

Monthly Report

A Report by the New York Independent System Operator

April 2021



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April 2021 Report

Operations & Reliability Department New York Independent System Operator



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April 2021 Operations Performance Highlights

- Peak load of 17,623 MW occurred on 04/22/2021 HB 20
- All-time winter capability period peak load of 25,738 MW occurred on 1/7/2014 HB 18
- 1.28 hours of Thunder Storm Alerts were declared
- 0 hours of NERC TLR level 3 curtailment
- 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.
- NYISO began securing Brentwood-Pilgrim 69kV (#768) & Elwood-Pulaski 69kV (#670) facilities on LI in the Real-Time Market on 04/13/2021 and in the Day-Ahead Market execution occurring on 04/14/2021 for the 04/15/2021 market day.
- Unit 3 at the Indian Point Energy Center (IP-3), a nuclear generating facility, was deactivated on 04/30/2021 HB23.

The following table identifies the 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	\$4.01	\$9.19
NY Savings from PJM-NY Coordinated Transaction Scheduling	(\$0.33)	\$1.32
NY Savings from NE-NY Coordinated Transaction Scheduling	\$0.09	(\$2.64)
Total NY Savings	\$3.78	\$7.87
Regional Savings from PJM-NY Coordinated Transaction Scheduling	\$0.58	\$1.76
Regional Savings from NE-NY Coordinated Transaction Scheduling	\$0.05	(\$0.43)
Total Regional Savings	\$0.64	\$1.33

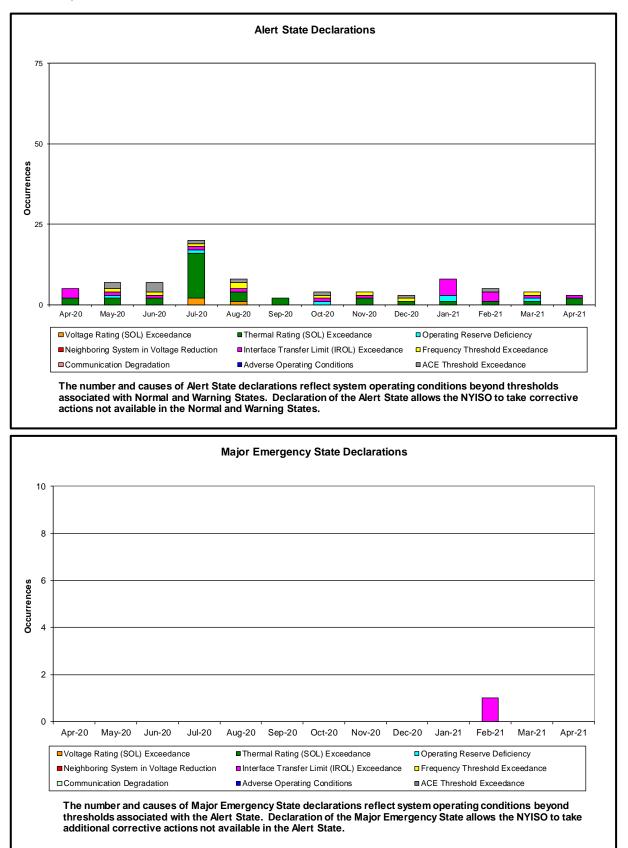
- Statewide uplift cost monthly average was (\$0.18)/MWh.
- The following table identifies the Monthly ICAP spot market prices and the price delta.

Spot Auction Price Results	NYCA	Lower Hudson Valley Zones	New York City Zone	Long Island Zone
May 2021 Spot Price	\$5.35	\$5.35	\$5.35	\$9.53
October 2020 Spot Price	\$2.03	\$2.03	\$18.15	\$5.21
Delta	\$3.32	\$3.32	(\$12.80)	\$4.32

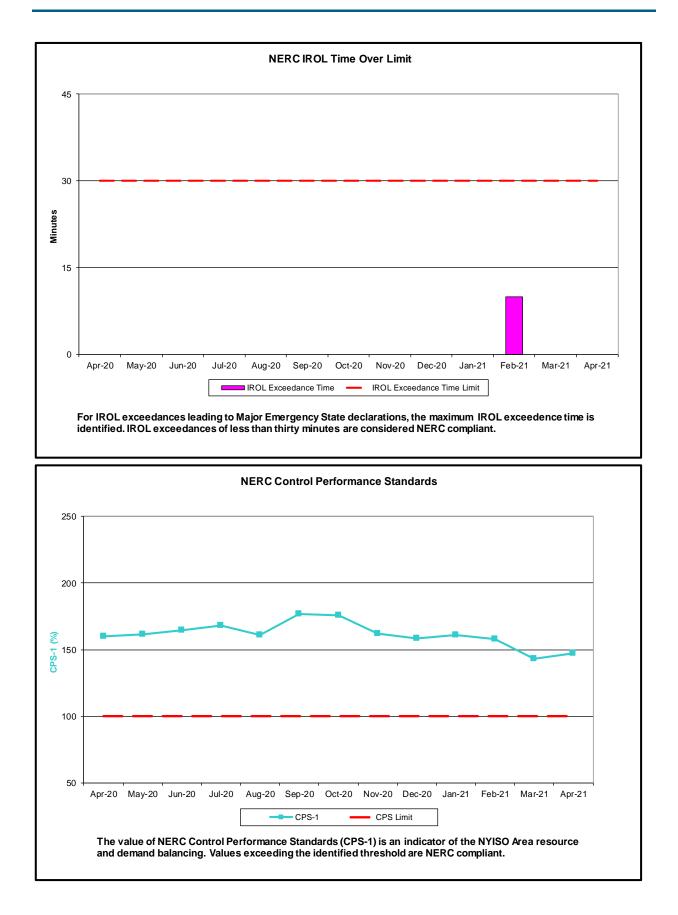
• Price changes from October 2020 to May 2021 are driven by changes in supply as well as Capability Year inputs such as demand curve parameters, Locational Capacity Requirements, the Installed Reserve Margin and the load forecast.



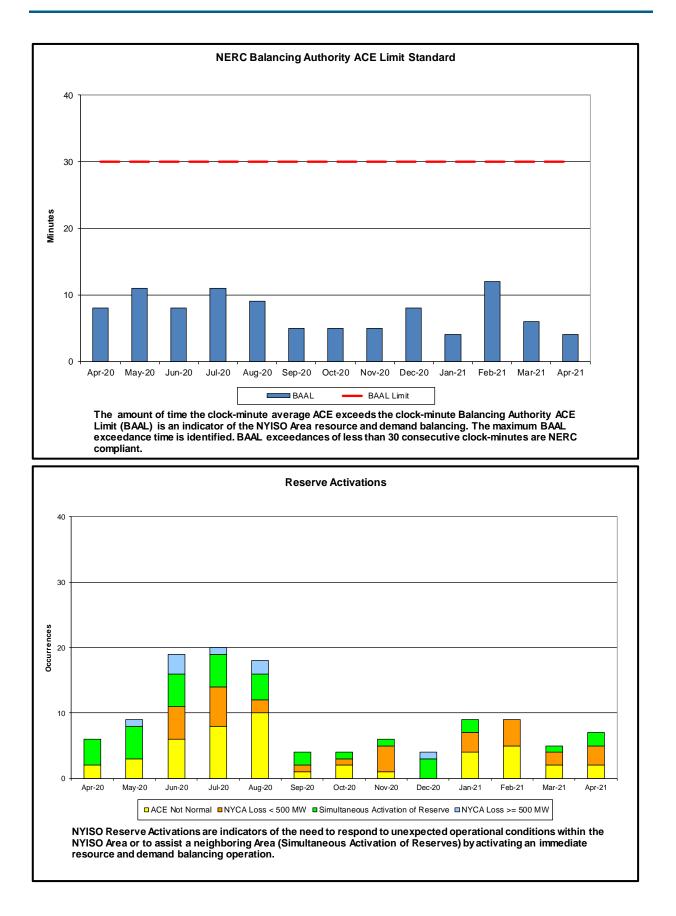
Reliability Performance Metrics



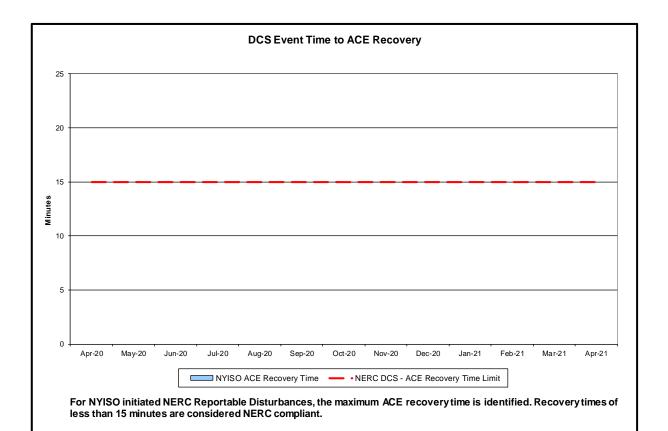


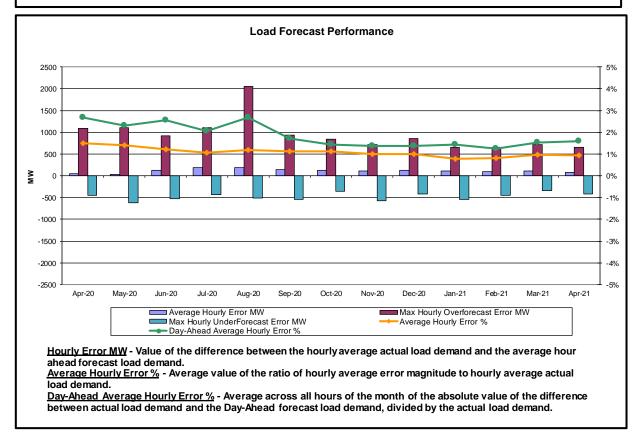




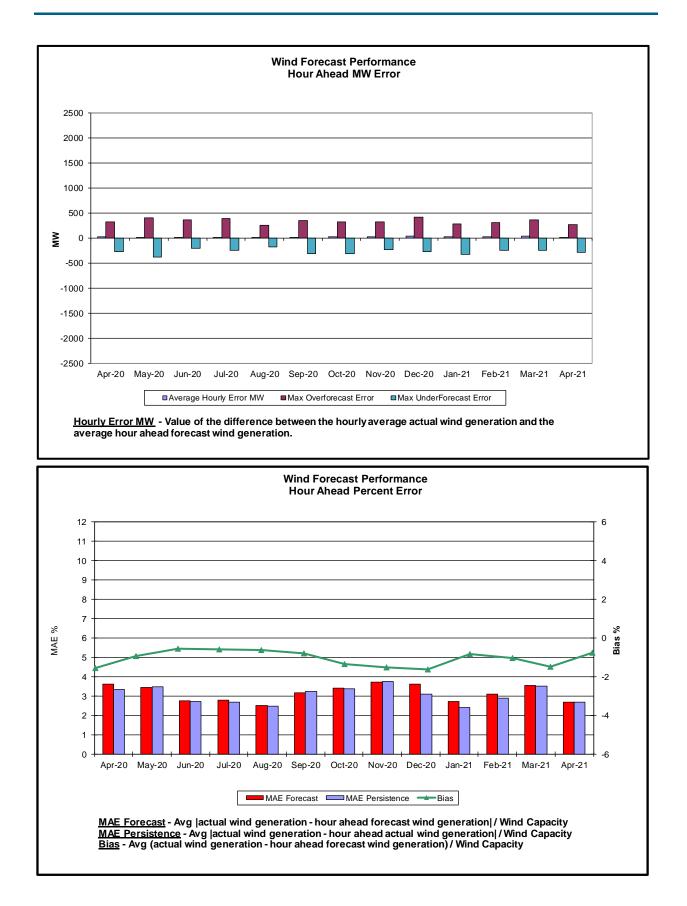




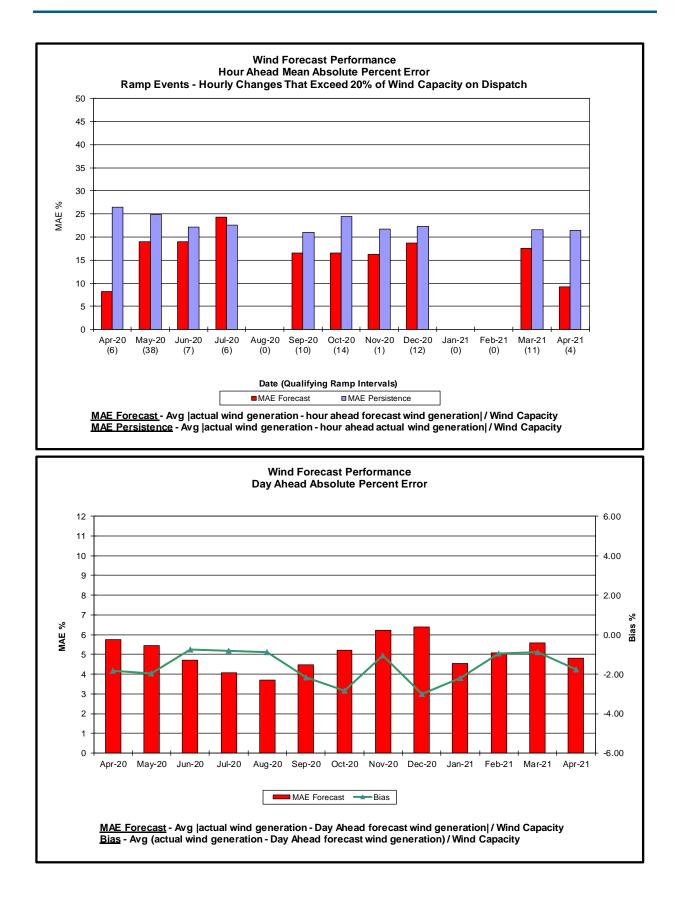


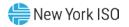


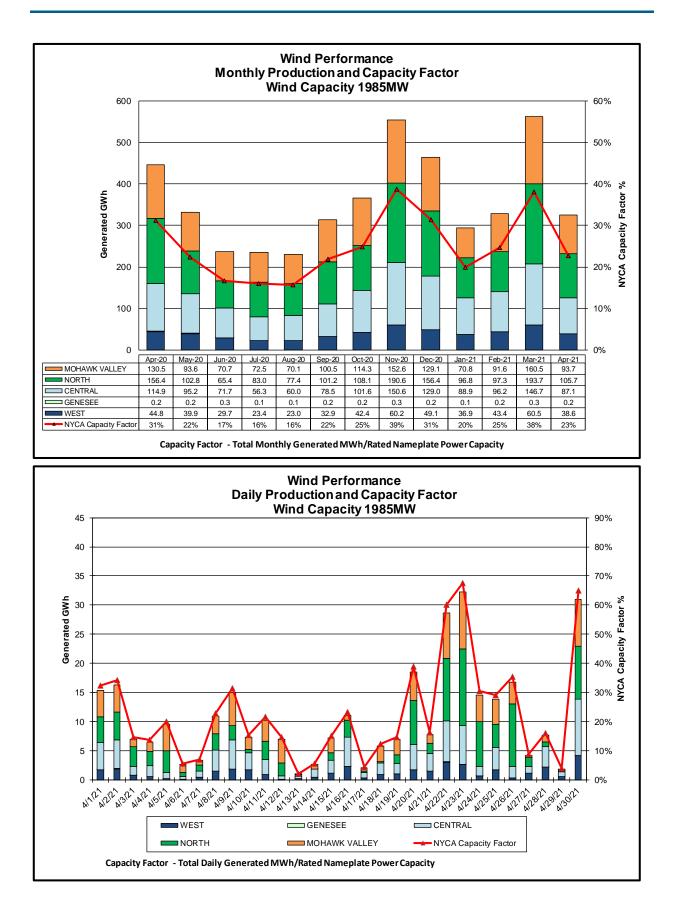
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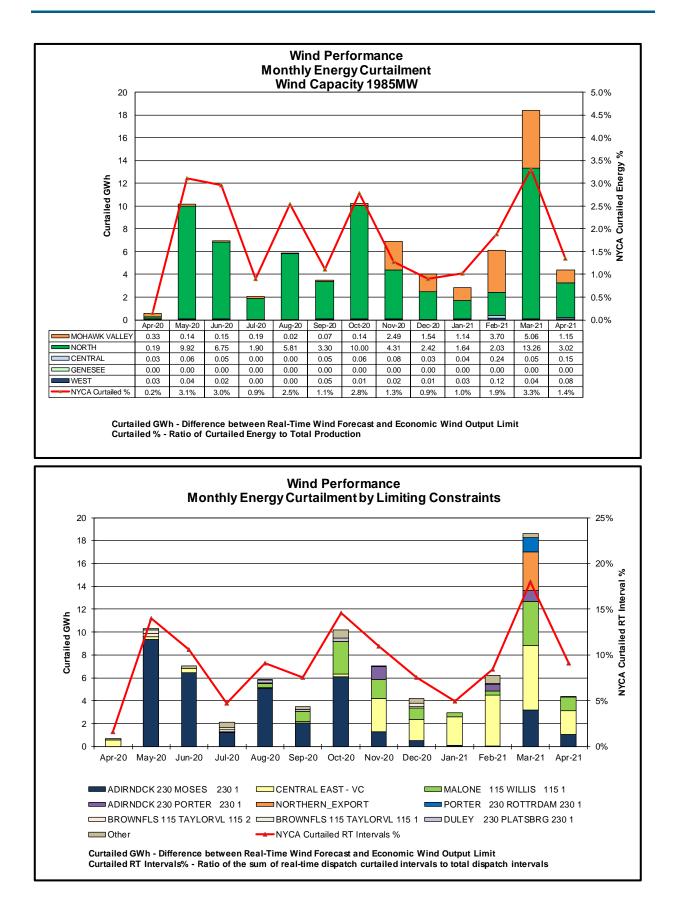




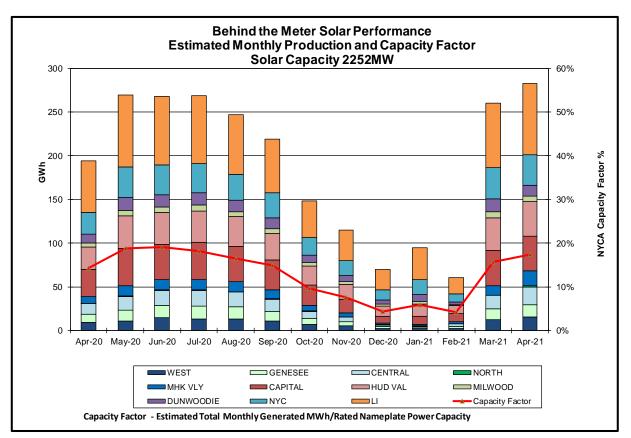


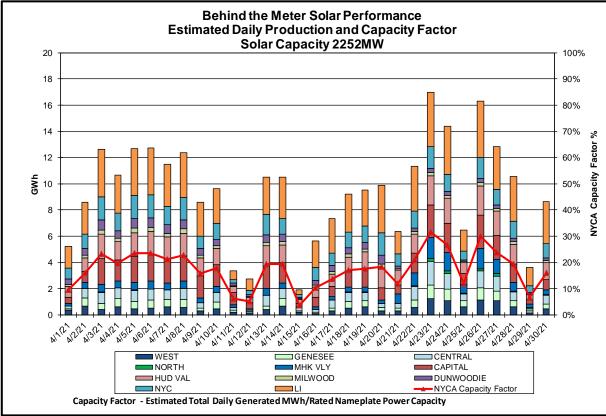




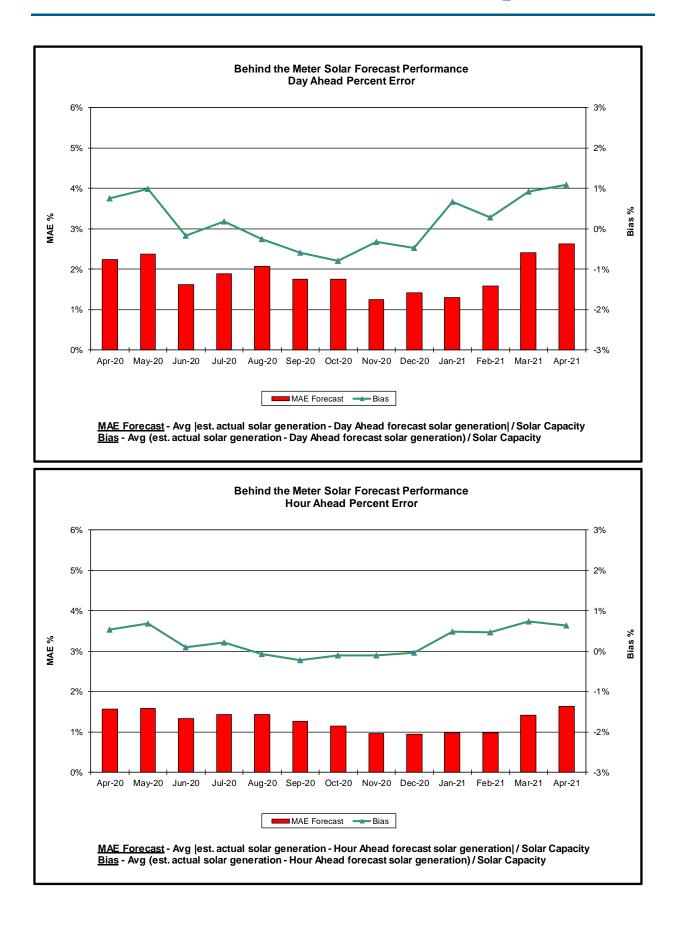




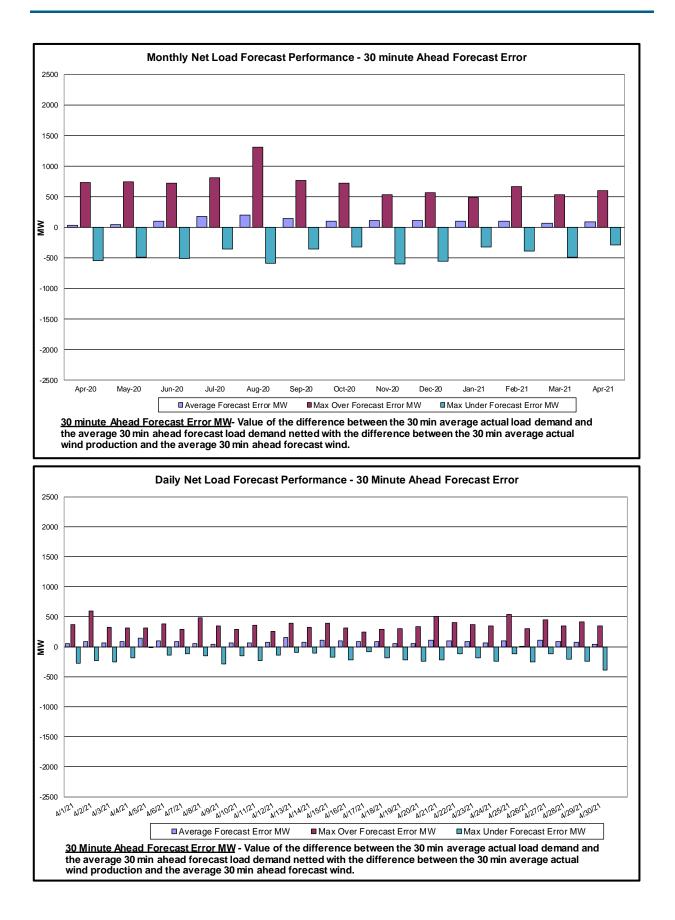




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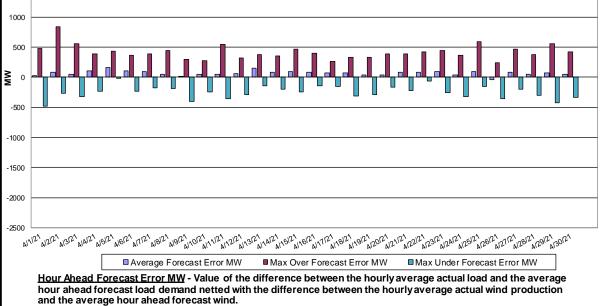


