 2.47 2.88	4.34 4.88 4.34 4.03 1.58 3.19	6.79 8.90 6.79 5.27 3.05 4.89	2.49 2.71 2.49 2.29 0.99 0.92	1.72 1.87 1.72 1.72 0.40 0.07	3.59 3.71 3.59 3.28 1.06 0.66	26.50 26.72 26.50 23.41 14.59 17.08
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)	11.75 11.75 11.75 11.68 7.59 3.67 3.67	7.55 7.81 7.55 7.55 5.49 0.69 0.95	4.73 4.92 4.73 4.71 1.27 2.97 3.16	2.39 2.53 2.39 2.36 1.03 0.37 0.51	3.15 3.72 3.15 2.98 1.75 1.47 2.04	5.06 5.51 5.06 4.03 2.47 2.88 3.34	4.34 4.88 4.34 4.03 1.58 3.19 3.73	6.79 8.90 6.79 5.27 3.05 4.89 7.00	2.49 2.71 2.49 2.29 0.99 0.92 1.13	1.72 1.87 1.72 1.72 0.40 0.07 0.21	3.59 3.71 3.59 3.28 1.06 0.66 0.78	26.50 26.72 26.50 23.41 14.59 17.08
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)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67	7.55 7.81 7.55 7.55 5.49 0.69 0.95	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66	26.50 26.72 26.50 23.41 14.59 17.08 17.31
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)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67 3.60	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99
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)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67 3.60 1.79	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.69	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07 0.07	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81
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)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67 3.60 1.79	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.69 0.24	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29 0.31	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33 0.30 0.34	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31 1.00	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58 2.61	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33 1.77	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28 0.47	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07 0.02 0.02	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35 0.10	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81 10.93
