

Monthly Report

A Report by the New York Independent System Operator

March 2021



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March 2021 Report

Operations & Reliability Department New York Independent System Operator



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March 2021 Operations Performance Highlights

- Peak load of 20,795 MW occurred on 03/02/2021 HB 18
- All-time winter capability period peak load of 25,738 MW occurred on 1/7/2014 HB 18
- 0 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.
- Construction has commenced on Western NY Public Policy Transmission, "Empire State Line", and AC Transmission Public Policy Segment A & Segment B. Construction work will require outages of existing transmission circuits throughout 2021 and 2022. Transmission line outages during the summer period can be recalled on short notice for heat wave conditions.

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	\$1.52	\$5.17
NY Savings from PJM-NY Coordinated Transaction Scheduling	\$0.19	\$1.65
NY Savings from NE-NY Coordinated Transaction Scheduling	(\$1.14)	(\$2.73)
Total NY Savings	\$0.57	\$4.09
Regional Savings from PJM-NY Coordinated Transaction Scheduling	\$0.21	\$1.18
Regional Savings from NE-NY Coordinated Transaction Scheduling	(\$0.15)	(\$0.48)
Total Regional Savings	\$0.06	\$0.70

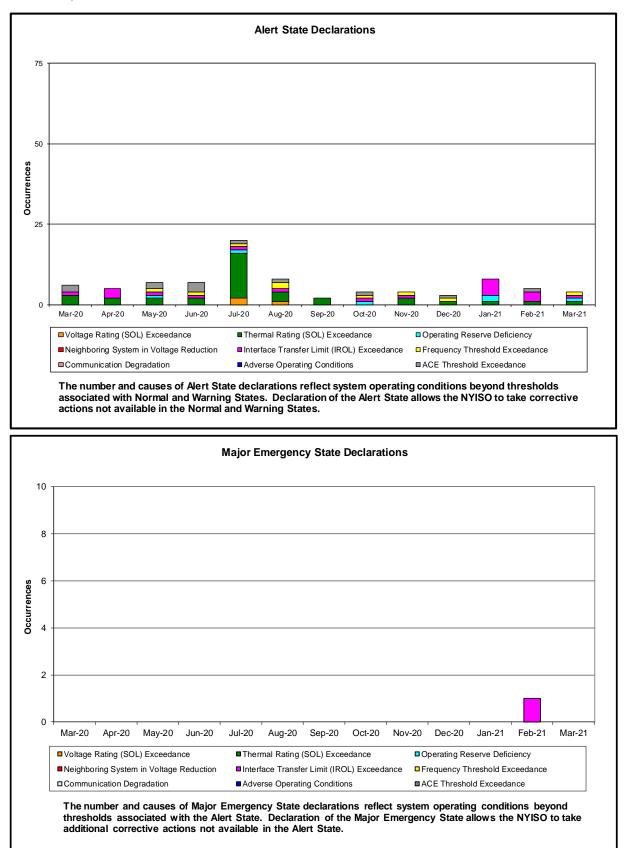
- Statewide uplift cost monthly average was \$0.00/MWh.
- The following table identifies the Monthly ICAP spot market prices and the price delta.

Spot Auction Price Results	NYCA	Lower Hudson Valley Zones	New York City Zone	Long Island Zone
April 2021 Spot Price	\$0.89	\$0.89	\$8.44	\$0.89
March 2021 Spot Price	\$0.89	\$0.89	\$8.71	\$0.89
Delta	\$0.00	\$0.00	(\$0.27)	\$0.00

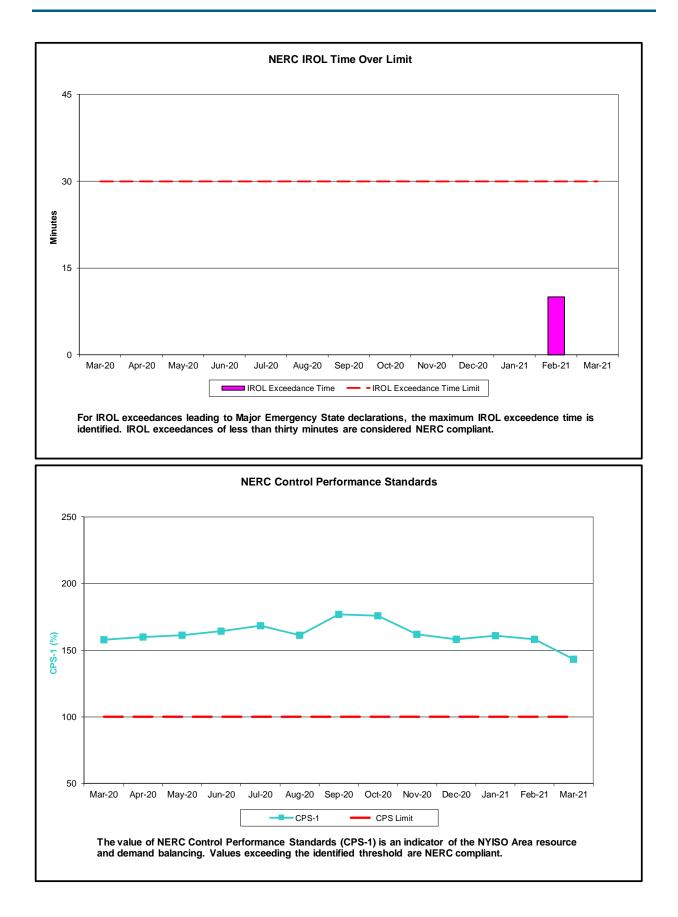
• NYC - Price decreased (\$0.27) due to an increase in generation UCAP and decrease in unoffered MWs



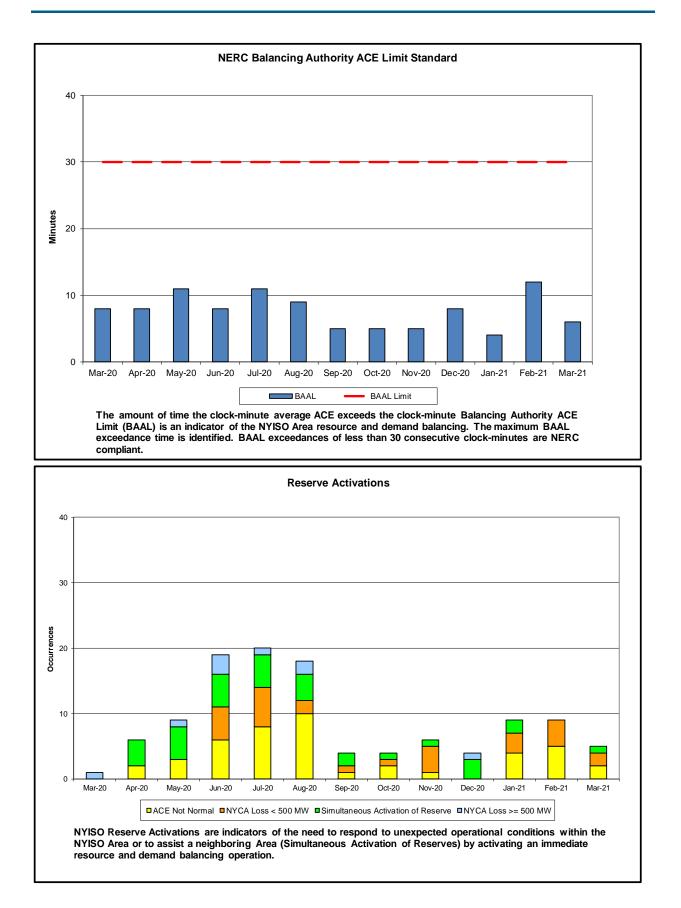
Reliability Performance Metrics

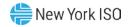


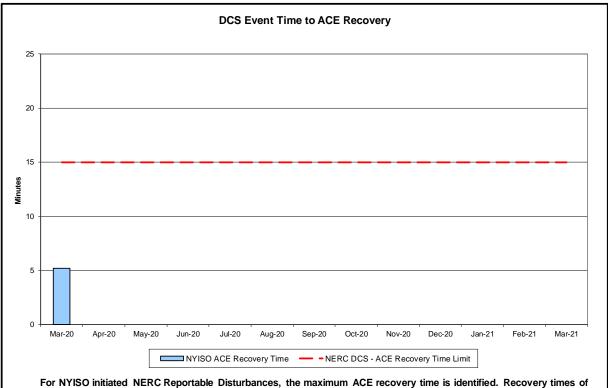




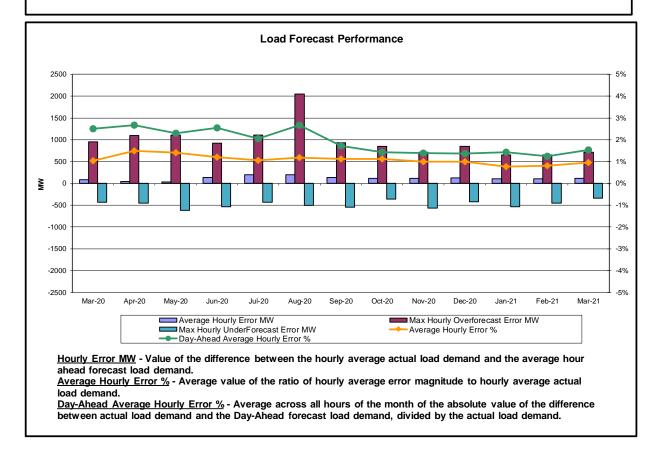




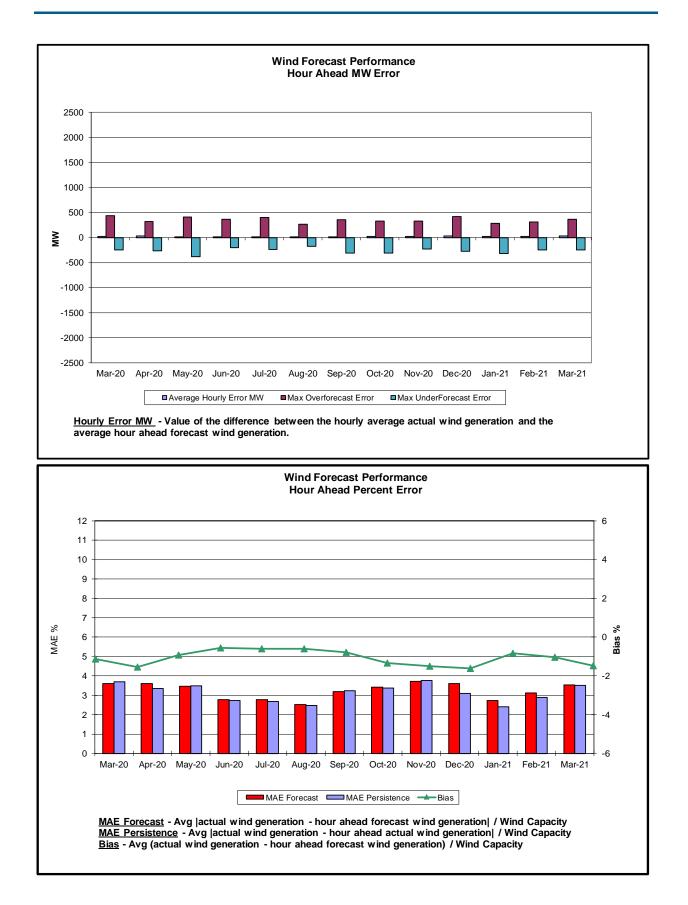




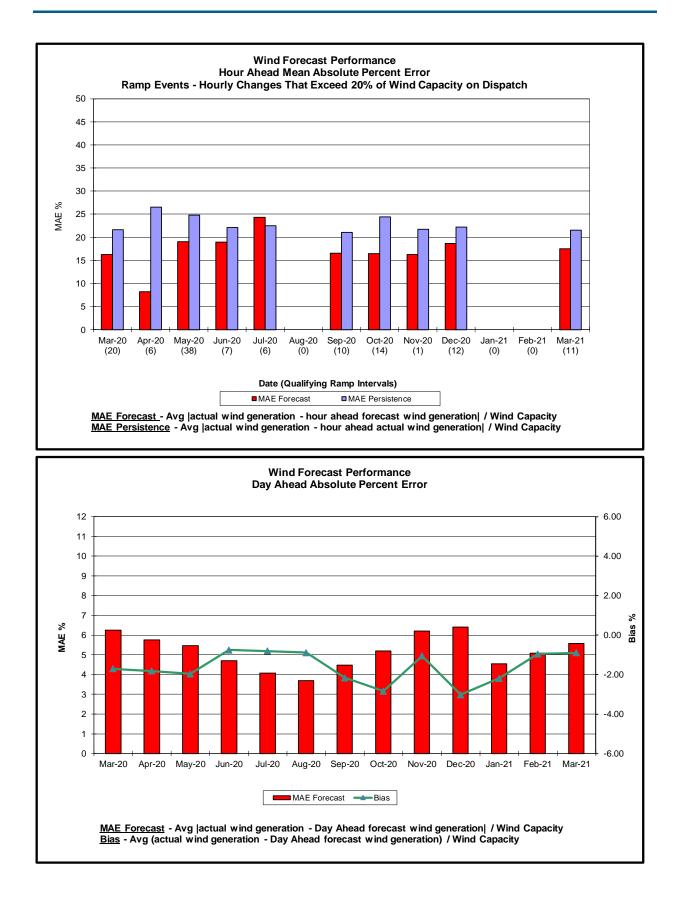
For NYISO initiated NERC Reportable Disturbances, the maximum ACE recovery time is identified. Recovery times o less than 15 minutes are considered NERC compliant.



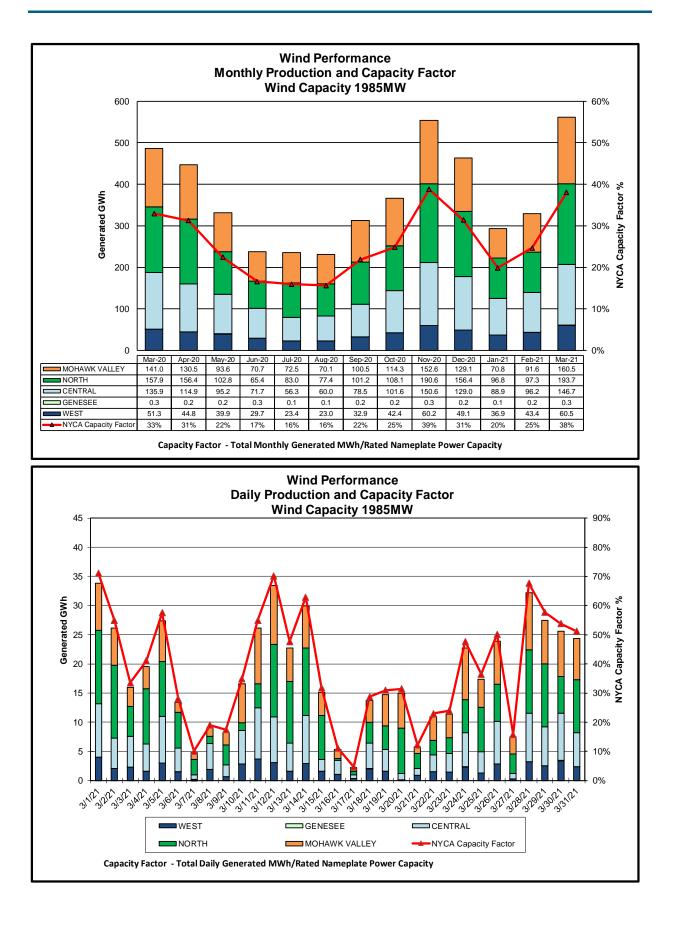




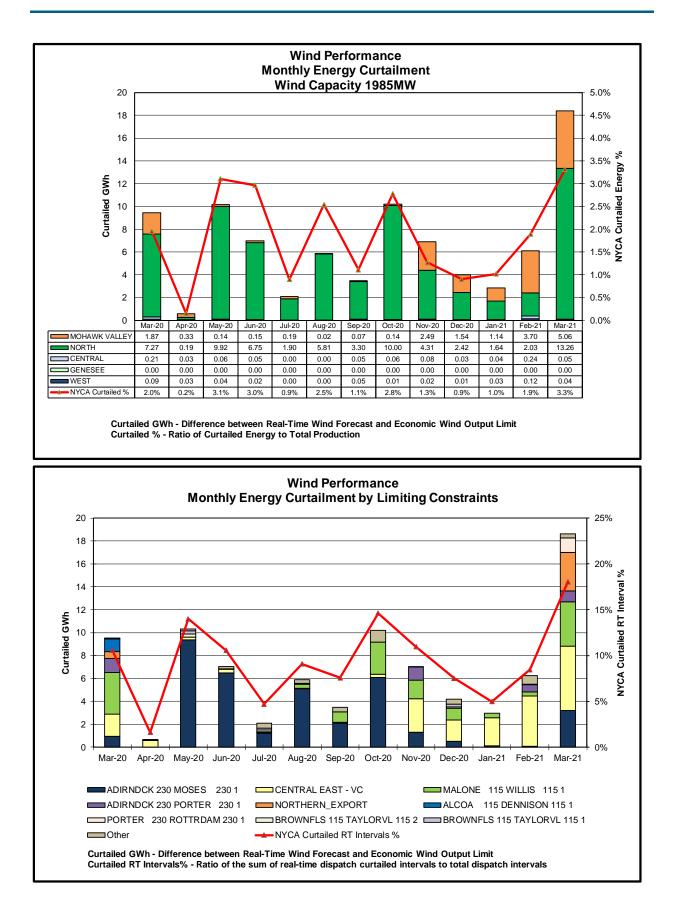


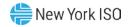


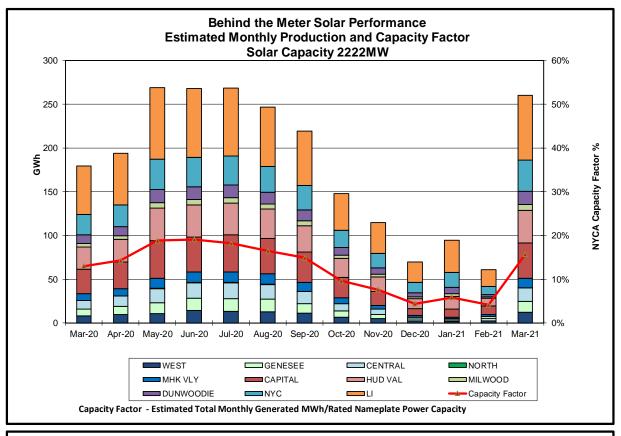


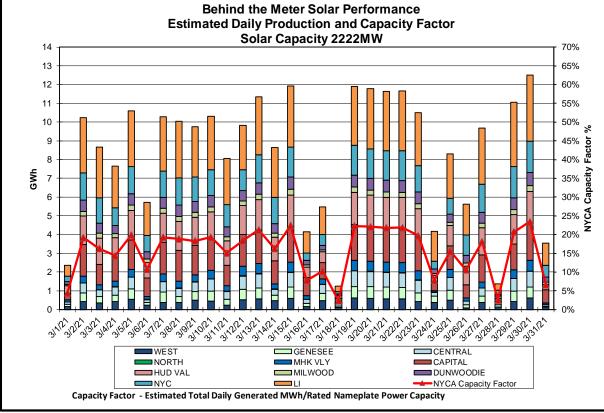




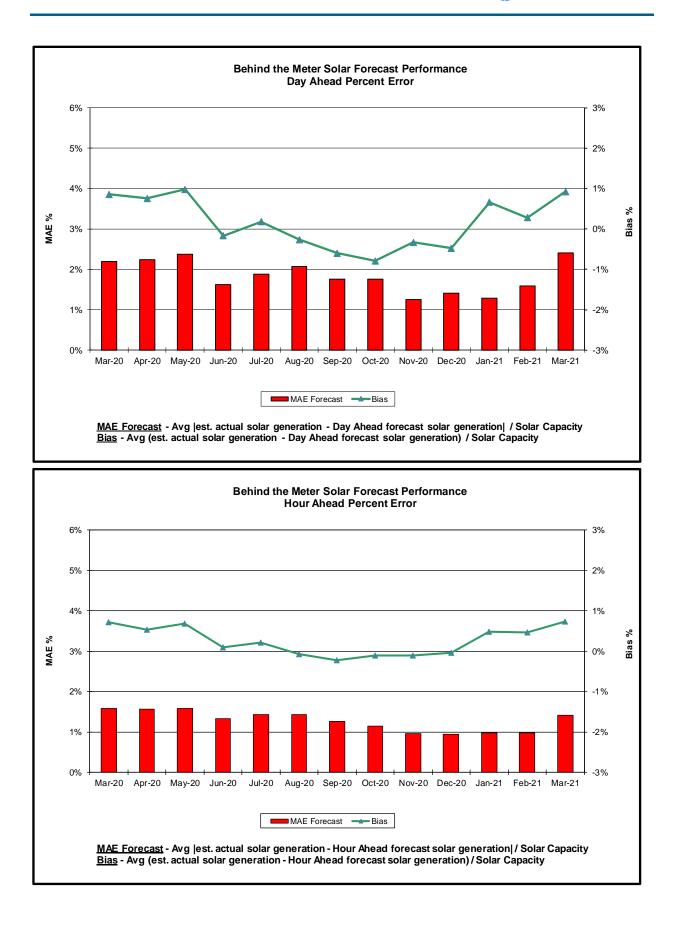




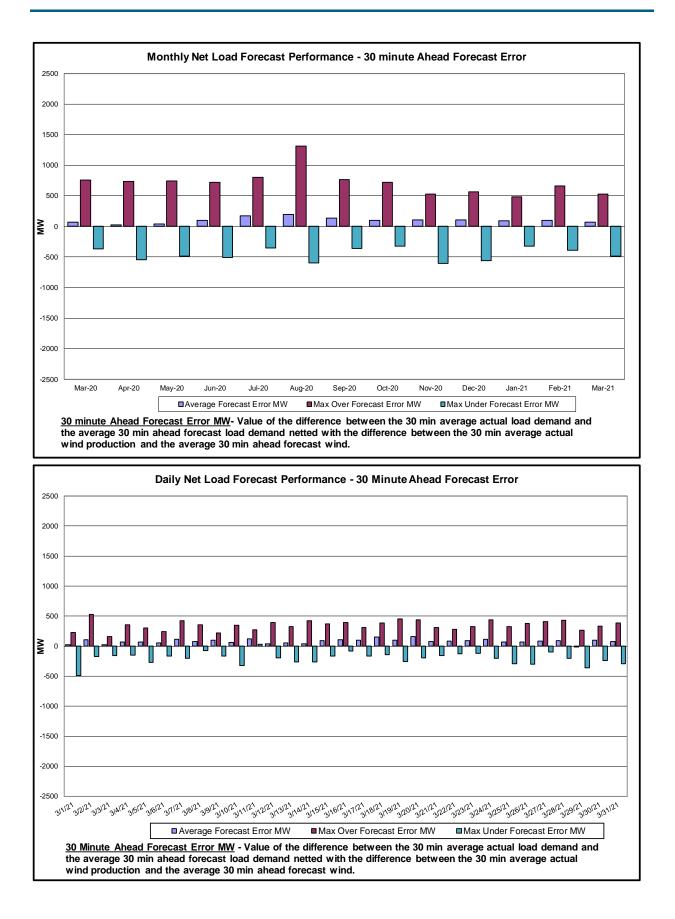




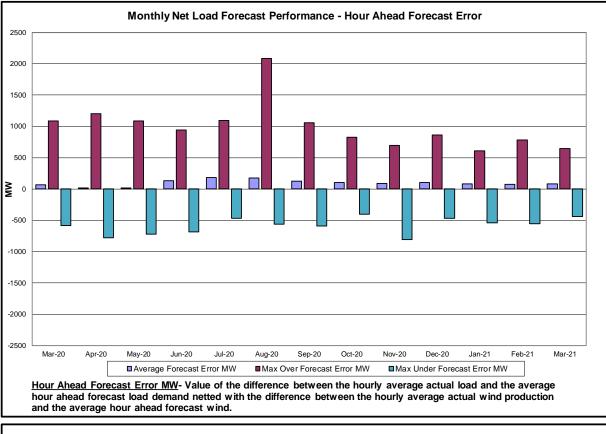
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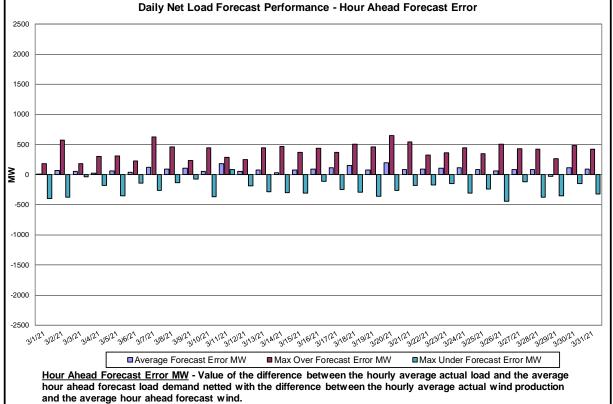