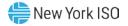


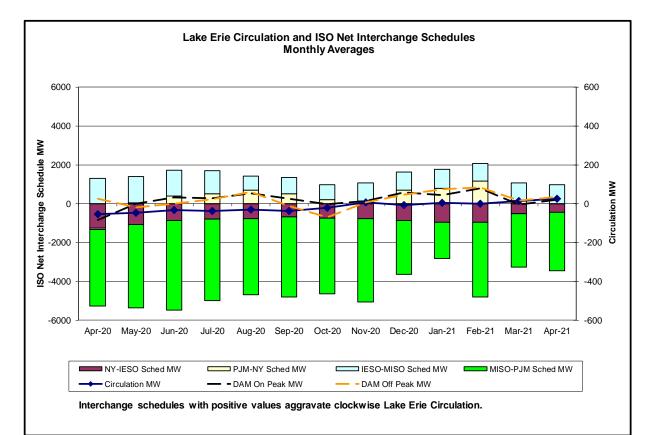


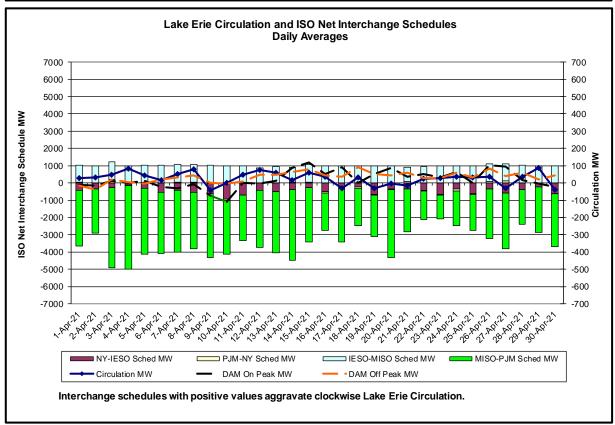


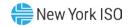


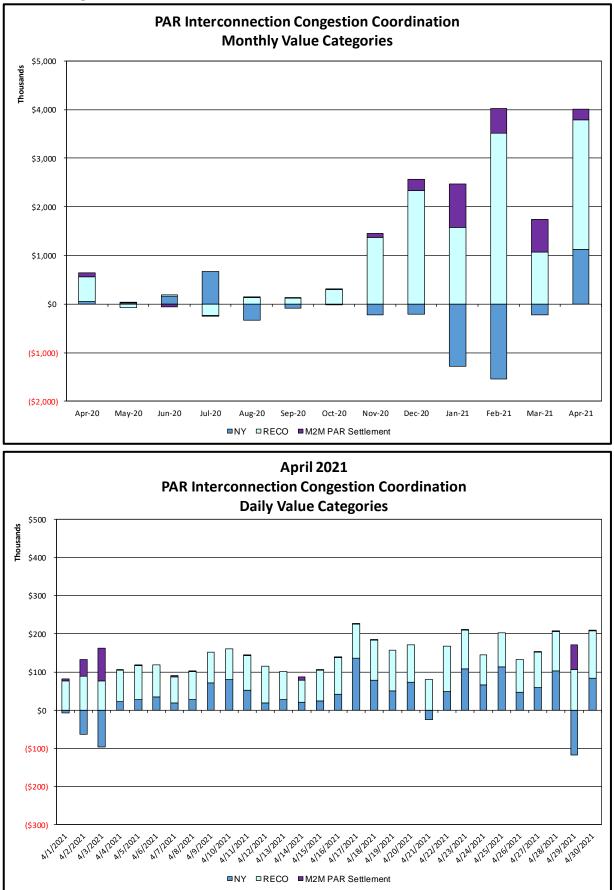




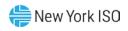




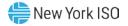


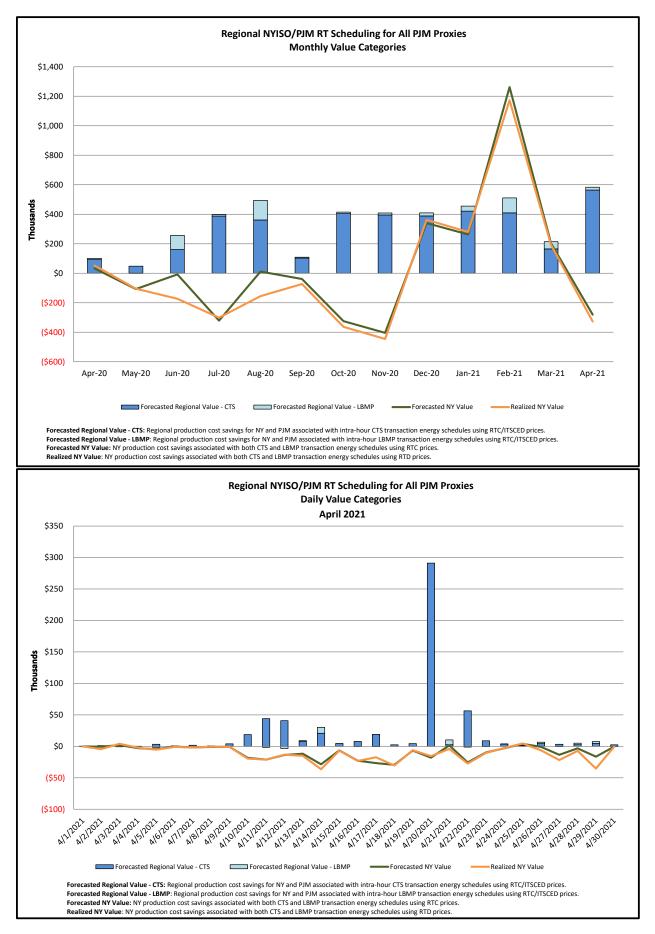


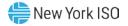
Broader Regional Market Performance Metrics

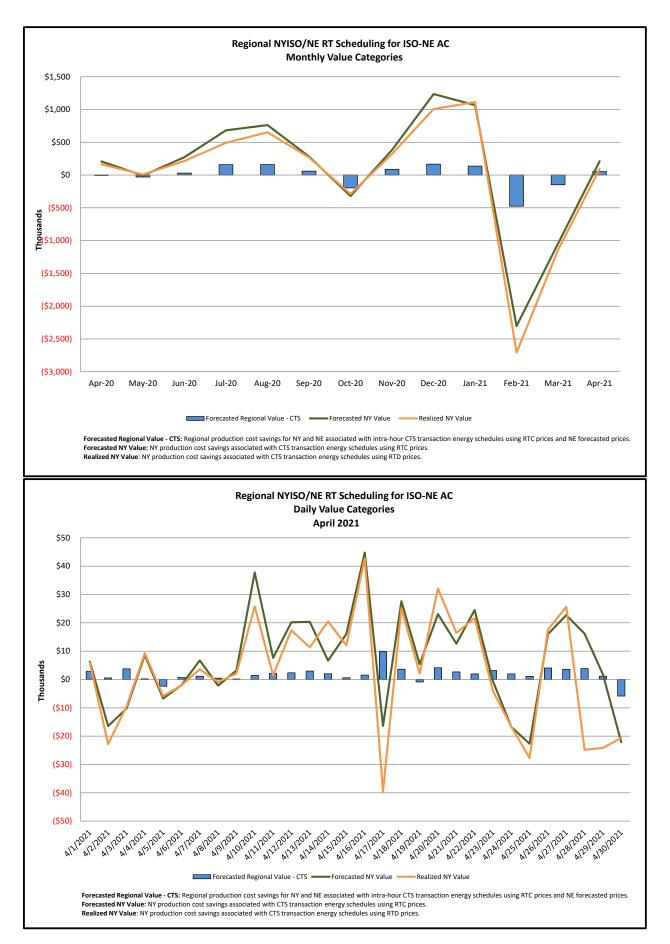


PAR Interconnection Congestion Coordination			
<u>Category</u> NY	<u>Description</u> Represents the value NY realizes from Market-to-Market PAR Coordination when experiencing congestion. This is the estimated savings to NY for additional deliveries into NY		
RECO	Represents the value of PJM's obligation 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.		



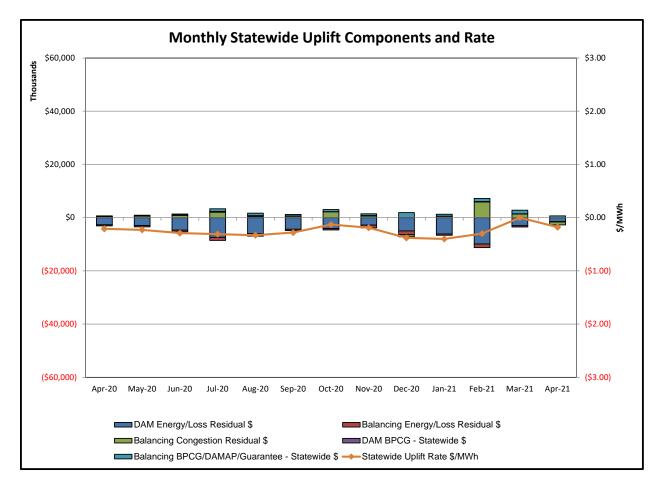




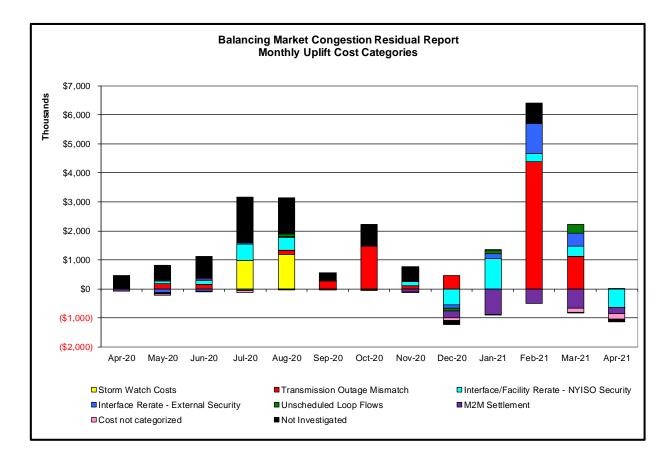


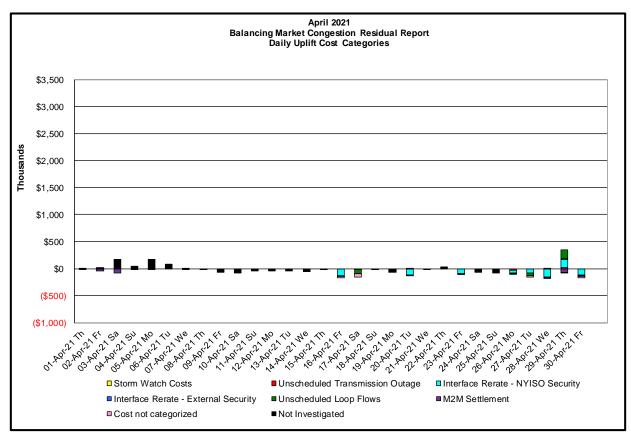


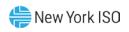
Market Performance Metrics









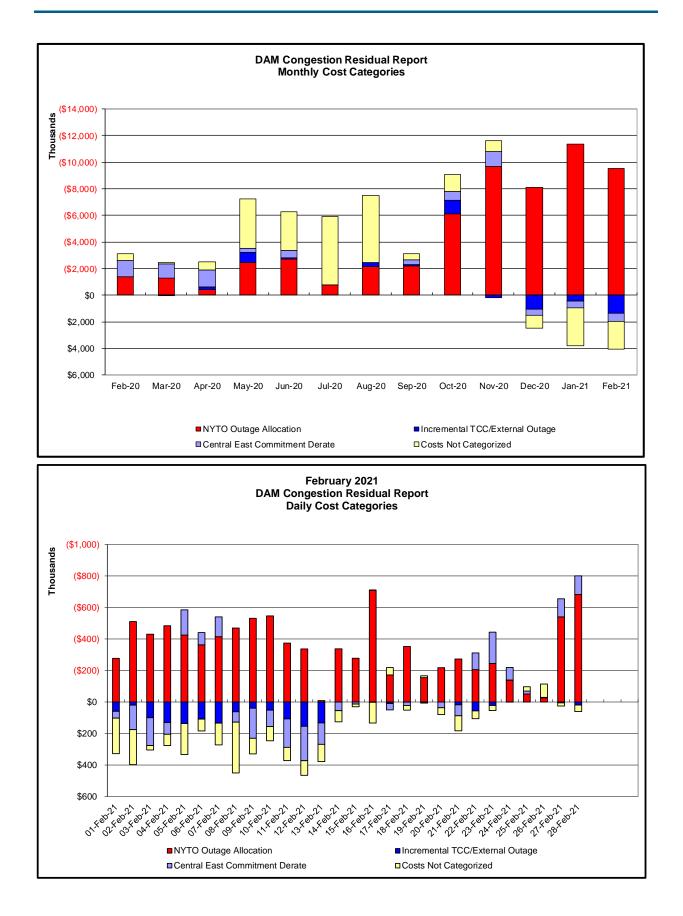


nt	Date (yyyymmdd)	Hours	Description
	4/16/2021	11-15,17-21	Uprate Central East
	4/16/2021	13	NE_AC DNI Ramp Limit
	4/16/2021	13,20	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	4/17/2021	5	NYCA DNI Ramp Limit
	4/17/2021		NE_AC DNI Ramp Limit
	4/17/2021		Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	4/20/2021		Uprate Central East
	4/20/2021	0,10,13,14	Uprate Lake Success - Shore Rd 138kV (#368)
	4/20/2021	14	Uprate Northport-Pilgrim 138kV (#672) I/o SCB:CRICKVLY(1) 398&CC3
	4/20/2021		Uprate Northport-Pilgrim 138kV (#672) I/o SCB:CRICKVLY(2) 398&CC2
	4/20/2021	3	Derate Central East
	4/20/2021	3	Derate Elwood-Pulaski 69kV (#670) I/o TWR:HOLTSVLLE 881& 882& 880
	4/20/2021	10	NE_NNC1385 - NY Scheduling Limit
	4/20/2021	0,1,10	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	4/23/2021		NYCA DNI Ramp Limit
	4/23/2021	0,2,9-17,21-23	Uprate Central East
	4/23/2021	0,2,10,11,13-15	Uprate EastGardenCity -ValleyStream 138kV (#262) Base Case
	4/23/2021		Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	4/26/2021	18-21	Early return to service of North Port-Pilgrim 138kV (#672)
	4/26/2021	0,4,6,9,13,18-21	Uprate Central East
	4/26/2021	13,20,21	Uprate EastGardenCity -ValleyStream 138kV (#262) Base Case
	4/26/2021		Uprate Lake Success - Shore Rd 138kV (#368)
	4/26/2021	9	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	4/27/2021	0,6,7,9-12,16,17	Uprate Central East
	4/27/2021	10,11	Uprate EastGardenCity -ValleyStream 138kV (#262) Base Case
	4/27/2021	10	Uprate Lake Success - Shore Rd 138kV (#368)
	4/27/2021	18-20	Uprate Northport-Pilgrim 138kV (#672) I/o Northport-Pilgrim 138kV (#679)
	4/27/2021	7,9-11,19,20	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	4/28/2021	7-11,13,15-18,21-23	Uprate Central East
	4/28/2021	15-18	Uprate Northport-Pilgrim 138kV (#672) I/o Northport-Pilgrim 138kV (#679)
	4/28/2021	12,14	Derate Cricket Valley-Pleasant Valley 345kV (#F83) I/o Cricket Valley-Pleasant Valley 345kV
	4/28/2021	14	NE_NNC1385 - NY Scheduling Limit
	4/28/2021	12,22,23	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	4/29/2021	16	Forced outage of Edic-Fraser 345kV (#EF24-40)
	4/29/2021		Derate Cricket Valley-Pleasant Valley 345kV (#F83) I/o Cricket Valley-Pleasant Valley 345kV
	4/29/2021		Uprate Central East
	4/29/2021		NE_NNC1385 - NY Scheduling Limit
	4/29/2021		Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	4/30/2021	, ,	Uprate Central East
	4/30/2021	,	NE_AC DNI Ramp Limit
	4/30/2021		Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East

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

<u>Category</u> Storm Watch	<u>Cost Assignment</u> Zone J	<u>Events Types</u> Thunderstorm Alert (TSA)	<u>Event Examples</u> 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					
 Storm Watch Costs are identified as daily total uplift costs 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. Uplift costs associated with multiple event types are apportioned equally by hour 					



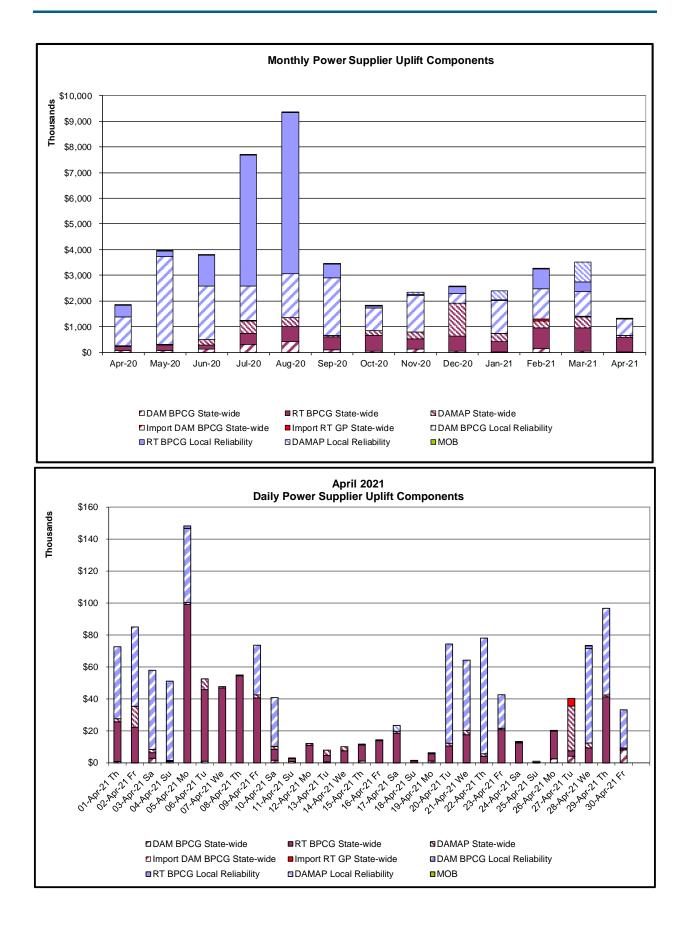




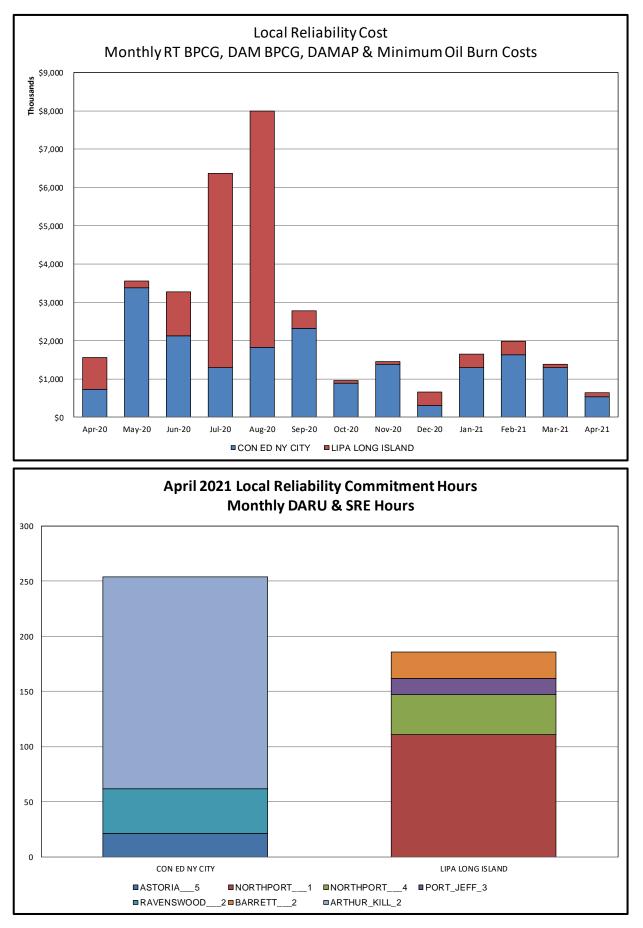
Day-Ahead Market Congestion Residual Categories