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)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67 3.60 1.79 1.55	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.69 0.24 0.24	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29 0.31 0.31	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33 0.30 0.34	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31 1.00 1.17	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58 2.61 2.74	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33 1.77 1.85	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13 3.65 4.43	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28 0.47 0.52	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07 0.02 0.02 0.02	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35 0.10 0.41	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81 10.93 11.11
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) 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)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67 3.60 1.79 1.55 1.55	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.24 0.24	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29 0.31 0.31	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33 0.30 0.34 0.34	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31 1.00 1.17 1.34 1.17	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58 2.61 2.74 2.61	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33 1.77 1.85	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13 3.65 4.43 3.65	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28 0.47 0.52	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07 0.02 0.02 0.02	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35 0.10 0.41 0.41	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81 10.93 11.11
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) 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)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67 3.60 1.79 1.55 1.55	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.24 0.24 0.24	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29 0.31 0.31 0.31 0.29	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33 0.30 0.34 0.34 0.34	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31 1.00 1.17 1.34 1.17	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58 2.61 2.74 2.61 1.58	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33 1.77 1.85 1.77	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13 3.65 4.43 3.65 2.13	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28 0.47 0.52 0.47	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.02 0.02 0.02 0.02 0.02	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35 0.10 0.41 0.41 0.41	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81 10.93 11.11 10.93 7.84
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)	11.75 11.75 11.75 11.68 7.59 3.67 3.67 3.67 3.60 1.79 1.55 1.55 1.48	7.55 7.81 7.55 7.55 5.49 0.69 0.95 0.69 0.24 0.24 0.24 0.24	4.73 4.92 4.73 4.71 1.27 2.97 3.16 2.97 2.96 0.29 0.31 0.31 0.31 0.29 0.29	2.39 2.53 2.39 2.36 1.03 0.37 0.51 0.37 0.33 0.30 0.34 0.34 0.34 0.30	3.15 3.72 3.15 2.98 1.75 1.47 2.04 1.47 1.31 1.00 1.17 1.34 1.17	5.06 5.51 5.06 4.03 2.47 2.88 3.34 2.88 1.86 1.58 2.61 2.74 2.61 1.58 1.58	4.34 4.88 4.34 4.03 1.58 3.19 3.73 3.19 2.88 1.33 1.77 1.85 1.77 1.46 1.33	6.79 8.90 6.79 5.27 3.05 4.89 7.00 4.89 3.37 2.13 3.65 4.43 3.65 2.13 2.13	2.49 2.71 2.49 2.29 0.99 0.92 1.13 0.92 0.72 0.28 0.47 0.52 0.47 0.28 0.28	1.72 1.87 1.72 1.72 0.40 0.07 0.21 0.07 0.07 0.02 0.02 0.02 0.02 0.02 0.02	3.59 3.71 3.59 3.28 1.06 0.66 0.78 0.66 0.35 0.10 0.41 0.41 0.41 0.10	26.50 26.72 26.50 23.41 14.59 17.08 17.31 17.08 13.99 8.81 10.93 11.11 10.93 7.84 7.80

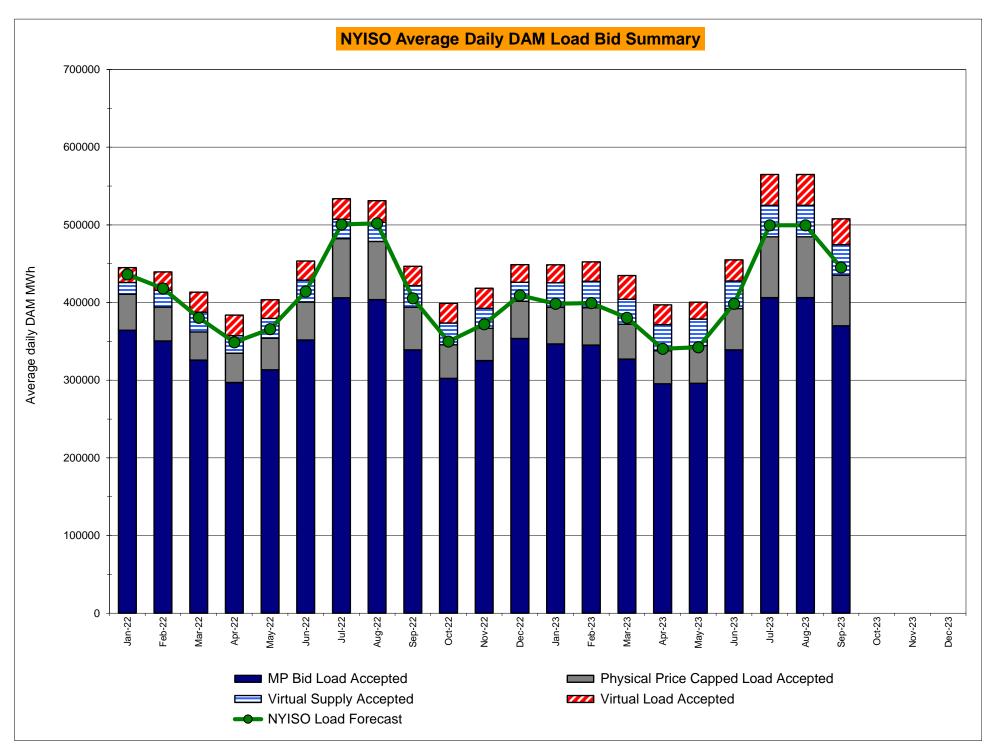
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RT

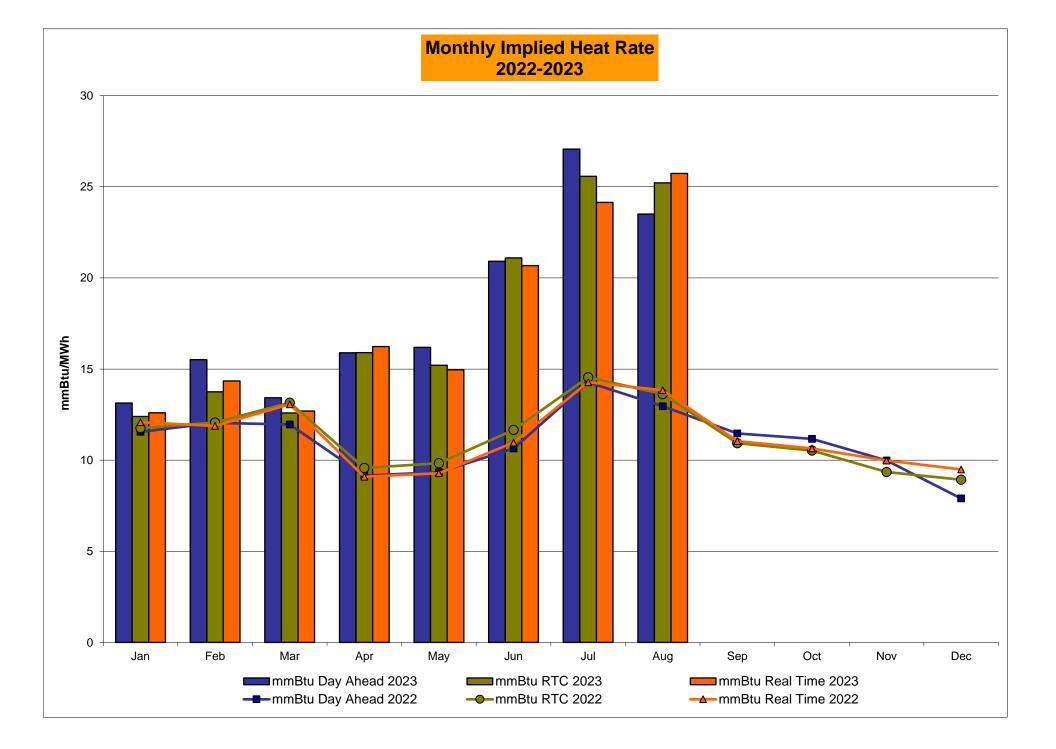
2023 Real Time Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
	4.00			0.40	4.40		0.40					
10 Min Spin Long Island (K)	4.22	4.51	3.28	3.42	1.48	2.02	2.18	2.60				
10 Min Spin NYC (J)	4.30	4.53	3.28	3.72	1.61	2.89	4.30	3.58				
10 Min Spin SENY (GHI)	4.22	4.51	3.28	3.42	1.48	2.02	2.18	2.60				
10 Min Spin East (F)	4.20	4.46	3.19	3.23	1.37	1.38	1.56	1.67				
10 Min Spin West (ABCDE)	3.10	2.24	0.97	0.89	0.36	0.38	1.26	1.24				
10 Min Non Synch Long Island (K)	1.81	0.50	0.15	0.89	0.29	1.07	1.83	1.07				
10 Min Non Synch NYC (J)	1.89	0.52	0.15	1.19	0.43	1.94	3.95	2.05				
10 Min Non Synch SENY (GHI)	1.81	0.50	0.15	0.89	0.29	1.07	1.83	1.07				
10 Min Non Synch East (F)	1.79	0.45	0.05	0.70	0.19	0.43	1.21	0.14				
10 Min Non Synch West (ABCDE)	1.15	0.01	0.00	0.21	0.05	0.14	1.02	0.07				
30 Min Long Island (K)	0.39	0.05	0.09	0.40	0.16	0.77	1.64	1.00				