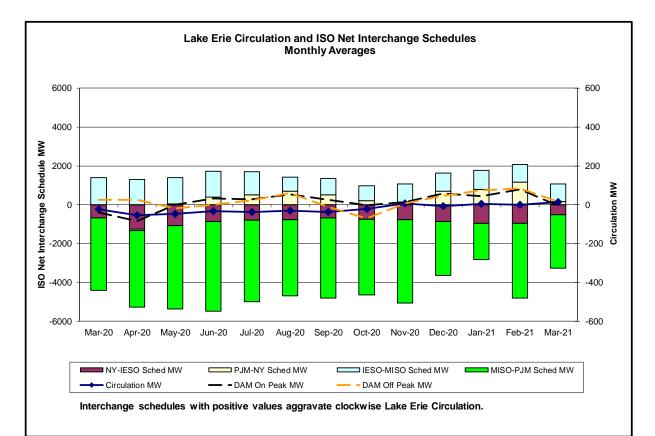


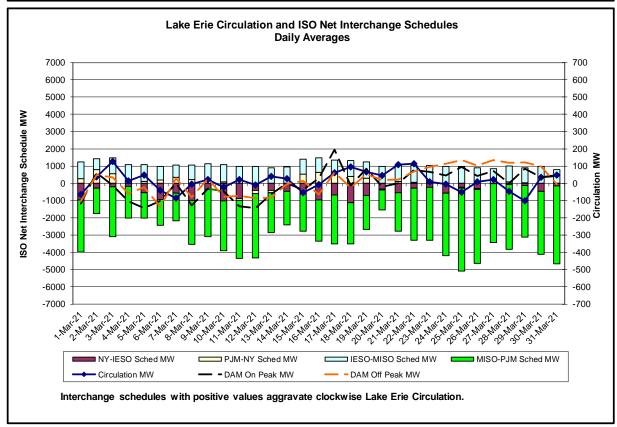


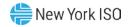


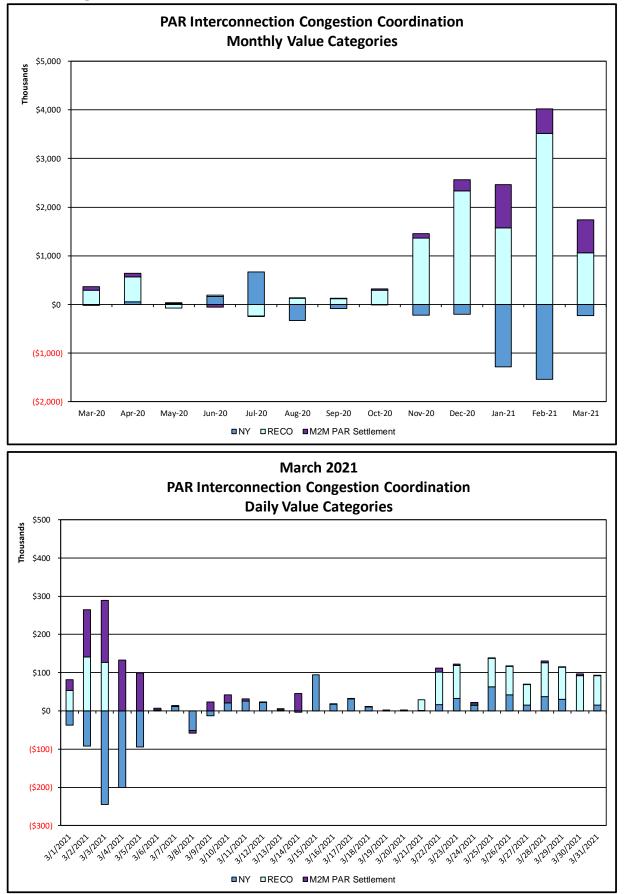




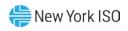






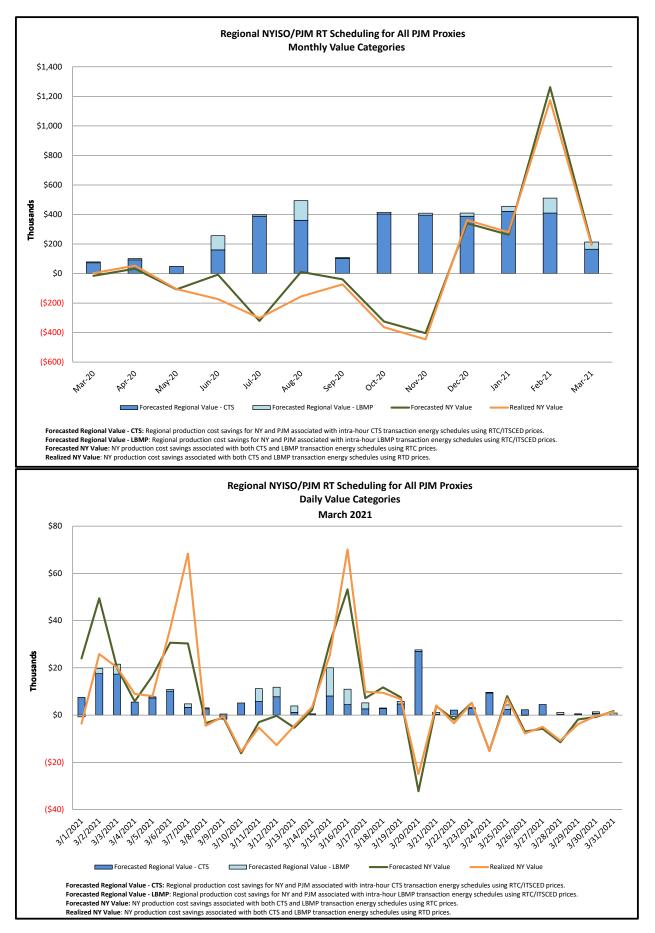


Broader Regional Market Performance Metrics

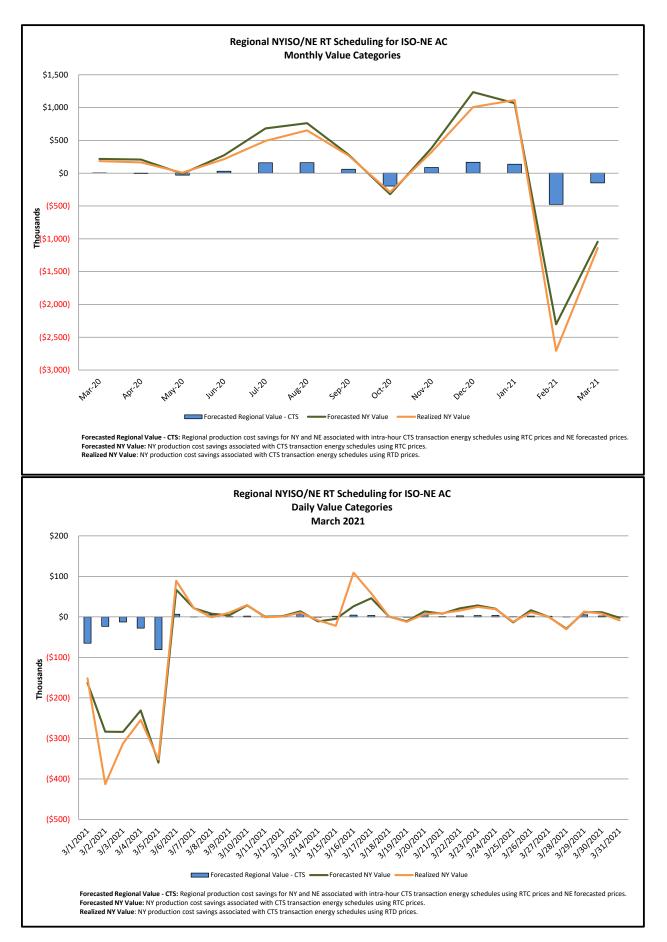


PAR Interconnection Congestion Coordination			
<u>Category</u> NY	<u>Description</u> Represents the value NY realizes from Market-to-Market PAR Coordination when experiencing congestion. This is the estimated savings to NY for additional deliveries into NY		
RECO	Represents the value of PJM's obligation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

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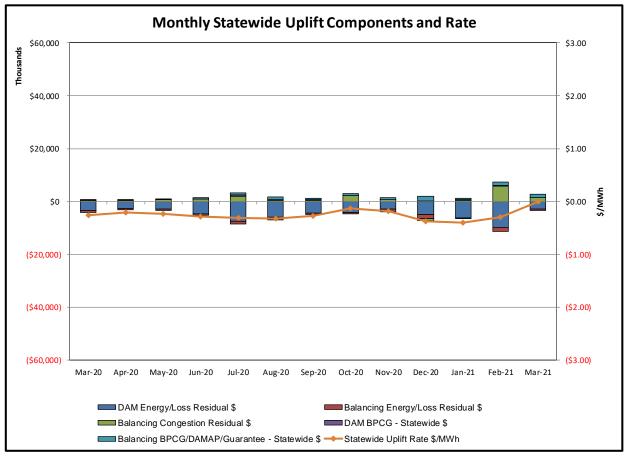




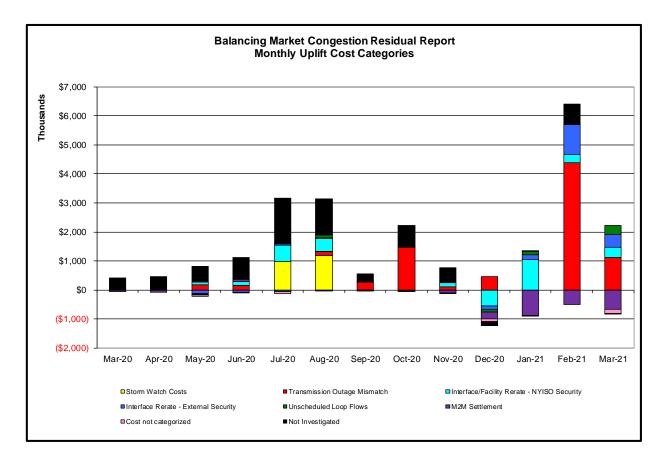


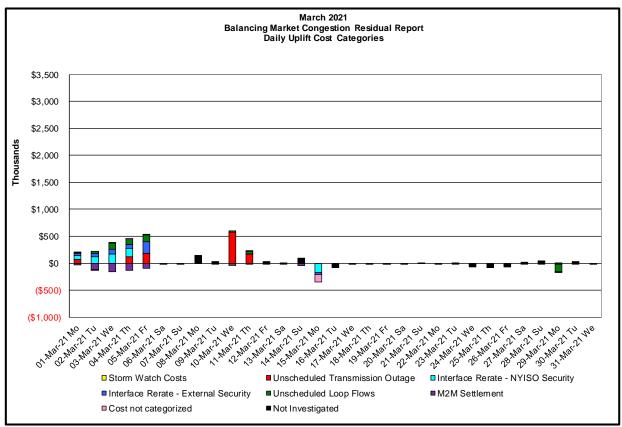


Market Performance Metrics









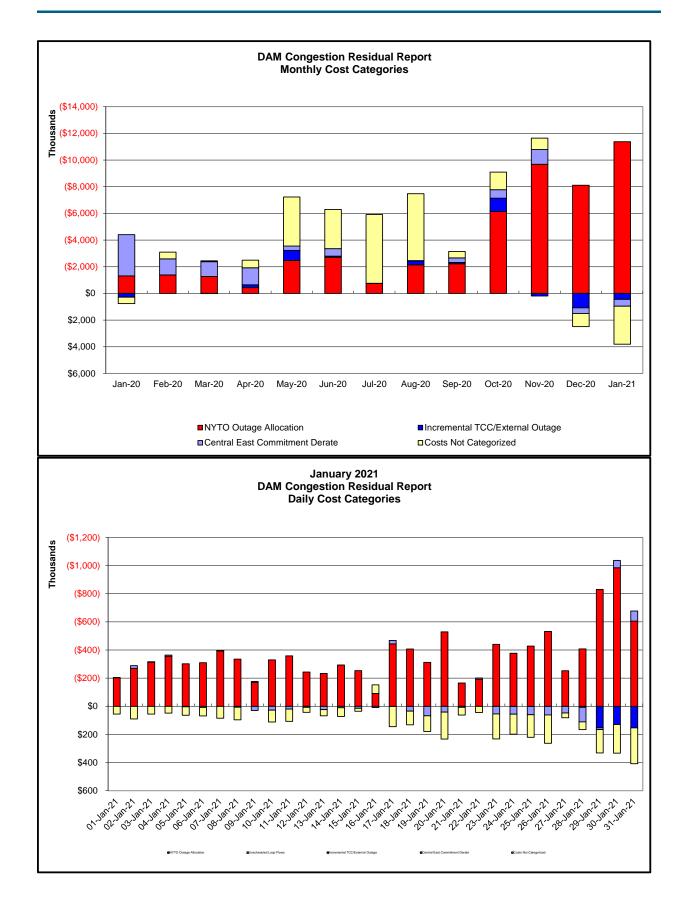


t	Date (yyyymmdd)	1,2,3,4,5,10,11,15,29 Hours	Description
	3/1/2021		Forced outage Chateaugay DC Converters
	3/1/2021		NYCA ACTIVE DNI Ramp Limit
	3/1/2021		Derate Adirondack-Porter 230kV (#12) for I/o Chases Lake-Porter 230kV (#11)
	3/1/2021		Derate Central East
	3/1/2021		NE_AC ACTIVE DNI Ramp Limit
	3/1/2021		Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	3/1/2021		NYCA ACTIVE DNI Ramp Limit
	3/2/2021	, ,	
			Derate Central East
	3/2/2021		NE_AC ACTIVE DNI Ramp Limit
	3/2/2021		HQ_CHAT - NY Scheduling Limit
	3/2/2021		
	3/2/2021		Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	3/3/2021		NYCA ACTIVE DNI Ramp Limit
	3/3/2021		Derate Central East
	3/3/2021		Uprate Central East
	3/3/2021		NE_AC ACTIVE DNI Ramp Limit
	3/3/2021		PJM_AC ACTIVE DNI Ramp Limit
	3/3/2021		HQ_CHAT - NY Scheduling Limit
	3/3/2021		Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	3/4/2021	21-23	Extended outage of Edic-New Scotland 345kV (#14)
	3/4/2021	17,18,21-23	NYCA ACTIVE DNI Ramp Limit
	3/4/2021	15-20	Derate Central East
	3/4/2021	10,12-14	Uprate Central East
	3/4/2021	15,17,22	NE_AC ACTIVE DNI Ramp Limit
	3/4/2021	21	NE_AC - NY Scheduling Limit
	3/4/2021	3-6,10,11,13,15,16,19,20,22	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	3/5/2021	0-3	Extended outage of Edic-New Scotland 345kV (#14)
	3/5/2021	5,6,8	NYCA ACTIVE DNI Ramp Limit
	3/5/2021	8,9	Derate Adirondack-Moses 230kV (#MA2) for I/o SIN:MSU1&7040& HQ GN&LD
	3/5/2021	22	Derate Central East
	3/5/2021	11-14	Uprate Central East
	3/5/2021	0-2	PJM_AC ACTIVE DNI Ramp Limit
	3/5/2021		NE AC ACTIVE DNI Ramp Limit
	3/5/2021	,	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	3/10/2021		Forced Outage St. Lawrence-Moses 230kV (#L34P)
	3/10/2021		Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	3/11/2021		Forced outage St. Lawrence-Moses 230kV (#L34P)
	3/11/2021		NYCA ACTIVE DNI Ramp Limit
	3/11/2021		Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	3/15/2021		NYCA ACTIVE DNI Ramp Limit
	3/15/2021		Uprate Central East
	3/15/2021		Derate Central East Derate Adirondack-Moses 230kV (#MA2) for I/o SIN:MSU1&7040& HQ GN&LD
	3/15/2021		NE_AC - NY Scheduling Limit
	3/15/2021		HQ_CHAT ACTIVE DNI Ramp Limit
	3/15/2021		HQ_CHAT - NY Scheduling Limit
	3/15/2021	/	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East
	3/29/2021		Uprate Central East
	3/29/2021	10	HQ_CHAT - NY Scheduling Limit

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 				



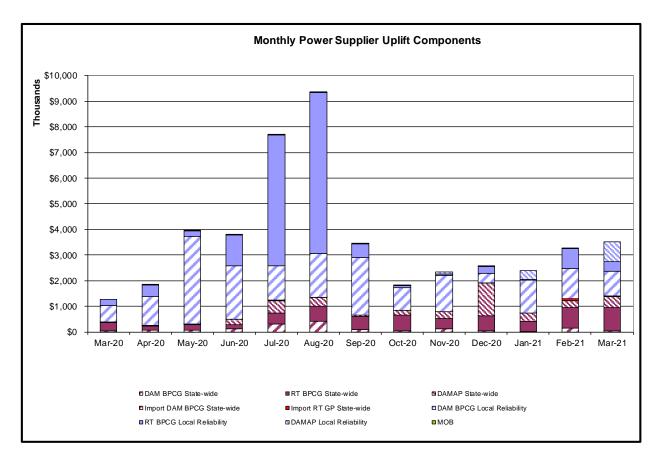


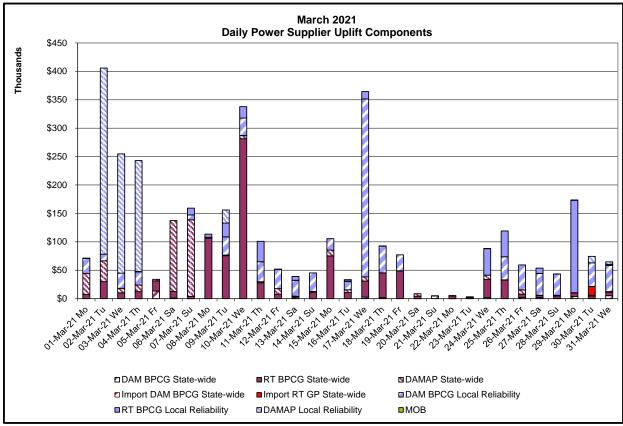


Day-Ahead Market Congestion Residual Categories

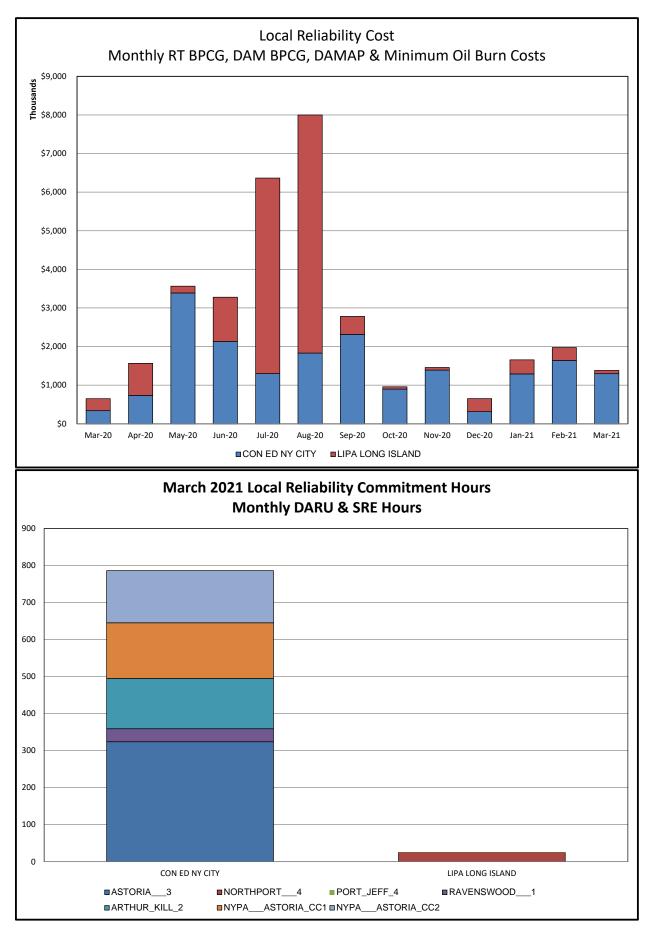
<u>Category</u> NYTO Outage Allocation	<u>Cost Assignment</u> Responsible TO	<u>Events Types</u> Direct allocation to NYTO's responsible for transmission equipment status change.	Event Examples DAM scheduled outage for equipment modeled in- service for the TCC Auction.
Incremental TCC/External Outage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



