



Monthly Report

A Report by the
New York Independent System Operator

February 2022

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February 2022 Report

Operations & Reliability Department New York Independent System Operator

Prepared by NYISO Operations Analysis and Services, based on settlements initial invoice data collected on or before March 8, 2022.

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February 2022 Operations Performance Highlights

- Peak load of 22,477 MW occurred on 2/14/2022 HB 18
- All-time winter capability period peak load of 25,738 MW occurred on 01/07/2014 HB 18
- 19.4 hours of Thunderstorm Alerts were declared
- 123 hours of NERC TLR level 3 curtailment called in response to high levels of clockwise loop flow impacting NY congestion.
- NYISO began securing Meyer 230/115kV Bk4 facility in the Real-Time Market on 02/23/2022 and in the Day-Ahead Market execution occurring on 02/24/2022 for the 02/25/2022 market day.
- To reduce risks from COVID-19, the NYISO continues to take several actions to maintain critical business operations and protect the health and well-being of our employees and stakeholders.

The following table identifies the estimated production cost savings associated with the Broader Regional Market initiatives.

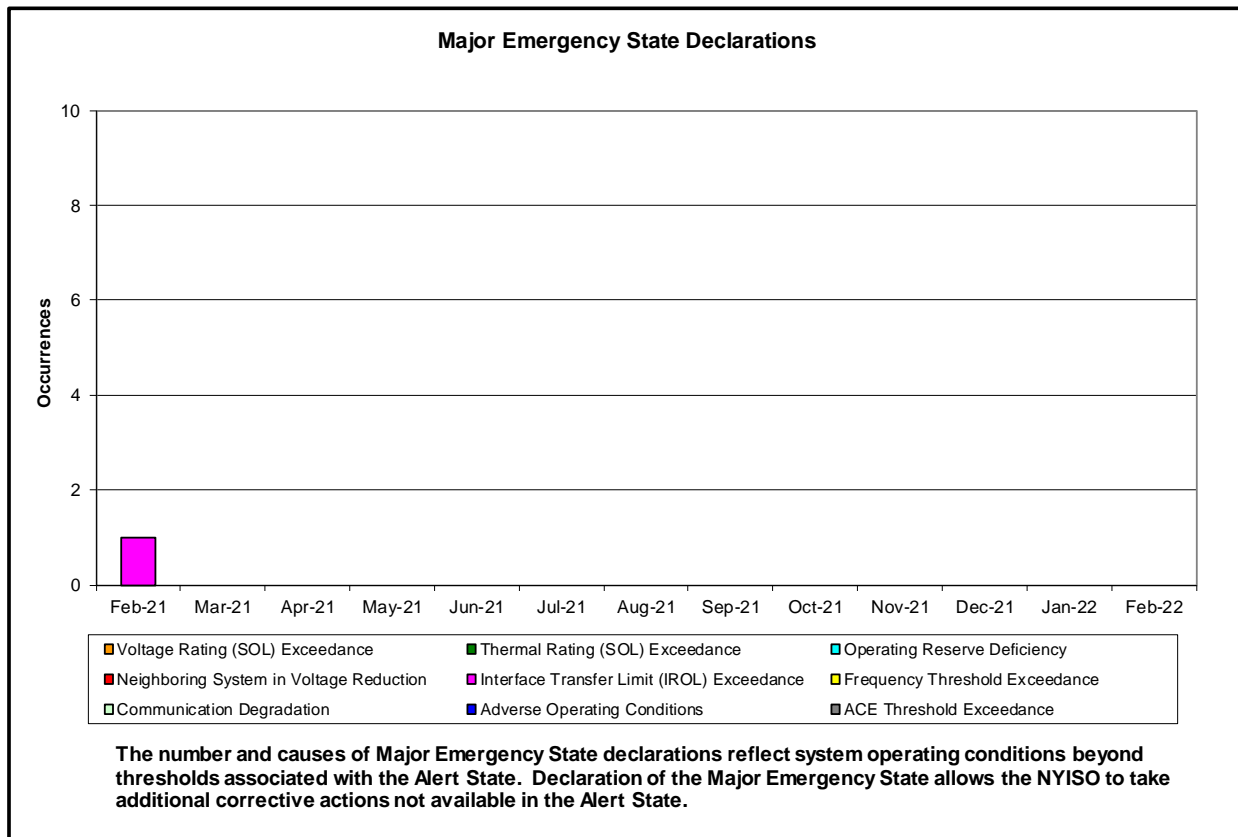
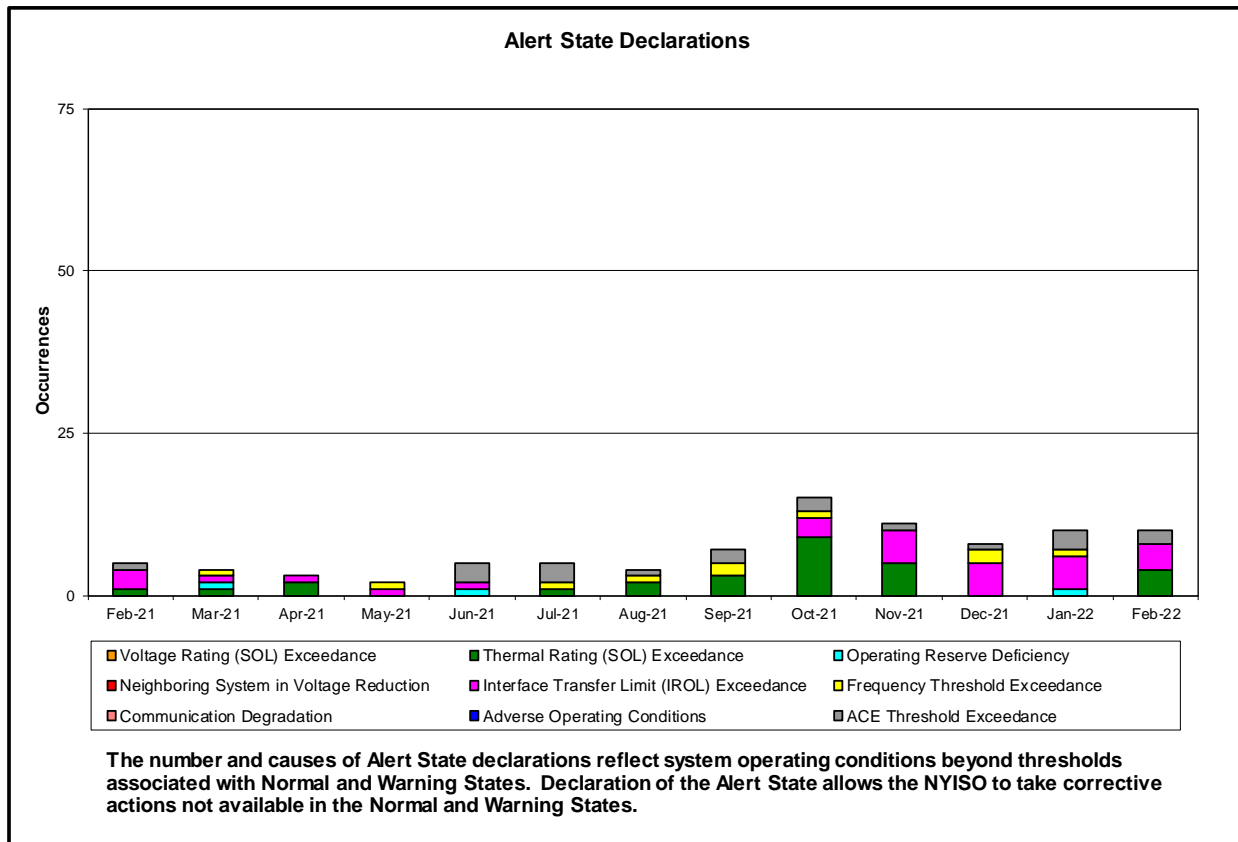
	Current Month Value (\$M)	Year-to-Date Value (\$M)
NY Savings from PJM-NY Congestion Coordination	\$2.16	\$18.38
NY Savings from PJM-NY Coordinated Transaction Scheduling	\$0.26	\$1.12
NY Savings from NE-NY Coordinated Transaction Scheduling	\$0.34	\$0.45
Total NY Savings	\$2.76	\$19.94
Regional Savings from PJM-NY Coordinated Transaction Scheduling	\$0.33	\$5.67
Regional Savings from NE-NY Coordinated Transaction Scheduling	\$0.08	\$0.43
Total Regional Savings	\$0.42	\$6.10

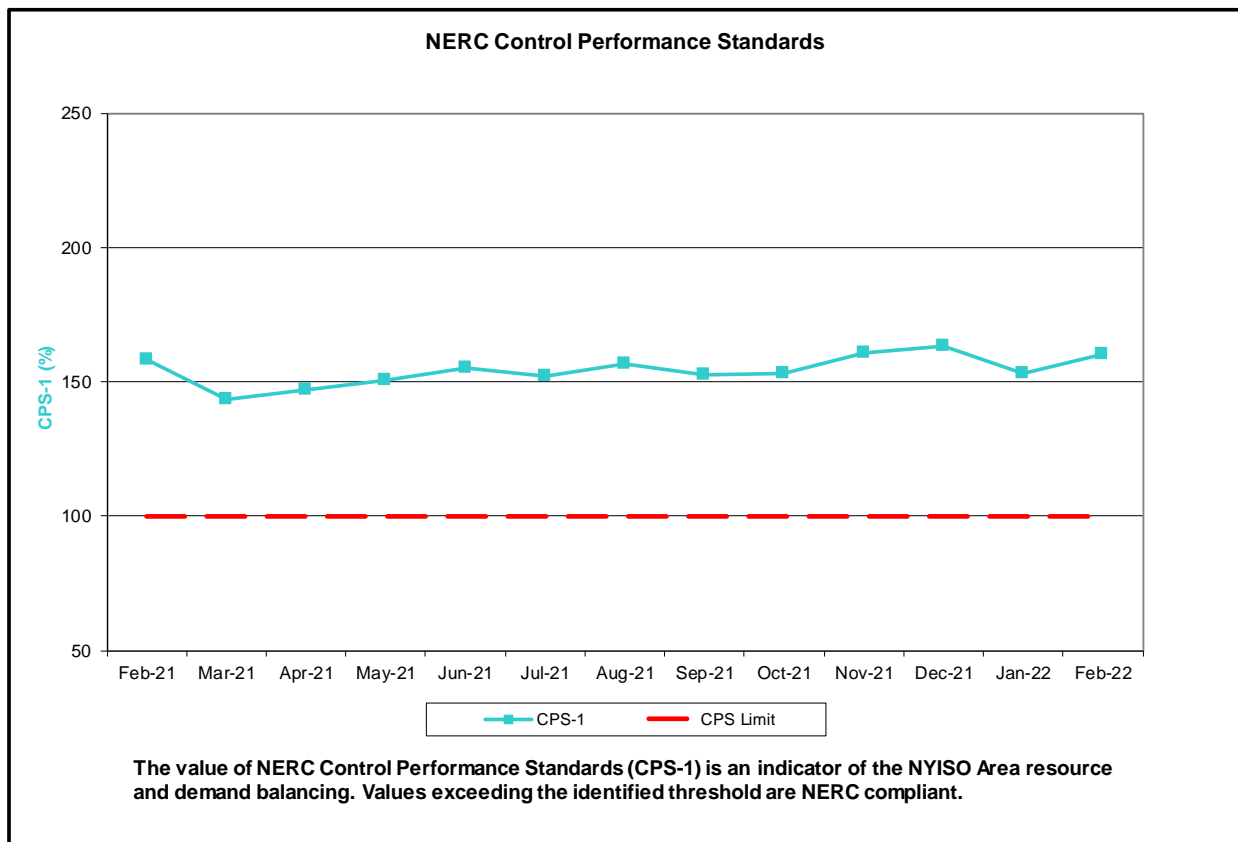
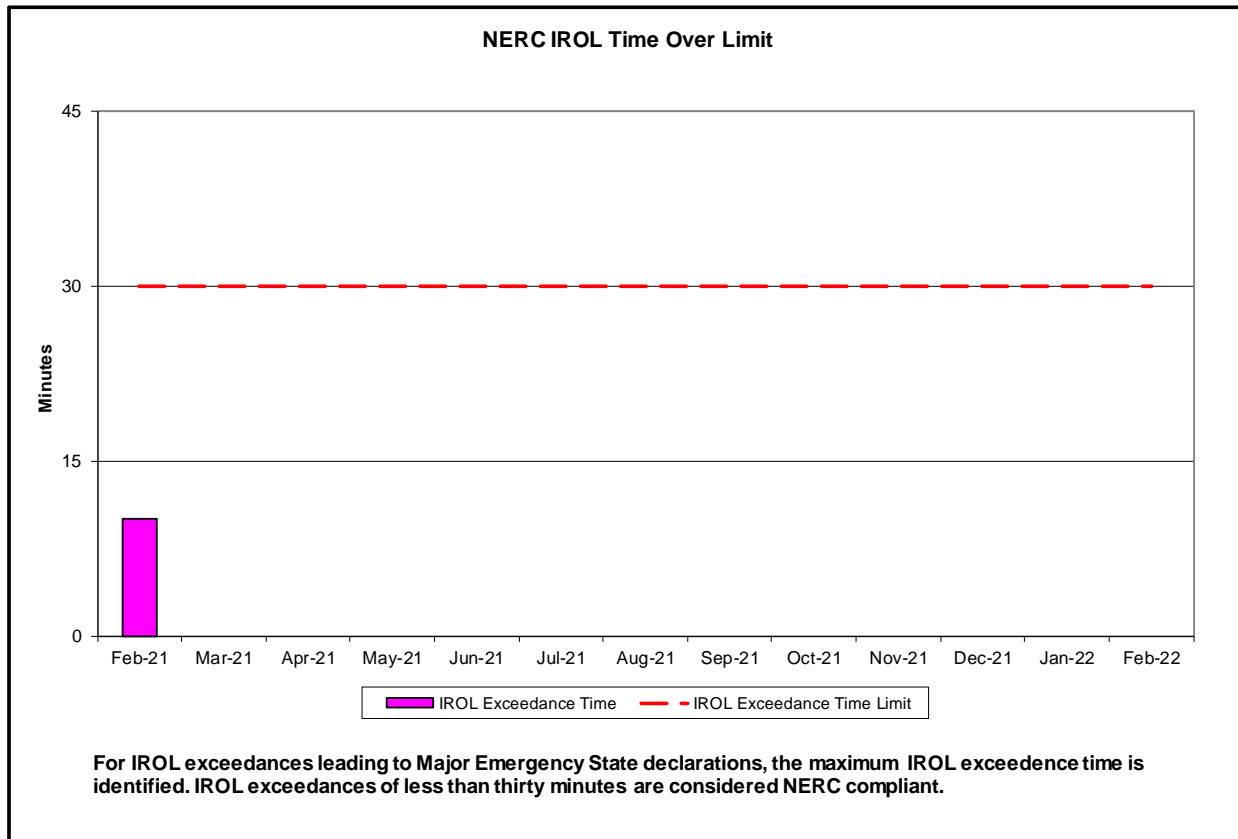
- Statewide uplift cost monthly average was (\$1.77)/MWh.
- The following table identifies the Monthly ICAP spot market prices and the price delta.

Spot Auction Price Results	NYCA	Lower Hudson Valley Zones	New York City Zone	Long Island Zone
March 2022 Spot Price	\$0.89	\$0.89	\$0.89	\$1.80
February 2022 Spot Price	\$2.95	\$2.95	\$2.95	\$2.95
Delta	(\$2.06)	(\$2.06)	(\$2.06)	(\$1.15)

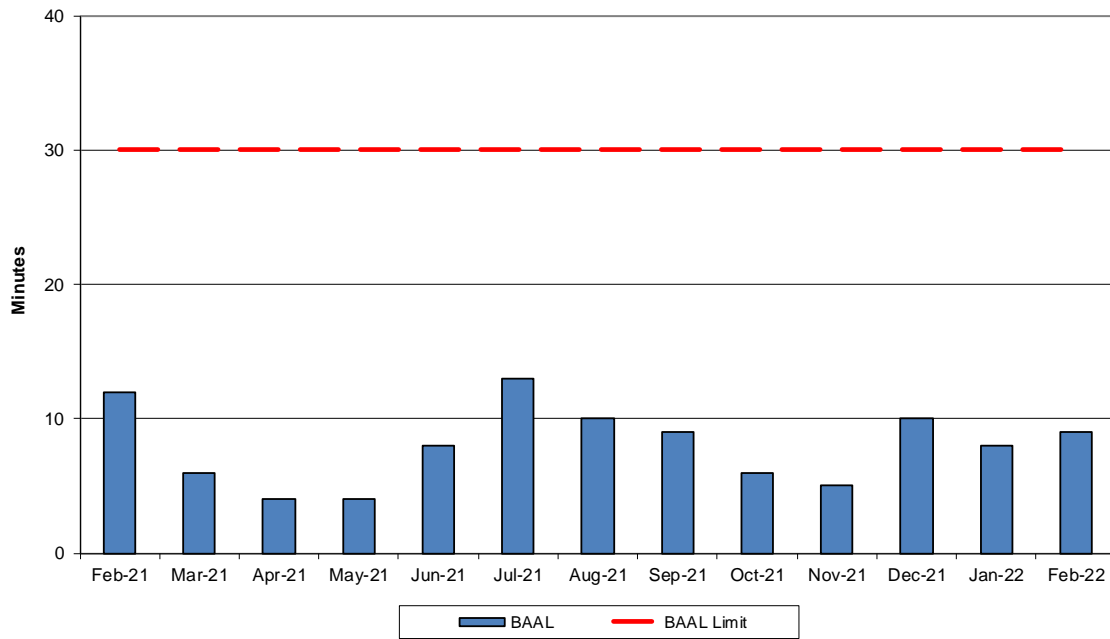
- All localities (except LI) experienced \$2.06 clearing price decline due to an increase net Imports. The clearing price for Lower Hudson Valley and New York City were set by NYCA.

Reliability Performance Metrics



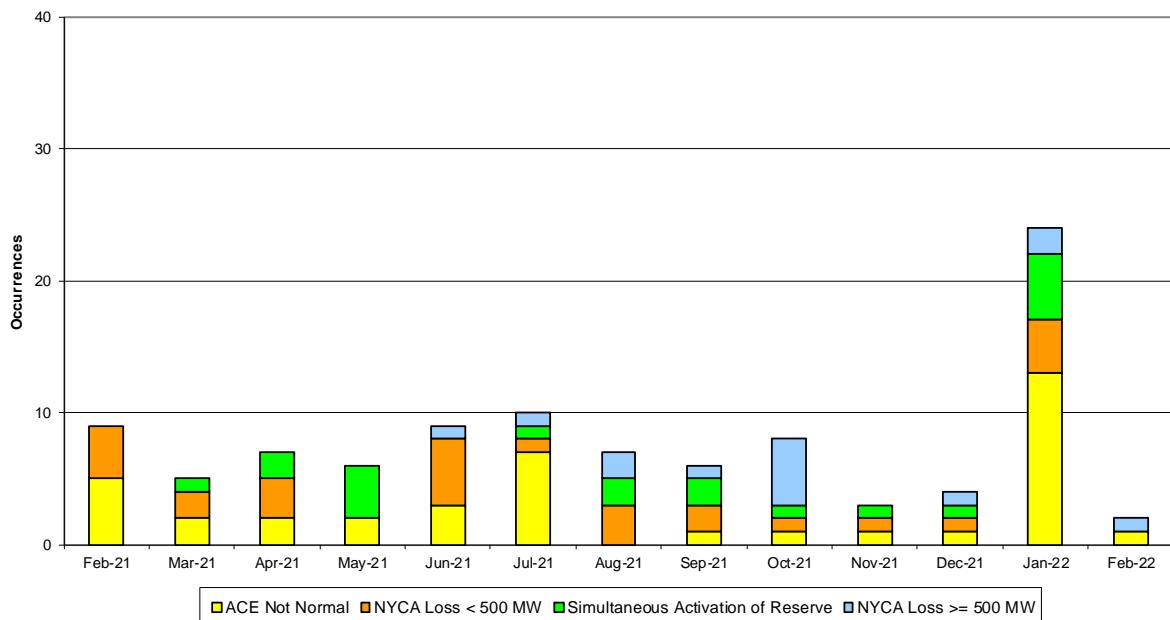


NERC Balancing Authority ACE Limit Standard



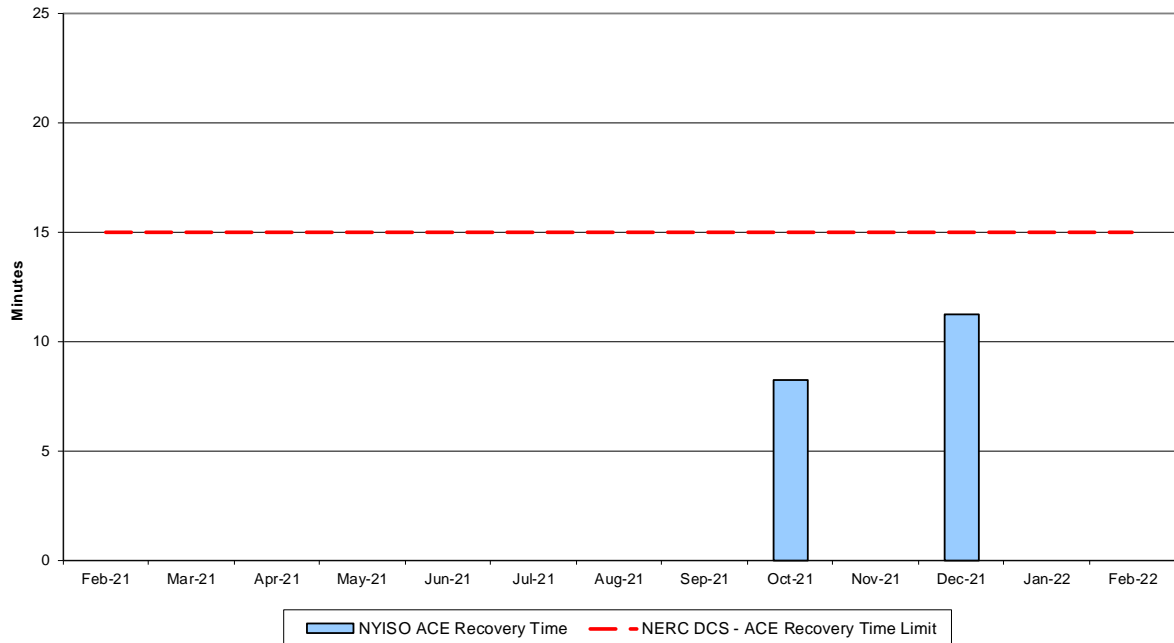
The amount of time the clock-minute average ACE exceeds the clock-minute Balancing Authority ACE Limit (BAAL) is an indicator of the NYISO Area resource and demand balancing. The maximum BAAL exceedance time is identified. BAAL exceedances of less than 30 consecutive clock-minutes are NERC compliant.

Reserve Activations



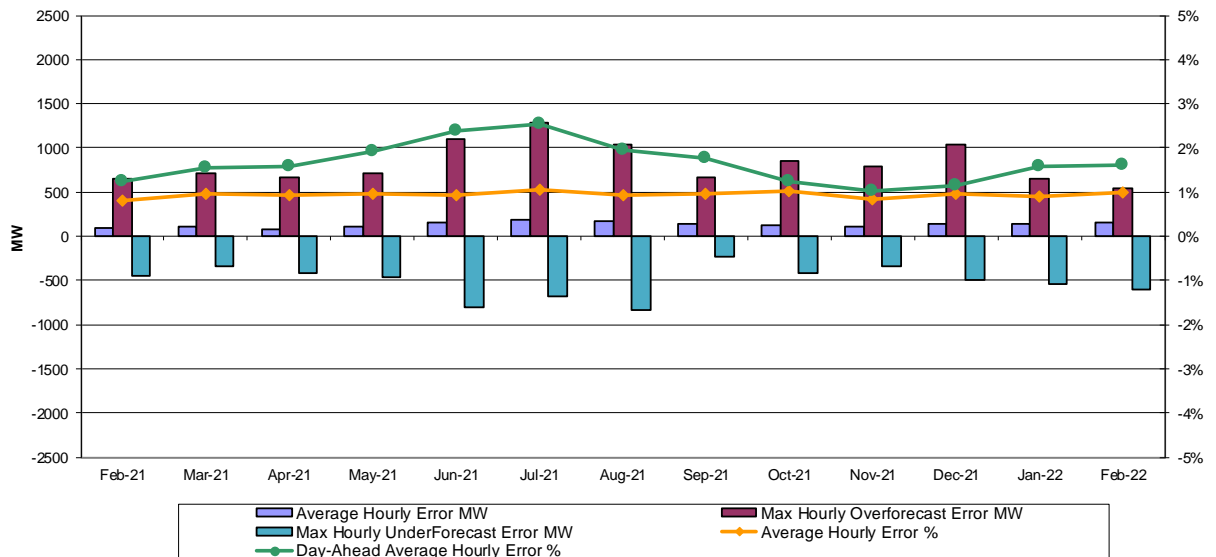
NYISO Reserve Activations are indicators of the need to respond to unexpected operational conditions within the NYISO Area or to assist a neighboring Area (Simultaneous Activation of Reserves) by activating an immediate resource and demand balancing operation.

DCS Event Time to ACE Recovery



For NYISO initiated NERC Reportable Disturbances, the maximum ACE recovery time is identified. Recovery times of less than 15 minutes are considered NERC compliant.

Load Forecast Performance

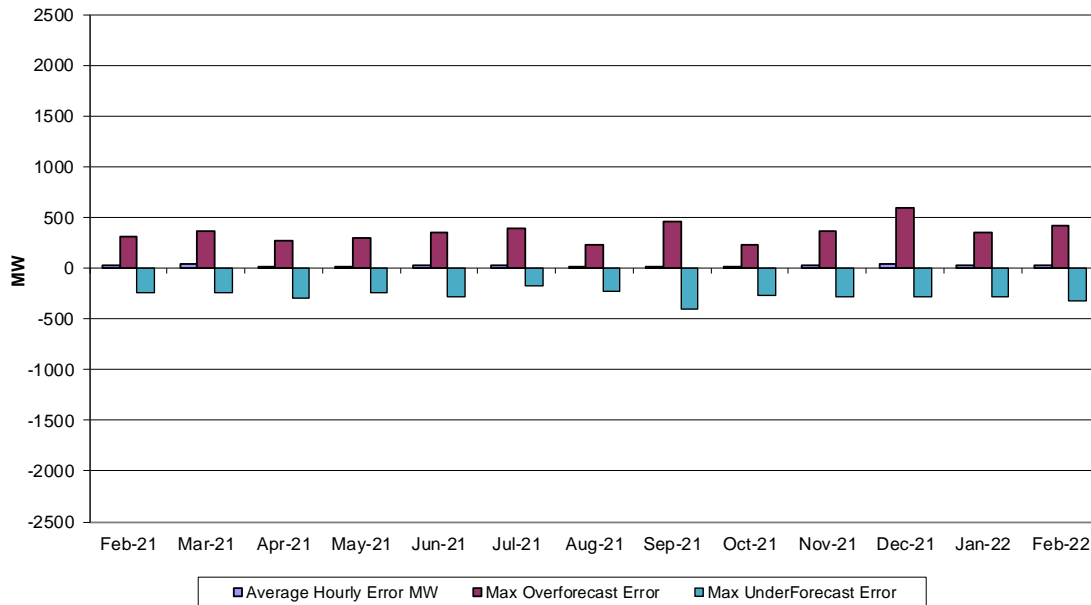


Hourly Error MW - Value of the difference between the hourly average actual load demand and the average hour ahead forecast load demand.

Average Hourly Error % - Average value of the ratio of hourly average error magnitude to hourly average actual load demand.

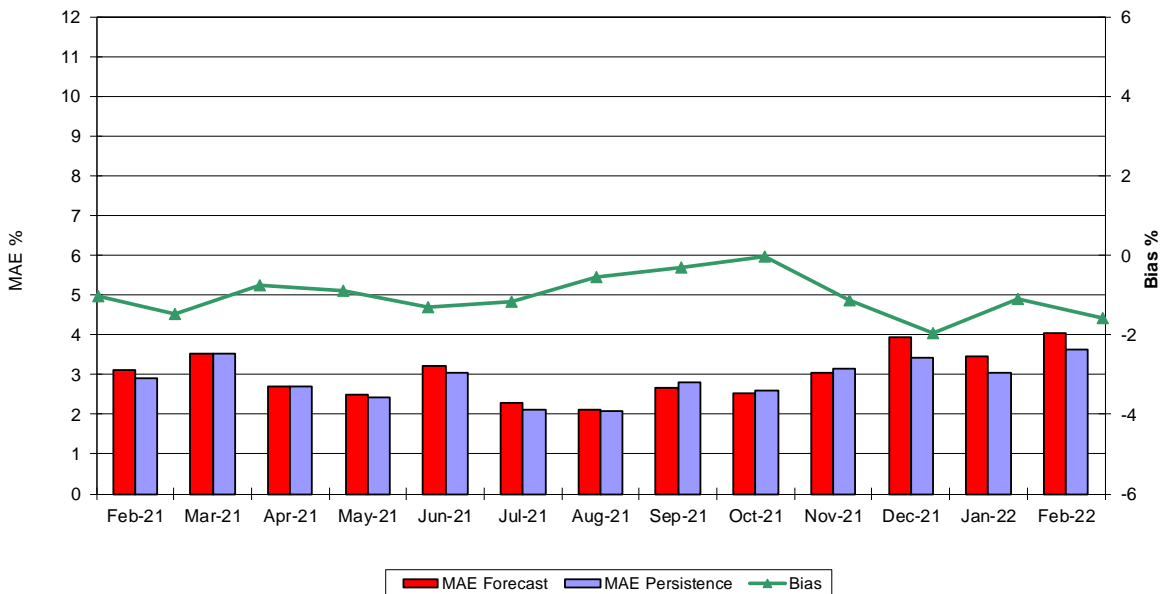
Day-Ahead Average Hourly Error % - Average across all hours of the month of the absolute value of the difference between actual load demand and the Day-Ahead forecast load demand, divided by the actual load demand.

Wind Forecast Performance Hour Ahead MW Error

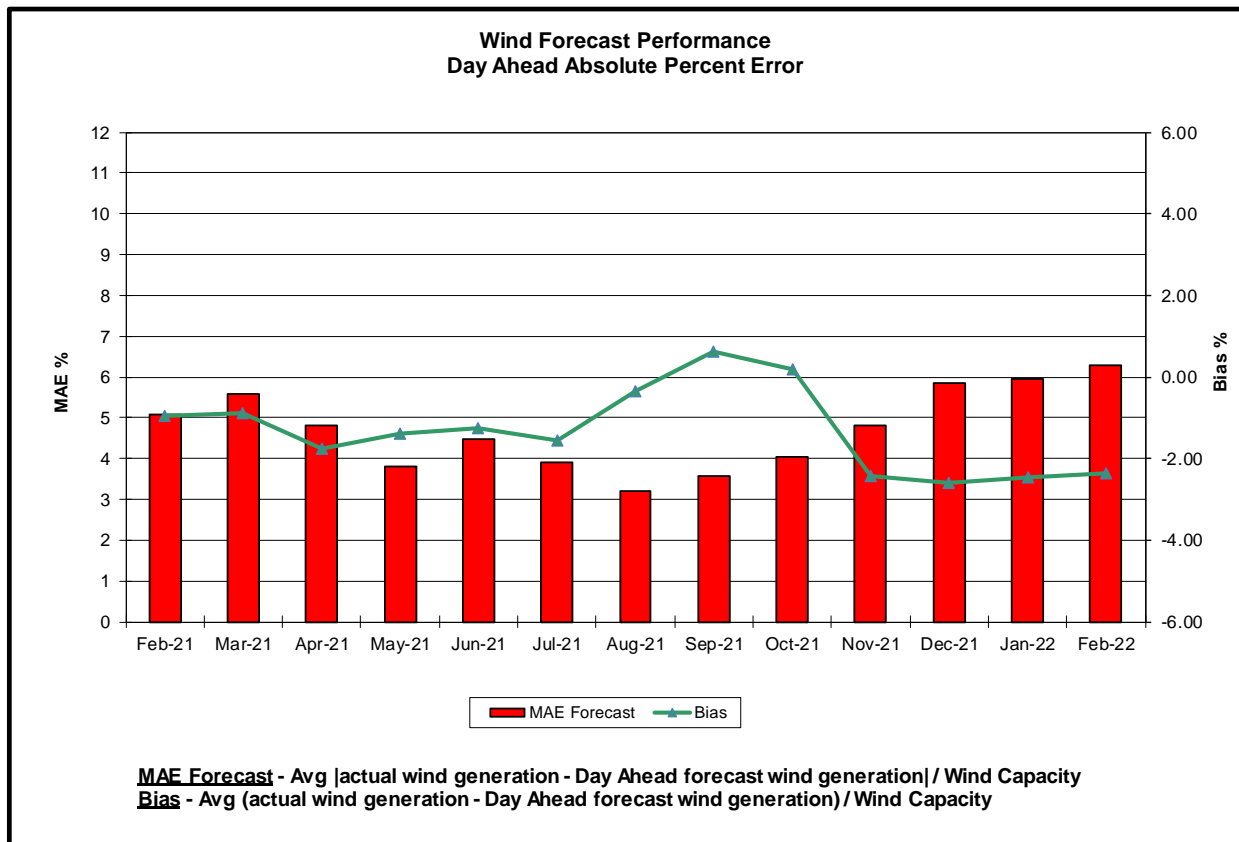
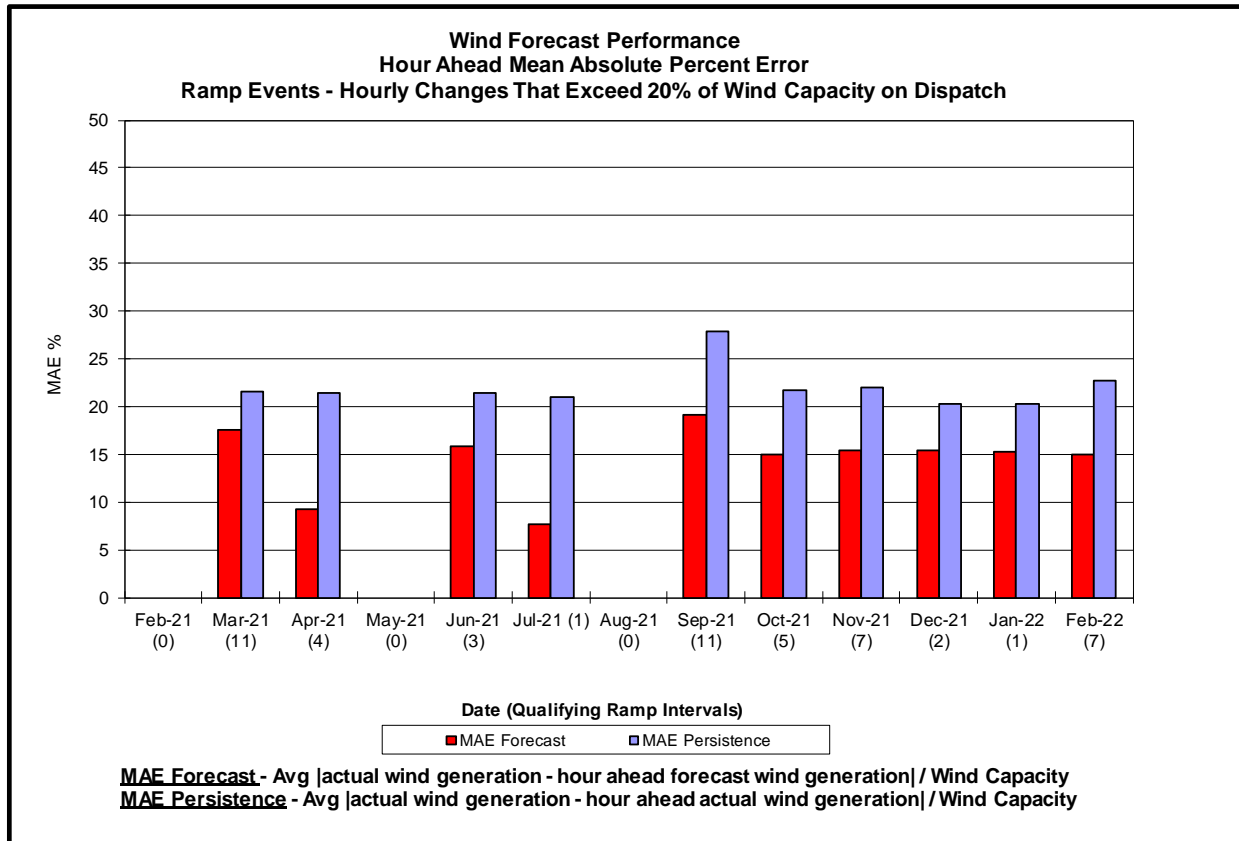


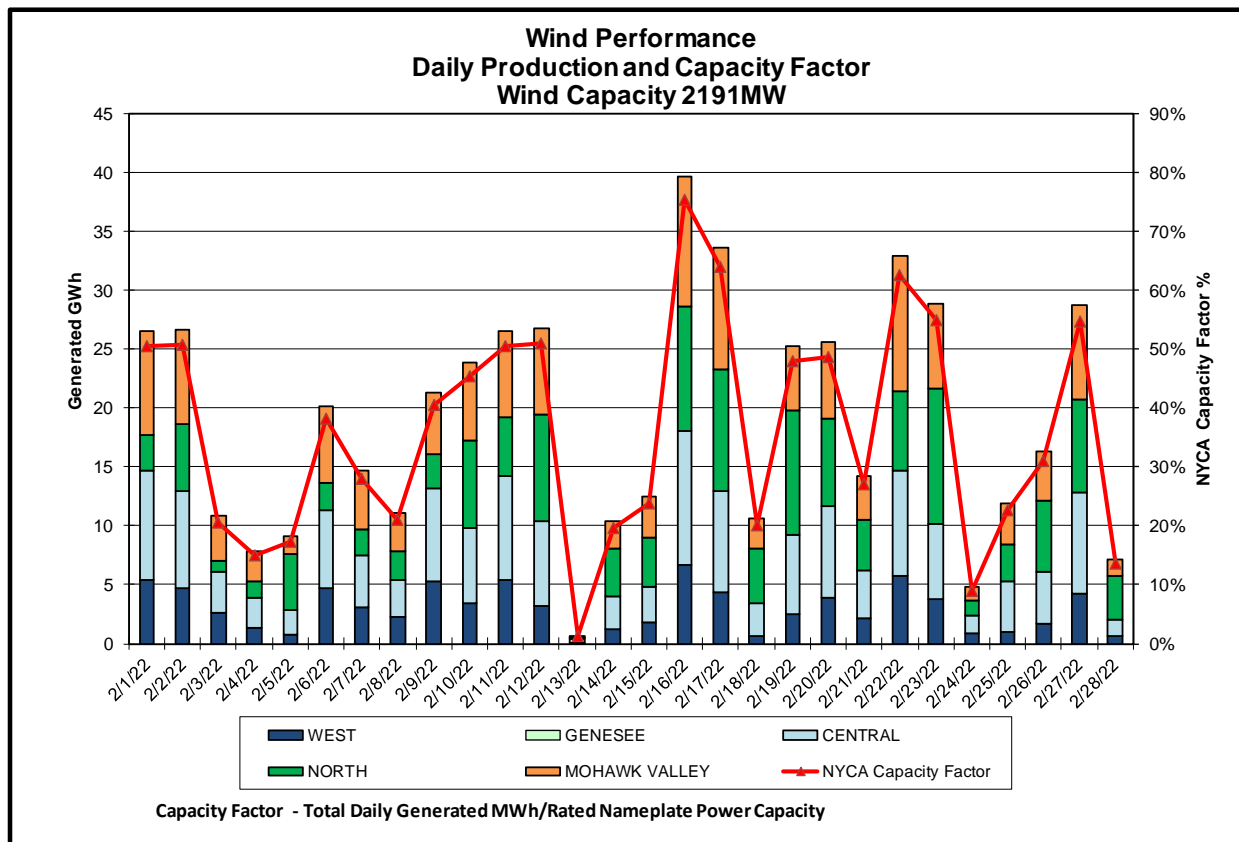
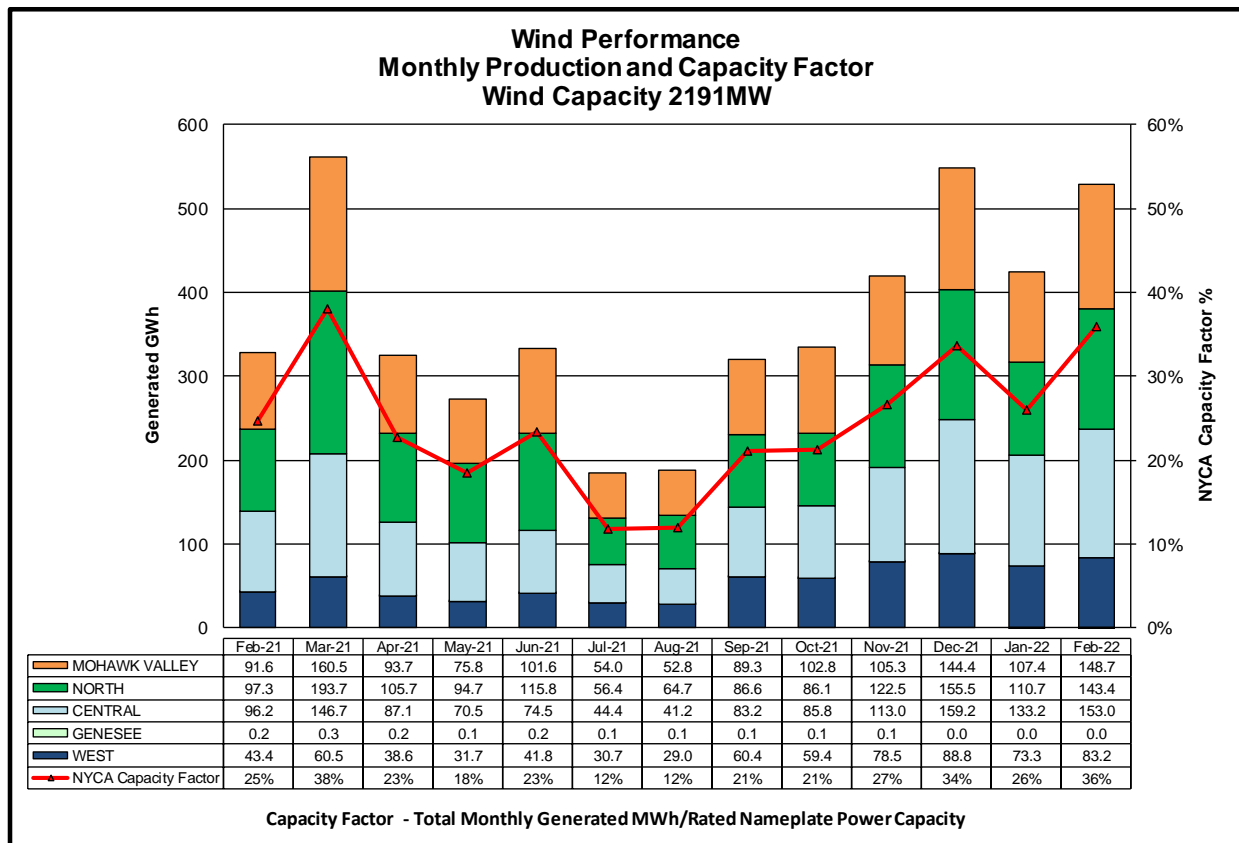
Hourly Error MW - Value of the difference between the hourly average actual wind generation and the average hour ahead forecast wind generation.

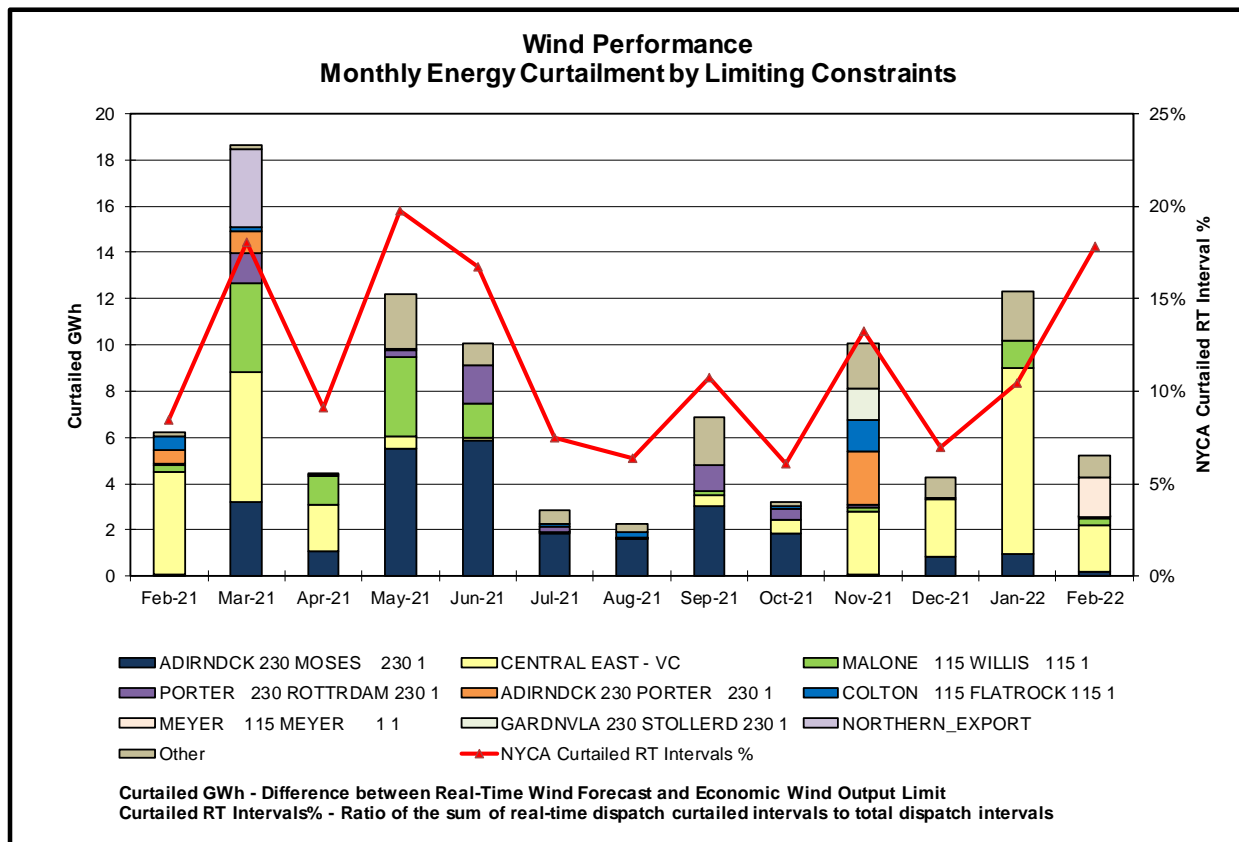
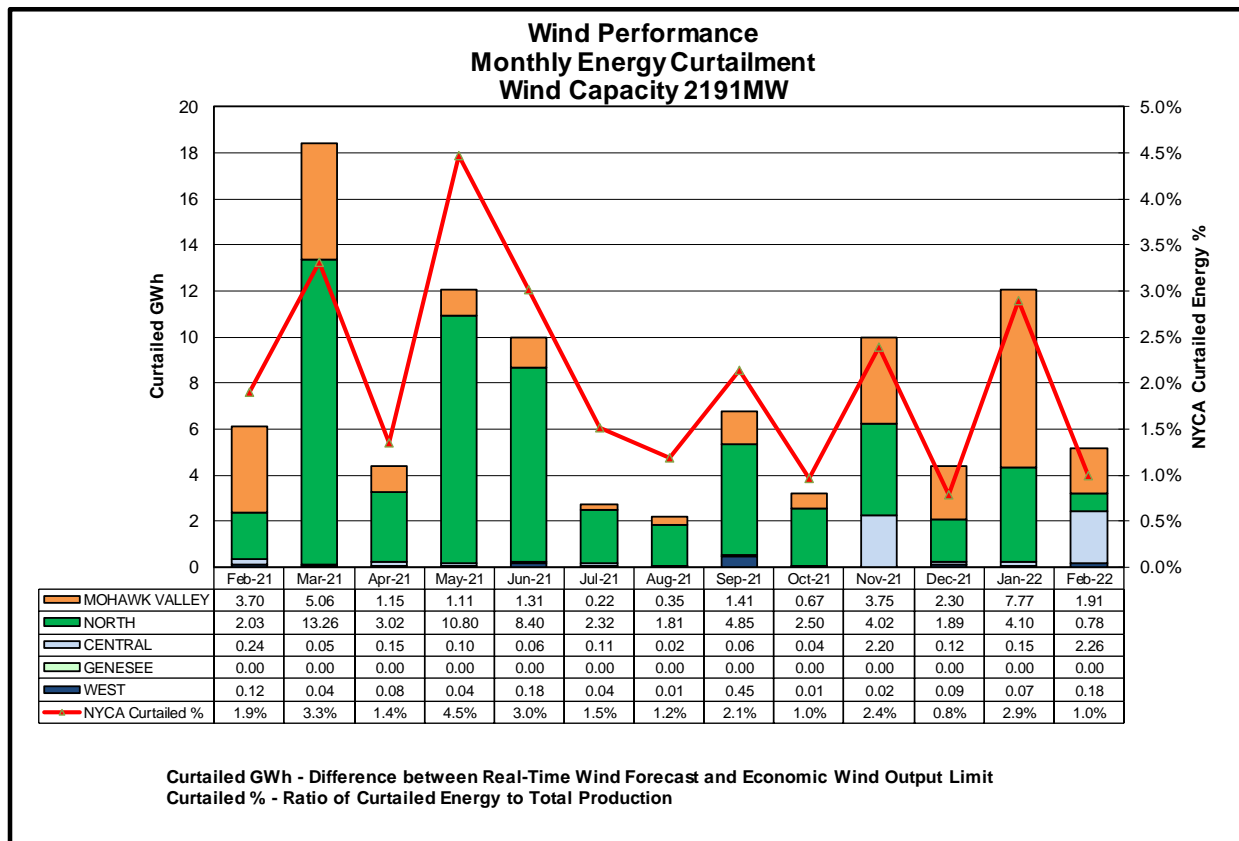
Wind Forecast Performance Hour Ahead Percent Error