30 Min NYC (J)	0.39	0.05	0.09	0.47	0.16	0.77	2.28	1.00				
30 Min SENY (GHI)	0.39	0.05	0.09	0.40	0.16	0.77	1.64	1.00				
30 Min East (F)	0.36	0.01	0.00	0.21	0.05	0.14	1.02	0.07				
30 Min West (ABCDE)	0.36	0.01	0.00	0.21	0.05	0.14	1.02	0.07				
Regulation	8.46	12.64	9.44	8.10	5.52	6.30	6.30	6.62				
NYCA Regulation Movement	0.12	0.14	0.12	0.16	0.14	0.10	0.09	0.10				
2022	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	<u>October</u>	November	December
Real Time Market	<u>January</u>	<u>February</u>	<u>March</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)	<u>January</u> 17.99	9.02	<u>March</u> 6.90	3.15	2.68	<u>June</u> 4.93	<u>July</u> 6.01	<u>August</u> 10.69	3.49	3.23	November 7.82	December 36.64
Real Time Market	<u> </u>	<u>-</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	7.82	36.64
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	17.99 18.04	9.02 9.27	6.90 7.04	3.15 3.27	2.68 3.17	4.93 5.46	6.01 6.66	10.69 12.88	3.49 3.74	3.23 3.41	7.82 8.01	36.64 36.89
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	17.99 18.04 17.99	9.02 9.27 9.02	6.90 7.04 6.90	3.15 3.27 3.15	2.68 3.17 2.68	4.93 5.46 4.93	6.01 6.66 6.01	10.69 12.88 10.69	3.49 3.74 3.49	3.23 3.41 3.23	7.82 8.01 7.82	36.64 36.89 36.64
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	17.99 18.04 17.99 17.97	9.02 9.27 9.02 9.02	6.90 7.04 6.90 6.90	3.15 3.27 3.15 3.15	2.68 3.17 2.68 2.62	4.93 5.46 4.93 4.39	6.01 6.66 6.01 5.65	10.69 12.88 10.69 8.61	3.49 3.74 3.49 3.27	3.23 3.41 3.23 3.22	7.82 8.01 7.82 7.54	36.64 36.89 36.64 34.02
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)	17.99 18.04 17.99 17.97 13.47	9.02 9.27 9.02 9.02 7.56	6.90 7.04 6.90 6.90 2.14	3.15 3.27 3.15 3.15 1.83	2.68 3.17 2.68 2.62 1.76	4.93 5.46 4.93 4.39 3.13	6.01 6.66 6.01 5.65 2.70	10.69 12.88 10.69 8.61 5.68	3.49 3.74 3.49 3.27 1.84	3.23 3.41 3.23 3.22 1.40	7.82 8.01 7.82 7.54 3.02	36.64 36.89 36.64 34.02 22.15
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)	17.99 18.04 17.99 17.97 13.47 5.34	9.02 9.27 9.02 9.02 7.56 0.59	6.90 7.04 6.90 6.90 2.14 4.05	3.15 3.27 3.15 3.15 1.83 0.40	2.68 3.17 2.68 2.62 1.76 0.43	4.93 5.46 4.93 4.39 3.13 2.42	6.01 6.66 6.01 5.65 2.70 4.26	10.69 12.88 10.69 8.61 5.68 6.67	3.49 3.74 3.49 3.27 1.84 0.81	3.23 3.41 3.23 3.22 1.40 0.38	7.82 8.01 7.82 7.54 3.02 2.63	36.64 36.89 36.64 34.02 22.15 23.83