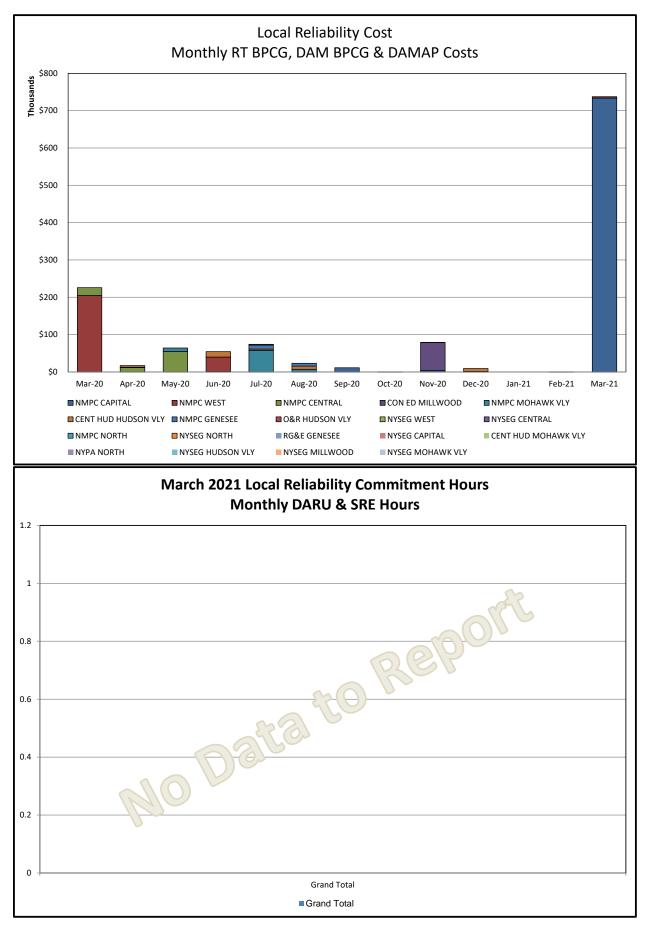




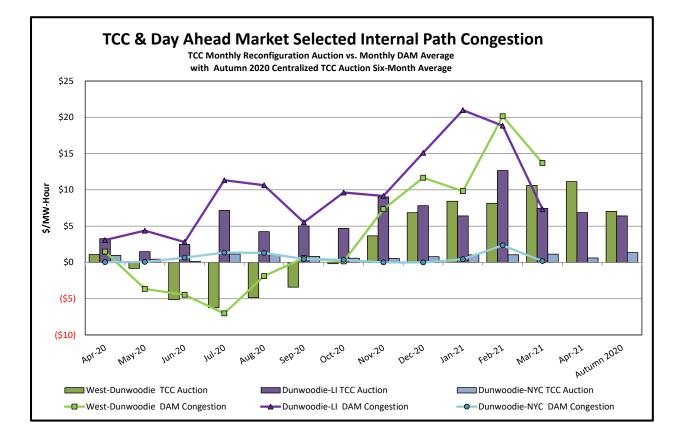


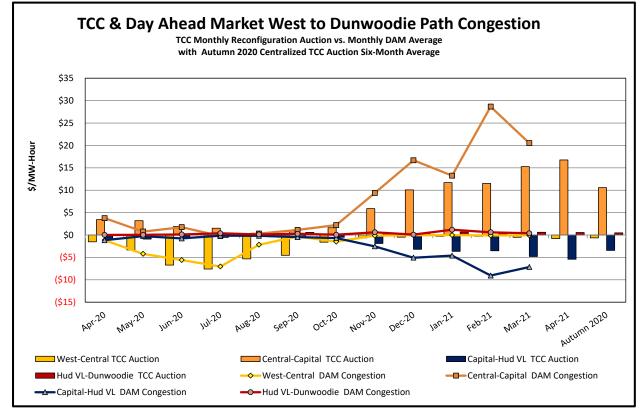




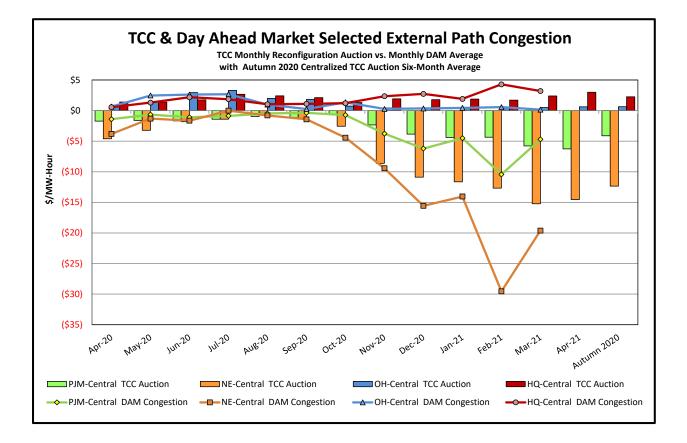


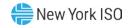


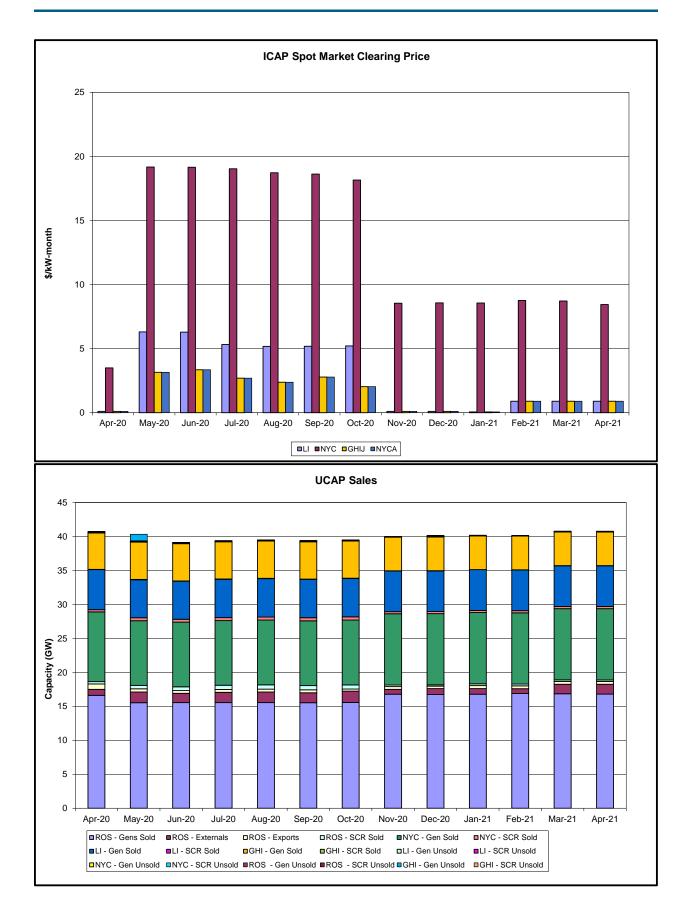






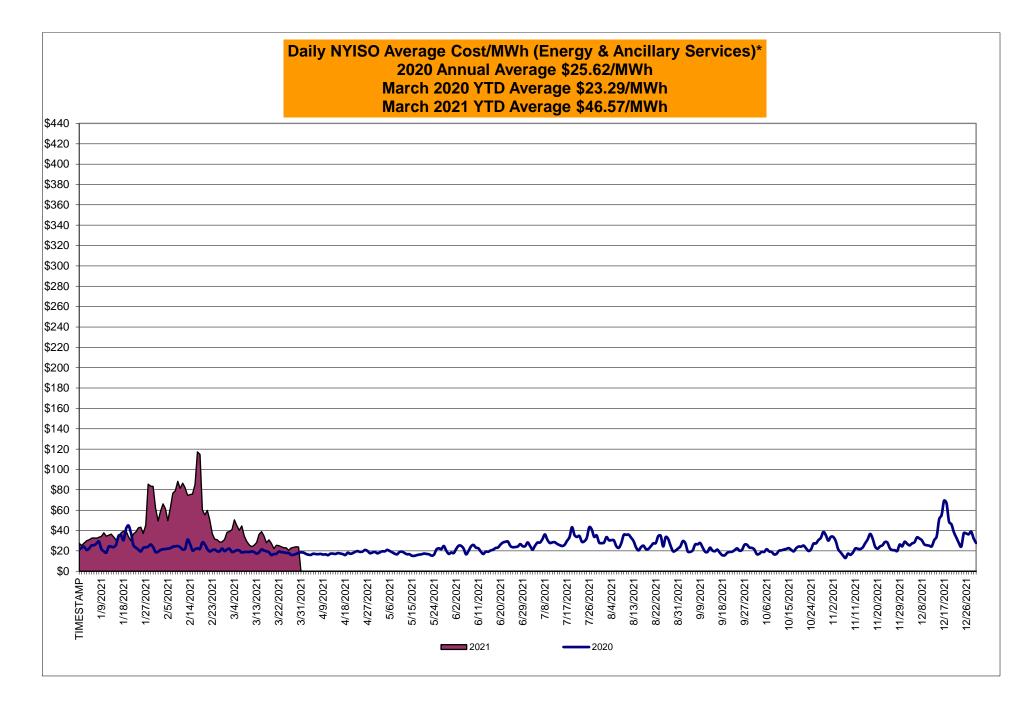






Market Performance Highlights March 2021

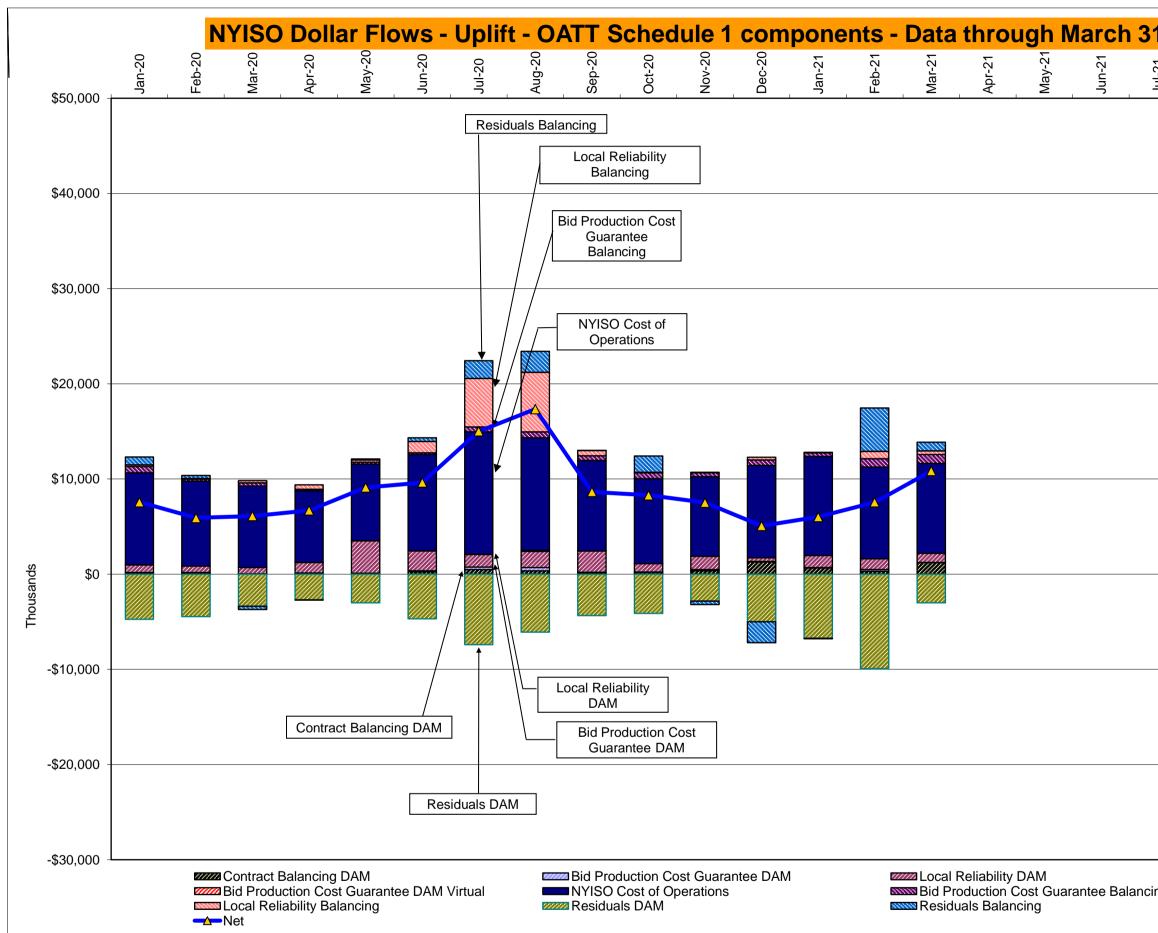
- LBMP for March is \$28.59/MWh; lower than \$63.70/MWh in February 2021 and higher than \$17.11/MWh in March 2020.
 - Day Ahead Load Weighted LBMPs and Real Time Load Weighted LBMPs are lower compared to February.
- March 2021 average year-to-date monthly cost of \$46.47/MWh is a 98% increase from \$23.48/MWh in March 2020.
- Average daily sendout is 381 GWh/day in March; lower than 434 GWh/day in February 2021 and higher than 375 GWh/day in March 2020.
- Natural gas prices are lower and distillate prices are higher compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$2.24/MMBtu, down from \$5.22/MMBtu in February.
 - Natural gas prices are up 50.4% year-over-year.
 - Jet Kerosene Gulf Coast was \$12.38/MMBtu, up from \$11.79/MMBtu in February.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$13.31/MMBtu, up from \$12.71/MMBtu in February.
 - Distillate prices are up 64.9% year-over-year.
- Uplift per MWh is higher compared to the previous month.
 - Uplift (not including NYISO cost of operations) is \$0.11/MWh; higher than (\$0.15)/MWh in February.
 - Local Reliability Share is \$0.11/MWh, lower than \$0.15/MWh in February.
 - Statewide Share is \$0.00/MWh, higher than (\$0.30)/MWh in February.
 - TSA \$ per NYC MWh is \$0.00/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than February.



* Excludes ICAP payments.

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

2021	January	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
	37.83	63.70	28.59									
NTAC	1.35	1.20	1.26									
Reserve	0.49 0.07	0.81 0.13	0.57 0.09									
Regulation NYISO Cost of Operations	0.07	0.13	0.09									
FERC Fee Recovery	0.74	0.74	0.74									
Uplift	(0.31)	(0.15)	0.09									
Uplift: Local Reliability Share	0.09	0.15)	0.11									
Uplift: Statewide Share	(0.40)	(0.30)	0.00									
Voltage Support and Black Start	0.43	0.43	0.43									
Avg Monthly Cost	40.61	66.87	31.81									
Avg YTD Cost	40.61	52.90	46.47									
TSA \$ per NYC MWh	0.00	0.00	0.00									
2020	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	o 4 ==											
LDIVIF	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	24.77 0.91	21.11 0.70	17.11 0.86	15.77 0.91	16.14 1.05	21.36 0.95	28.86 1.24	26.13 1.03	20.52 0.78	20.90 0.84	22.57 1.05	33.70 1.35
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
NTAC Reserve	0.91 0.46	0.70 0.43	0.86 0.47	0.91 0.50	1.05 0.53	0.95 0.45	1.24 0.39	1.03 0.39	0.78 0.42	0.84 0.61	1.05 0.51	1.35 0.49
NTAC Reserve Regulation	0.91 0.46 0.09	0.70 0.43 0.08	0.86 0.47 0.09	0.91 0.50 0.08	1.05 0.53 0.10	0.95 0.45 0.08	1.24 0.39 0.06	1.03 0.39 0.07	0.78 0.42 0.09	0.84 0.61 0.11	1.05 0.51 0.09	1.35 0.49 0.08
NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift	0.91 0.46 0.09 0.68	0.70 0.43 0.08 0.69	0.86 0.47 0.09 0.68	0.91 0.50 0.08 0.66	1.05 0.53 0.10 0.71	0.95 0.45 0.08 0.74	1.24 0.39 0.06 0.76	1.03 0.39 0.07 0.75	0.78 0.42 0.09 0.74	0.84 0.61 0.11 0.73	1.05 0.51 0.09 0.69	1.35 0.49 0.08 0.70
NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery	0.91 0.46 0.09 0.68 0.08	0.70 0.43 0.08 0.69 0.09	0.86 0.47 0.09 0.68 0.09	0.91 0.50 0.08 0.66 0.10	1.05 0.53 0.10 0.71 0.11	0.95 0.45 0.08 0.74 0.09	1.24 0.39 0.06 0.76 0.06	1.03 0.39 0.07 0.75 0.07	0.78 0.42 0.09 0.74 0.09	0.84 0.61 0.11 0.73 0.10	1.05 0.51 0.09 0.69 0.10	1.35 0.49 0.08 0.70 0.08
NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share	0.91 0.46 0.09 0.68 0.08 (0.15) 0.07 (0.22)	0.70 0.43 0.08 0.69 0.09 (0.23)	0.86 0.47 0.09 0.68 0.09 (0.19) 0.07 (0.26)	0.91 0.50 0.08 0.66 0.10 (0.08)	1.05 0.53 0.10 0.71 0.11 0.09	0.95 0.45 0.08 0.74 0.09 (0.05)	1.24 0.39 0.06 0.76 0.06 0.07	1.03 0.39 0.07 0.75 0.07 0.17	0.78 0.42 0.09 0.74 0.09 (0.07)	0.84 0.61 0.11 0.73 0.10 (0.05)	1.05 0.51 0.09 0.69 0.10 (0.07) 0.12 (0.19)	1.35 0.49 0.08 0.70 0.08 (0.33)
NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share	0.91 0.46 0.09 0.68 0.08 (0.15) 0.07	0.70 0.43 0.08 0.69 0.09 (0.23) 0.06	0.86 0.47 0.09 0.68 0.09 (0.19) 0.07	0.91 0.50 0.08 0.66 0.10 (0.08) 0.14	1.05 0.53 0.10 0.71 0.11 0.09 0.32	0.95 0.45 0.08 0.74 0.09 (0.05) 0.24	1.24 0.39 0.06 0.76 0.06 0.07 0.38	1.03 0.39 0.07 0.75 0.07 0.17 0.50	0.78 0.42 0.09 0.74 0.09 (0.07) 0.22	0.84 0.61 0.11 0.73 0.10 (0.05) 0.08	1.05 0.51 0.09 0.69 0.10 (0.07) 0.12	1.35 0.49 0.08 0.70 0.08 (0.33) 0.05
NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share	0.91 0.46 0.09 0.68 0.08 (0.15) 0.07 (0.22)	0.70 0.43 0.08 0.69 0.09 (0.23) 0.06 (0.29)	0.86 0.47 0.09 0.68 0.09 (0.19) 0.07 (0.26)	0.91 0.50 0.08 0.66 0.10 (0.08) 0.14 (0.21)	1.05 0.53 0.10 0.71 0.11 0.09 0.32 (0.23)	0.95 0.45 0.08 0.74 0.09 (0.05) 0.24 (0.29)	1.24 0.39 0.06 0.76 0.06 0.07 0.38 (0.31)	1.03 0.39 0.07 0.75 0.07 0.17 0.50 (0.33)	0.78 0.42 0.09 0.74 0.09 (0.07) 0.22 (0.28)	0.84 0.61 0.11 0.73 0.10 (0.05) 0.08 (0.13)	1.05 0.51 0.09 0.69 0.10 (0.07) 0.12 (0.19)	1.35 0.49 0.08 0.70 0.08 (0.33) 0.05 (0.38)
NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share Voltage Support and Black Start	0.91 0.46 0.09 0.68 0.08 (0.15) 0.07 (0.22) 0.44	0.70 0.43 0.08 0.69 0.09 (0.23) 0.06 (0.29) 0.44	0.86 0.47 0.09 0.68 0.09 (0.19) 0.07 (0.26) 0.44	0.91 0.50 0.08 0.66 0.10 (0.08) 0.14 (0.21) 0.43	1.05 0.53 0.10 0.71 0.11 0.09 0.32 (0.23) 0.45	0.95 0.45 0.08 0.74 0.09 (0.05) 0.24 (0.29) 0.45	1.24 0.39 0.06 0.76 0.06 0.07 0.38 (0.31) 0.46	1.03 0.39 0.07 0.75 0.07 0.17 0.50 (0.33) 0.46	0.78 0.42 0.09 0.74 0.09 (0.07) 0.22 (0.28) 0.45	0.84 0.61 0.11 0.73 0.10 (0.05) 0.08 (0.13) 0.45	1.05 0.51 0.09 0.69 0.10 (0.07) 0.12 (0.19) 0.44	$\begin{array}{c} 1.35\\ 0.49\\ 0.08\\ 0.70\\ 0.08\\ (0.33)\\ 0.05\\ (0.38)\\ 0.45\end{array}$



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.

1,	2021 Jane 2	Sep-21	Oct-21	Nov-21	Dec-21	
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ing						