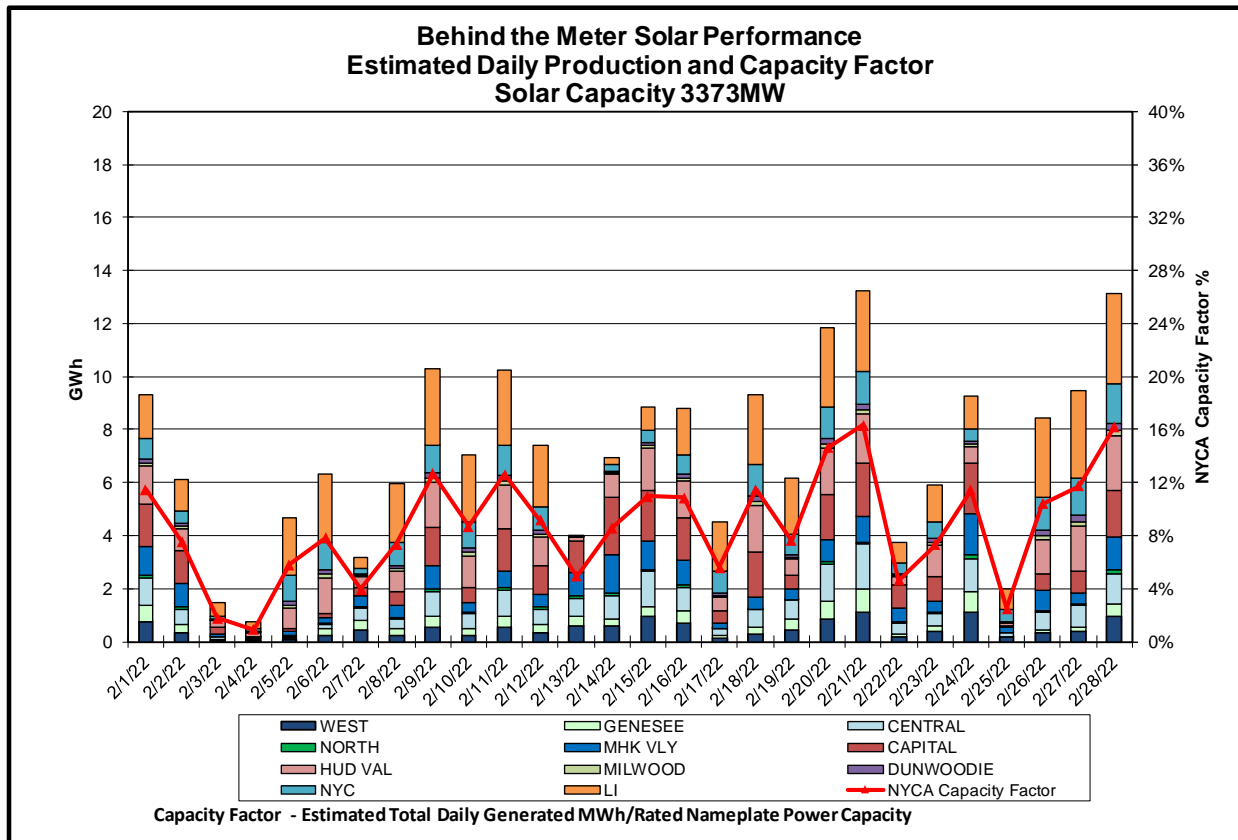
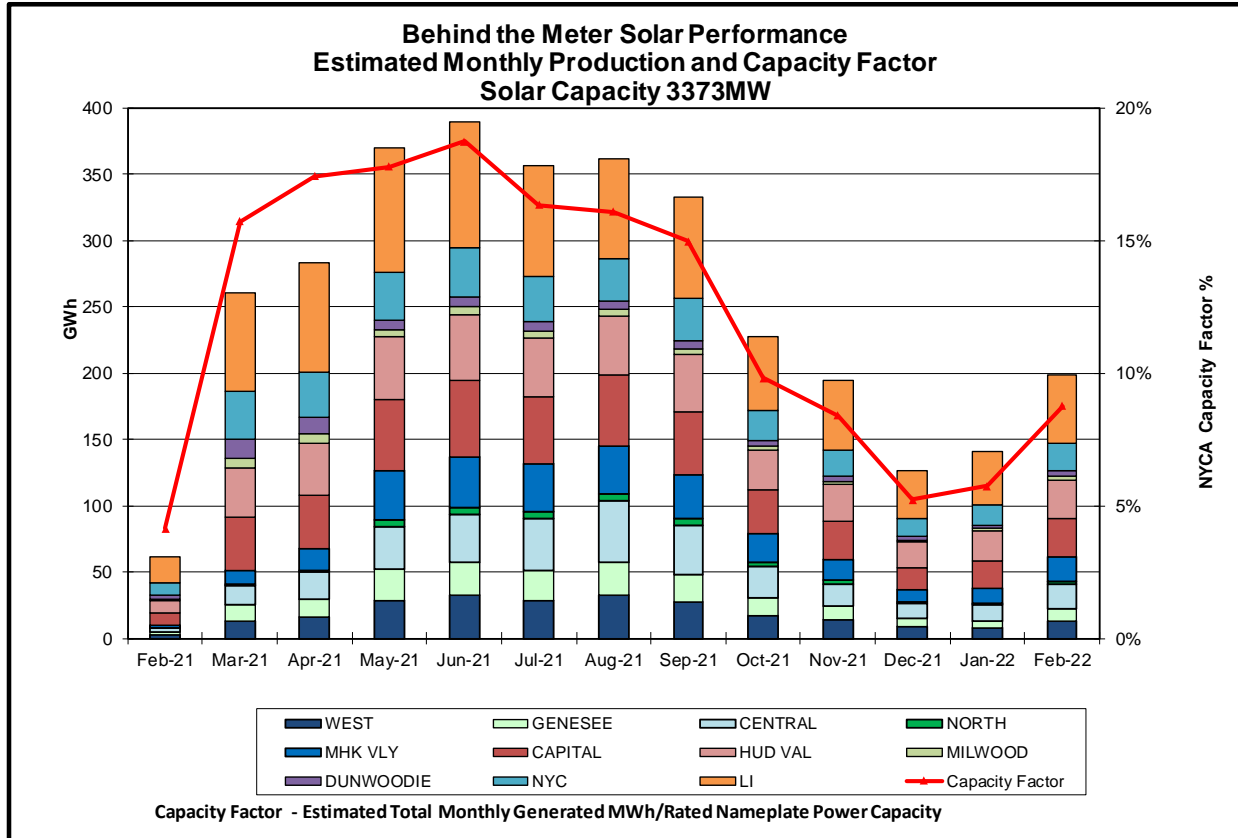


MAE Forecast - Avg |actual wind generation - hour ahead forecast wind generation| / Wind Capacity
MAE Persistence - Avg |actual wind generation - hour ahead actual wind generation| / Wind Capacity
Bias - Avg (actual wind generation - hour ahead forecast wind generation) / Wind Capacity

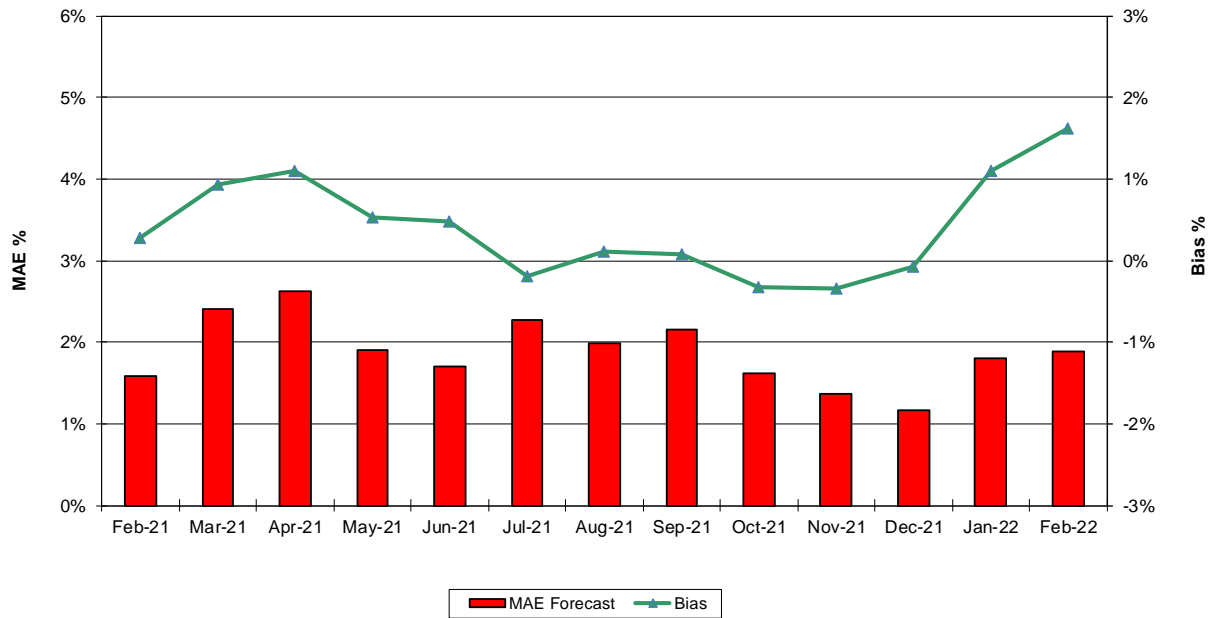






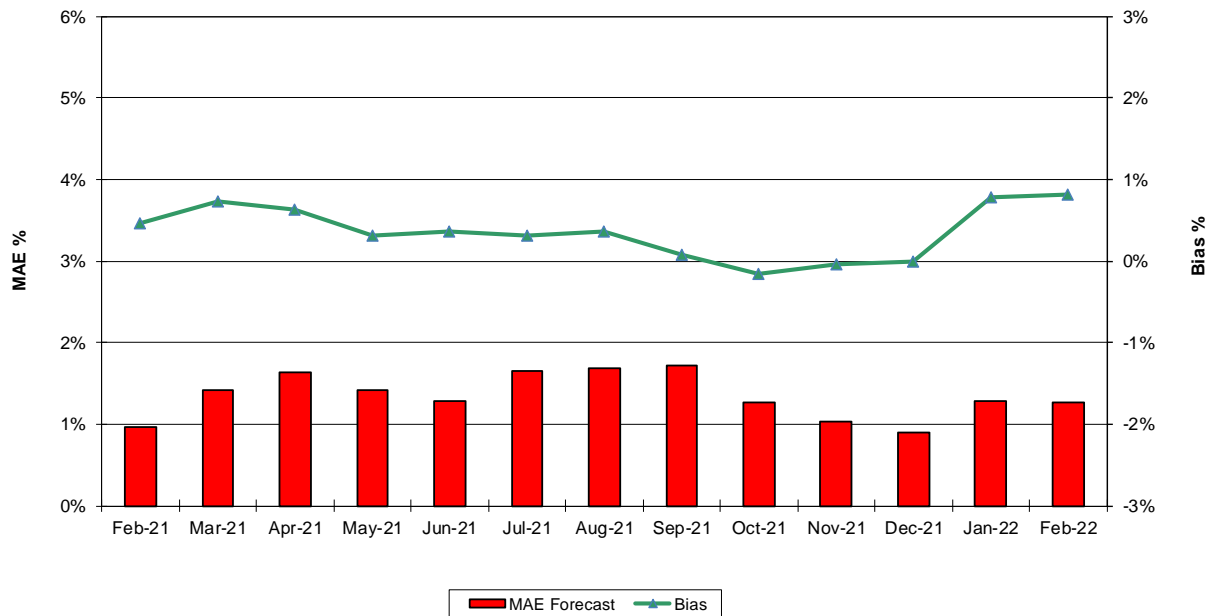


Behind the Meter Solar Forecast Performance Day Ahead Percent Error

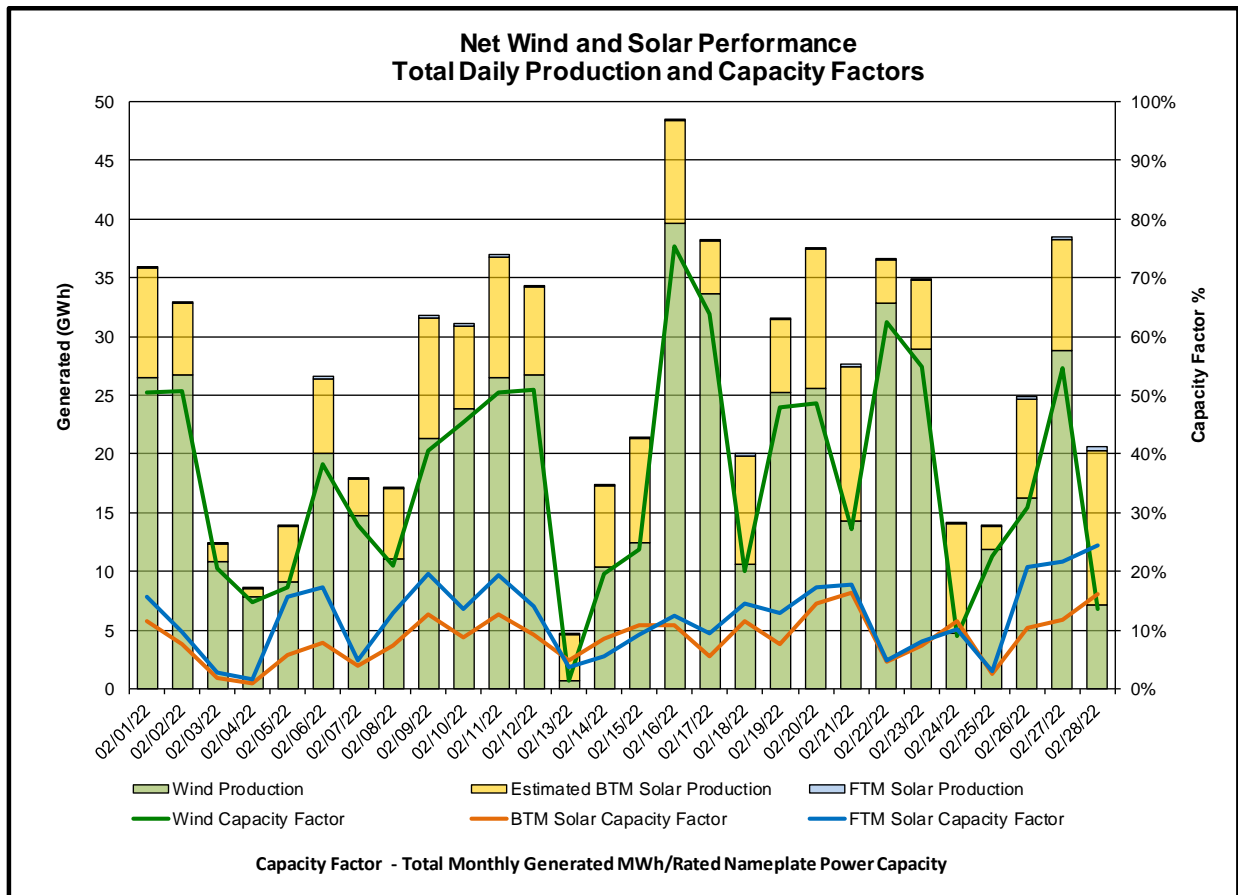
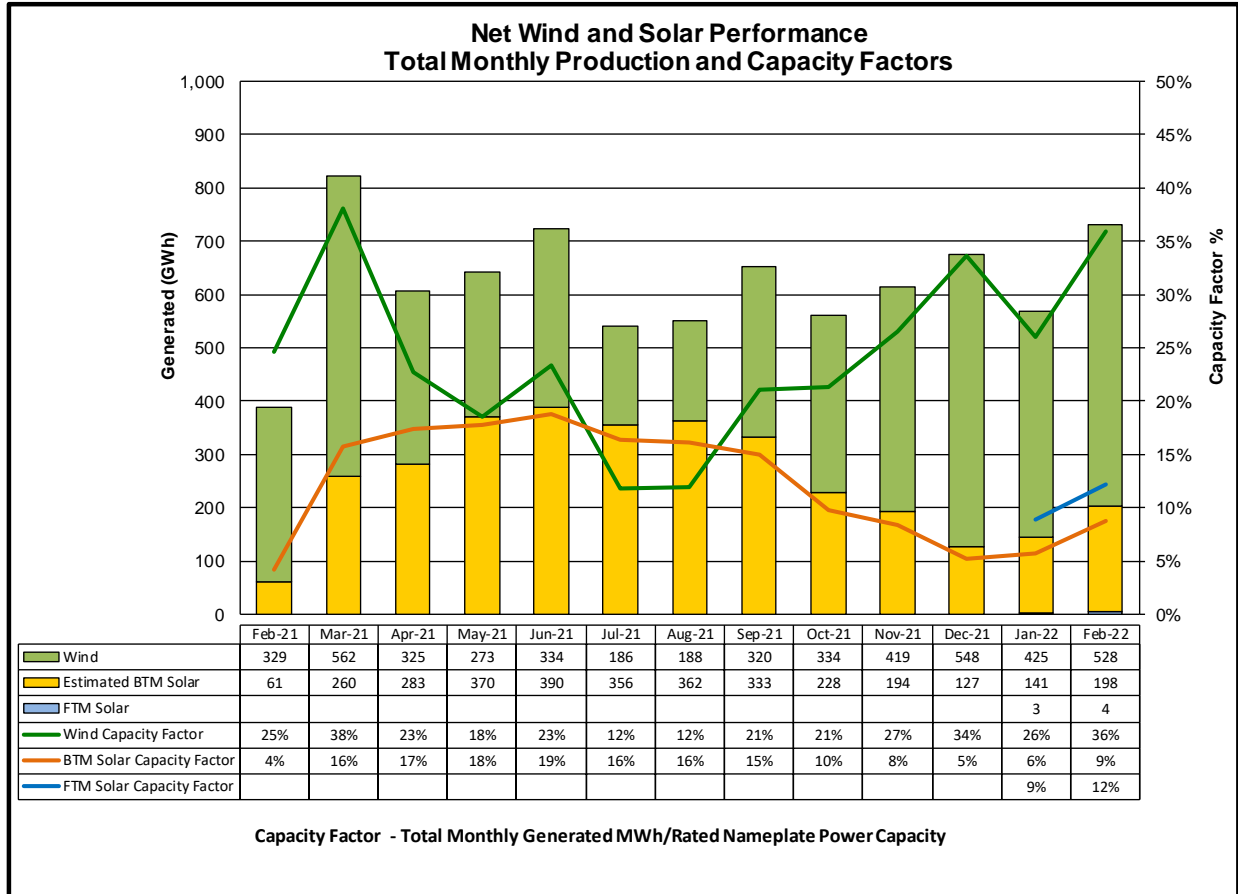


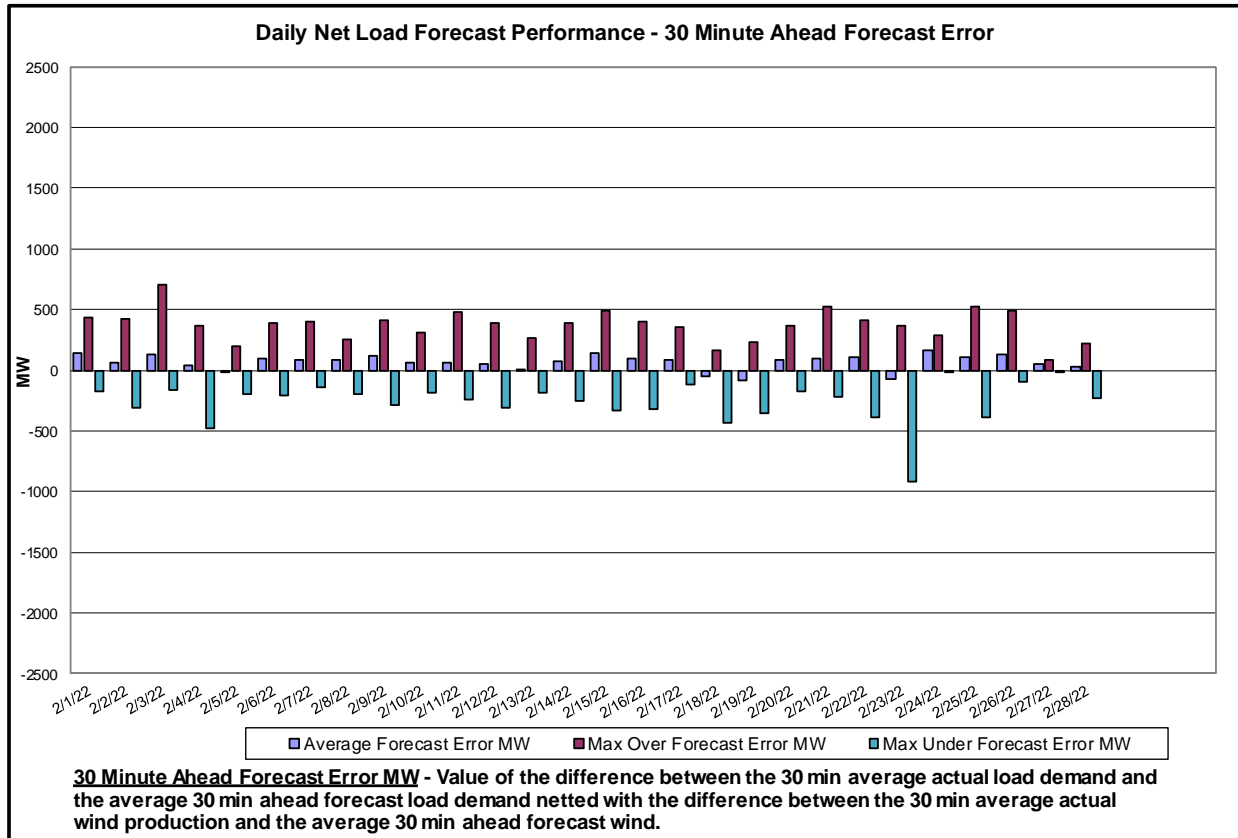
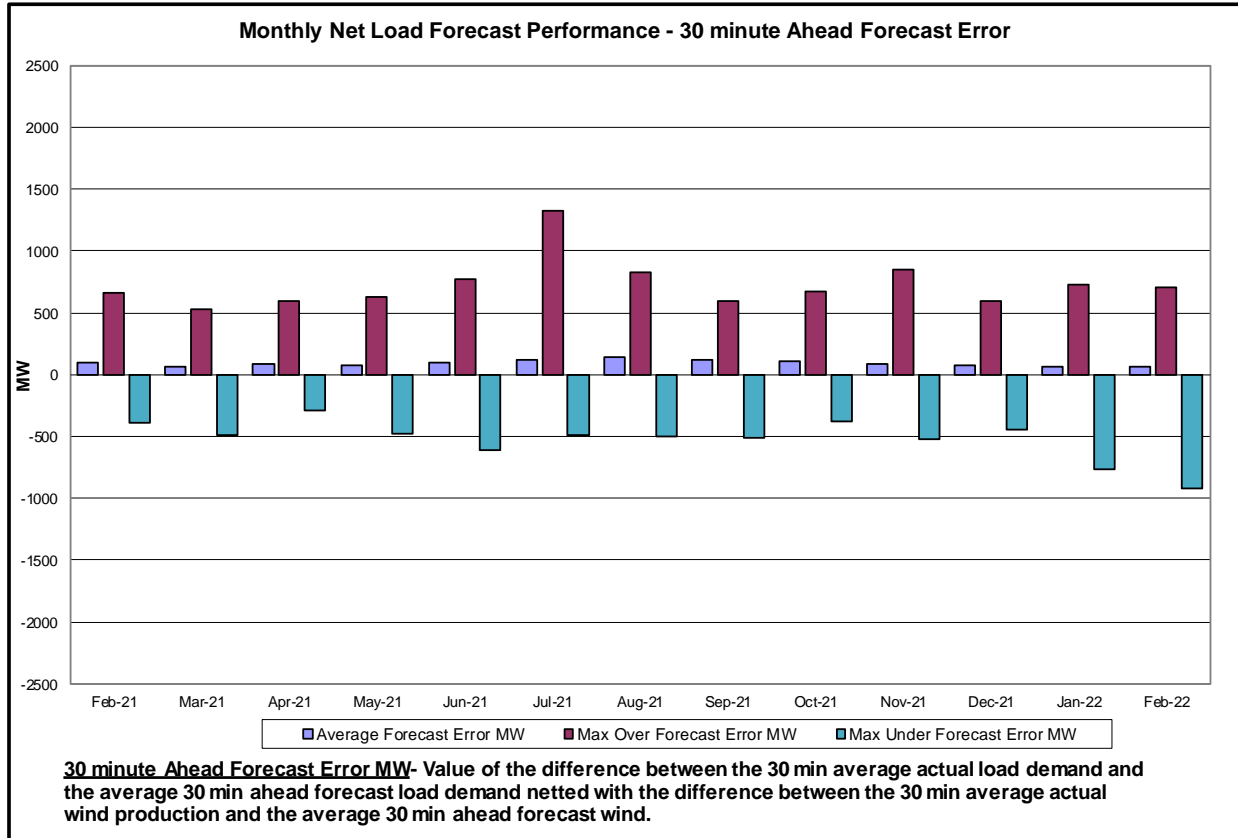
MAE Forecast - Avg |est. actual solar generation - Day Ahead forecast solar generation| / Solar Capacity
Bias - Avg (est. actual solar generation - Day Ahead forecast solar generation) / Solar Capacity

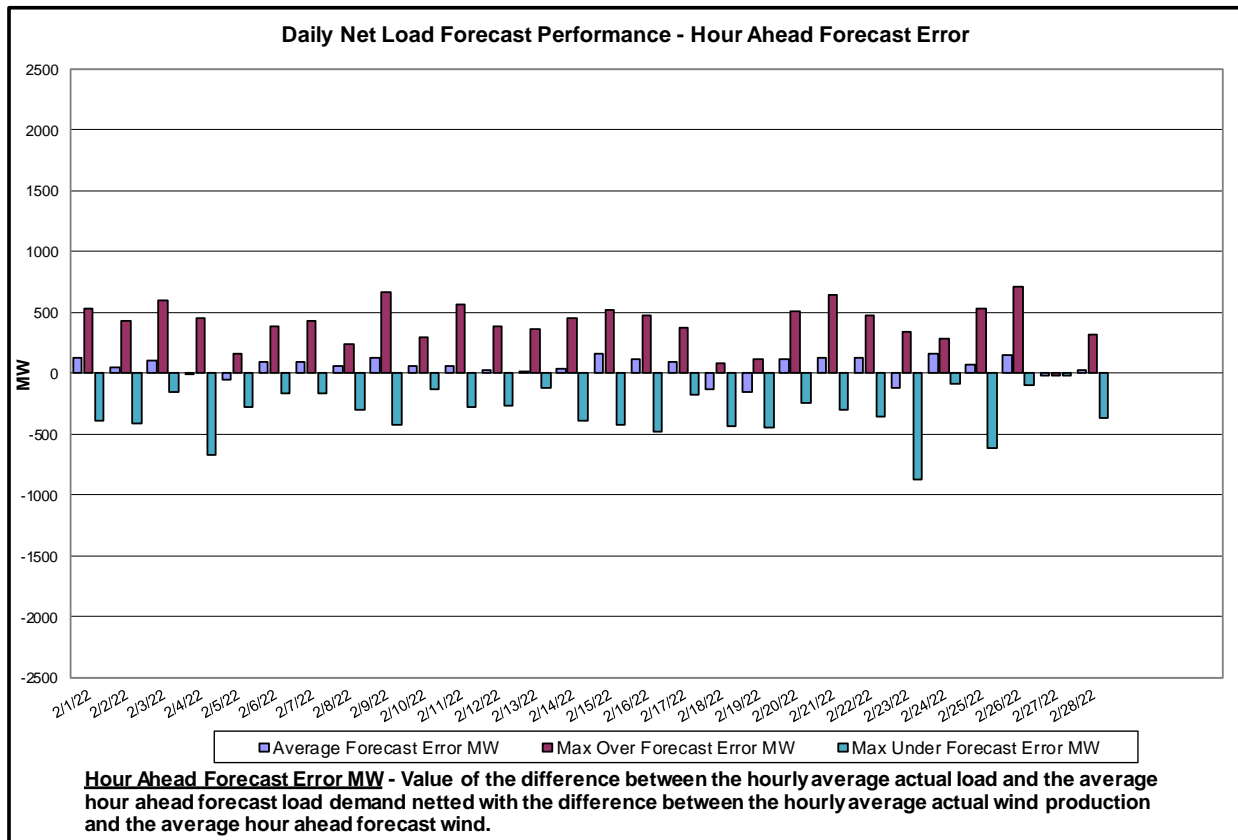
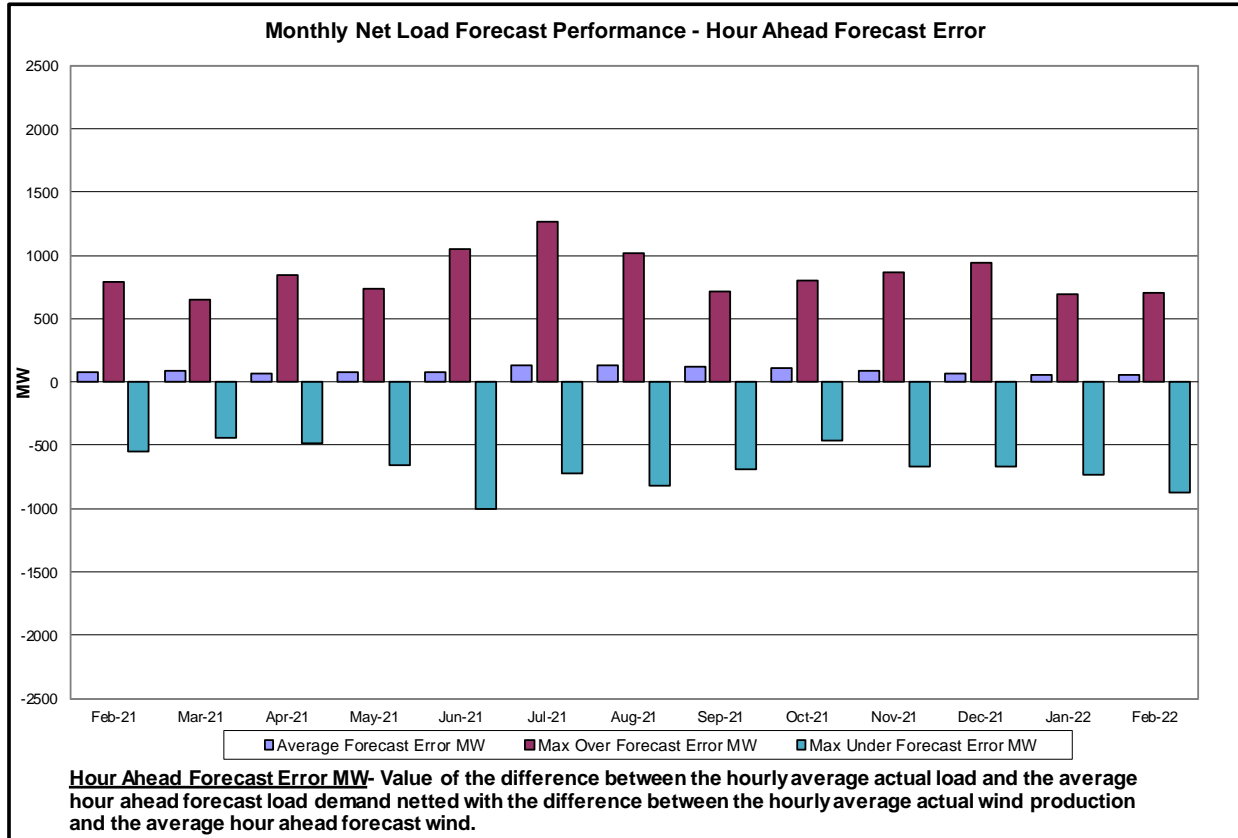
Behind the Meter Solar Forecast Performance Hour Ahead Percent Error

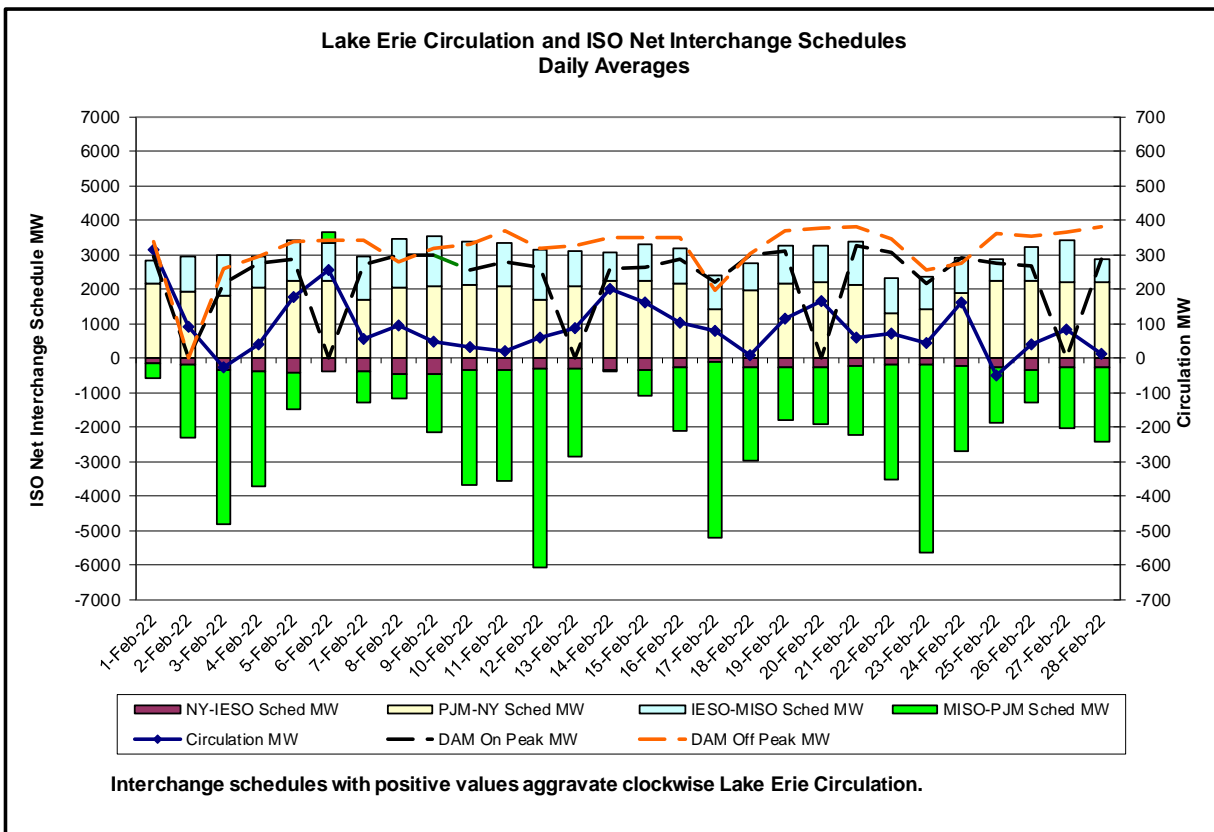
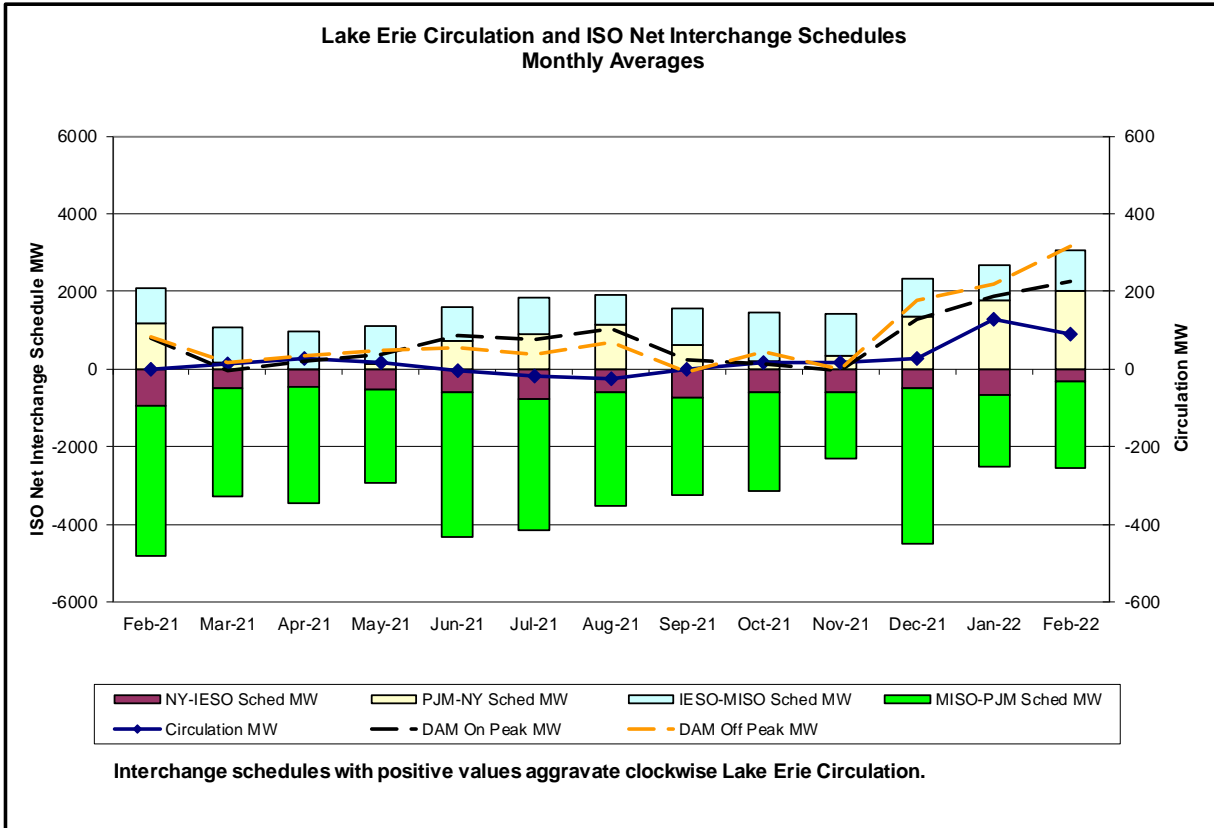


MAE Forecast - Avg |est. actual solar generation - Hour Ahead forecast solar generation| / Solar Capacity
Bias - Avg (est. actual solar generation - Hour Ahead forecast solar generation) / Solar Capacity

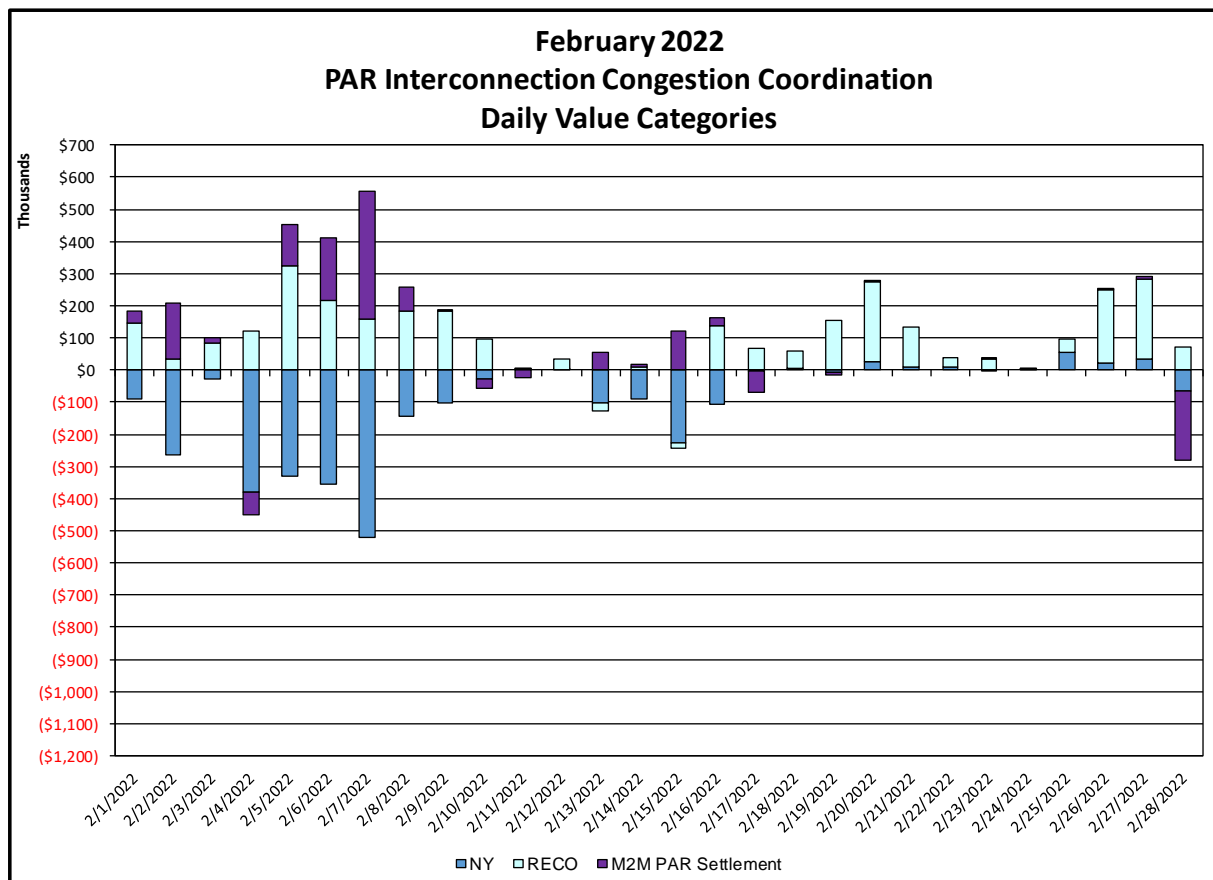
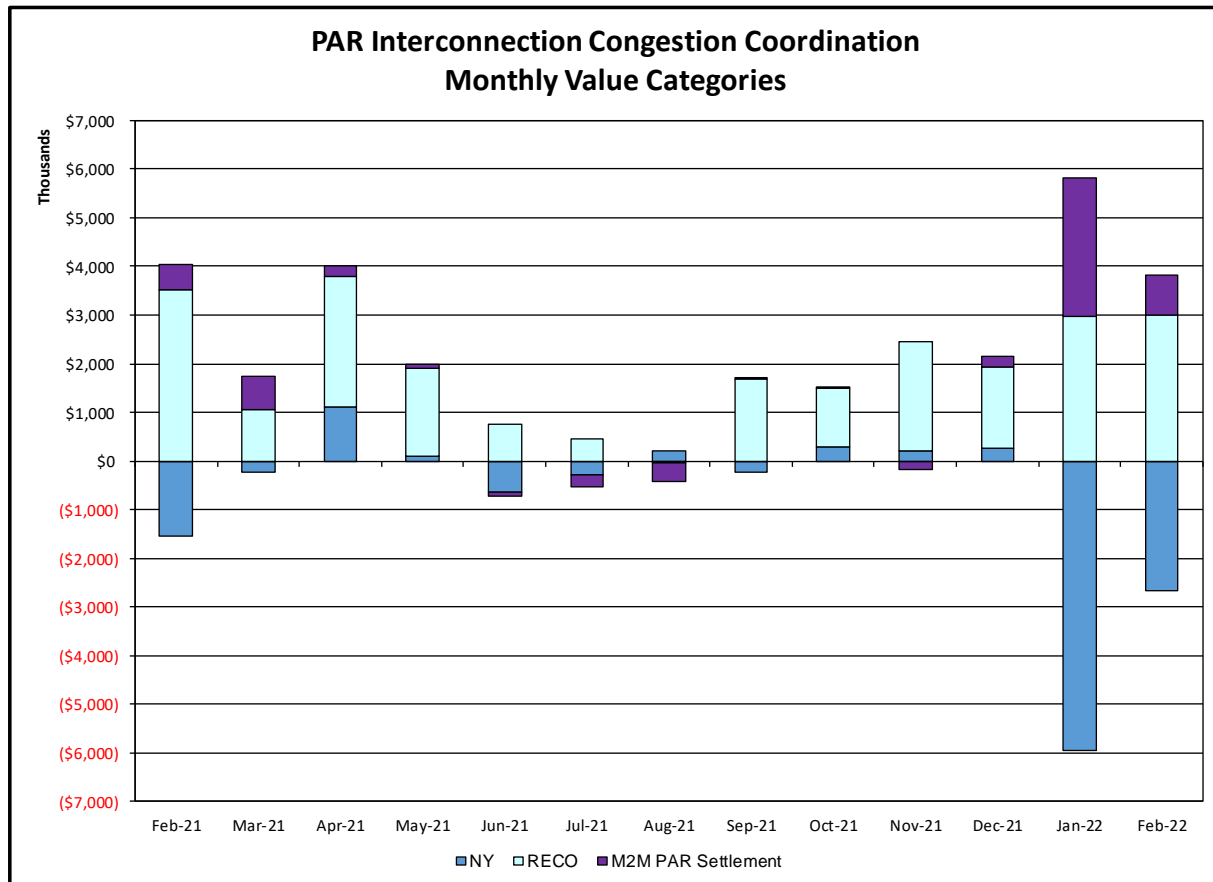




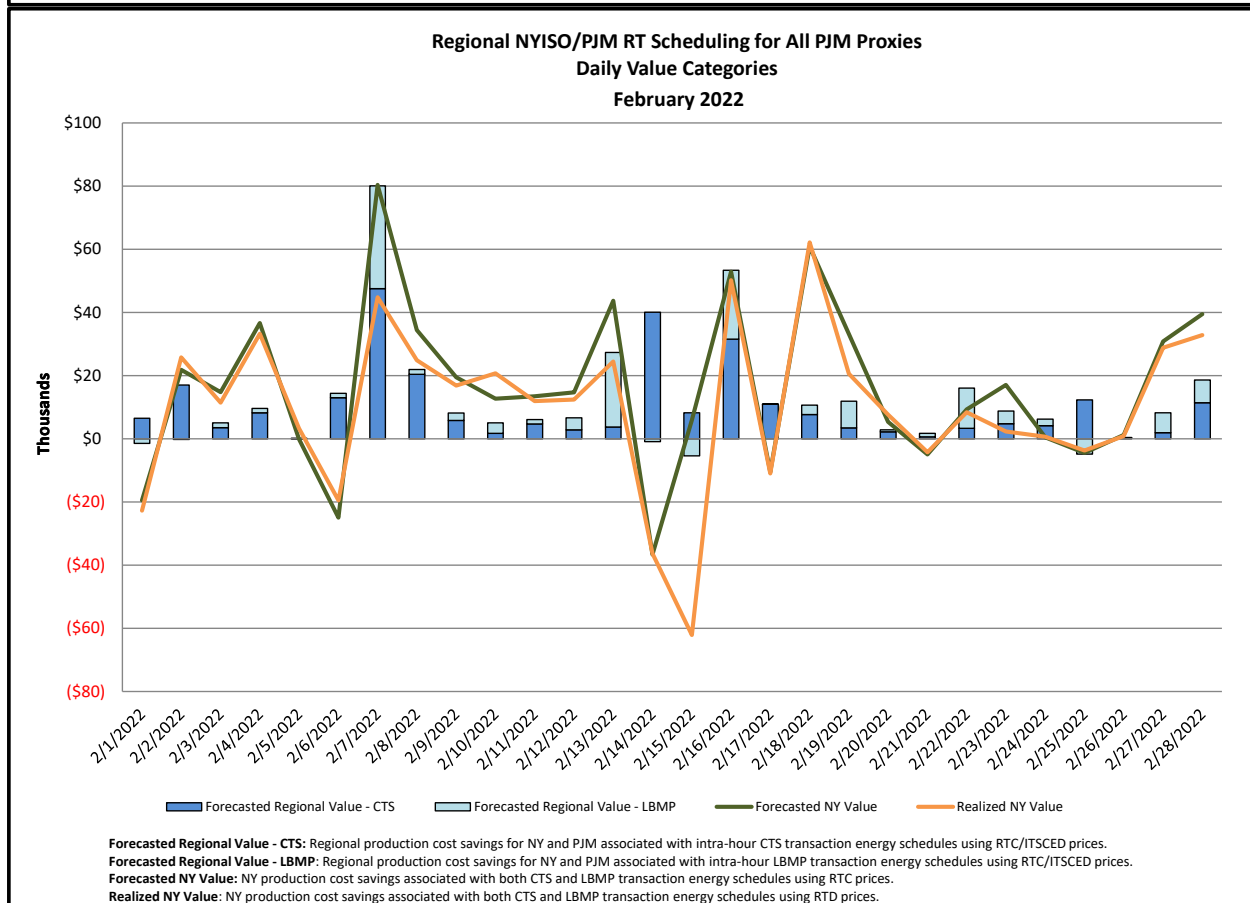
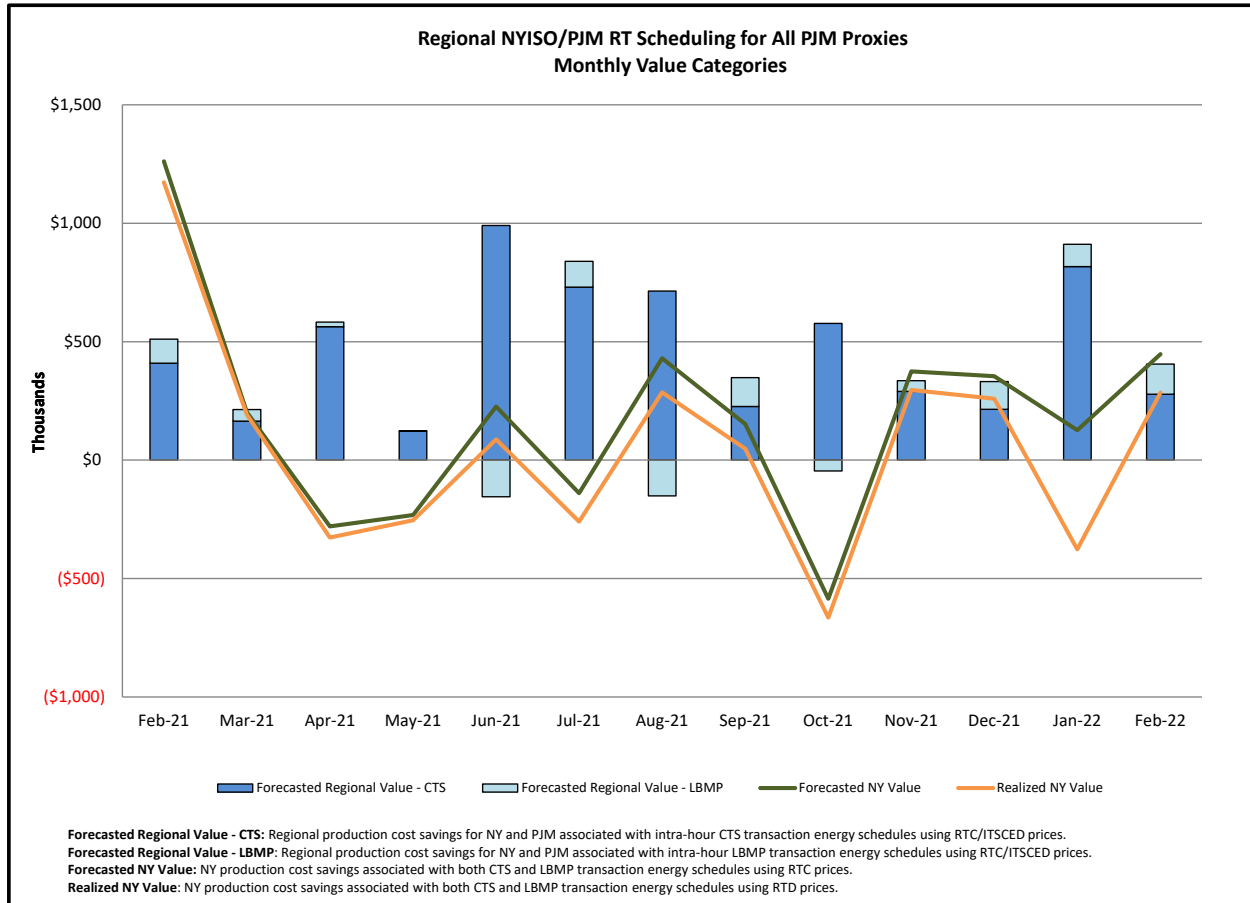