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)	17.99 18.04 17.99 17.97 13.47 5.34 5.40	9.02 9.27 9.02 9.02 7.56 0.59 0.84	6.90 7.04 6.90 6.90 2.14 4.05 4.19	3.15 3.27 3.15 3.15 1.83 0.40 0.51	2.68 3.17 2.68 2.62 1.76 0.43 0.92	4.93 5.46 4.93 4.39 3.13 2.42 2.95	6.01 6.66 6.01 5.65 2.70 4.26 4.90	10.69 12.88 10.69 8.61 5.68 6.67 8.85	3.49 3.74 3.49 3.27 1.84 0.81 1.06	3.23 3.41 3.23 3.22 1.40 0.38 0.56	7.82 8.01 7.82 7.54 3.02 2.63 2.81	36.64 36.89 36.64 34.02 22.15 23.83 24.09
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)	17.99 18.04 17.99 17.97 13.47 5.34 5.40 5.34	9.02 9.27 9.02 9.02 7.56 0.59 0.84 0.59	6.90 7.04 6.90 6.90 2.14 4.05 4.19 4.05	3.15 3.27 3.15 3.15 1.83 0.40 0.51 0.40	2.68 3.17 2.68 2.62 1.76 0.43 0.92 0.43	4.93 5.46 4.93 4.39 3.13 2.42 2.95 2.42	6.01 6.66 6.01 5.65 2.70 4.26 4.90 4.26	10.69 12.88 10.69 8.61 5.68 6.67 8.85 6.67	3.49 3.74 3.49 3.27 1.84 0.81 1.06 0.81	3.23 3.41 3.23 3.22 1.40 0.38 0.56 0.38	7.82 8.01 7.82 7.54 3.02 2.63 2.81 2.63	36.64 36.89 36.64 34.02 22.15 23.83 24.09 23.83
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)	17.99 18.04 17.99 17.97 13.47 5.34 5.40 5.34 5.33	9.02 9.27 9.02 9.02 7.56 0.59 0.84 0.59 0.59	6.90 7.04 6.90 6.90 2.14 4.05 4.19 4.05 4.05	3.15 3.27 3.15 3.15 1.83 0.40 0.51 0.40 0.40	2.68 3.17 2.68 2.62 1.76 0.43 0.92 0.43 0.37	4.93 5.46 4.93 4.39 3.13 2.42 2.95 2.42 1.88	6.01 6.66 6.01 5.65 2.70 4.26 4.90 4.26 3.90	10.69 12.88 10.69 8.61 5.68 6.67 8.85 6.67 4.58	3.49 3.74 3.49 3.27 1.84 0.81 1.06 0.81 0.59	3.23 3.41 3.23 3.22 1.40 0.38 0.56 0.38 0.37	7.82 8.01 7.82 7.54 3.02 2.63 2.81 2.63 2.35	36.64 36.89 36.64 34.02 22.15 23.83 24.09 23.83 21.21
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)	17.99 18.04 17.99 17.97 13.47 5.34 5.40 5.34 5.33 2.46	9.02 9.27 9.02 9.02 7.56 0.59 0.84 0.59 0.59	6.90 7.04 6.90 6.90 2.14 4.05 4.19 4.05 4.05 0.19	3.15 3.27 3.15 3.15 1.83 0.40 0.51 0.40 0.40 0.29	2.68 3.17 2.68 2.62 1.76 0.43 0.92 0.43 0.37 0.34	4.93 5.46 4.93 4.39 3.13 2.42 2.95 2.42 1.88 1.51	6.01 6.66 6.01 5.65 2.70 4.26 4.90 4.26 3.90 1.79	10.69 12.88 10.69 8.61 5.68 6.67 8.85 6.67 4.58 2.37	3.49 3.74 3.49 3.27 1.84 0.81 1.06 0.81 0.59 0.25	3.23 3.41 3.23 3.22 1.40 0.38 0.56 0.38 0.37 0.01	7.82 8.01 7.82 7.54 3.02 2.63 2.81 2.63 2.35 0.10	36.64 36.89 36.64 34.02 22.15 23.83 24.09 23.83 21.21 12.80