NYISO Markets Transactions

<u>2021</u>	January	<u>February</u>	March	<u>April</u>	<u>May</u>	June	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	December
Day Ahead Market MWh	14,108,848	13,325,329	12,843,278									
DAM LSE Internal LBMP Energy Sales	60%	59%	56%									
DAM External TC LBMP Energy Sales	5%	4%	3%									
DAM Bilateral - Internal Bilaterals	31%	30%	32%									
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	1%	4%	4%									
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%									
DAM Bilateral - Wheel Through Bilaterals	2%	2%	3%									
Balancing Energy Market MWh	29,179	-308,157	-70,279									
Balancing Energy LSE Internal LBMP Energy Sales	-215%	-151%	-367%									
Balancing Energy External TC LBMP Energy Sales	374%	59%	365%									
Balancing Energy Bilateral - Internal Bilaterals	49%	4%	27%									
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%									
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	50%	5%	32%									
Balancing Energy Bilateral - Wheel Through Bilaterals	-158%	-17%	-158%									
Transactions Summary												
LBMP	65%	62%	59%									
Internal Bilaterals	31%	31%	33%									
Import Bilaterals	1%	4%	4%									
Export Bilaterals	2%	2%	2%									
Wheels Through	2%	2%	2%									
Market Share of Total Load	270	270	270									
Day Ahead Market	99.8%	102.4%	100.6%									
	99.8% 0.2%	-2.4%	-0.6%									
Balancing Energy +												
Total MWH		13,017,172										
Average Daily Energy Sendout/Month GWh	427	434	381									
<u>2020</u>	<u>January</u>	<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>
2020 Day Ahead Market MWh	<u>January</u> 14,194,609	<u>February</u> 13,172,669				<u>June</u> 13,825,178	<u>July</u> 16,629,337	<u>August</u> 15,671,629	<u>September</u> 13,122,542		<u>November</u> 12,157,281	<u>December</u> 13,748,181
Day Ahead Market MWh	14,194,609		<u>March</u> 12,495,999 59%	<u>April</u> 11,372,390 54%	<u>May</u> 11,462,320 55%		-		13,122,542	<u>October</u> 12,338,638 56%		13,748,181
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales	14,194,609 56%	13,172,669 56%	12,495,999 59%	11,372,390 54%	11,462,320 55%	13,825,178 58%	16,629,337 65%	15,671,629 63%	13,122,542 60%	12,338,638 56%	12,157,281 57%	13,748,181 59%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales	14,194,609 56% 6%	13,172,669 56% 5%	12,495,999 59% 5%	11,372,390 54% 7%	11,462,320 55% 4%	13,825,178 58% 3%	16,629,337 65% 2%	15,671,629 63% 4%	13,122,542 60% 4%	12,338,638 56% 5%	12,157,281 57% 5%	13,748,181 59% 5%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals	14,194,609 56% 6% 30%	13,172,669 56% 5% 30%	12,495,999 59% 5% 27%	11,372,390 54% 7% 30%	11,462,320 55% 4% 31%	13,825,178 58% 3% 29%	16,629,337 65% 2% 26%	15,671,629 63% 4% 27%	13,122,542 60% 4% 30%	12,338,638 56% 5% 32%	12,157,281 57% 5% 33%	13,748,181 59% 5% 31%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals	14,194,609 56% 6% 30% 5%	13,172,669 56% 5% 30% 5%	12,495,999 59% 5% 27% 6%	11,372,390 54% 7% 30% 6%	11,462,320 55% 4% 31% 6%	13,825,178 58% 3% 29% 5%	16,629,337 65% 2% 26% 3%	15,671,629 63% 4% 27% 3%	13,122,542 60% 4% 30% 2%	12,338,638 56% 5% 32% 3%	12,157,281 57% 5% 33% 3%	13,748,181 59% 5% 31% 2%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals	14,194,609 56% 6% 30% 5% 2%	13,172,669 56% 5% 30% 5% 2%	12,495,999 59% 5% 27% 6% 2%	11,372,390 54% 7% 30% 6% 2%	11,462,320 55% 4% 31% 6% 2%	13,825,178 58% 3% 29% 5% 2%	16,629,337 65% 2% 26% 3% 1%	15,671,629 63% 4% 27% 3% 2%	13,122,542 60% 4% 30% 2% 2%	12,338,638 56% 5% 32% 3% 2%	12,157,281 57% 5% 33% 3% 2%	13,748,181 59% 5% 31% 2% 2%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals	14,194,609 56% 6% 30% 5% 2% 1%	13,172,669 56% 5% 30% 5% 2% 1%	12,495,999 59% 5% 27% 6% 2% 1%	11,372,390 54% 7% 30% 6% 2% 1%	11,462,320 55% 4% 31% 6% 2% 1%	13,825,178 58% 3% 29% 5% 2% 2%	16,629,337 65% 2% 26% 3% 1% 2%	15,671,629 63% 4% 27% 3% 2% 2%	13,122,542 60% 4% 30% 2% 2% 2% 2%	12,338,638 56% 5% 32% 3% 2% 2%	12,157,281 57% 5% 33% 3% 2% 0%	13,748,181 59% 5% 31% 2% 2% 2% 2%
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWh	14,194,609 56% 6% 30% 5% 2% 1% -26,753	13,172,669 56% 5% 30% 5% 2% 1% -142,168	12,495,999 59% 5% 27% 6% 2% 1% 144,076	11,372,390 54% 7% 30% 6% 2% 1% 22,599	11,462,320 55% 4% 31% 6% 2% 1% -137,565	13,825,178 58% 3% 29% 5% 2% 2% 2% -180,149	16,629,337 65% 2% 26% 3% 1% 2% 403,914	15,671,629 63% 4% 27% 3% 2% 2% 2% 212,307	13,122,542 60% 4% 30% 2% 2% 2% 2% -173,115	12,338,638 56% 5% 32% 3% 2% 2% 2% -89,451	12,157,281 57% 5% 33% 3% 2% 0% -54,598	13,748,181 59% 5% 31% 2% 2% 2% 156,891
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWhBalancing Energy LSE Internal LBMP Energy Sales	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080%	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221%	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85%	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884%	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187%	13,825,178 58% 3% 29% 5% 2% 2% -180,149 -134%	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85%	15,671,629 63% 4% 27% 3% 2% 2% 2% 212,307 99%	13,122,542 60% 4% 30% 2% 2% 2% 2% -173,115 -95%	12,338,638 56% 5% 32% 3% 2% 2% -89,451 -220%	12,157,281 57% 5% 33% 3% 2% 0% -54,598 -459%	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12%
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy LSE Internal LBMP Energy SalesBalancing Energy External TC LBMP Energy Sales	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156%	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221% 181%	12,495,999 59% 5% 27% 6% 2% 1% 1% 144,076 -85% 240%	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233%	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 137%	13,825,178 58% 3% 29% 5% 2% 2% -180,149 -134% 99%	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35%	15,671,629 63% 4% 27% 3% 2% 2% 2% 2% 212,307 99% 43%	13,122,542 60% 4% 30% 2% 2% 2% 2% -173,115 -95% 104%	12,338,638 56% 5% 32% 3% 2% 2% 2% -89,451 -220% 187%	12,157,281 57% 5% 33% 3% 2% 0% -54,598 -459% 382%	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107%
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWhBalancing Energy LSE Internal LBMP Energy SalesBalancing Energy Bilateral - Internal Bilaterals	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156% 62%	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221% 181% 5%	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85% 240% 12%	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233% 55%	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 137% 12%	13,825,178 58% 3% 29% 5% 2% 2% -180,149 -134% 99% 7%	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35% 2%	15,671,629 63% 4% 27% 3% 2% 2% 22% 212,307 99% 43% 1%	13,122,542 60% 4% 30% 2% 2% 2% -173,115 -95% 104% 0%	12,338,638 56% 5% 32% 3% 2% 2% -89,451 -220% 187% 4%	12,157,281 57% 5% 33% 3% 2% 0% -54,598 -459% 382% 3%	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107% 7%
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWhBalancing Energy LSE Internal LBMP Energy SalesBalancing Energy Bilateral - Internal BilateralsBalancing Energy Bilateral - Internal BilateralsBalancing Energy Bilateral - Internal BilateralsBalancing Energy Bilateral - Internal Bilaterals	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156% 62% 0%	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221% 181% 5% 0%	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85% 240% 12% 0%	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233% 55% 0%	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 137% 12% 0%	13,825,178 58% 3% 29% 5% 2% 2% 2% -180,149 -134% 99% 7% 0%	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35% 2% 0%	15,671,629 63% 4% 27% 3% 2% 2% 2% 2% 2% 2% 2% 43% 1% 0%	13,122,542 60% 4% 30% 2% 2% 2% 2% -173,115 -95% 104% 0% 0%	12,338,638 56% 5% 32% 3% 2% 2% 2% -89,451 -220% 187% 4% 20%	12,157,281 57% 5% 33% 3% 2% 0% -54,598 -459% 382% 3% 9%	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107% 7% 6%
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWhBalancing Energy LSE Internal LBMP Energy SalesBalancing Energy Bilateral - Internal BilateralsBalancing Energy Bilateral - Export/Non-LBMP Market BilateralsBalancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156% 62% 0% 127%	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221% 181% 5% 0% 16%	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85% 240% 12% 0% 18%	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233% 55% 0% 92%	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 137% 12% 0% 12%	13,825,178 58% 3% 29% 5% 2% 2% -180,149 -134% 99% 7% 0% 5%	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35% 2% 0% 2%	15,671,629 63% 4% 27% 3% 2% 2% 212,307 99% 43% 1% 0% 4%	13,122,542 60% 4% 30% 2% 2% 2% -173,115 -95% 104% 0% 0% 0% 7%	12,338,638 56% 5% 32% 3% 2% 2% -89,451 -220% 187% 4% 20% 17%	12,157,281 57% 5% 33% 3% 2% 0% -54,598 -459% 382% 3% 9% 33%	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107% 7% 6% 11%
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWhBalancing Energy LSE Internal LBMP Energy SalesBalancing Energy Bilateral - Internal BilateralsBalancing Energy Bilateral - Internal BilateralsBalancing Energy Bilateral - Internal BilateralsBalancing Energy Bilateral - Importl/Non-LBMP Market BilateralsBalancing Energy Bilateral - Importl/Non-LBMP Market BilateralsBalancing Energy Bilateral - Sport/Non-LBMP Market BilateralsBalancing Energy Bilateral - Export/Non-LBMP Market BilateralsBalancing Energy Bilateral - Export/Non-LBMP Market BilateralsBalancing Energy Bilateral - Sport/Non-LBMP Market BilateralsBalancing Energy Bilateral - Wheel Through Bilaterals	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156% 62% 0%	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221% 181% 5% 0%	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85% 240% 12% 0%	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233% 55% 0%	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 137% 12% 0%	13,825,178 58% 3% 29% 5% 2% 2% 2% -180,149 -134% 99% 7% 0%	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35% 2% 0%	15,671,629 63% 4% 27% 3% 2% 2% 2% 2% 2% 2% 2% 43% 1% 0%	13,122,542 60% 4% 30% 2% 2% 2% 2% -173,115 -95% 104% 0% 0%	12,338,638 56% 5% 32% 3% 2% 2% 2% -89,451 -220% 187% 4% 20%	12,157,281 57% 5% 33% 3% 2% 0% -54,598 -459% 382% 3% 9%	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107% 7% 6%
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWhBalancing Energy LSE Internal LBMP Energy SalesBalancing Energy Bilateral - Internal BilateralsBalancing Energy Bilateral - Importl/Non-LBMP Market BilateralsBalancing Energy Bilateral - Importl/Non-LBMP Market BilateralsBalancing Energy Bilateral - Export/Non-LBMP Market BilateralsBalancing Energy Bilateral - Wheel Through Bilaterals	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156% 62% 0% 127% -365%	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221% 181% 5% 0% 16% -81%	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85% 240% 12% 0% 18% -85%	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233% 55% 0% 92% -396%	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 137% 12% 0% 12% -74%	13,825,178 58% 3% 29% 5% 2% 2% -180,149 -134% 99% 7% 0% 5% -77%	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35% 2% 0% 2% 0% 2% -24%	15,671,629 63% 4% 27% 3% 2% 2% 212,307 99% 43% 1% 0% 4% -46%	13,122,542 60% 4% 30% 2% 2% 2% -173,115 -95% 104% 0% 0% 7% -116%	12,338,638 56% 5% 32% 2% 2% -89,451 -220% 187% 4% 20% 17% -107%	12,157,281 57% 5% 33% 2% 0% -54,598 -459% 382% 3% 9% 33% -69%	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107% 7% 6% 11% -19%
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Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Import Bilaterals Import Bilaterals Import Bilaterals Wheels Through Market Share of Total Load Day Ahead Market <t< td=""><td>14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156% 62% 0% 127% -365% 62% 31% 5% 2% 0% 100.2% -0.2% 14,167,856</td><td>13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221% 181% 5% 0% 16% -81% 62% 31% 5% 2% 1% 101.1% -1.1% 13,030,501</td><td>12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85% 240% 12% 0% 18% -85% 65% 27% 6% 27% 6% 27% 6% 22% 0% 98.9% 1.1% 12,640,075</td><td>11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233% 55% 0% 92% -396% 61% 30% 6% 2% 0% 99.8% 0.2% 11,394,989</td><td>11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 137% 12% 0% 12% -74% 59% 32% 6% 2% 0% 101.2% -1.2% 11,324,755</td><td>13,825,178 58% 3% 29% 5% 2% 2% -180,149 -134% 99% 7% 0% 5% 5% -77% 62% 30% 5% 2% 1% 101.3% -1.3% 13,645,029</td><td>16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35% 2% 0% 2% 0% 2% -24% 68% 26% 3% 1% 1% 1%</td><td>15,671,629 63% 4% 27% 3% 2% 2% 2% 212,307 99% 43% 1% 0% 4% -46% 67% 27% 3% 27% 3% 2% 1% 1%</td><td>13,122,542 60% 4% 30% 2% 2% 2% -173,115 -95% 104% 0% 0% 7% -116% 64% 31% 2% 2% 2% 2% 1% 101.3% -1.3% 12,949,426</td><td>12,338,638 56% 5% 32% 2% 2% -89,451 -220% 187% 4% 20% 17% -107% 61% 32% 3% 2% 2% 2% 100.7% -0.7% 12,249,187</td><td>12,157,281 57% 5% 33% 2% 0% -54,598 -459% 382% 3% 9% 33% -69% 62% 33% -69% 62% 33% 2% 0% 100.5% -0.5% 12,102,682</td><td>13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107% 7% 6% 11% -19% 64% 31% 2% 2% 2% 2% 2% 2% 2% 1.1% 13,905,071</td></t<>	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156% 62% 0% 127% -365% 62% 31% 5% 2% 0% 100.2% -0.2% 14,167,856	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221% 181% 5% 0% 16% -81% 62% 31% 5% 2% 1% 101.1% -1.1% 13,030,501	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85% 240% 12% 0% 18% -85% 65% 27% 6% 27% 6% 27% 6% 22% 0% 98.9% 1.1% 12,640,075	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233% 55% 0% 92% -396% 61% 30% 6% 2% 0% 99.8% 0.2% 11,394,989	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 137% 12% 0% 12% -74% 59% 32% 6% 2% 0% 101.2% -1.2% 11,324,755	13,825,178 58% 3% 29% 5% 2% 2% -180,149 -134% 99% 7% 0% 5% 5% -77% 62% 30% 5% 2% 1% 101.3% -1.3% 13,645,029	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35% 2% 0% 2% 0% 2% -24% 68% 26% 3% 1% 1% 1%	15,671,629 63% 4% 27% 3% 2% 2% 2% 212,307 99% 43% 1% 0% 4% -46% 67% 27% 3% 27% 3% 2% 1% 1%	13,122,542 60% 4% 30% 2% 2% 2% -173,115 -95% 104% 0% 0% 7% -116% 64% 31% 2% 2% 2% 2% 1% 101.3% -1.3% 12,949,426	12,338,638 56% 5% 32% 2% 2% -89,451 -220% 187% 4% 20% 17% -107% 61% 32% 3% 2% 2% 2% 100.7% -0.7% 12,249,187	12,157,281 57% 5% 33% 2% 0% -54,598 -459% 382% 3% 9% 33% -69% 62% 33% -69% 62% 33% 2% 0% 100.5% -0.5% 12,102,682	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107% 7% 6% 11% -19% 64% 31% 2% 2% 2% 2% 2% 2% 2% 1.1% 13,905,071
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWhBalancing Energy Market MWhBalancing Energy LSE Internal LBMP Energy SalesBalancing Energy Bilateral - Importl/Non-LBMP Market BilateralsBalancing Energy Bilateral - Importl/Non-LBMP Market BilateralsBalancing Energy Bilateral - Importl/Non-LBMP Market BilateralsBalancing Energy Bilateral - Export/Non-LBMP Market BilateralsBalancing Energy Bilateral - Export/Non-LBMP Market BilateralsBalancing Energy Bilateral - Wheel Through BilateralsBalancing Energy Bilateral - Wheel Through BilateralsBalancing Energy Bilateral - Wheel Through BilateralsBalancing Energy Bilateral SImport BilateralsImport BilateralsImport BilateralsWheels ThroughMarket Share of Total LoadDay Ahead MarketBalancing Energy +	14,194,609 56% 6% 30% 5% 2% 1% -26,753 -1080% 1156% 62% 0% 127% -365% 62% 31% 5% 2% 0% 100.2% -0.2%	13,172,669 56% 5% 30% 5% 2% 1% -142,168 -221% 181% 5% 0% 16% -81% 62% 31% 5% 2% 1% 1%	12,495,999 59% 5% 27% 6% 2% 1% 144,076 -85% 240% 12% 0% 18% -85% 2% 0% 27% 6% 27% 6% 27% 6% 2% 0%	11,372,390 54% 7% 30% 6% 2% 1% 22,599 -884% 1233% 55% 0% 92% -396% 61% 30% 6% 2% 0% 99.8% 0.2%	11,462,320 55% 4% 31% 6% 2% 1% -137,565 -187% 137% 12% 0% 12% -74% 59% 32% 6% 2% 0% 101.2% -1.2%	13,825,178 58% 3% 29% 5% 2% -180,149 -134% 99% 7% 0% 5% -77% 62% 30% 5% 2% 1% 101.3% -1.3%	16,629,337 65% 2% 26% 3% 1% 2% 403,914 85% 35% 2% 0% 2% -24% 68% 26% 3% 1% 1% 1% 1%	15,671,629 63% 4% 27% 3% 2% 2% 212,307 99% 43% 1% 0% 43% -46% 67% 27% 3% 27% 3% 2% 1% 1%	13,122,542 60% 4% 30% 2% 2% 2% -173,115 -95% 104% 0% 0% 7% -116% 64% 31% 2% 2% 2% 1% 101.3% -1.3%	12,338,638 56% 5% 32% 2% 2% -89,451 -220% 187% 4% 20% 17% -107% 61% 32% 3% 2% 2% 2% 2%	12,157,281 57% 5% 33% 2% 0% -54,598 -459% 382% 3% 9% 33% -69% 62% 33% -69% 33% -69% 0% 100.5% -0.5%	13,748,181 59% 5% 31% 2% 2% 2% 156,891 -12% 107% 6% 11% -19% 6% 31% 2% 2% 2% 2% 2% 2% 2% 1.1%

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

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

<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.

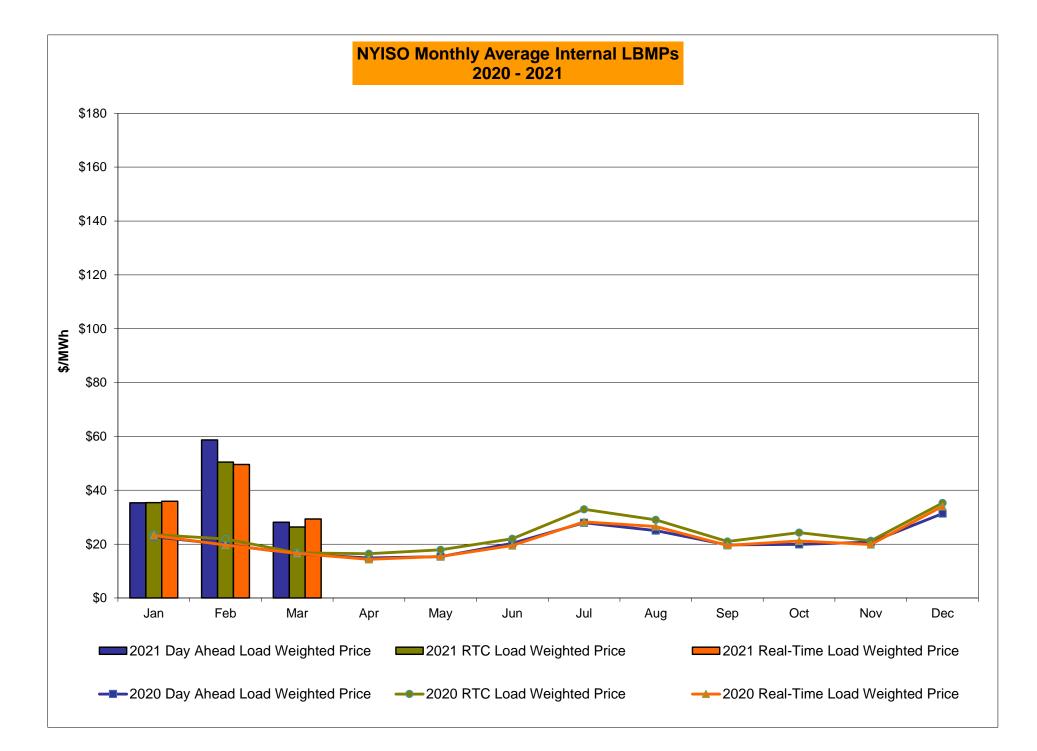
NYISO Markets 2021 Energy Statistics

	<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							
Standard Deviation	\$14.58	\$24.48	\$8.23							
Load Weighted Price **	\$35.31	\$58.67	\$28.12							
RTC LBMP										
Price *	\$34.32	\$49.25	\$25.59							
Standard Deviation	\$20.93	\$23.34	\$12.67							
Load Weighted Price **	\$35.40	\$50.48	\$26.37							
REAL TIME LBMP										
Price *	\$34.59	\$48.22	\$28.06							
Standard Deviation	\$29.47	\$26.46	\$26.13							
Load Weighted Price **	\$35.89	\$49.57	\$29.33							
Average Daily Energy Sendout/Month GWh	427	434	381							

NYISO Markets 2020 Energy Statistics

	<u>January</u>	<u>February</u>	March	<u>April</u>	May	June	July	August	<u>September</u>	<u>October</u>	November [December
DAY AHEAD LBMP Price * Standard Deviation Load Weighted Price **	\$22.11 \$7.43 \$22.77	\$19.48 \$4.45 \$19.84	\$16.07 \$3.21 \$16.36	\$14.67 \$2.71 \$14.86	\$14.97 \$3.55 \$15.37	\$19.15 \$6.40 \$20.28	\$26.30 \$10.45 \$27.94	\$23.61 \$8.56 \$25.01	\$18.88 \$5.41 \$19.72	\$19.40 \$6.36 \$19.91	\$20.07 \$7.15 \$20.75	\$30.45 \$12.35 \$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 Load Weighted Price **	\$9.33 \$23.50	\$53.30 \$21.94	\$4.84 \$16.74	\$5.17 \$16.44	\$8.61 \$17.89	\$11.26 \$22.01	\$17.92 \$32.92	\$17.17 \$29.01	\$11.37 \$20.99	\$14.44 \$24.25	\$14.19 \$21.23	\$25.41 \$35.28
REAL TIME LBMP Price * Standard Deviation Load Weighted Price **	\$22.53 \$11.90 \$23.20	\$19.29 \$8.68 \$19.68	\$16.24 \$7.48 \$16.58	\$14.14 \$6.98 \$14.35	\$14.90 \$8.35 \$15.42	\$18.35 \$9.33 \$19.46	\$26.56 \$16.45 \$28.27	\$24.68 \$13.95 \$26.53	\$18.63 \$7.15 \$19.54	\$20.44 \$12.01 \$21.15	\$18.96 \$12.66 \$19.84	\$32.72 \$24.29 \$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.

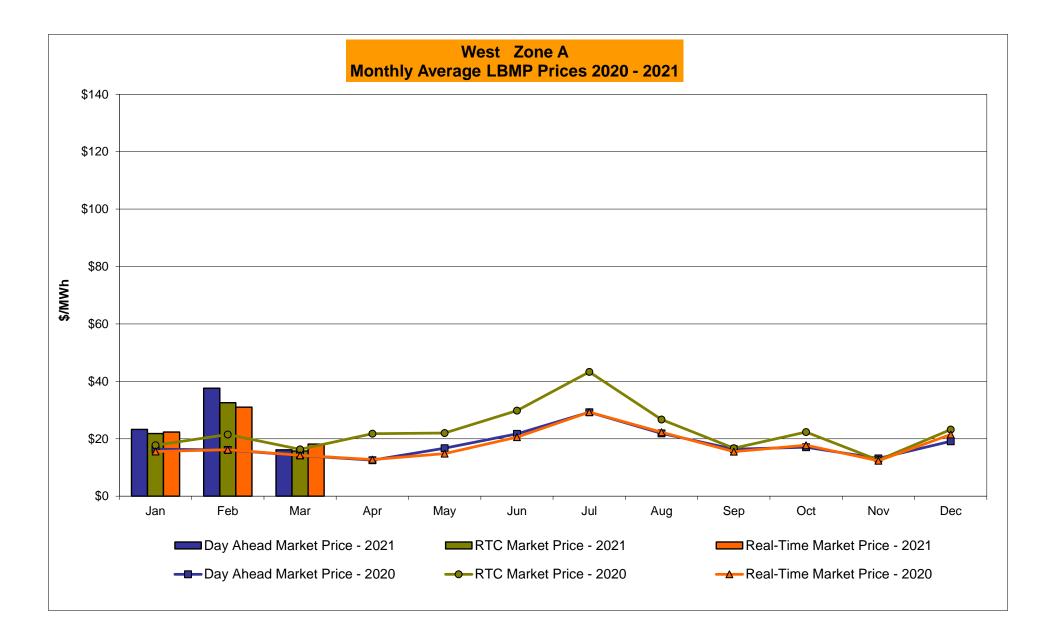


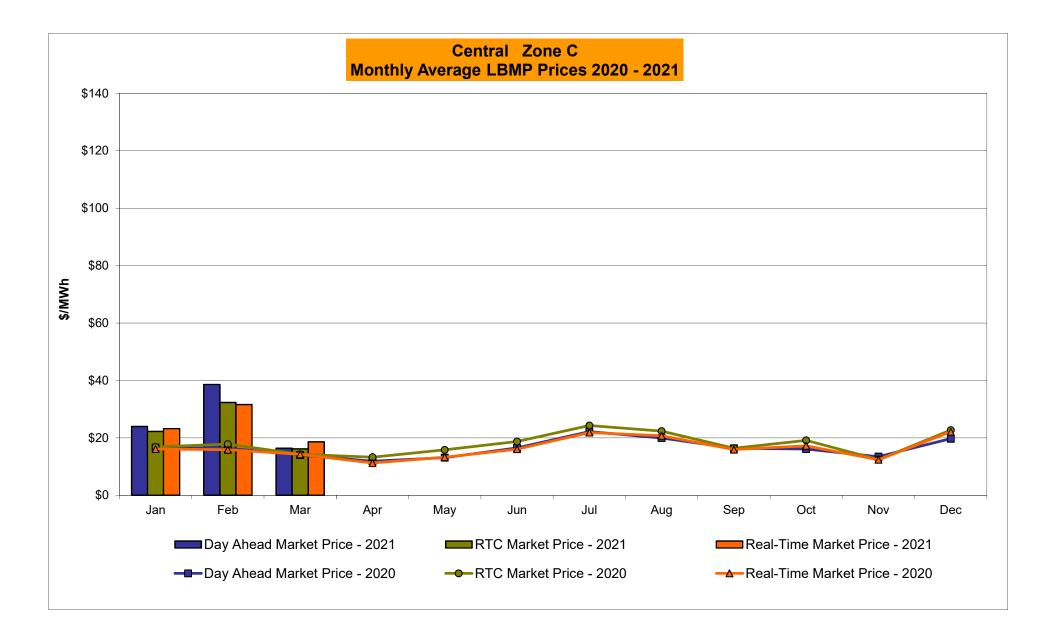
March 2021 Zonal LBMP Statistics for NYISO (\$/MWh)