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

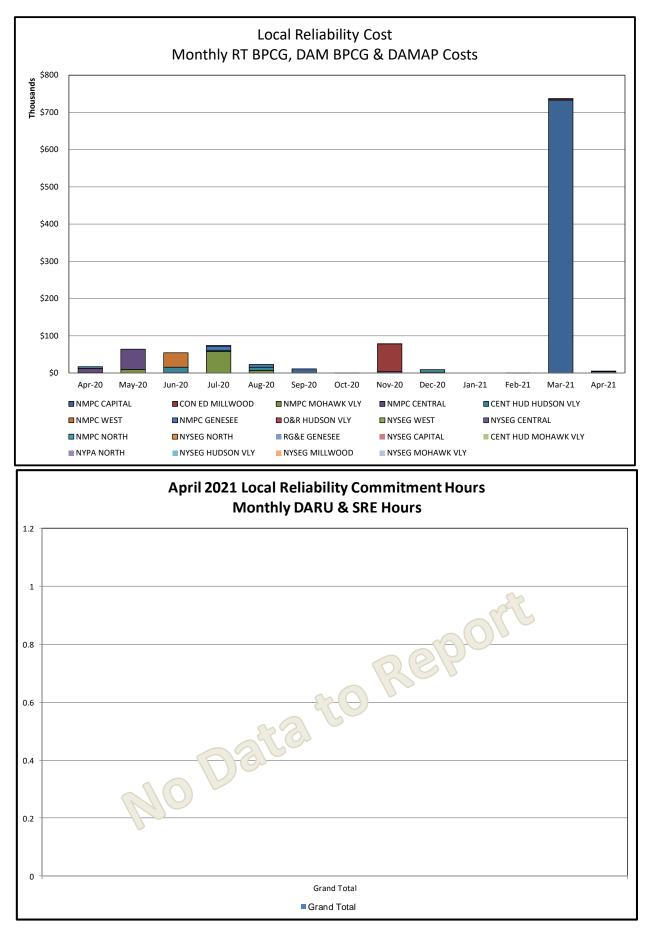




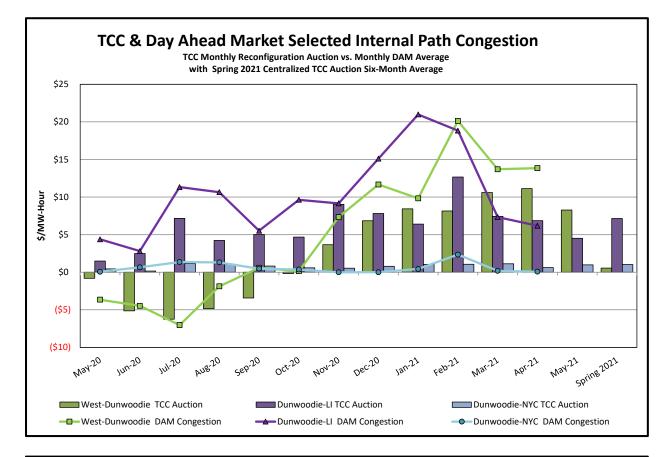


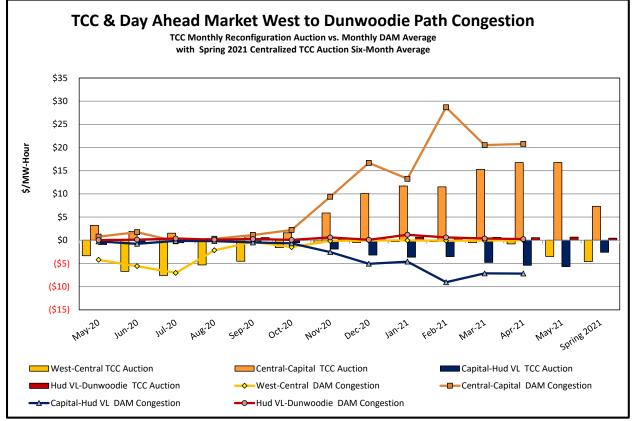




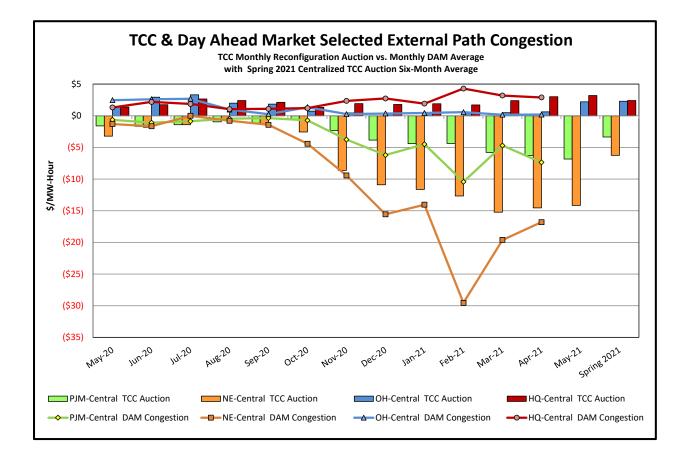




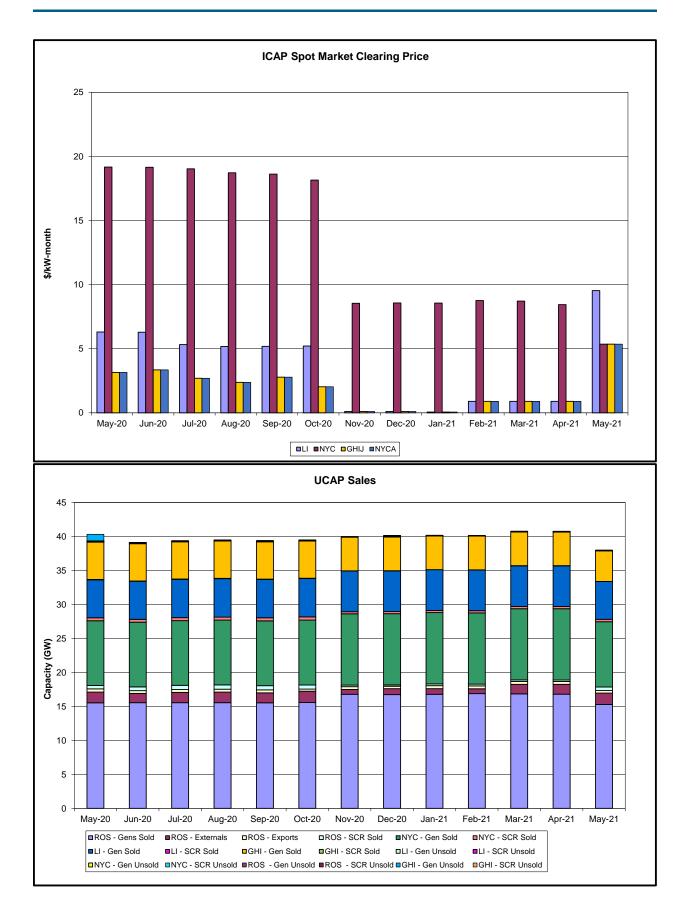






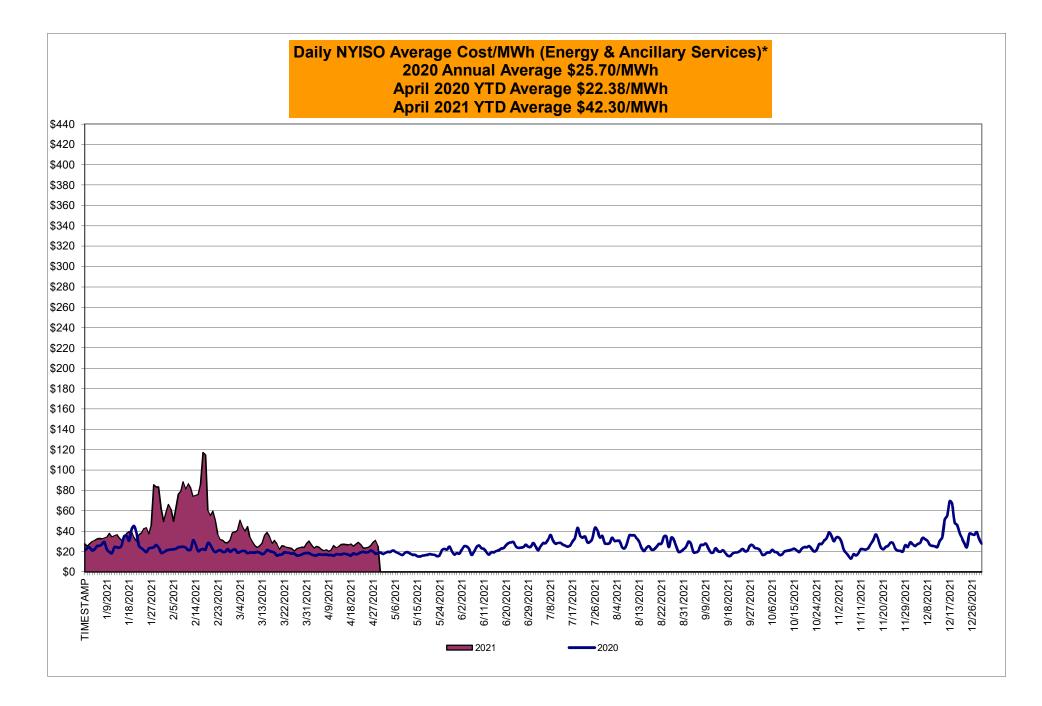






Market Performance Highlights April 2021

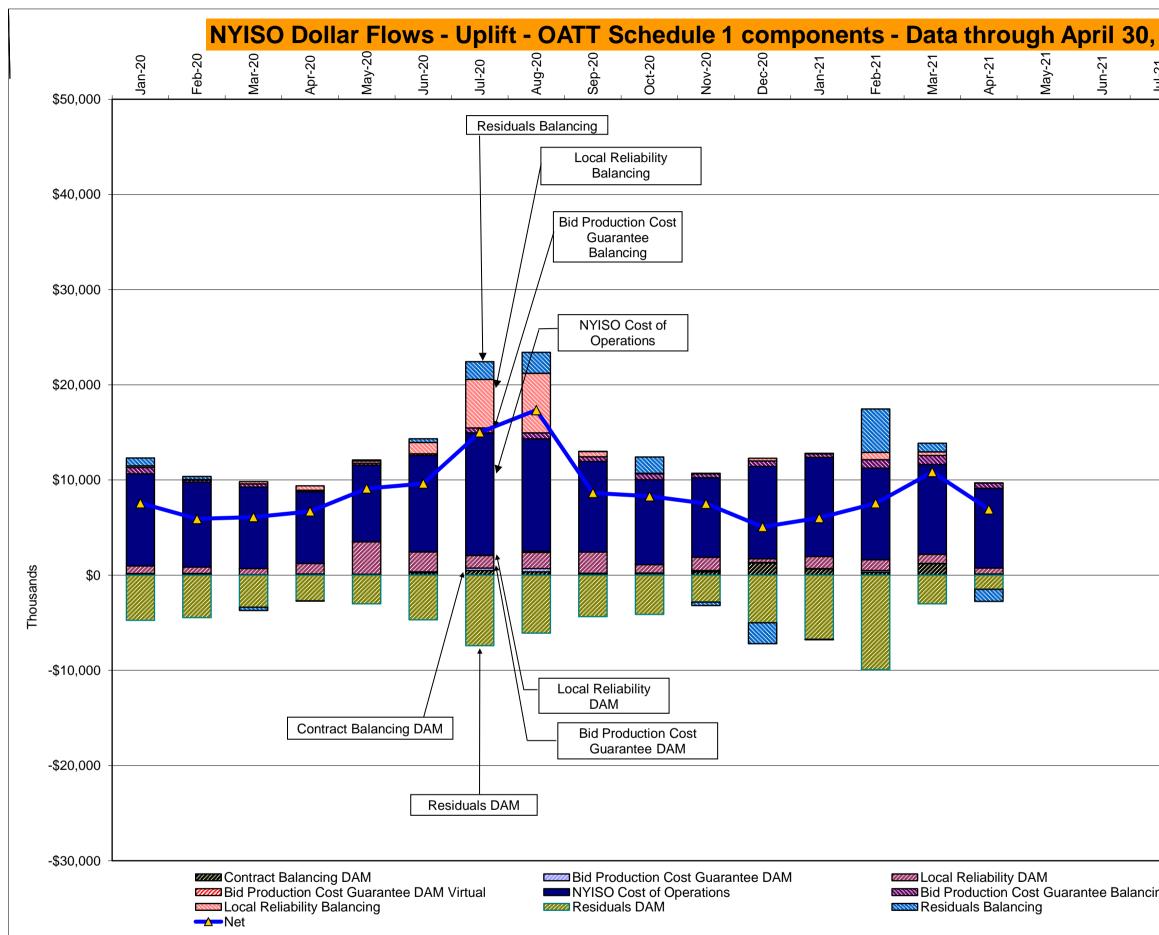
- LBMP for April is \$22.79/MWh; lower than \$28.59/MWh in March 2021 and higher than \$15.77/MWh in April 2020.
 - Day Ahead Load Weighted LBMPs and Real Time Load Weighted LBMPs are lower compared to March.
- April 2021 average year-to-date monthly cost of 42.30/MWh is an 89% increase from \$22.38/MWh in April 2020.
- Average daily sendout is 354 GWh/day in April; lower than 381 GWh/day in March 2021 and higher than 344 GWh/day in April 2020.
- Natural gas prices are lower and distillate prices are mixed compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$2.13/MMBtu, down from \$2.24/MMBtu in March.
 - Natural gas prices are up 41% year-over-year.
 - Jet Kerosene Gulf Coast was \$12.38/MMBtu, same as \$12.38/MMBtu in March.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$13.23/MMBtu, down from \$13.31/MMBtu in March.
 - Distillate prices are up 137.6% year-over-year.
- Uplift per MWh is lower compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.12)/MWh; lower than \$0.11/MWh in March.
 - Local Reliability Share is \$0.06/MWh, lower than \$0.11/MWh in March.
 - Statewide Share is (\$0.18)/MWh, lower than \$0.00/MWh in March.
 - TSA \$ per NYC MWh is \$0.00/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than March.



* Excludes ICAP payments.

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2021	lonuonu	Fahruary	Marah	April	Mov	luno	hub <i>r</i>	August	Santambar	Octobor	November	December
LBMP	January	February	<u>March</u> 28.59	<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>
NTAC	37.83 1.35	63.70 1.20	1.26	22.79 1.54								
Reserve	0.49	0.81	0.57	0.56								
Regulation	0.49	0.81	0.09	0.50								
NYISO Cost of Operations	0.74	0.13	0.09	0.74								
FERC Fee Recovery	0.08	0.09	0.09	0.11								
Uplift	(0.31)	(0.15)	0.00	(0.12)								
Uplift: Local Reliability Share	0.09	0.15	0.11	0.06								
Uplift: Statewide Share	(0.40)	(0.30)	0.00	(0.18)								
Voltage Support and Black Start	0.43	0.43	0.43	0.44								
Avg Monthly Cost	40.61	66.87	31.81	26.06								
Avg YTD Cost	40.61	52.90	46.47	42.30								
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00								
2020								•				_
2020	January	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
LBMP	24.77	21.11	17.11	15.77	16.14	21.36	28.86	26.13	20.52	20.90	22.57	33.70
NTAC	0.91	0.70	0.86	0.91	1.05	0.95	1.24	1.03	0.78	0.84	1.05	1.35
Reserve	0.46	0.43	0.47	0.50	0.53	0.45	0.39	0.39	0.42	0.61	0.51	0.49
Regulation	0.09	0.08	0.09	0.08	0.10	0.08	0.06	0.07	0.09	0.11	0.09	0.08
NYISO Cost of Operations	0.68 0.08	0.69 0.09	0.68 0.09	0.66 0.10	0.71 0.11	0.74 0.09	0.76 0.06	0.75 0.07	0.74 0.09	0.73 0.10	0.69 0.10	0.70
FERC Fee Recovery Uplift		(0.23)	(0.19)	(0.08)	0.09	(0.05)	0.08	0.07	(0.09)	(0.05)	(0.07)	0.08 (0.33)
Uplift: Local Reliability Share	(0.15) 0.07	0.06	0.07	0.14	0.09	0.24	0.38	0.17	0.22	0.08	0.12	0.05
Uplift: Statewide Share	(0.22)	(0.29)	(0.26)	(0.21)	(0.23)	(0.24)	(0.31)	(0.33)	(0.28)	(0.13)	(0.12)	(0.38)
Voltage Support and Black Start	0.44	0.44	0.44	0.43	0.45	0.45	0.46	0.46	0.45	0.45	0.44	0.45
Avg Monthly Cost	27.29	23.32	19.55	18.38	19.16	24.09	31.91	29.07	23.03	23.70	25.40	36.52
Avg Monthly Cost	21.23	20.02	19.00	10.00	13.10	24.03	51.31	23.07	20.00	23.10	20.40	JU.JZ
Avg YTD Cost	27.29	25.40	23.48	22.38	21.82	22.21	24.11	24.88	24.69	24.62	24.68	25.70
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.00	0.04	0.18	0.54	0.00	0.00	0.00	0.00

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



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.

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NYISO Markets Transactions

<u>2021</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Day Ahead Market MWh	14,108,848	13,325,329	12,843,278	11,204,262		
DAM LSE Internal LBMP Energy Sales	60%	59%	56%	55%		
DAM External TC LBMP Energy Sales	5%	4%	3%	2%		
DAM Bilateral - Internal Bilaterals	31%	30%	32%	35%		
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	1%	4%	4%	5%		
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%		
DAM Bilateral - Wheel Through Bilaterals	2%	2%	3%	2%		
Balancing Energy Market MWh	29,179	-308,157	-70,279	30,603		
Balancing Energy LSE Internal LBMP Energy Sales	-215%	-151%	-367%	-456%		
Balancing Energy External TC LBMP Energy Sales	374%	59%	365%	578%		
Balancing Energy Bilateral - Internal Bilaterals	49%	4%	27%	34%		
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%		
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	50%	5%	32%	34%		
Balancing Energy Bilateral - Wheel Through Bilaterals	-158%	-17%	-158%	-90%		
Transactions Summary						
LBMP	65%	62%	59%	57%		
Internal Bilaterals	31%	31%	33%	35%		
Import Bilaterals	1%	4%	4%	5%		
Export Bilaterals	2%	2%	2%	2%		
Wheels Through	2%	2%	2%	2%		
Market Share of Total Load						
Day Ahead Market	99.8%	102.4%	100.6%	99.7%		
Balancing Energy +	0.2%	-2.4%	-0.6%	0.3%		
Total MWH	14,138,027	13,017,172	12,772,999	11,234,865		
Average Daily Energy Sendout/Month GWh	427	434	381	354		
2020	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>
Day Ahead Market MWh	14,194,609	13,172,669	12,495,999	11,372,390	11,462,320	13,825,178
DAM LSE Internal LBMP Energy Sales	56%	56%	59%	54%	55%	58%
DAM External TC LBMP Energy Sales	6%	5%	5%	7%	4%	3%
DAM Bilateral - Internal Bilaterals	30%	30%	27%	30%	31%	29%
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	6%	6%	6%	5%
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	2%
DAM Bilateral - Wheel Through Bilaterals	1%	1%	1%	1%	1%	2%
Balancing Energy Market MWh	-26,753	-142,168	144,076	22,599	-137,565	-180,149

<u>2020</u>	<u>January</u>	February	<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>
Day Ahead Market MWh	14,194,609	13,172,669	12,495,999	11,372,390	11,462,320	13,825,178	16,629,337	15,671,629	13,122,542	12,338,638	12,157,281	13,748,181
DAM LSE Internal LBMP Energy Sales	56%	56%	59%	54%	55%	58%	65%	63%	60%	56%	57%	59%
DAM External TC LBMP Energy Sales	6%	5%	5%	7%	4%	3%	2%	4%	4%	5%	5%	5%
DAM Bilateral - Internal Bilaterals	30%	30%	27%	30%	31%	29%	26%	27%	30%	32%	33%	31%
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	6%	6%	6%	5%	3%	3%	2%	3%	3%	2%
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	2%	1%	2%	2%	2%	2%	2%
DAM Bilateral - Wheel Through Bilaterals	1%	1%	1%	1%	1%	2%	2%	2%	2%	2%	0%	2%
Balancing Energy Market MWh	-26,753	-142,168	144,076	22,599	-137,565	-180,149	403,914	212,307	-173,115	-89,451	-54,598	156,891
Balancing Energy LSE Internal LBMP Energy Sales	-1080%	-221%	-85%	-884%	-187%	-134%	85%	99%	-95%	-220%	-459%	-12%
Balancing Energy External TC LBMP Energy Sales	1156%	181%	240%	1233%	137%	99%	35%	43%	104%	187%	382%	107%
Balancing Energy Bilateral - Internal Bilaterals	62%	5%	12%	55%	12%	7%	2%	1%	0%	4%	3%	7%
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	0%	0%	0%	20%	9%	6%
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	127%	16%	18%	92%	12%	5%	2%	4%	7%	17%	33%	11%
Balancing Energy Bilateral - Wheel Through Bilaterals	-365%	-81%	-85%	-396%	-74%	-77%	-24%	-46%	-116%	-107%	-69%	-19%
Transactions Summary												
LBMP	62%	62%	65%	61%	59%	62%	68%	67%	64%	61%	62%	64%
Internal Bilaterals	31%	31%	27%	30%	32%	30%	26%	27%	31%	32%	33%	31%
Import Bilaterals	5%	5%	6%	6%	6%	5%	3%	3%	2%	3%	3%	2%
Export Bilaterals	2%	2%	2%	2%	2%	2%	1%	2%	2%	2%	2%	2%
Wheels Through	0%	1%	0%	0%	0%	1%	1%	1%	1%	2%	0%	2%
Market Share of Total Load												
Day Ahead Market	100.2%	101.1%	98.9%	99.8%	101.2%	101.3%	97.6%	98.7%	101.3%	100.7%	100.5%	98.9%
Balancing Energy +	-0.2%	-1.1%	1.1%	0.2%	-1.2%	-1.3%	2.4%	1.3%	-1.3%	-0.7%	-0.5%	1.1%
Total MWH	14,167,856	13,030,501	12,640,075	11,394,989	11,324,755	13,645,029	17,033,251	15,883,935	12,949,426	12,249,187	12,102,682	13,905,071
Average Daily Energy Sendout/Month GWh	423	417	375	344	345	430	530	489	408	367	377	417

+ 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.

<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
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Notes: Percent totals may not equal 100% due to rounding. Virtual Transactions are not reflected in this chart.

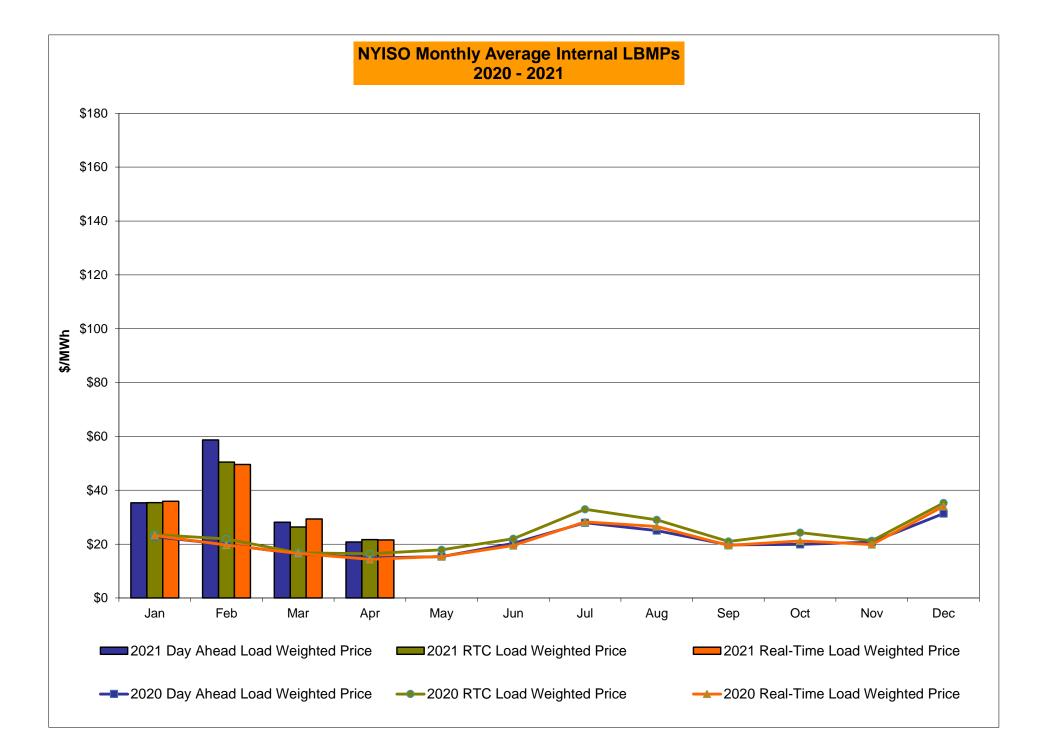
NYISO Markets 2021 Energy Statistics

	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	July	August	<u>September</u>	October November December
DAY AHEAD LBMP										
Price *	\$34.37	\$57.30	\$27.47	\$20.46						
Standard Deviation	\$14.58	\$24.48	\$8.23	\$4.58						
Load Weighted Price **	\$35.31	\$58.67	\$28.12	\$20.81						
RTC LBMP										
Price *	\$34.32	\$49.25	\$25.59	\$21.30						
Standard Deviation	\$20.93	\$23.34	\$12.67	\$7.91						
Load Weighted Price **	\$35.40	\$50.48	\$26.37	\$21.67						
REAL TIME LBMP										
Price *	\$34.59	\$48.22	\$28.06	\$21.10						
Standard Deviation	\$29.47	\$26.46	\$26.13	\$10.07						
Load Weighted Price **	\$35.89	\$49.57	\$29.33	\$21.55						
Average Daily Energy Sendout/Month GWh	427	434	381	354						

NYISO Markets 2020 Energy Statistics

	<u>January</u>	<u>February</u>	March	April	May	June	July	August S	September	<u>October</u>	November [<u>December</u>
DAY AHEAD LBMP	* ***		• • • • • =	• • • • • =	• • • • -	<i></i>	* • • • • •	* ****	* • • • • •		* • • • -	* • • • -
Price *	\$22.11	\$19.48	\$16.07	\$14.67	\$14.97	\$19.15	\$26.30	\$23.61	\$18.88	\$19.40	\$20.07	\$30.45
Standard Deviation	\$7.43	\$4.45	\$3.21	\$2.71	\$3.55	\$6.40	\$10.45	\$8.56	\$5.41	\$6.36	\$7.15	\$12.35
Load Weighted Price **	\$22.77	\$19.84	\$16.36	\$14.86	\$15.37	\$20.28	\$27.94	\$25.01	\$19.72	\$19.91	\$20.75	\$31.36
RTC LBMP												
Price *	\$22.86	\$21.48	\$16.48	\$16.23	\$17.46	\$20.84	\$30.70	\$26.86	\$19.90	\$23.35	\$20.39	\$34.01
Standard Deviation	\$9.33	\$53.30	\$4.84	\$5.17	\$8.61	\$11.26	\$17.92	\$17.17	\$11.37	\$14.44	\$14.19	\$25.41
Load Weighted Price **	\$23.50	\$21.94	\$16.74	\$16.44	\$17.89	\$22.01	\$32.92	\$29.01	\$20.99	\$24.25	\$21.23	\$35.28
REAL TIME LBMP												
Price *	\$22.53	\$19.29	\$16.24	\$14.14	\$14.90	\$18.35	\$26.56	\$24.68	\$18.63	\$20.44	\$18.96	\$32.72
Standard Deviation	\$11.90	\$8.68	\$7.48	\$6.98	\$8.35	\$9.33	\$16.45	\$13.95	\$7.15	\$12.01	\$12.66	\$24.29
Load Weighted Price **	\$23.20	\$19.68	\$16.58	\$14.35	\$15.42	\$19.46	\$28.27	\$26.53	\$19.54	\$21.15	\$19.84	\$34.04
Average Daily Energy Sendout/Month GWh	423	417	375	344	345	430	530	489	408	367	377	417

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

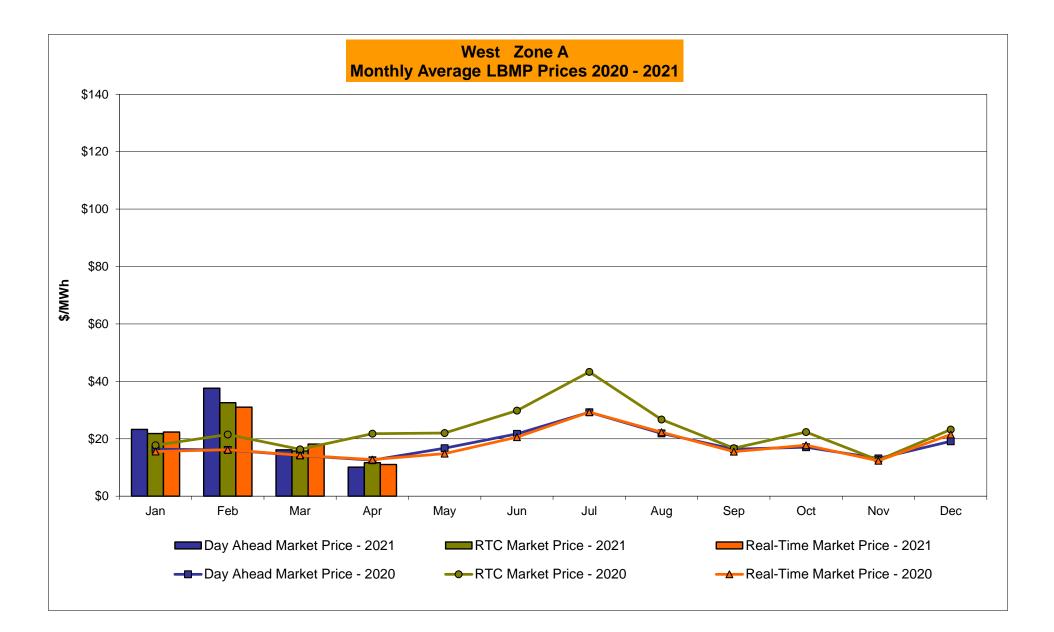


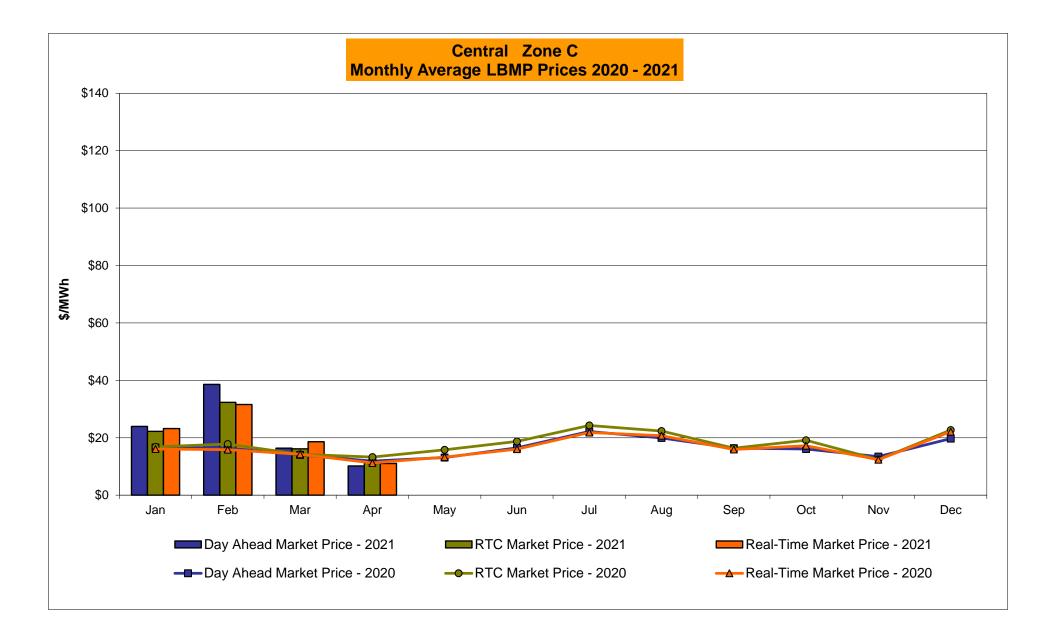
April 2021 Zonal LBMP Statistics for NYISO (\$/MWh)

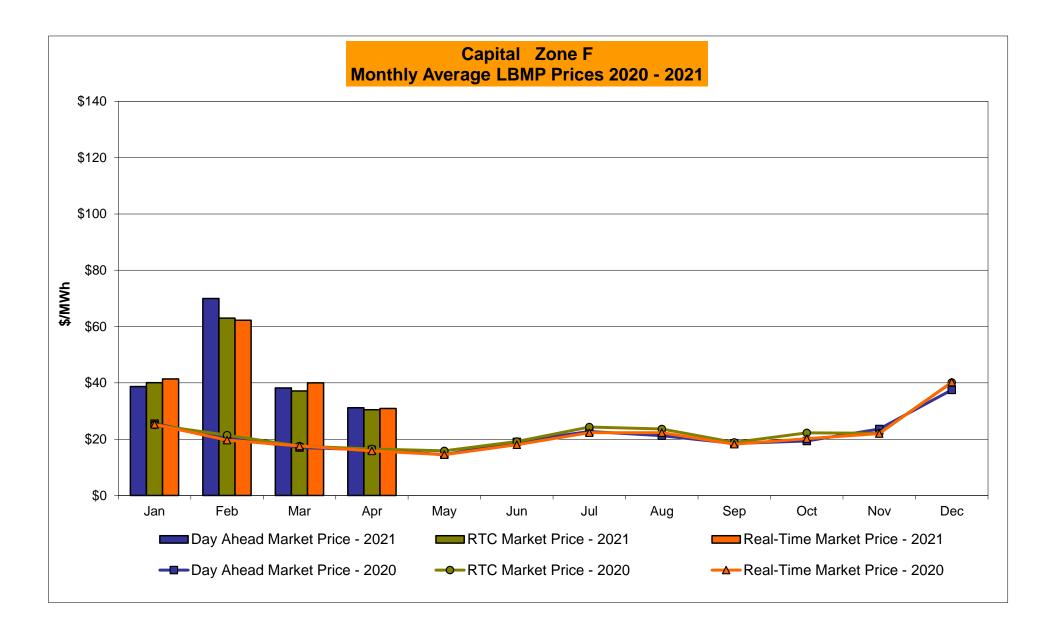
					MOHAWK		HUDSON			NEW YORK	LONG
	WEST	GENESEE	NORTH	CENTRAL	VALLEY	CAPITAL	VALLEY	MILLWOOD	DUNWOODIE	CITY	ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	<u>Zone H</u>	<u>Zone I</u>	<u>Zone J</u>	<u>Zone K</u>
DAY AHEAD LBMP											
Unweighted Price *	10.13	9.39	6.51	10.15	9.98	31.14	24.10	24.55	24.43	24.55	30.81
Standard Deviation	3.02	2.95	2.70	3.04	2.94	6.82	5.22	5.29	5.25	5.30	8.15
RTC LBMP											
Unweighted Price *	11.67	10.43	6.96	11.74	11.46	30.47	23.98	24.42	24.31	24.36	34.56
Standard Deviation	10.39	8.75	9.10	10.50	10.77	11.55	7.43	7.68	7.61	7.57	35.40
REAL TIME LBMP											
Unweighted Price *	11.00	10.15	7.04	11.03	10.75	30.91	24.87	25.41	25.30	25.40	31.46
Standard Deviation	13.54	13.87	15.39	13.66	13.85	18.96	12.34	12.85	12.73	12.66	21.66