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)	17.99 18.04 17.99 17.97 13.47 5.34 5.40 5.34 5.33 2.46 1.42	9.02 9.27 9.02 9.02 7.56 0.59 0.84 0.59 0.59 0.20	6.90 7.04 6.90 6.90 2.14 4.05 4.05 4.05 0.19	3.15 3.27 3.15 3.15 1.83 0.40 0.51 0.40 0.40 0.29 0.29	2.68 3.17 2.68 2.62 1.76 0.43 0.92 0.43 0.37 0.34	4.93 5.46 4.93 4.39 3.13 2.42 2.95 2.42 1.88 1.51 2.05	6.01 6.66 6.01 5.65 2.70 4.26 4.90 4.26 3.90 1.79 2.28	10.69 12.88 10.69 8.61 5.68 6.67 8.85 6.67 4.58 2.37 4.29	3.49 3.74 3.49 3.27 1.84 0.81 1.06 0.81 0.59 0.25 0.47	3.23 3.41 3.23 3.22 1.40 0.38 0.56 0.38 0.37 0.01 0.01	7.82 8.01 7.82 7.54 3.02 2.63 2.81 2.63 2.35 0.10 0.38	36.64 36.89 36.64 34.02 22.15 23.83 24.09 23.83 21.21 12.80 11.54
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)	17.99 18.04 17.99 17.97 13.47 5.34 5.40 5.34 5.33 2.46 1.42	9.02 9.27 9.02 9.02 7.56 0.59 0.84 0.59 0.59 0.20 0.20	6.90 7.04 6.90 6.90 2.14 4.05 4.19 4.05 4.05 0.19 0.16	3.15 3.27 3.15 3.15 1.83 0.40 0.51 0.40 0.40 0.29 0.29	2.68 3.17 2.68 2.62 1.76 0.43 0.92 0.43 0.37 0.34 0.40 0.56	4.93 5.46 4.93 4.39 3.13 2.42 2.95 2.42 1.88 1.51 2.05 2.20	6.01 6.66 6.01 5.65 2.70 4.26 4.90 4.26 3.90 1.79 2.28 2.41	10.69 12.88 10.69 8.61 5.68 6.67 8.85 6.67 4.58 2.37 4.29 5.15	3.49 3.74 3.49 3.27 1.84 0.81 1.06 0.81 0.59 0.25 0.47	3.23 3.41 3.23 3.22 1.40 0.38 0.56 0.38 0.37 0.01 0.01	7.82 8.01 7.82 7.54 3.02 2.63 2.81 2.63 2.35 0.10 0.38 0.38	36.64 36.89 36.64 34.02 22.15 23.83 24.09 23.83 21.21 12.80 11.54 11.73
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)	17.99 18.04 17.99 17.97 13.47 5.34 5.30 2.46 1.42 1.42	9.02 9.27 9.02 9.02 7.56 0.59 0.84 0.59 0.59 0.20 0.20	6.90 7.04 6.90 6.90 2.14 4.05 4.19 4.05 4.05 0.19 0.16 0.16	3.15 3.27 3.15 3.15 1.83 0.40 0.51 0.40 0.40 0.29 0.29 0.29	2.68 3.17 2.68 2.62 1.76 0.43 0.92 0.43 0.37 0.34 0.40 0.56 0.40	4.93 5.46 4.93 3.13 2.42 2.95 2.42 1.88 1.51 2.05 2.20 2.05	6.01 6.66 6.01 5.65 2.70 4.26 4.90 4.26 3.90 1.79 2.28 2.41 2.28	10.69 12.88 10.69 8.61 5.68 6.67 8.85 6.67 4.58 2.37 4.29 5.15	3.49 3.74 3.49 3.27 1.84 0.81 1.06 0.81 0.59 0.25 0.47 0.52	3.23 3.41 3.23 3.22 1.40 0.38 0.56 0.38 0.37 0.01 0.01	7.82 8.01 7.82 7.54 3.02 2.63 2.81 2.63 2.35 0.10 0.38 0.38	36.64 36.89 36.64 34.02 22.15 23.83 24.09 23.83 21.21 12.80 11.54 11.73 11.54