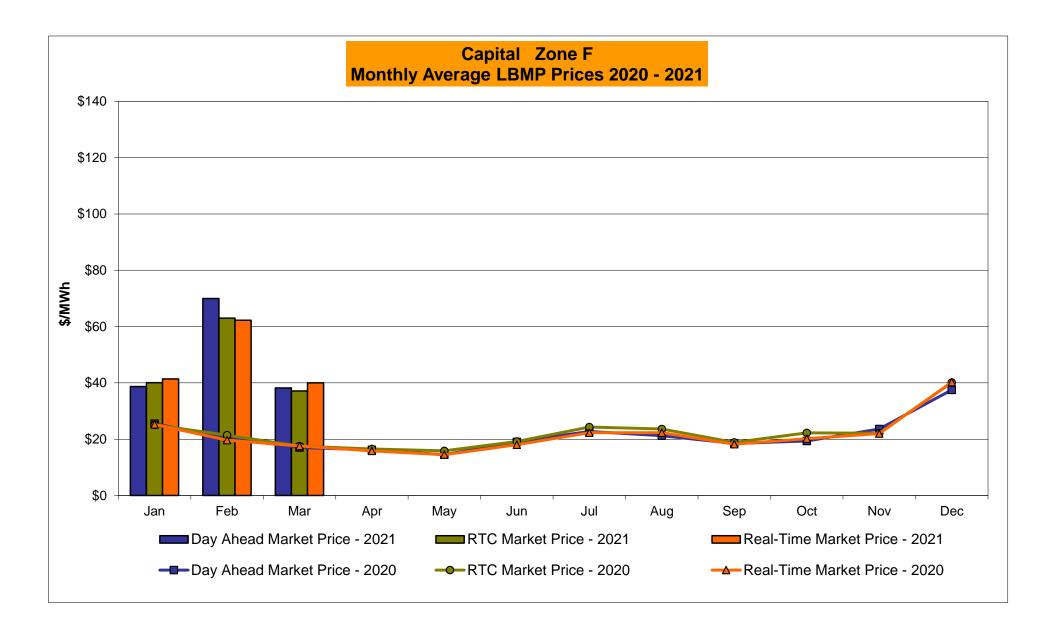
		_			MOHAWK		HUDSON			NEW YORK	LONG
	WEST	GENESEE	NORTH	CENTRAL	VALLEY	CAPITAL	VALLEY	MILLWOOD	DUNWOODIE	CITY	ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	<u>Zone I</u>	Zone J	<u>Zone K</u>
DAY AHEAD LBMP											
Unweighted Price *	16.11	15.44	11.78	16.38	16.49	38.19	31.13	31.68	31.57	31.65	40.29
Standard Deviation	6.28	6.46	7.37	6.61	6.85	13.01	9.48	9.50	9.42	9.41	13.21
RTC LBMP											
Unweighted Price *	15.76	15.20	9.82	16.12	16.80	37.10	28.99	29.48	29.31	29.38	34.79
Standard Deviation	11.97	12.27	35.66	12.37	14.48	23.37	14.02	14.19	14.00	13.97	23.58
REAL TIME LBMP											
Unweighted Price *	18.14	17.66	11.36	18.61	19.33	39.99	31.75	32.26	32.08	32.15	36.71
Standard Deviation	23.72	24.27	42.38	24.74	26.67	35.97	27.79	28.05	27.91	27.90	32.60

	ONTARIO	HYDRO QUEBEC	HYDRO QUEBEC		NEW	CROSS SOUND	NORTHPORT-				
	IESO		(Import/Export)	PJM	ENGLAND	CABLE	NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
						Controllable	Controllable	Controllable	Controllable	<u>Controllable</u>	Controllable
	<u>Zone O</u>	<u>Zone M</u>	<u>Zone M</u>	<u>Zone P</u>	Zone N	<u>Line</u>	<u>Line</u>	<u>Line</u>	<u>Line</u>	<u>Line</u>	<u>Line</u>
DAY AHEAD LBMP											
Unweighted Price *	15.45	12.38	12.38	15.45	38.46	20.61	40.43	39.27	11.76	31.43	38.66
Standard Deviation	6.07	7.03	7.03	6.07	14.83	6.12	13.29	13.26	7.16	9.06	13.93
RTC LBMP											
Unweighted Price *	14.74	12.20	12.20	14.74	37.45	20.17	34.78	34.58	12.49	28.95	33.58
Standard Deviation	10.95	13.17	13.17	10.95	19.46	9.97	23.95	23.58	43.75	13.14	20.27
Standard Deviation	10.00	10.17	10.17	10.00	10.40	5.57	20.00	20.00	40.70	10.14	20.21
<u>REAL TIME LBMP</u>											
Unweighted Price *	17.54	14.69	14.69	17.54	37.48	22.77	36.77	36.62	13.20	31.66	35.63
Standard Deviation	23.30	24.40	24.40	23.30	30.24	22.93	32.86	32.56	51.84	27.04	30.80

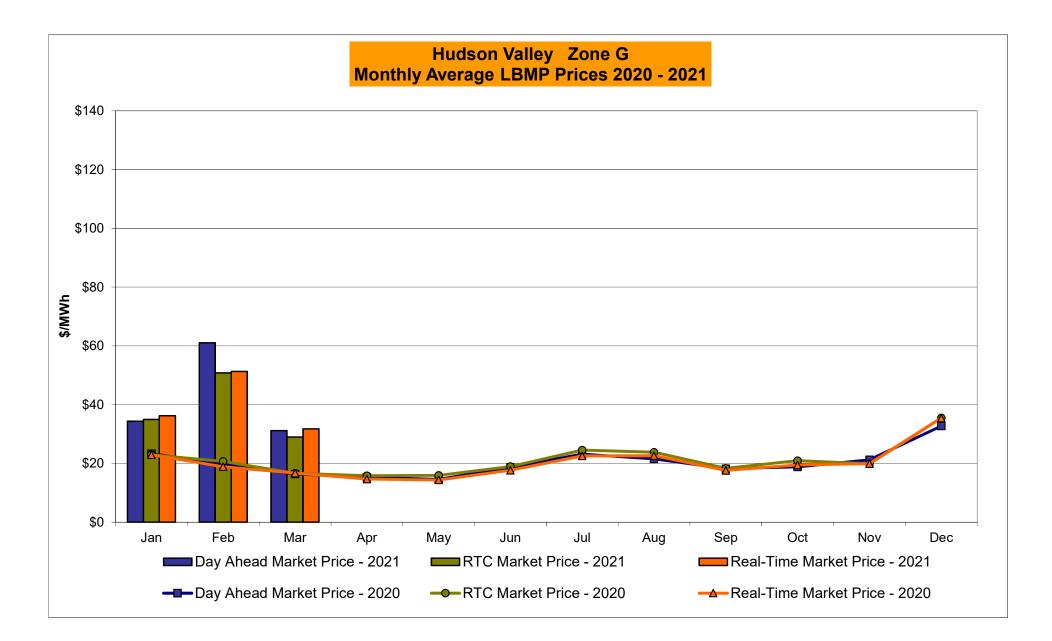
* Straight LBMP averages



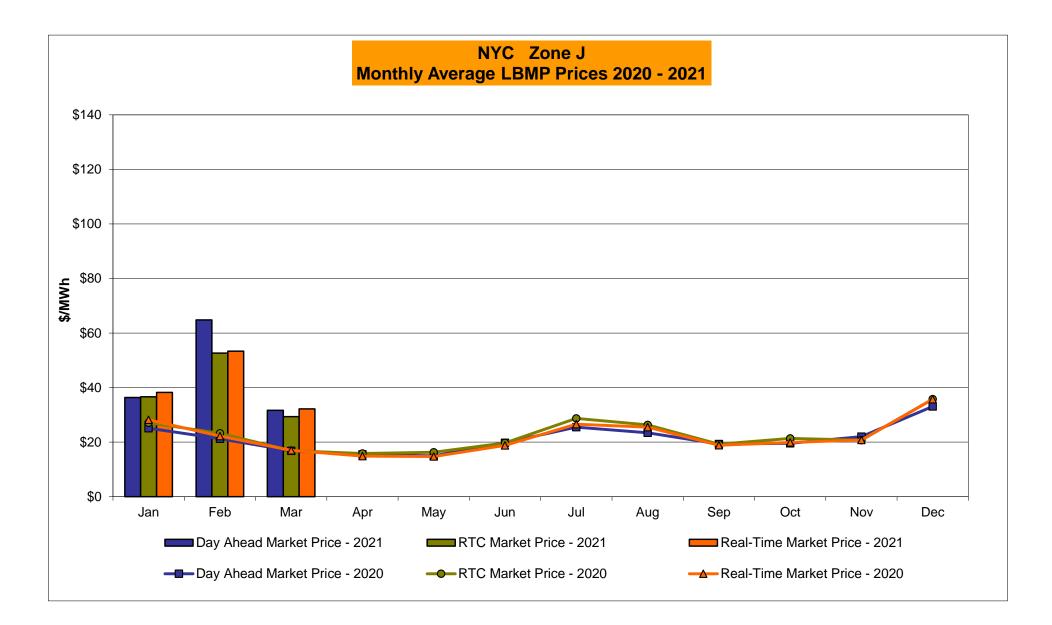


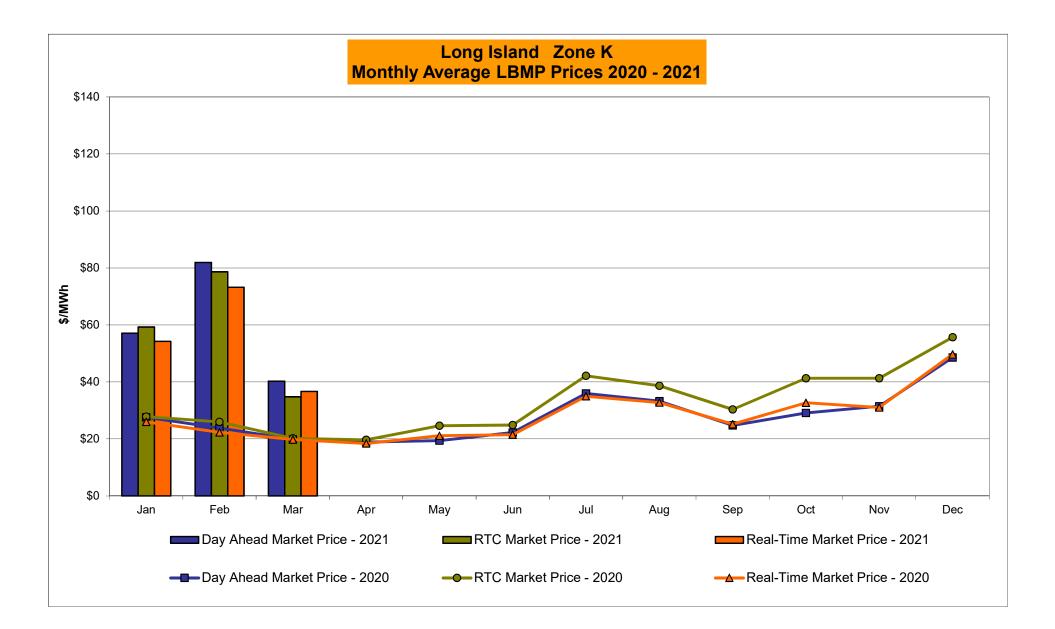


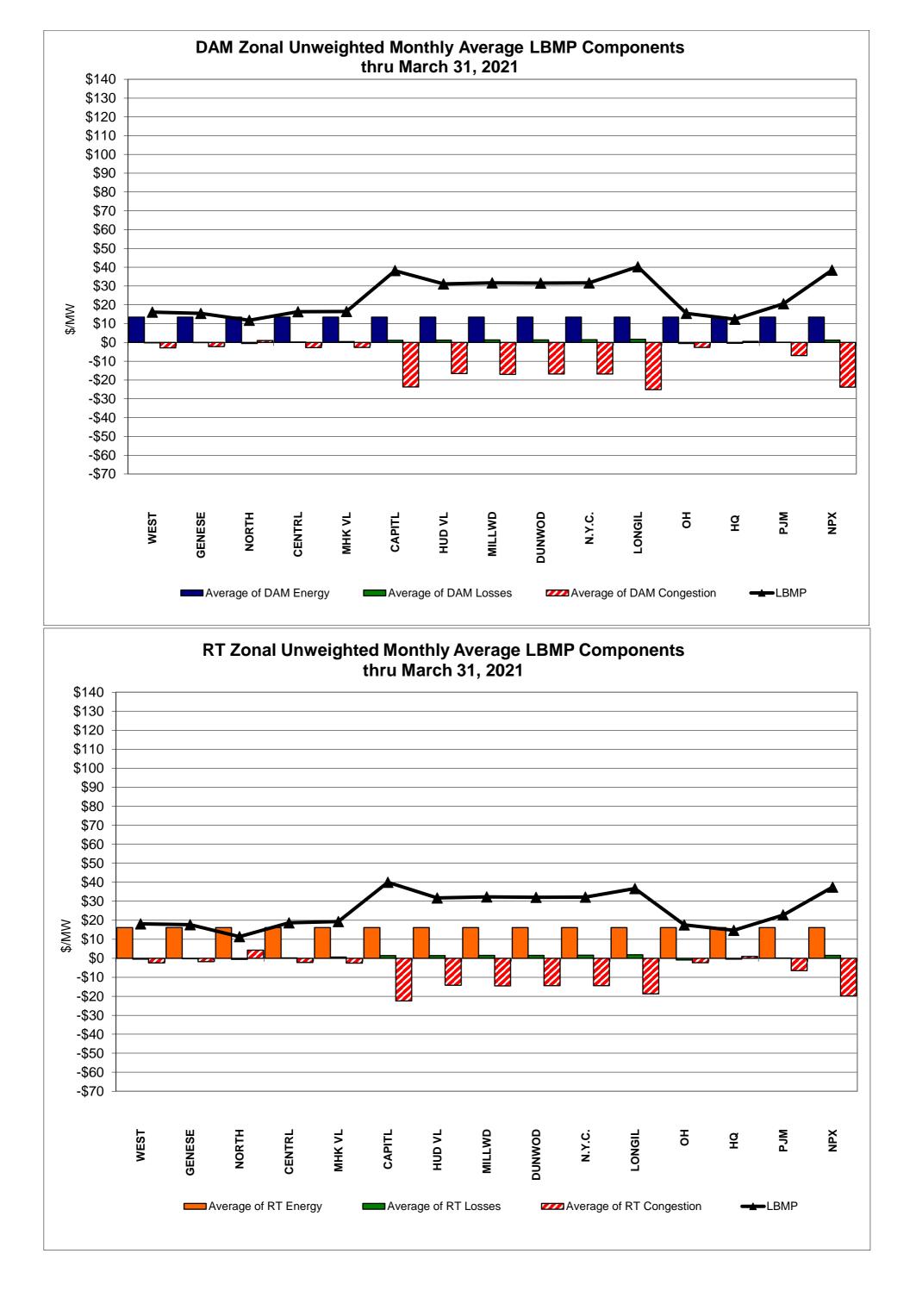
Market Mitigation and Analysis Prepared:4/8/2021 10:19 AM



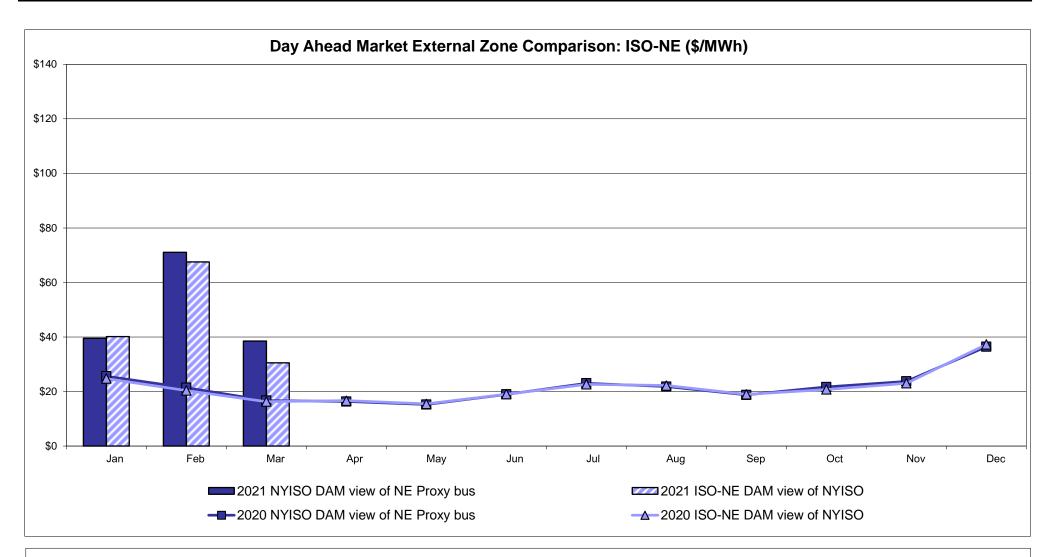
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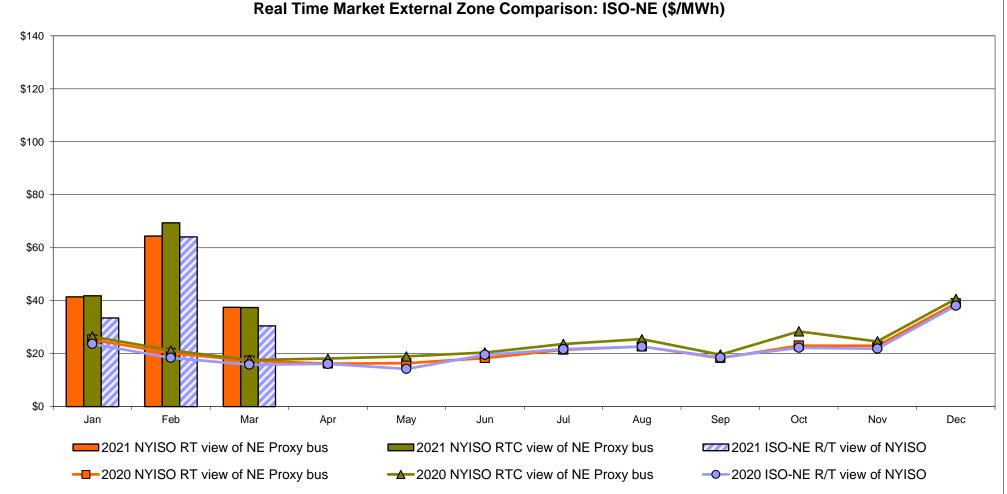