	ONTARIO IESO	HYDRO QUEBEC (Wheel)	HYDRO QUEBEC (Import/Export)	PJM	NEW ENGLAND	CROSS SOUND CABLE	NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
						<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>
	<u>Zone O</u>	Zone M	<u>Zone M</u>	Zone P	Zone N	Line	Line	Line	Line	Line	Line
DAY AHEAD LBMP	0.70	0.00	0.00	47.70	07.47	00.00	00.05	00.50	04.00	04.40	0.00
Unweighted Price *	9.73	6.88	6.88	17.70	27.17	30.88	28.35	29.58	24.22	24.46	6.36
Standard Deviation	2.88	2.72	2.72	3.87	5.81	8.84	6.15	8.16	5.07	5.23	2.57
RTC LBMP											
Unweighted Price *	10.82	7.42	7.42	18.45	26.42	34.36	33.41	33.11	22.89	24.11	6.53
Standard Deviation	8.93	8.57	8.57	6.71	8.87	35.80	35.09	34.64	13.06	7.54	14.81
REAL TIME LBMP											
Unweighted Price *	10.44	7.50	7.50	18.55	25.40	31.49	26.14	30.22	23.39	25.26	7.04
Standard Deviation	13.09	15.36	15.36	9.61	24.53	23.09	40.58	20.56	18.56	12.77	15.01

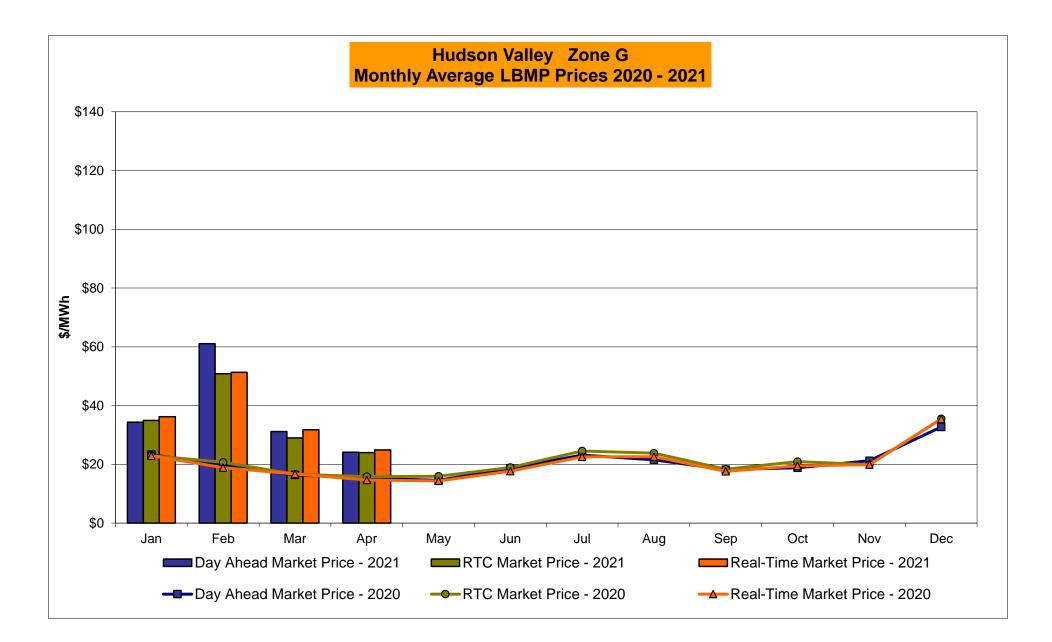
* Straight LBMP averages

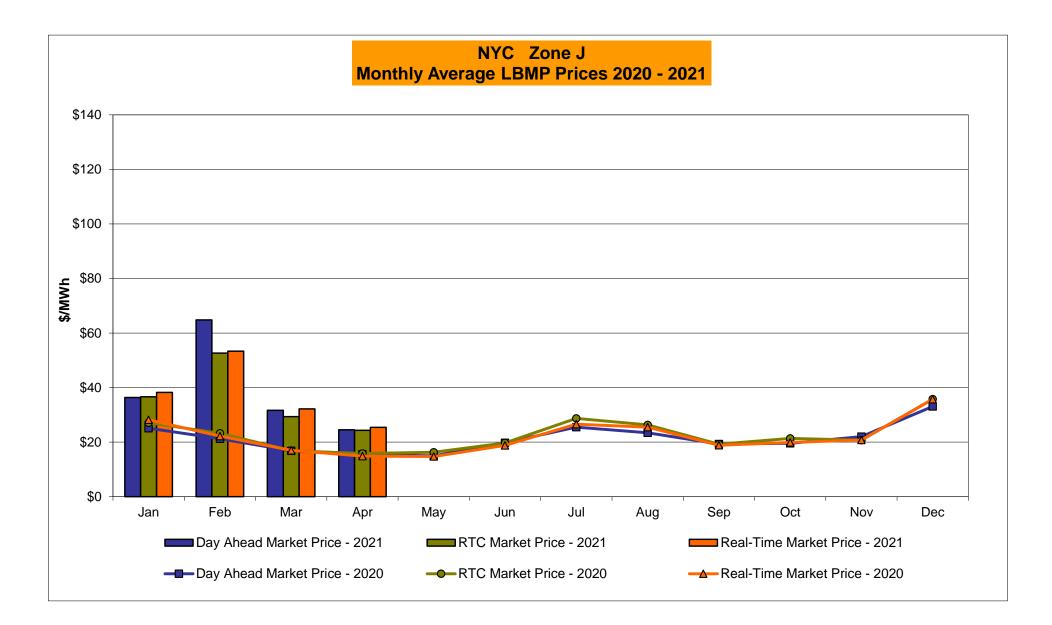


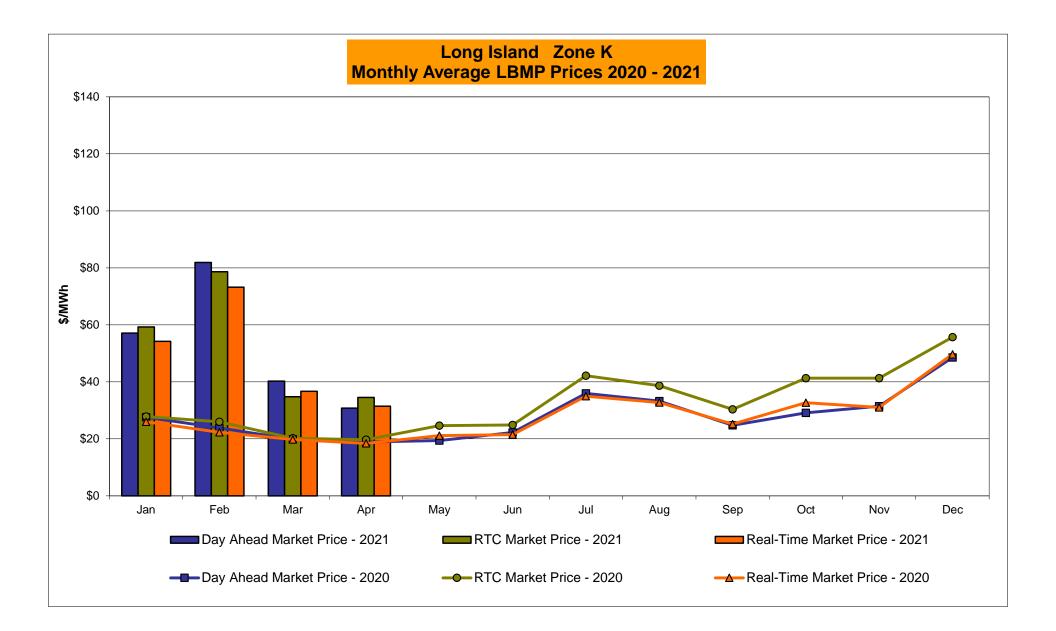


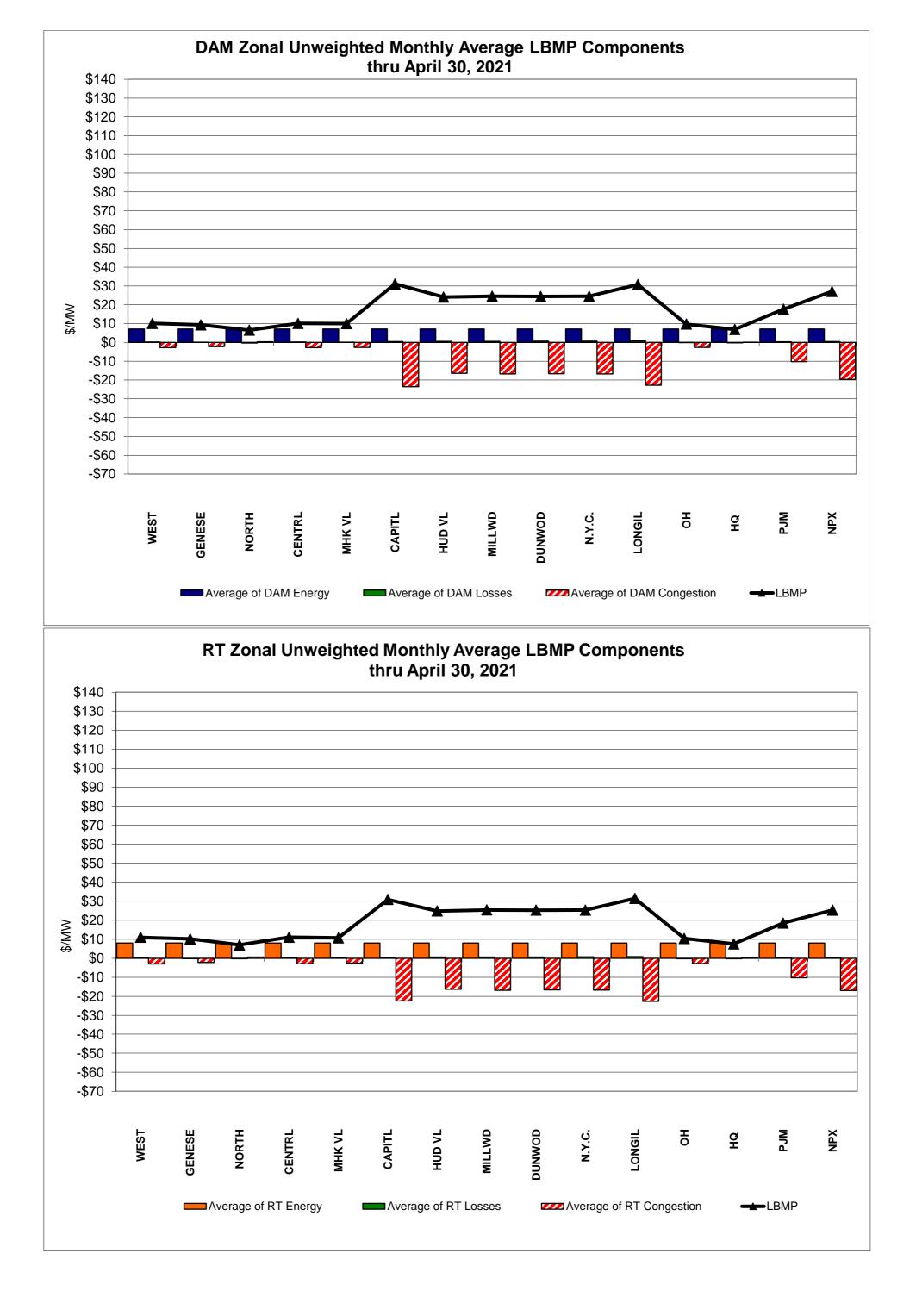


Market Mitigation and Analysis Prepared:5/19/2021 7:48 PM

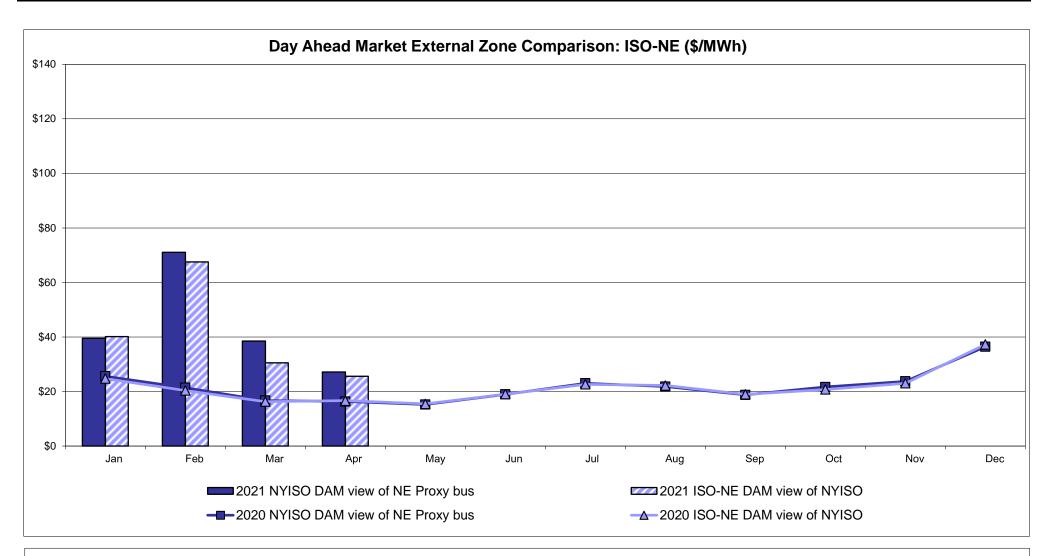


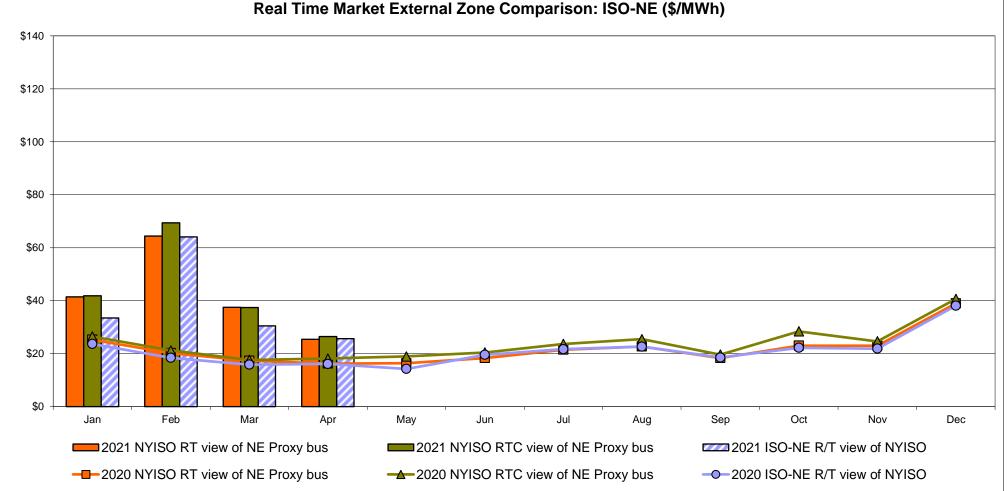


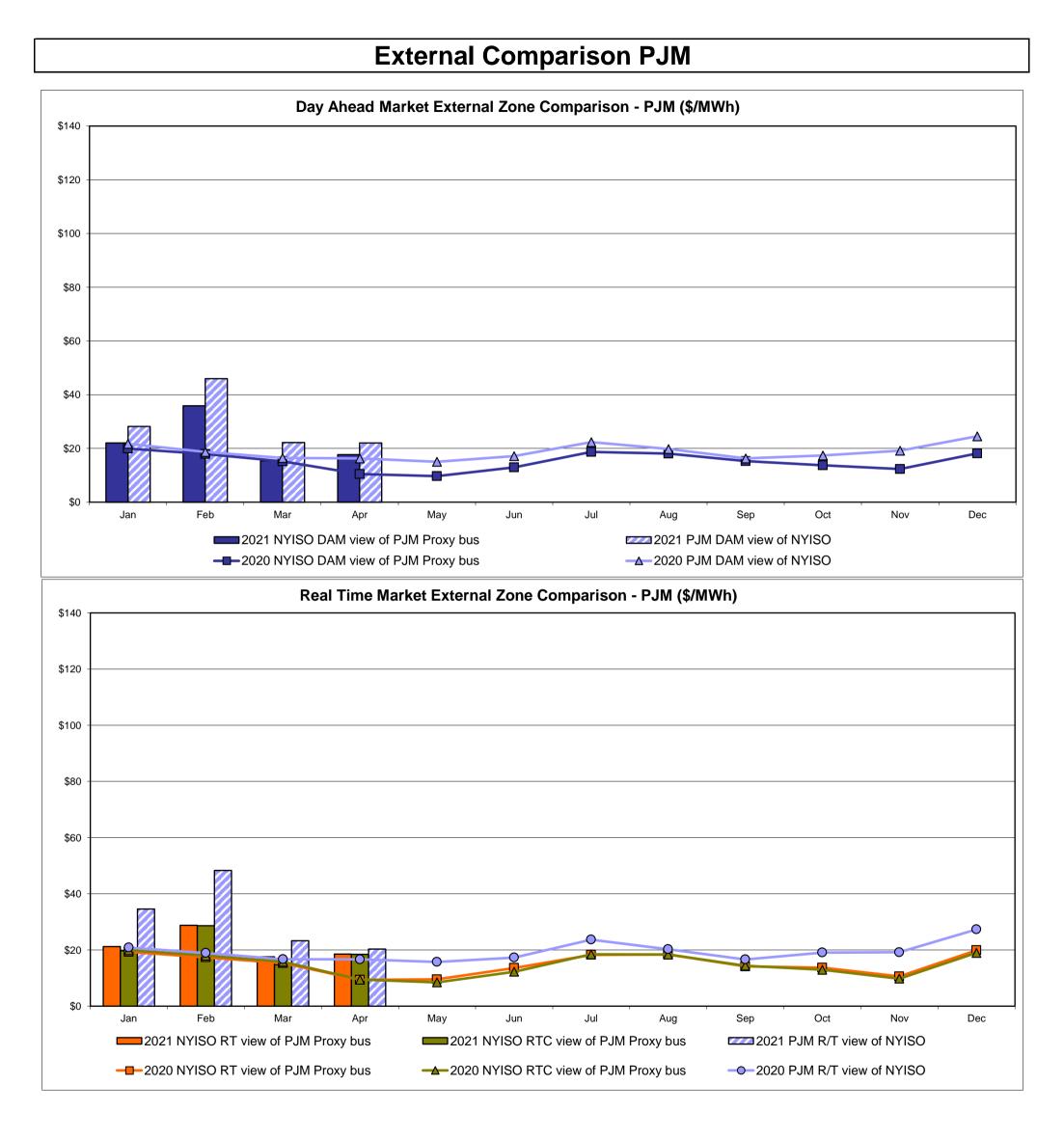




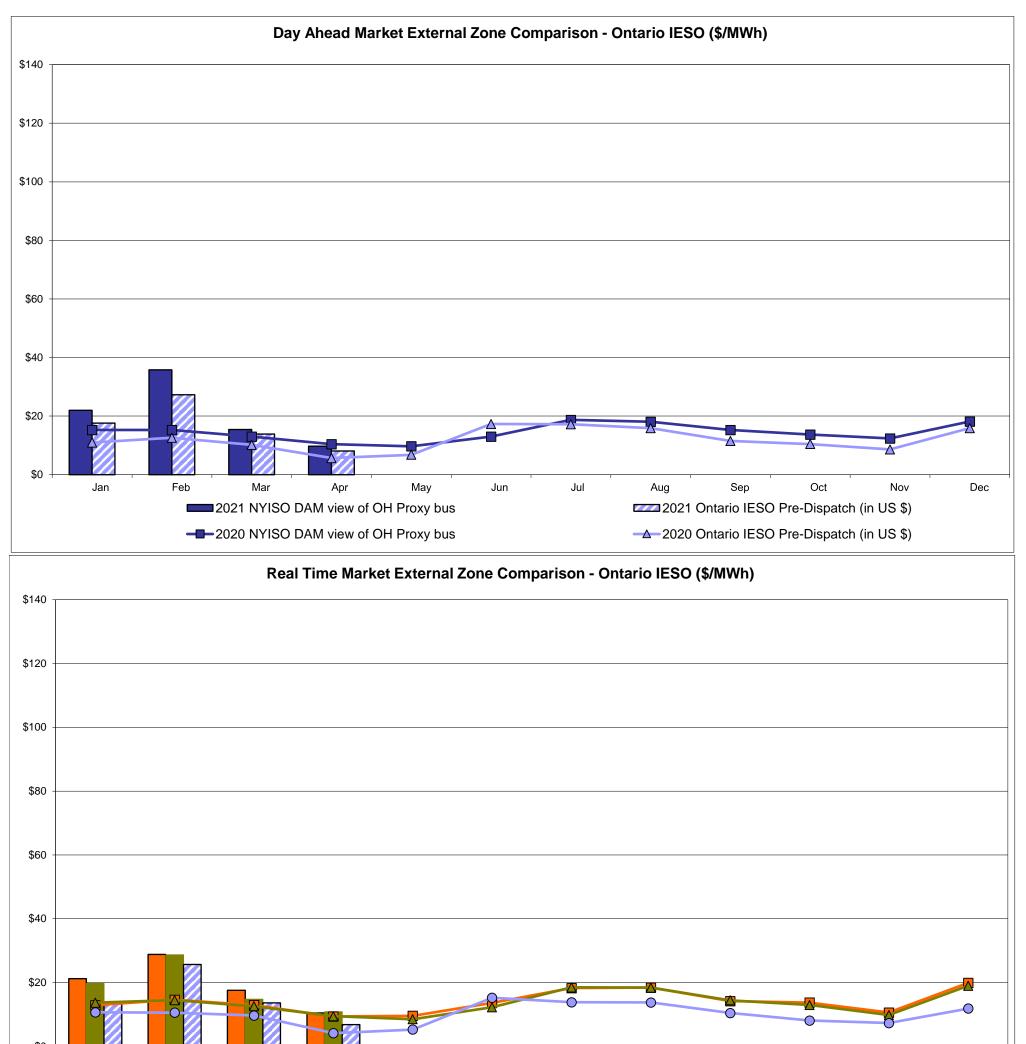
External Comparison ISO-New England







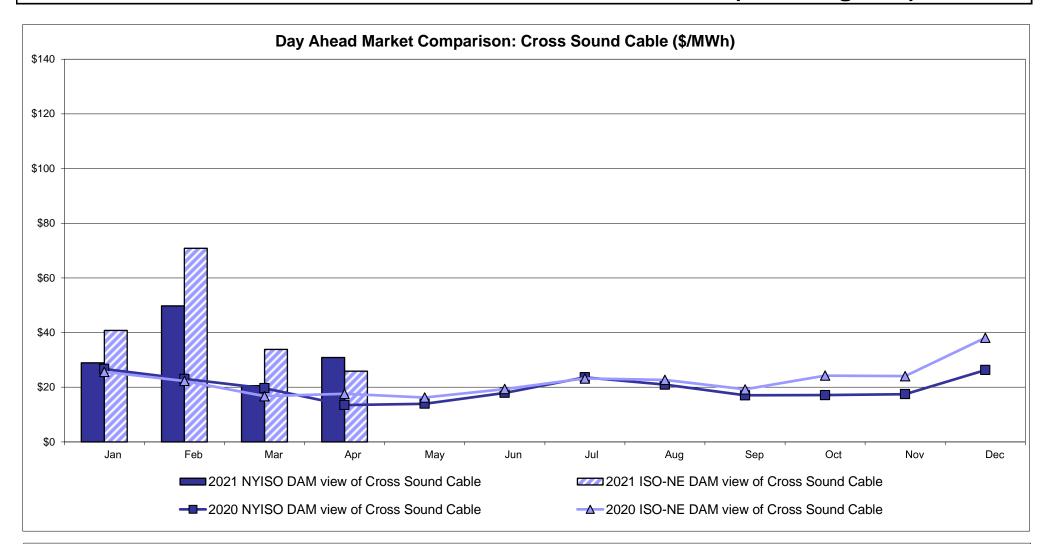
External Comparison Ontario IESO



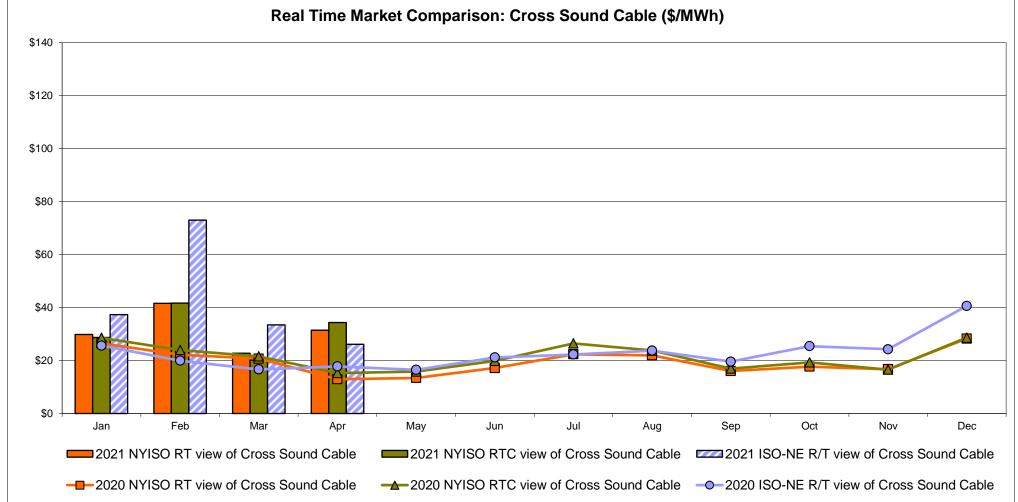
\$0 +	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2 02	1 NYISO RT v	iew of OH Pro	oxy bus	2021	NYISO RTC	view of OH F	Proxy bus	2021	Ontario IESC) HOEP (in US	\$ \$)
	 202	0 NYISO RT v	iew of OH Pro	oxy bus	 2020	NYISO RTC	view of OH F	Proxy bus	-0-2020	Ontario IESC	HOEP (in US	S \$)