Real Time Market 10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin Sext (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)	17.99 18.04 17.99 17.97 13.47 5.34 5.40 5.34 5.33 2.46 1.42 1.42 1.42	9.02 9.27 9.02 7.56 0.59 0.84 0.59 0.59 0.20 0.20 0.20	6.90 7.04 6.90 6.90 2.14 4.05 4.19 4.05 4.05 0.19 0.16 0.16 0.16	3.15 3.27 3.15 3.15 1.83 0.40 0.51 0.40 0.40 0.29 0.29 0.29 0.29	2.68 3.17 2.68 2.62 1.76 0.43 0.92 0.43 0.37 0.34 0.40 0.56 0.40 0.34	4.93 5.46 4.93 4.39 3.13 2.42 2.95 2.42 1.88 1.51 2.05 2.20 2.05 1.51	6.01 6.66 6.01 5.65 2.70 4.26 4.90 4.26 3.90 1.79 2.28 2.41 2.28 1.92	10.69 12.88 10.69 8.61 5.68 6.67 4.58 2.37 4.29 5.15 4.29 2.21	3.49 3.74 3.49 3.27 1.84 0.81 1.06 0.81 0.59 0.25 0.47 0.52 0.47	3.23 3.41 3.23 3.22 1.40 0.38 0.56 0.38 0.37 0.01 0.01 0.01	7.82 8.01 7.82 7.54 3.02 2.63 2.81 2.63 2.35 0.10 0.38 0.38 0.38	36.64 36.89 36.64 34.02 22.15 23.83 24.09 23.83 21.21 12.80 11.54 11.73 11.54 8.92

NYISO In City Energy Mitigation - AMP (NYC Zone) 2022 - 2023 Percentage of committed unit-hours mitigated

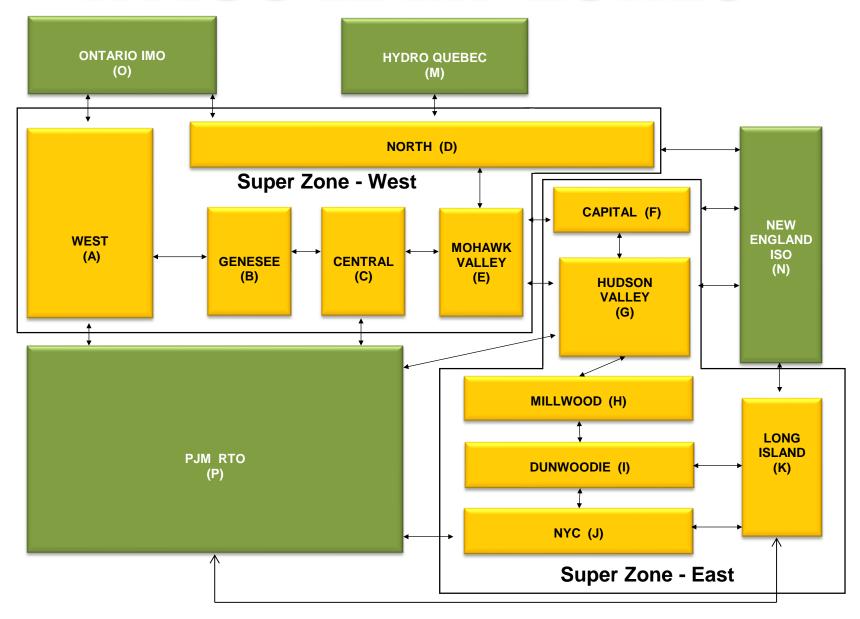








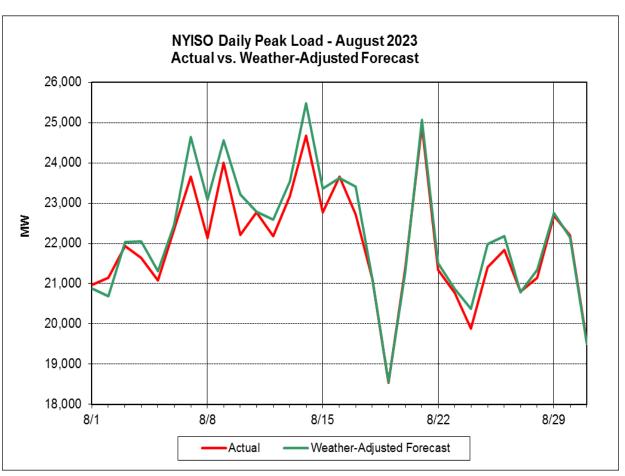
NYISO LBMP ZONES

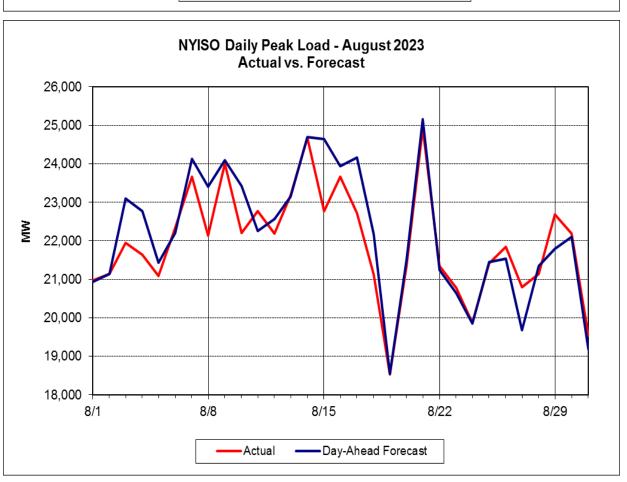


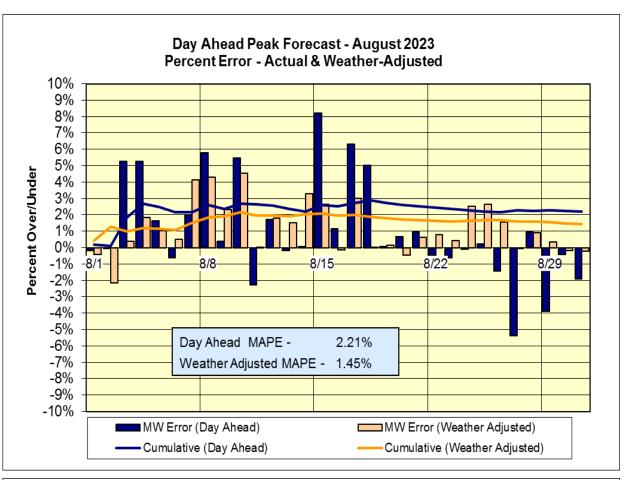
Market Mitigation and Analysis Prepared: 9/11/2023 4:23 PM

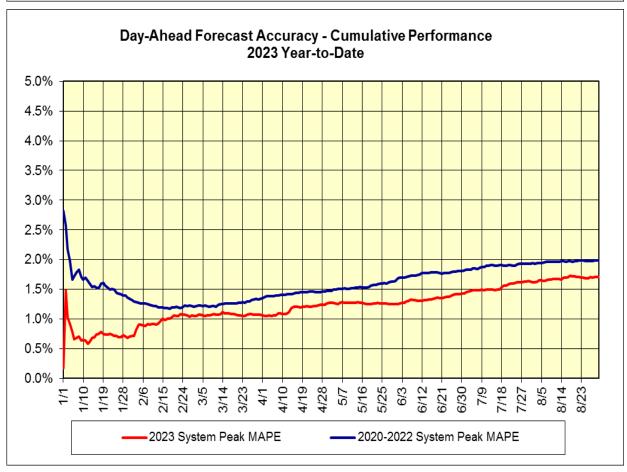
Billing Codes for Chart C

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









Summary Description of Regulatory Filings, Investigations, Rulemakings and Related Orders in NYISO Matters – August 2023

Filing Date	Filing Summary	Docket	Order Summary	Order Date
	NYISO Motion to Intervene and Comments regarding Bull Run Energy's request for a waiver of the requirements for the project to satisfy a regulatory milestone within six months of the NYISO's tender of the Large Generator Interconnection Agreement.	ER23-2140-000	FERC Order granted the waiver request of Bull Run Energy, allowing for a one-year extension to meet the regulatory milestone requirement by August 9, 2024.	8/7/2023