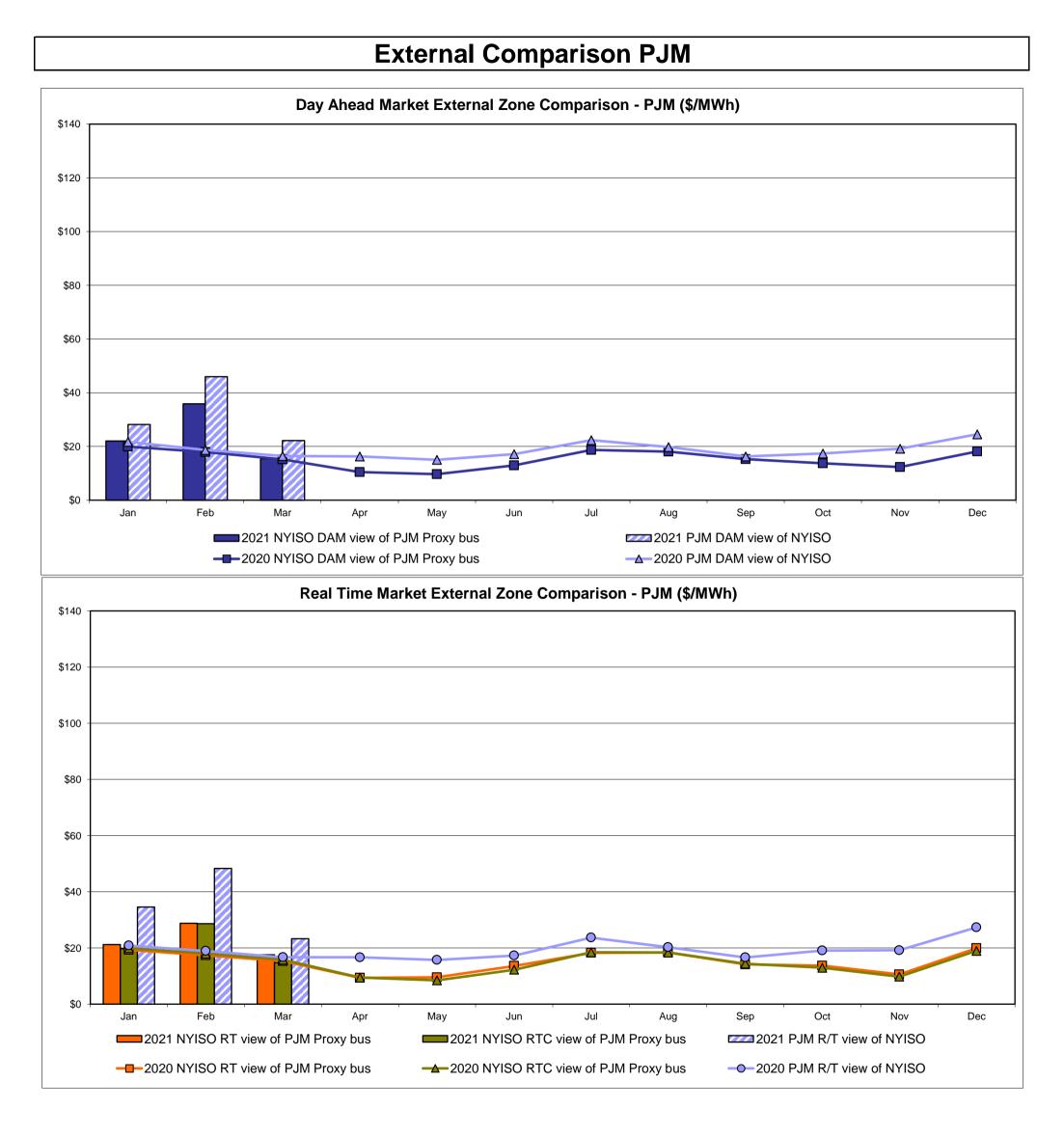




External Comparison ISO-New England

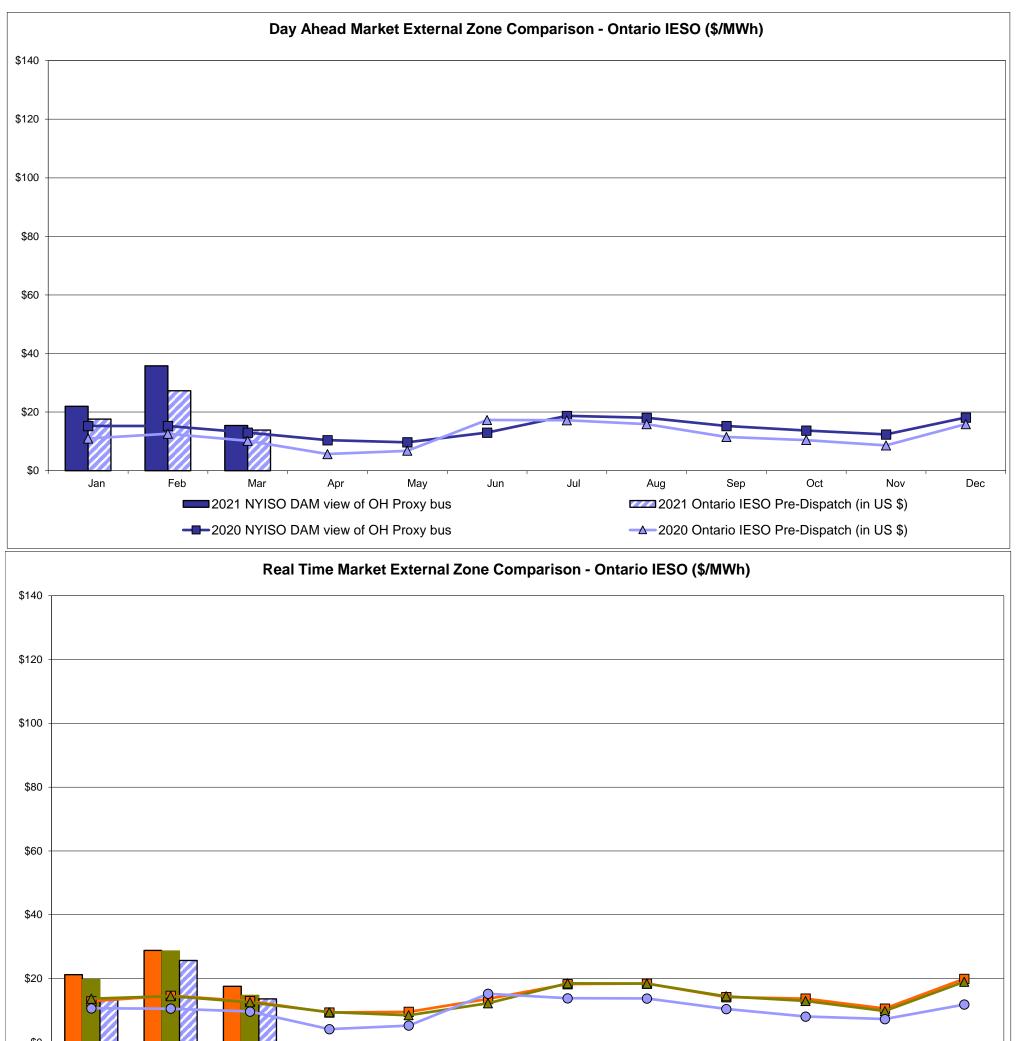






Market Mitigation and Analysis Prepared: 4/8/2021 10:20 AM

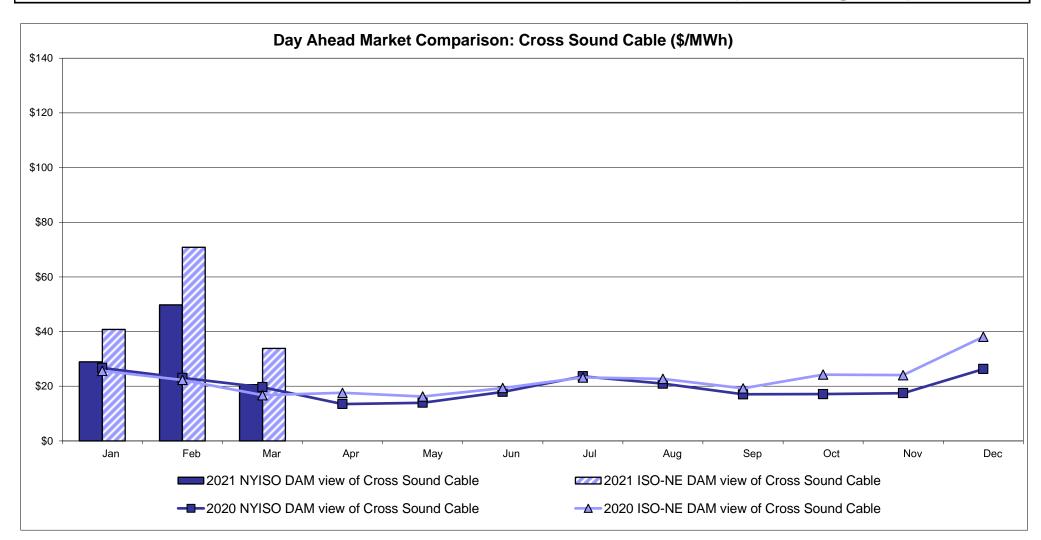
External Comparison Ontario IESO



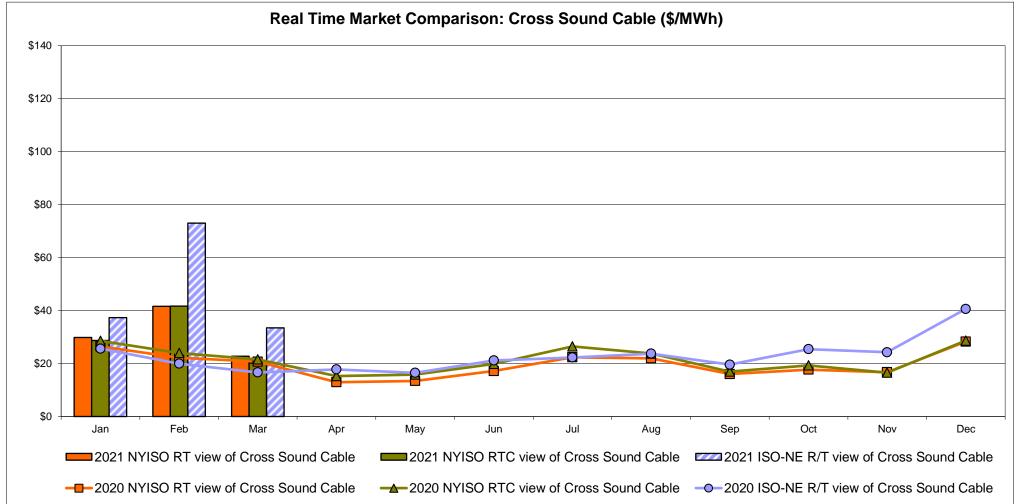
\$0 +-•	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	— 202	1 NYISO RT v	riew of OH Pro	oxy bus	2021	NYISO RTC	view of OH P	Proxy bus	2021	Ontario IESC	HOEP (in US	\$ \$)
	 202	0 NYISO RT v	view of OH Pro	oxy bus	 2020	NYISO RTC	view of OH P	roxy bus	-0-2020	Ontario IESC	HOEP (in US	S \$)

Notes: Exchange factor used for March 2021 was 0.795608242501392 to US HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price

Market Mitigation and Analysis Prepared: 4/8/2021 10:20 AM



External Controllable Line: Cross Sound Cable (New England)

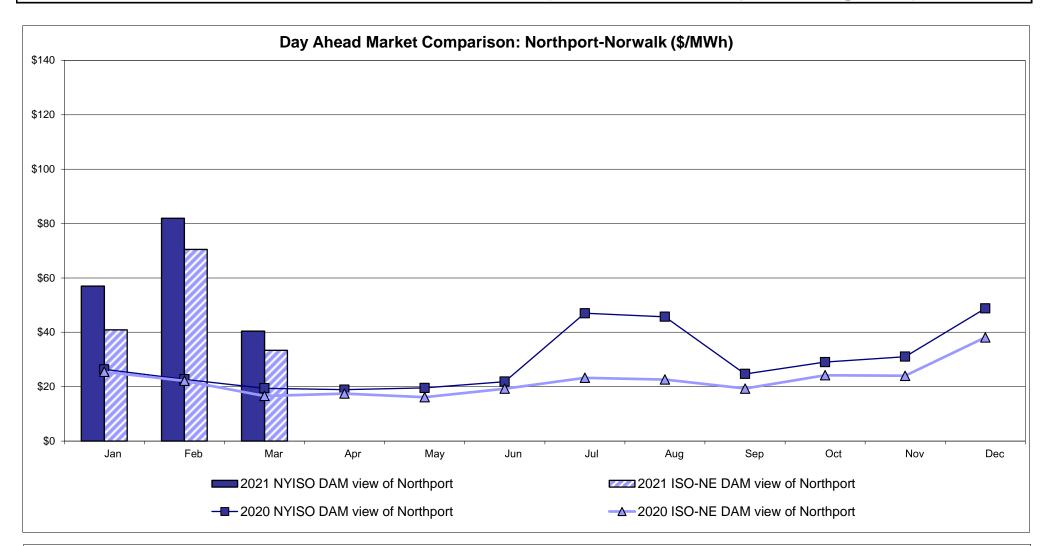


Note:

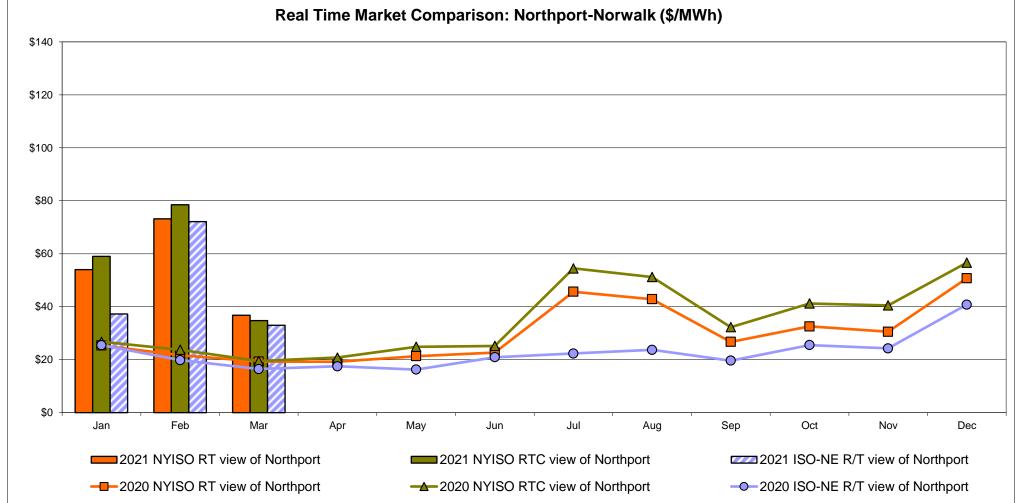
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)



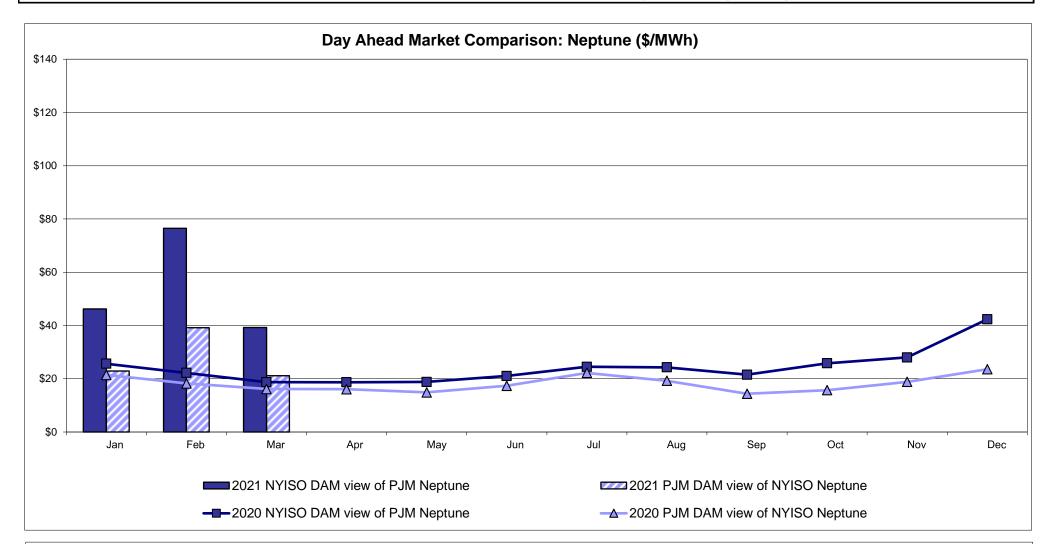
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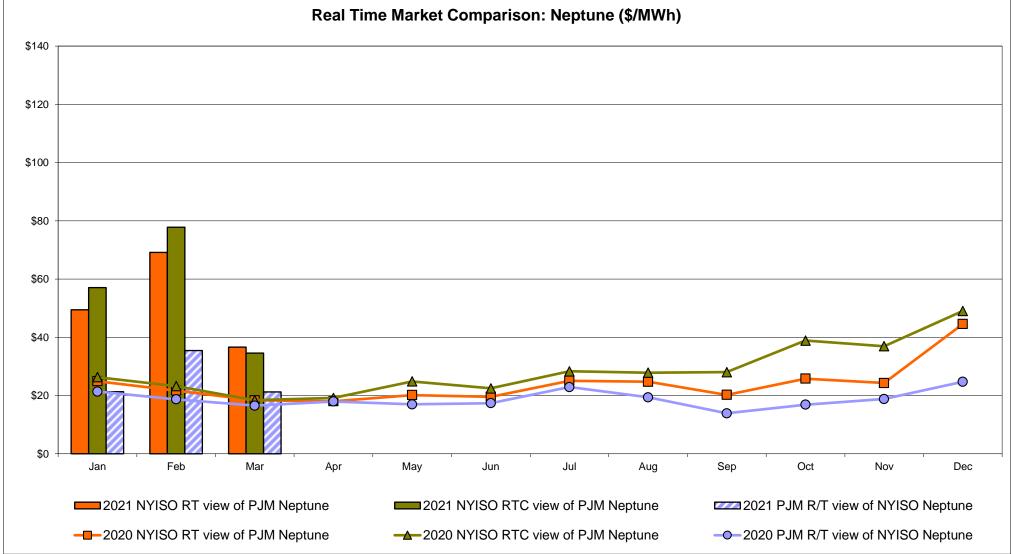
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

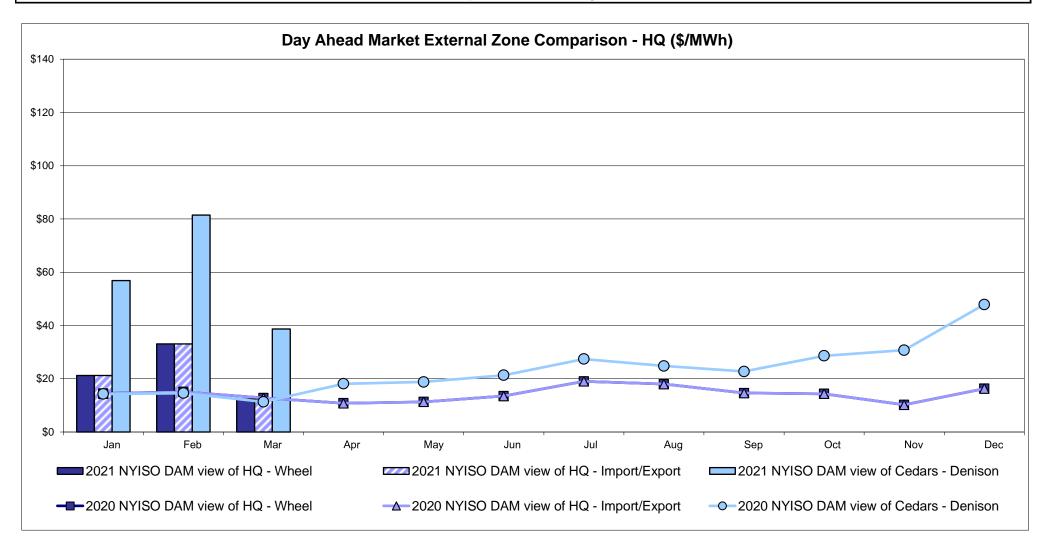
The DAM and R/T prices at the 1385 interface are used for NYISO.

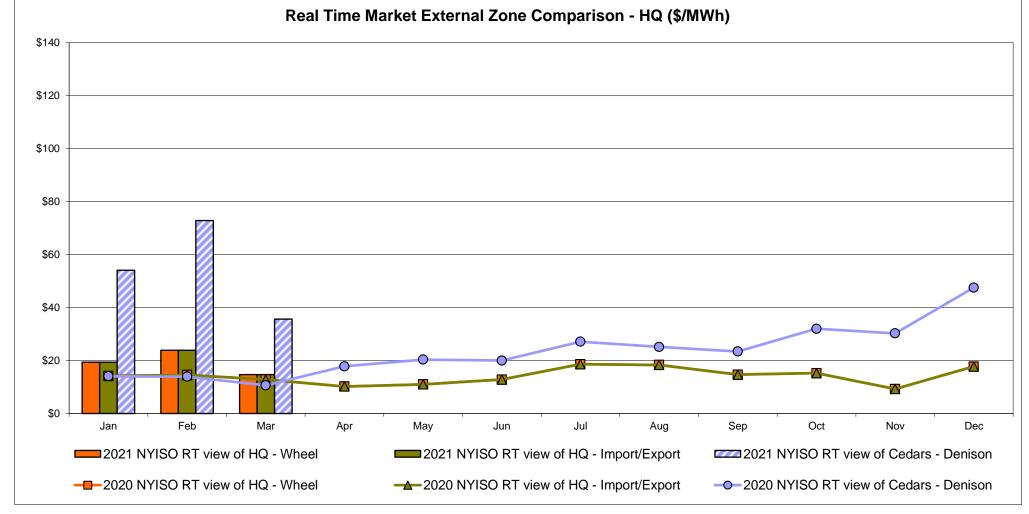
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

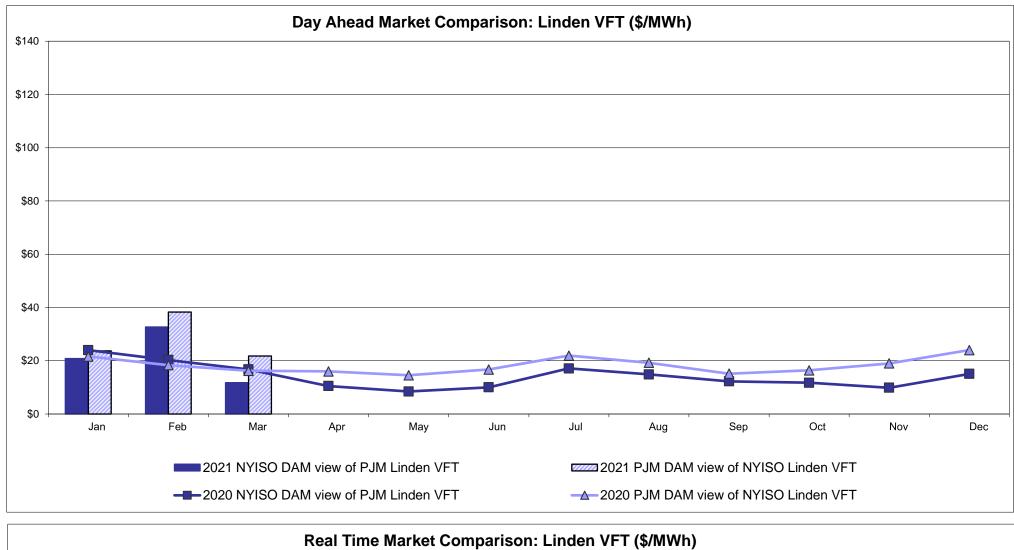


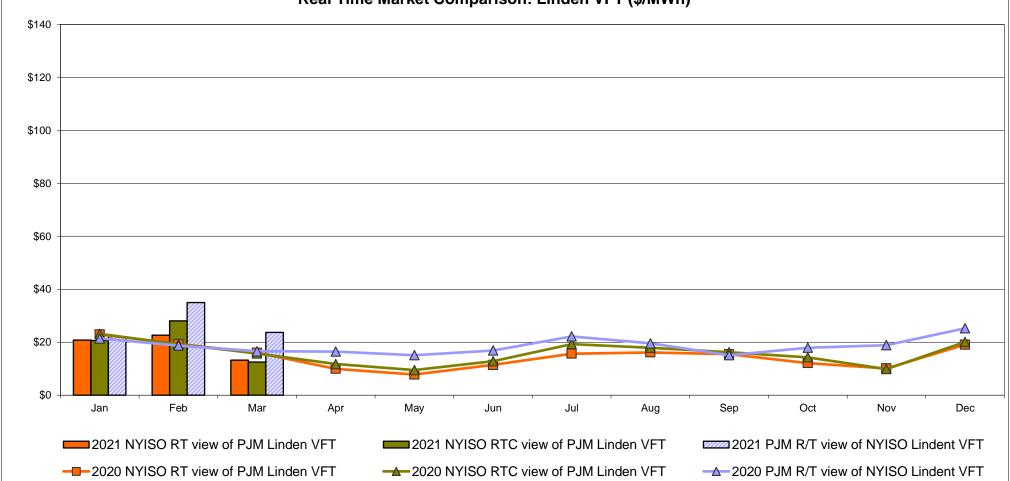


Note:

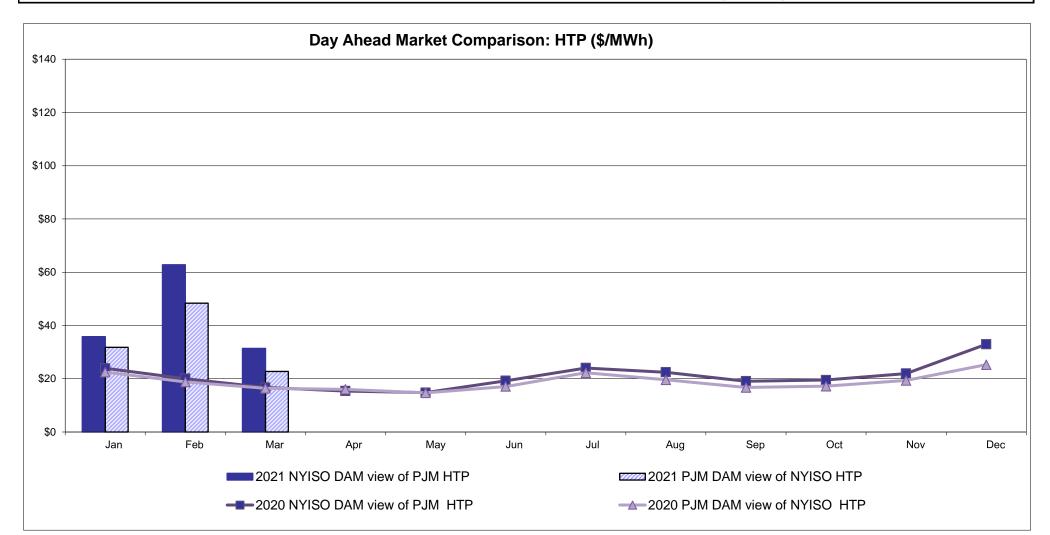
Hydro-Quebec Prices are unavailable.