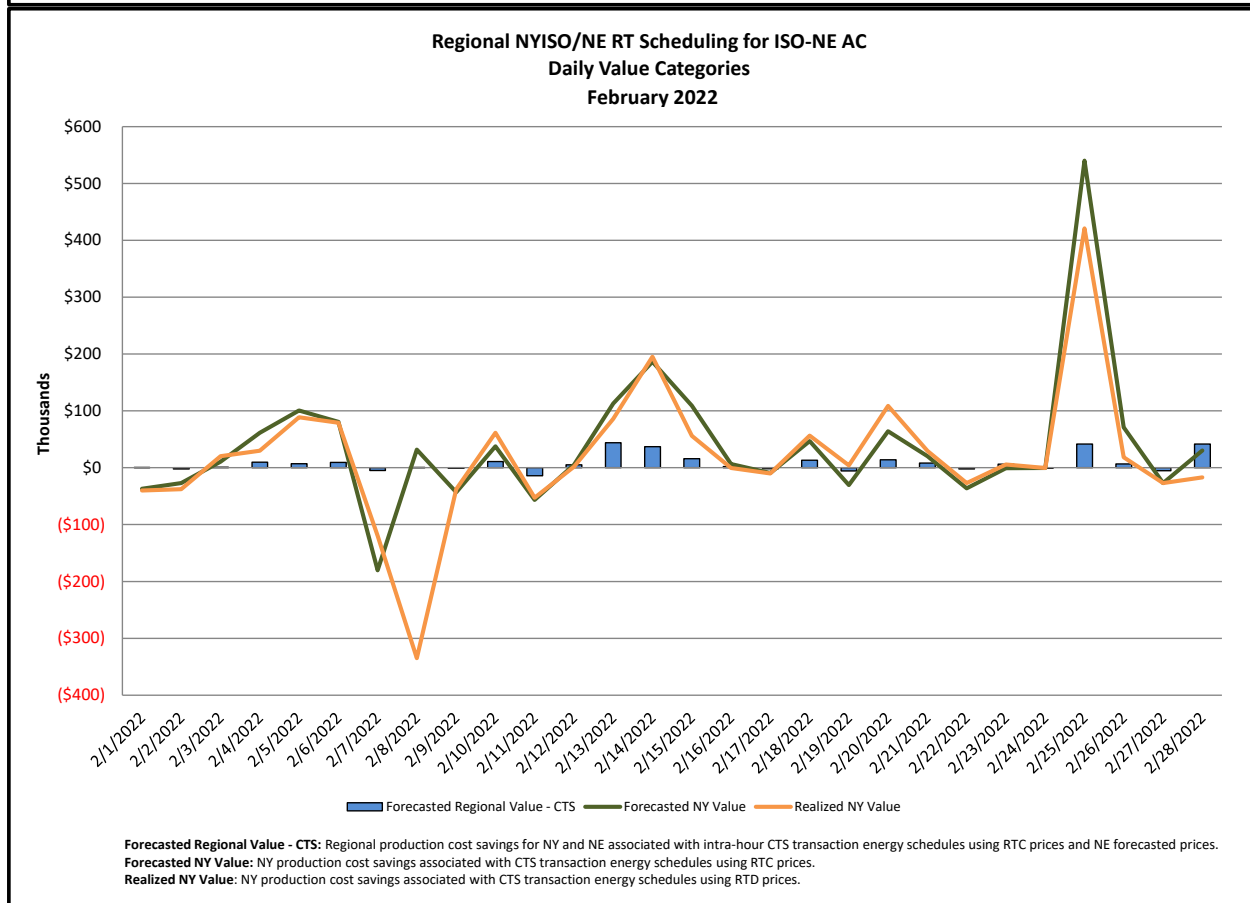
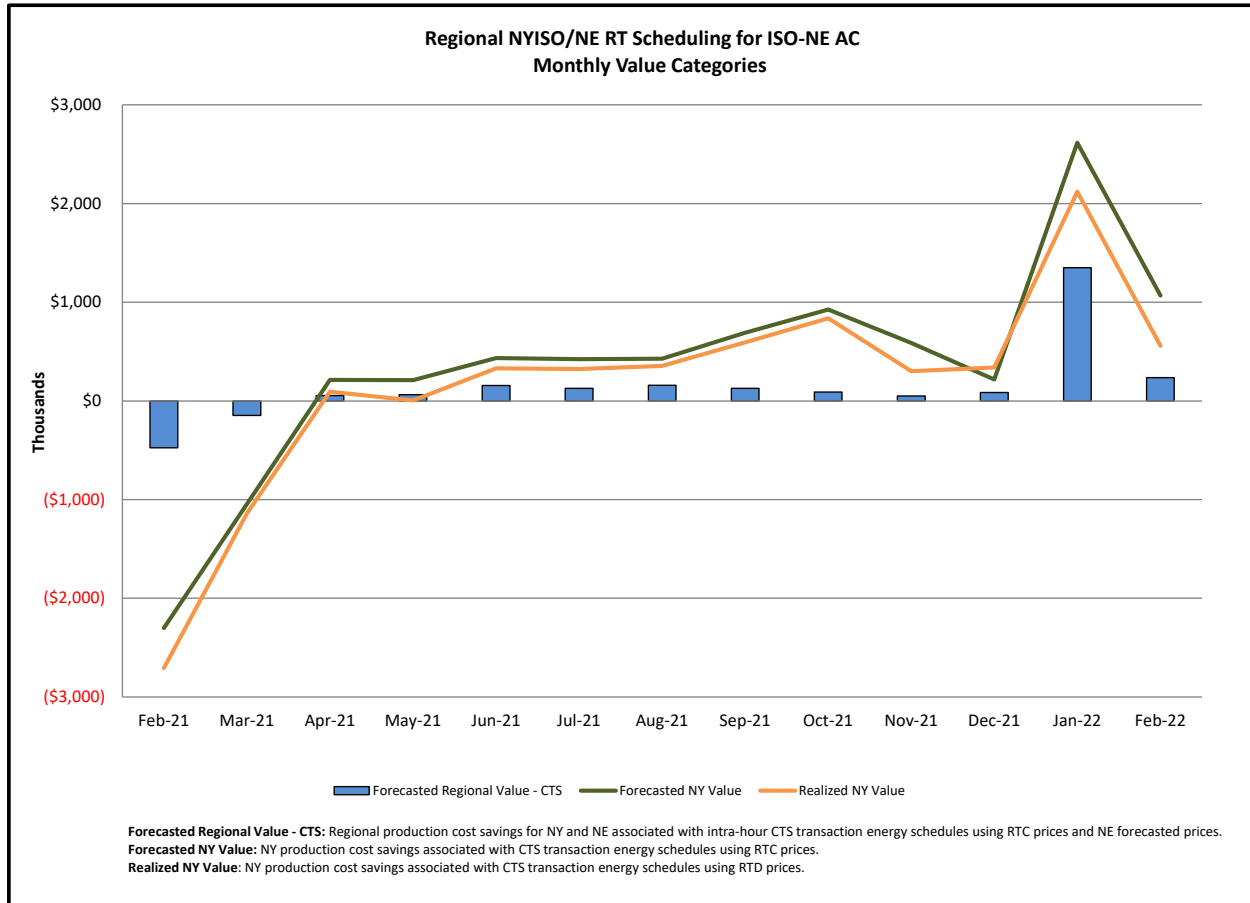


Broader Regional Market Performance Metrics

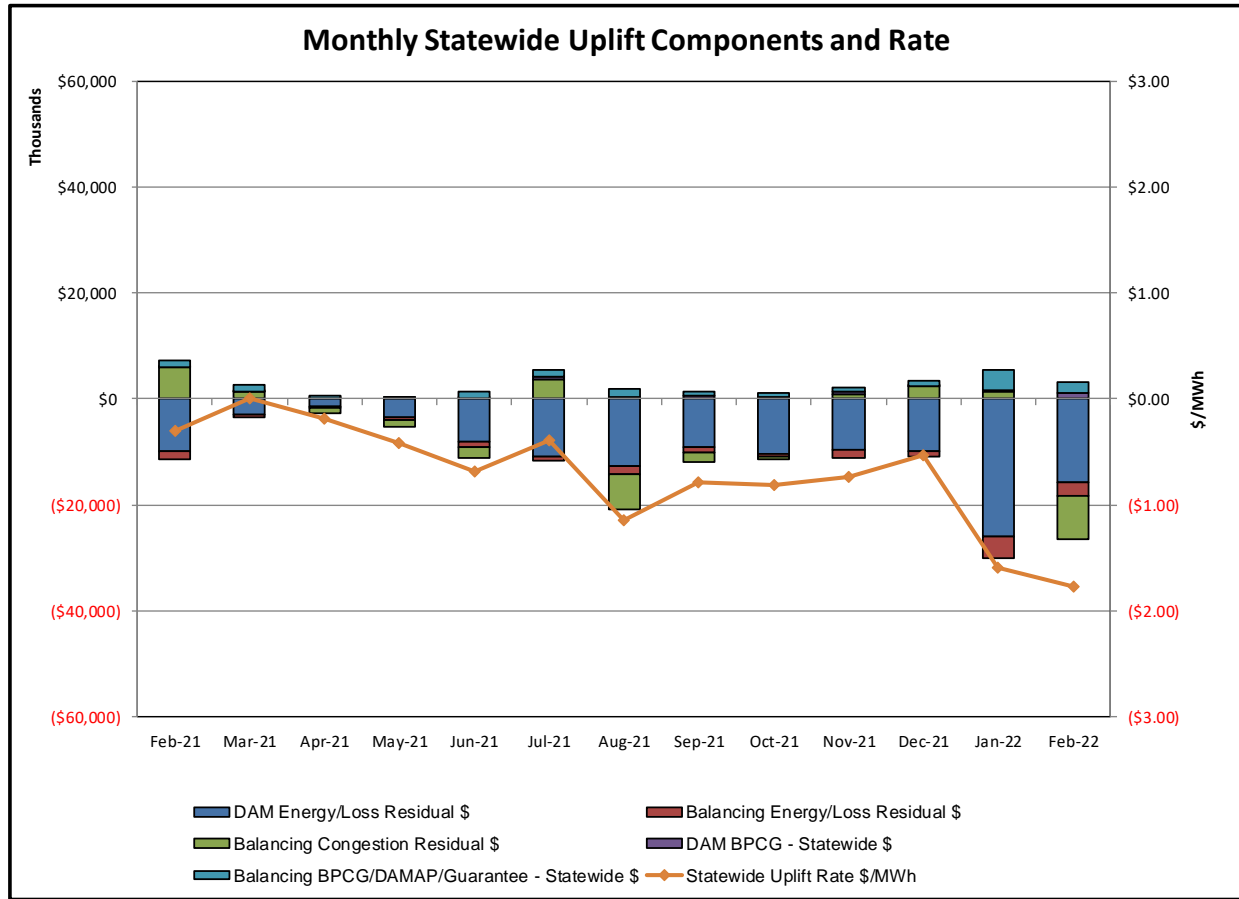


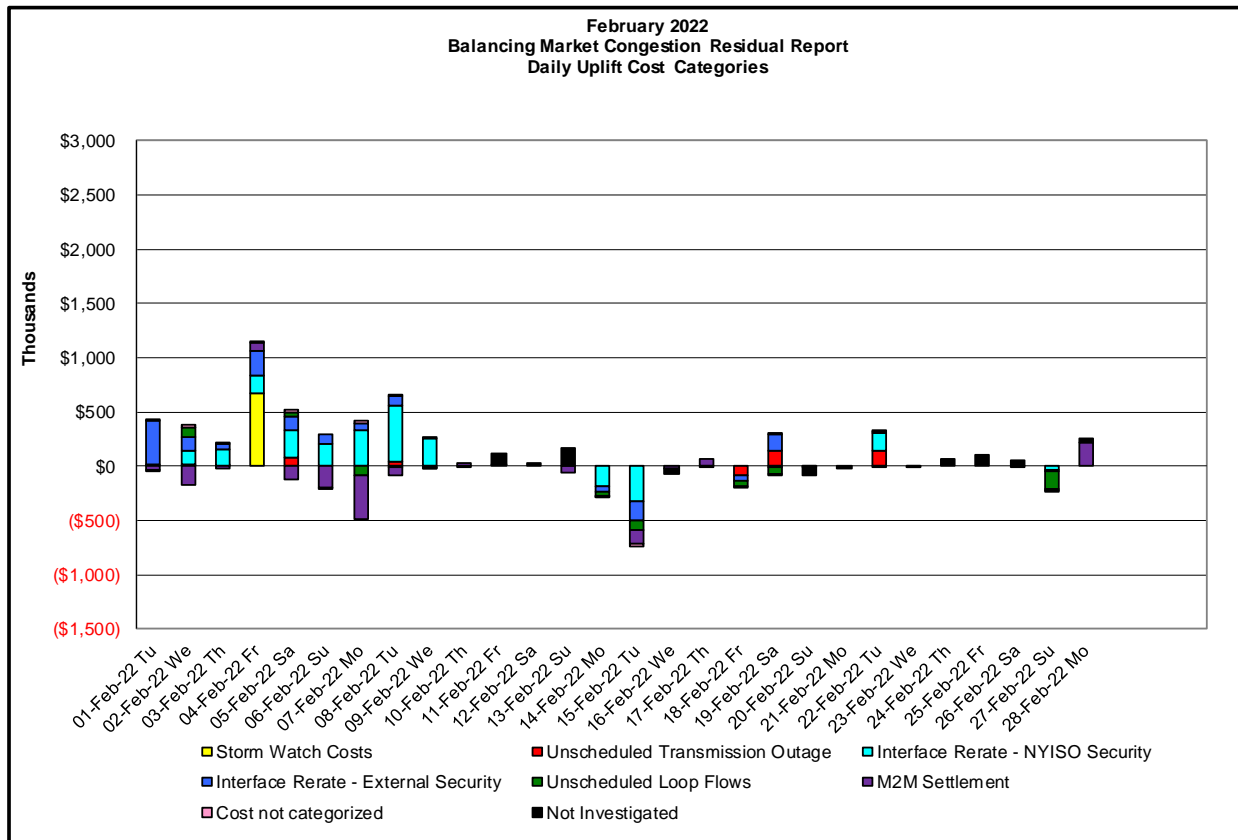
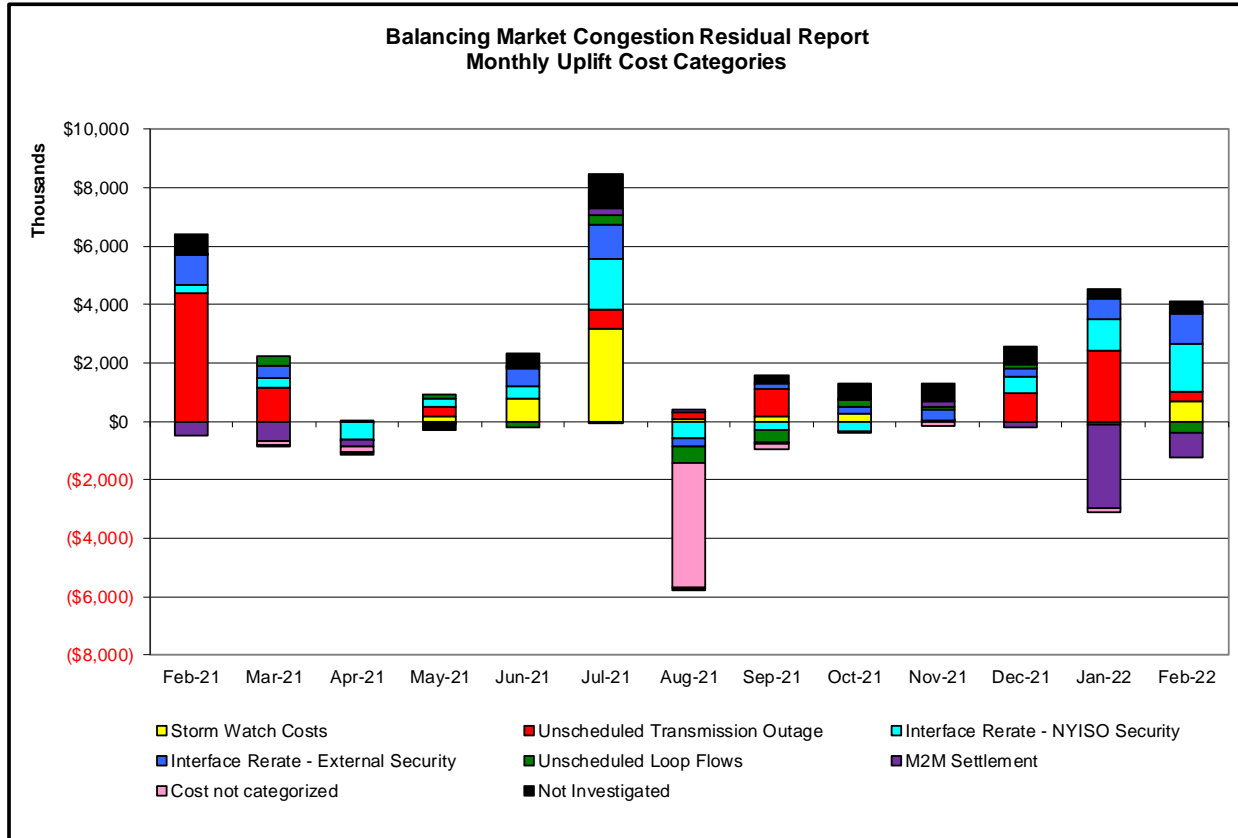
<u>PAR Interconnection Congestion Coordination</u>	
<u>Category</u>	<u>Description</u>
NY	Represents the value NY realizes from Market-to-Market PAR Coordination when experiencing congestion. This is the estimated savings to NY for additional deliveries into NY
RECO	Represents the value of PJM's obligation to deliver 80% of service to RECO load over Ramapo 5018. This is the estimated reduction in NYCA congestion due to the PJM delivery of RECO over Ramapo 5018.
M2M PAR Settlement	Market-to-Market PAR Coordination settlement on coordinated flowgates. Through April 2017 this value was included in the NY and RECO categories. The positive sign convention indicates settlement to NY while the negative indicates settlement to PJM.





Market Performance Metrics





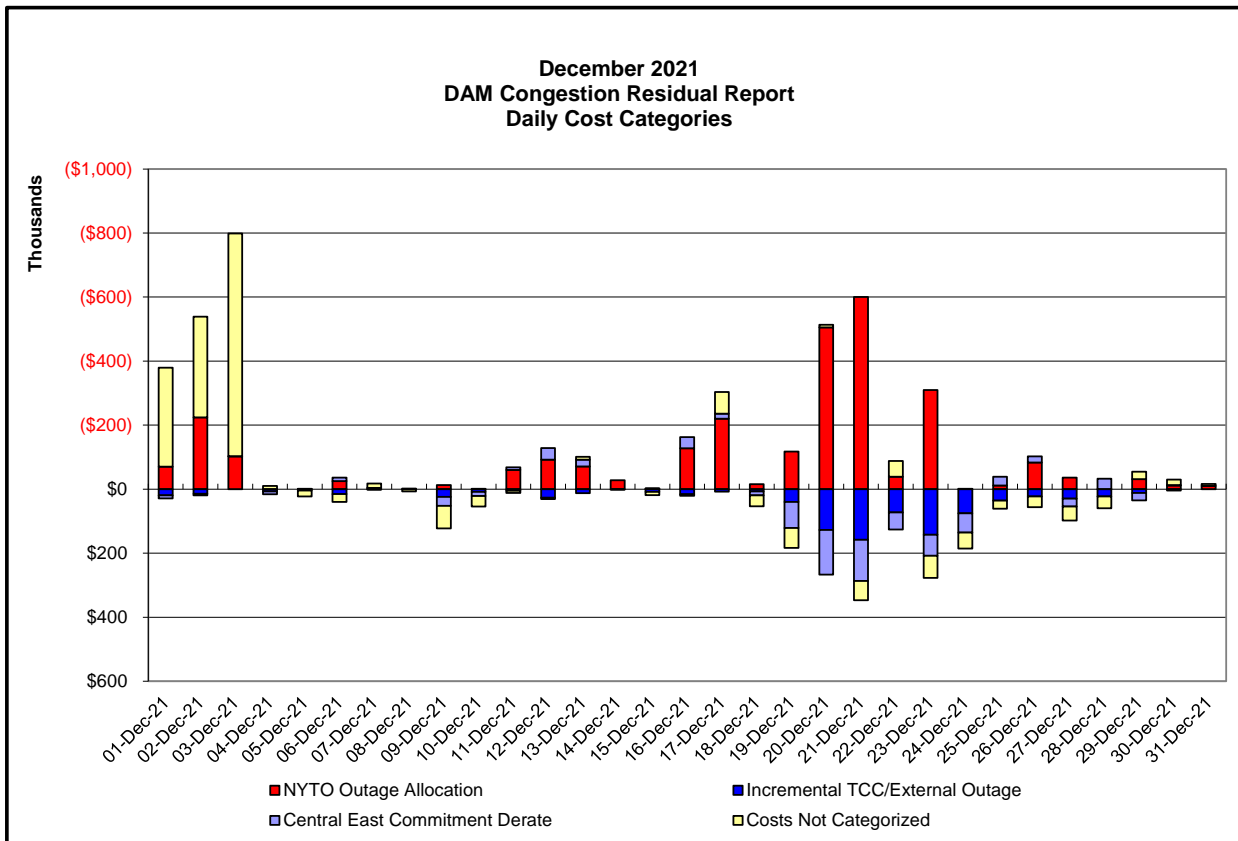
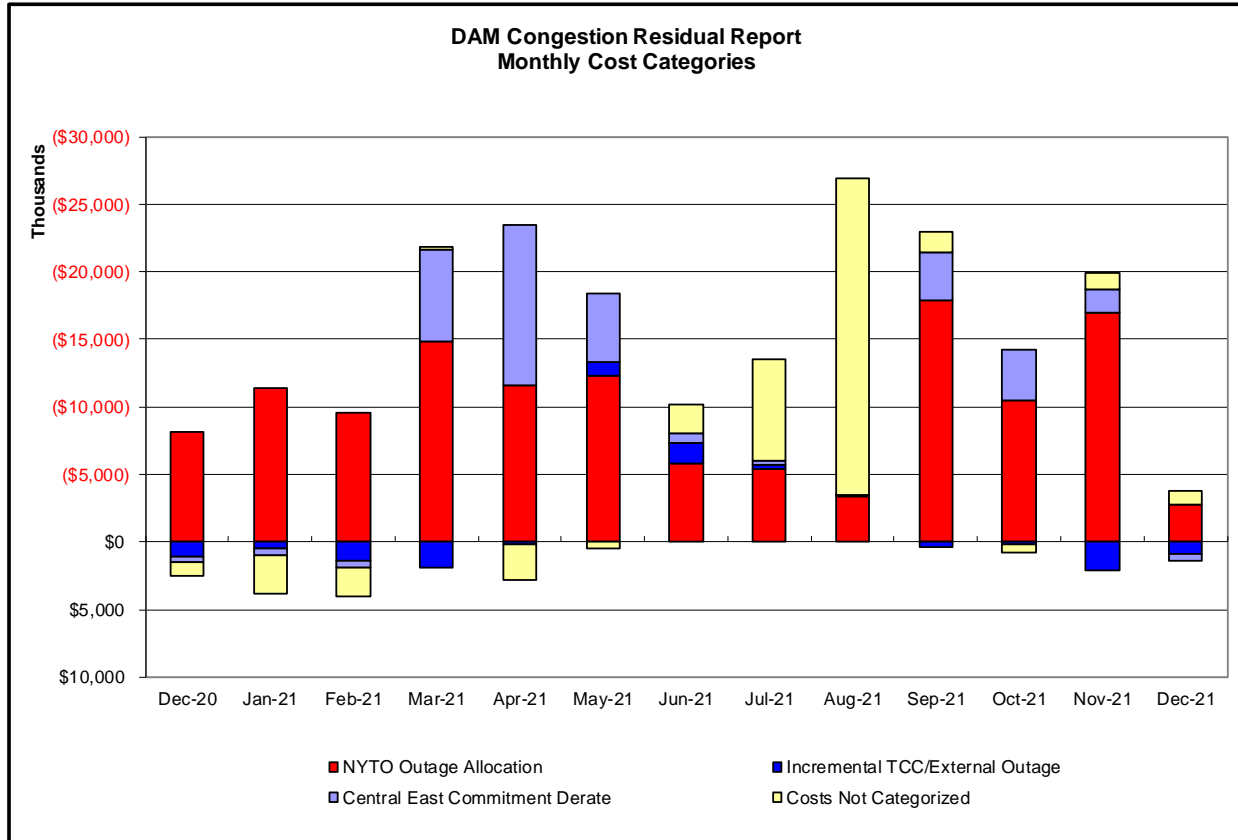
Day's investigated in February: 1,2,3,4,5,6,7,8,9,14,15,18,19,22,27		
Event	Description	February Dates
	Thunder Storm Alert, Buchanan North 345/138kV (Bank TA5)	4
	Thunder Storm Alert, Rock Tavern - Roseton 345kV (#311)	4
	Early return-to-service Niagara-Dysinger 345kV (#ND1)	18
	Extended outage Hopatcon-Ramapo 500kV (#5018)	22
	Extended outage of Moses-Massena 230kV (#MMS1 & #MMS2)	8
	Extended outage Scriba-Volney 345kV (#20)	2,3
	Forced outage Alps-Berkshire 345kV (#393), Berkshire-Northfield 345kV (#312)	19
	Forced outage FoxHills-Greenwood 138kV (#29231)	5
	Derate Canandga-StonyRdg 230kV (#68)	22
	Derate Central East	1-8
	Derate Edic 345/230kV (#Bk2) for BUS:NSCTLD#77 14&2&93&BK2&C1&3	4
	Derate Edic 345/230kV (#Bk2) I/o EDIC 345_115_BK3	4
	Derate Farragut-Gowanus 345kV (#41)	7
	Derate Farragut-Gowanus 345kV (#42)	6
	Derate Goethals-Gowanus 345kV (#25) I/o SCB:GOETH(8):G23M&26&R26	5,9
	Derate Goethals-Gowanus 345kV (#26) I/o SCB:GOETH(3):25&22&R25	5
	Derate Gowanus-Goethals 345kV (#25)	8
	Derate Gowanus-Goethals 345kV (#26)	8,9
	Derate Mortimer-Sweden 115kV (#113) I/o Niagara-STA 255 345kV (#NH2)	1,2,6
	Derate N.SctInd 345/115kV (#Bk1) I/o BUS:NSCTLD#77 14&2&93&BK2&C1&3	3
	Derate N.Troy-Sycaway 115kV (#16) I/o Berkshire-Alps 345kV (#393)	3
	Derate Rocktavern-Roseton 345kV (#311) I/o TWR Y88&Y94&TA5	1
	Derate Scriba-Volney 345kV (#21) I/o \$SCB EDIC R10 W/ B-BUS O/S	2
	Derate UPNY-CONED	22
	NYCA DNI Ramp Limit	4,6,8,14,15,19
	Uprate Central East	1,2,7,9,14,15,19,27
	Uprate East 179th ST-Hellgate 138kV (#15055)	14,15
	Uprate Gowanus-Goethals 345kV (#25)	7,15
	Uprate Gowanus-Goethals 345kV (#26)	7,15
	Uprate Harsnrad-Hinman 115kV (#908) I/o \$SCB NIAGARA 3122 W/ND1 OUT	14
	HQ_CEDARS - NY Scheduling Limit	1,5,8,15
	HQ_CHAT DNI Ramp Limit	1,4,6,14
	HQ_Chat-NY Scheduling Limit	15
	IESO_AC-NY Scheduling Limit	1,5,7
	NE_AC Active DNI Ramp Limit	2,4,5,8,14,15,18,19,27
	NE_AC-NY Scheduling Limit	1,3,6,8,9,15,19
	NE_NNC1385 Scheduling Limit	9,27
	PJM_AC - NY Scheduling Limit	1,2,4,6,7,15,22
	PJM_AC Active DNI Ramp Limit	2,7
	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East	1,2,5,7,9,14,15,19,22,27
	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; West	1,2,5,7-9,14,15,18,19,27

Real-Time Balancing Market Congestion Residual (Uplift Cost) Categories

<u>Category</u>	<u>Cost Assignment</u>	<u>Events Types</u>	<u>Event Examples</u>
Storm Watch	Zone J	Thunderstorm Alert (TSA)	TSA Activations
Transmission Outage Mismatch	Market-wide	Changes in DAM to RTM transfers related to transmission outage mismatch	Forced Line Outage, Unit AVR Outages Early Line Return from Outage
Interface/Facility Rerate - NYISO Security	Market-wide	Changes in DAM to RTM transfers not related to transmission outage	Interface/Facility Rerates due to RTM voltages
Interface Rerate - External Security	Market-wide	Changes in DAM to RTM transfers related to External Control Area Security Events	TLR Events, External Transaction Curtailments
Unscheduled Loop Flows	Market-wide	Changes in DAM to RTM unscheduled loop flows impacting NYISO Interface transmission constraints	DAM to RTM Lake Erie Loop Flows exceeding +/- 125 MW
M2M Settlement	Market-wide	Settlement result inclusive of coordinated redispatch and Ramapo flowgates	

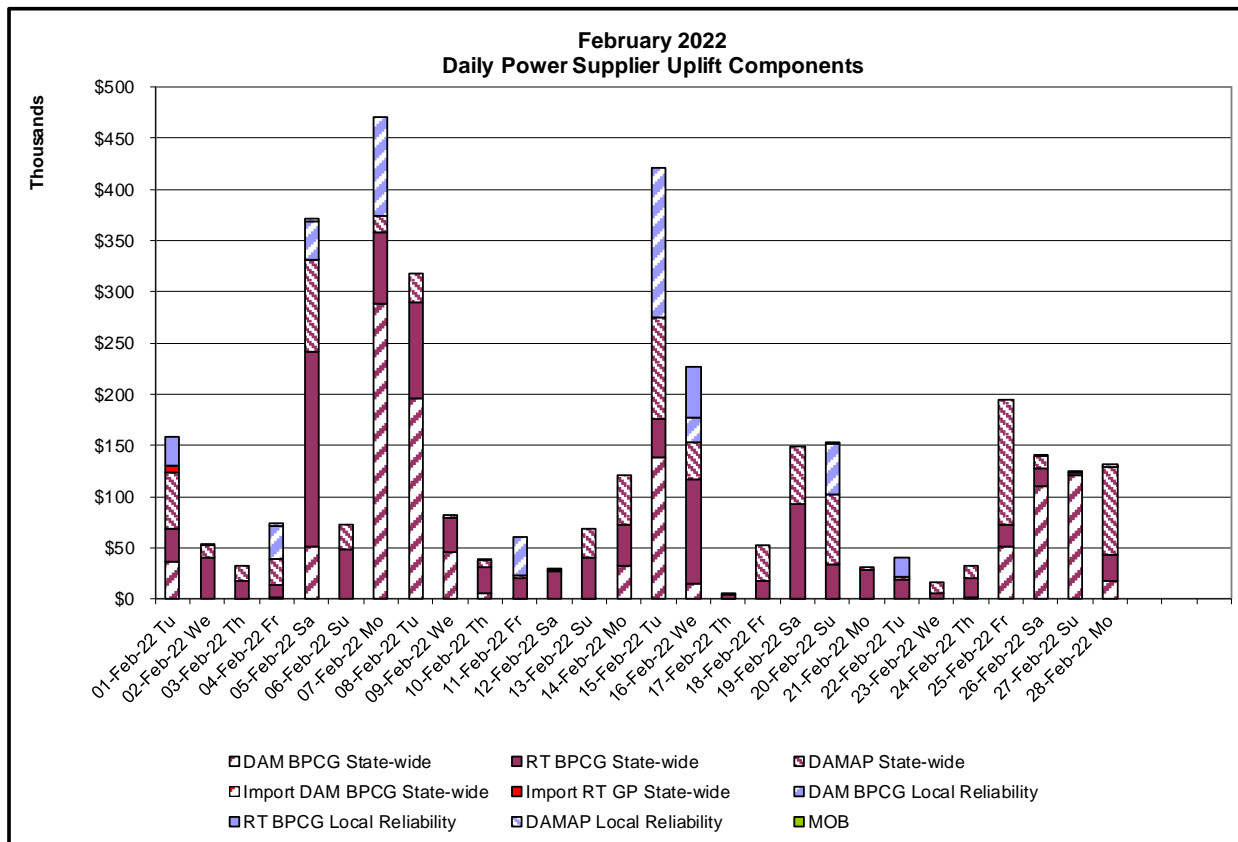
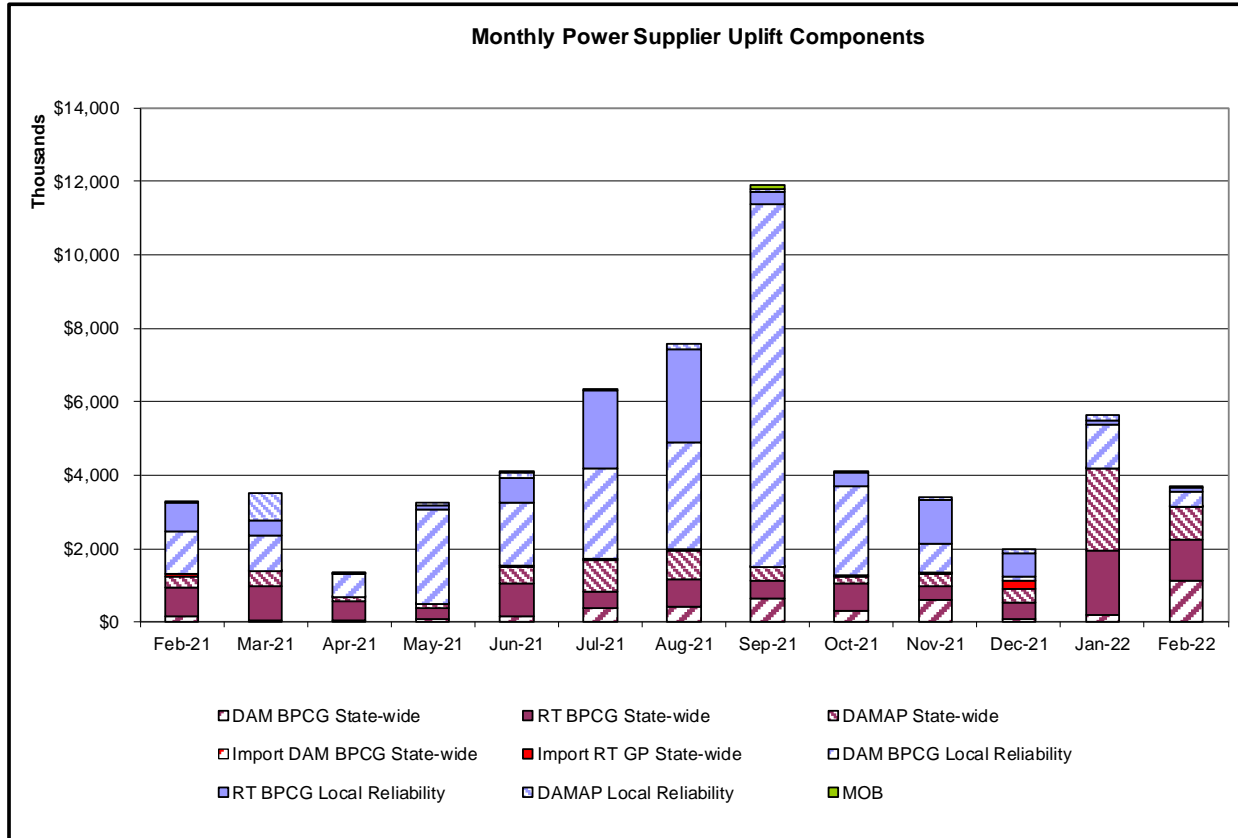
Monthly Balancing Market Congestion Report Assumptions/Notes

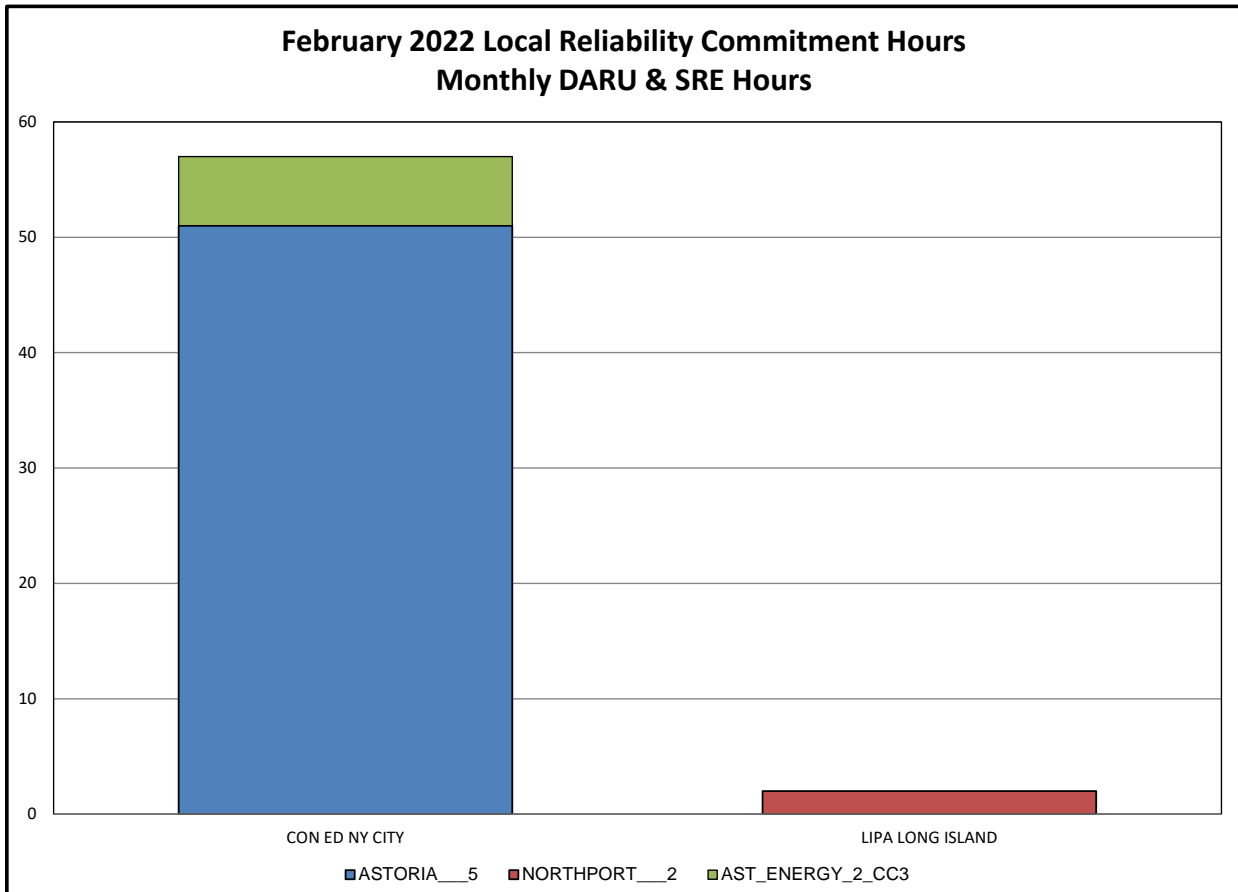
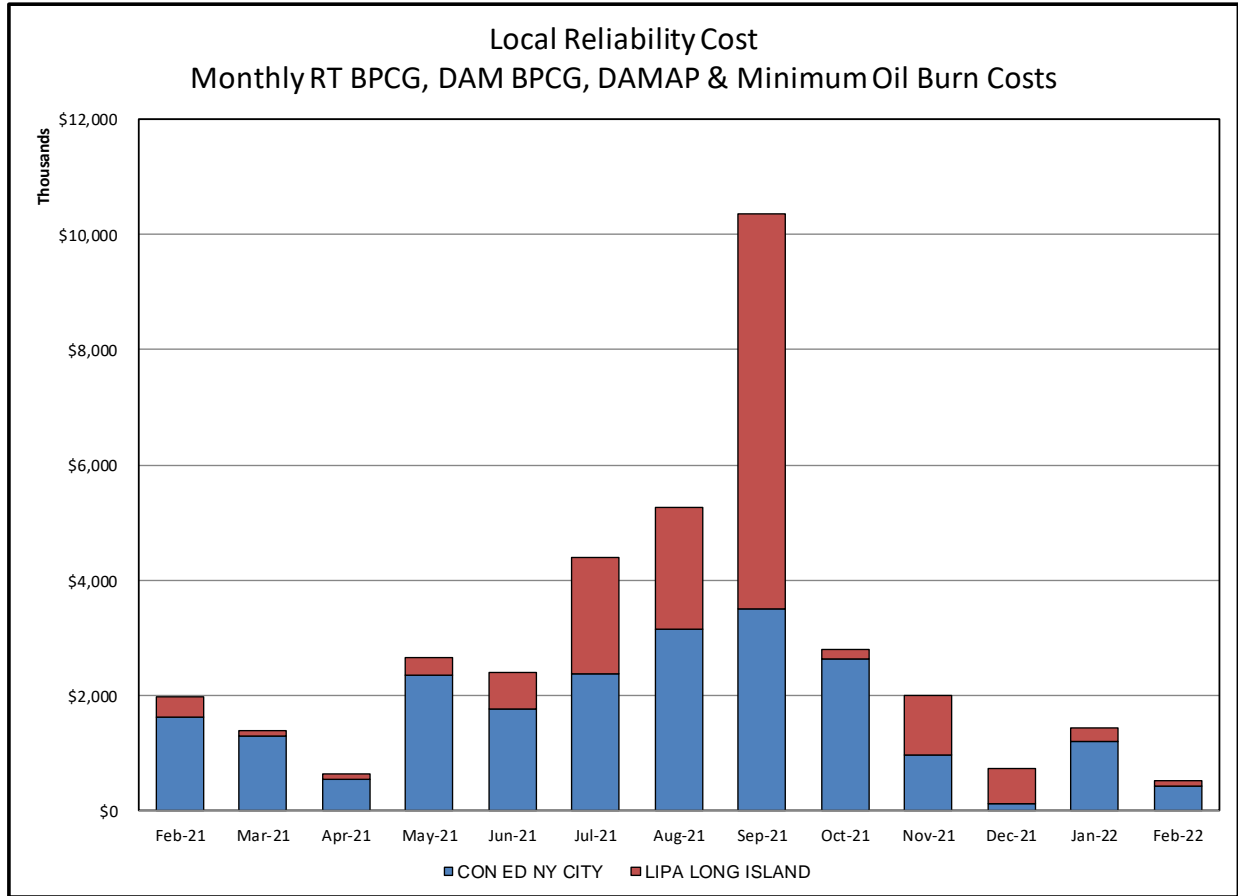
- 1) Storm Watch Costs are identified as daily total uplift costs
- 2) Days with a value of BMCR less M2M Settlement of \$100K/HR, shortfall of \$200K/Day or more, or surplus of \$100K/Day or more are investigated.
- 3) Uplift costs associated with multiple event types are apportioned equally by hour

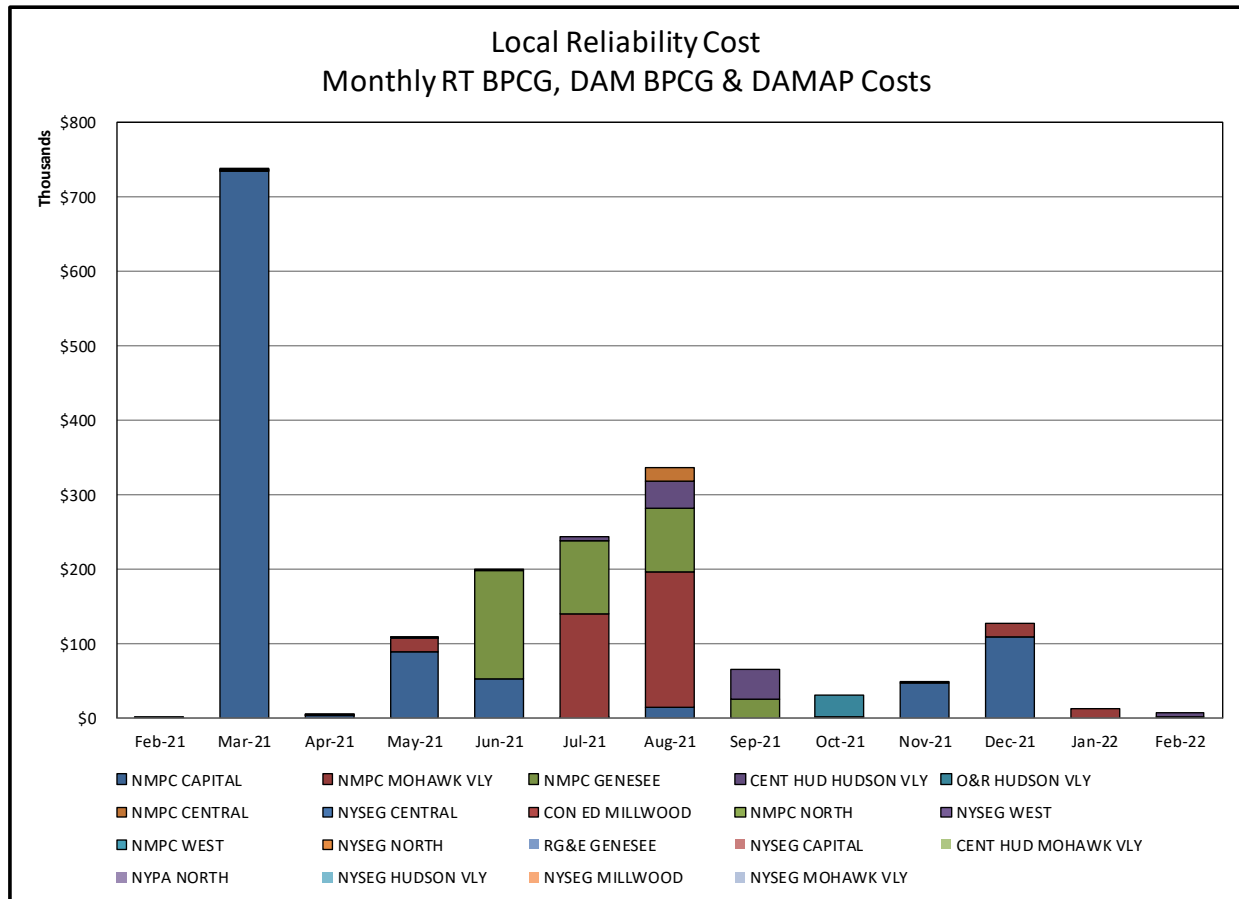


Day-Ahead Market Congestion Residual Categories

<u>Category</u>	<u>Cost Assignment</u>	<u>Events Types</u>	<u>Event Examples</u>
NYTO Outage Allocation	Responsible TO	Direct allocation to NYTO's responsible for transmission equipment status change.	DAM scheduled outage for equipment modeled in-service 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.	