Notes: Exchange factor used for April 2021 was 0.800384184408516 to US HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price

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External Controllable Line: Cross Sound Cable (New England)

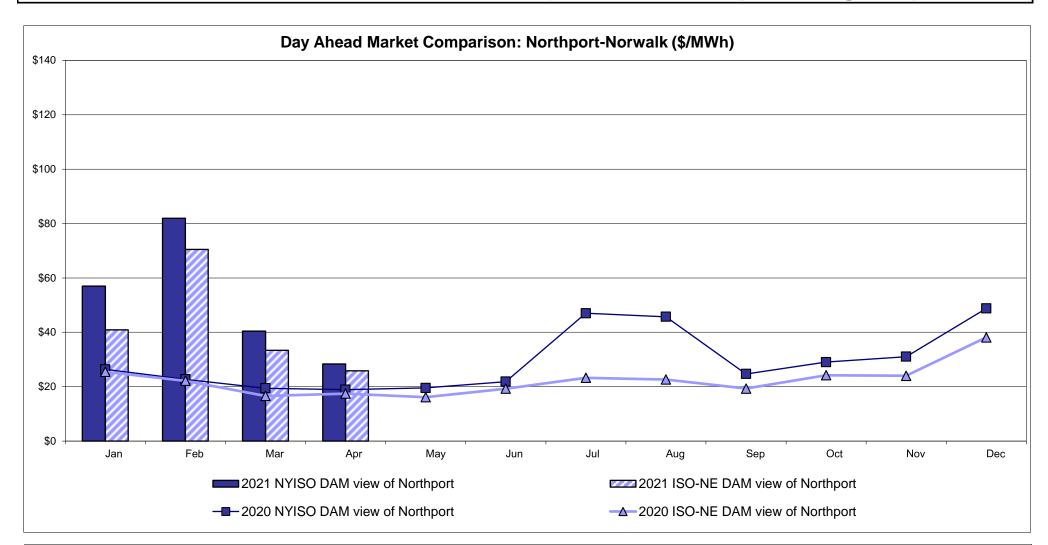


Note:

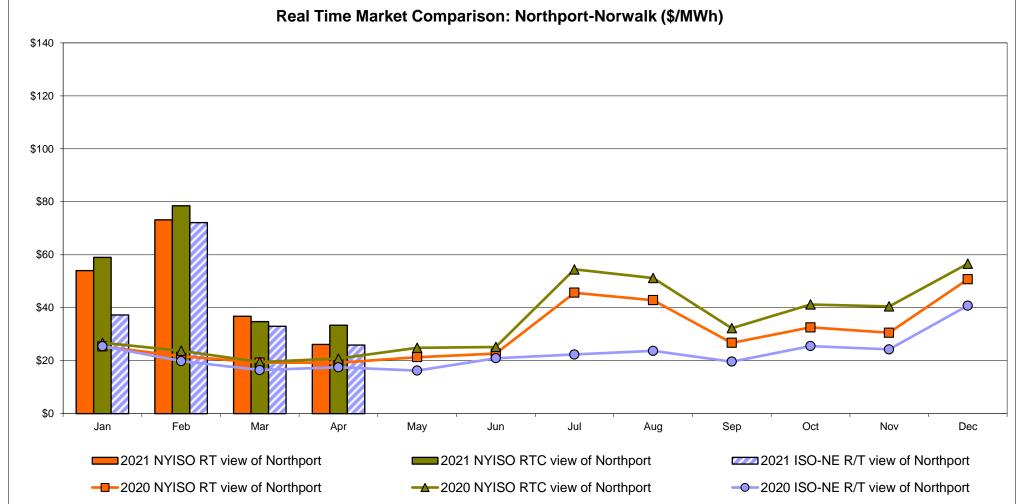
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)



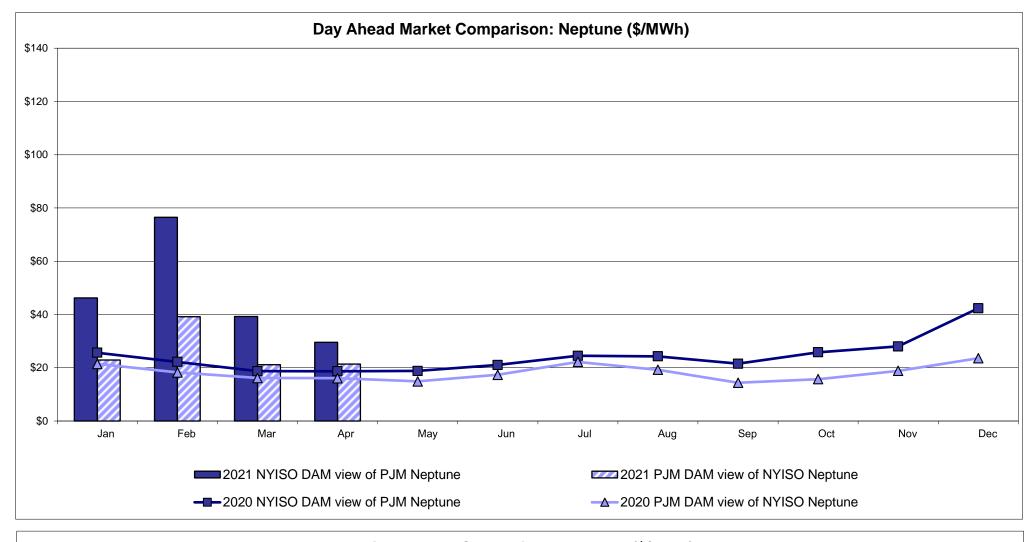
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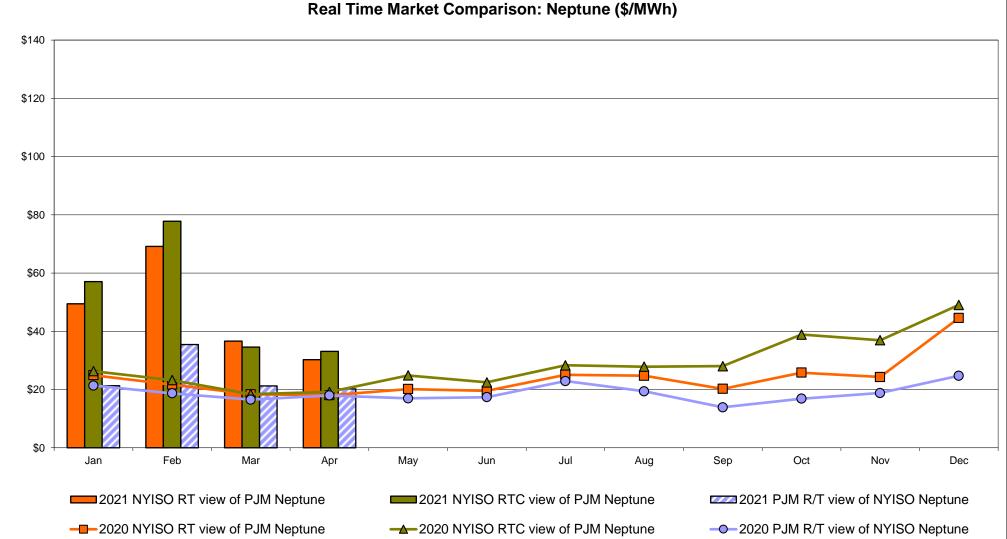
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

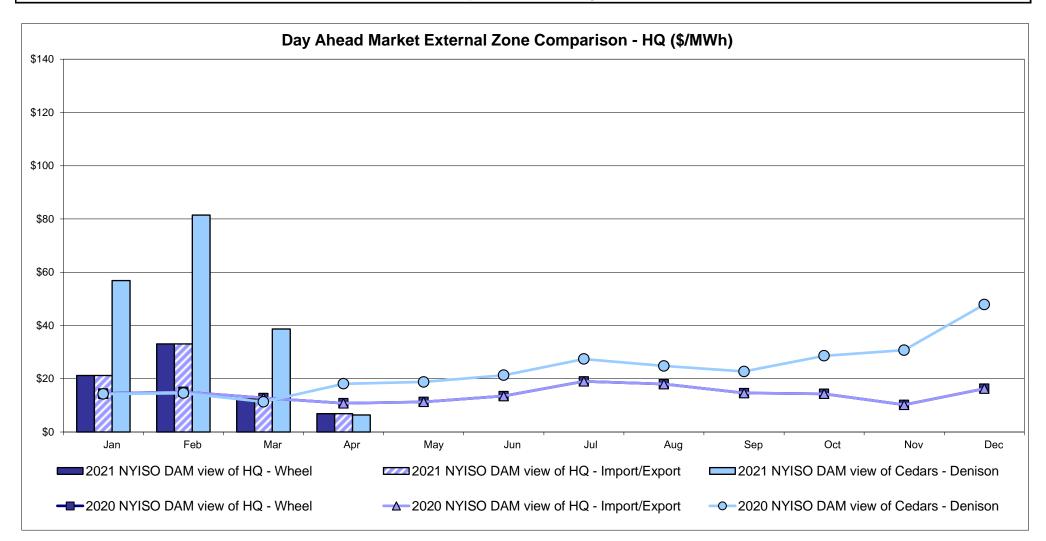
The DAM and R/T prices at the 1385 interface are used for NYISO.

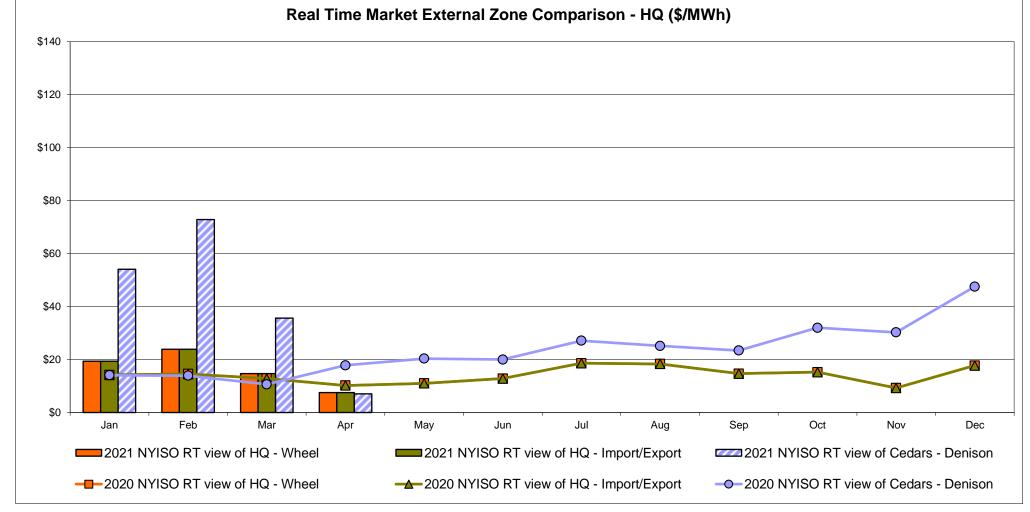
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

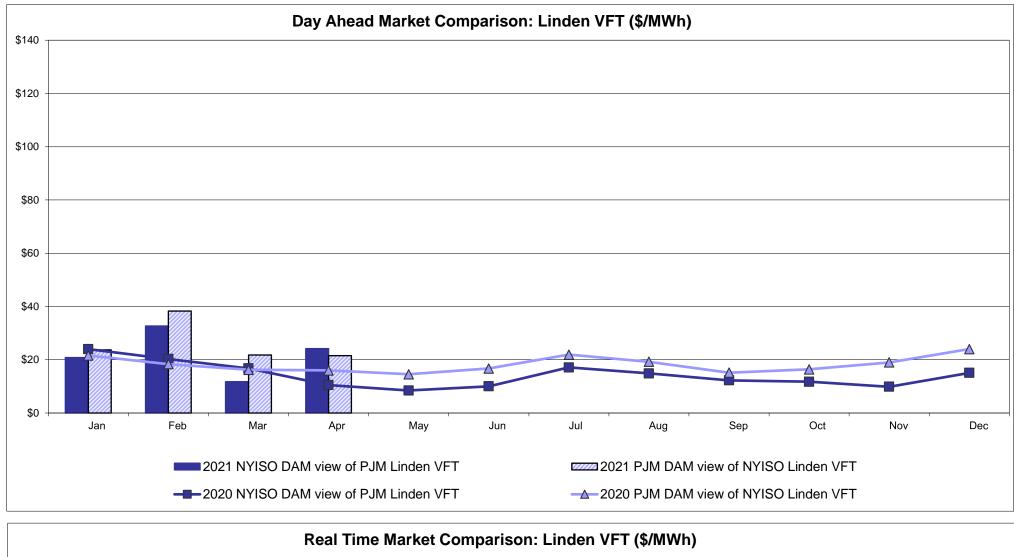


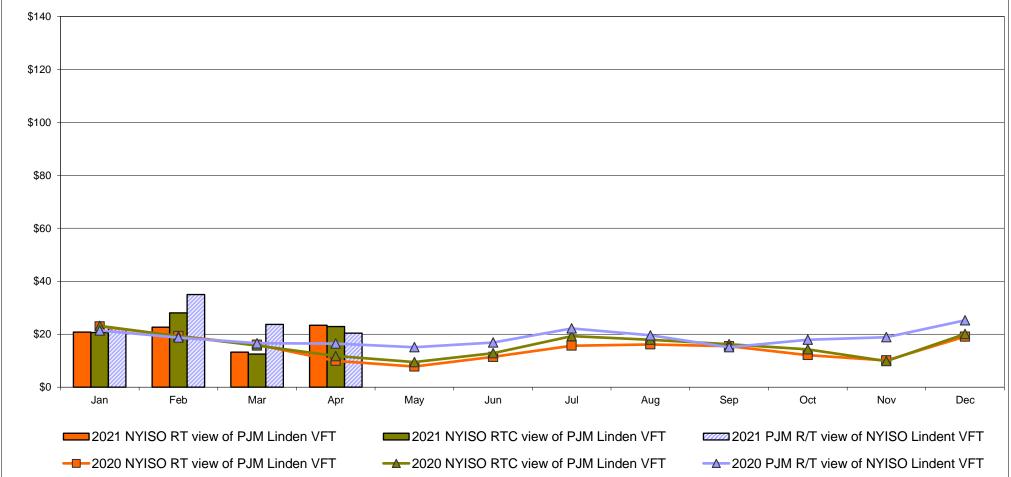


Note:

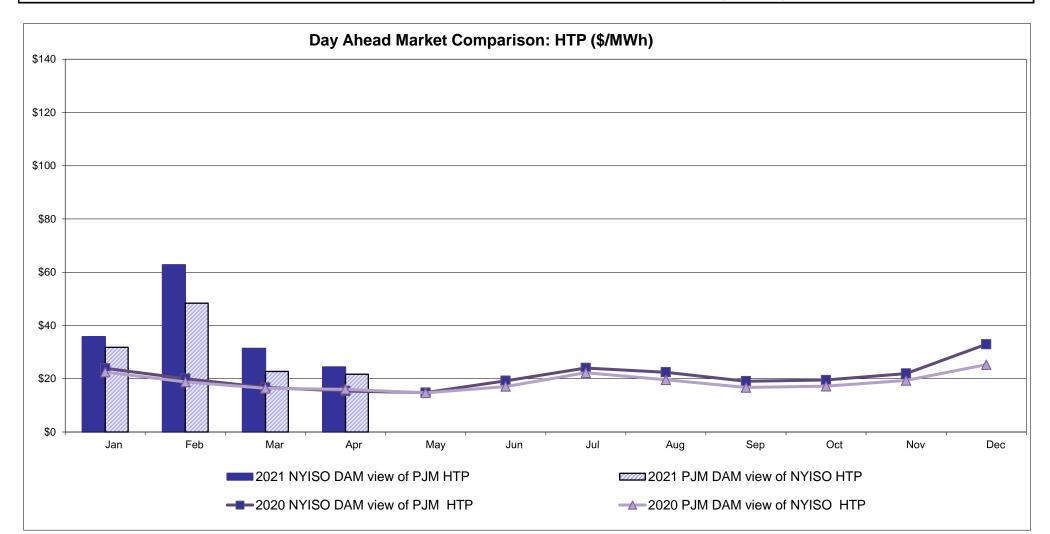
Hydro-Quebec Prices are unavailable.

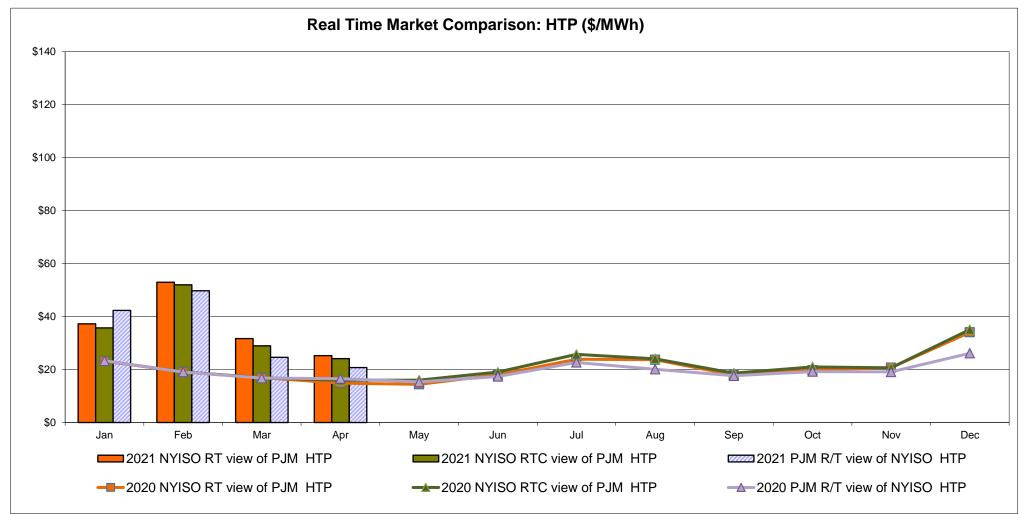
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)