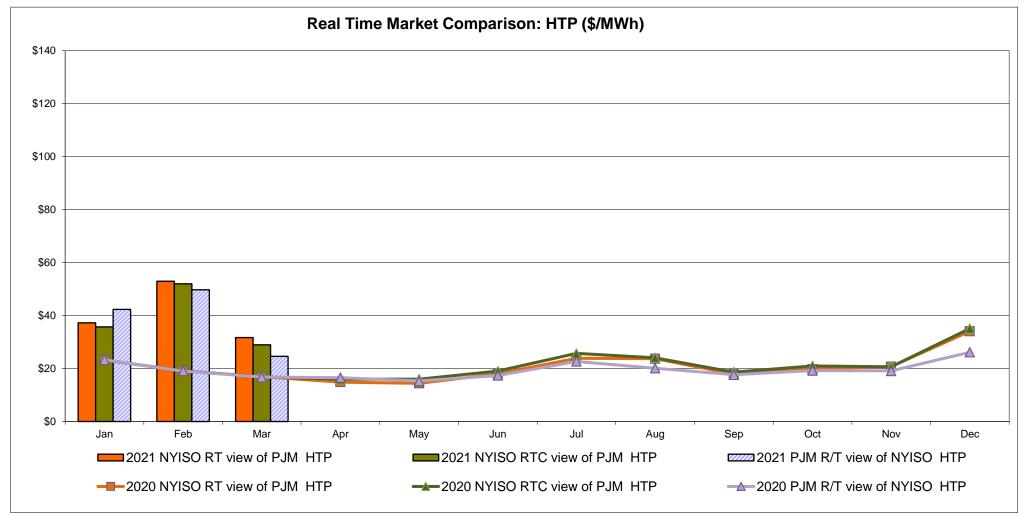
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)



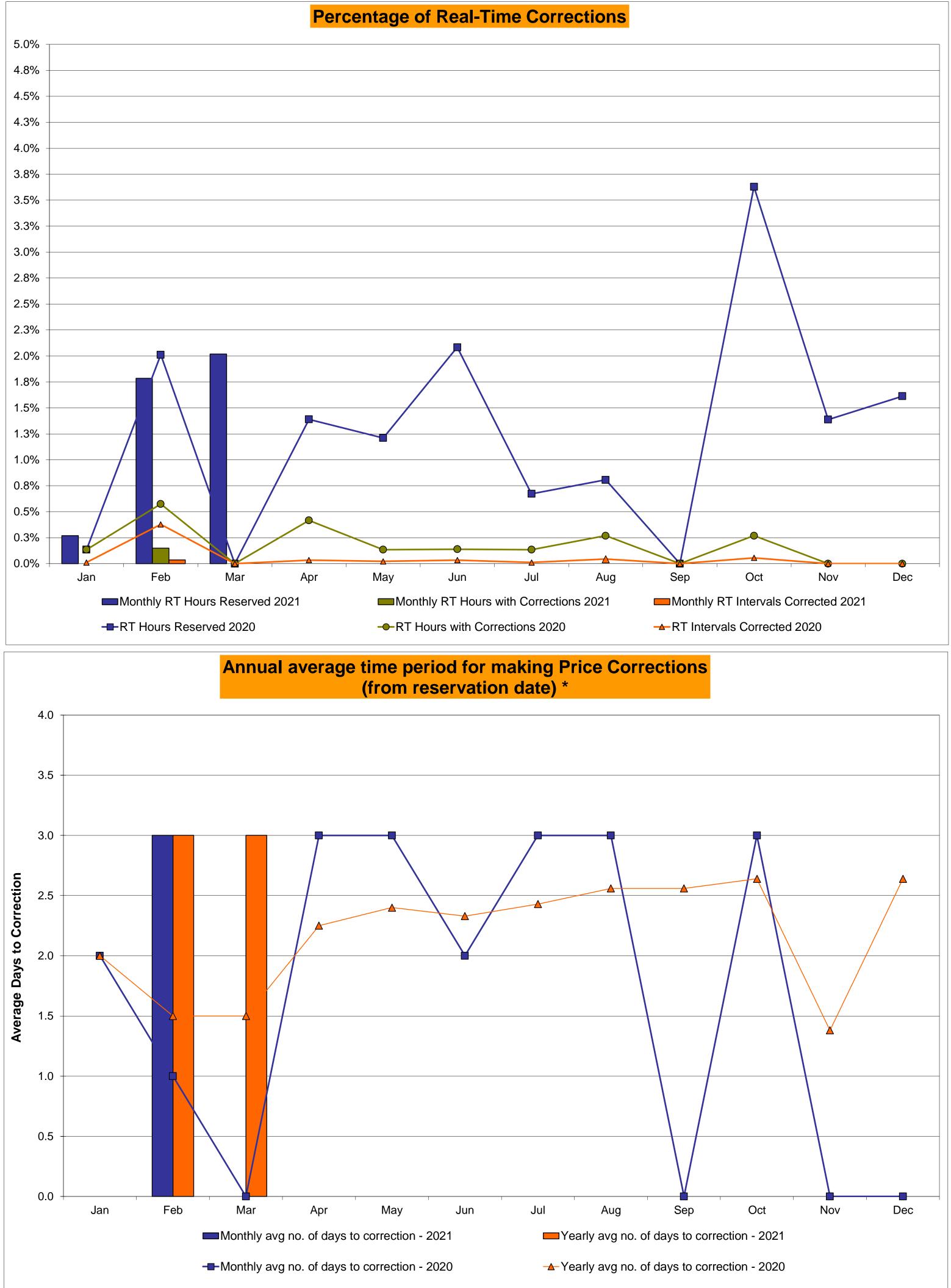


NYISO Real Time Price Correction Statistics

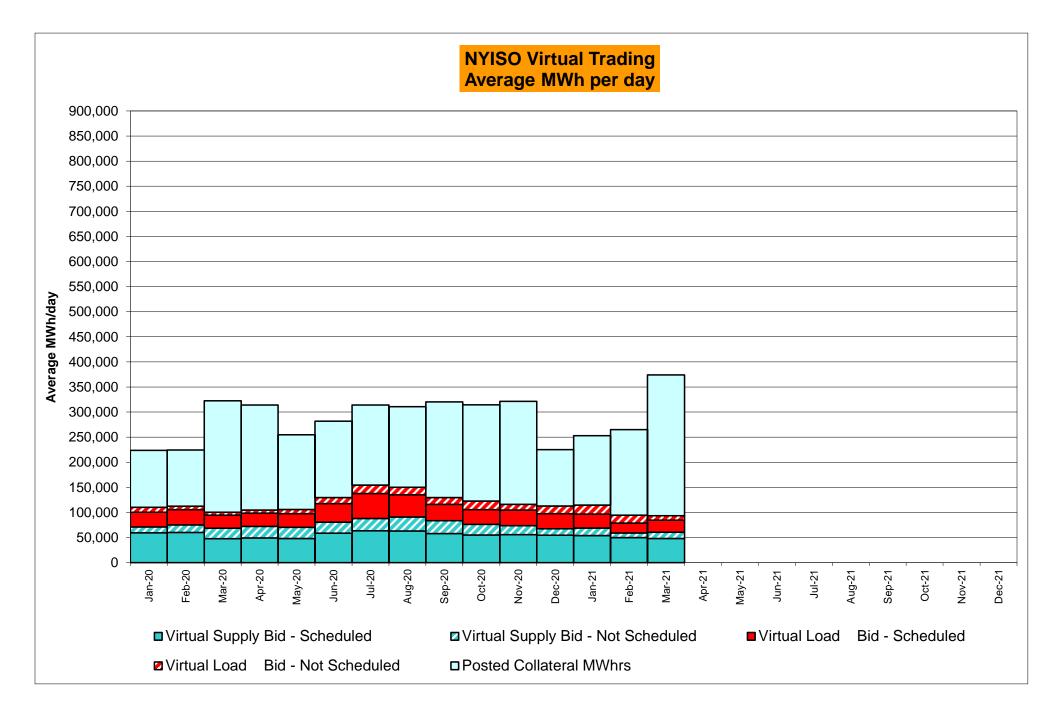
<u>2021</u>		<u>January</u>	February	March	<u>April</u>	May	June	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Hour Corrections	in the meanth	0	4	0									
Number of hours with corrections	in the month	0 744	1 672	0 743									
Number of hours % of hours with corrections	in the month			743 0.00%									
% of hours with corrections	in the month	0.00%	0.15%	0.00%									
% of hours with corrections	year-to-date	0.00%	0.07%	0.05%									
Interval Corrections	in the meanth	0	0	0									
Number of intervals corrected	in the month	0	3	0									
Number of intervals	in the month	9,095	8,236	9,100									
% of intervals corrected	in the month	0.00%	0.04%	0.00%									
% of intervals corrected	year-to-date	0.00%	0.02%	0.01%									
Hours Reserved		_		. –									
Number of hours reserved	in the month	2	12	15									
Number of hours	in the month	744	672	743									
% of hours reserved	in the month	0.27%	1.79%	2.02%									
% of hours reserved	year-to-date	0.27%	0.99%	1.34%									
Days to Correction *													
Avg. number of days to correction	in the month	0.00	3.00	0.00									
Avg. number of days to correction	year-to-date	0.00	3.00	3.00									
Days Without Corrections													
Days without corrections	in the month	31	27	31									
Days without corrections	year-to-date	31	58	89									
2020		January	February	March	April	May	June	July	August	September	October	November	December
2020 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Hour Corrections	in the month	<u>January</u> 1	<u>February</u> 4			<u>May</u> 1	<u>June</u> 1	<u>July</u> 1		<u>September</u> 0			<u>December</u> 0
Hour Corrections Number of hours with corrections	in the month in the month	1	4	0	3	1	1	1	2	0	2	0	0
Hour Corrections	in the month in the month in the month	<u>January</u> 1 744 0.13%				<u>May</u> 1 744 0.13%	<u>June</u> 1 720 0.14%	<u>July</u> 1 744 0.13%					
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	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 % 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% 0.19% 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	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% 0 8,810	2 744 0.27% 0.20%	0 721 0.00% 0.19% 0 8,790	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 correctedNumber of intervals% 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% 0.23% 0 9,011 0.00%	3 720 0.42% 0.28% 3 8,776 0.03%	1 744 0.13% 0.25% 2 9,030 0.02%	1 720 0.14% <u>0.23%</u> 3 8,826 0.03%	1 744 0.13% <u>0.22%</u> 1 9,128 0.01%	2 744 0.27% 0.22% 4 9,156 0.04%	0 720 0.00% <u>0.20%</u> 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	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% 0.19% 0 8,790	0 744 0.00% <u>0.17%</u> 0 9,083
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected % 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% 0.23% 0 9,011 0.00% 0.12%	3 720 0.42% 0.28% 3 8,776 0.03% 0.10%	1 744 0.13% 0.25% 2 9,030 0.02% 0.09%	1 720 0.14% 0.23% 3 8,826 0.03% 0.08%	1 744 0.13% <u>0.22%</u> 1 9,128 0.01% <u>0.07%</u>	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% <u>0.20%</u> 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% of intervals corrected% number of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	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 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 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% of intervals corrected% number of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	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 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% of hours reserved% of hours reserved% 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	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 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 correctedMumber of hours reservedNumber of hours reserved% 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 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%
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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% 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% 0 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% 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

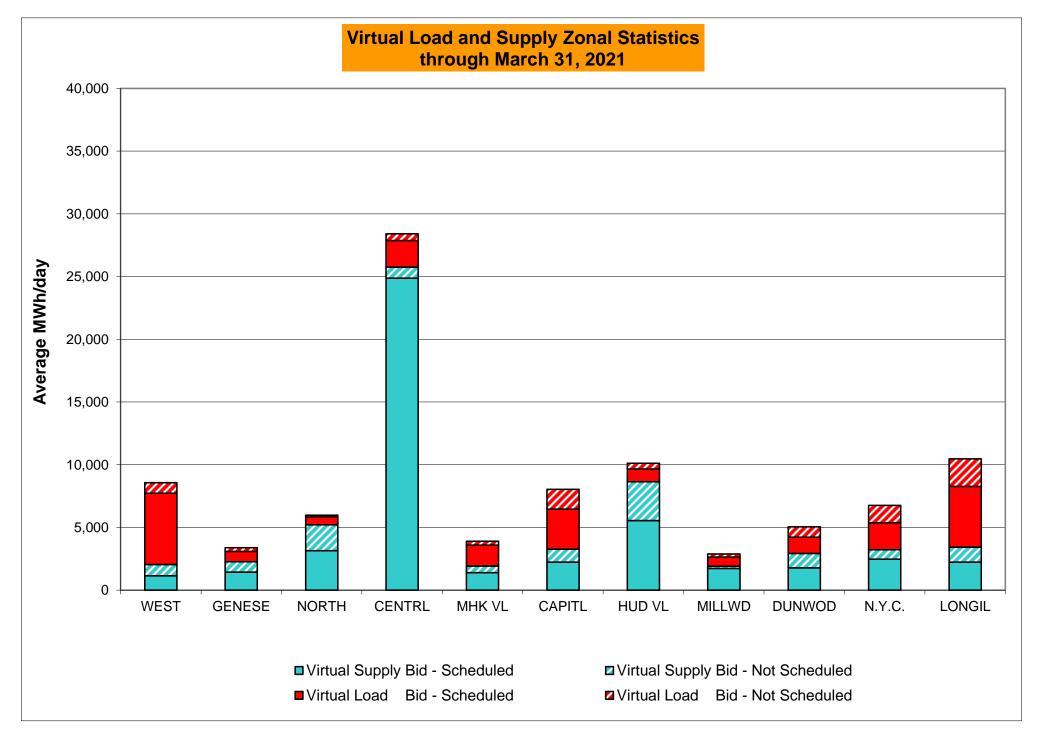
*Calendar days from reservation date; for June 2018 forward, business days from market date

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



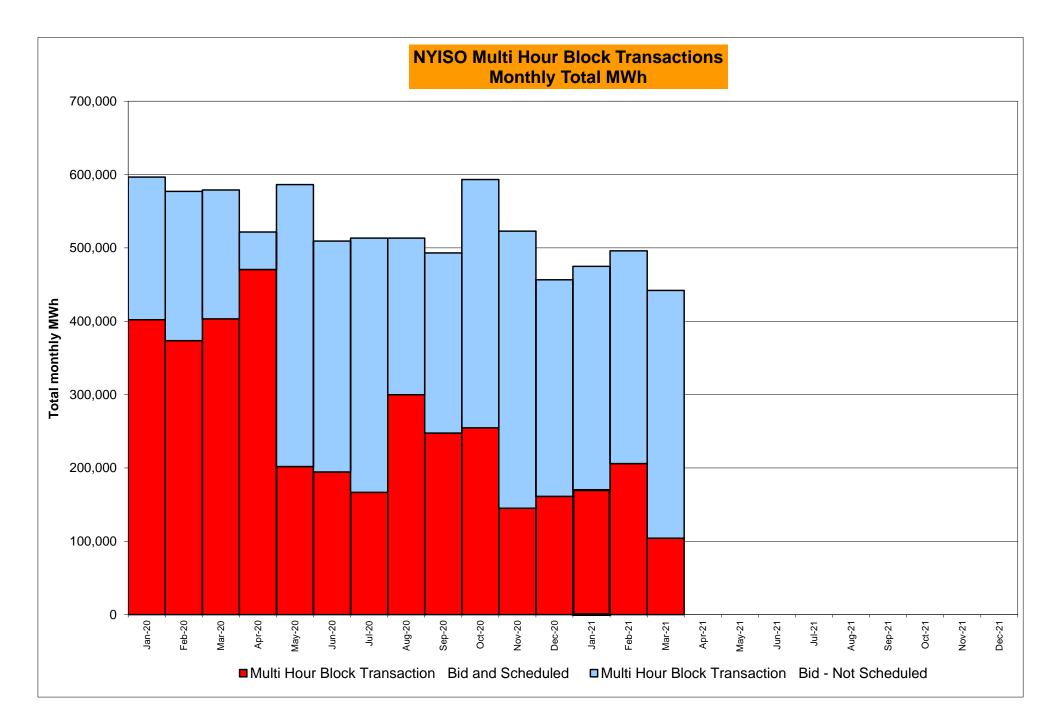
*Calendar days from reservation date; for June 2018 forward, business days from market date

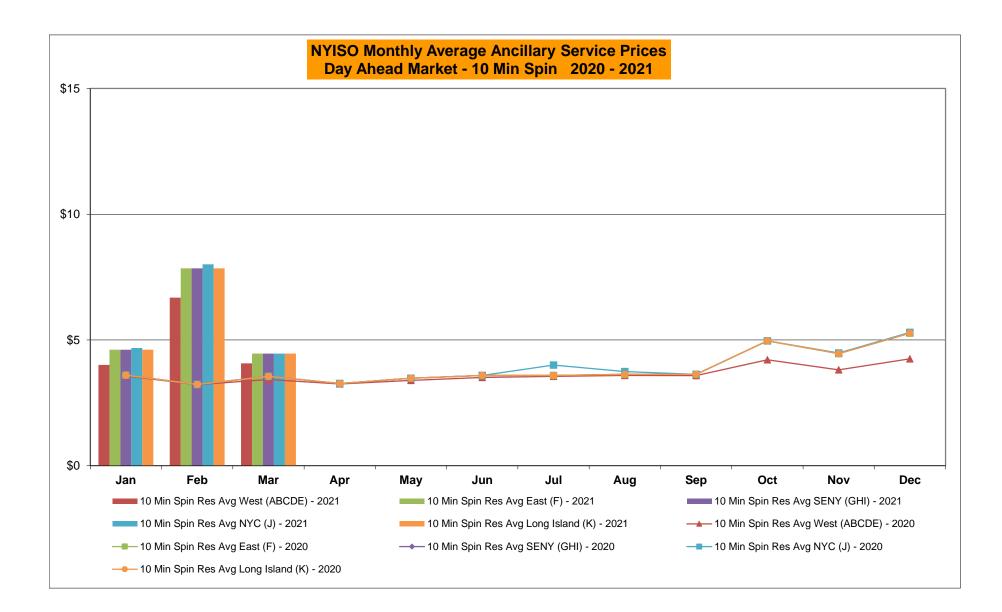


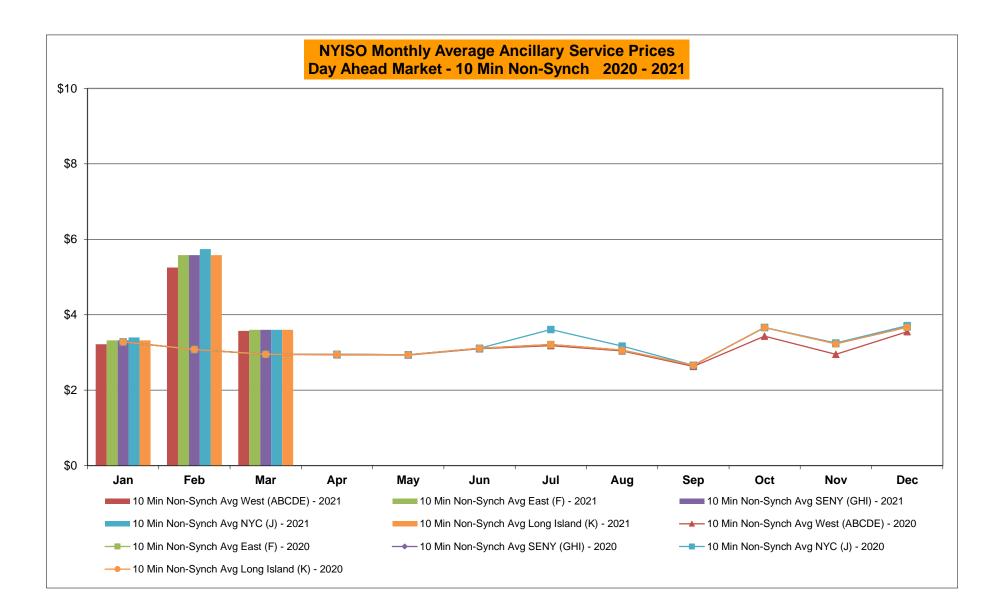


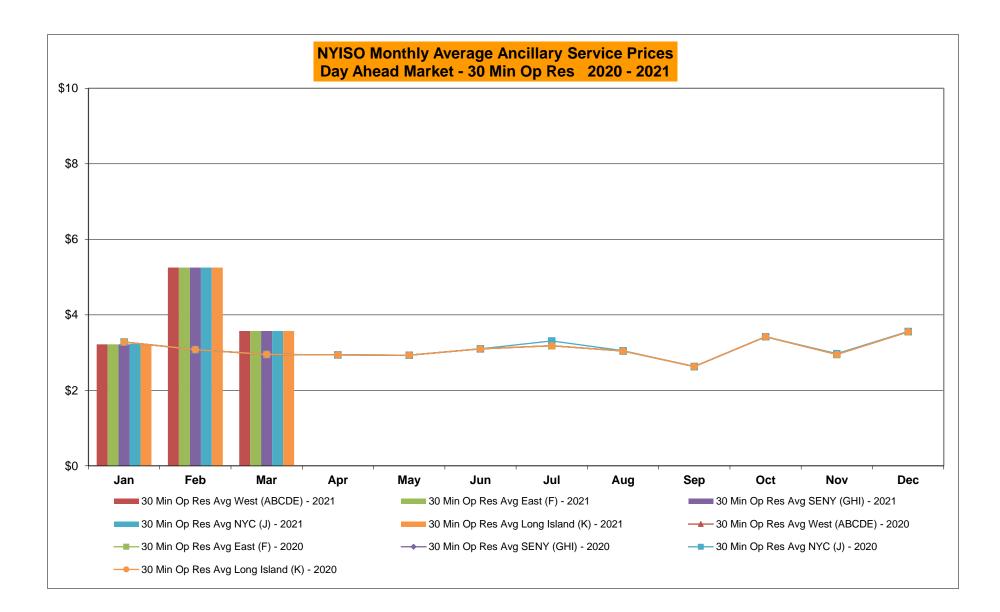
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2021

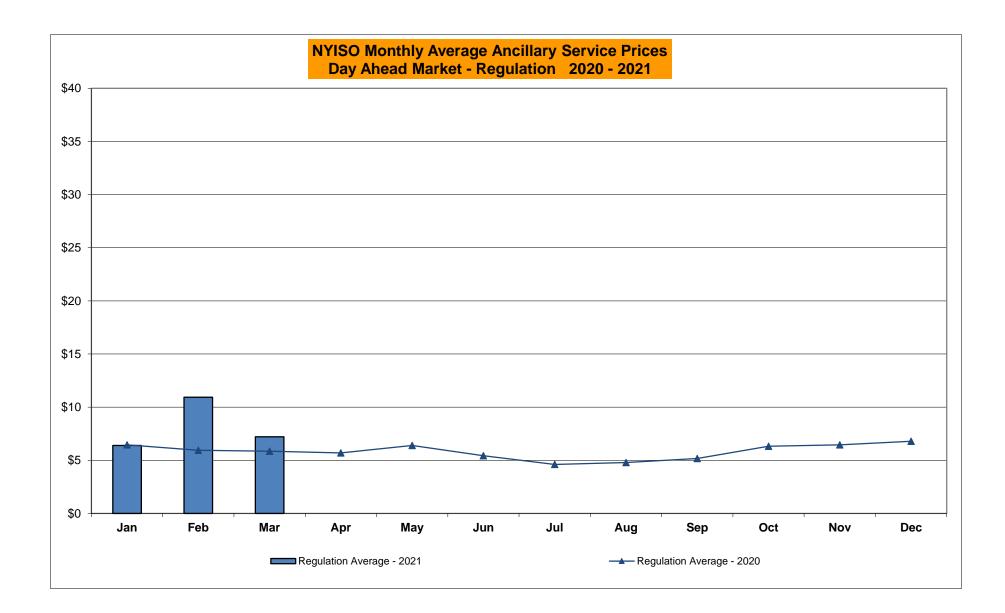
		Virtual L		Virtual Su			I	Virtual L	oad Bid	Virtual Su			1	Virtual L		Virtual Su	upply Bid
Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled
WEST	Jan-21	6,262		2,018	1,076	MHK VL	Jan-21	1,537		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	2,000	
	Mar-21	5,696		1,144	893		Mar-21	1,669		1,402			Mar-21	1,303	817	1,780	
	Apr-21	-,		,			Apr-21	,		, -			Apr-21	,		,	,
	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				
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		2,065			Feb-21	1,983	2,475	2,275	678
	Mar-21	817		1,433	833		Mar-21	3,192		2,230			Mar-21	2,149	1,385	2,465	
	Apr-21						Apr-21						Apr-21				
	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 Dec-21						Nov-21 Dec-21						Nov-21 Dec-21				
NORTH	Jan-21	830	498	3,280	1,220		Jan-21	1,666	1,215	5,917	7,429	LONGIL	Jan-21	4,341	4,976	3,261	686
	Feb-21	405		2,654	1,258	HOD VE	Feb-21	1,685		4,967	2,247	LONGIE	Feb-21	3,899	3,560	1,758	
	Mar-21	641	125	3,152	2,052		Mar-21			5,555			Mar-21	4,846	2,196	2,232	
	Apr-21			0,102	,00		Apr-21			0,000			Apr-21	.,		_,	.,
	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				
CENTRL	Jan-21	2,124	938	28,034	1,094	MILLWD	Jan-21	1,368	672	1,820	139	NYISO	Jan-21	27,659	17,816	54,093	14,973
	Feb-21	1,357	1,102	27,531	954		Feb-21	530		1,463			Feb-21	19,732	15,526		
	Mar-21	2,108		24,874	888		Mar-21		240	1,732			Mar-21	24,164	8,780	47,999	
	Apr-21						Apr-21						Apr-21				
	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				
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	Nov-21 Dec-21						Nov-21 Dec-21				ļ		Nov-21 Dec-21				