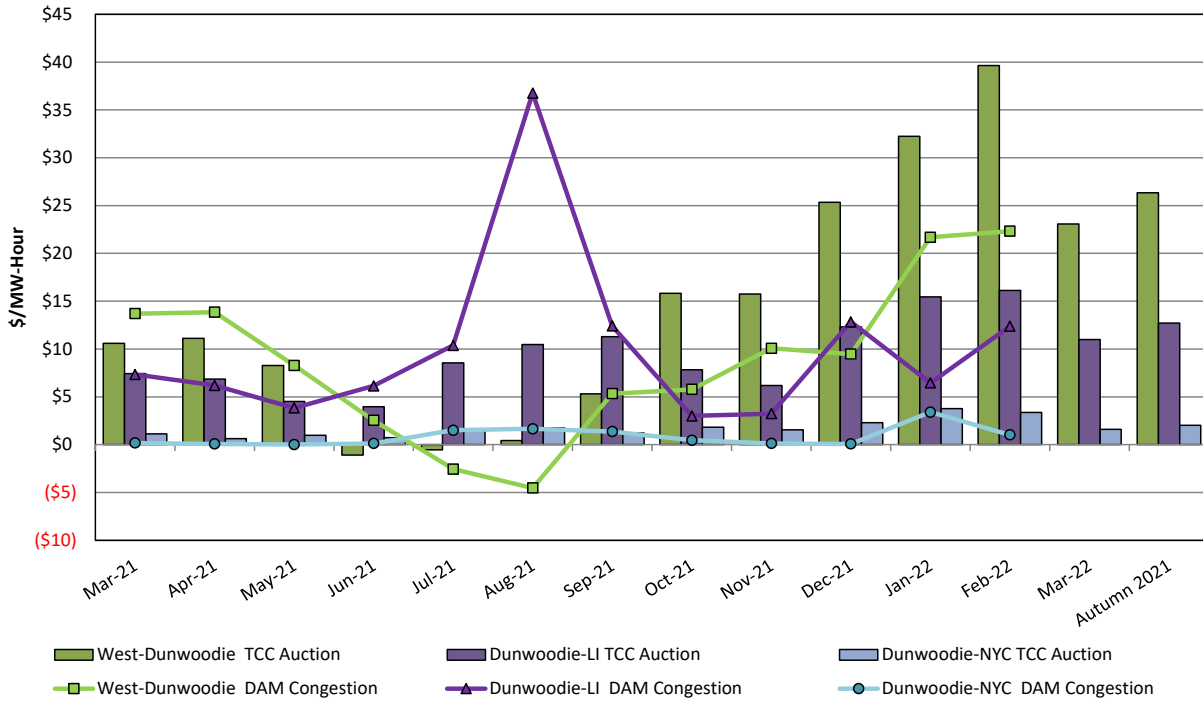






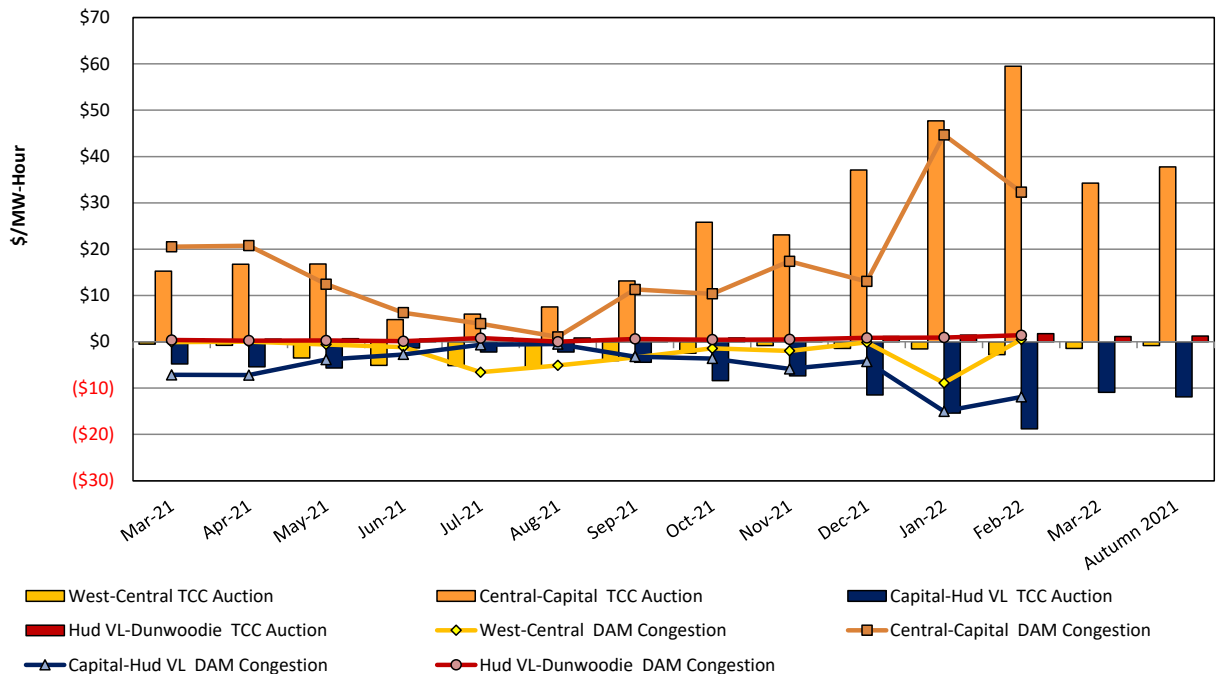
TCC & Day Ahead Market Selected Internal Path Congestion

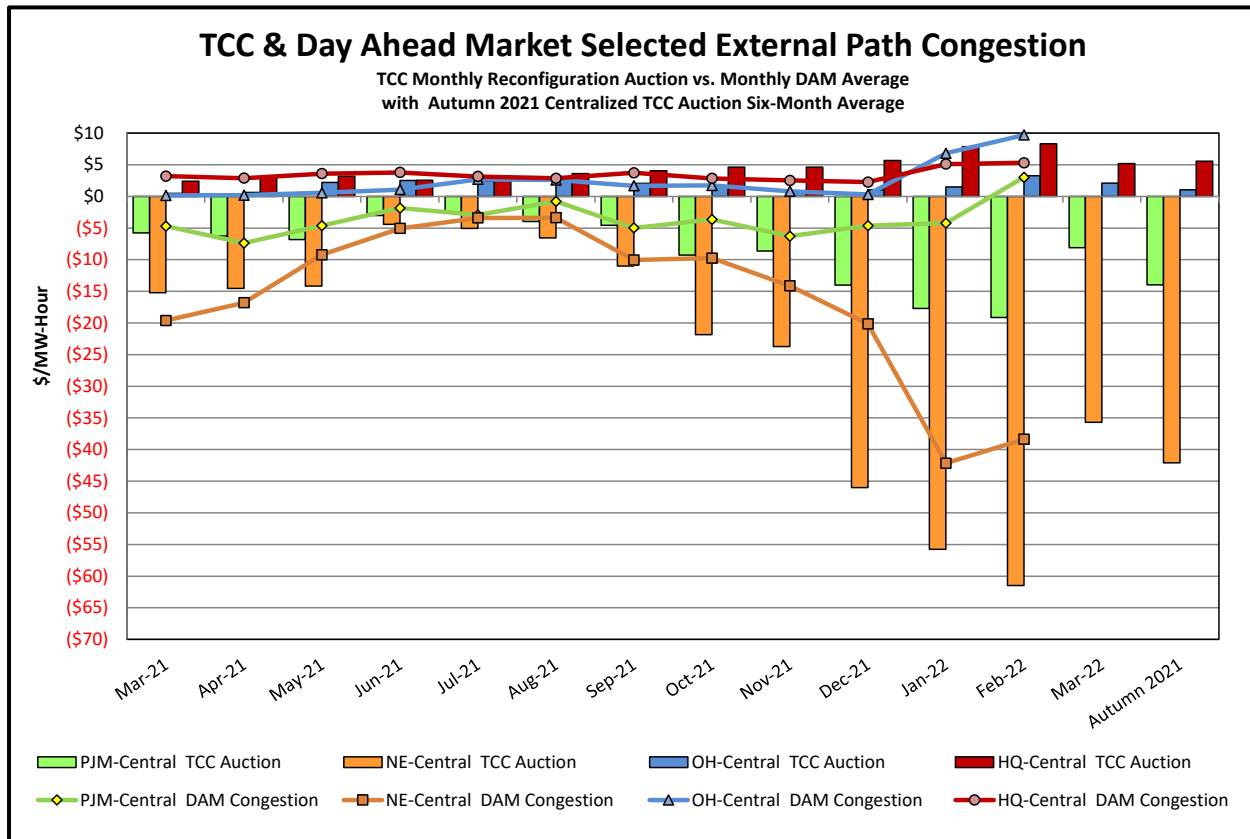
TCC Monthly Reconfiguration Auction vs. Monthly DAM Average
with Autumn 2021 Centralized TCC Auction Six-Month Average

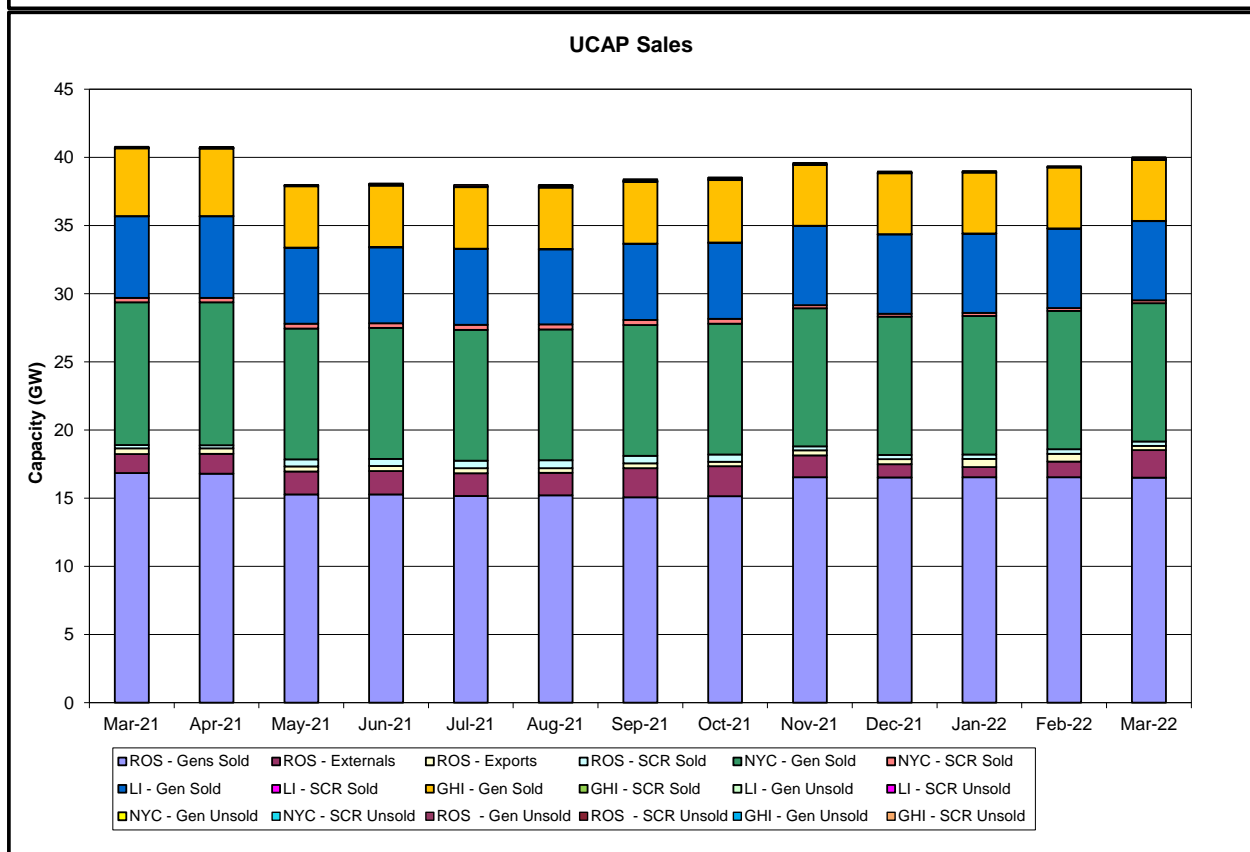
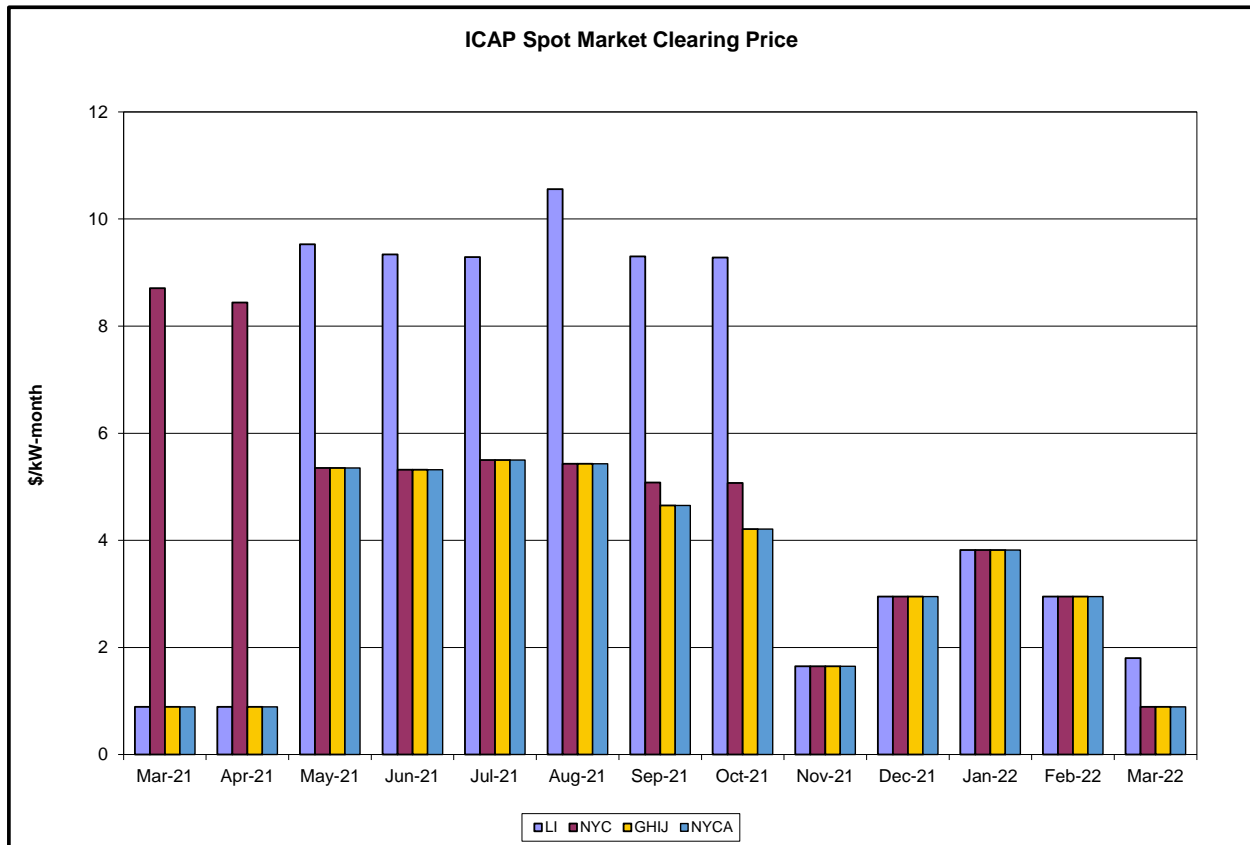


TCC & Day Ahead Market West to Dunwoodie Path Congestion

TCC Monthly Reconfiguration Auction vs. Monthly DAM Average
with Autumn 2021 Centralized TCC Auction Six-Month Average





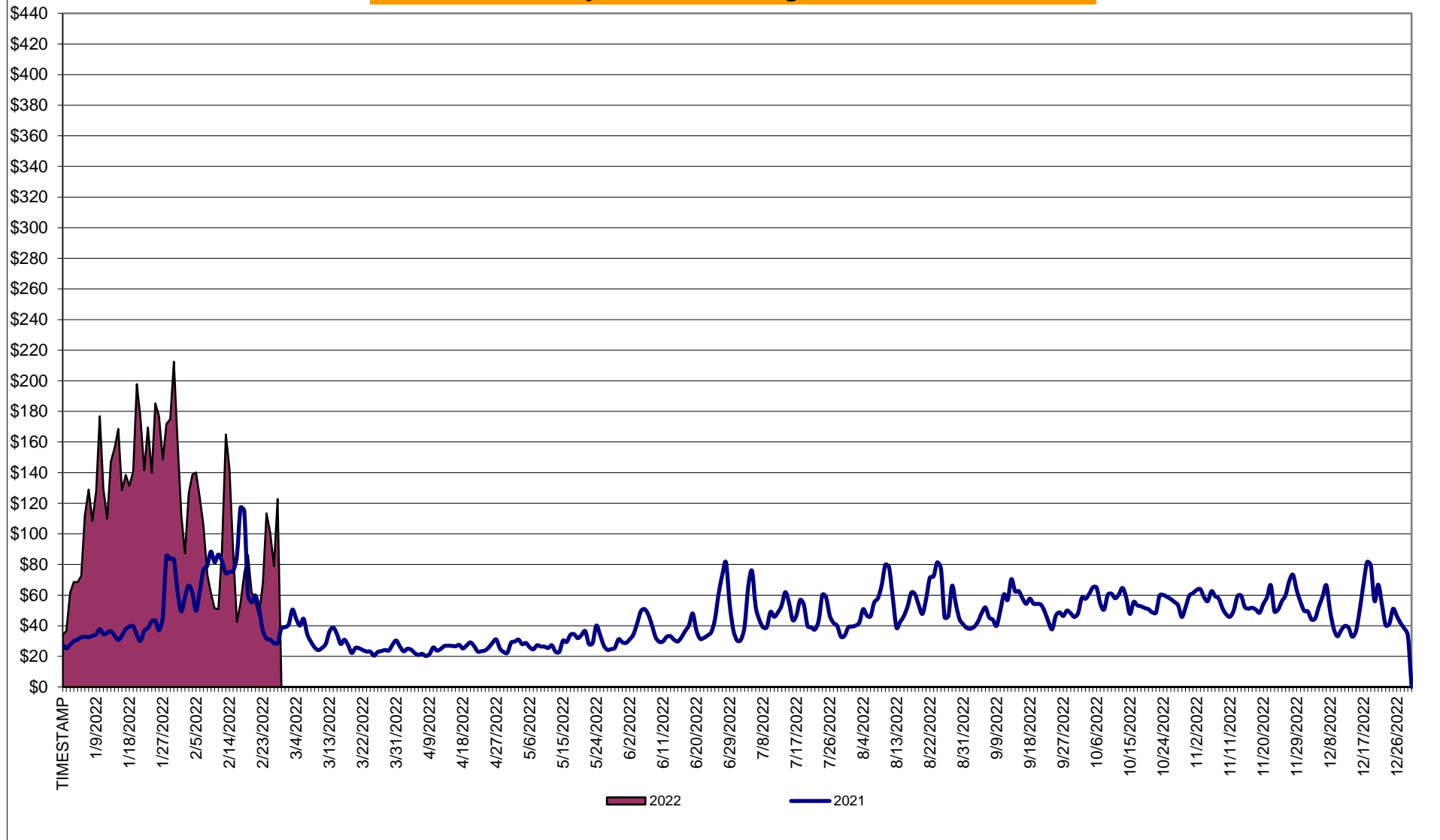


Market Performance Highlights

February 2022

- LBMP for February is \$94.06/MWh; lower than \$134.79/MWh in January 2022 and higher than \$63.70/MWh in February 2021.
 - Day Ahead Load Weighted LBMPs and Real Time Load Weighted LBMPs are lower compared to January.
- February 2022 average year-to-date monthly cost of \$118.36/MWh is a 123% increase from \$52.99/MWh in February 2021.
- Average daily sendout is 429 GWh/day in February; lower than 451 GWh/day in January 2022 and 434 GWh/day in February 2021.
- Natural gas prices are lower and distillate prices are higher compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$6.17/MMBtu, down from \$11.15/MMBtu in January.
 - Natural gas prices are up 18.3% year-over-year.
 - Jet Kerosene Gulf Coast was \$19.79/MMBtu, up from \$17.96/MMBtu in January.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$20.46/MMBtu, up from \$18.53/MMBtu in January.
 - Distillate prices are up 64.5% year-over-year.
- Uplift per MWh is lower compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$1.73)/MWh; lower than (\$1.50)/MWh in January.
 - Local Reliability Share is \$0.04/MWh, lower than \$0.09/MWh in January.
 - Statewide Share is (\$1.77)/MWh, lower than (\$1.59)/MWh in January.
 - TSA \$ per NYC MWh is \$2.98/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than January.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)*
2021 Annual Average \$47.59/MWh
February 2021 YTD Average \$52.99/MWh
February 2022 YTD Average \$118.36/MWh



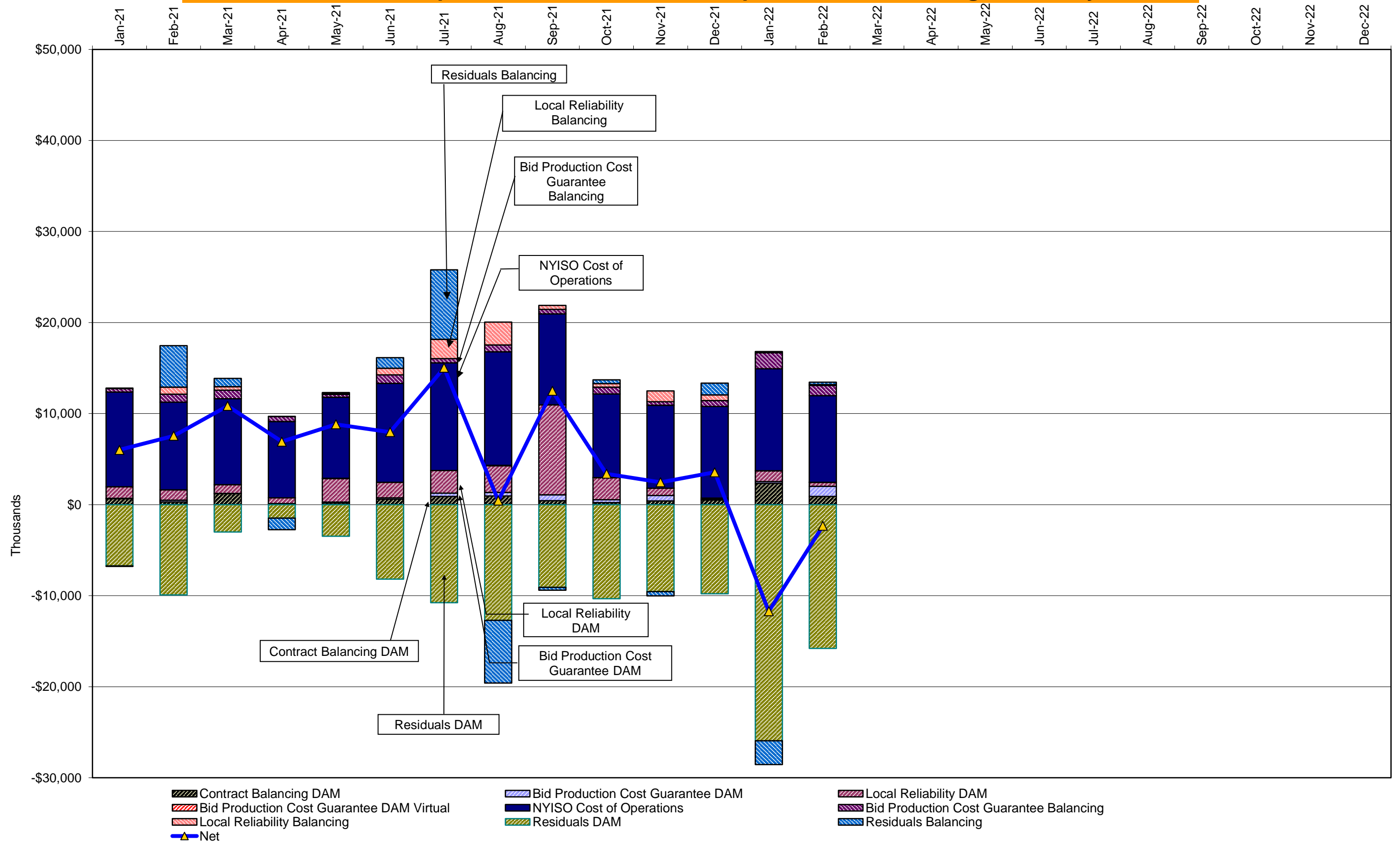
* Excludes ICAP payments.

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

2022	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	134.79	94.06										
NTAC	1.43	0.95										
Reserve	1.26	1.21										
Regulation	0.27	0.19										
NYISO Cost of Operations	0.73	0.72										
FERC Fee Recovery	0.07	0.08										
Uplift	(1.50)	(1.73)										
Uplift: Local Reliability Share	0.09	0.04										
Uplift: Statewide Share	(1.59)	(1.77)										
Voltage Support and Black Start	0.42	0.41										
Avg Monthly Cost	137.41	95.82										
 Avg YTD Cost	137.49	118.36										
 TSA \$ per NYC MWh	0.00	2.98										
 2021	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	37.83	63.70	28.59	22.79	25.72	39.37	45.16	55.48	47.68	52.97	53.92	47.99
NTAC	1.35	1.20	1.26	1.54	2.09	2.05	2.01	1.37	1.23	1.67	2.03	1.40
Reserve	0.49	0.81	0.57	0.56	0.54	0.45	0.44	0.44	0.50	0.75	0.70	0.57
Regulation	0.07	0.13	0.09	0.10	0.08	0.07	0.06	0.05	0.09	0.13	0.15	0.11
NYISO Cost of Operations	0.74	0.74	0.74	0.74	0.76	0.76	0.76	0.76	0.75	0.74	0.75	0.73
FERC Fee Recovery	0.08	0.09	0.09	0.11	0.10	0.08	0.07	0.06	0.08	0.09	0.09	0.08
Uplift	(0.31)	(0.15)	0.11	(0.12)	(0.19)	(0.50)	(0.09)	(0.81)	0.00	(0.59)	(0.58)	(0.48)
Uplift: Local Reliability Share	0.09	0.15	0.11	0.06	0.22	0.17	0.30	0.33	0.78	0.23	0.16	0.05
Uplift: Statewide Share	(0.40)	(0.30)	0.00	(0.18)	(0.41)	(0.68)	(0.39)	(1.14)	(0.78)	(0.81)	(0.74)	(0.53)
Voltage Support and Black Start	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.43	0.44	0.42
Avg Monthly Cost	40.61	66.87	31.81	26.06	29.45	42.65	48.79	57.73	50.70	56.11	57.43	50.76
 Avg YTD Cost	40.69	52.99	46.57	42.41	40.10	40.59	42.05	44.63	45.34	46.35	47.29	47.59
 TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.52	0.90	0.93	0.24	0.56	0.39	0.10	0.00

* Excludes ICAP payments.
Market Mitigation and Analysis
Prepared: 3/8/2022 12:36 PM

NYISO Dollar Flows - Uplift - OATT Schedule 1 components - Data through February 28, 2022



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

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

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

NYISO Markets Transactions

<u>2022</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>Day Ahead Market MWh</u>	14,327,101	12,477,485										
DAM LSE Internal LBMP Energy Sales	57%	56%										
DAM External TC LBMP Energy Sales	7%	8%										
DAM Bilateral - Internal Bilaterals	28%	28%										
DAM Bilateral - Import/Non-LBMP Market Bilaterals	4%	4%										
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%										
DAM Bilateral - Wheel Through Bilaterals	2%	2%										
<u>Balancing Energy Market MWh</u>	942,823	742,449										
Balancing Energy LSE Internal LBMP Energy Sales	88%	83%										
Balancing Energy External TC LBMP Energy Sales	16%	19%										
Balancing Energy Bilateral - Internal Bilaterals	1%	2%										
Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals	0%	0%										
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	4%	9%										
Balancing Energy Bilateral - Wheel Through Bilaterals	-9%	-13%										
<u>Transactions Summary</u>												
LBMP	67%	66%										
Internal Bilaterals	26%	27%										
Import Bilaterals	3%	4%										
Export Bilaterals	2%	2%										
Wheels Through	1%	1%										
<u>Market Share of Total Load</u>												
Day Ahead Market	93.8%	94.4%										
Balancing Energy +	6.2%	5.6%										
Total MWH	15,269,924	13,219,933										
Average Daily Energy Sendout/Month GWh	451	429										

<u>2021</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>Day Ahead Market MWh</u>	14,108,848	13,325,329	12,843,278	11,204,262	11,854,214	14,120,662	15,843,724	16,032,238	12,759,550	11,852,213	11,496,431	13,068,538
DAM LSE Internal LBMP Energy Sales	60%	59%	56%	55%	56%	61%	65%	64%	61%	59%	60%	57%
DAM External TC LBMP Energy Sales	5%	4%	3%	2%	2%	3%	2%	4%	3%	4%	3%	6%
DAM Bilateral - Internal Bilaterals	31%	30%	32%	35%	35%	29%	27%	26%	29%	30%	32%	30%
DAM Bilateral - Import/Non-LBMP Market Bilaterals	1%	4%	4%	5%	4%	4%	3%	3%	4%	4%	3%	3%
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	1%	1%	1%	2%	2%	2%	2%
DAM Bilateral - Wheel Through Bilaterals	2%	2%	3%	2%	2%	2%	2%	2%	2%	2%	1%	2%
<u>Balancing Energy Market MWh</u>	29,179	-308,157	-70,279	30,603	-36,350	247,874	-367,232	454,982	543,392	511,553	639,571	675,223
Balancing Energy LSE Internal LBMP Energy Sales	-215%	-151%	-367%	-456%	-398%	53%	-135%	82%	65%	63%	74%	87%
Balancing Energy External TC LBMP Energy Sales	374%	59%	365%	578%	440%	60%	41%	34%	40%	39%	26%	18%
Balancing Energy Bilateral - Internal Bilaterals	49%	4%	27%	34%	0%	-1%	3%	3%	1%	2%	2%	2%
Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	50%	5%	32%	34%	21%	5%	3%	2%	4%	5%	7%	8%
Balancing Energy Bilateral - Wheel Through Bilaterals	-158%	-17%	-158%	-90%	-163%	-17%	-11%	-21%	-9%	-10%	-8%	-15%
<u>Transactions Summary</u>												
LBMP	65%	62%	59%	57%	58%	65%	66%	69%	66%	64%	65%	65%
Internal Bilaterals	31%	31%	33%	35%	35%	29%	28%	25%	27%	28%	30%	28%
Import Bilaterals	1%	4%	4%	5%	4%	3%	3%	3%	4%	4%	3%	3%
Export Bilaterals	2%	2%	2%	2%	2%	2%	1%	1%	2%	2%	2%	2%
Wheels Through	2%	2%	2%	2%	2%	1%	1%	1%	2%	2%	0%	1%
<u>Market Share of Total Load</u>												
Day Ahead Market	99.8%	102.4%	100.6%	99.7%	100.3%	98.3%	102.4%	97.2%	95.9%	95.9%	94.7%	95.1%
Balancing Energy +	0.2%	-2.4%	-0.6%	0.3%	-0.3%	1.7%	-2.4%	2.8%	4.1%	4.1%	5.3%	4.9%
Total MWH	14,138,027	13,017,172	12,772,999	11,234,865	11,817,864	14,368,536	15,476,492	16,487,220	13,302,943	12,363,765	12,136,001	13,743,761
Average Daily Energy Sendout/Month GWh	427	434	381	354	365	458	483	504	420	373	387	408

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

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

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

Virtual Transactions are not reflected in this chart.

NYISO Markets 2022 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>DAY AHEAD LBMP</u>												
Price *	\$124.39	\$85.98										
Standard Deviation	\$51.94	\$39.56										
Load Weighted Price **	\$128.16	\$88.17										
<u>RTC LBMP</u>												
Price *	\$127.16	\$85.48										
Standard Deviation	\$77.62	\$55.20										
Load Weighted Price **	\$130.45	\$88.33										
<u>REAL TIME LBMP</u>												
Price *	\$130.43	\$83.85										
Standard Deviation	\$93.35	\$57.99										
Load Weighted Price **	\$133.98	\$86.99										
Average Daily Energy Sendout/Month GWh	451	429										

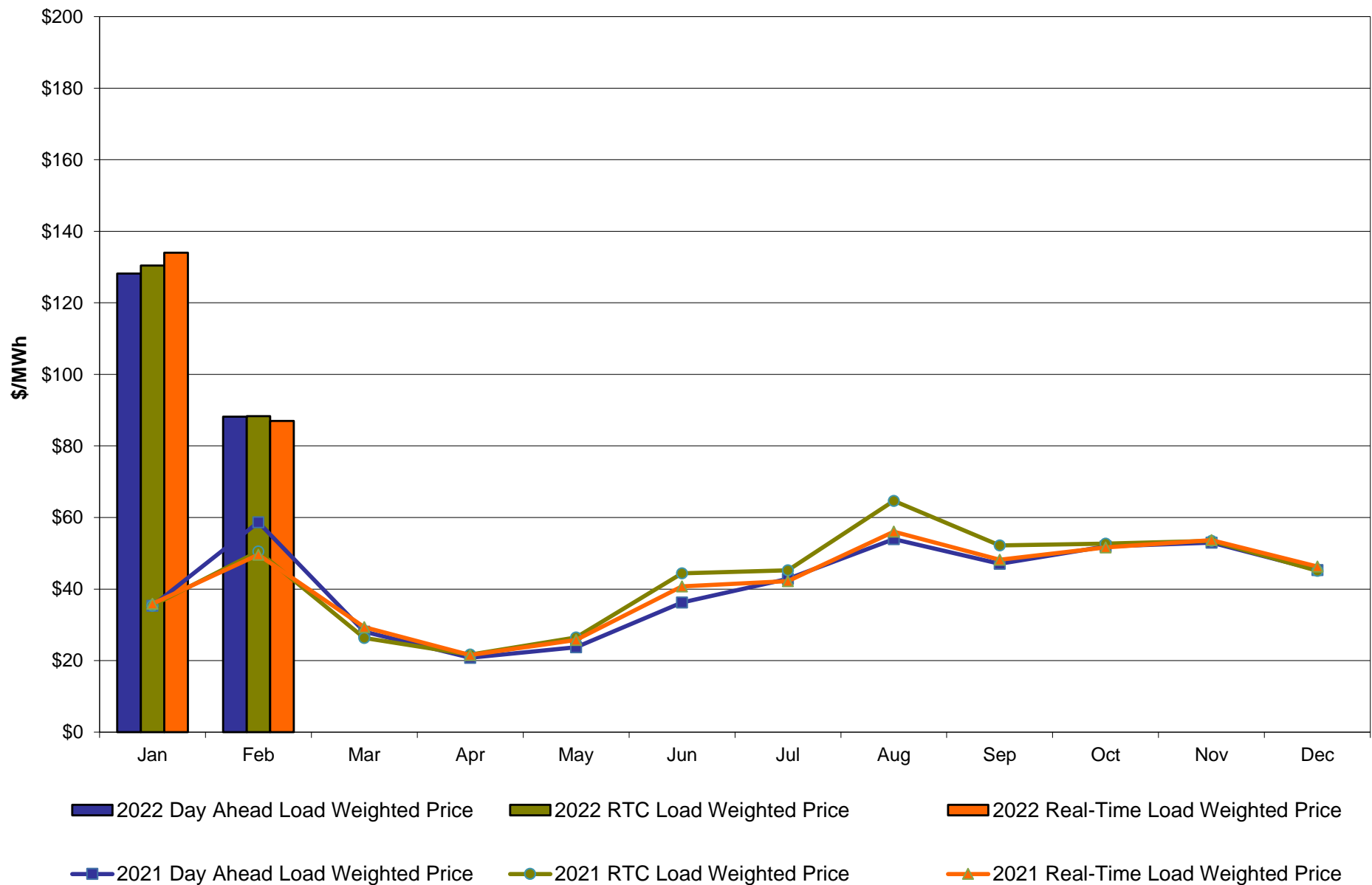
NYISO Markets 2021 Energy Statistics

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

* Average zonal load weighted prices.

** Average zonal load weighted prices, load weighted in each hour.

NYISO Monthly Average Internal LBMPs 2021 - 2022

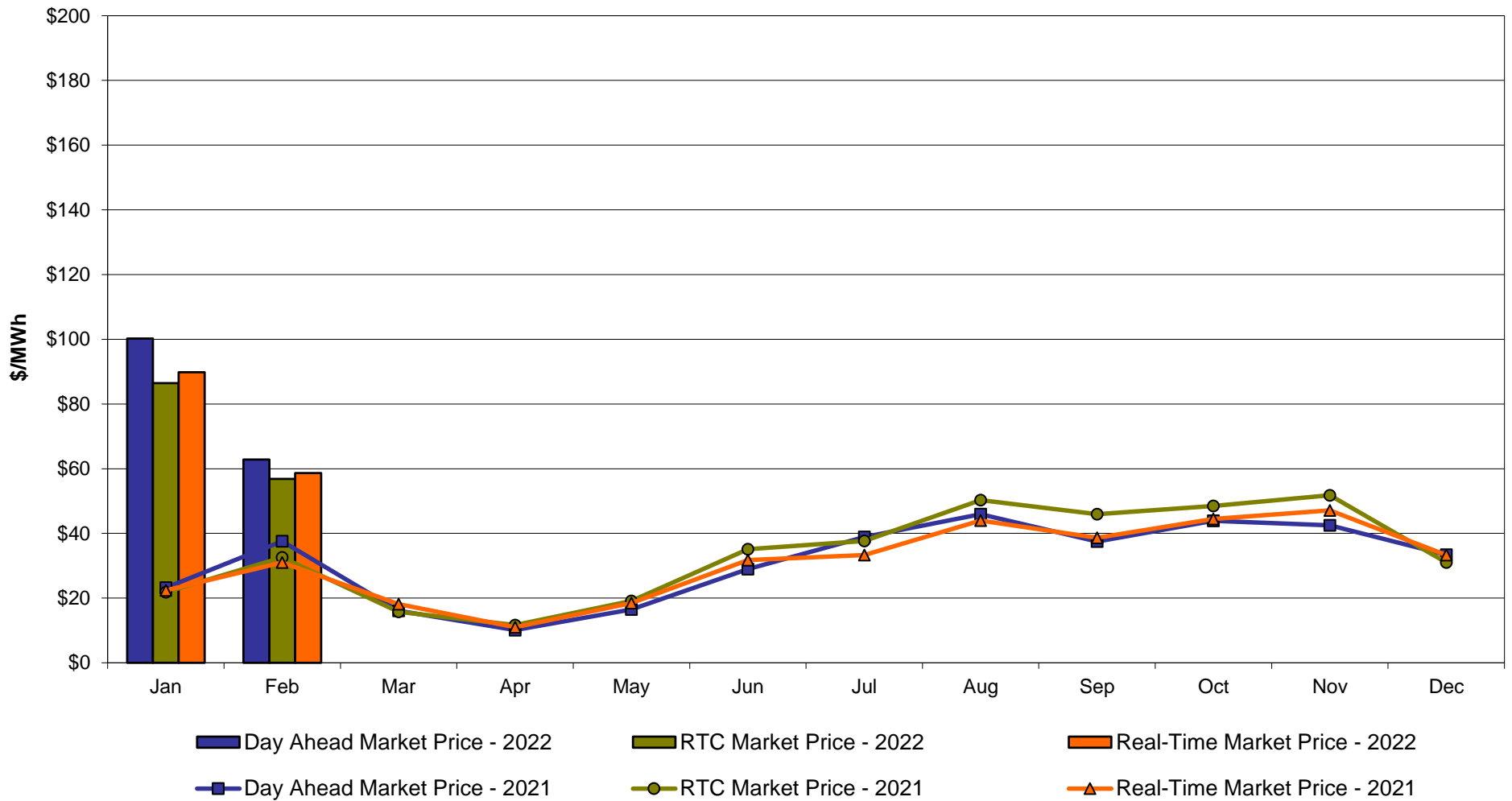


February 2022 Zonal LBMP Statistics for NYISO (\$/MWh)

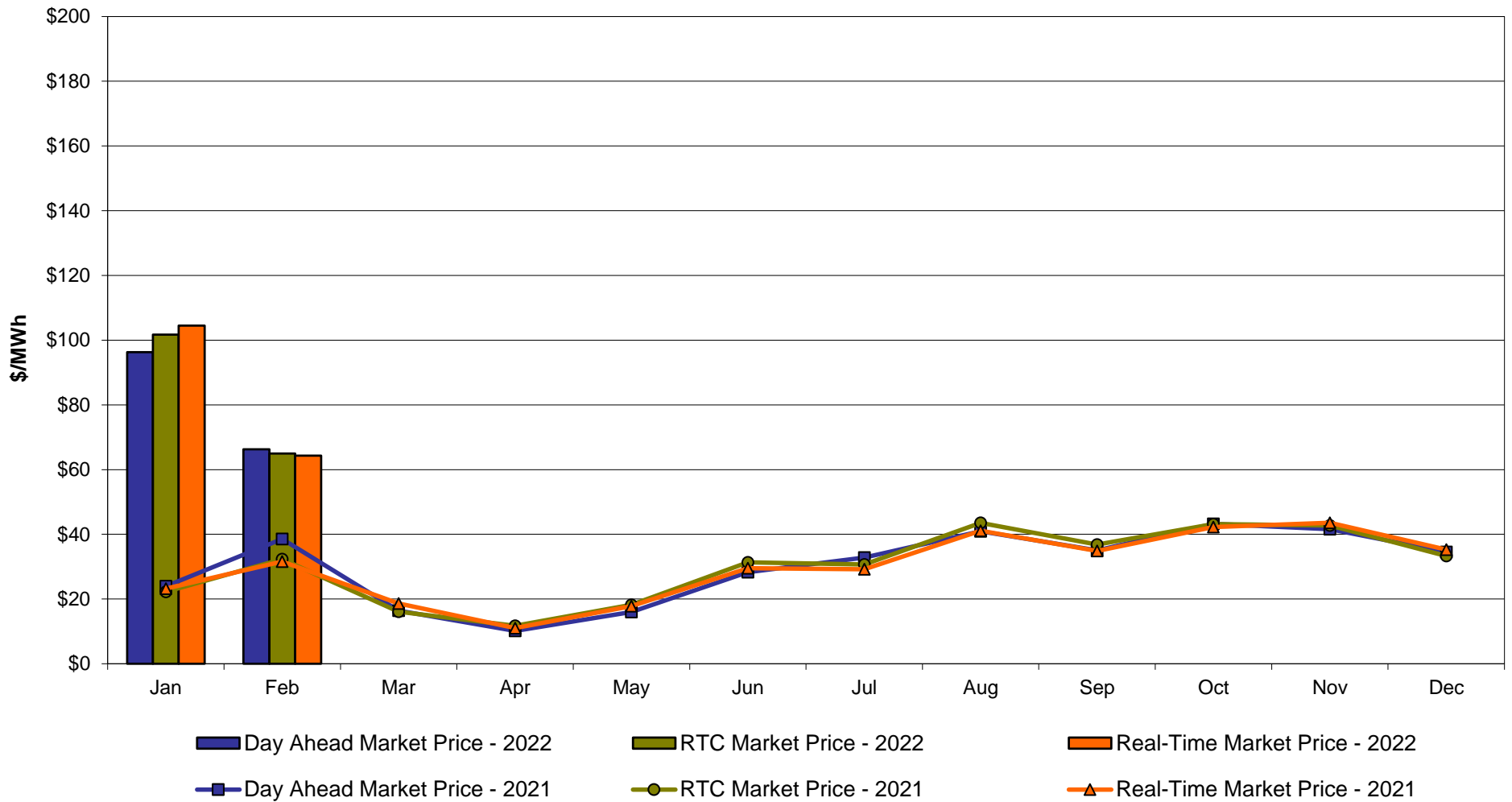
	<u>WEST</u> <u>Zone A</u>	<u>GENESEE</u> <u>Zone B</u>	<u>NORTH</u> <u>Zone D</u>	<u>CENTRAL</u> <u>Zone C</u>	<u>MOHAWK</u> <u>VALLEY</u> <u>Zone E</u>	<u>CAPITAL</u> <u>Zone F</u>	<u>HUDSON</u> <u>VALLEY</u> <u>Zone G</u>	<u>MILLWOOD</u> <u>Zone H</u>	<u>DUNWOODIE</u> <u>Zone I</u>	<u>NEW YORK</u> <u>CITY</u> <u>Zone J</u>	<u>LONG</u> <u>ISLAND</u> <u>Zone K</u>
<u>DAY AHEAD LBMP</u>											
Unweighted Price *	62.83	64.20	60.19	66.26	69.87	104.19	91.37	93.48	93.40	94.62	107.61
Standard Deviation	33.97	37.69	39.92	37.45	39.55	46.65	40.66	41.91	41.87	43.12	47.45
<u>RTC LBMP</u>											
Unweighted Price *	56.87	63.64	60.90	64.99	70.00	107.06	88.04	93.79	91.82	93.60	111.26
Standard Deviation	40.12	51.12	54.15	49.63	56.37	81.32	57.58	64.58	59.95	62.24	85.16
<u>REAL TIME LBMP</u>											
Unweighted Price *	58.61	62.52	60.35	64.31	69.37	106.21	87.29	92.83	90.96	92.83	103.29
Standard Deviation	47.17	52.98	57.05	52.92	60.12	87.50	60.41	67.02	62.78	65.40	71.11
	<u>ONTARIO</u> <u>IESO</u>	<u>HYDRO</u> <u>QUEBEC</u> <u>(Wheel)</u>	<u>HYDRO</u> <u>QUEBEC</u> <u>(Import/Export)</u>	<u>PJM</u>	<u>NEW</u> <u>ENGLAND</u>	<u>CROSS</u> <u>SOUND</u> <u>CABLE</u> <u>Controllable</u> <u>Line</u>	<u>NORTHPORT-</u> <u>NORWALK</u> <u>Controllable</u> <u>Line</u>	<u>NEPTUNE</u> <u>Controllable</u> <u>Line</u>	<u>LINDEN VFT</u> <u>Controllable</u> <u>Line</u>	<u>HUDSON</u> <u>Controllable</u> <u>Line</u>	<u>Dennison</u> <u>Controllable</u> <u>Line</u>
	<u>Zone O</u>	<u>Zone M</u>	<u>Zone M</u>	<u>Zone P</u>	<u>Zone N</u>						
<u>DAY AHEAD LBMP</u>											
Unweighted Price *	51.93	59.87	59.87	63.83	109.23	109.23	108.67	106.13	87.38	93.16	58.87
Standard Deviation	24.85	38.32	38.32	25.55	45.75	49.22	46.45	46.46	37.34	41.70	40.04
<u>RTC LBMP</u>											
Unweighted Price *	53.73	57.71	57.71	55.68	108.89	112.13	110.26	109.48	84.74	87.10	65.27
Standard Deviation	36.22	48.60	48.60	30.89	68.97	86.00	83.74	83.62	52.63	64.97	73.30
<u>REAL TIME LBMP</u>											
Unweighted Price *	54.13	57.36	57.36	55.44	104.70	104.50	104.22	101.59	80.72	90.20	58.08
Standard Deviation	53.64	52.27	52.27	39.07	73.33	72.10	70.81	69.48	95.87	61.37	72.48

* Straight LBMP averages

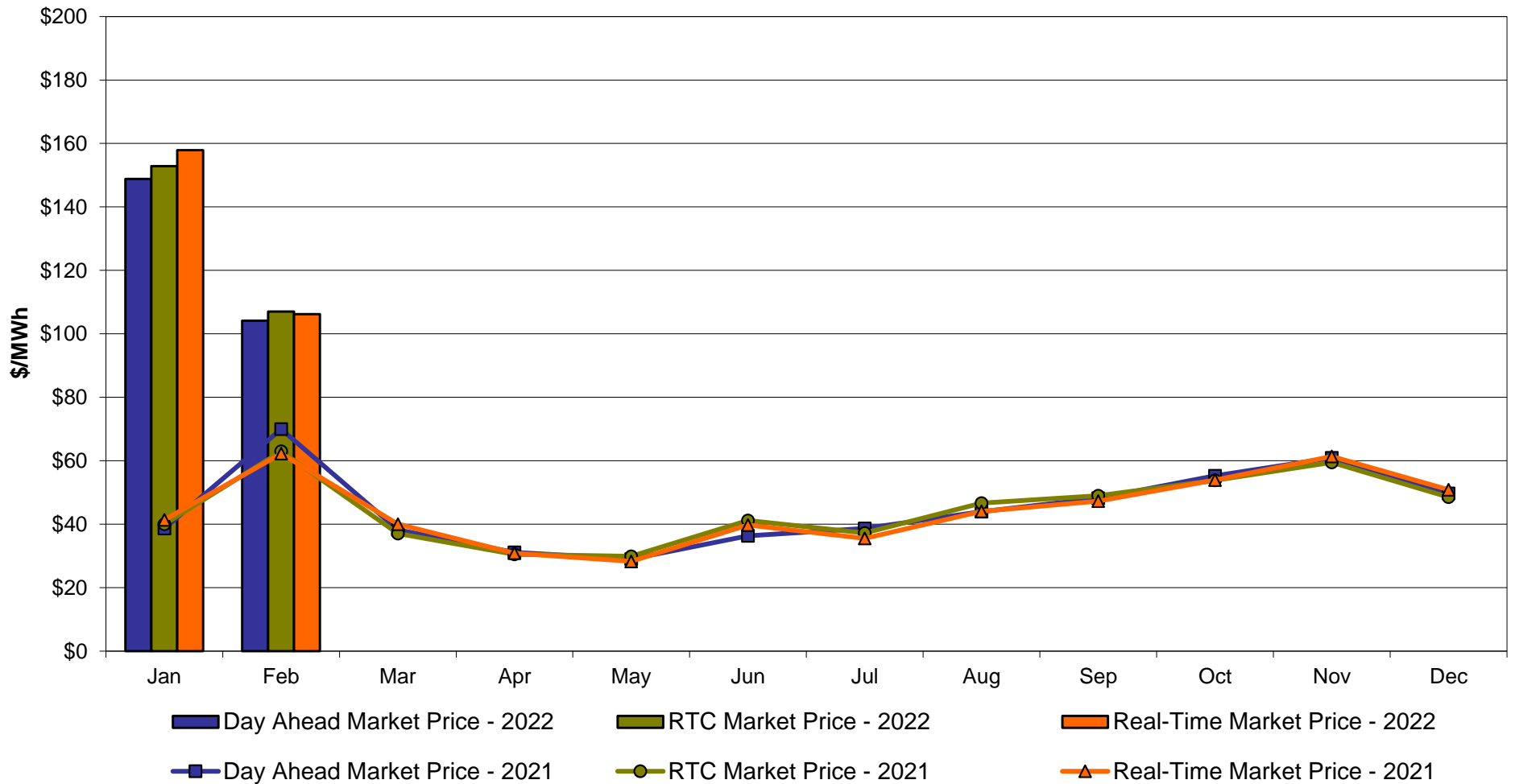
West Zone A **Monthly Average LBMP Prices 2021 - 2022**



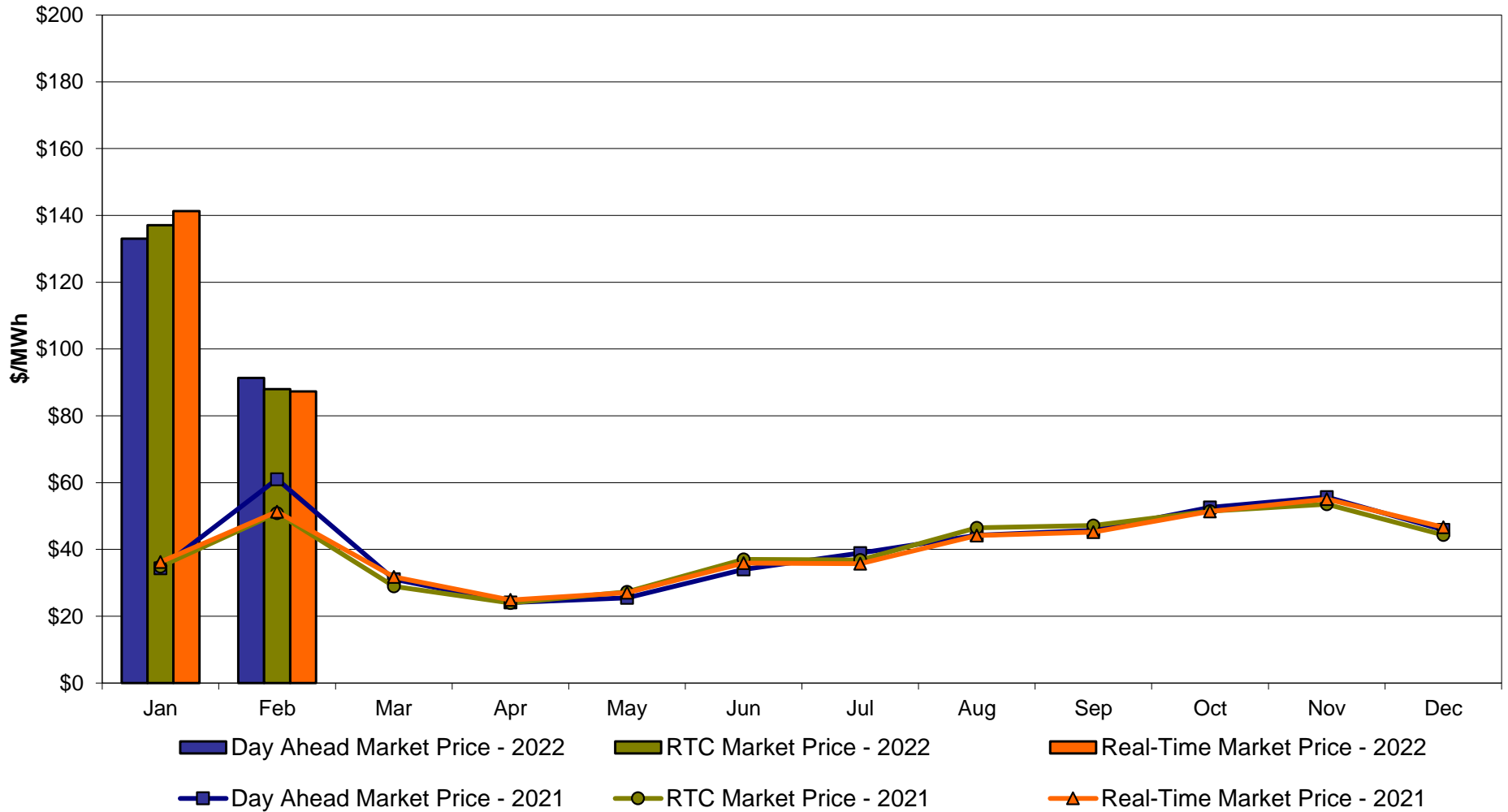
Central Zone C Monthly Average LBMP Prices 2020 - 2021



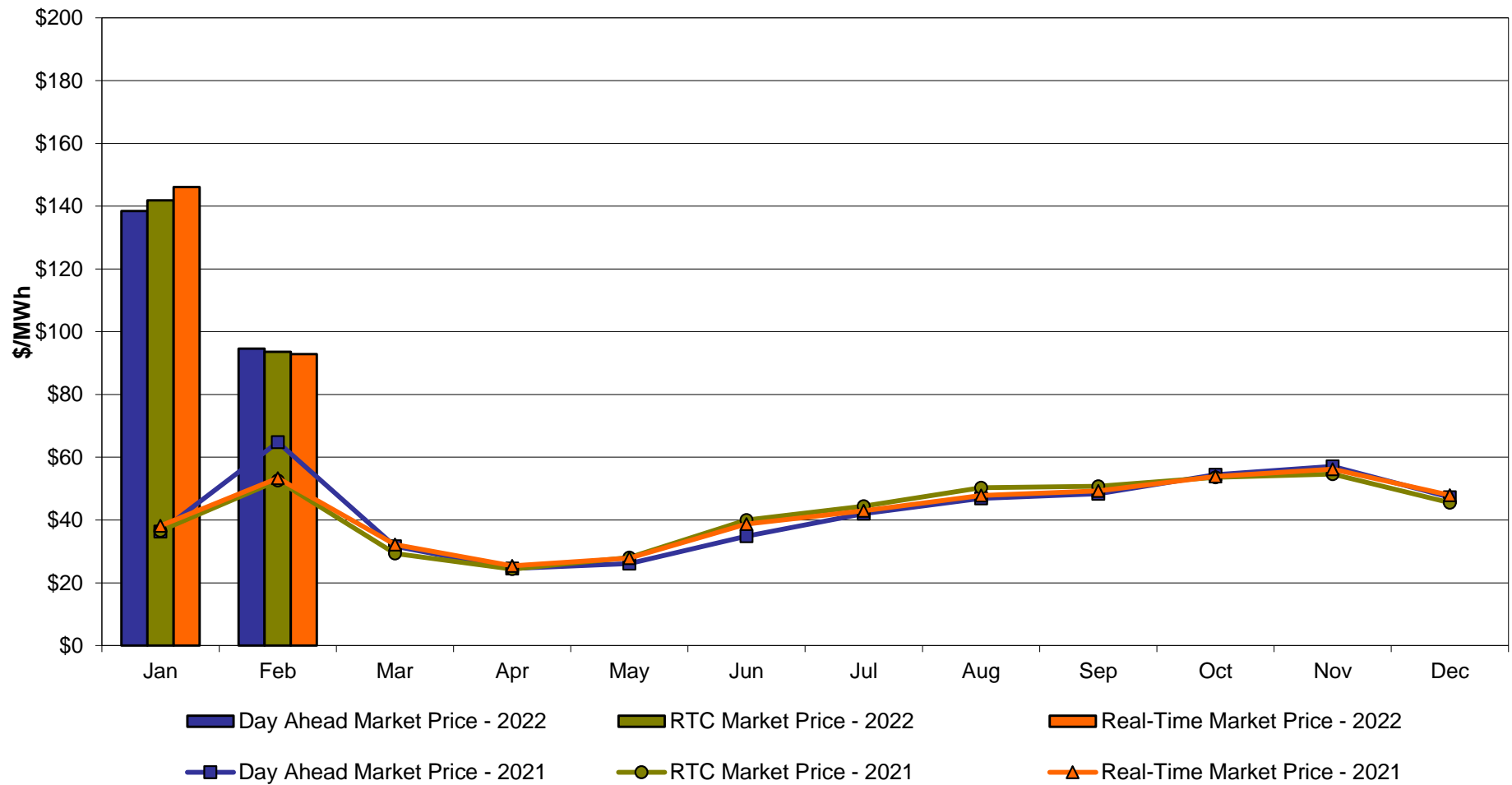
Capital Zone F **Monthly Average LBMP Prices 2021 - 2022**