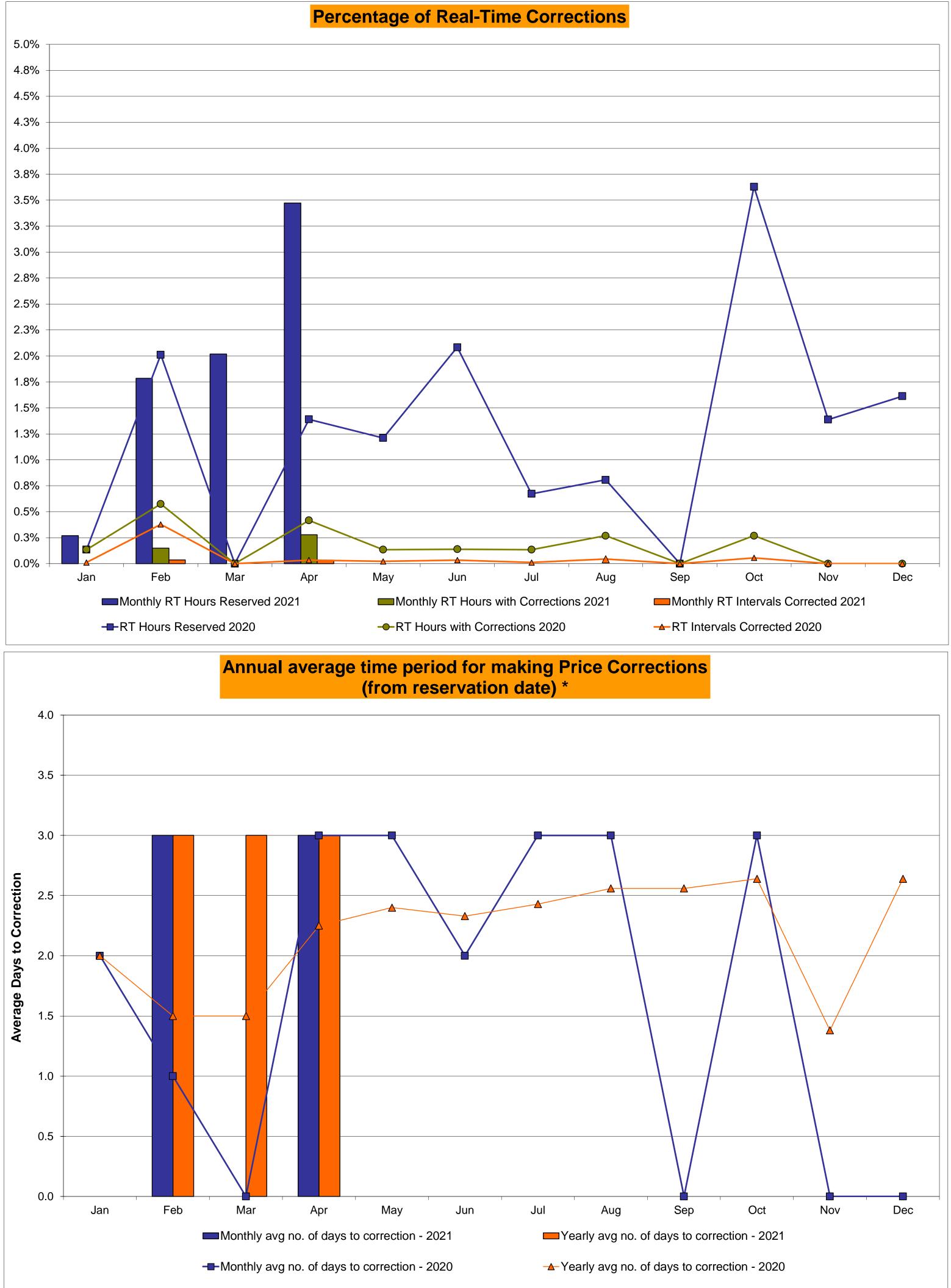


NYISO Real Time Price Correction Statistics

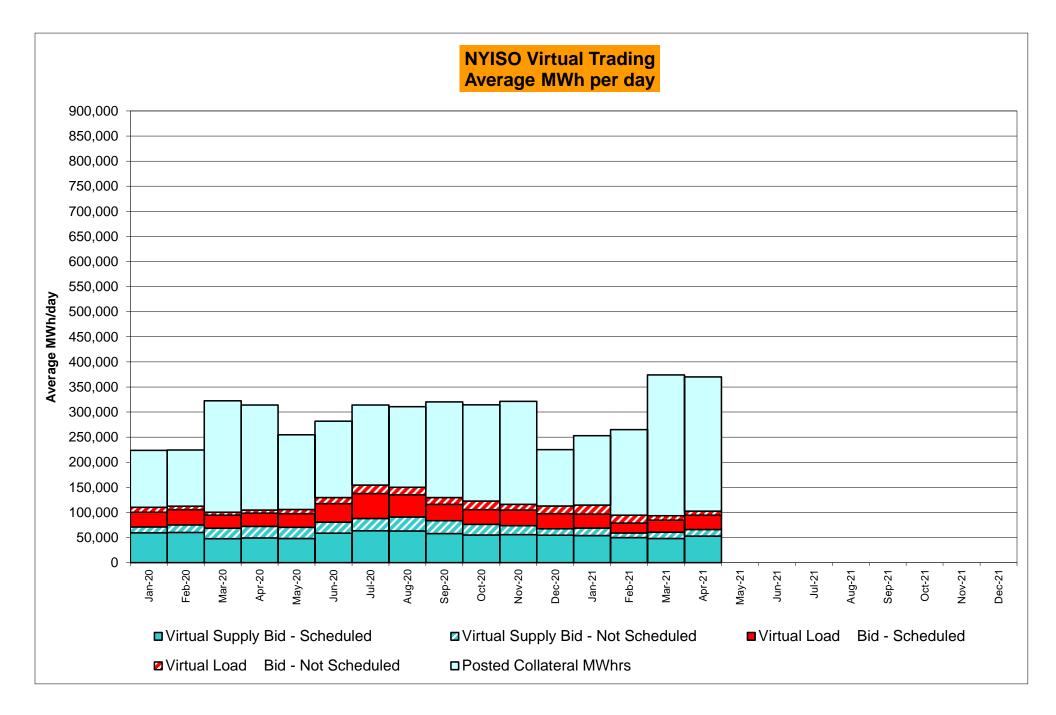
<u>2021</u>		<u>January</u>	February	March	<u>April</u>	May	June	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Hour Corrections					_								
Number of hours with corrections	in the month	0	1	0	2								
Number of hours	in the month	744	672	743	720								
% of hours with corrections	in the month	0.00%	0.15%	0.00%	0.28%								
% of hours with corrections	year-to-date	0.00%	0.07%	0.05%	0.10%								
Interval Corrections													
Number of intervals corrected	in the month	0	3	0	3								
Number of intervals	in the month	9,095	8,236	9,100	8,827								
% of intervals corrected	in the month	0.00%	0.04%	0.00%	0.03%								
% of intervals corrected	year-to-date	0.00%	0.02%	0.01%	0.02%								
Hours Reserved													
Number of hours reserved	in the month	2	12	15	25								
Number of hours	in the month	744	672	743	720								
% of hours reserved	in the month	0.27%	1.79%	2.02%	3.47%								
% of hours reserved	year-to-date	0.27%	0.99%	1.34%	1.88%								
Days to Correction *	,												
Avg. number of days to correction	in the month	0.00	3.00	0.00	3.00								
Avg. number of days to correction	year-to-date	0.00	3.00	3.00	3.00								
Days Without Corrections	,												
Days without corrections	in the month	31	27	31	28								
Days without corrections	year-to-date	31	58	89	117								
0000			Labruan.	Marah	ا تعد ۸	Max	luna	1	A	Contombor	Octobor	N las ranala a r	Deeewaheer
2020		<u>January</u>	February	<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>
Hour Corrections		<u>January</u>				<u>May</u>	<u>June</u>			<u>September</u>			
Hour Corrections Number of hours with corrections	in the month	1	4	0	3	1	1	1	2	0	2	0	0
Hour Corrections Number of hours with corrections Number of hours	in the month	1 744	4 696	0 743	3 720	1 744	1 720	1 744	2 744	0 720	2 744	0 721	0 744
Hour Corrections Number of hours with corrections		1	4	0	3	1	1	1	2	0	2	0	0
Hour Corrections Number of hours with corrections Number of hours	in the month	1 744	4 696	0 743	3 720	1 744	1 720	1 744	2 744	0 720	2 744	0 721	0 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	1 744 0.13%	4 696 0.57%	0 743 0.00%	3 720 0.42%	1 744 0.13%	1 720 0.14%	1 744 0.13%	2 744 0.27%	0 720 0.00%	2 744 0.27%	0 721 0.00%	0 744 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month in the month	1 744 0.13%	4 696 0.57%	0 743 0.00%	3 720 0.42%	1 744 0.13%	1 720 0.14%	1 744 0.13%	2 744 0.27%	0 720 0.00%	2 744 0.27%	0 721 0.00%	0 744 0.00%
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	1 744 0.13%	4 696 0.57% 0.35%	0 743 0.00% 0.23%	3 720 0.42% 0.28%	1 744 0.13% 0.25%	1 720 0.14% 0.23%	1 744 0.13%	2 744 0.27% 0.22%	0 720 0.00% 0.20%	2 744 0.27% 0.20%	0 721 0.00% 0.19%	0 744 0.00% 0.17%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals corrected	in the month in the month year-to-date in the month	1 744 0.13% <u>0.13%</u> 1	4 696 0.57% <u>0.35%</u> 32	0 743 0.00% <u>0.23%</u> 0	3 720 0.42% 0.28% 3	1 744 0.13% <u>0.25%</u> 2	1 720 0.14% <u>0.23%</u> 3	1 744 0.13% <u>0.22%</u> 1	2 744 0.27% 0.22% 4	0 720 0.00% <u>0.20%</u> 0	2 744 0.27% <u>0.20%</u> 5	0 721 0.00% <u>0.19%</u> 0	0 744 0.00% <u>0.17%</u> 0
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals	in the month in the month year-to-date in the month in the month	1 744 0.13% <u>0.13%</u> 1 9,088	4 696 0.57% 0.35% 32 8,460	0 743 0.00% <u>0.23%</u> 0 9,011	3 720 0.42% 0.28% 3 8,776	1 744 0.13% <u>0.25%</u> 2 9,030	1 720 0.14% 0.23% 3 8,826	1 744 0.13% <u>0.22%</u> 1 9,128	2 744 0.27% 0.22% 4 9,156	0 720 0.00% 0.20% 0 8,810	2 744 0.27% 0.20% 5 9,048	0 721 0.00% <u>0.19%</u> 0 8,790	0 744 0.00% <u>0.17%</u> 0 9,083
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals corrected	in the month in the month year-to-date in the month in the month in the month	1 744 0.13% <u>0.13%</u> 1 9,088 0.01%	4 696 0.57% <u>0.35%</u> 32 8,460 0.38%	0 743 0.00% <u>0.23%</u> 0 9,011 0.00%	3 720 0.42% 0.28% 3 8,776 0.03%	1 744 0.13% <u>0.25%</u> 2 9,030 0.02%	1 720 0.14% <u>0.23%</u> 3 8,826 0.03%	1 744 0.13% 0.22% 1 9,128 0.01%	2 744 0.27% 0.22% 4 9,156 0.04%	0 720 0.00% 0.20% 0 8,810 0.00%	2 744 0.27% <u>0.20%</u> 5 9,048 0.06%	0 721 0.00% 0.19% 0 8,790 0.00%	0 744 0.00% <u>0.17%</u> 0 9,083 0.00%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals corrected% of intervals corrected% of intervals corrected	in the month in the month year-to-date in the month in the month in the month	1 744 0.13% <u>0.13%</u> 1 9,088 0.01%	4 696 0.57% <u>0.35%</u> 32 8,460 0.38%	0 743 0.00% <u>0.23%</u> 0 9,011 0.00%	3 720 0.42% 0.28% 3 8,776 0.03%	1 744 0.13% <u>0.25%</u> 2 9,030 0.02%	1 720 0.14% <u>0.23%</u> 3 8,826 0.03%	1 744 0.13% 0.22% 1 9,128 0.01%	2 744 0.27% 0.22% 4 9,156 0.04%	0 720 0.00% 0.20% 0 8,810 0.00%	2 744 0.27% <u>0.20%</u> 5 9,048 0.06%	0 721 0.00% 0.19% 0 8,790 0.00%	0 744 0.00% <u>0.17%</u> 0 9,083 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month in the month year-to-date	1 744 0.13% <u>0.13%</u> 1 9,088 0.01%	4 696 0.57% <u>0.35%</u> 32 8,460 0.38% 0.19%	0 743 0.00% <u>0.23%</u> 0 9,011 0.00% 0.12%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10%	1 744 0.13% <u>0.25%</u> 2 9,030 0.02% 0.09%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06%	0 720 0.00% <u>0.20%</u> 0 8,810 0.00% 0.06%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06%	0 721 0.00% 0.19% 0 8,790 0.00% 0.05%	0 744 0.00% <u>0.17%</u> 0 9,083 0.00% 0.05%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% number of intervals corrected	in the month in the month year-to-date in the month in the month year-to-date in the month	1 744 0.13% 0.13% 1 9,088 0.01% 0.01% 1	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10	1 744 0.13% <u>0.25%</u> 2 9,030 0.02% <u>0.09%</u> 9	1 720 0.14% <u>0.23%</u> 3 8,826 0.03% <u>0.08%</u> 15	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6	0 720 0.00% 0.20% 0 8,810 0.00% 0.06%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 27	0 721 0.00% 0.19% 0 8,790 0.00% 0.00% 0.05%	0 744 0.00% <u>0.17%</u> 0 9,083 0.00% <u>0.05%</u> 12
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with corrections <u>Mumber of hours with corrections</u> Interval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reservedNumber of hours% of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month in the month in the month	1 744 0.13% 0.13% 0.13% 1 9,088 0.01% 0.01% 1 744 0.13%	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01%	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39%	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81%	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0 720 0.00%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 0.06% 27 744 3.63%	0 721 0.00% 0.19% 0 8,790 0.00% 0.00% 0.05% 10 721 1.39%	0 744 0.00% <u>0.17%</u> 9,083 0.00% <u>0.05%</u> 12 744 1.61%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedNumber of hours reservedNumber of hours reservedNumber of hours	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month	1 744 0.13% 0.13% 1 9,088 0.01% 0.01% 1 744	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0 720	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 27 744	0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721	0 744 0.00% <u>0.17%</u> 0 9,083 0.00% <u>0.05%</u> 12 744
Hour Corrections Number of hours with corrections Number of hours with corrections % of hours with corrections % of hours with corrections Mumber of intervals corrected Number of intervals corrected % of hours reserved Number of hours % of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month year-to-date	1 744 0.13% 0.13% 0.13% 1 9,088 0.01% 0.01% 1 744 0.13% 0.13%	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01% 1.04%	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00% 0.69%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39% 0.86%	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21% 0.93%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08% 1.12%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67% 1.06%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81% 1.02%	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0 720 0.00% 0.91%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 27 744 3.63% 1.19%	0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721 1.39% 1.21%	0 744 0.00% 0.17% 0 9,083 0.00% 0.05% 12 744 1.61% 1.24%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reservedNumber of hours reserved% of hours reserved <tr< td=""><td>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 in the month</td><td>1 744 0.13% 0.13% 0.13% 1 9,088 0.01% 0.01% 0.01% 1 744 0.13% 0.13% 0.13% 2.00</td><td>4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01% 1.04% 1.00</td><td>0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00% 0.69% 0.00</td><td>3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39% 0.86% 3.00</td><td>1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21% 0.93% 3.00</td><td>1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08% 1.12% 2.00</td><td>1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67% 1.06% 3.00</td><td>2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81% 1.02% 3.00</td><td>0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0.06% 0.00% 0.91% 0.00</td><td>2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 0.06% 27 744 3.63% 1.19% 3.00</td><td>0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721 1.39% 1.21% 0.00</td><td>0 744 0.00% 0.17% 9,083 0.00% 0.05% 12 744 1.61% 1.24% 0.00</td></tr<>	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 in the month	1 744 0.13% 0.13% 0.13% 1 9,088 0.01% 0.01% 0.01% 1 744 0.13% 0.13% 0.13% 2.00	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01% 1.04% 1.00	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00% 0.69% 0.00	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39% 0.86% 3.00	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21% 0.93% 3.00	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08% 1.12% 2.00	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67% 1.06% 3.00	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81% 1.02% 3.00	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0.06% 0.00% 0.91% 0.00	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 0.06% 27 744 3.63% 1.19% 3.00	0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721 1.39% 1.21% 0.00	0 744 0.00% 0.17% 9,083 0.00% 0.05% 12 744 1.61% 1.24% 0.00
Hour Corrections Number of hours with corrections Number of hours with corrections % of hours with corrections % of hours with corrections Mumber of intervals corrected Number of intervals corrected % of hours reserved Number of hours % of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month year-to-date	1 744 0.13% 0.13% 0.13% 1 9,088 0.01% 0.01% 1 744 0.13% 0.13%	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01% 1.04%	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00% 0.69%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39% 0.86%	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21% 0.93%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08% 1.12%	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67% 1.06%	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81% 1.02%	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0 720 0.00% 0.91%	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 27 744 3.63% 1.19%	0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721 1.39% 1.21%	0 744 0.00% 0.17% 0 9,083 0.00% 0.05% 12 744 1.61% 1.24%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsMumber of intervals correctedNumber of intervals corrected% of hours reservedNumber of hours reserved% of hours reservedDays to Correction *Avg. number of days to correctionAvg. number of days to correctionDays Without Corrections	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month year-to-date in the month year-to-date	1 744 0.13% 0.13% 0.13% 1 9,088 0.01% 0.01% 0.01% 1 744 0.13% 0.13% 0.13% 2.00 2.00	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01% 1.04% 1.00 1.50	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00% 0.69% 0.00 1.50	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39% 0.86% 3.00 2.25	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21% 0.93% 3.00 2.40	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08% 1.12% 2.00 2.33	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67% 1.06% 3.00 2.43	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81% 1.02% 3.00 2.56	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0.06% 0.00% 0.91% 0.00 2.56	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 0.06% 27 744 3.63% 1.19% 3.00 2.64	0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721 1.39% 1.21% 0.00 1.38	0 744 0.00% 0.17% 9,083 0.00% 0.05% 12 744 1.61% 1.24% 0.00 2.64
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reservedNumber of hours reserved% of number of days to correctionAvg. 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 in the month	1 744 0.13% 0.13% 0.13% 1 9,088 0.01% 0.01% 0.01% 1 744 0.13% 0.13% 0.13% 2.00	4 696 0.57% 0.35% 32 8,460 0.38% 0.19% 14 696 2.01% 1.04% 1.00	0 743 0.00% 0.23% 0 9,011 0.00% 0.12% 0 743 0.00% 0.69% 0.00	3 720 0.42% 0.28% 3 8,776 0.03% 0.10% 10 720 1.39% 0.86% 3.00	1 744 0.13% 0.25% 2 9,030 0.02% 0.09% 9 744 1.21% 0.93% 3.00	1 720 0.14% 0.23% 3 8,826 0.03% 0.08% 15 720 2.08% 1.12% 2.00	1 744 0.13% 0.22% 1 9,128 0.01% 0.07% 5 744 0.67% 1.06% 3.00	2 744 0.27% 0.22% 4 9,156 0.04% 0.06% 6 744 0.81% 1.02% 3.00	0 720 0.00% 0.20% 0 8,810 0.00% 0.06% 0.06% 0.00% 0.91% 0.00	2 744 0.27% 0.20% 5 9,048 0.06% 0.06% 0.06% 27 744 3.63% 1.19% 3.00	0 721 0.00% 0.19% 0 8,790 0.00% 0.05% 10 721 1.39% 1.21% 0.00	0 744 0.00% 0.17% 0 9,083 0.00% 0.05% 12 744 1.61% 1.24% 0.00

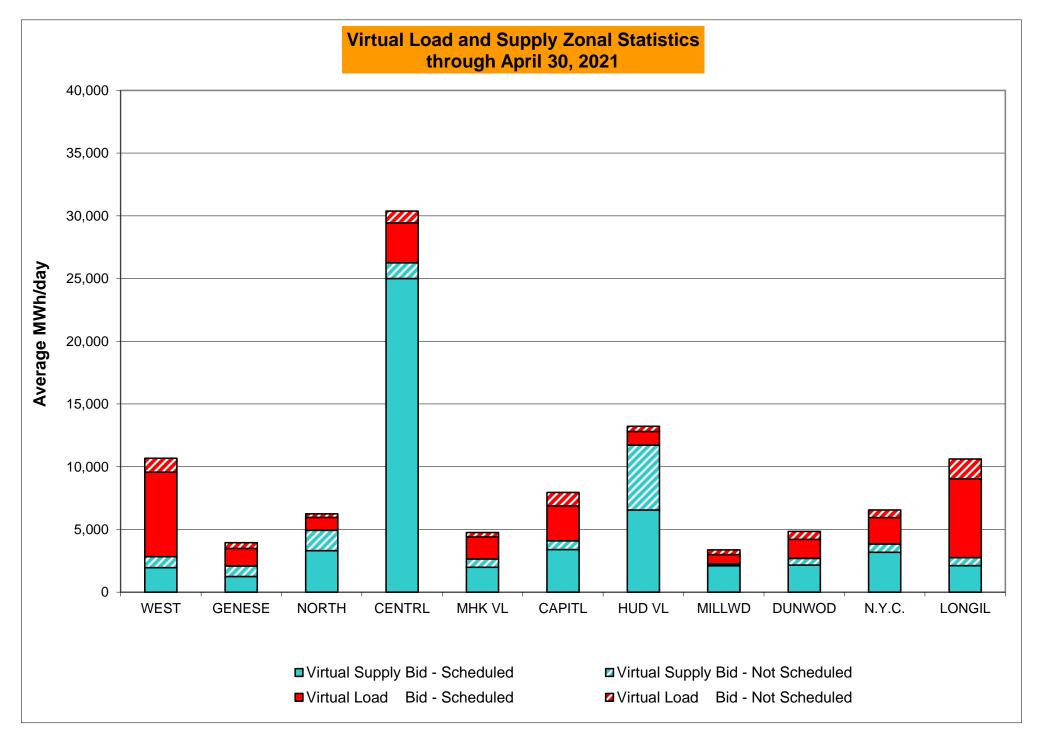
*Calendar days from reservation date; for June 2018 forward, business days from market date

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



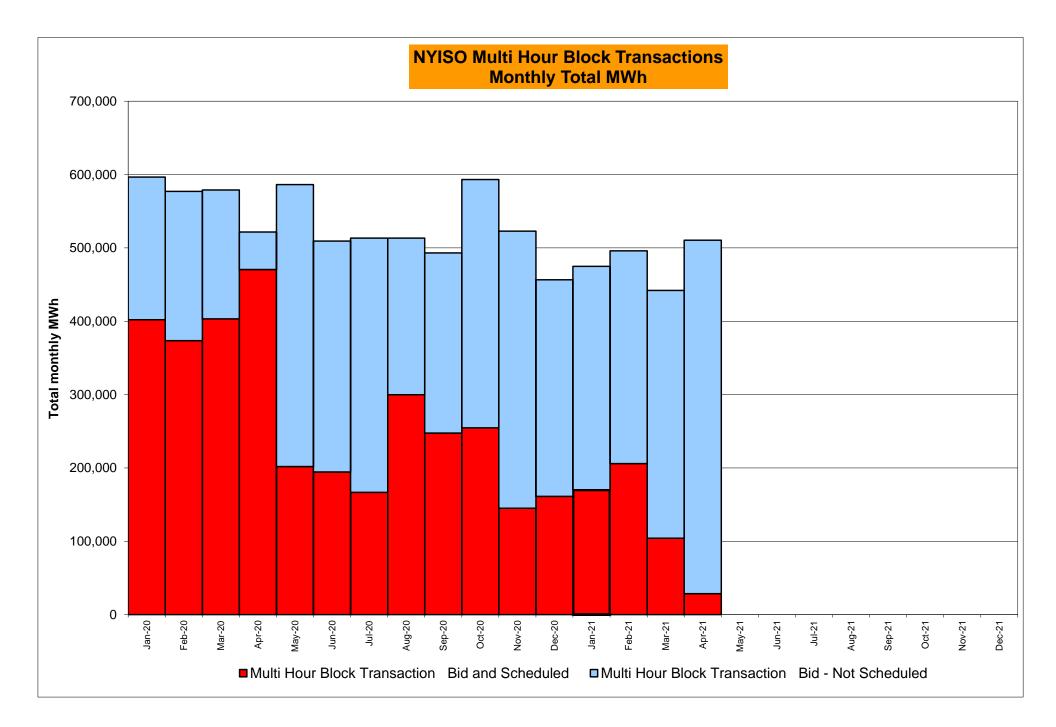
*Calendar days from reservation date; for June 2018 forward, business days from market date



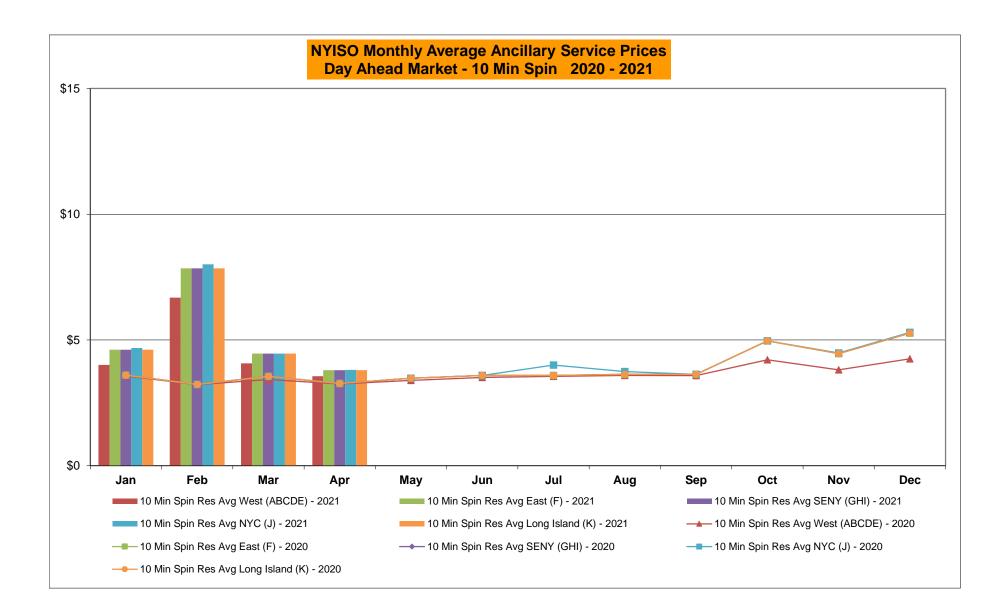


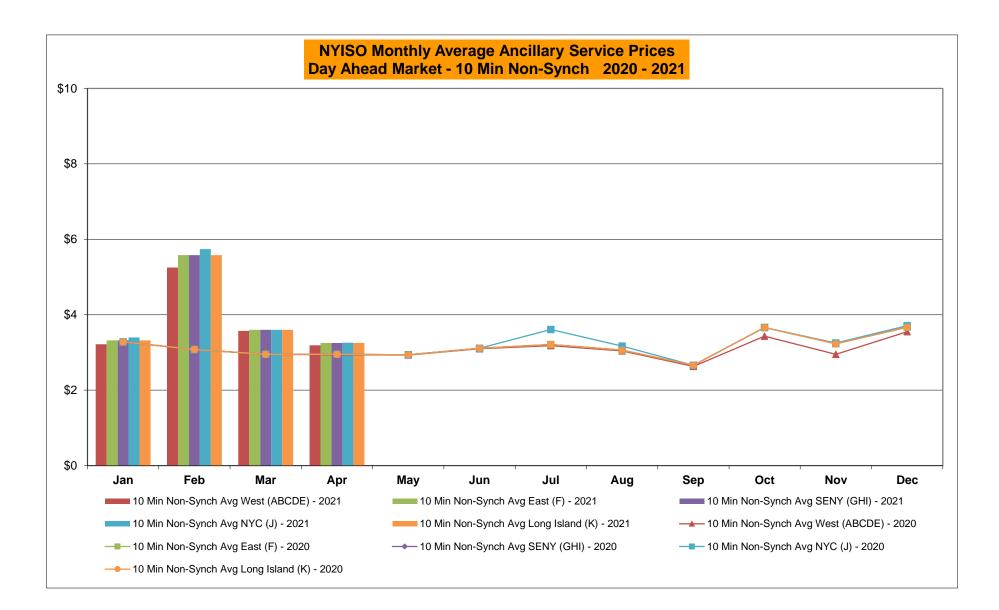
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2021

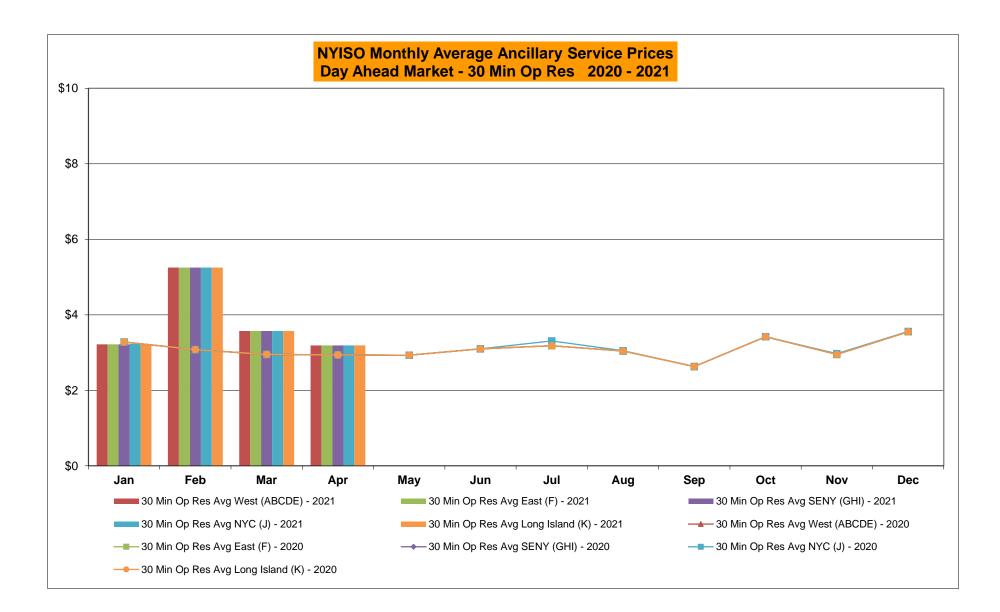
		Virtual L	.oad Bid	Virtual Su	ipply Bid			Virtual L	.oad Bid	Virtual Su	upply Bid			Virtual L	.oad Bid	Virtual Su	upply Bid
			Not		Not				Not		Not				Not		Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date			Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled		Scheduled
WEST	Jan-21	6,262	1,726	2,018	1,076	MHK VL	Jan-21	1,537	548	1,967	531	DUNWOD	Jan-21	1,881	2,339	2,000	
	Feb-21	4,588		1,842	959		Feb-21	1,031	584	2,081	392		Feb-21	912	1,806	2,015	
	Mar-21	5,696		1,144	893		Mar-21	1,669		1,402			Mar-21	1,303	817	1,780	
	Apr-21	6,747	1,100	1,948	873		Apr-21	1,741	366	1,982	670		Apr-21	1,519	638	2,166	524
	May-21 Jun-21						May-21						May-21				
	Jul-21					_	Jun-21 Jul-21						Jun-21 Jul-21				
	Aug-21						Aug-21						Aug-21				
	Sep-21						Sep-21						Sep-21				
	Oct-21					_	Oct-21						Oct-21				
	Nov-21						Nov-21						Nov-21				
	Dec-21						Dec-21						Dec-21				
	00021						00021						20021				
GENESE	Jan-21	1,117	329	1,085	853	CAPITL	Jan-21	3,046	1,995	2,207	792	N.Y.C.	Jan-21	3,486	2,580	2,503	679
	Feb-21	857	390	1,310	617		Feb-21	2,483	1,967	2,065	535		Feb-21	1,983	2,475	2,275	
	Mar-21	817			833		Mar-21	3,192		2,230	1,041		Mar-21	2,149	1,385	2,465	
	Apr-21	1,396	466	1,251	834		Apr-21	2,770	1,075	3,404	694		Apr-21	2,116	602	3,175	662
	May-21						May-21						May-21				
	Jun-21						Jun-21						Jun-21				
	Jul-21						Jul-21						Jul-21				
	Aug-21						Aug-21						Aug-21				
	Sep-21						Sep-21						Sep-21				
	Oct-21						Oct-21						Oct-21				
	Nov-21						Nov-21						Nov-21				
	Dec-21						Dec-21						Dec-21				
NORTH	Jan-21	830		3,280	1,220	HUD VL	Jan-21	1,666	1,215	5,917		LONGIL	Jan-21	4,341	4,976	3,261	
	Feb-21	405		2,654	1,258	_	Feb-21	1,685	1,148	4,967	2,247		Feb-21	3,899	3,560	1,758	
	Mar-21	641	125	,	2,052		Mar-21	1,013		5,555	,		Mar-21	4,846	2,196		
	Apr-21	1,031	278	3,310	1,622		Apr-21	1,096	411	6,547	5,166		Apr-21	6,288	1,581	2,121	631
	May-21 Jun-21						May-21 Jun-21						May-21 Jun-21				
	Jul-21						Jul-21						Jul-21				
	Aug-21						Aug-21						Aug-21				
	Sep-21						Sep-21						Sep-21				
	Oct-21						Oct-21						Oct-21				
	Nov-21						Nov-21						Nov-21				
	Dec-21						Dec-21						Dec-21				
CENTRL	Jan-21	2,124		28,034	1,094	MILLWD		1,368		1,820		NYISO	Jan-21	27,659	17,816		
	Feb-21	1,357	1,102	27,531	954		Feb-21	530	541	1,463			Feb-21	19,732	15,526	49,963	
	Mar-21	2,108		24,874	888		Mar-21	731	240	1,732			Mar-21	24,164	8,780		
	Apr-21	3,179	941	25,006	1,249		Apr-21	775	359	2,106	126		Apr-21	28,658	7,818	53,015	13,052
	May-21 Jun-21						May-21 Jun-21						May-21 Jun-21				
	Jun-21 Jul-21						Jun-21 Jul-21						Jun-21 Jul-21				
	Aug-21 Sep-21						Aug-21 Sep-21						Aug-21 Sep-21				
	Oct-21						Oct-21					—	Oct-21				
	Nov-21						Nov-21						Nov-21				
	Dec-21						Dec-21						Dec-21				