, ,	NYISO Motion to Intervene and Comments re: Hecate Grid Swiftsure, LLC request for a waiver of the requirements for the project to satisfy a regulatory milestone within six months of the NYISO's tender of the Large Generator Interconnection Agreement.	ER23-2455-000	FERC Order granted the waiver request of Hecate Grid Swiftsure, allowing for a one-year extension to meet the regulatory milestone requirement by August 8, 2024.	8/7/2023
	NYISO Informational Notice to confirm that Homer Solar timely satisfied the conditions in FERC's June 8, 2023 Order and that the NYISO, National Grid, and Homer Solar fully executed a conforming Large Generator Interconnection Agreement for the Homer Solar Energy Center.	ER23-1575-000		
	Joint NYISO-New York Power Authority (NYPA) Section 205 filing of an executed Large Generator Interconnection Agreement among NYISO, NYPA, and Hecate Energy Cider Solar for the Cider Solar Project (SA 2773).	ER23-2583-000		
	NYISO Informational Filing regarding interconnection study metrics for the second quarter of 2023, consistent with the requirements of Order Nos. 845 and 845-A.	ER19-1949-000		
	NYISO Comments to the New York Public Service Commission regarding identifying and defining zero-emissions, dispatchable resources.	PSC Case No. 15-E-0302		
	NYISO Deficiency Response to the Commission's July 18, 2023 Notice of Deficiency regarding the NYISO's June 1, 2023 Section 205 filing of proposed tariff revisions concerning the participation of Distributed Energy Resources (DER) and Aggregations.	ER23-2040-001		
	Joint NYISO-New York State Electric & Gas Corporation (NYSEG) Section 205 filing of an executed Second Amended and Restated Large Generator Interconnection Agreement among NYISO, NYSEG, and Baron Winds LLC for the Baron Winds Project (SA 2487).	ER23-2680-000		

Filing Date	Filing Summary	Docket	Order Summary	Order Date
8/24/2023	NYISO Motion to Intervene and Comments regarding Oxbow Hill Solar's request for waiver of the requirements for the Project to satisfy a regulatory milestone within six months of the NYISO's tender of the Large Generator Interconnection Agreement.	ER23-2559-000		
	NYISO Comments regarding the Alliance for Clean Energy- New York's petition to the NY PSC for a Tier 1 REC inflation adjustment mechanism.	PSC Case No. 15-E-0302		
8/29/2023	NYISO submission of FERC Form 3Q.	FERC Form 3Q		
8/29/2023	NYISO Request for Rehearing and Clarification regarding FERC Order No. 2023.	RM22-14-000		