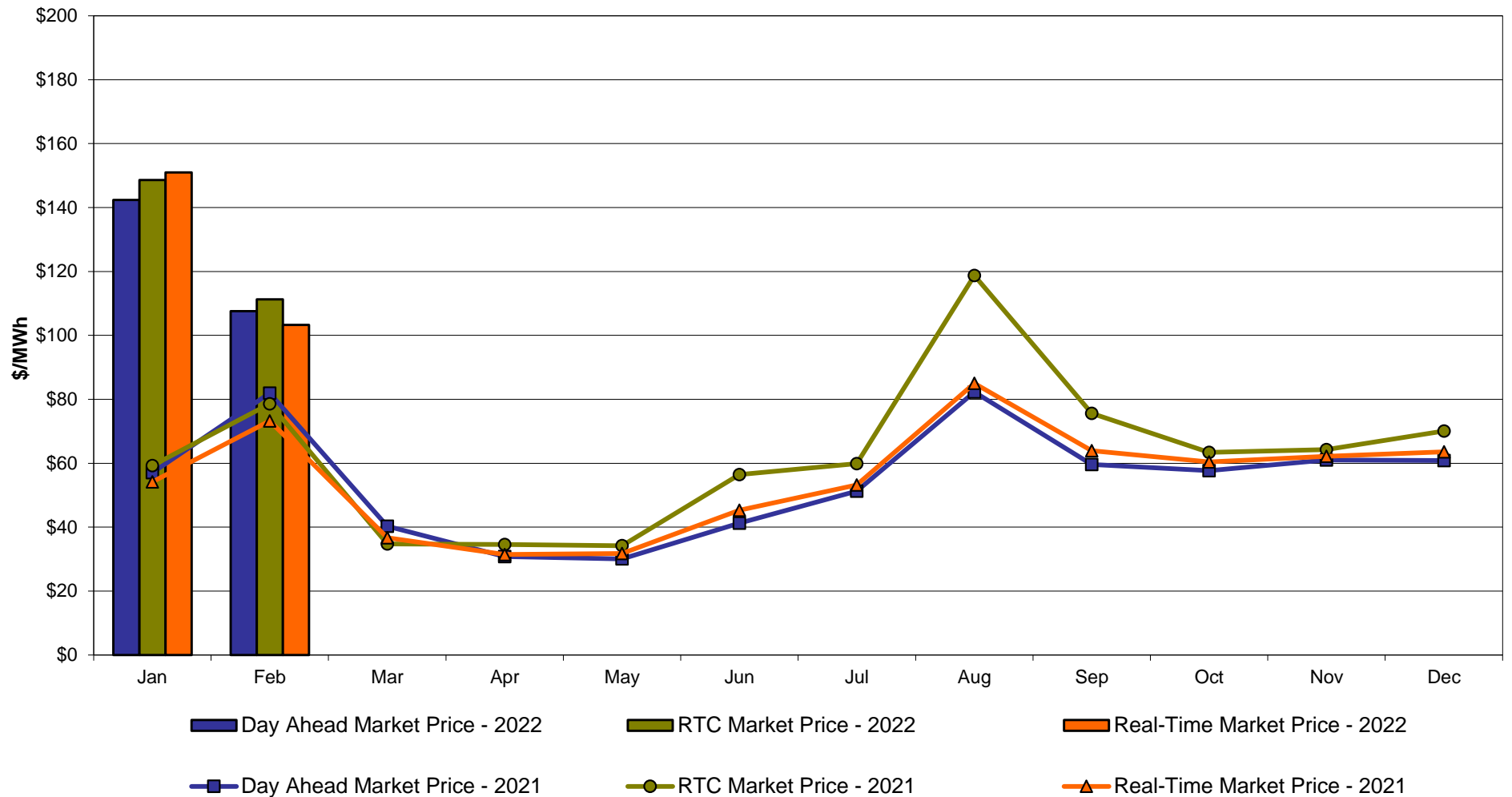
Hudson Valley Zone G Monthly Average LBMP Prices 2020 - 2021

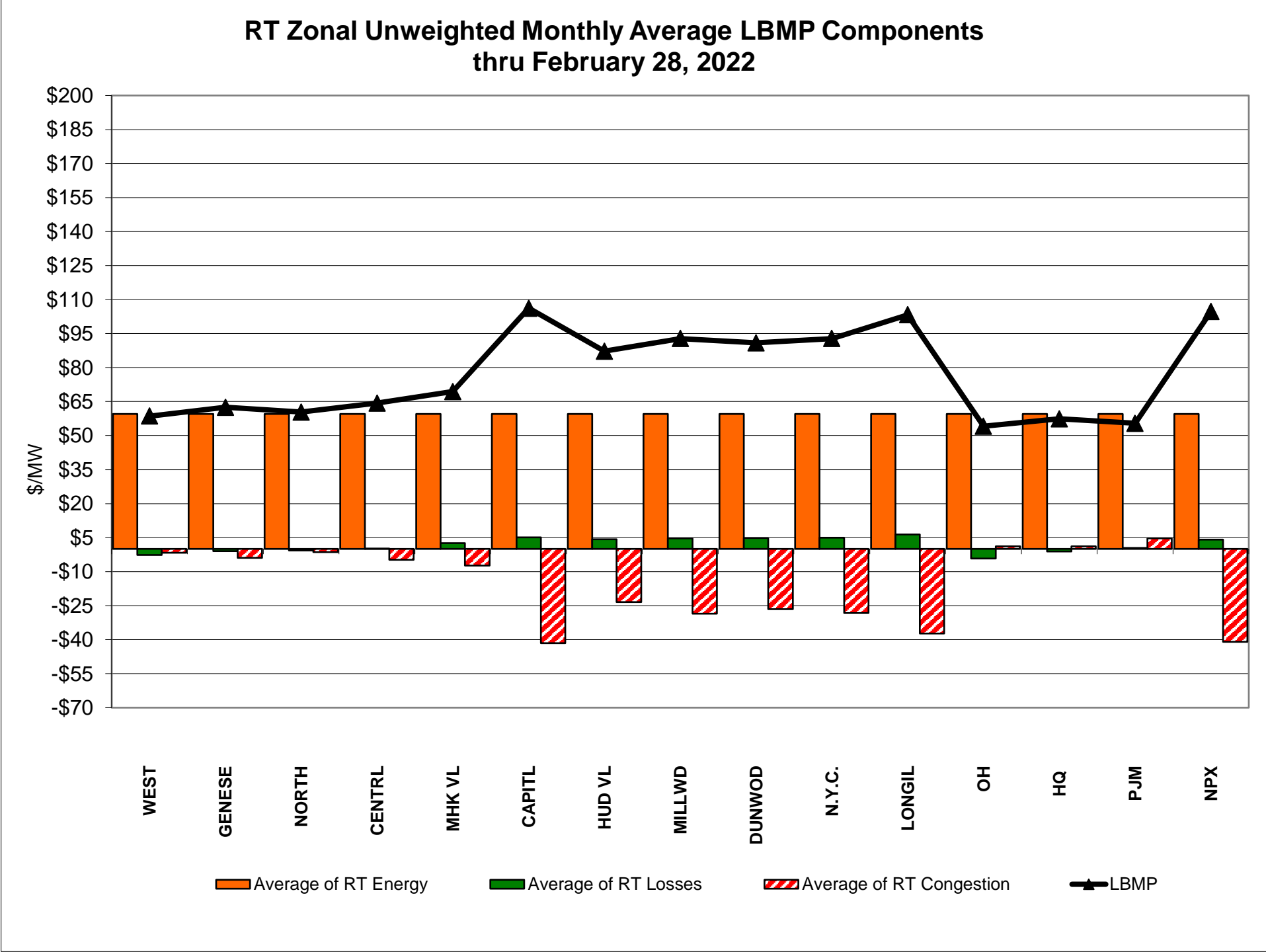
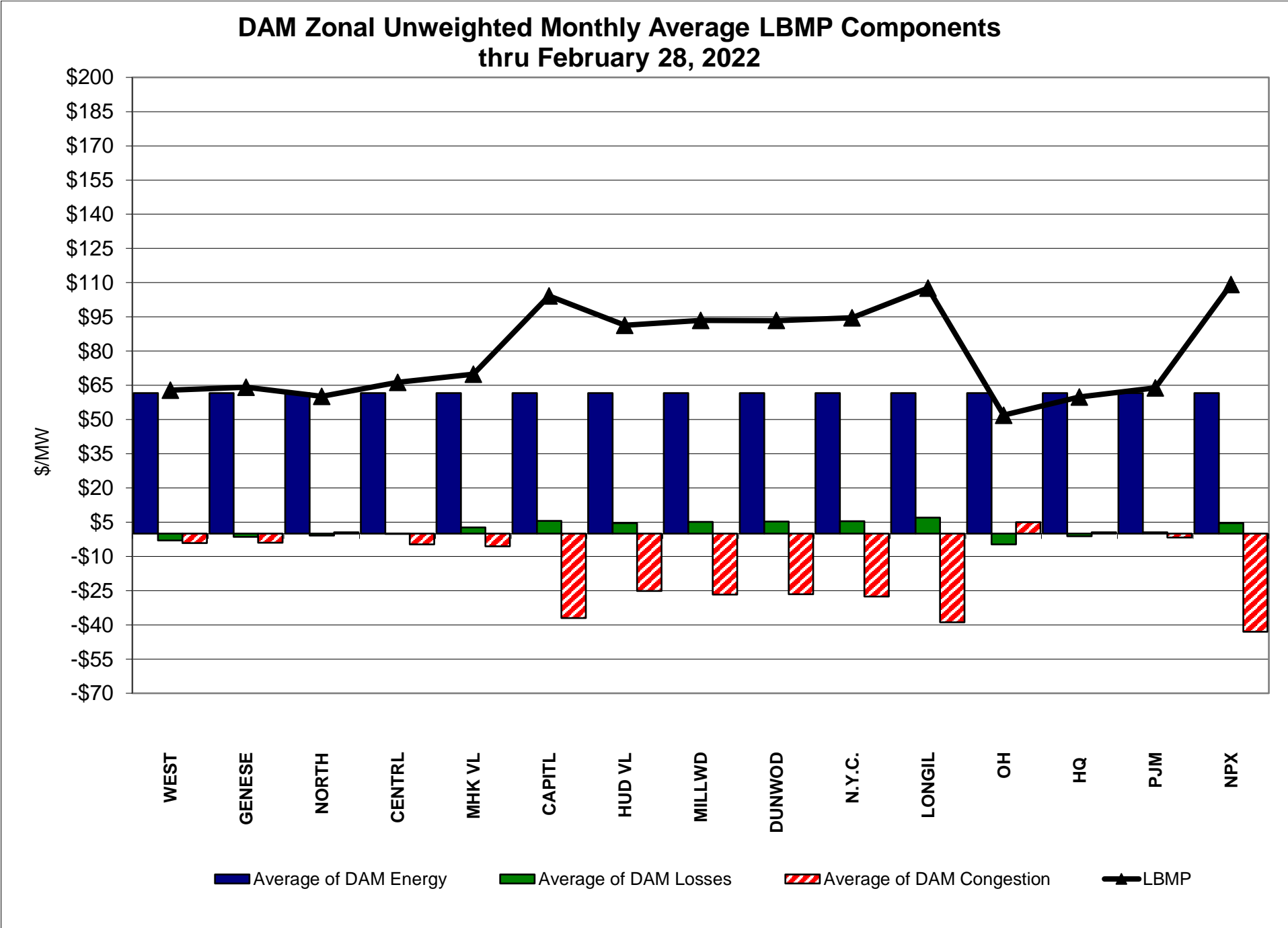


NYC Zone J Monthly Average LBMP Prices 2021 - 2022

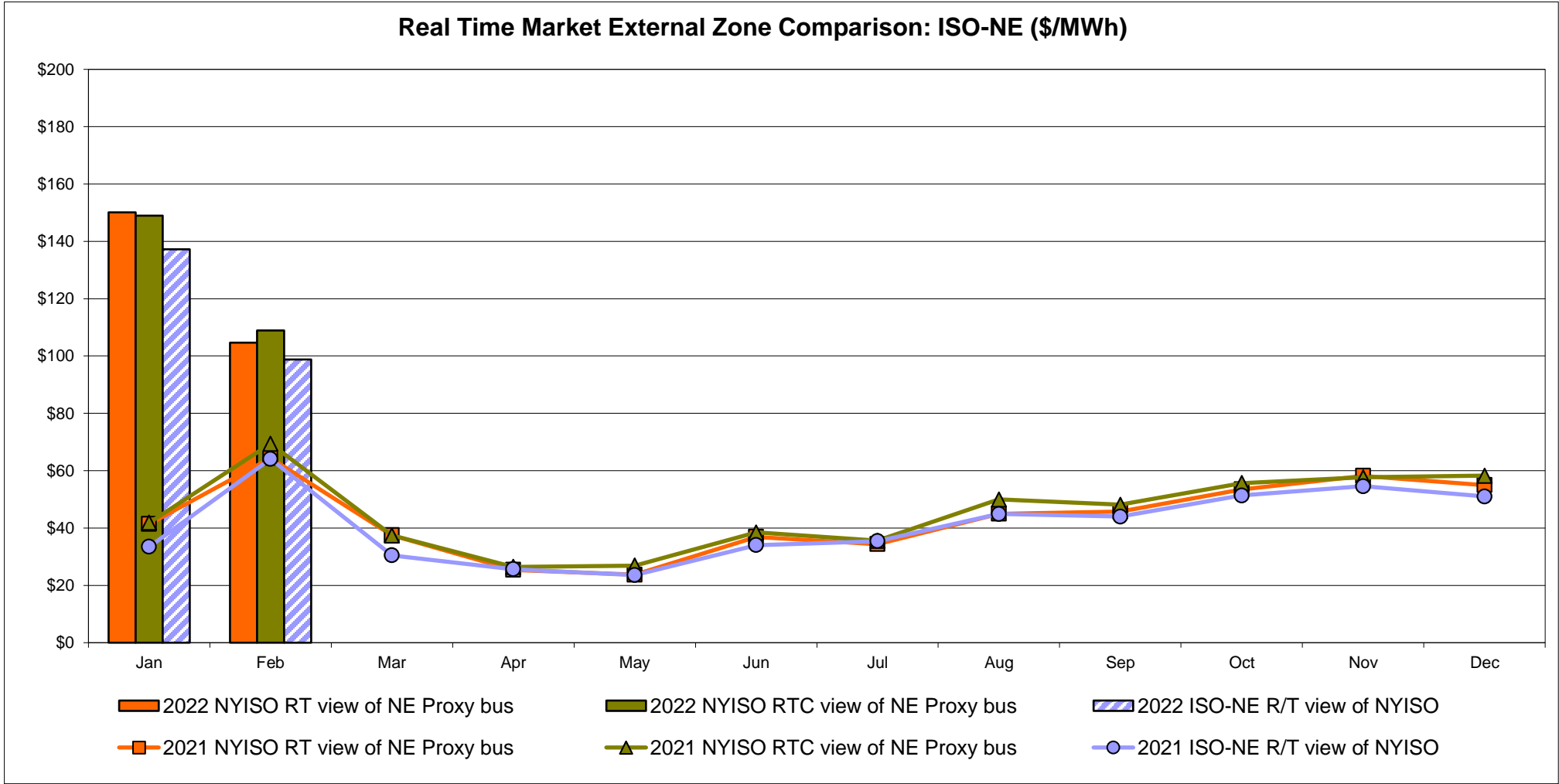
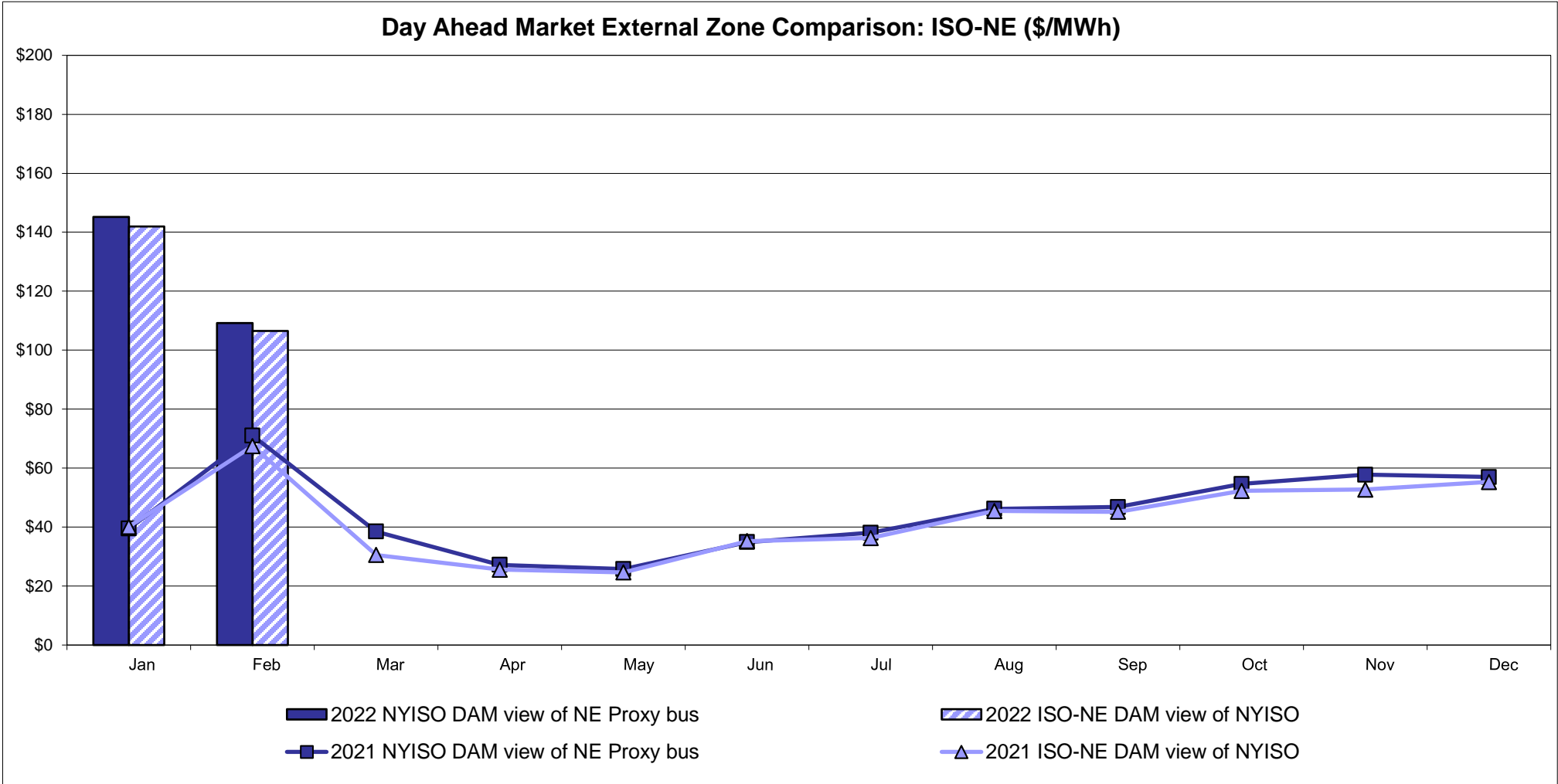


Long Island Zone K Monthly Average LBMP Prices 2020 - 2021



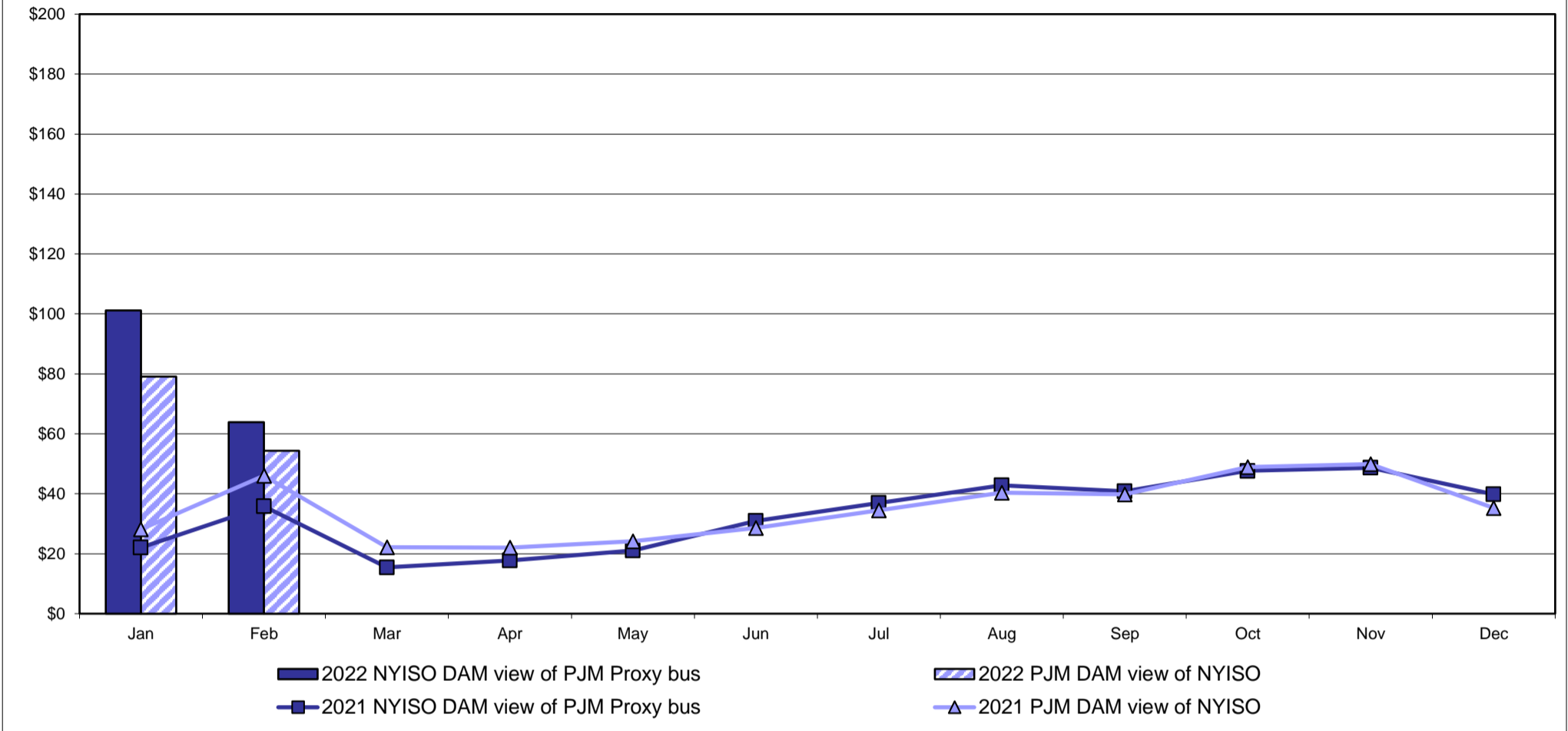


External Comparison ISO-New England

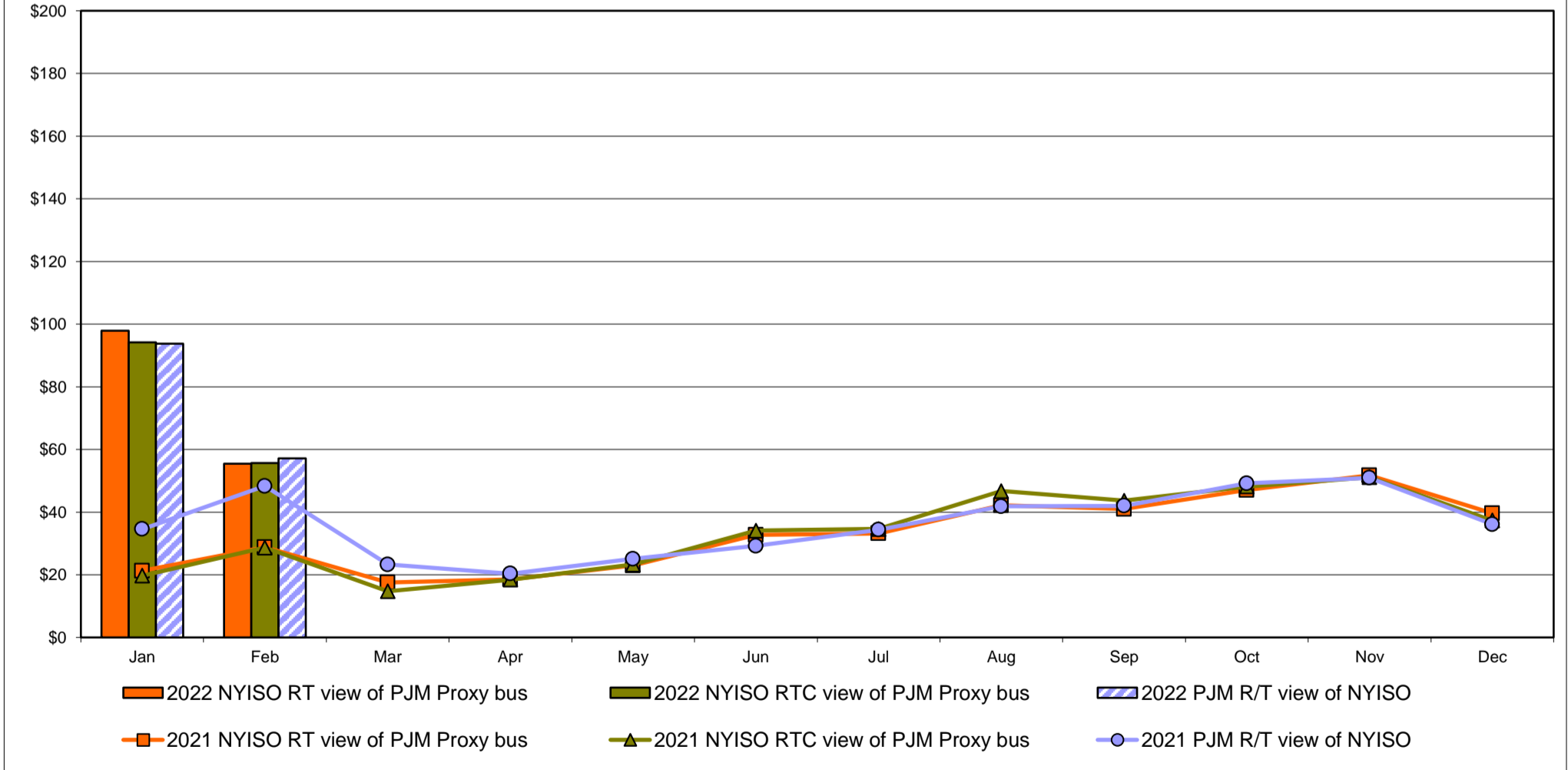


External Comparison PJM

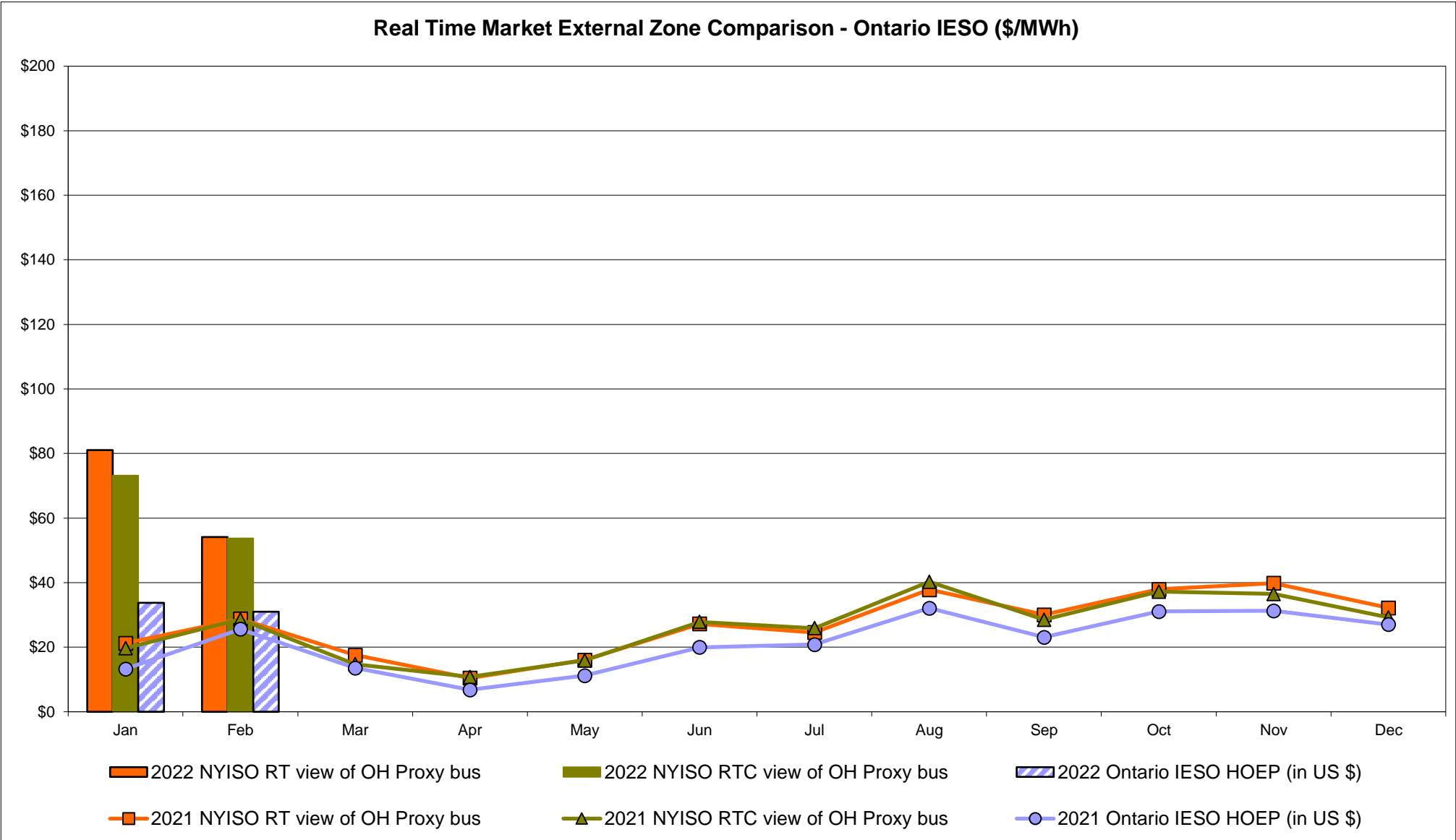
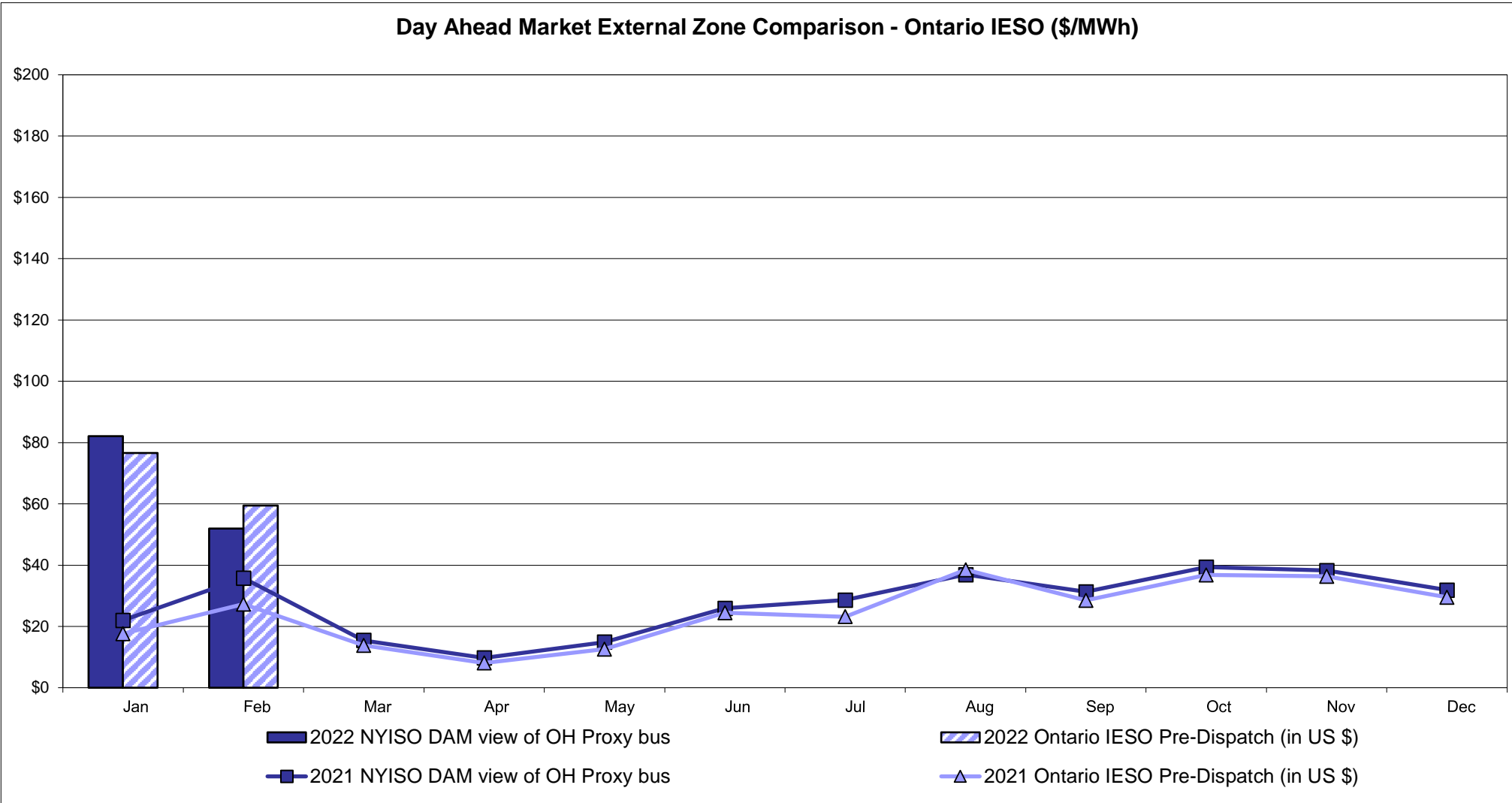
Day Ahead Market External Zone Comparison - PJM (\$/MWh)



Real Time Market External Zone Comparison - PJM (\$/MWh)

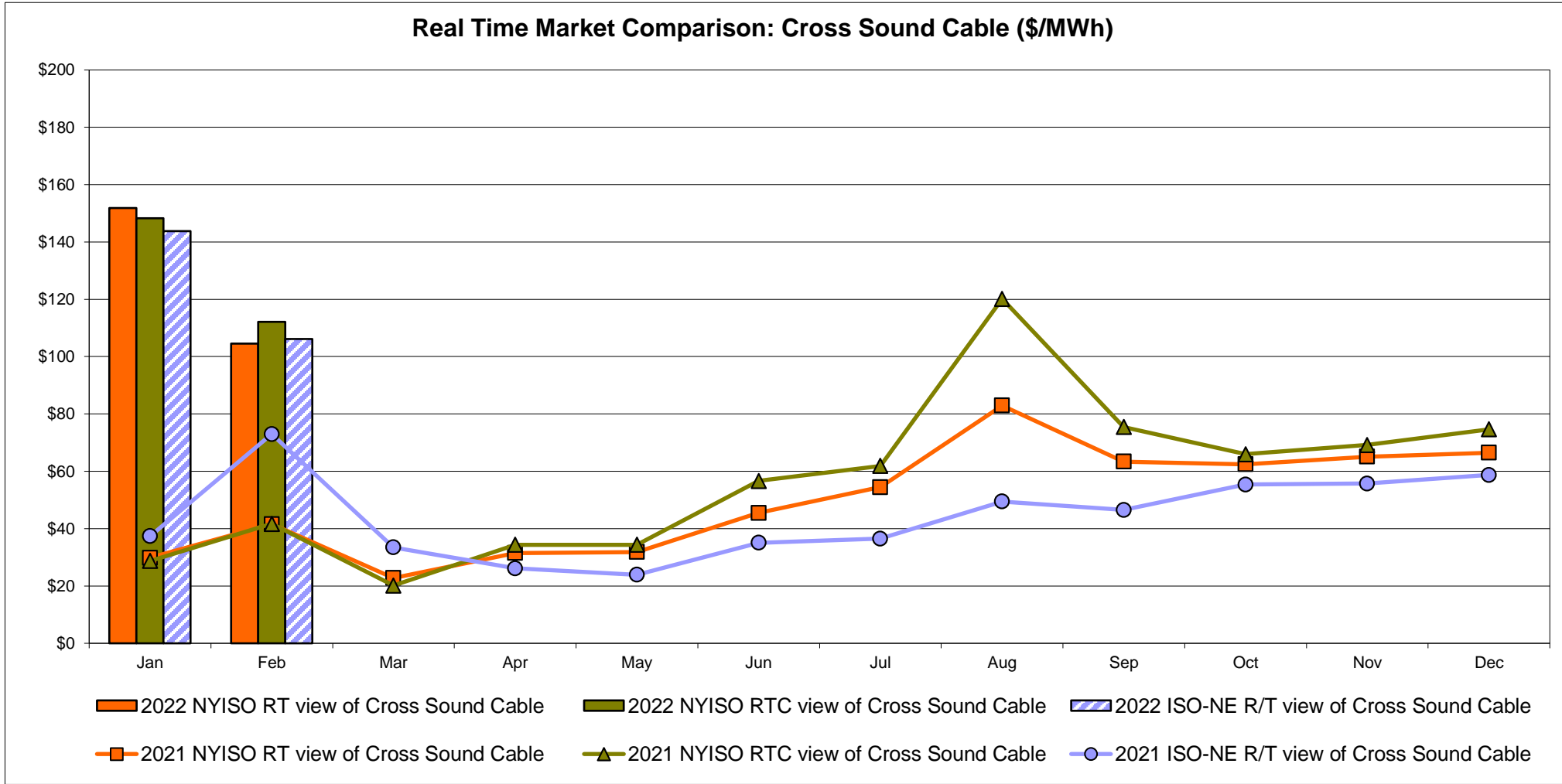
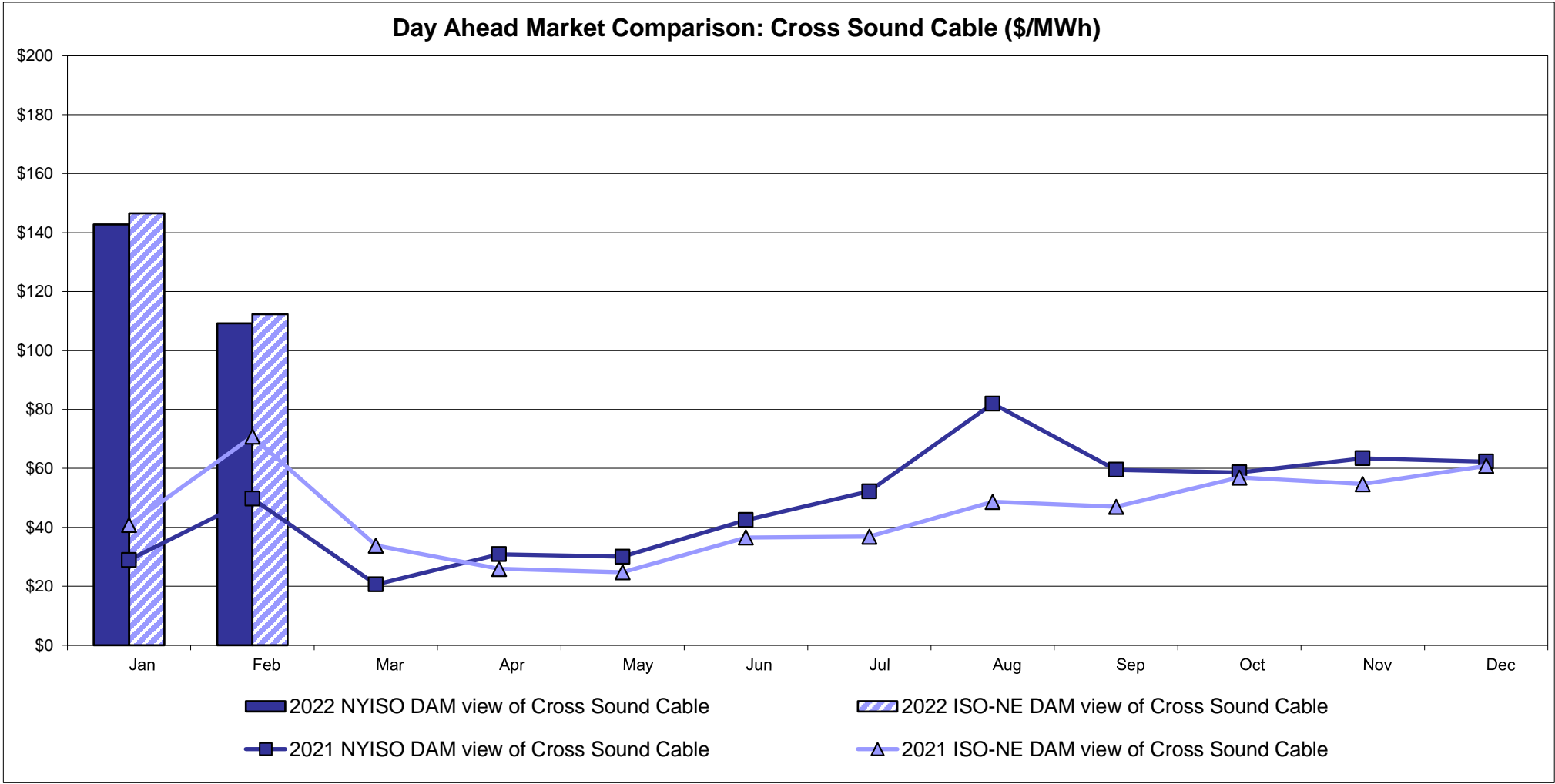


External Comparison Ontario IESO



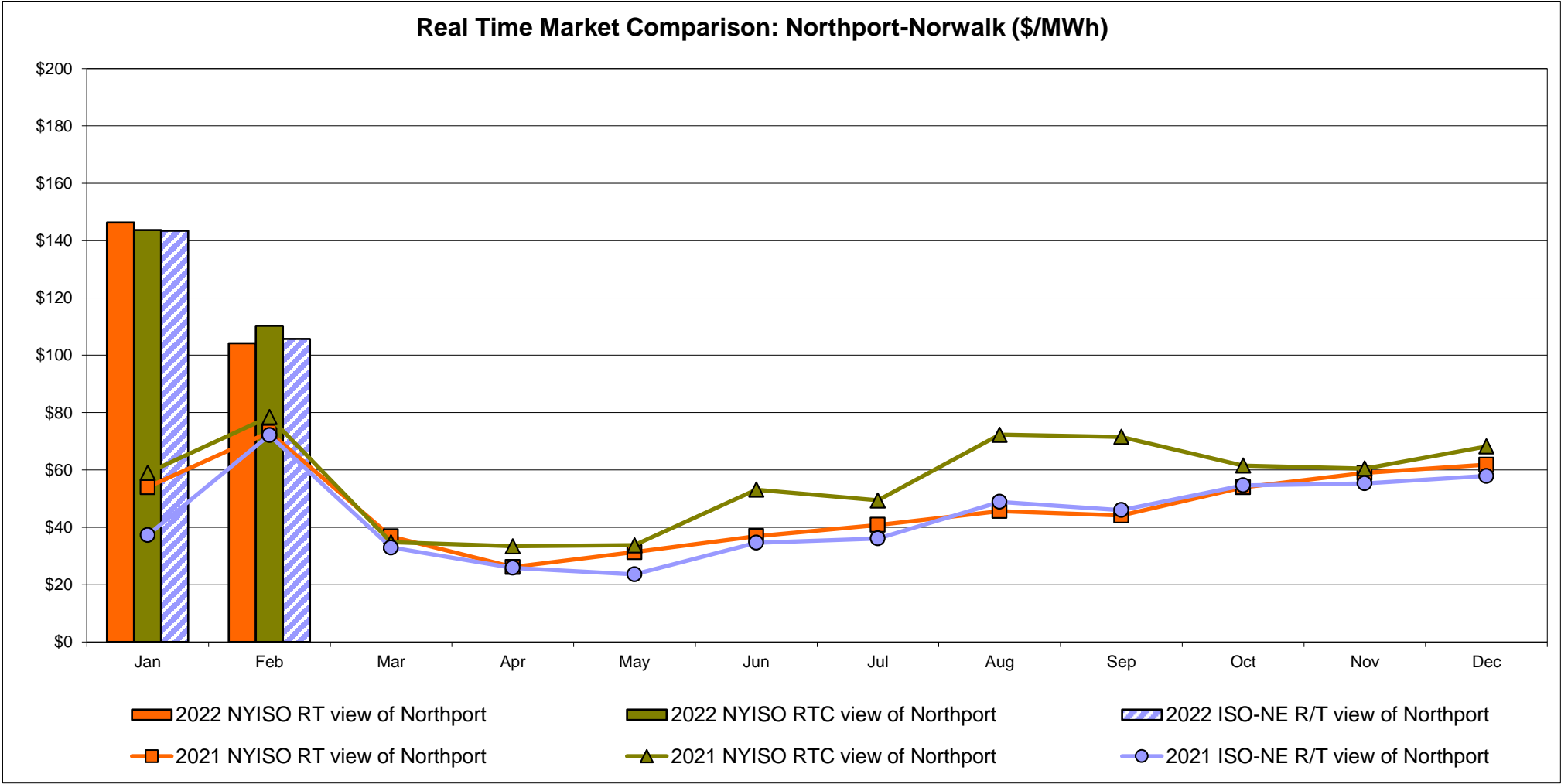
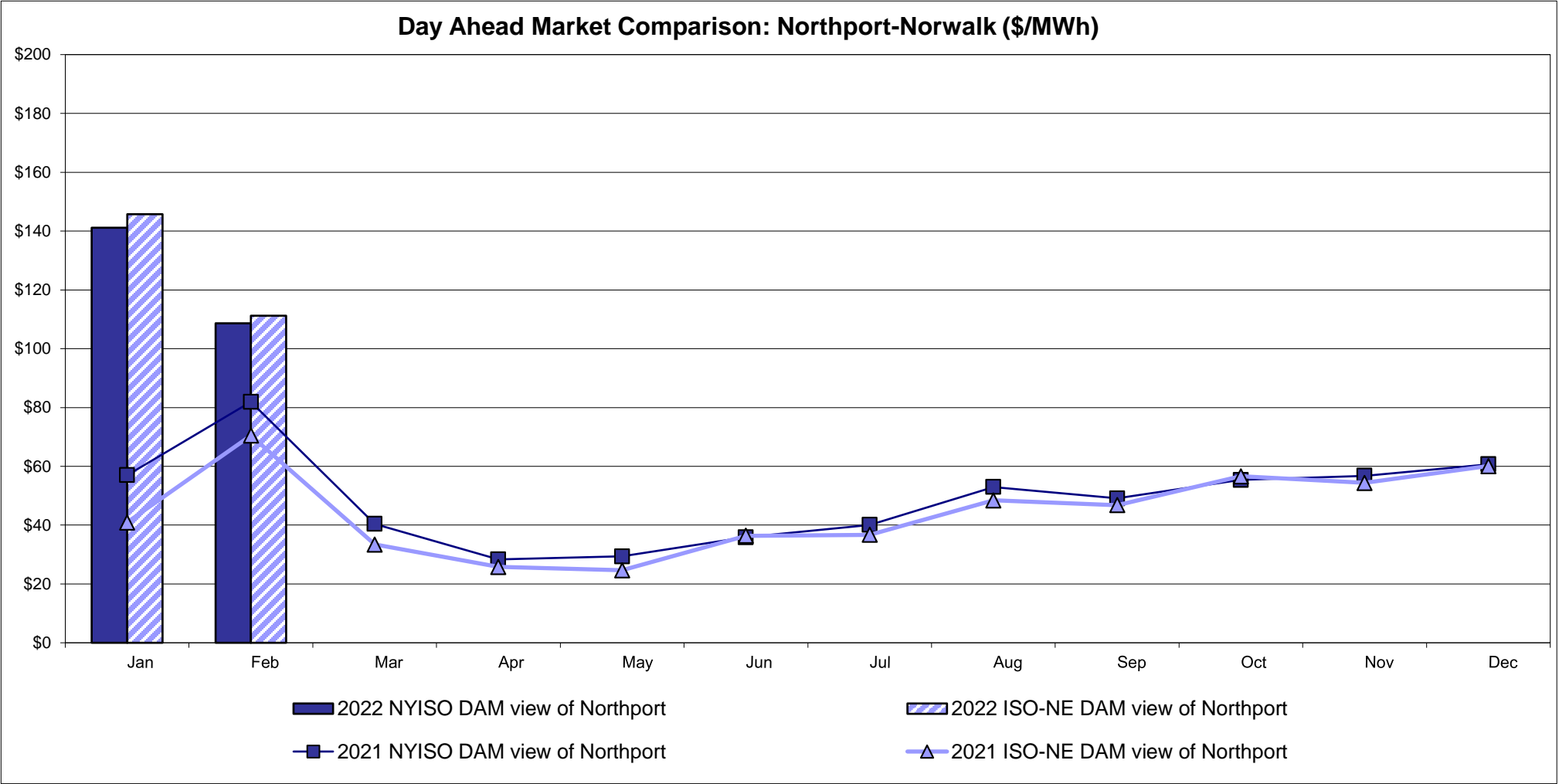
Notes: Exchange factor used for February 2022 was 0.786720163637794 to US
HOEP: Hourly Ontario Energy Price
Pre-Dispatch: Projected Energy Price

External Controllable Line: Cross Sound Cable (New England)



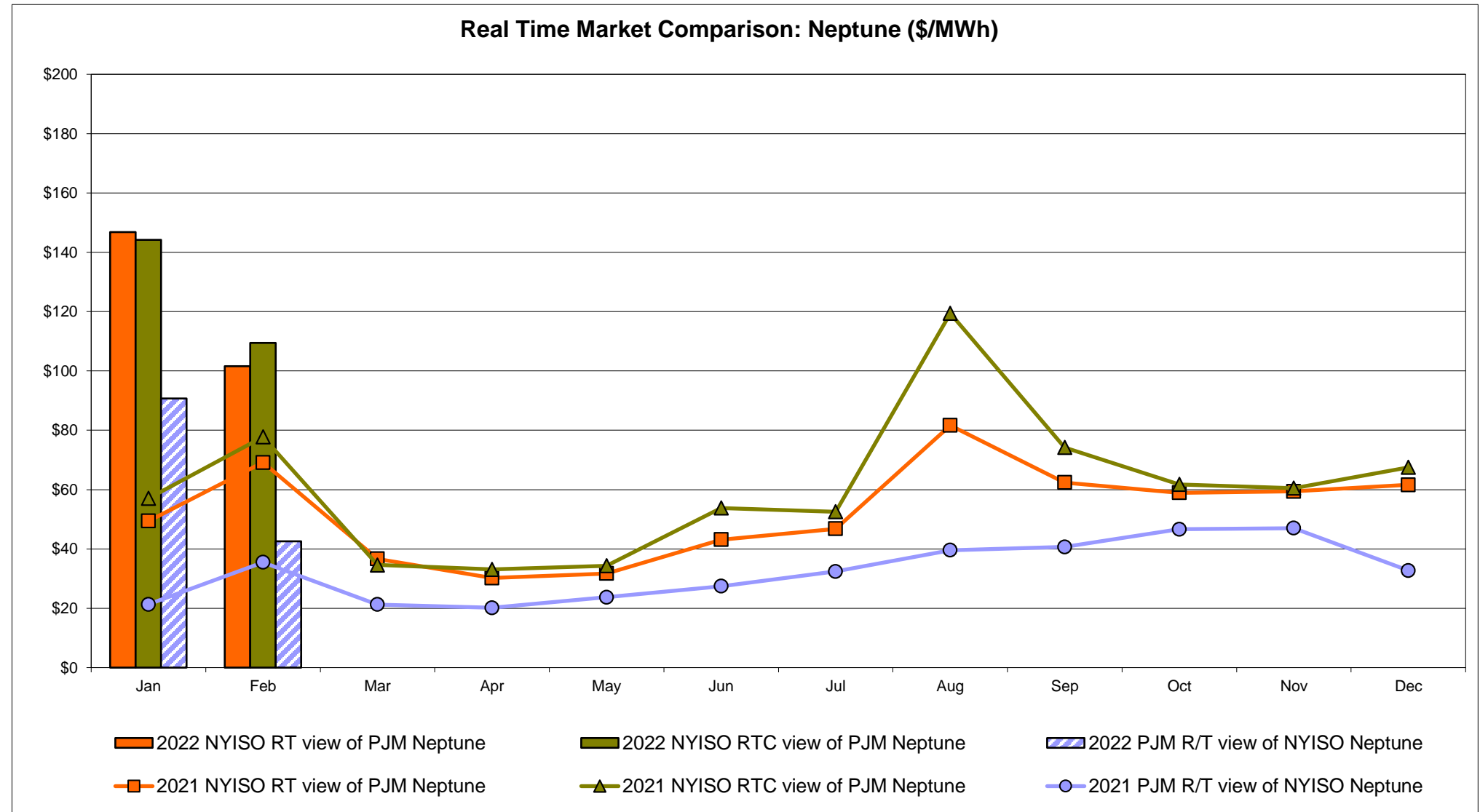
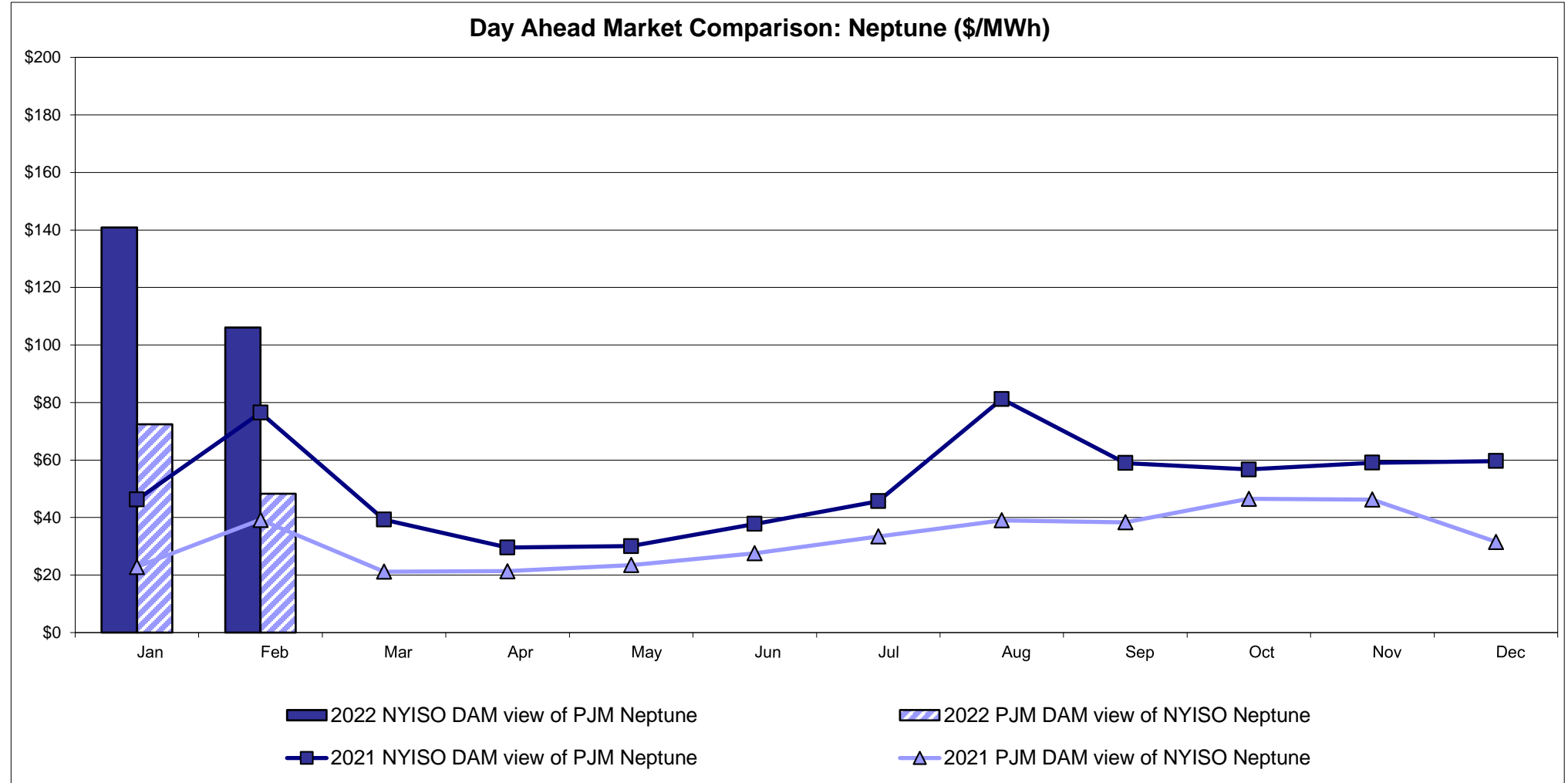
Note:
ISO-NE Forecast is an advisory posting @ 18:00 day before.
The DAM and R/T prices at the Shorham 13899 interface are used for ISO-NE.
The DAM and R/T prices at the CSC interface are used for NYISO.