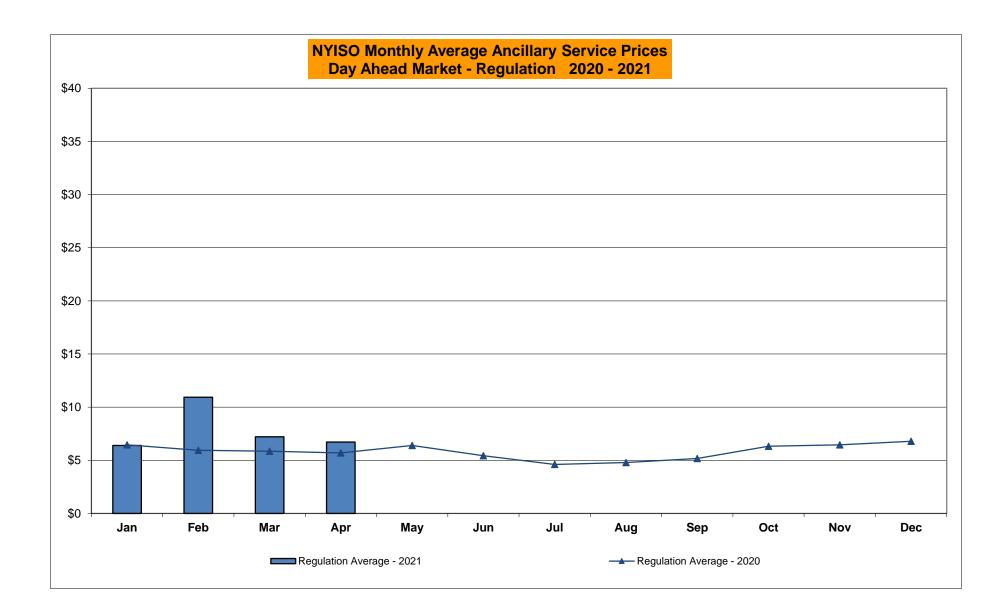


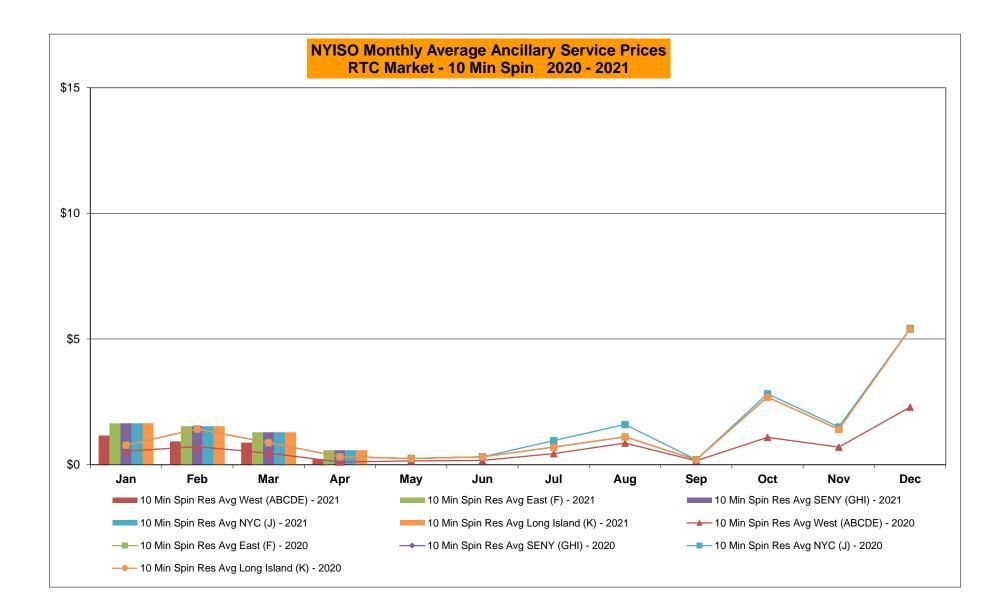
Market Mitigation and Analysis Prepared: 5/19/2021 7:47 PM

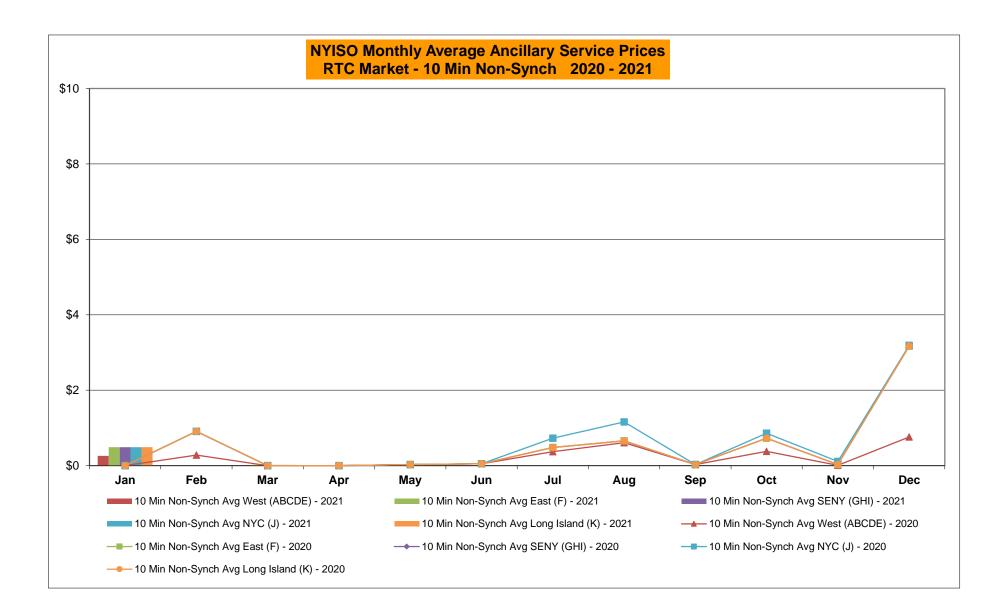


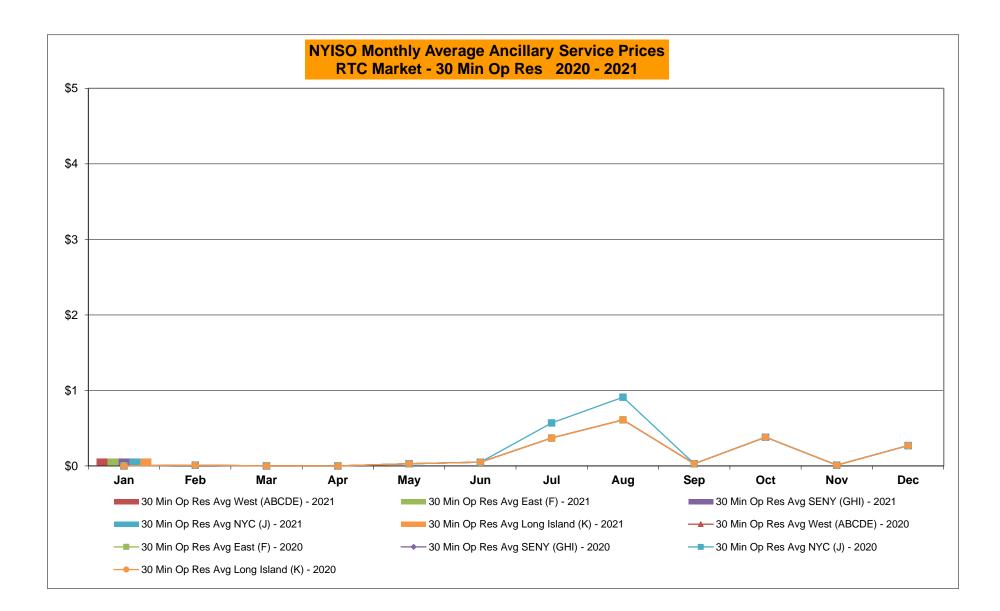


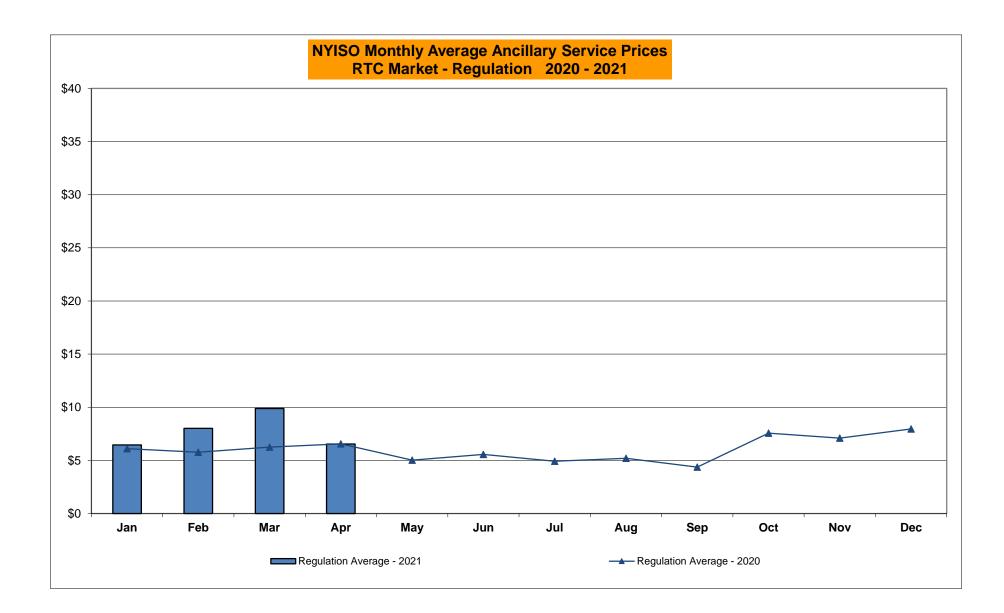


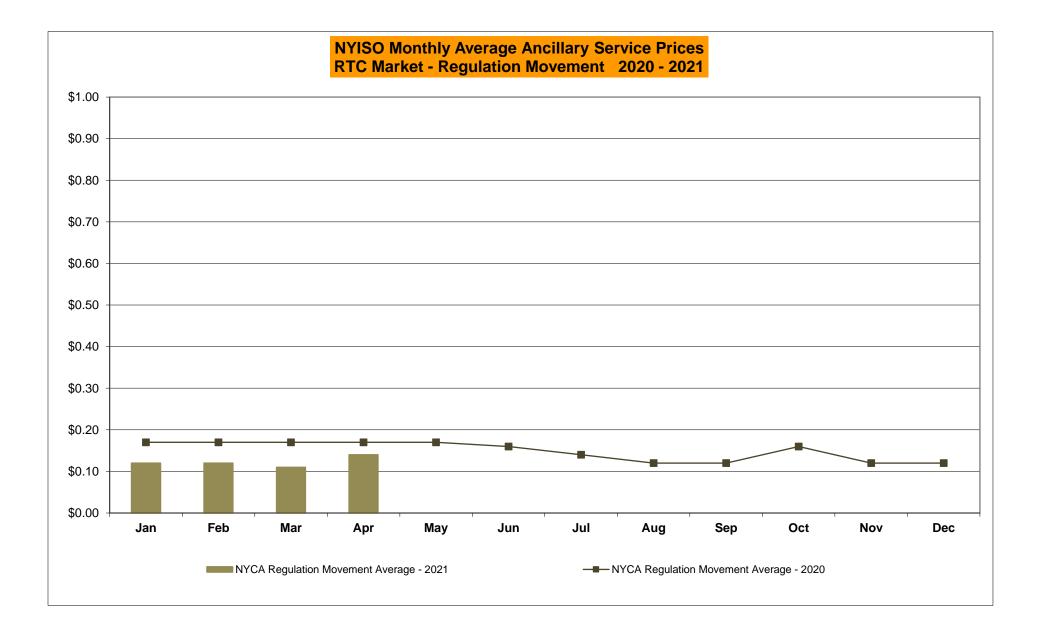


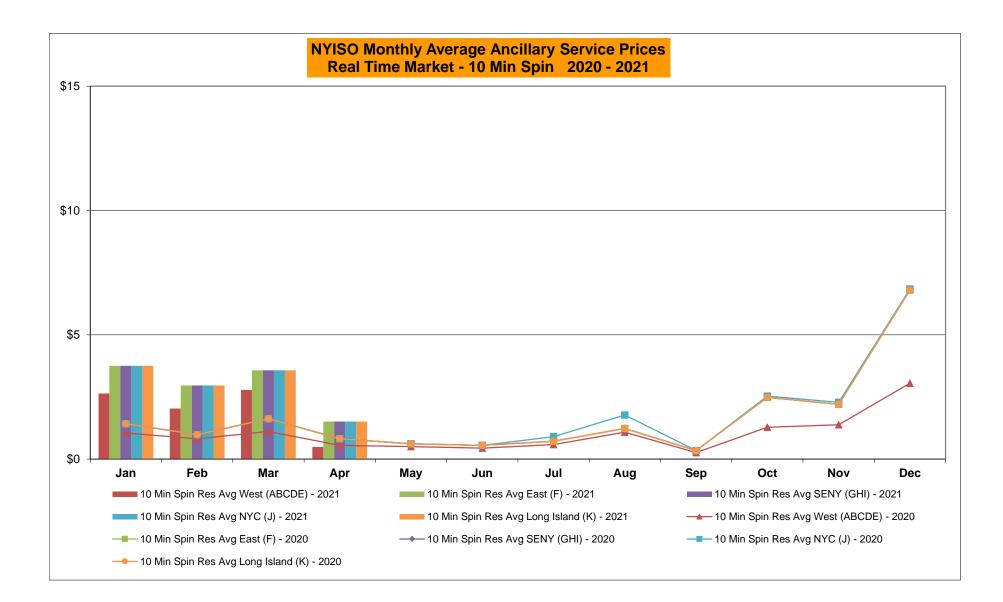


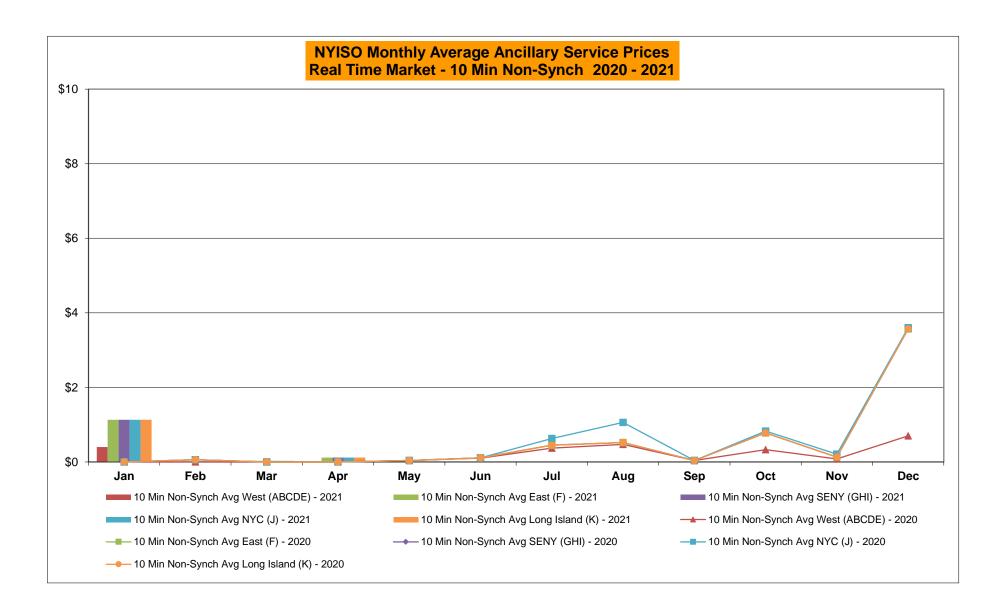


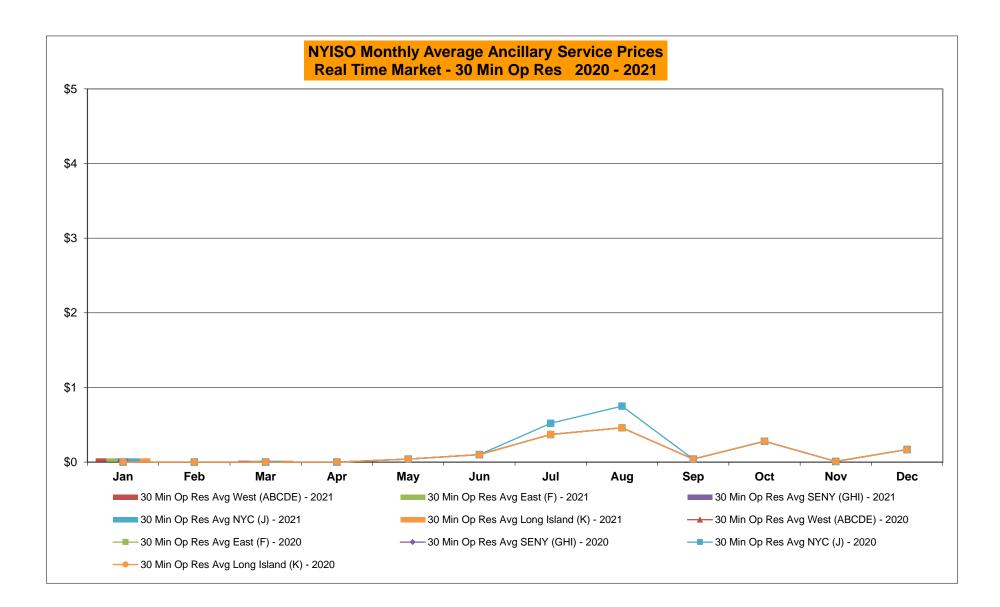


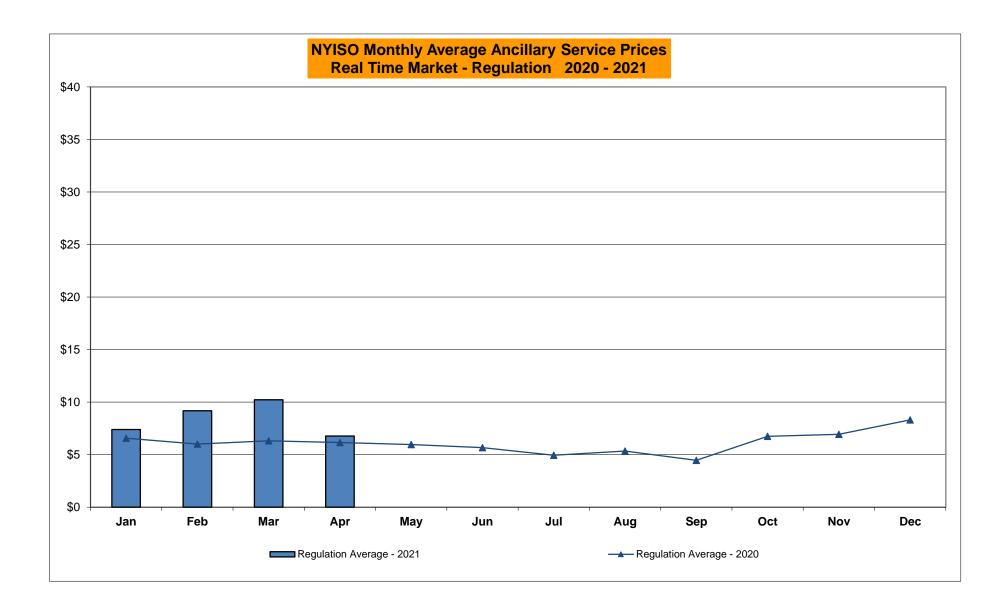


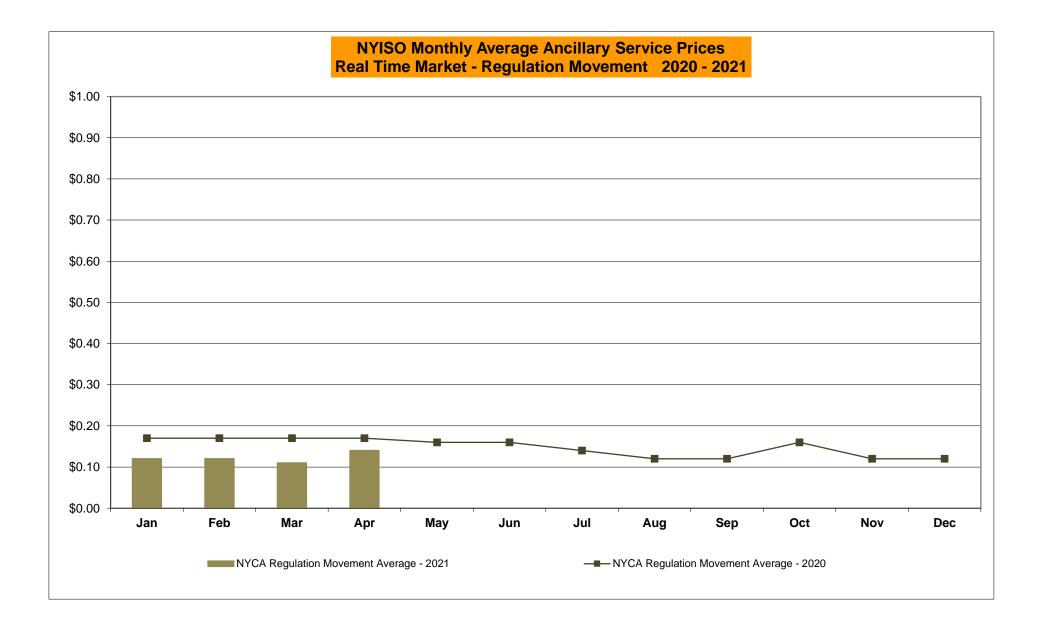












	IN FISO IVIALK	els Anci	liary Serv	ices Sia	<u>1151105 - (</u>	Jnweign			<u>vn) - Dai</u>	<u>/ </u>
2021	January	February	March	<u>April</u>	May	June	<u>July</u>	August	<u>September</u>	(
Day Ahead Market										
10 Min Spin Long Island (K)	4.61	7.85	4.46	3.80						
10 Min Spin NYC (J)	4.68	8.01	4.46	3.81						
10 Min Spin SENY (GHI)	4.61	7.85	4.46	3.80						
10 Min Spin East (F)	4.61	7.85	4.46	3.80						
10 Min Spin West (ABCDE)	4.01	6.68	4.07	3.56						
10 Min Non Synch Long Island (K)	3.32	5.58	3.60	3.25						
10 Min Non Synch NYC (J)	3.40	5.74	3.60	3.26						
10 Min Non Synch SENY (GHI)	3.32	5.58	3.60	3.25						
10 Min Non Synch East (F)	3.32	5.58	3.60	3.25						
10 Min Non Synch West (ABCDE)	3.22	5.25	3.57	3.19						
30 Min Long Island (K)	3.22	5.25	3.57	3.19						
30 Min NYC (J)	3.23	5.25	3.57	3.19						
30 Min SENY (GHI)	3.22	5.25	3.57	3.19						
30 Min East (F)	3.22	5.25	3.57	3.19						
30 Min West (ABCDE)	3.22	5.25	3.57	3.19						
Regulation	6.40	10.93	7.21	6.72						
2020	January	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	C
Day Ahead Market	January	rebluary	<u>Indi Cit</u>		ividy	June	<u>501y</u>	August	<u>oeptember</u>	<u> </u>
10 Min Spin Long Island (K)	3.60	3.23	3.55	3.27	3.48	3.59	3.59	3.63	3.63	
10 Min Spin NYC (J)	3.60	3.23	3.55	3.27	3.48	3.64	4.00	3.74	3.63	
10 Min Spin SENY (GHI)	3.60	3.23	3.55	3.27	3.48	3.59	3.59	3.63	3.63	
10 Min Spin East (F)	3.60	3.23	3.55	3.27	3.48	3.59	3.59	3.63	3.63	
10 Min Spin West (ABCDE)	3.57	3.22	3.43	3.25	3.39	3.51	3.55	3.59	3.58	
10 Min Non Synch Long Island (K)	3.28	3.08	2.95	2.95	2.94	3.11	3.21	3.06	2.66	
10 Min Non Synch NYC (J)	3.28	3.08	2.95	2.95	2.94	3.17	3.61	3.17	2.66	
10 Min Non Synch SENY (GHI)	3.28	3.08	2.95	2.95	2.94	3.11	3.21	3.06	2.66	
10 Min Non Synch East (F)	3.28	3.08	2.95	2.95	2.94	3.11	3.21	3.06	2.66	
10 Min Non Synch West (ABCDE)	3.28	3.08	2.95	2.94	2.93	3.10	3.18	3.04	2.63	
30 Min Long Island (K)	3.28	3.08	2.95	2.94	2.93	3.10	3.18	3.04	2.63	
30 Min NYČ (J)	3.28	3.08	2.95	2.94	2.93	3.10	3.31	3.05	2.63	
30 Min SENY (GHI)	3.28	3.08	2.95	2.94	2.93	3.10	3.18	3.04	2.63	
30 Min East (F)	3.28	3.08	2.95	2.94	2.93	3.10	3.18	3.04	2.63	
30 Min West (ÁBCDE)	3.28	3.08	2.95	2.94	2.93	3.10	3.18	3.04	2.63	
Regulation	6.46	5.94	5.86	5.70	6.40	5.44	4.61	4.79	5.17	
-										

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

<u>October</u>

November

<u>December</u>

<u>October</u>	November	<u>December</u>
4.96	4.46	5.27
4.96	4.48	5.30
4.96	4.46	5.27
4.96	4.46	5.27
4.21	3.81	4.25
3.66	3.23	3.67
3.66	3.25	3.71
3.66	3.23	3.67
3.66	3.23	3.67
3.43	2.95	3.55
3.42	2.95	3.55
3.42	2.97	3.56
3.42	2.95	3.55
3.42	2.95	3.55
3.42	2.95	3.55
6.32	6.45	6.79

	NYISO Mark	ets Ancil	lary Serv	rices Stat	tistics - I	<u>Unweigh</u>	ted Pric	e (\$/MV	<u>VH) - RTC</u>	2
2021	January	February	March	<u>April</u>	May	June	<u>July</u>	August	September	<u>C</u>
RTC Market	<u>+</u>	<u>,</u>								
10 Min Spin Long Island (K)	1.65	1.53	1.29	0.58						
10 Min Spin NYC (J)	1.65	1.53	1.29	0.58						
10 Min Spin SENY (GHI)	1.65	1.53	1.29	0.58						
10 Min Spin East (F)	1.65	1.53	1.29	0.58						
10 Min Spin West (ABCDE)	1.16	0.93	0.88	0.22						
10 Min Non Synch Long Island (K)	0.49	0.00	0.02	0.00						
10 Min Non Synch NYC (J)	0.49	0.00	0.02	0.00						
10 Min Non Synch SENY (GHI)	0.49	0.00	0.02	0.00						
10 Min Non Synch East (F)	0.49	0.00	0.02	0.00						
10 Min Non Synch West (ABCDE)	0.26	0.00	0.01	0.00						
30 Min Long Island (K)	0.10	0.00	0.01	0.00						
30 Min NYC (J)	0.10	0.00	0.01	0.00						
30 Min SENY (GHI)	0.10	0.00	0.01	0.00						
30 Min East (F)	0.10	0.00	0.01	0.00						
30 Min West (ABCDE)	0.10	0.00	0.01	0.00						
Regulation	6.46	8.02	9.88	6.54						
NYCA Regulation Movement	0.12	0.12	0.11	0.14						
2020	January	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>C</u>
RTC Market	<u>j</u>	<u> </u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>	_	<u></u>	
10 Min Spin Long Island (K)	0.78	1.42	0.88	0.32	0.25	0.31	0.70	1.11	0.20	
10 Min Spin NYC (J)	0.78	1.46	0.88	0.32	0.26	0.31	0.96	1.60	0.20	
10 Min Spin SENY (GHI)	0.78	1.42	0.88	0.32	0.25	0.31	0.70	1.11	0.20	
10 Min Spin East (F)	0.78	1.42	0.88	0.32	0.25	0.31	0.70	1.11	0.20	
10 Min Spin West (ABCDE)	0.54	0.72	0.46	0.11	0.15	0.17	0.44	0.86	0.16	
10 Min Non Synch Long Island (K)	0.00	0.91	0.00	0.00	0.03	0.05	0.48	0.66	0.03	
10 Min Non Synch NYC (J)	0.00	0.95	0.00	0.00	0.04	0.06	0.73	1.16	0.03	
10 Min Non Synch SENY (GHI)	0.00	0.91	0.00	0.00	0.03	0.05	0.48	0.66	0.03	
10 Min Non Synch East (F)	0.00	0.91	0.00	0.00	0.03	0.05	0.48	0.66	0.03	
10 Min Non Synch West (ABCDE)	0.00	0.28	0.00	0.00	0.03	0.05	0.37	0.61	0.03	
30 Min Long Island (K)	0.00	0.01	0.00	0.00	0.03	0.05	0.37	0.61	0.03	
30 Min NYC (J)	0.00	0.01	0.00	0.00	0.03	0.05	0.57	0.91	0.03	
30 Min SENY (GHI)	0.00	0.01	0.00	0.00	0.03	0.05	0.37	0.61	0.03	
30 Min East (F)	0.00	0.01	0.00	0.00	0.03	0.05	0.37	0.61	0.03	
30 Min West (ABCDE)	0.00	0.01	0.00	0.00	0.03	0.05	0.37	0.61	0.03	
Regulation	6.11	5.77	6.25	6.56	5.02	5.56	4.92	5.20	4.37	
NYCA Regulation Movement	0.17	0.17	0.17	0.17	0.17	0.16	0.14	0.12	0.12	

-.... -. -.