External Controllable Line: Northport - Norwalk (New England)

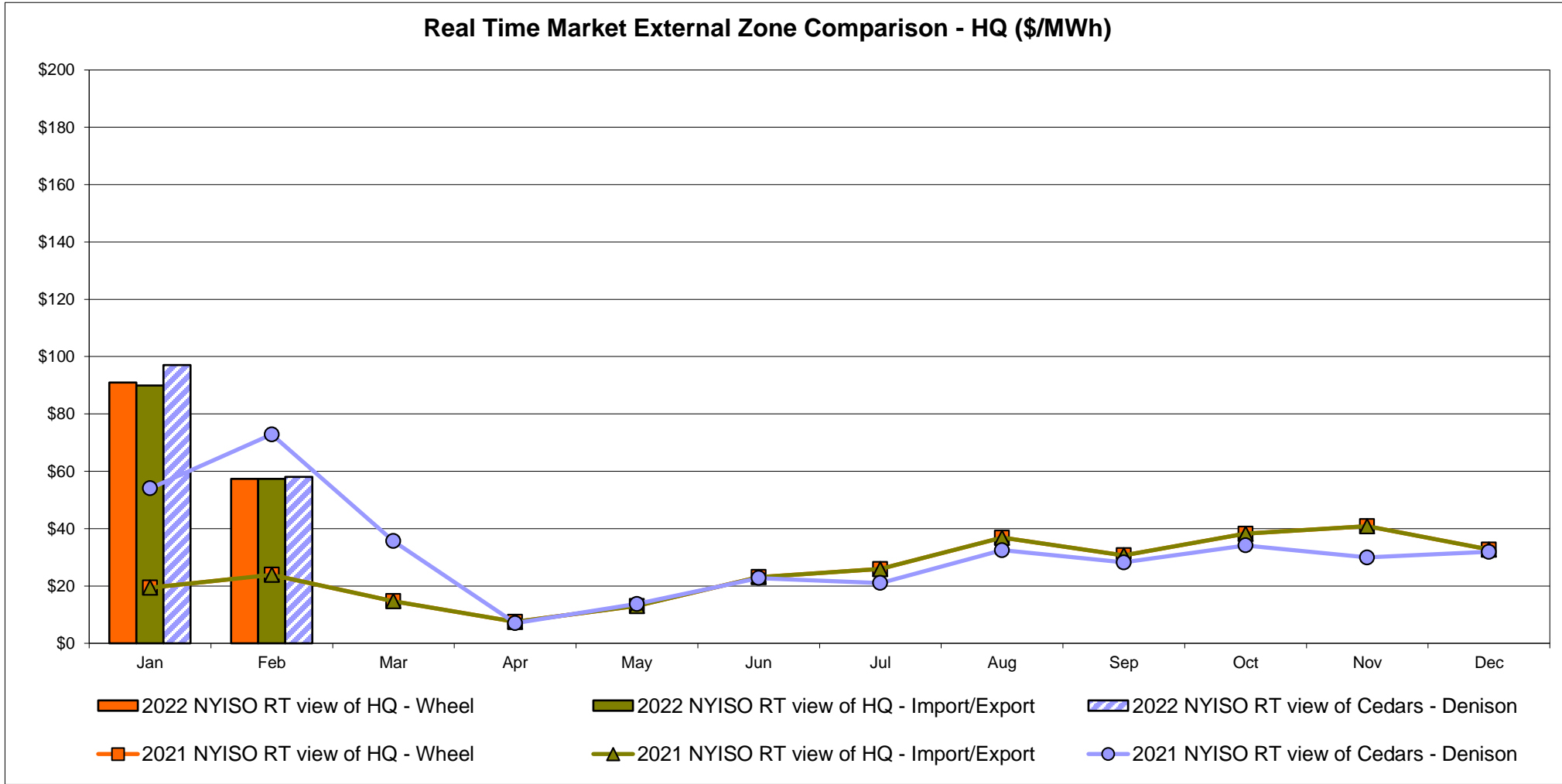
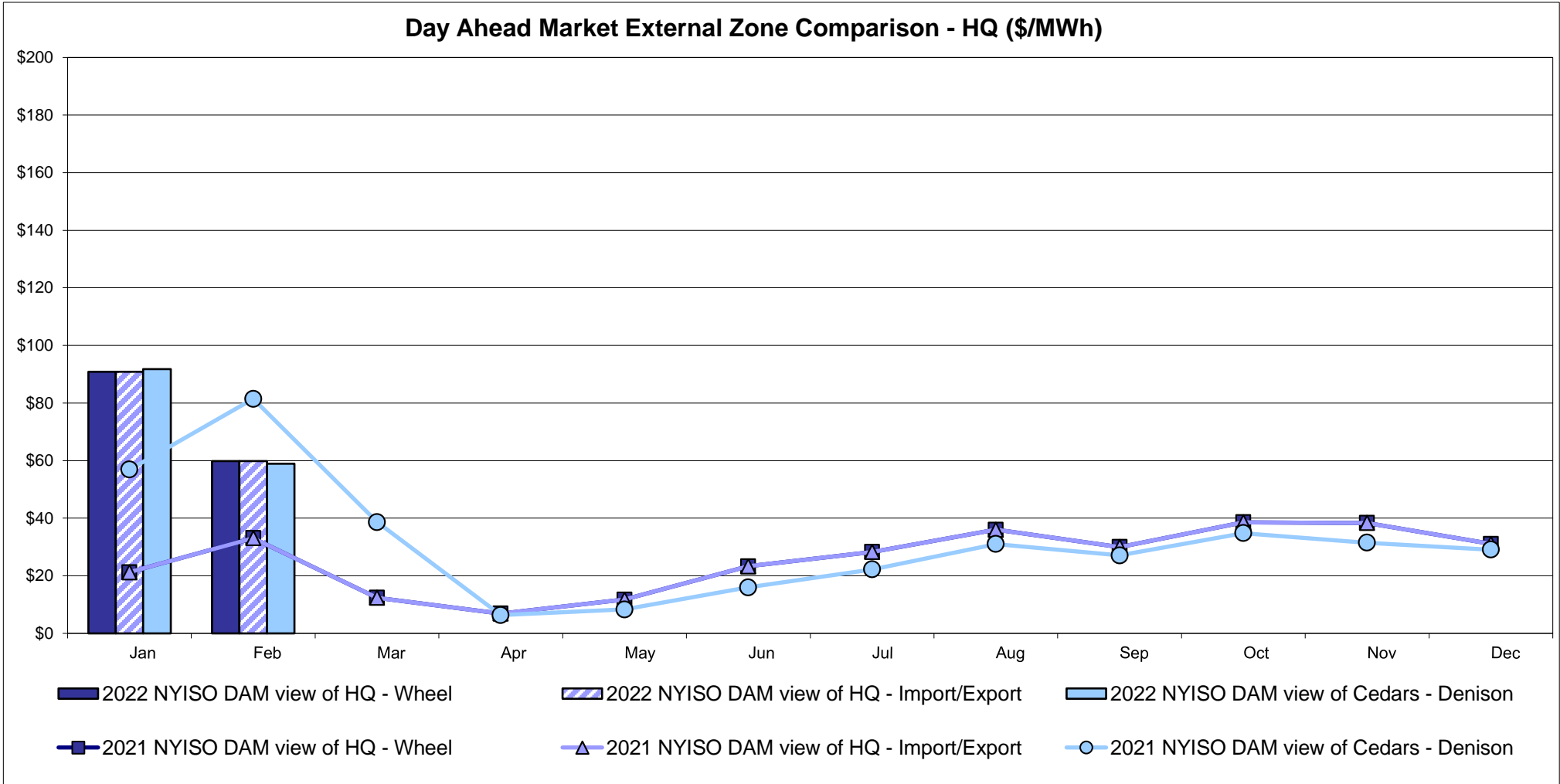


Note:
ISO-NE Forecast is an advisory posting @ 18:00 day before.
The DAM and R/T prices at the Northport 138 interface are used for ISO-NE.
The DAM and R/T prices at the 1385 interface are used for NYISO.

External Controllable Line: Neptune (PJM)

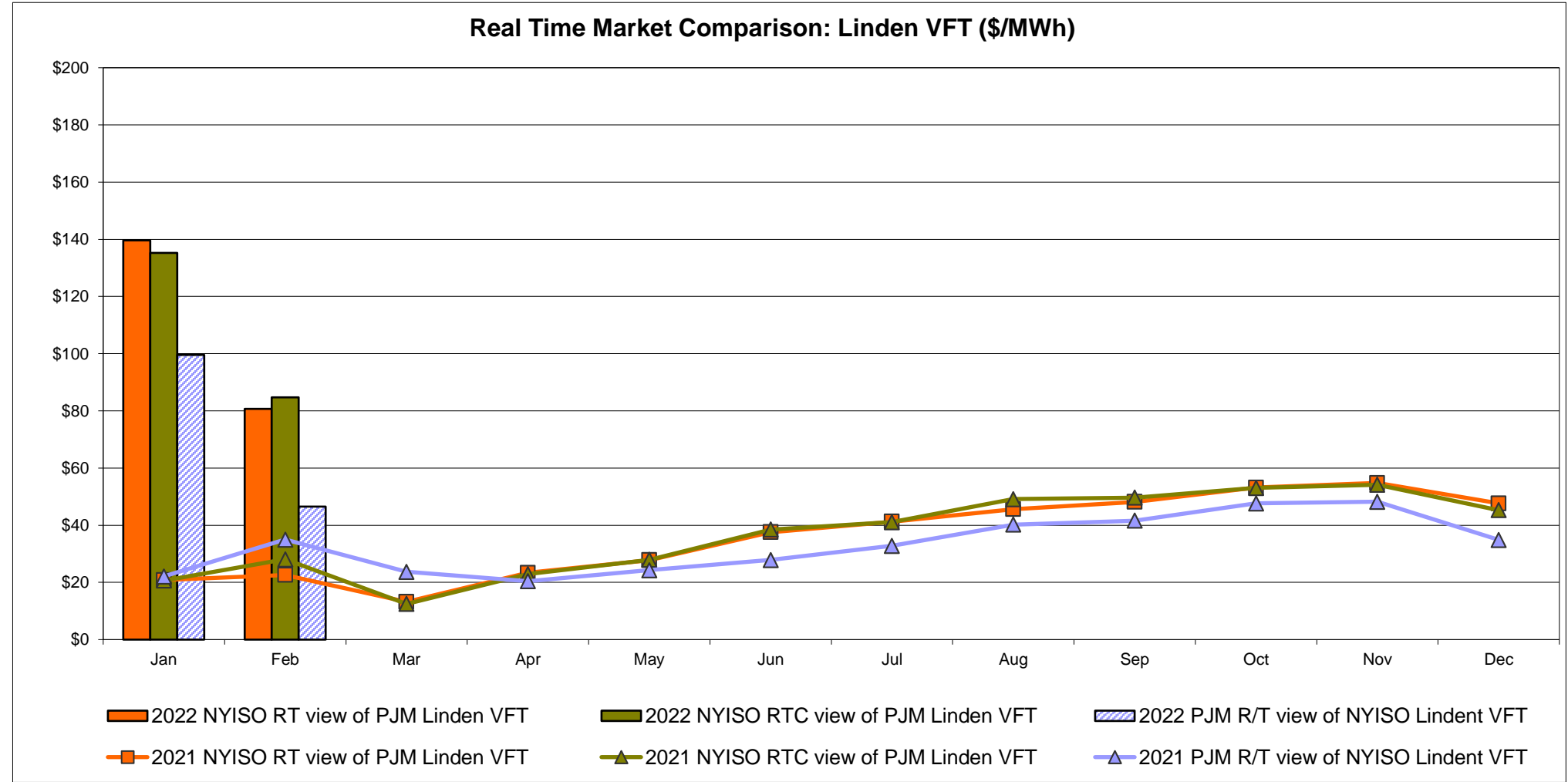
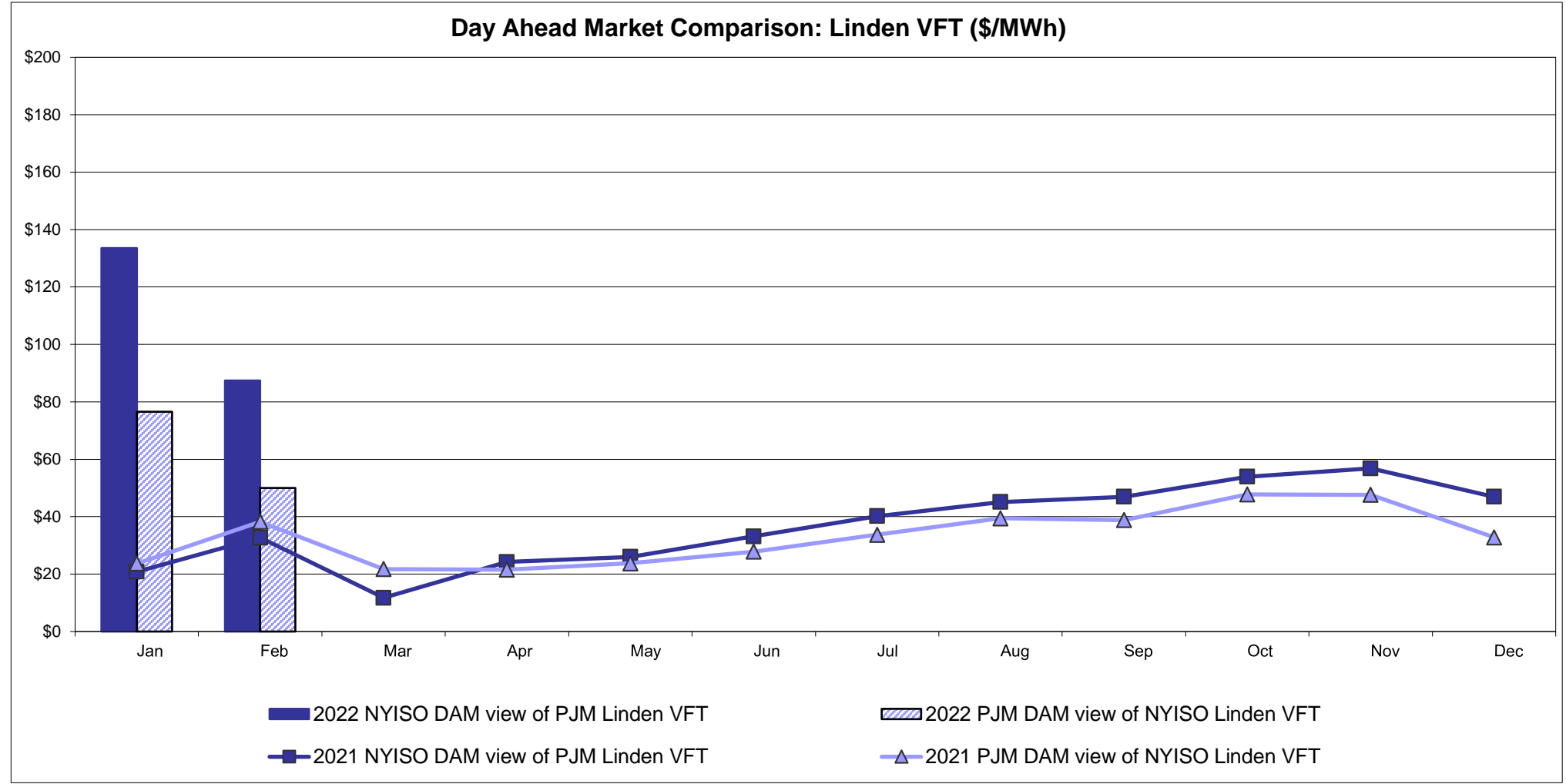


External Comparison Hydro-Quebec

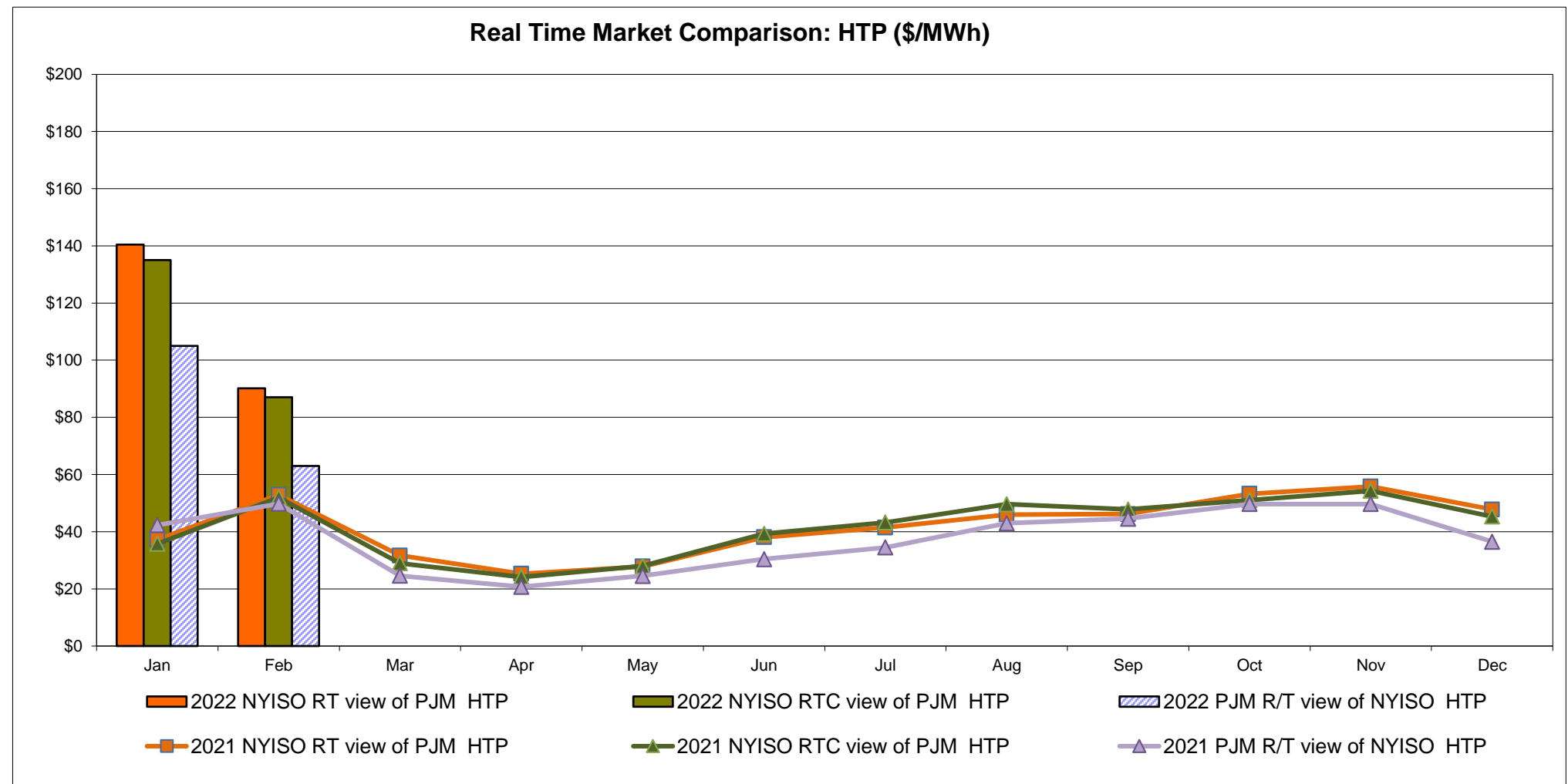
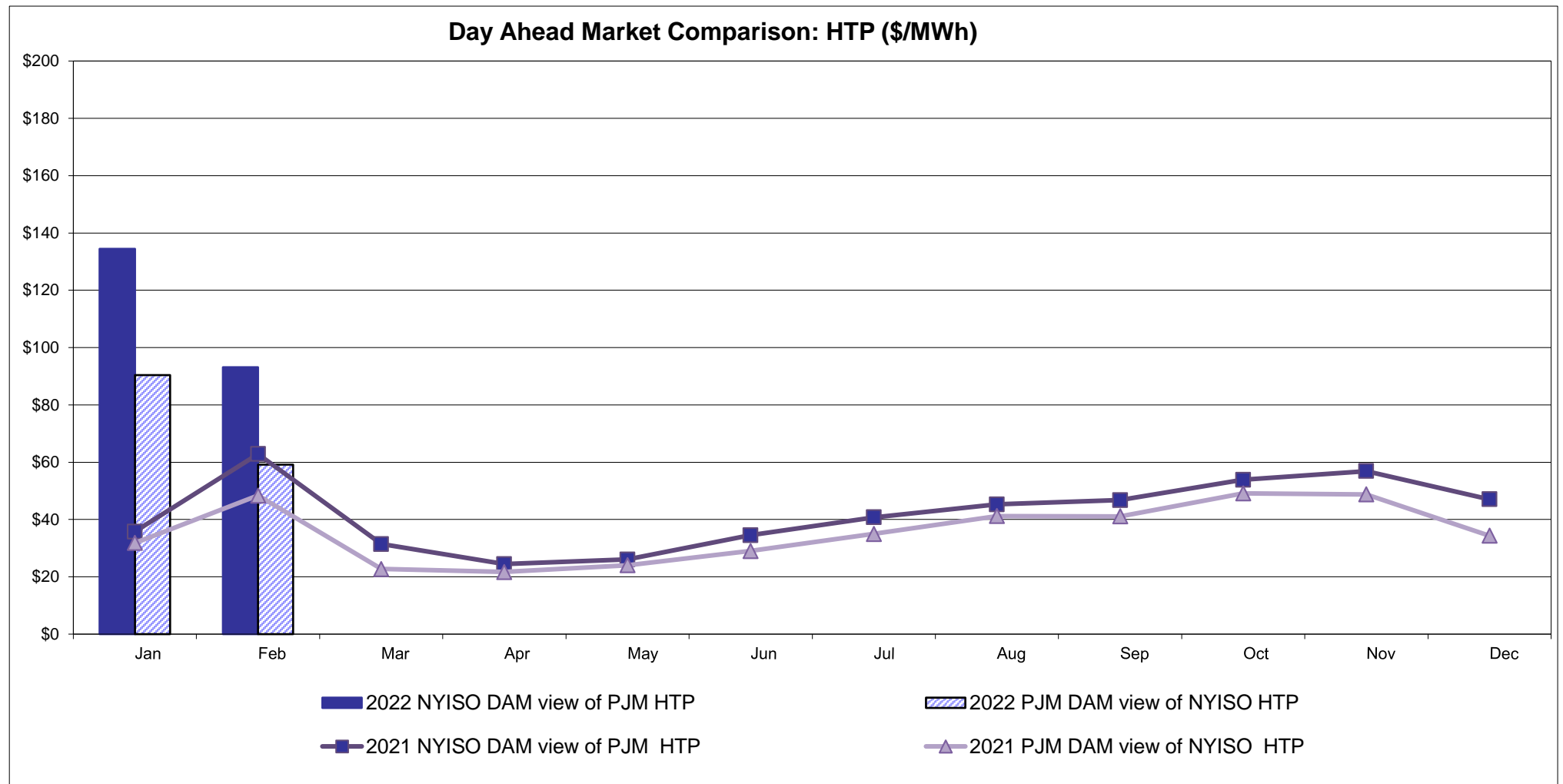


Note:
Hydro-Quebec Prices are unavailable.

External Controllable Line: Linden VFT (PJM)



External Controllable Line: Hudson (PJM)

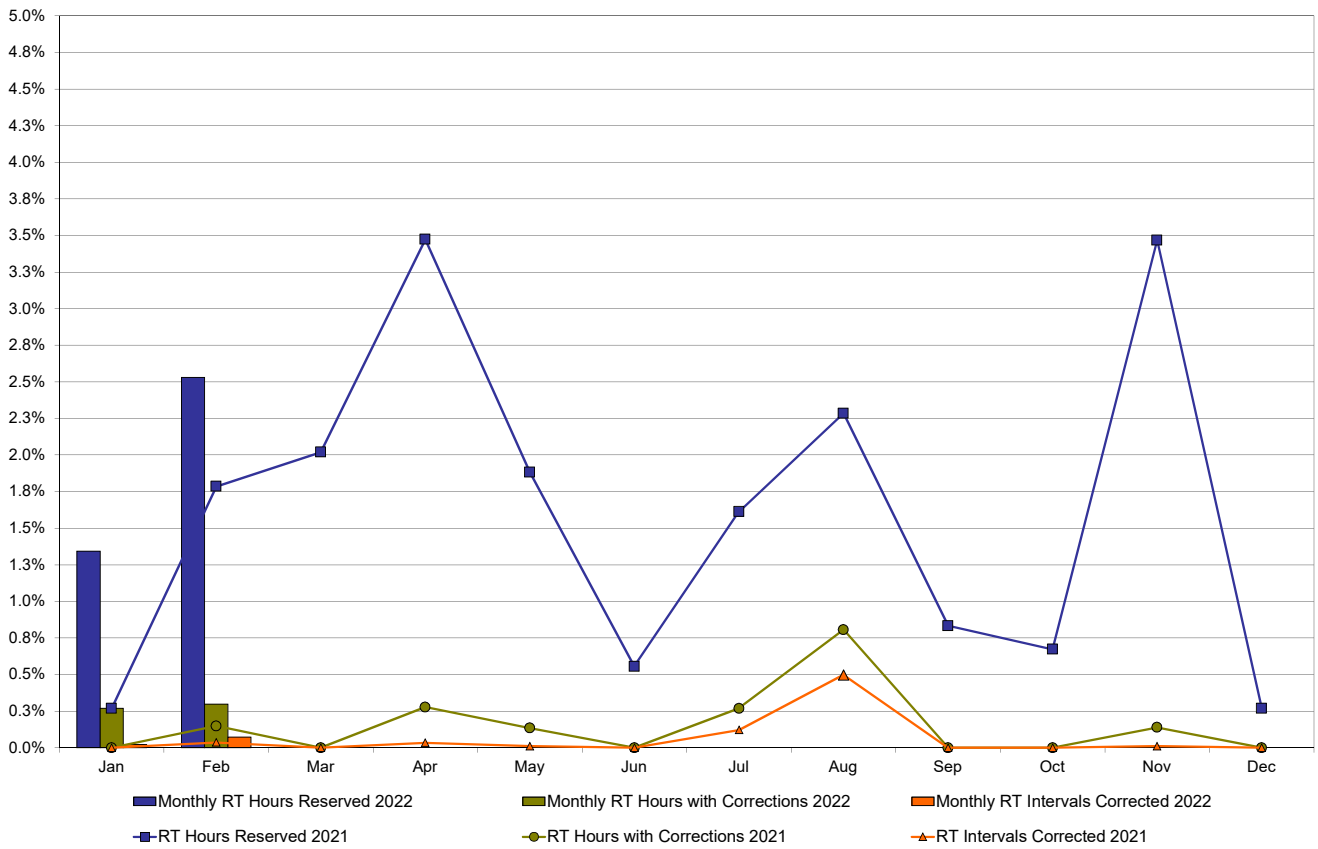


NYISO Real Time Price Correction Statistics

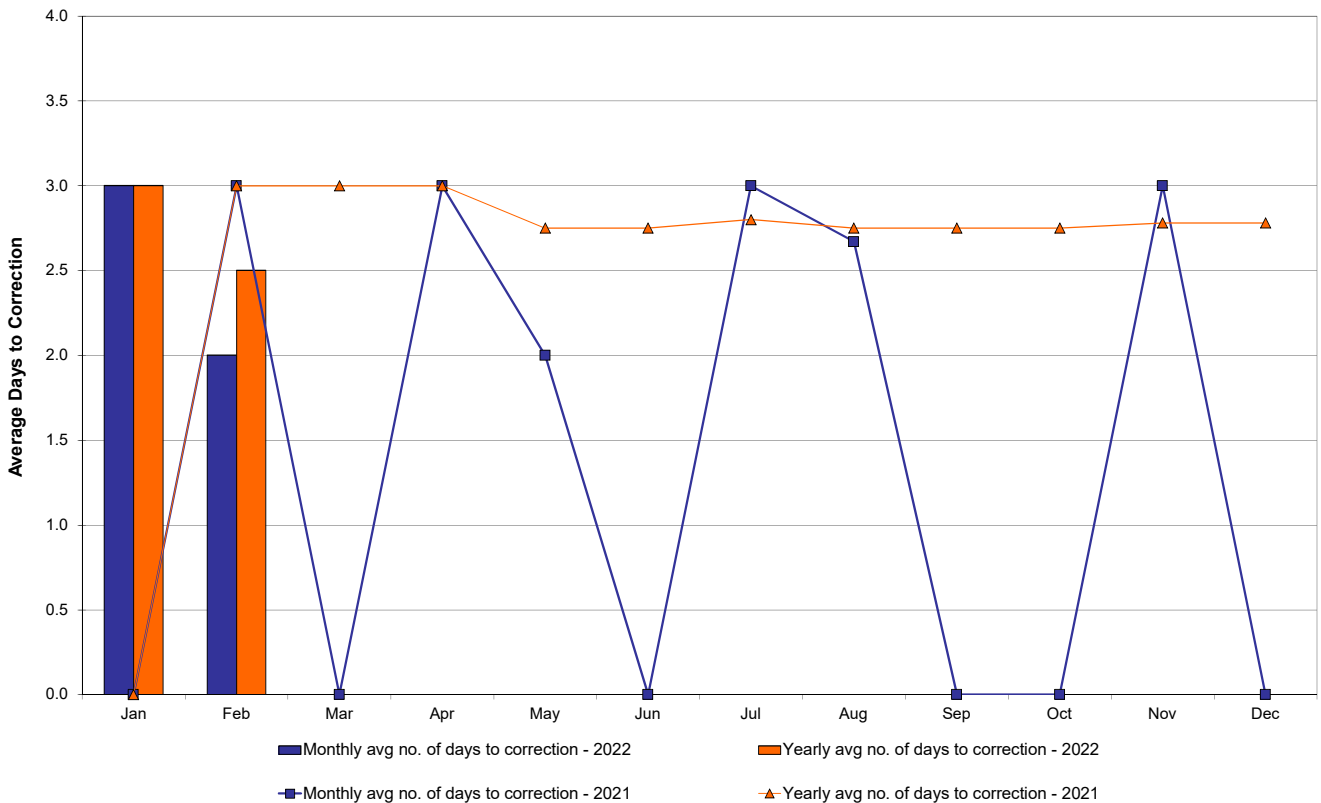
2022		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>Hour Corrections</u>													
Number of hours with corrections	in the month	2	2										
Number of hours	in the month	744	672										
% of hours with corrections	in the month	0.27%	0.30%										
% of hours with corrections	year-to-date	0.27%	0.28%										
<u>Interval Corrections</u>													
Number of intervals corrected	in the month	2	6										
Number of intervals	in the month	9,258	8,338										
% of intervals corrected	in the month	0.02%	0.07%										
% of intervals corrected	year-to-date	0.02%	0.05%										
<u>Hours Reserved</u>													
Number of hours reserved	in the month	10	17										
Number of hours	in the month	744	672										
% of hours reserved	in the month	1.34%	2.53%										
% of hours reserved	year-to-date	1.34%	1.91%										
<u>Days to Correction *</u>													
Avg. number of days to correction	in the month	3.00	2.00										
Avg. number of days to correction	year-to-date	3.00	2.50										
<u>Days Without Corrections</u>													
Days without corrections	in the month	30	27										
Days without corrections	year-to-date	30	57										
2021		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>Hour Corrections</u>													
Number of hours with corrections	in the month	0	1	0	2	1	0	2	6	0	0	1	0
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744	721	744
% of hours with corrections	in the month	0.00%	0.15%	0.00%	0.28%	0.13%	0.00%	0.27%	0.81%	0.00%	0.00%	0.14%	0.00%
% of hours with corrections	year-to-date	0.00%	0.07%	0.05%	0.10%	0.11%	0.09%	0.12%	0.21%	0.18%	0.16%	0.16%	0.15%
<u>Interval Corrections</u>													
Number of intervals corrected	in the month	0	3	0	3	1	0	11	45	0	0	1	0
Number of intervals	in the month	9,095	8,236	9,100	8,827	9,157	8,813	9,084	9,024	8,783	9,133	8,802	9,063
% of intervals corrected	in the month	0.00%	0.04%	0.00%	0.03%	0.01%	0.00%	0.12%	0.50%	0.00%	0.00%	0.01%	0.00%
% of intervals corrected	year-to-date	0.00%	0.02%	0.01%	0.02%	0.02%	0.01%	0.03%	0.09%	0.08%	0.07%	0.07%	0.06%
<u>Hours Reserved</u>													
Number of hours reserved	in the month	2	12	15	25	14	4	12	17	6	5	25	2
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744	721	744
% of hours reserved	in the month	0.27%	1.79%	2.02%	3.47%	1.88%	0.56%	1.61%	2.28%	0.83%	0.67%	3.47%	0.27%
% of hours reserved	year-to-date	0.27%	0.99%	1.34%	1.88%	1.88%	1.66%	1.65%	1.73%	1.63%	1.54%	1.71%	1.59%
<u>Days to Correction *</u>													
Avg. number of days to correction	in the month	0.00	3.00	0.00	3.00	2.00	0.00	3.00	2.67	0.00	0.00	3.00	0.00
Avg. number of days to correction	year-to-date	0.00	3.00	3.00	3.00	2.75	2.75	2.80	2.75	2.75	2.75	2.78	2.78
<u>Days Without Corrections</u>													
Days without corrections	in the month	31	27	31	28	30	30	30	28	30	31	29	31
Days without corrections	year-to-date	31	58	89	117	147	177	207	235	265	296	325	356

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

Percentage of Real-Time Corrections



Annual average time period for making Price Corrections (from reservation date) *



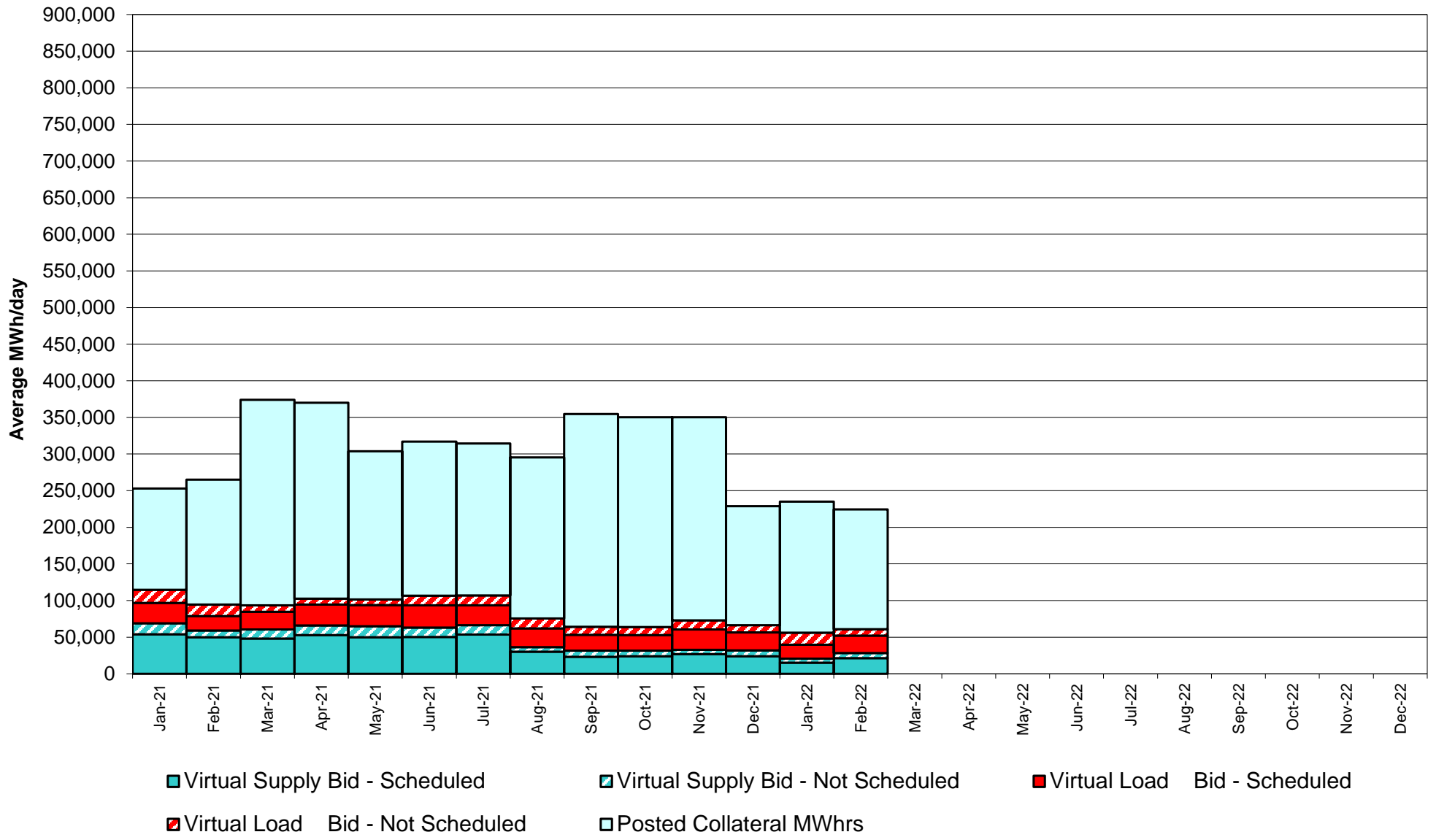
*Calendar days from reservation date; for June 2018 forward, business days from market date

Market Mitigation and Analysis
Prepared: 3/8/2022 12:52 PM

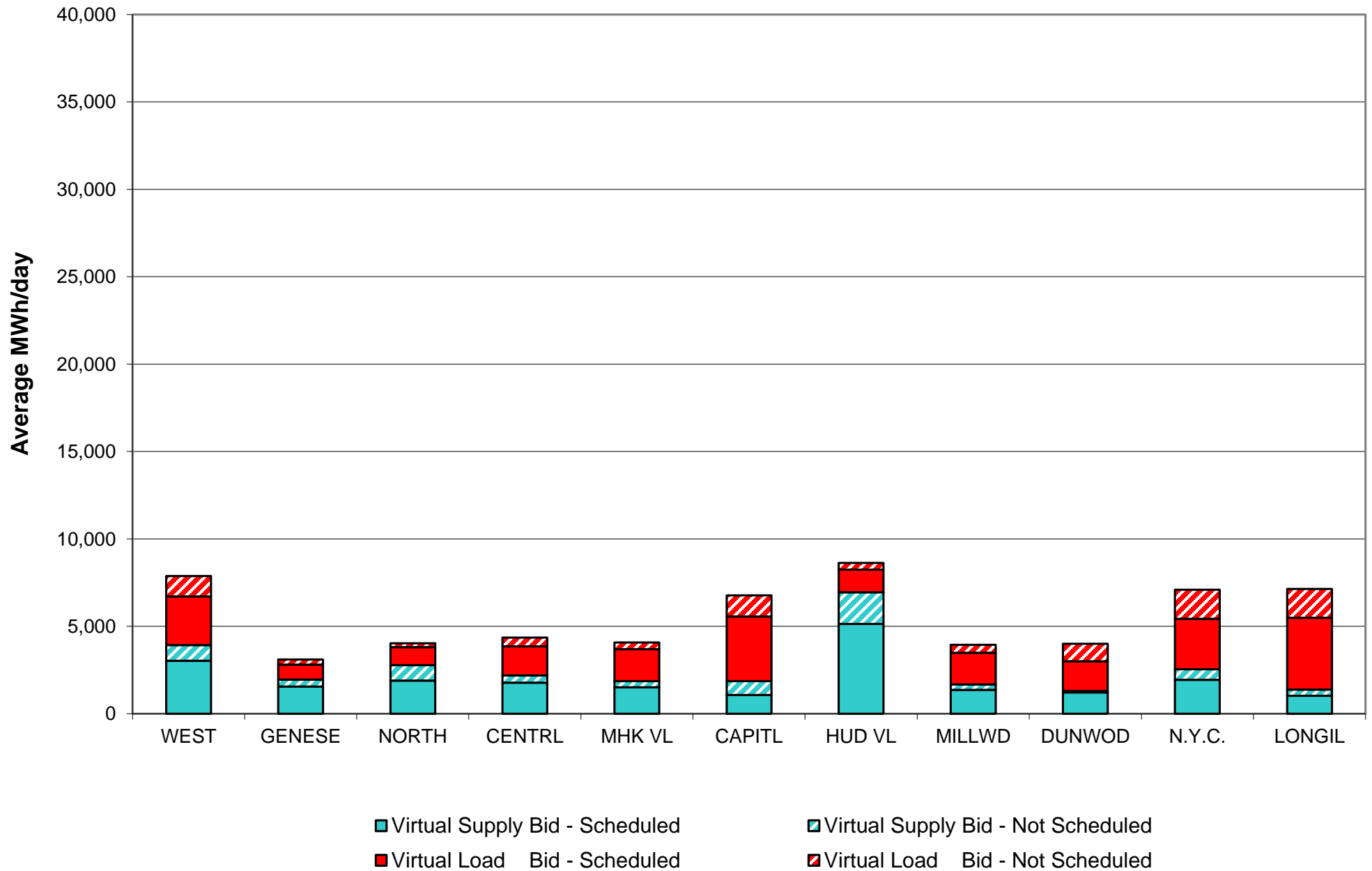
Y

May/June 2017 Hours Reserved data
has been updated for the July 2017
Monthly Market Operations Report.

NYISO Virtual Trading Average MWh per day



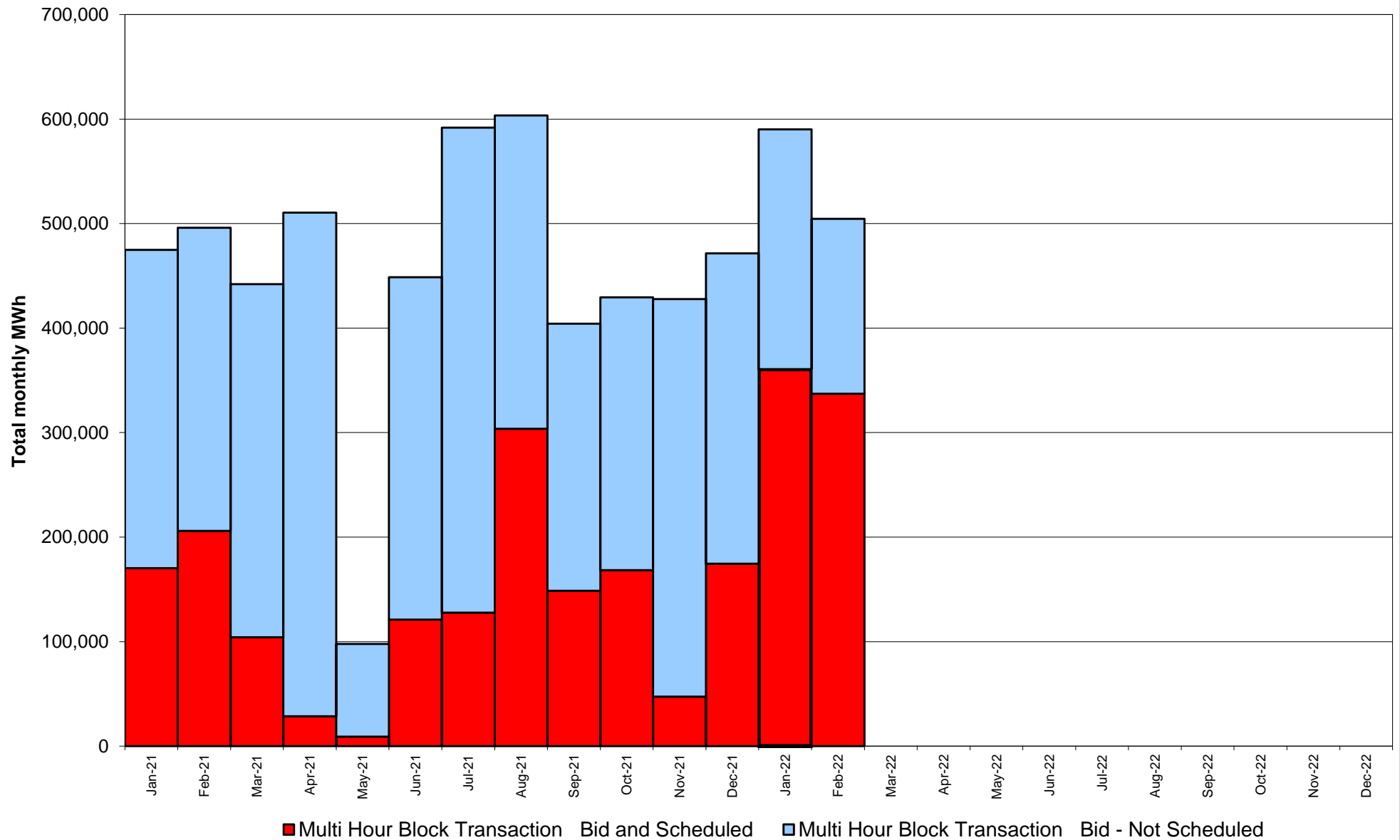
Virtual Load and Supply Zonal Statistics through February 28, 2022



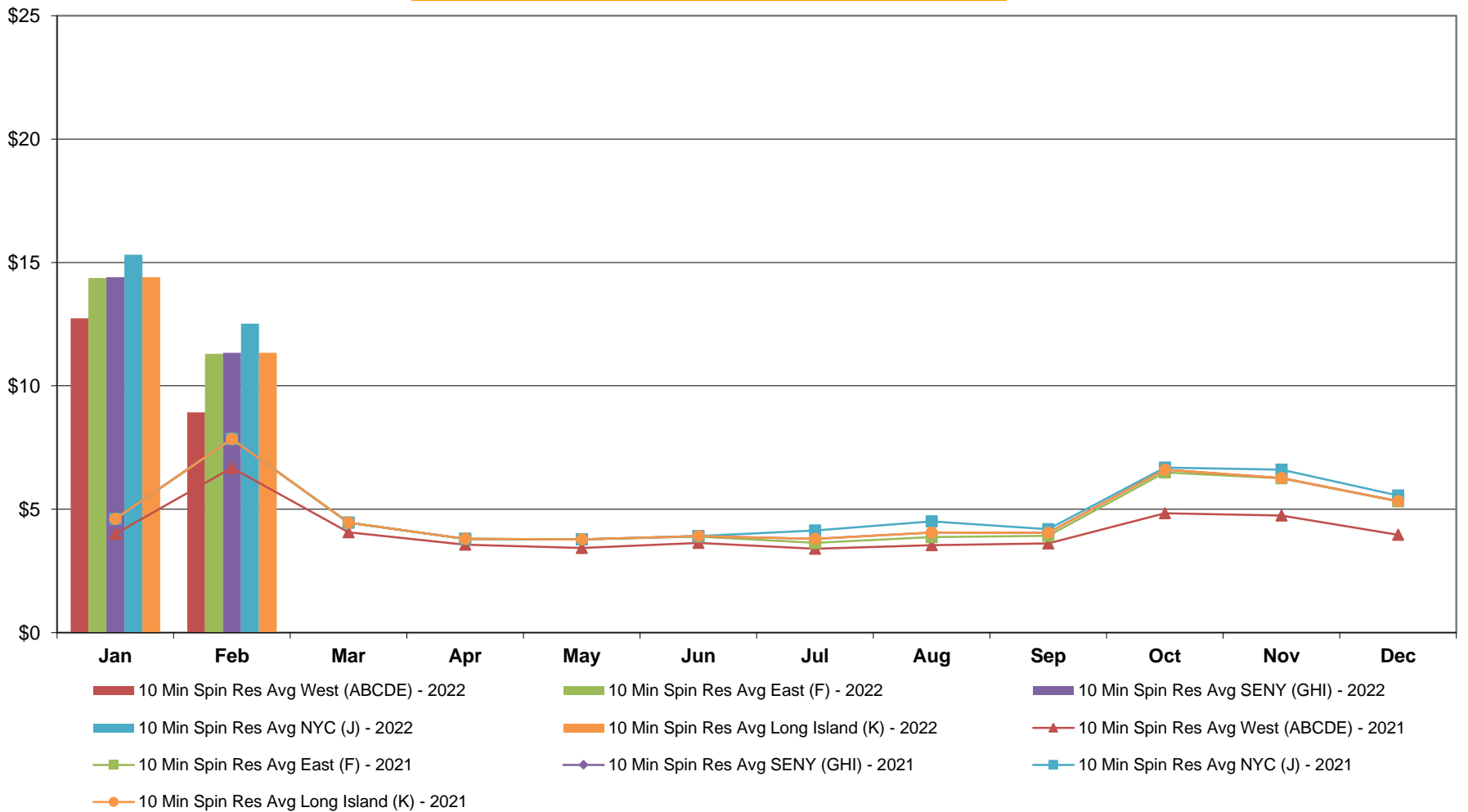
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2022

		Virtual Load Bid		Virtual Supply Bid				Virtual Load Bid		Virtual Supply Bid				Virtual Load Bid		Virtual Supply Bid			
Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled		Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled		Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled
WEST	Jan-22	2,754	1,900	2,076	1,276		MHK VL	Jan-22	722	621	1,245	204		DUNWOD	Jan-22	1,376	1,851	652	54
	Feb-22	2,773	1,170	3,027	908			Feb-22	1,830	386	1,518	349			Feb-22	1,696	1,004	1,218	86
	Mar-22							Mar-22							Mar-22				
	Apr-22							Apr-22							Apr-22				
	May-22							May-22							May-22				
	Jun-22							Jun-22							Jun-22				
	Jul-22							Jul-22							Jul-22				
	Aug-22							Aug-22							Aug-22				
	Sep-22							Sep-22							Sep-22				
	Oct-22							Oct-22							Oct-22				
	Nov-22							Nov-22							Nov-22				
	Dec-22							Dec-22							Dec-22				
	GENESE	Jan-22	722	464	1,058	319			CAPITL	Jan-22	2,536	2,157	749		695		N.Y.C.	Jan-22	2,341
Feb-22		853	293	1,560	395		Feb-22	3,700		1,211	1,075	785		Feb-22	2,889	1,668		1,938	607
Mar-22							Mar-22							Mar-22					
Apr-22							Apr-22							Apr-22					
May-22							May-22							May-22					
Jun-22							Jun-22							Jun-22					
Jul-22							Jul-22							Jul-22					
Aug-22							Aug-22							Aug-22					
Sep-22							Sep-22							Sep-22					
Oct-22							Oct-22							Oct-22					
Nov-22							Nov-22							Nov-22					
Dec-22							Dec-22							Dec-22					
NORTH		Jan-22	938	469	1,778	643		HUD VL		Jan-22	1,062	1,130	3,738	1,083		LONGIL		Jan-22	4,217
	Feb-22	1,019	231	1,899	887		Feb-22		1,288	390	5,143	1,806		Feb-22	4,110		1,658	1,021	355
	Mar-22						Mar-22							Mar-22					
	Apr-22						Apr-22							Apr-22					
	May-22						May-22							May-22					
	Jun-22						Jun-22							Jun-22					
	Jul-22						Jul-22							Jul-22					
	Aug-22						Aug-22							Aug-22					
	Sep-22						Sep-22							Sep-22					
	Oct-22						Oct-22							Oct-22					
	Nov-22						Nov-22							Nov-22					
	Dec-22						Dec-22							Dec-22					
	CENTRL	Jan-22	1,317	1,284	1,104	364			MILLWD	Jan-22	1,104	654	867	262			NYISO	Jan-22	19,089
Feb-22		1,665	499	1,780	409		Feb-22	1,805		462	1,367	312		Feb-22	23,629	8,972		21,545	6,898
Mar-22							Mar-22							Mar-22					
Apr-22							Apr-22							Apr-22					
May-22							May-22							May-22					
Jun-22							Jun-22							Jun-22					
Jul-22							Jul-22							Jul-22					
Aug-22							Aug-22							Aug-22					
Sep-22							Sep-22							Sep-22					
Oct-22							Oct-22							Oct-22					
Nov-22							Nov-22							Nov-22					
Dec-22							Dec-22							Dec-22					

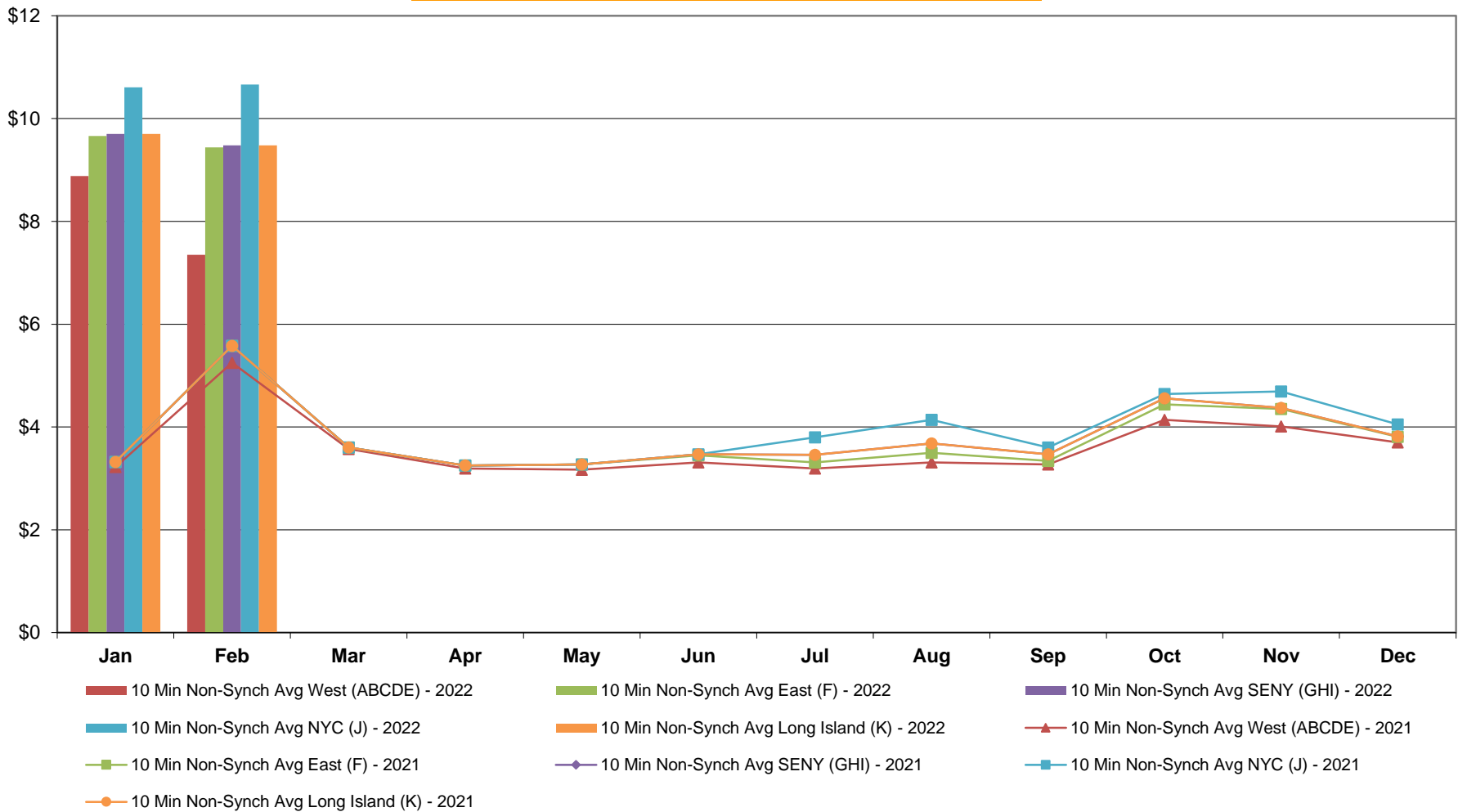
NYISO Multi Hour Block Transactions Monthly Total MWh



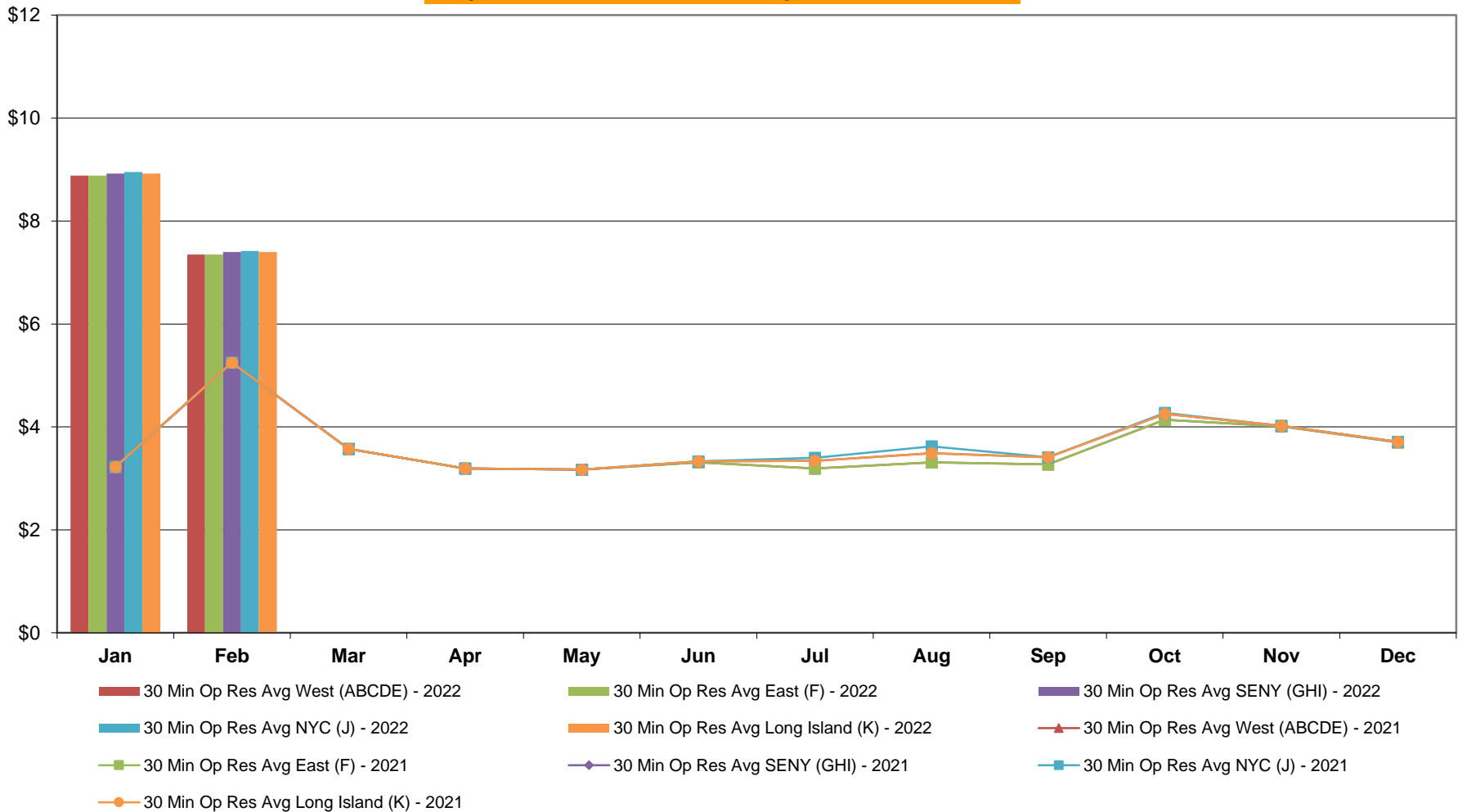
**NYISO Monthly Average Ancillary Service Prices
Day Ahead Market - 10 Min Spin 2021 - 2022**



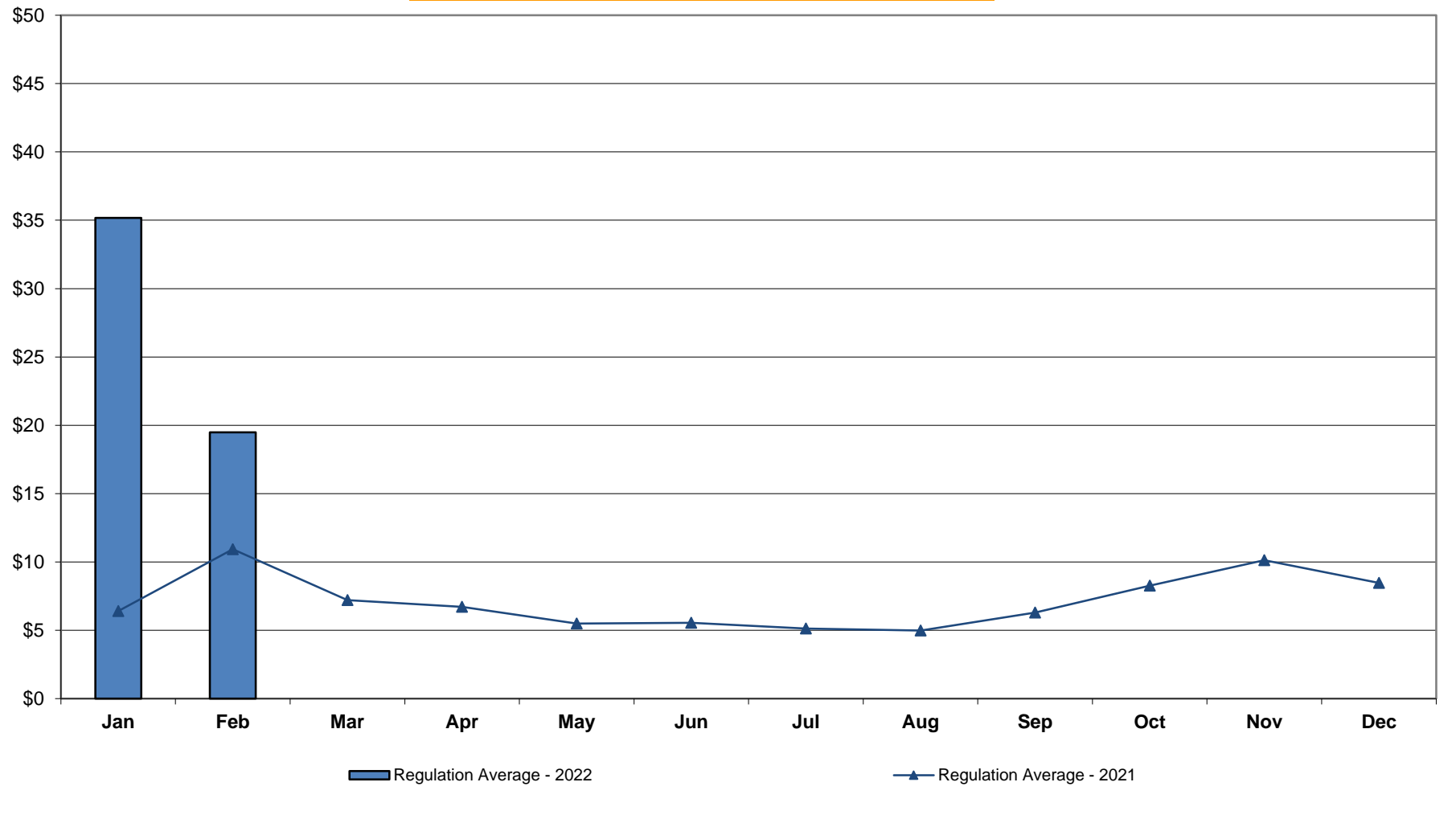
**NYISO Monthly Average Ancillary Service Prices
Day Ahead Market - 10 Min Non-Synch 2021 - 2022**



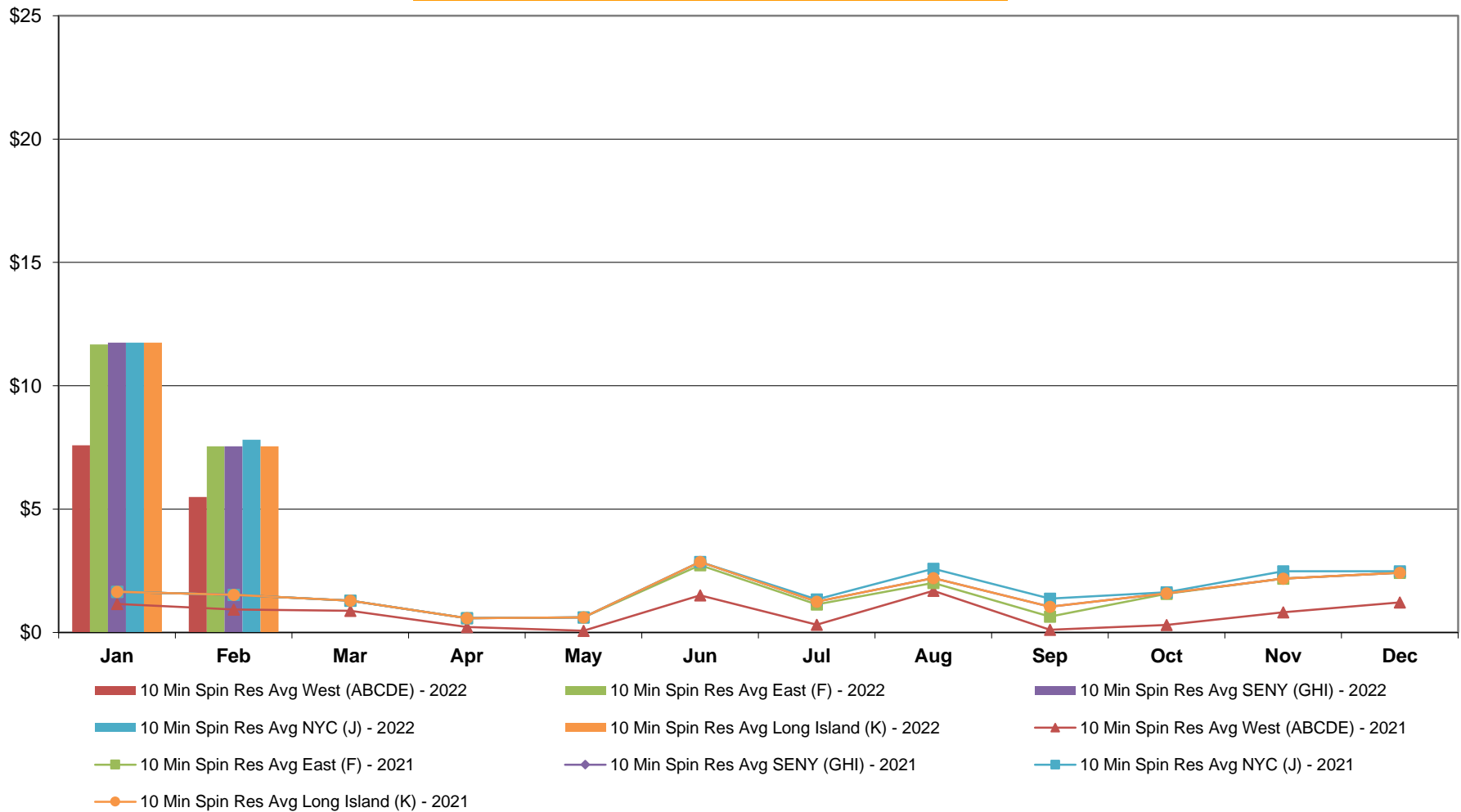
**NYISO Monthly Average Ancillary Service Prices
Day Ahead Market - 30 Min Op Res 2021 - 2022**



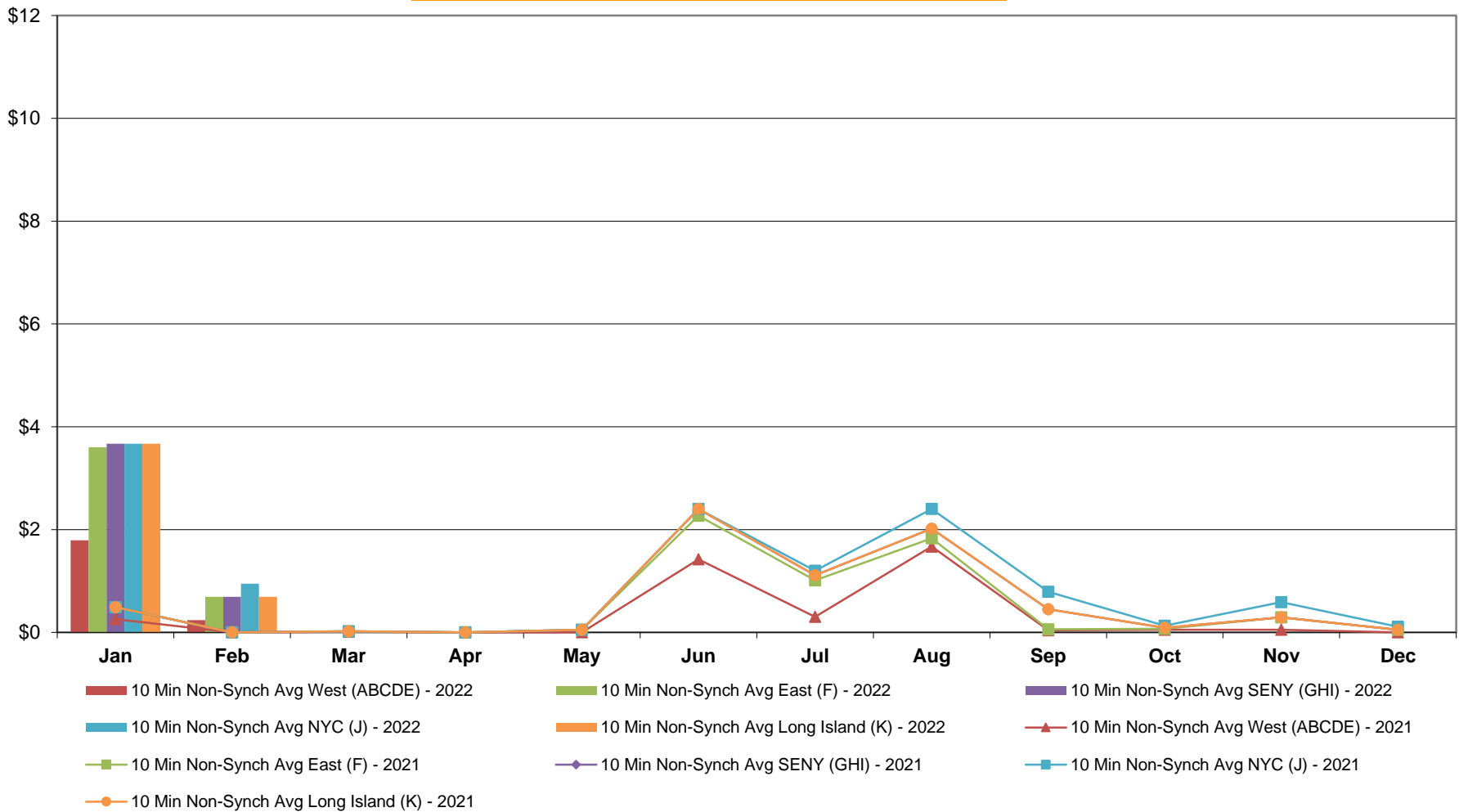
**NYISO Monthly Average Ancillary Service Prices
Day Ahead Market - Regulation 2021 - 2022**



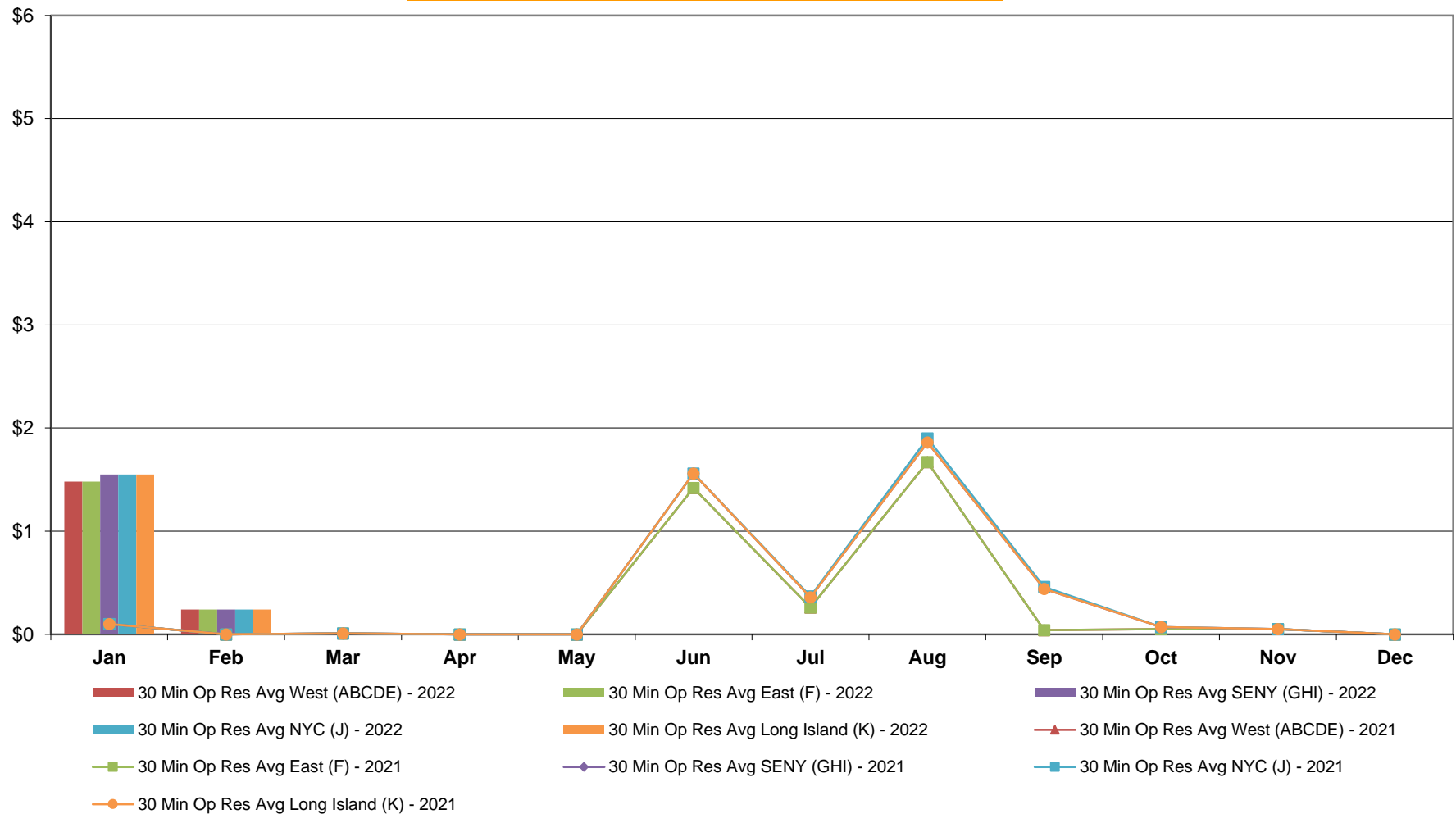
NYISO Monthly Average Ancillary Service Prices RTC Market - 10 Min Spin 2021 - 2022



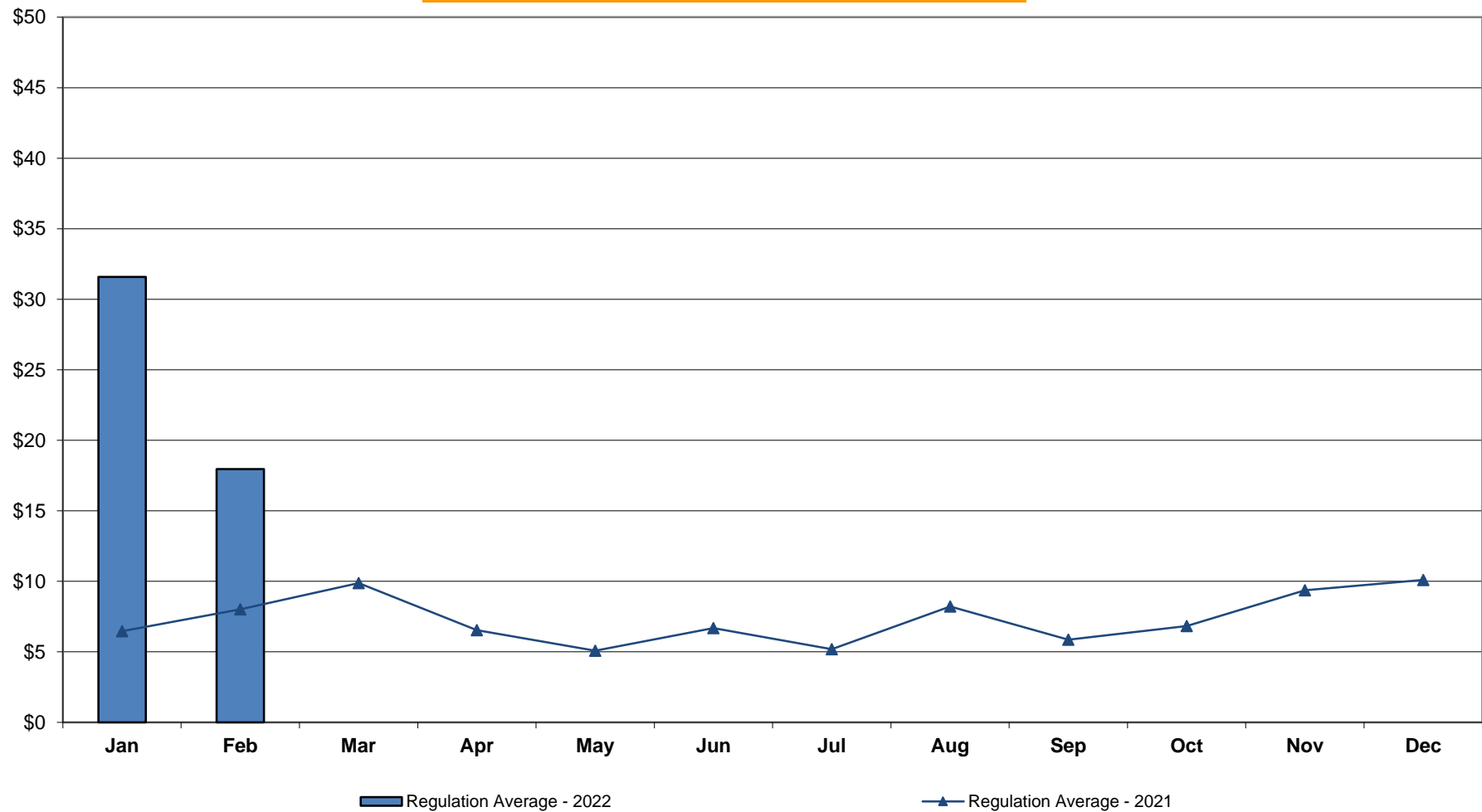
**NYISO Monthly Average Ancillary Service Prices
RTC Market - 10 Min Non-Synch 2021 - 2022**



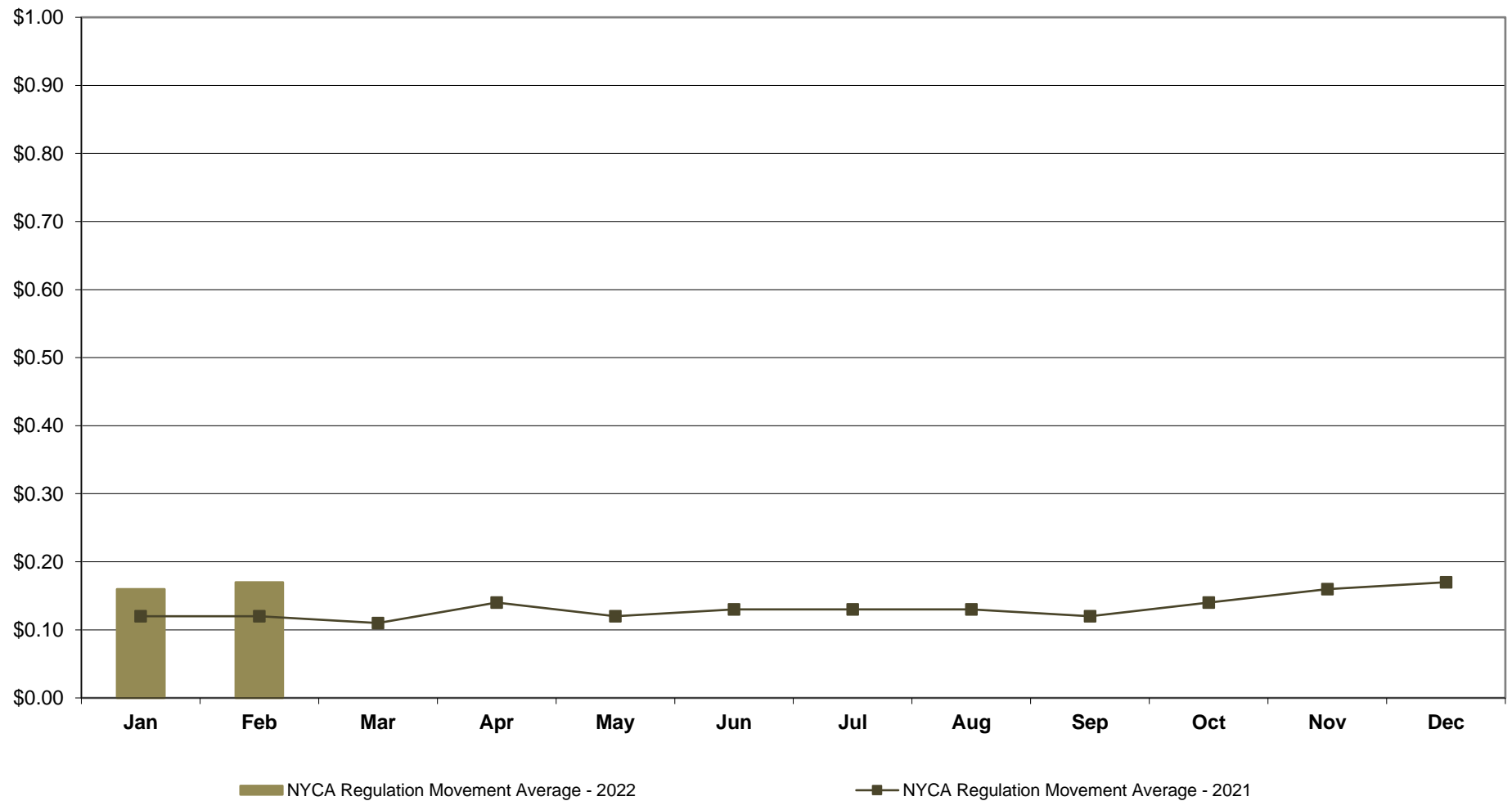
NYISO Monthly Average Ancillary Service Prices RTC Market - 30 Min Op Res 2021 - 2022



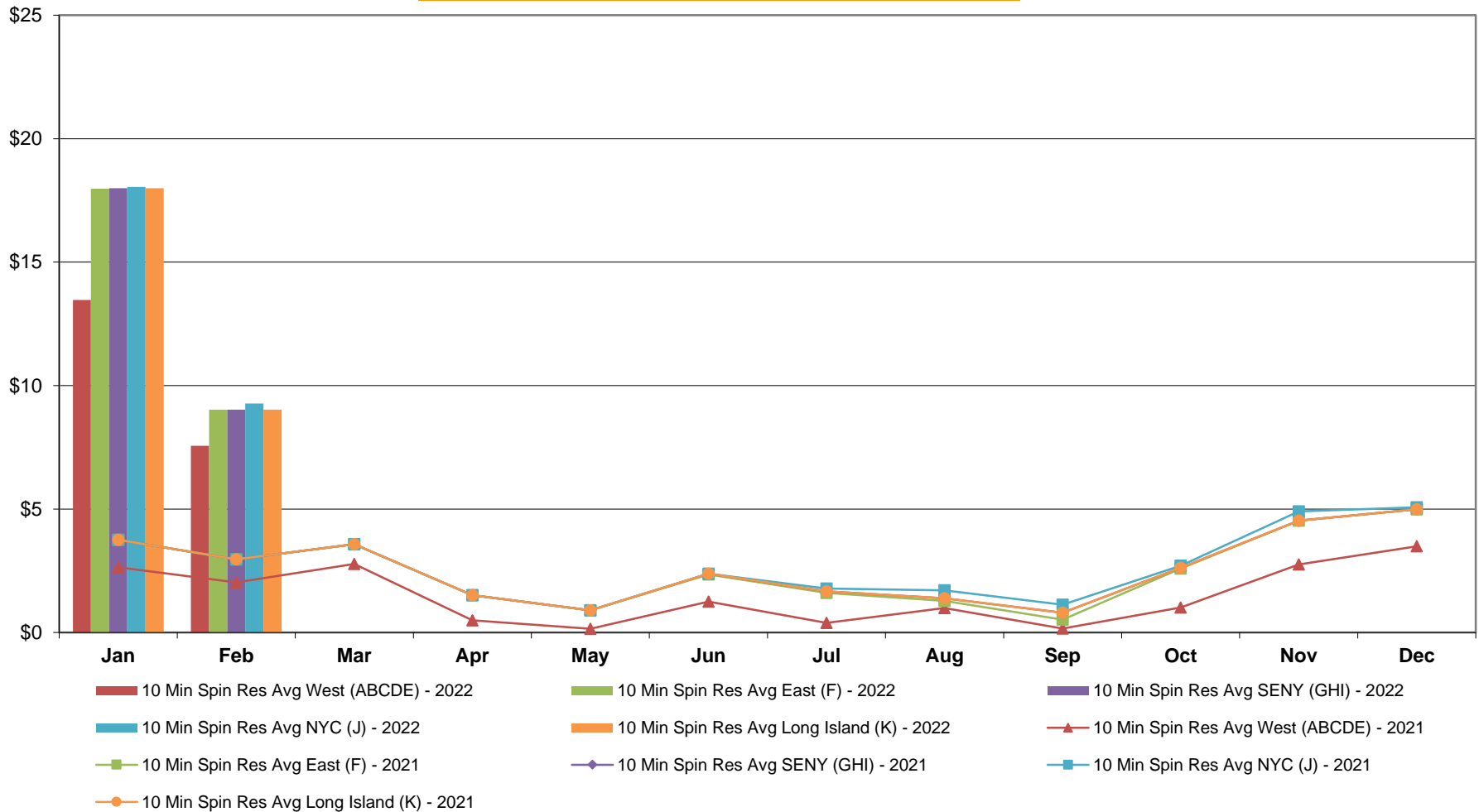
**NYISO Monthly Average Ancillary Service Prices
RTC Market - Regulation 2021 - 2022**



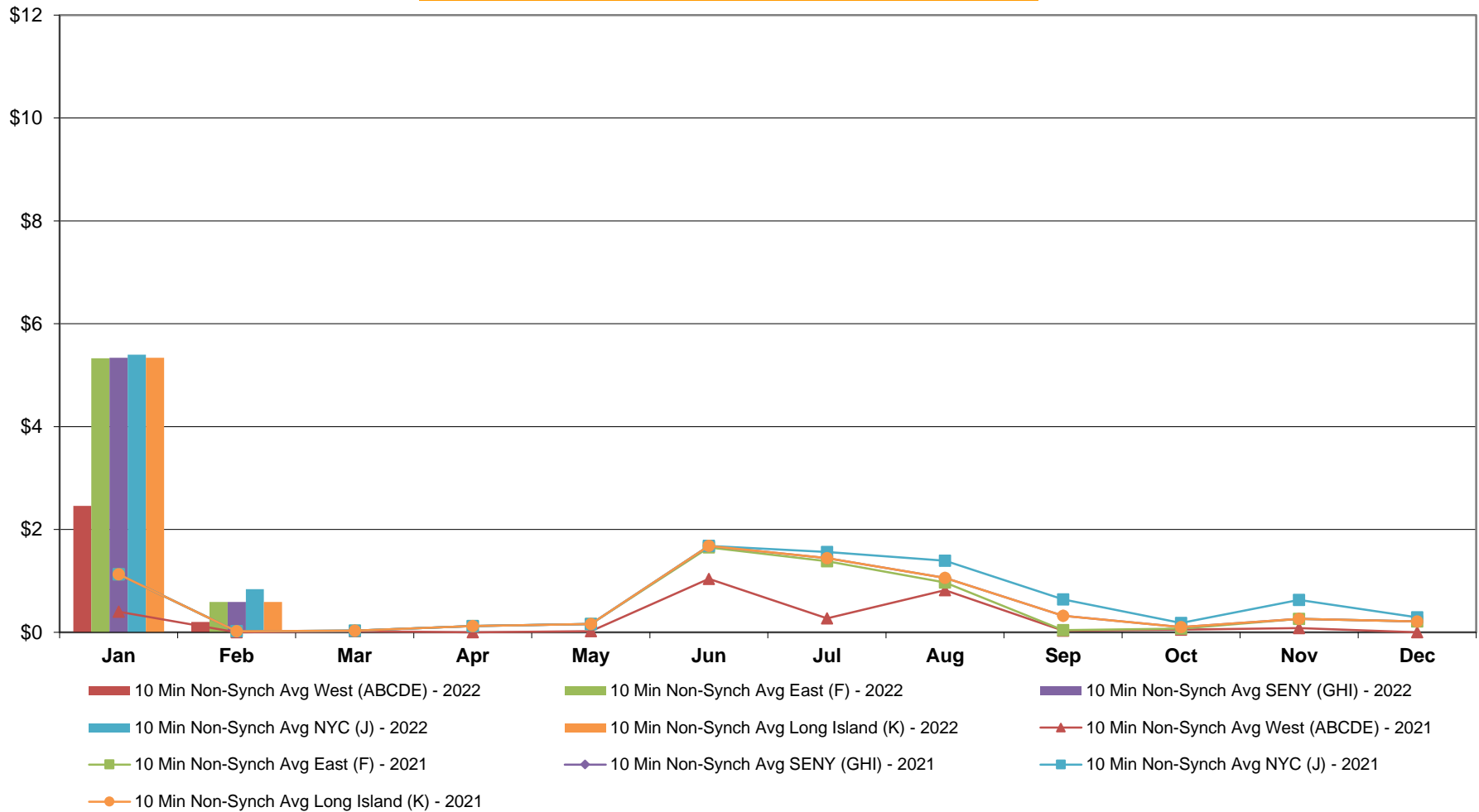
NYISO Monthly Average Ancillary Service Prices RTC Market - Regulation Movement 2021 - 2022



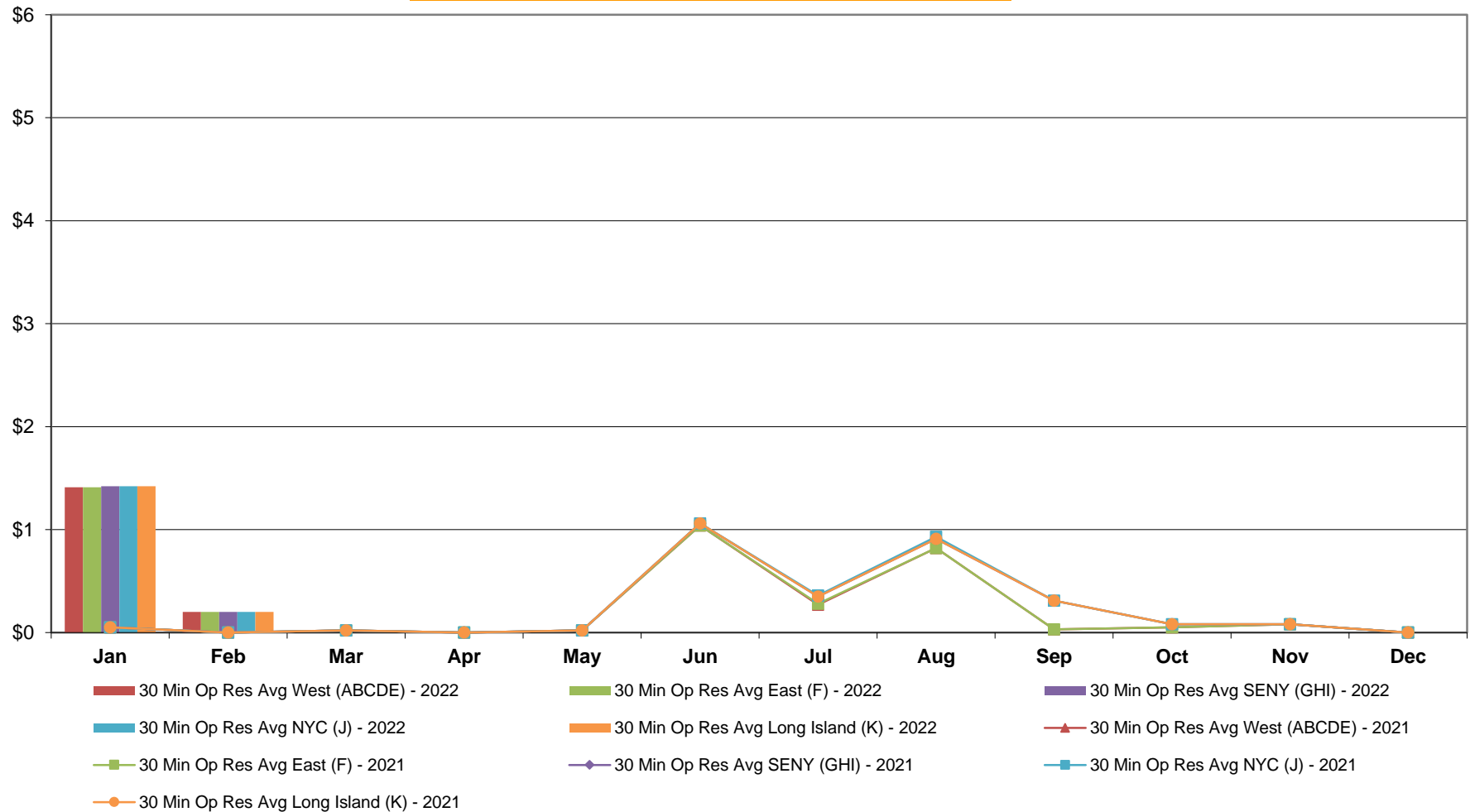
**NYISO Monthly Average Ancillary Service Prices
Real Time Market - 10 Min Spin 2021 - 2022**



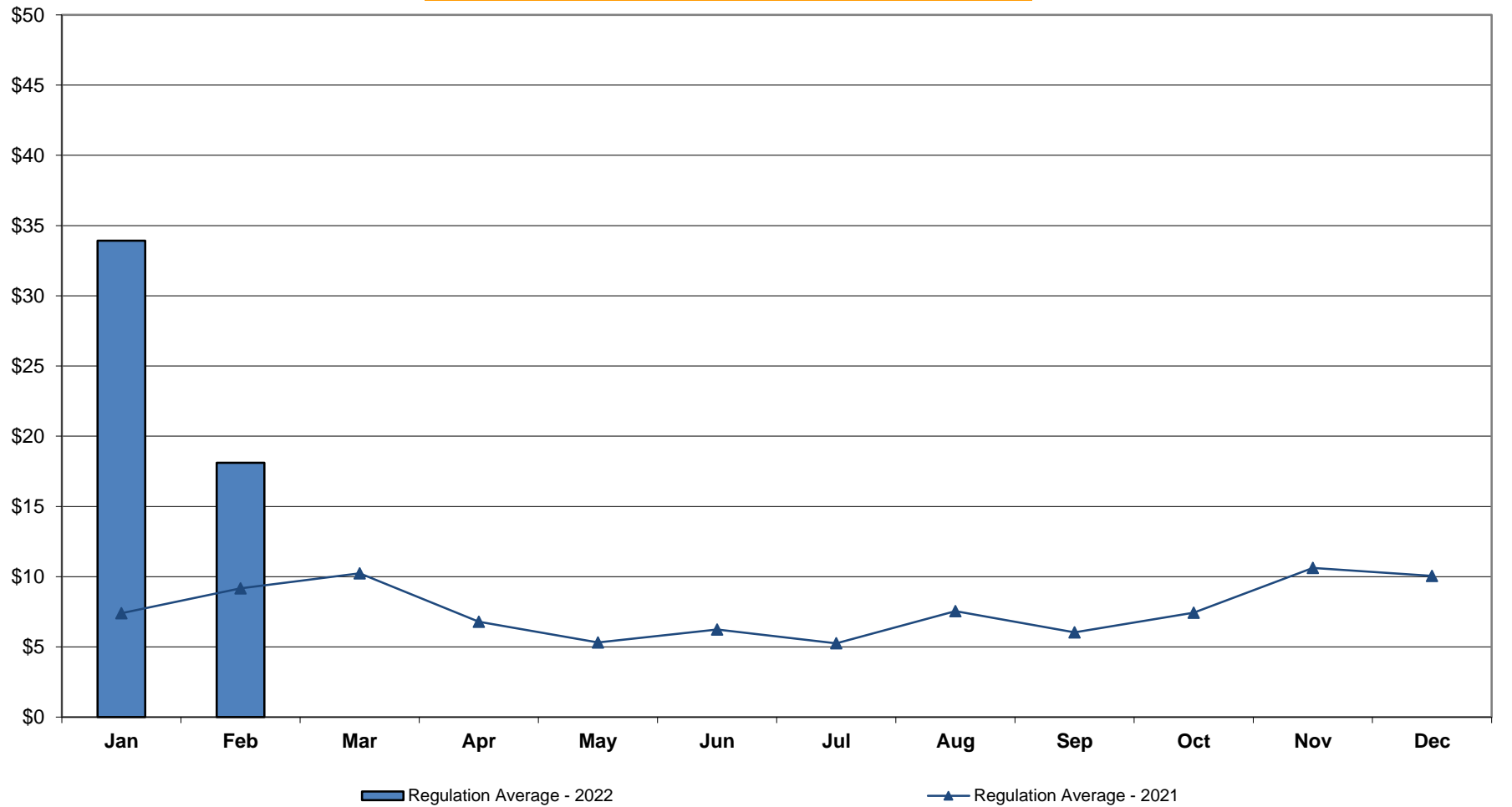
NYISO Monthly Average Ancillary Service Prices Real Time Market - 10 Min Non-Synch 2021 - 2022