<u>October</u>

<u>November</u>

<u>December</u>

<u>October</u>	November	<u>December</u>
2.69	1.41	5.40
2.82	1.50	5.42
2.69	1.41	5.40
2.69	1.41	5.40
1.09	0.70	2.29
0.73	0.03	3.17
0.86	0.11	3.19
0.73	0.03	3.17
0.73	0.03	3.17
0.38	0.01	0.76
0.38	0.01	0.27
0.38	0.01	0.27
0.38	0.01	0.27
0.38	0.01	0.27
0.38	0.01	0.27
7.57	7.09	7.96
0.16	0.12	0.12

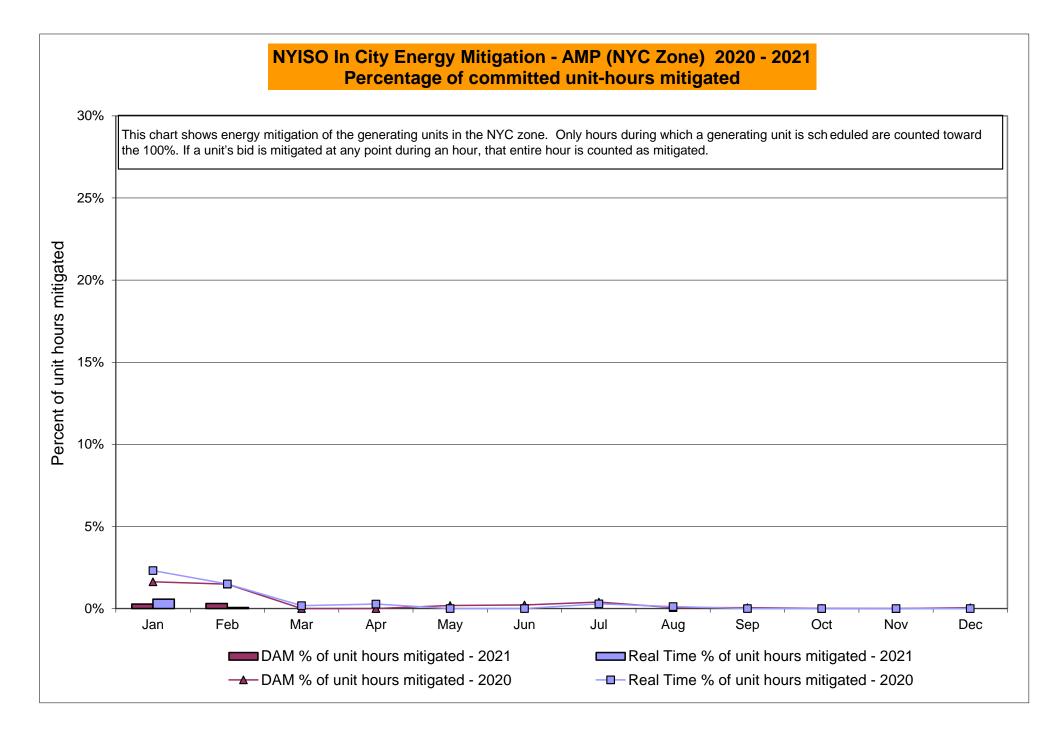
	NYISO Marl	kets Anc	illary Ser	vices Sta	atistics -	Unweig	hted Pri	<u>ce (\$/M</u>	<u>WH) - RT</u>	I
2021	January	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>(</u>
Real Time Market		<u> </u>	<u></u>	<u></u>	<u></u>	<u></u>	<u>•••·</u>	<u></u>	<u></u>	-
10 Min Spin Long Island (K)	3.75	2.96	3.57	1.51						
10 Min Spin NYC (J)	3.75	2.96	3.57	1.51						
10 Min Spin SENY (GHI)	3.75	2.96	3.57	1.51						
10 Min Spin East (F)	3.75	2.96	3.57	1.51						
10 Min Spin West (ABCDE)	2.64	2.03	2.78	0.49						
10 Min Non Synch Long Island (K)	1.13	0.02	0.03	0.12						
10 Min Non Synch NYC (J)	1.13	0.02	0.03	0.12						
10 Min Non Synch SENY (GHI)	1.13	0.02	0.03	0.12						
10 Min Non Synch East (F)	1.13	0.02	0.03	0.12						
10 Min Non Synch West (ABCDE)	0.40	0.00	0.02	0.00						
30 Min Long Island (K)	0.05	0.00	0.02	0.00						
30 Min NYC (J)	0.05	0.00	0.02	0.00						
30 Min SENY (GHI)	0.05	0.00	0.02	0.00						
30 Min East (F)	0.05	0.00	0.02	0.00						
30 Min West (ABCDE)	0.05	0.00	0.02	0.00						
Regulation	7.39	9.17	10.23	6.78						
NYCA Regulation Movement	0.12	0.12	0.11	0.14						
<u>2020</u>	January	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>(</u>
Real Time Market										
10 Min Spin Long Island (K)	1.42	0.98	1.62	0.82	0.61	0.55	0.72	1.23	0.34	
10 Min Spin NYC (J)	1.42	0.98	1.62	0.82	0.63	0.56	0.90	1.77	0.34	
10 Min Spin SENY (GHI)	1.42	0.98	1.62	0.82	0.61	0.55	0.72	1.23	0.34	
10 Min Spin East (F)	1.42	0.98	1.62	0.82	0.61	0.55	0.72	1.23	0.34	
10 Min Spin West (ABCDE)	1.05	0.81	1.11	0.55	0.50	0.44	0.58	1.08	0.26	
10 Min Non Synch Long Island (K)	0.00	0.06	0.00	0.00	0.04	0.11	0.45	0.52	0.04	
10 Min Non Synch NYC (J)	0.00	0.06	0.00	0.00	0.07	0.12	0.63	1.06	0.04	
10 Min Non Synch SENY (GHI)	0.00	0.06	0.00	0.00	0.04	0.11	0.45	0.52	0.04	
10 Min Non Synch East (F)	0.00	0.06	0.00	0.00	0.04	0.11	0.45	0.52	0.04	
10 Min Non Synch West (ABCDE)	0.00	0.00	0.00	0.00	0.04	0.10	0.37	0.47	0.04	
30 Min Long Island (K)	0.00	0.00	0.00	0.00	0.04	0.10	0.37	0.46	0.04	
30 Min NYC (J)	0.00	0.00	0.00	0.00	0.04	0.10	0.52	0.75	0.04	
30 Min SENY (GHI)	0.00	0.00	0.00	0.00	0.04	0.10	0.37	0.46	0.04	
30 Min East (F)	0.00	0.00	0.00	0.00	0.04	0.10	0.37	0.46	0.04	
30 Min West (ABCDE)	0.00	0.00	0.00	0.00	0.04	0.10	0.37	0.46	0.04	
Regulation	6.57	6.00	6.32	6.16	5.96	5.67	4.94	5.34	4.46	
NYCA Regulation Movement	0.17	0.17	0.17	0.17	0.16	0.16	0.14	0.12	0.12	

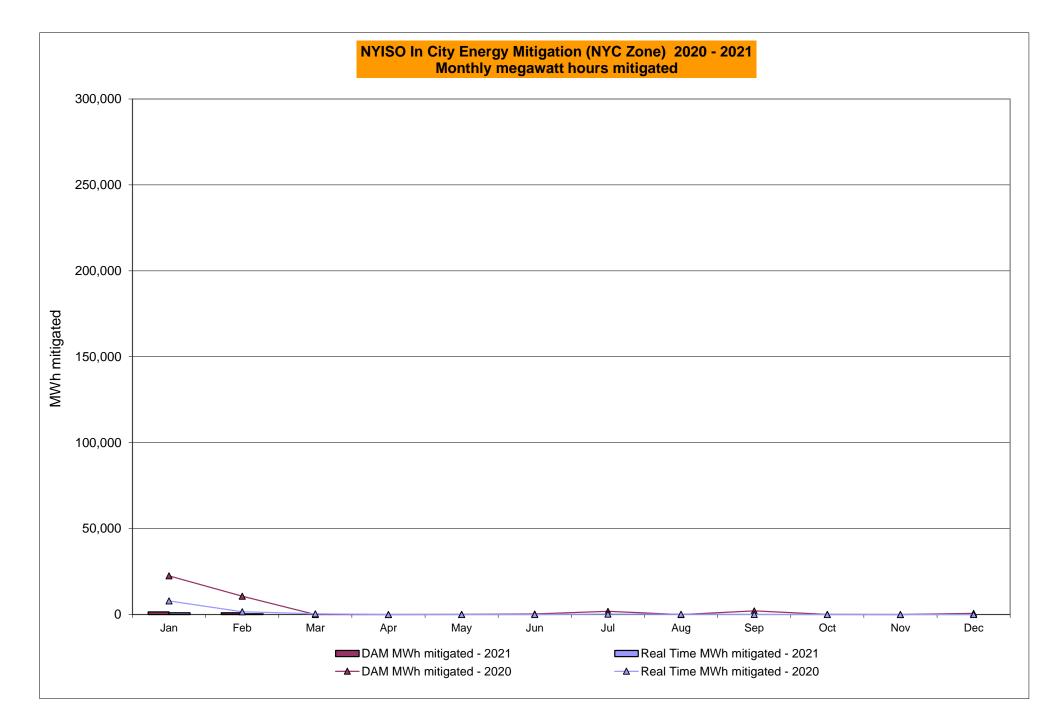
<u>October</u>

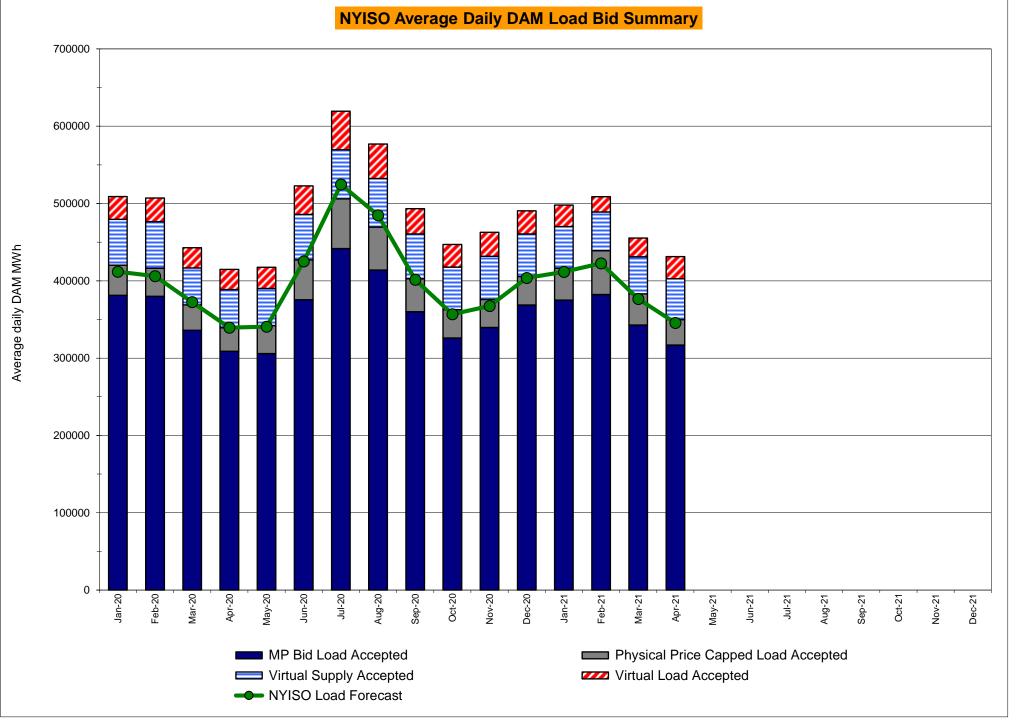
<u>November</u>

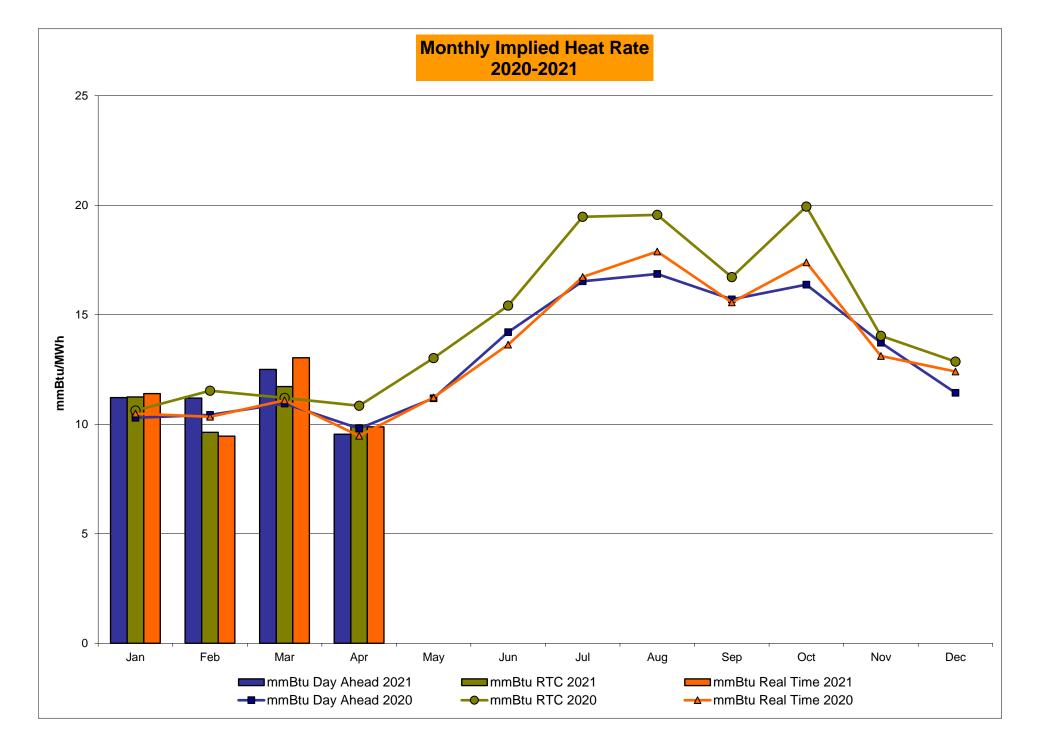
<u>December</u>

<u>October</u>	November	<u>December</u>
2.48	2.20	6.80
2.53	2.28	6.84
2.48	2.20	6.80
2.48	2.20	6.80
1.28	1.38	3.05
0.78	0.13	3.57
0.83	0.21	3.60
0.78	0.13	3.57
0.78	0.13	3.57
0.33	0.08	0.70
0.28	0.01	0.17
0.28	0.01	0.17
0.28	0.01	0.17
0.28	0.01	0.17
0.28	0.01	0.17
6.75	6.93	8.31
0.16	0.12	0.12

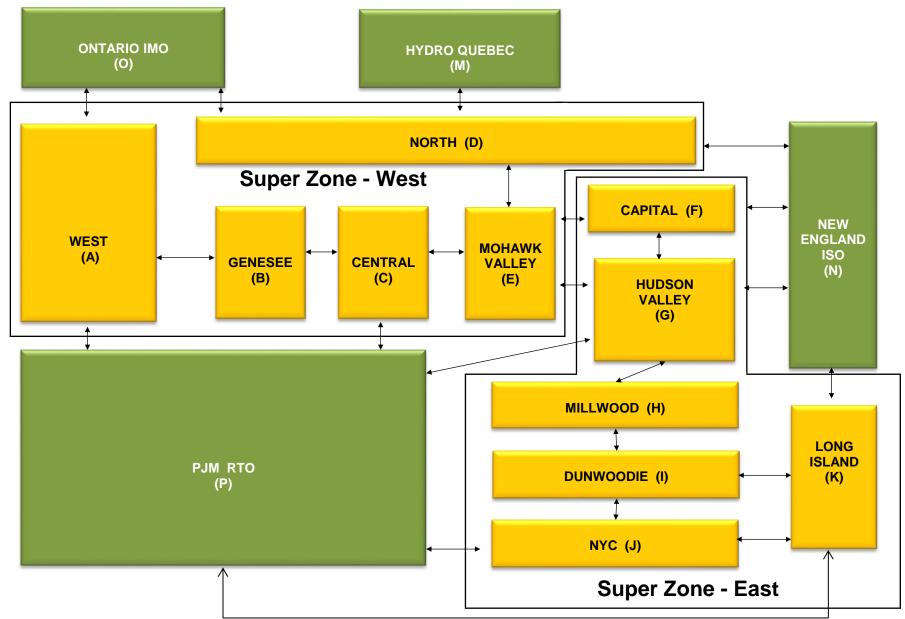








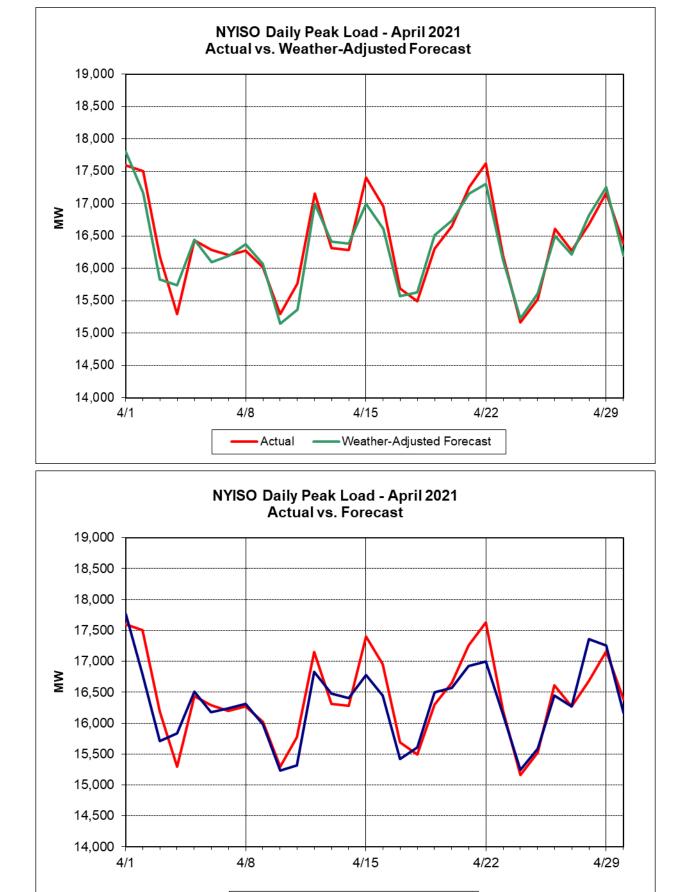
NYISO LBMP ZONES



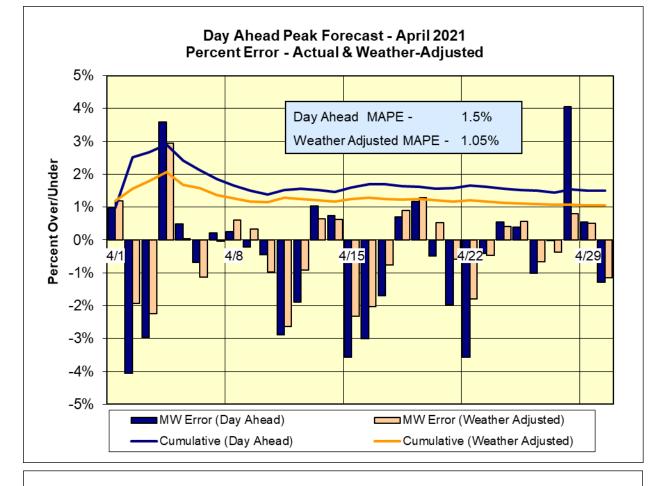
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Billing Codes for Chart C

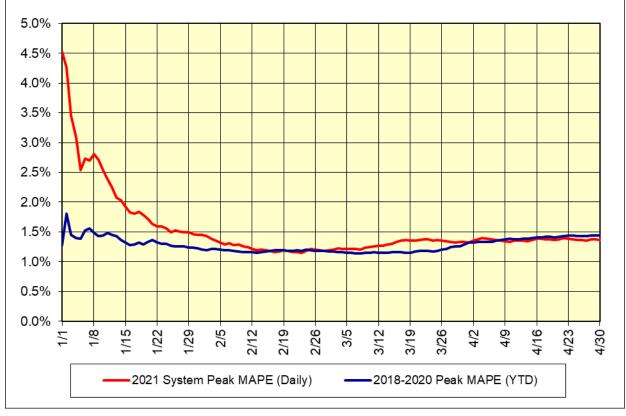
Chart - C Category Name	Billing Code	Billing Category Name
Bid Production Cost Guarantee Balancing	81203	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81204	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee 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



-Actual — Day-Ahead Forecast



Day-Ahead Forecast Accuracy - Cumulative Performance 2021 Year-to-Date



	Summary Description of Rulemakings and Related (
Filing Date	Filing Summary	Docket	Order Date	Order Summary
12/22/2020	NYISO second compliance filing to modify the NYISO's Self Supply Exemption under the NYISO's buyer-side capacity market power mitigation rules in accordance with the directives of the 02/20/2020 Order	ER16-1404-005	04/29/2021	Order accepted filing subject to further compliance filing
12/22/2020	NYISO filing of an errata to Second Compliance Filing to modify the Self Supply Exemption under the BSM Rules	ER16-1404-006	04/29/2021	Order accepted filing subject to further compliance filing
01/08/2021	NYISO filing of second errata to the December 22, 2020 filing to modify the NYISO's Self Supply Exemption (SSE) under the NYISO's buyer-side capacity market power mitigation rules	ER16-1404-007	04/29/2021	Order accepted filing subject to further compliance filing
02/05/2021	NYISO-National Grid Joint section 205 filing of LGIA among NYISO, National Grid and PPM Roaring Brook, LLC	ER21-1061-000	04/05/2021	Letter order accepted submission effective 01/25/2021, as requested
02/10/2021	NYISO- National Grid joint section 205 filing of a SGIA among NYISO, NMPC and SunEast Watkins Road Solar	ER21-1088-000	04/07/2021	Letter order accepted submission effective 01/27/2021, as requested
03/12/2021	NYISO-Central Hudson joint section 205 filing of a Transmission Project Interconnection Agreement among the NYISO, Central Hudson, and New York Transco	ER21-1367-000	04/29/2021	Letter order accepted submission effective 02/26/2021, as requested
04/01/2021	NYISO filing of annual compliance report re: unreserved use penalties and late study penalties per order 890-A	OA08-109-000		
04/01/2021	NYISO filing to NYPSC a copy of FERC Form No. 715 Annual Transmission Planning and Evaluation Report to PSC RAO after submittal to FERC on 04/01/21	PSC copy of FERC Form No. 715		
04/16/2021	NYISO compliance filing of a revised assumed amortization period for the peaking plants used in determining the ICAP Demand Curves for the 2021-2025 reset period	ER21-502-000		
04/19/2021	NYISO filing, on behalf of NY Transco, of an Engineering, Procurement & Construction Agreement among NY Transco, Holcim (US) Inc. and NYISO	ER21-1710-000		

04/20/2021	NYISO filing of annual report of total MW-hours of transmission service interstate commerce for 2020 in compliance with FERC Reporting Requirement No. 582	FERC Form No. 582	
04/20/2021	NYISO filing of an answer to comments regarding an Amended and Restated Large Generator Interconnection Agreement among the NYISO, NYSEG, and Baron Winds	ER21-1312-000	
04/23/2021	NYISO filing of motion to intervene and comments to the request for limited waiver of Tariff submitted by TBE Montgomery, LLC (TBE) on April 9, 2021	ER21-1674-000	
04/23/2021	NYISO errata filing to its Motion filed on 4/23/21 in response to the TBE Montgomery Request for Limited Waiver of Tariff		
04/23/2021	NYISO-Ravenswood Joint section 205 filing of an implementation agreement between NYISO and Helix Ravenswood regarding recovery of its costs to use fuel oil	ER21-1754-000	
04/28/2021	NYISO-National Grid joint Section 205 filing of a Small Generator Interconnection Agreement among NYISO, National Grid, and SunEast Skyline Solar	ER21-1784-000	