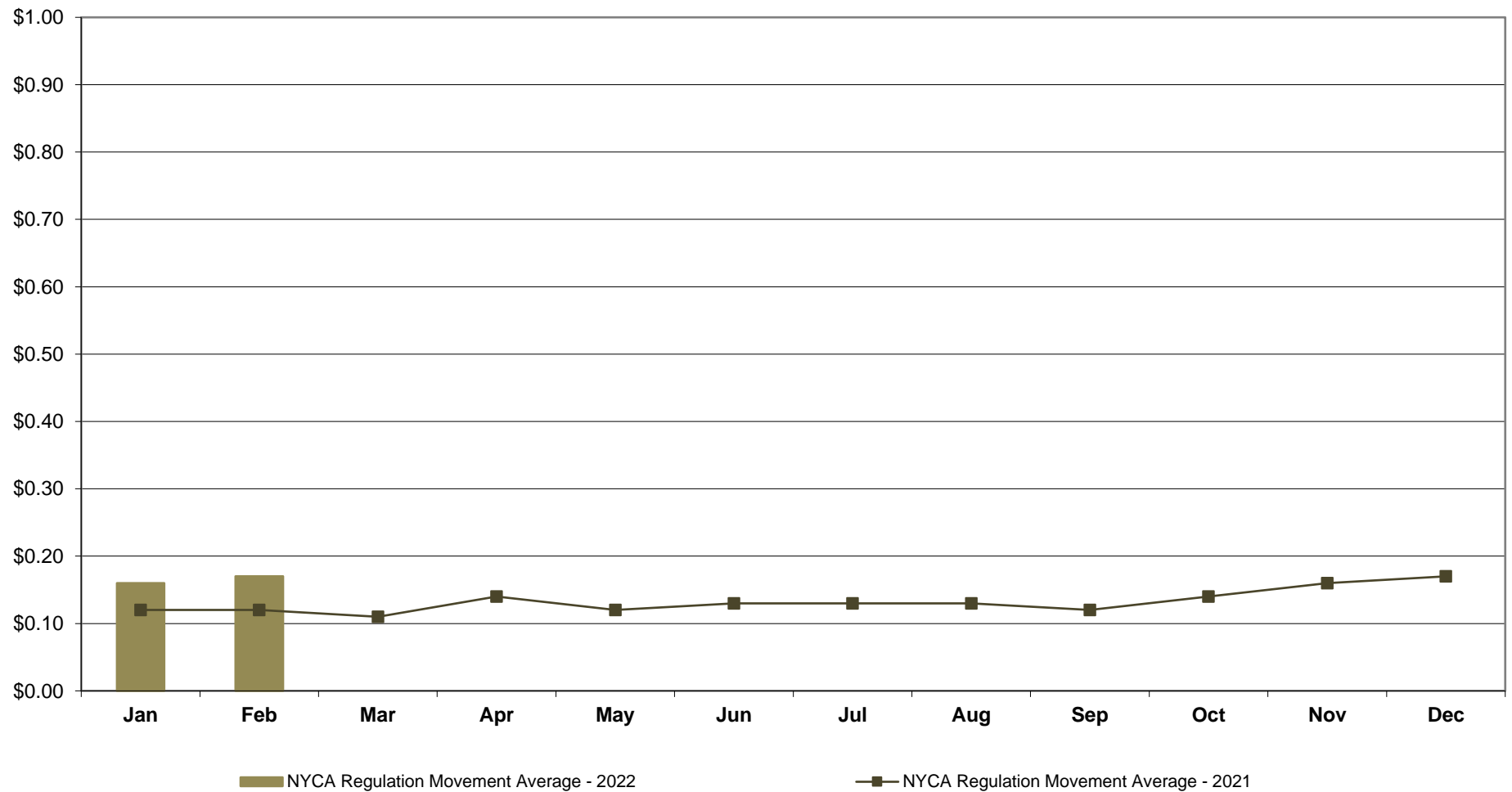
NYISO Monthly Average Ancillary Service Prices Real Time Market - 30 Min Op Res 2021 - 2022



**NYISO Monthly Average Ancillary Service Prices
Real Time Market - Regulation 2021 - 2022**



NYISO Monthly Average Ancillary Service Prices Real Time Market - Regulation Movement 2021 - 2022



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

<u>2022</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>Day Ahead Market</u>												
10 Min Spin Long Island (K)	14.40	11.34										
10 Min Spin NYC (J)	15.32	12.52										
10 Min Spin SENY (GHI)	14.40	11.34										
10 Min Spin East (F)	14.37	11.30										
10 Min Spin West (ABCDE)	12.74	8.93										
10 Min Non Synch Long Island (K)	9.70	9.48										
10 Min Non Synch NYC (J)	10.61	10.66										
10 Min Non Synch SENY (GHI)	9.70	9.48										
10 Min Non Synch East (F)	9.66	9.44										
10 Min Non Synch West (ABCDE)	8.88	7.35										
30 Min Long Island (K)	8.92	7.40										
30 Min NYC (J)	8.95	7.42										
30 Min SENY (GHI)	8.92	7.40										
30 Min East (F)	8.88	7.35										
30 Min West (ABCDE)	8.88	7.35										
Regulation	35.17	19.48										
<u>2021</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>Day Ahead Market</u>												
10 Min Spin Long Island (K)	4.61	7.85	4.46	3.80	3.78	3.91	3.80	4.06	4.05	6.61	6.27	5.33
10 Min Spin NYC (J)	4.68	8.01	4.46	3.81	3.80	4.38	4.14	4.51	4.19	6.69	6.60	5.56
10 Min Spin SENY (GHI)	4.61	7.85	4.46	3.80	3.78	3.91	3.80	4.06	4.05	6.61	6.27	5.33
10 Min Spin East (F)	4.61	7.85	4.46	3.80	3.78	3.89	3.64	3.87	3.92	6.49	6.26	5.32
10 Min Spin West (ABCDE)	4.01	6.68	4.07	3.56	3.43	3.64	3.40	3.54	3.62	4.84	4.75	3.97
10 Min Non Synch Long Island (K)	3.32	5.58	3.60	3.25	3.27	3.47	3.46	3.68	3.47	4.56	4.37	3.82
10 Min Non Synch NYC (J)	3.40	5.74	3.60	3.26	3.30	3.93	3.80	4.14	3.60	4.64	4.69	4.05
10 Min Non Synch SENY (GHI)	3.32	5.58	3.60	3.25	3.27	3.47	3.46	3.68	3.47	4.56	4.37	3.82
10 Min Non Synch East (F)	3.32	5.58	3.60	3.25	3.27	3.45	3.31	3.50	3.34	4.44	4.35	3.81
10 Min Non Synch West (ABCDE)	3.22	5.25	3.57	3.19	3.17	3.31	3.19	3.31	3.27	4.14	4.01	3.70
30 Min Long Island (K)	3.22	5.25	3.57	3.19	3.17	3.33	3.34	3.49	3.41	4.25	4.02	3.71
30 Min NYC (J)	3.23	5.25	3.57	3.19	3.18	3.53	3.40	3.62	3.41	4.27	4.02	3.71
30 Min SENY (GHI)	3.22	5.25	3.57	3.19	3.17	3.33	3.34	3.49	3.41	4.25	4.02	3.71
30 Min East (F)	3.22	5.25	3.57	3.19	3.17	3.31	3.19	3.31	3.27	4.14	4.01	3.70
30 Min West (ABCDE)	3.22	5.25	3.57	3.19	3.17	3.31	3.19	3.31	3.27	4.14	4.01	3.70
Regulation	6.40	10.93	7.21	6.72	5.50	5.55	5.13	4.98	6.29	8.27	10.13	8.47

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

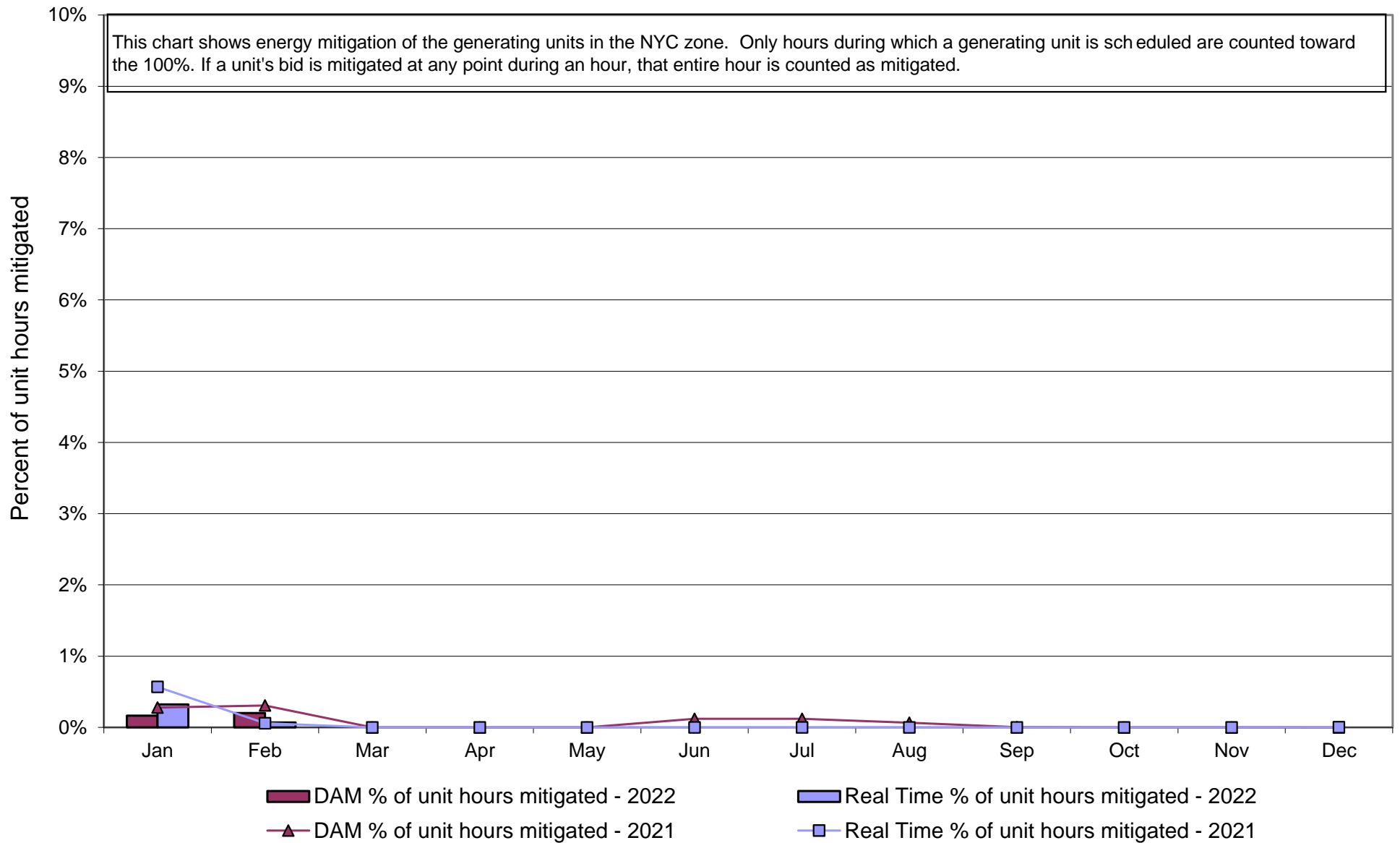
<u>2022</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>RTC Market</u>												
10 Min Spin Long Island (K)	11.75	7.55										
10 Min Spin NYC (J)	11.75	7.81										
10 Min Spin SENY (GHI)	11.75	7.55										
10 Min Spin East (F)	11.68	7.55										
10 Min Spin West (ABCDE)	7.59	5.49										
10 Min Non Synch Long Island (K)	3.67	0.69										
10 Min Non Synch NYC (J)	3.67	0.95										
10 Min Non Synch SENY (GHI)	3.67	0.69										
10 Min Non Synch East (F)	3.60	0.69										
10 Min Non Synch West (ABCDE)	1.79	0.24										
30 Min Long Island (K)	1.55	0.24										
30 Min NYC (J)	1.55	0.24										
30 Min SENY (GHI)	1.55	0.24										
30 Min East (F)	1.48	0.24										
30 Min West (ABCDE)	1.48	0.24										
Regulation	31.59	17.95										
NYCA Regulation Movement	0.16	0.17										
<u>2021</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>RTC Market</u>												
10 Min Spin Long Island (K)	1.65	1.53	1.29	0.58	0.61	2.86	1.25	2.21	1.04	1.59	2.18	2.42
10 Min Spin NYC (J)	1.65	1.53	1.29	0.58	0.91	4.26	1.34	2.59	1.37	1.63	2.48	2.48
10 Min Spin SENY (GHI)	1.65	1.53	1.29	0.58	0.61	2.86	1.25	2.21	1.04	1.59	2.18	2.42
10 Min Spin East (F)	1.65	1.53	1.29	0.58	0.61	2.73	1.14	2.01	0.64	1.57	2.18	2.42
10 Min Spin West (ABCDE)	1.16	0.93	0.88	0.22	0.07	1.51	0.32	1.69	0.11	0.30	0.82	1.22
10 Min Non Synch Long Island (K)	0.49	0.00	0.02	0.00	0.05	2.40	1.11	2.02	0.45	0.09	0.29	0.05
10 Min Non Synch NYC (J)	0.49	0.00	0.02	0.00	0.35	3.80	1.20	2.40	0.79	0.13	0.59	0.11
10 Min Non Synch SENY (GHI)	0.49	0.00	0.02	0.00	0.05	2.40	1.11	2.02	0.45	0.09	0.29	0.05
10 Min Non Synch East (F)	0.49	0.00	0.02	0.00	0.05	2.27	1.01	1.83	0.06	0.07	0.29	0.05
10 Min Non Synch West (ABCDE)	0.26	0.00	0.01	0.00	0.00	1.42	0.30	1.67	0.04	0.05	0.05	0.00
30 Min Long Island (K)	0.10	0.00	0.01	0.00	0.00	1.56	0.36	1.86	0.44	0.07	0.05	0.00
30 Min NYC (J)	0.10	0.00	0.01	0.00	0.12	2.34	0.37	1.90	0.46	0.07	0.05	0.00
30 Min SENY (GHI)	0.10	0.00	0.01	0.00	0.00	1.56	0.36	1.86	0.44	0.07	0.05	0.00
30 Min East (F)	0.10	0.00	0.01	0.00	0.00	1.42	0.26	1.67	0.04	0.05	0.05	0.00
30 Min West (ABCDE)	0.10	0.00	0.01	0.00	0.00	1.42	0.26	1.67	0.04	0.05	0.05	0.00
Regulation	6.46	8.02	9.88	6.54	5.08	6.69	5.18	8.22	5.86	6.83	9.37	10.10
NYCA Regulation Movement	0.12	0.12	0.11	0.14	0.12	0.13	0.13	0.13	0.12	0.14	0.16	0.17

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

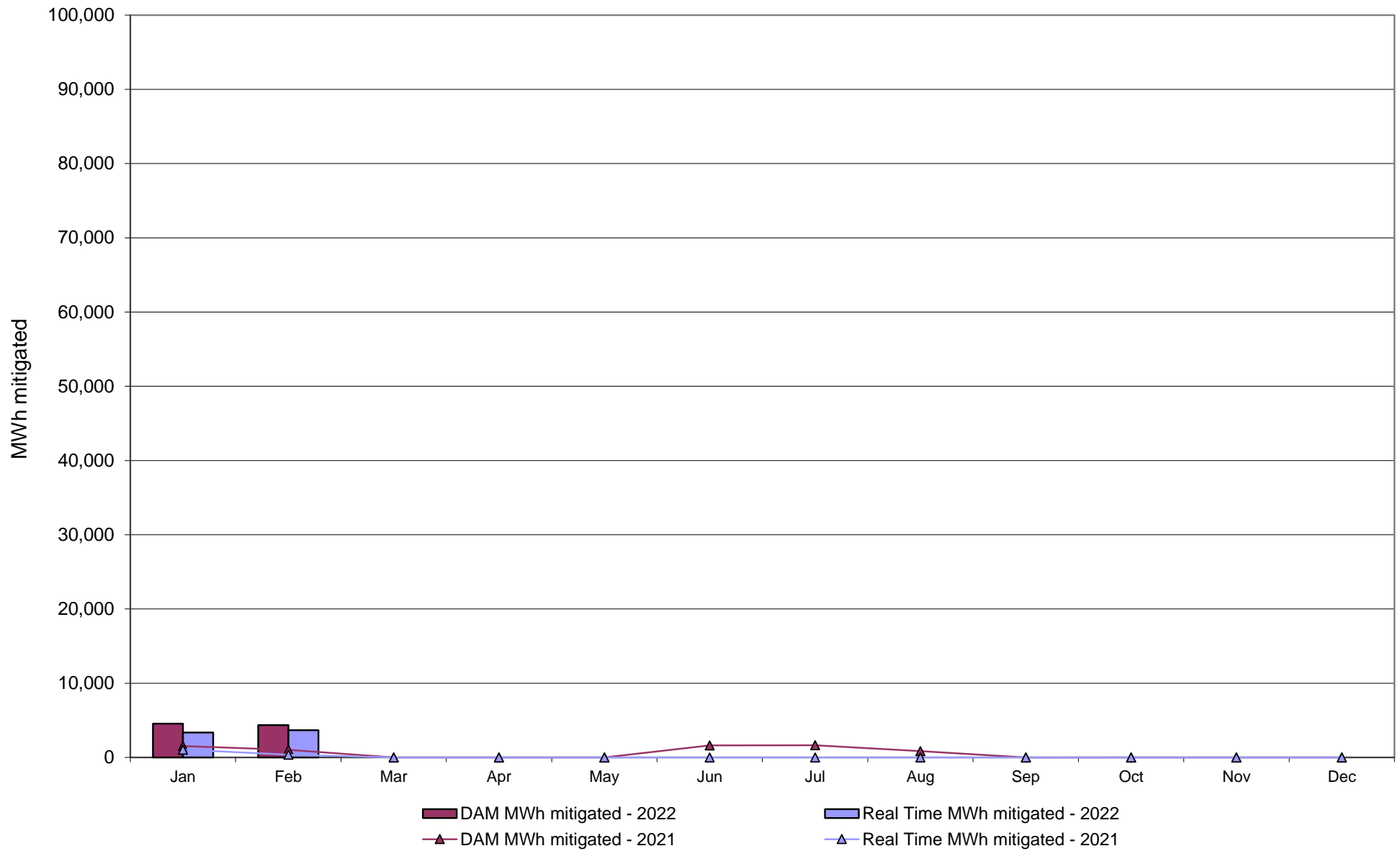
<u>2022</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>Real Time Market</u>												
10 Min Spin Long Island (K)	17.99	9.02										
10 Min Spin NYC (J)	18.04	9.27										
10 Min Spin SENY (GHI)	17.99	9.02										
10 Min Spin East (F)	17.97	9.02										
10 Min Spin West (ABCDE)	13.47	7.56										
10 Min Non Synch Long Island (K)	5.34	0.59										
10 Min Non Synch NYC (J)	5.40	0.84										
10 Min Non Synch SENY (GHI)	5.34	0.59										
10 Min Non Synch East (F)	5.33	0.59										
10 Min Non Synch West (ABCDE)	2.46	0.20										
30 Min Long Island (K)	1.42	0.20										
30 Min NYC (J)	1.42	0.20										
30 Min SENY (GHI)	1.42	0.20										
30 Min East (F)	1.41	0.20										
30 Min West (ABCDE)	1.41	0.20										
Regulation	33.92	18.10										
NYCA Regulation Movement	0.16	0.17										
<u>2021</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>Real Time Market</u>												
10 Min Spin Long Island (K)	3.75	2.96	3.57	1.51	0.90	2.38	1.67	1.38	0.80	2.62	4.53	4.99
10 Min Spin NYC (J)	3.75	2.96	3.57	1.51	1.16	3.77	1.78	1.71	1.13	2.70	4.90	5.07
10 Min Spin SENY (GHI)	3.75	2.96	3.57	1.51	0.90	2.38	1.67	1.38	0.80	2.62	4.53	4.99
10 Min Spin East (F)	3.75	2.96	3.57	1.51	0.90	2.35	1.60	1.28	0.52	2.59	4.53	4.99
10 Min Spin West (ABCDE)	2.64	2.03	2.78	0.49	0.15	1.25	0.39	0.99	0.16	1.01	2.75	3.49
10 Min Non Synch Long Island (K)	1.13	0.02	0.03	0.12	0.16	1.68	1.44	1.06	0.32	0.10	0.26	0.21
10 Min Non Synch NYC (J)	1.13	0.02	0.03	0.12	0.42	3.07	1.56	1.39	0.64	0.18	0.63	0.29
10 Min Non Synch SENY (GHI)	1.13	0.02	0.03	0.12	0.16	1.68	1.44	1.06	0.32	0.10	0.26	0.21
10 Min Non Synch East (F)	1.13	0.02	0.03	0.12	0.16	1.65	1.38	0.97	0.04	0.07	0.26	0.21
10 Min Non Synch West (ABCDE)	0.40	0.00	0.02	0.00	0.02	1.04	0.27	0.82	0.03	0.05	0.08	0.00
30 Min Long Island (K)	0.05	0.00	0.02	0.00	0.02	1.06	0.35	0.91	0.31	0.08	0.08	0.00
30 Min NYC (J)	0.05	0.00	0.02	0.00	0.12	1.84	0.36	0.93	0.31	0.08	0.08	0.00
30 Min SENY (GHI)	0.05	0.00	0.02	0.00	0.02	1.06	0.35	0.91	0.31	0.08	0.08	0.00
30 Min East (F)	0.05	0.00	0.02	0.00	0.02	1.04	0.28	0.82	0.03	0.05	0.08	0.00
30 Min West (ABCDE)	0.05	0.00	0.02	0.00	0.02	1.04	0.27	0.82	0.03	0.05	0.08	0.00
Regulation	7.39	9.17	10.23	6.78	5.31	6.24	5.25	7.54	6.03	7.43	10.62	10.05
NYCA Regulation Movement	0.12	0.12	0.11	0.14	0.12	0.13	0.13	0.13	0.12	0.14	0.16	0.17

NYISO In City Energy Mitigation - AMP (NYC Zone) 2021 - 2022

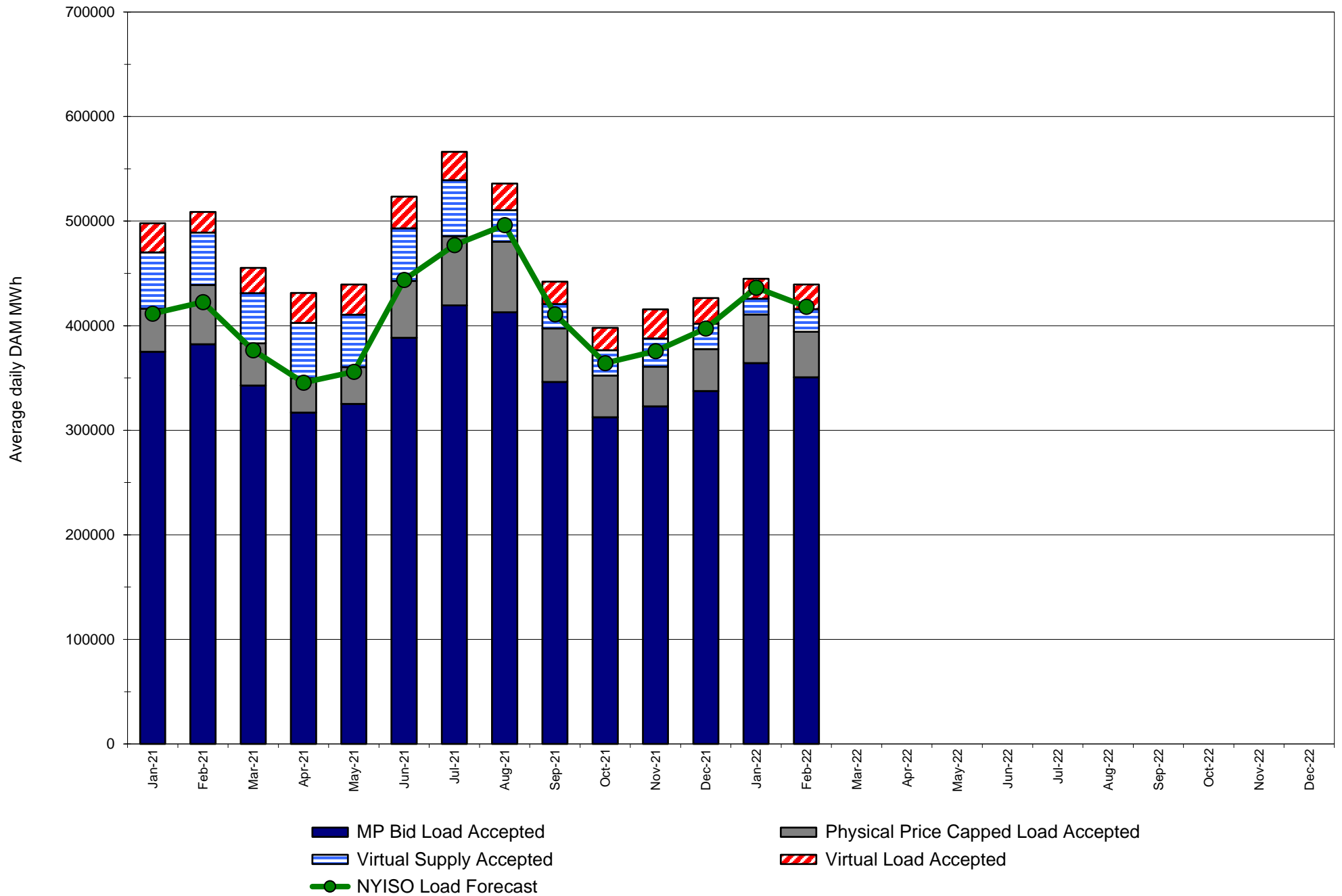
Percentage of committed unit-hours mitigated



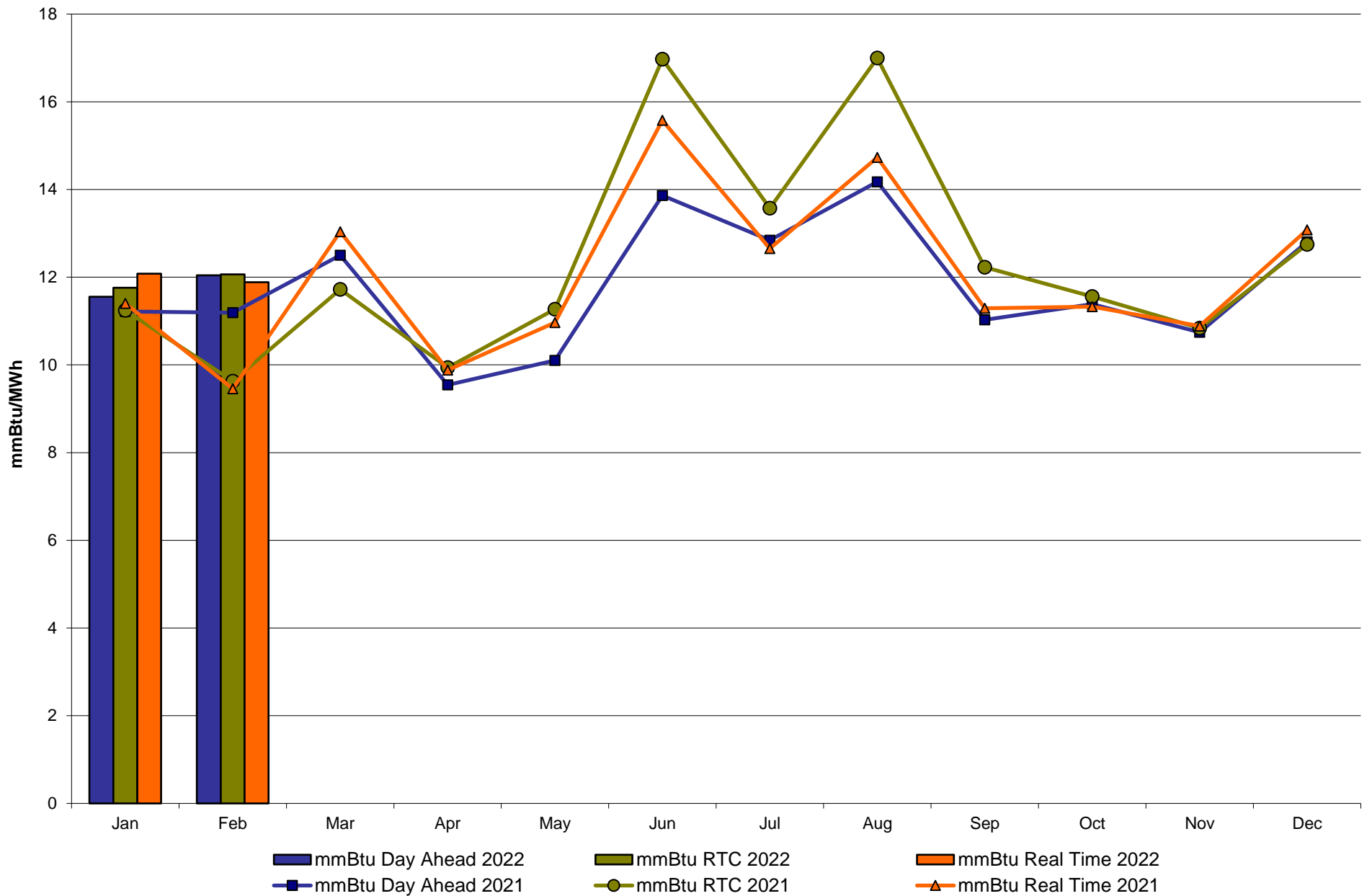
NYISO In City Energy Mitigation (NYC Zone) 2021 - 2022
Monthly megawatt hours mitigated



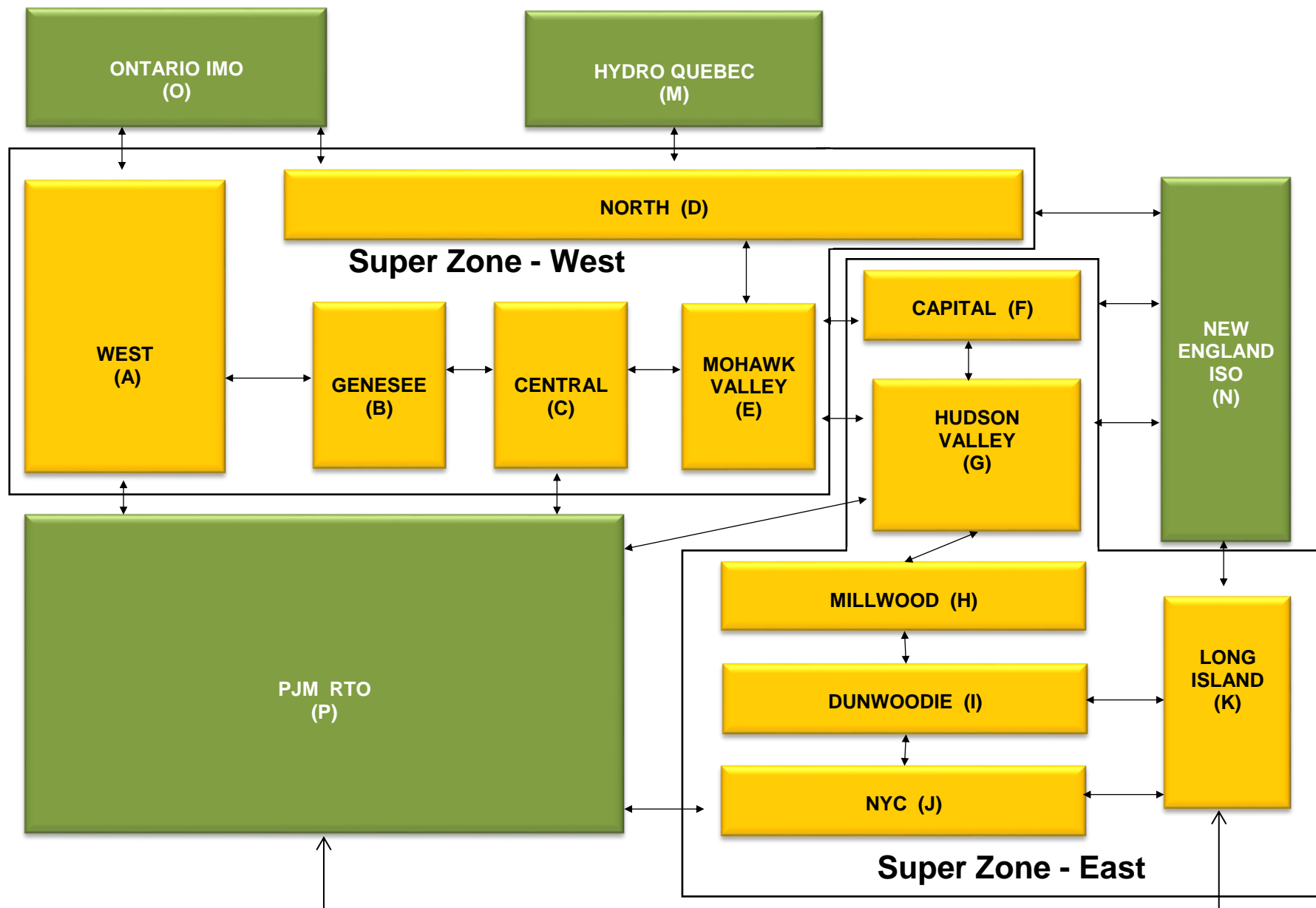
NYISO Average Daily DAM Load Bid Summary



Monthly Implied Heat Rate 2021-2022



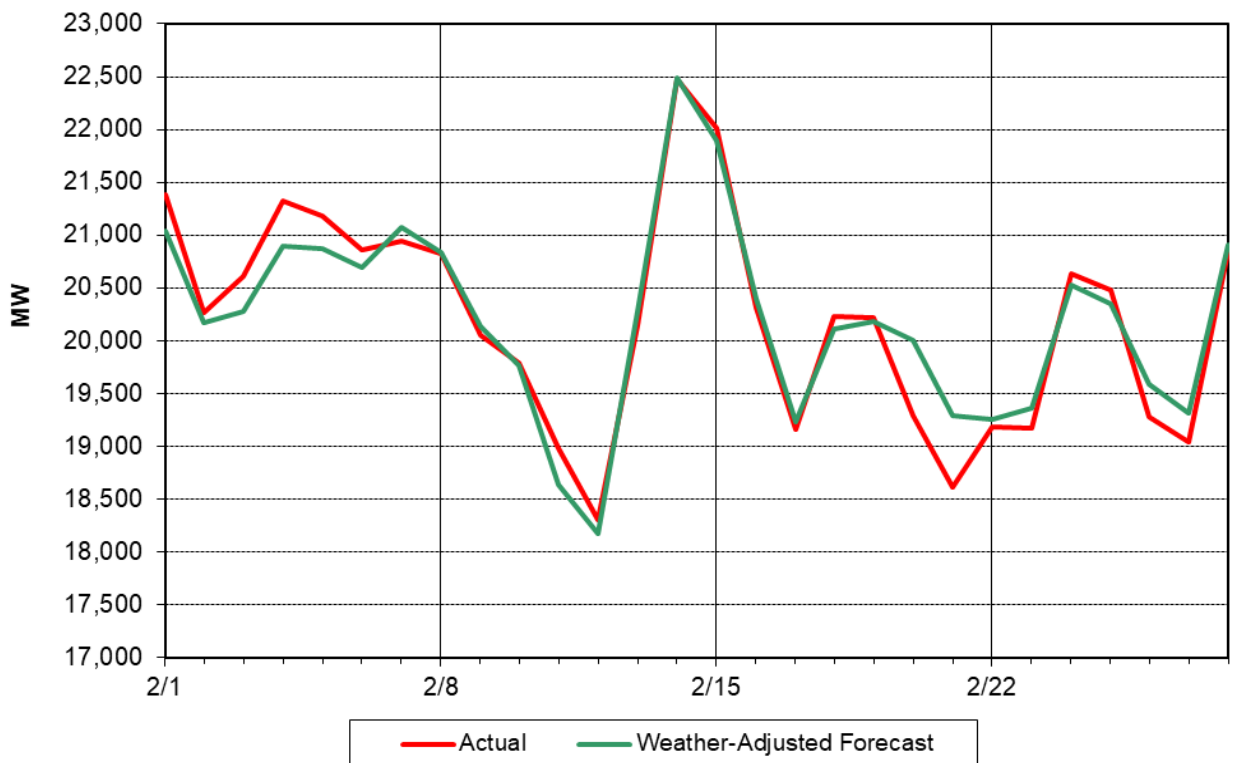
NYISO LBMP ZONES



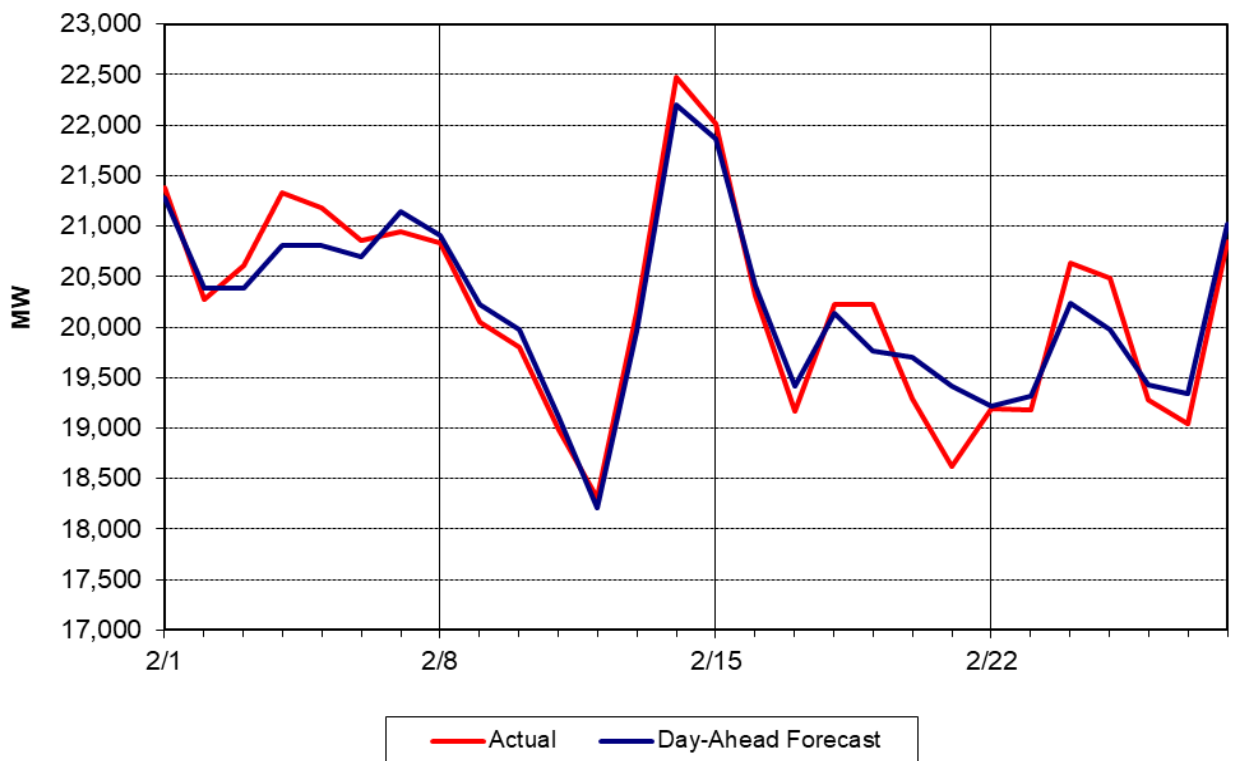
Billing Codes for Chart C

<u>Chart - C Category Name</u>	<u>Billing Code</u>	<u>Billing Category Name</u>
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

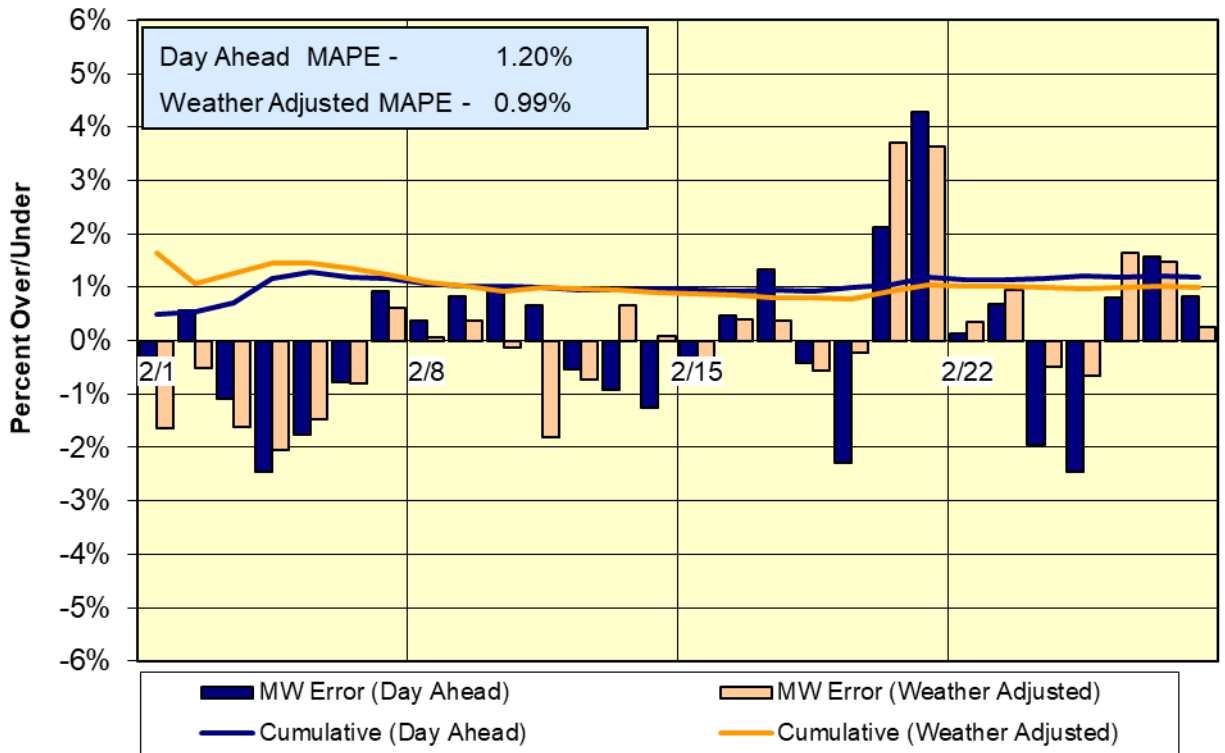
NYISO Daily Peak Load - February 2022
Actual vs. Weather-Adjusted Forecast



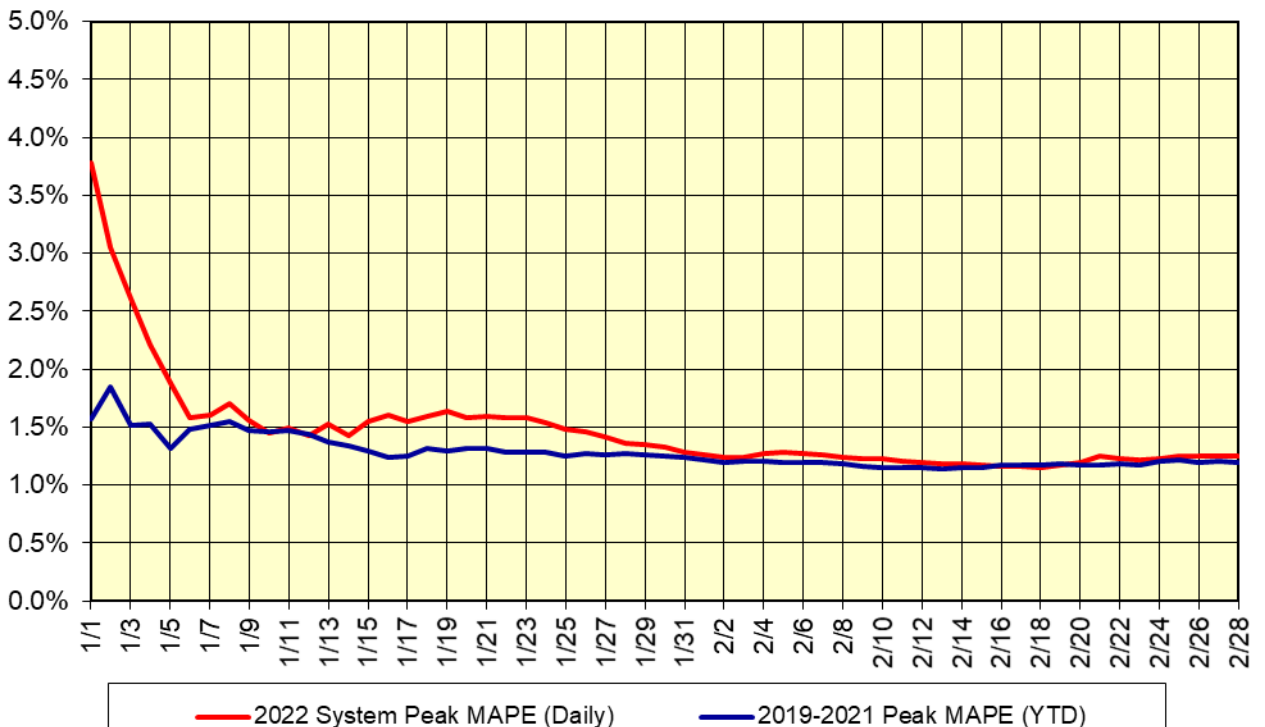
NYISO Daily Peak Load - February 2022
Actual vs. Forecast



Day Ahead Peak Forecast - February 2022 Percent Error - Actual & Weather-Adjusted



Day-Ahead Forecast Accuracy - Cumulative Performance 2022 Year-to-Date



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

Filing Date	Filing Summary	Docket	Order Summary	Order Date
12/10/2021	NYISO Section 205 filing to FERC, on behalf of Niagara Mohawk, of a Cost Reimbursement Agreement between Niagara Mohawk Power Corporation and New York Power Authority for the Smart Path project	ER22-606-000	A letter order accepted the submission, effective October 20, 2021, as requested	02/07/2022
01/05/2022	NYISO Section 205 filing to FERC of proposed tariff revisions related to NYISO's BSM rules and Capacity Market rules as part of the Comprehensive Mitigation Reform project	ER22-772-000	A letter of deficiency notice directed the NYISO to file additional information within 30 days of the notice date	02/09/2022
01/06/2022	NYISO filing to FERC of a motion to intervene and comment on the NYSRC's proposed 2022-23 Capability Year Installed Revenue Margin	ER22-675-000	An Order accepted NYSRC's filing, effective February 15, 2022, as requested	02/14/2022
10/05/2020	NYISO filing to FERC of a request for rehearing and clarification of the September 2020 Order rejecting tariff revisions that would have enhanced the "Part A Exemption Test" under the NYISO's "buyer-side" capacity market power mitigation measures	ER20-1718-002	An Order set aside, in relevant part, FERC's September 2020 order, and accepted April 30, 2020 tariff revisions subject to a further compliance filing	02/17/2022
12/22/2021	NYISO Section 205 filing to FERC of proposed tariff revisions to modify the Mitigation Measures that apply to Uneconomic Production and Uneconomic Withdrawal	ER22-705-000	A letter order accepted the submission, effective February 21, 2022, as requested	02/22/2022
12/29/2021	NYISO-Orange and Rockland joint Section 205 filing to FERC of a Transmission Interconnection Agreement among NYISO and Orange and Rockland and NY Transco for Segment B Public Policy Transmission Project	ER22-741-000	A letter order accepted the submission, effective December 15, 2021, as requested	02/24/2022
12/30/2021	NYISO-Long Island Power Authority joint Section 205 filing to FERC of a Large Generator Interconnection Agreement between NYISO and Long Island Power Authority for the South Fork Wind project	ER22-752-000	A letter order accepted the submission, effective December 15, 2021, as requested	02/25/2022
02/02/2022	NYISO-National Grid joint Section 205 filing to FERC of a Small Generator Interconnection Agreement among the NYISO, National Grid and Sky High Solar for the Sky High Solar Project	ER22-977-000		

02/04/2022	NYISO filing to FERC of initial Post-Technical Conference Comments regarding FERC's September 14, 2021 and October 12, 2021 technical conferences on energy and ancillary services markets in the evolving electricity sector	AD21-10-000		
02/07/2022	ISO-RTO Council joint filing to FERC of an answer to the petition of Voltus, Inc. for a technical conference to collectively discuss key issues arising from the Order No. 2222 compliance proposals of the ISOs and RTOs	RM18-9-008		
02/07/2022	NYISO filing of comments to the New York State Department of Environmental Conservation on the new proposed Climate Leadership and Community Protection Act and Air Permit Applications Program Policy DAR-21	No Docket		
02/07/2022	NYISO Section 205 filing to FERC, on behalf of NYSEG, of an Engineering and Procurement Agreement between New York State Electric & Gas Corporation and Watkins Glen Solar Energy	ER22-998-000		
02/09/2022	NYISO Section 205 filing to FERC of an Engineering, Procurement, and Construction Agreement among the NYISO, Holcim, Hecate Energy Albany 1, and Hecate Energy Albany 2	ER22-1007-000		
02/10/2022	NYISO filing to FERC of a motion for Extension of Time to respond to comments filed by CEA, Equinor, NYC, and the PEAK Coalition on NYISO's CMR filing	ER22-772-000		
02/10/2022	NYISO filing to FERC, on behalf of NYPA, of revisions to NYPA's formula rate, which is set forth in Attachment H of NYISO OATT	ER22-1014-000		
02/14/2022	NYISO informational filing to FERC of interconnection study metrics for the 4 th quarter of 2021, consistent with the requirements of Order Nos. 845 and 845-A	ER19-1949-000		
02/17/2022	NYISO-National Grid joint Section 205 filing to FERC of a Large Generator Interconnection Agreement among NYISO, NMPC, and East Point Energy Center for the East Point Solar project	ER22-1072-000		
02/17/2022	NYISO-National Grid joint Section 205 filing to FERC of a Large Generator Interconnection Agreement among NYISO, National Grid and High River Energy Center for the High River Solar project	ER22-1073-000		

02/22/2022	NYISO filing to FERC of comments in response to FERC's Notice of Inquiry on reactive power capability compensation and market design	RM22-2-000		
02/24/2022	NYISO-National Grid joint Section 205 filing to FERC of a Small Generator Interconnection Agreement among the NYISO, National Grid and Bald Mountain Solar for the NY 13 Solar Project	ER22-1109-000		
02/25/2022	NYISO-National Grid joint Section 205 filing to FERC of an Engineering, Procurement, and Construction Agreement among NYISO, National Grid and NextEra, for the Empire State Line project	ER22-1119-000		
02/28/2022	NYISO confidential filing to the NYPSC of a quarterly report of the confidential internal Project Tracking Report	Matter No. 10-02007		