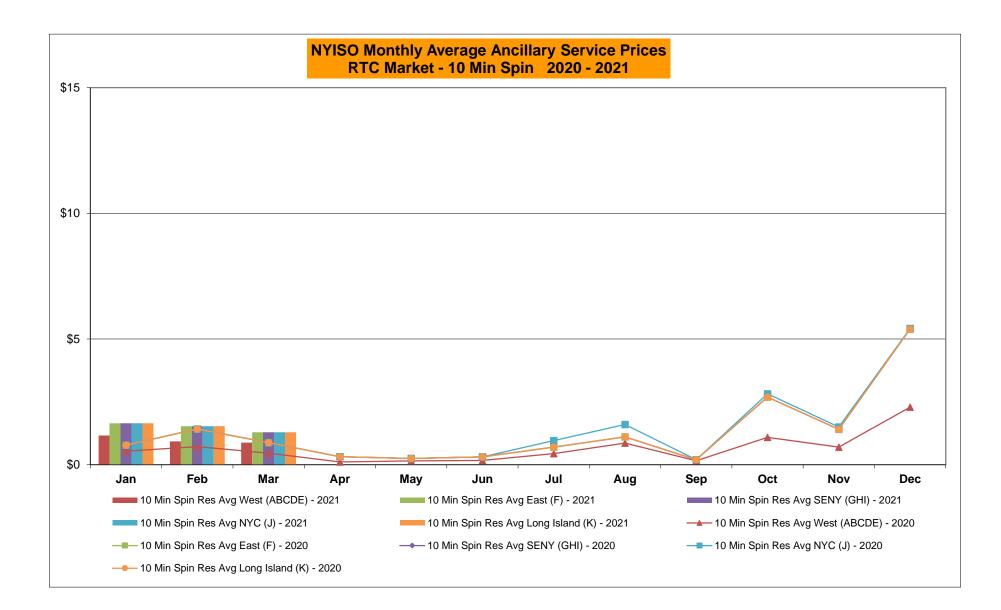


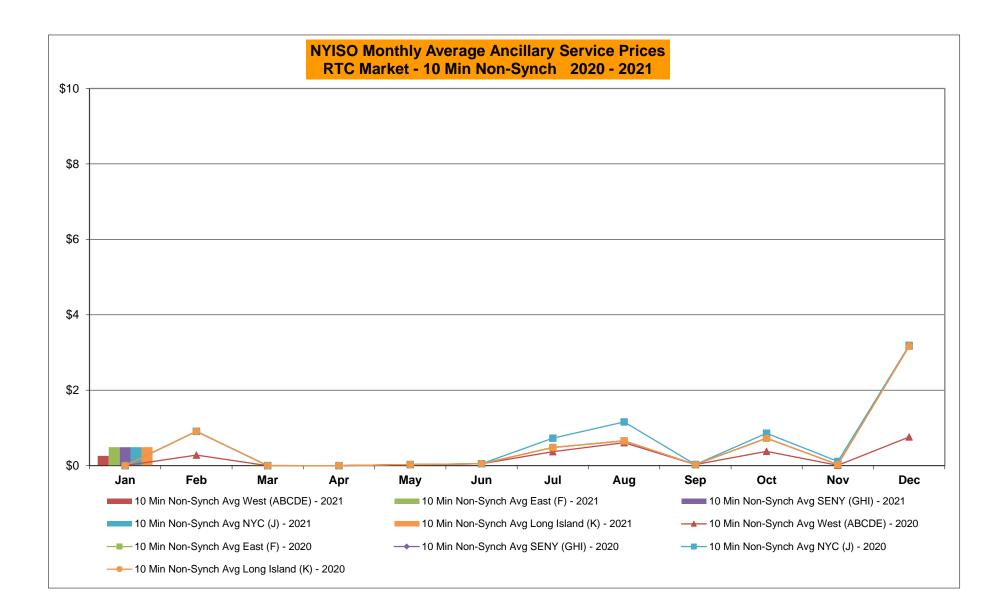


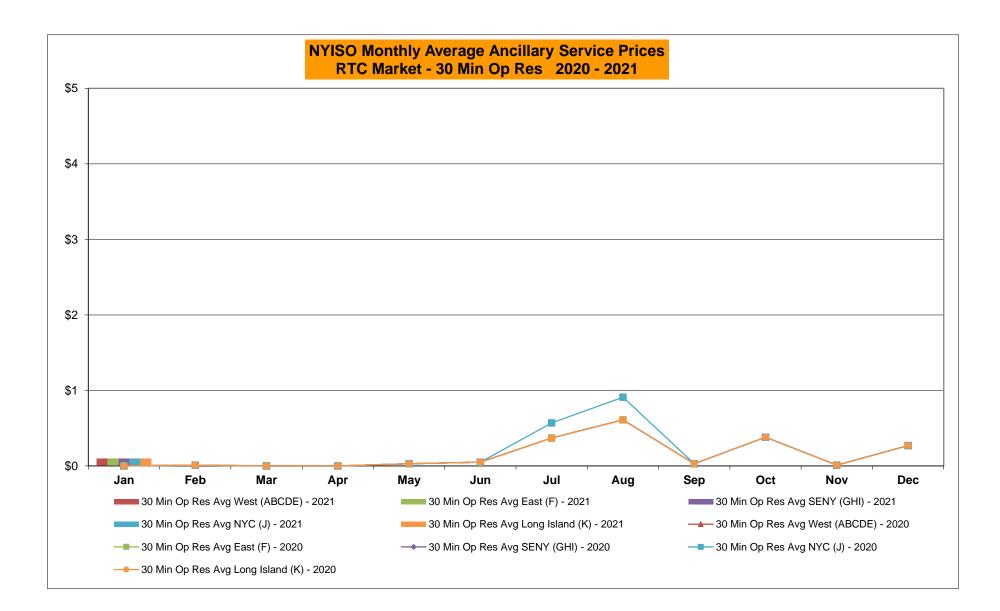


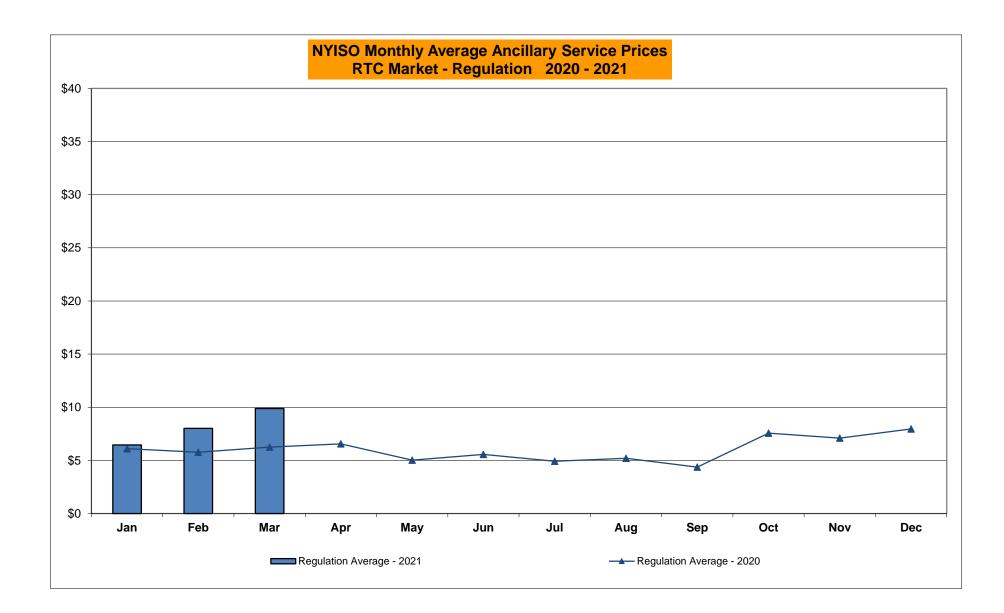


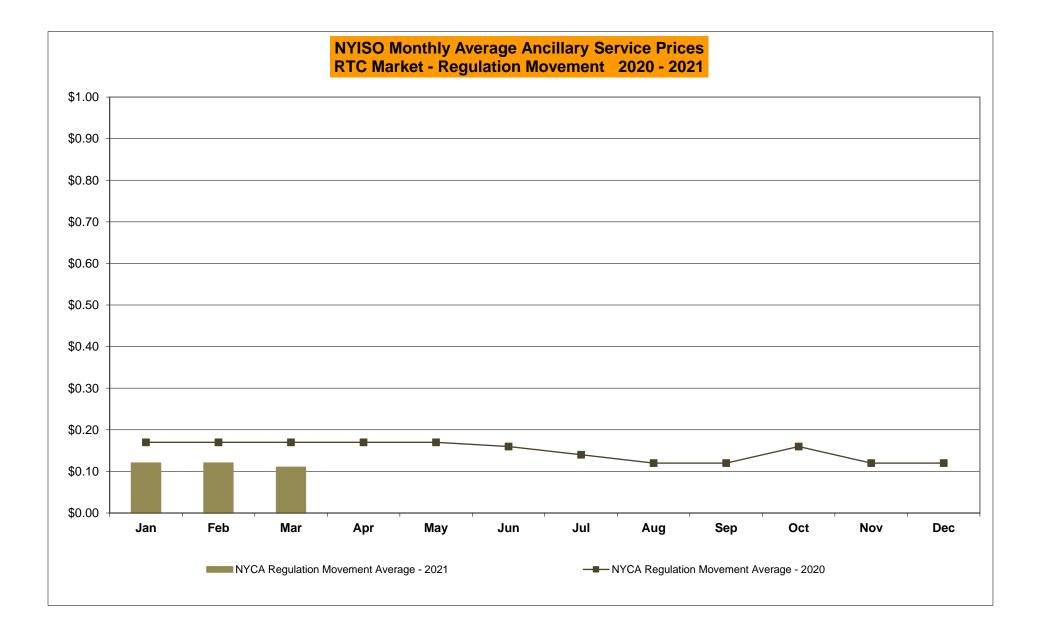


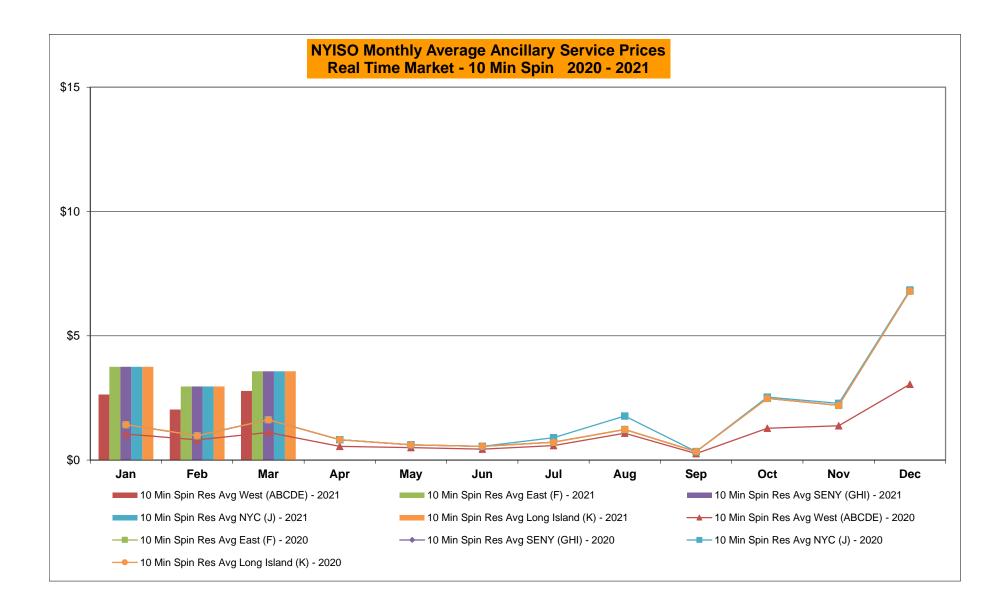


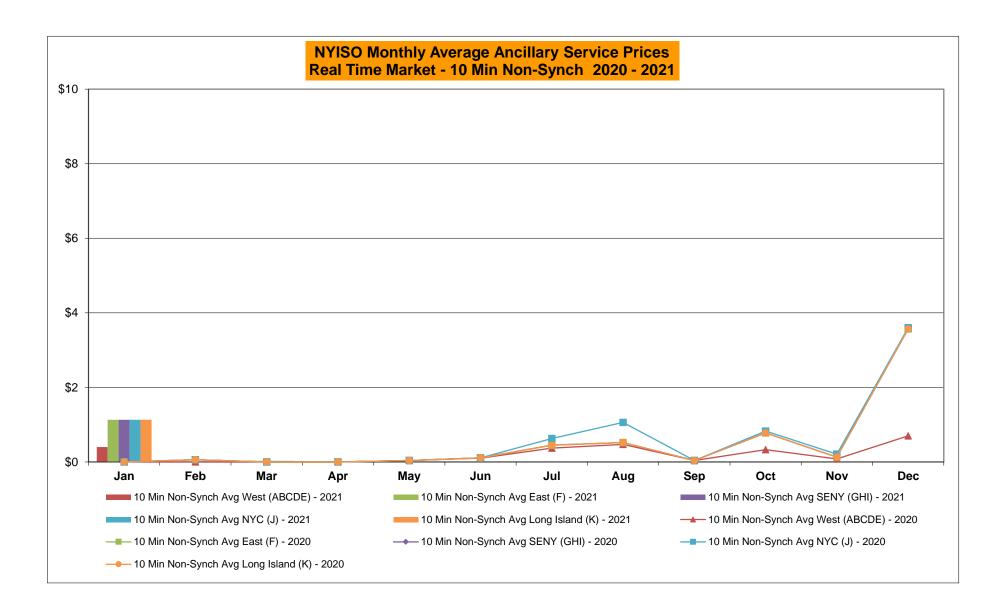


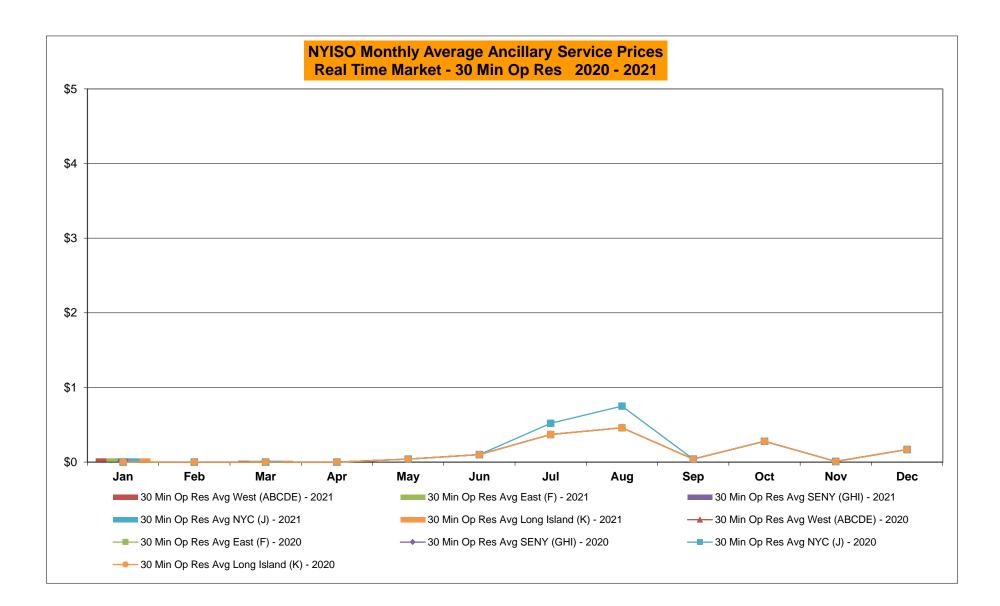


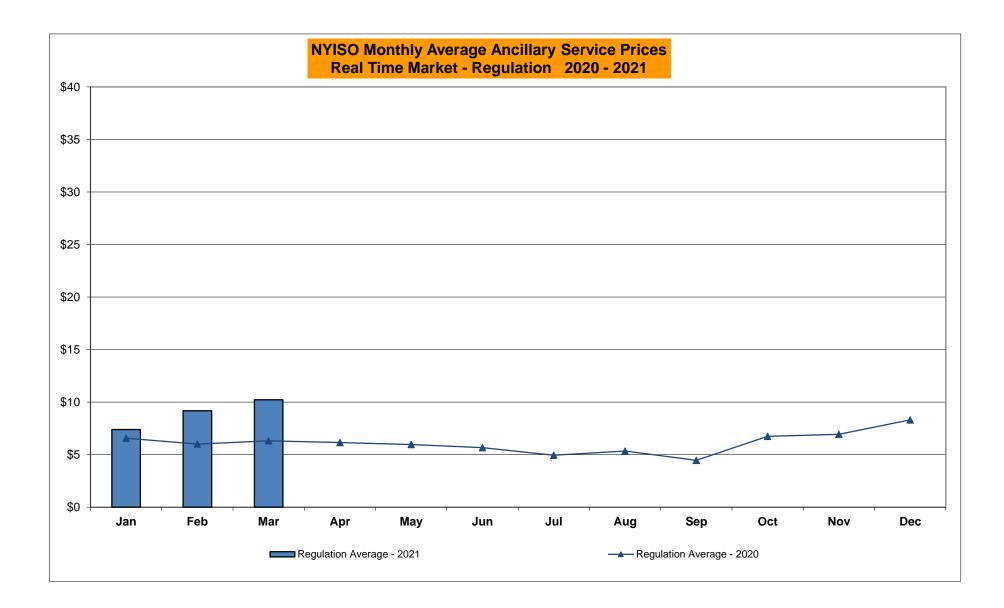


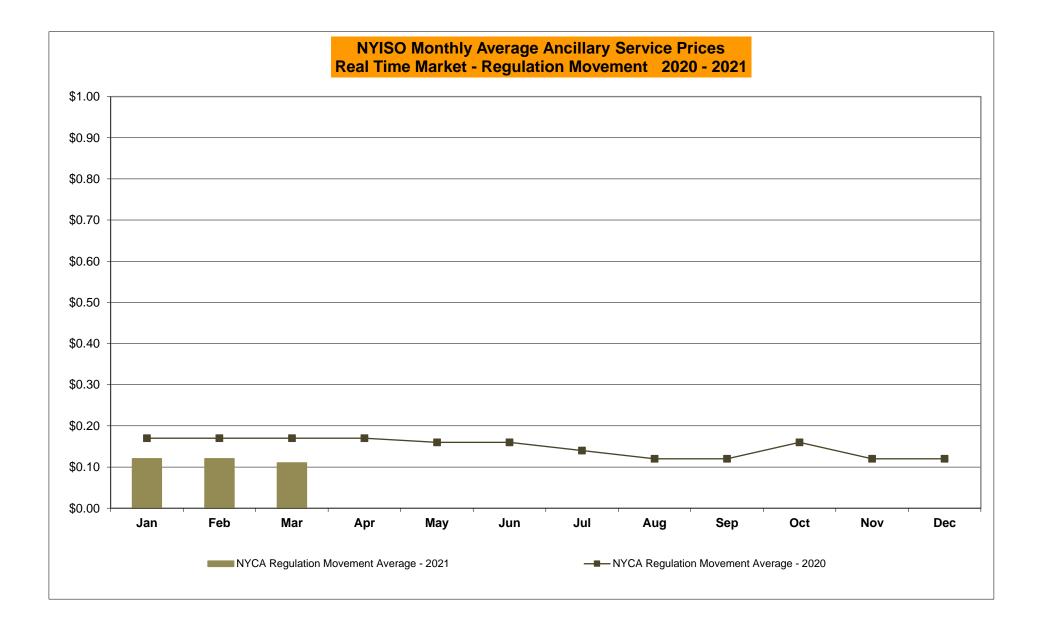












					Cintolgi				
January	February	March	April	May	June	July	August	September	C
4.61	7.85	4.46							
4.68	8.01	4.46							
4.61	7.85	4.46							
4.61	7.85	4.46							
4.01	6.68	4.07							
3.32	5.58	3.60							
3.40	5.74	3.60							
3.32	5.58	3.60							
3.32	5.58	3.60							
3.22	5.25	3.57							
3.22	5.25	3.57							
3.23	5.25	3.57							
3.22	5.25	3.57							
3.22	5.25	3.57							
3.22	5.25	3.57							
6.40	10.93	7.21							
		N.A I	A'I	N.,	1		A	Quarte esta	
January	February	March	<u>Aprii</u>	<u>iviay</u>	June	July	August	September	<u>(</u>
0.00	2.02	2 55	2.07	0.40	2.50	2.50	2.02	2.02	
0.40	0.94	0.00	5.70	0.40	0.44	4.01	4.79	0.17	
	<u>January</u> 4.61 4.68 4.61 4.61 4.01 3.32 3.40 3.32 3.22 3.22 3.22 3.22 3.22 3.22 3.2	January February 4.61 7.85 4.68 8.01 4.61 7.85 4.61 7.85 4.61 7.85 4.61 7.85 4.61 7.85 4.61 7.85 4.01 6.68 3.32 5.58 3.40 5.74 3.32 5.58 3.22 5.25 3.22 5.25 3.22 5.25 3.22 5.25 3.22 5.25 3.22 5.25 3.22 5.25 3.22 5.25 3.22 5.25 3.22 5.25 3.22 5.25 3.22 5.25 3.22 5.25 3.22 5.25 3.22 5.25 3.23 3.60 3.60 3.23 3.60 3.23 3.60 3.23	January February March 4.61 7.85 4.46 4.68 8.01 4.46 4.61 7.85 4.46 4.61 7.85 4.46 4.61 7.85 4.46 4.61 7.85 4.46 4.61 7.85 4.46 4.01 6.68 4.07 3.32 5.58 3.60 3.40 5.74 3.60 3.32 5.58 3.60 3.32 5.58 3.60 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.23 3.55 3.60 </td <td>$\begin{tabular}{ c c c c c c } \hline \hline January & February & March & April \\ \hline 4.61 & 7.85 & 4.46 \\ \hline 4.68 & 8.01 & 4.46 \\ \hline 4.61 & 7.85 & 4.46 \\ \hline 4.61 & 7.85 & 4.46 \\ \hline 4.01 & 6.68 & 4.07 \\ \hline 3.32 & 5.58 & 3.60 \\ \hline 3.40 & 5.74 & 3.60 \\ \hline 3.32 & 5.58 & 3.60 \\ \hline 3.32 & 5.58 & 3.60 \\ \hline 3.32 & 5.58 & 3.60 \\ \hline 3.22 & 5.25 & 3.57 \\ \hline 3.28 & 3.08 & 2.95 & 3.27 \\ \hline 3.28 & 3.08 & 2.95 & 2.95 \\ \hline 3.28 & 3.08 & 2.95 & 2.95 \\ \hline 3.28 & 3.08 & 2.95 & 2.95 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 \\ \hline 3.28 & 3.08 & 2.95 &$</td> <td>$\begin{tabular}{ c c c c c c c } \hline January & February & March & April & May \\ \hline 4.61 & 7.85 & 4.46 \\ \hline 4.68 & 8.01 & 4.46 \\ \hline 4.61 & 7.85 & 4.46 \\ \hline 4.61 & 7.85 & 4.46 \\ \hline 4.01 & 6.68 & 4.07 \\ \hline 3.32 & 5.58 & 3.60 \\ \hline 3.22 & 5.25 & 3.57 \\ \hline 4.0 & 10.93 & 7.21 \\ \hline \hline January & February & March & April & May \\ \hline 3.60 & 3.23 & 3.55 & 3.27 & 3.48 \\ \hline 3.60 & 3.23 & 3.55 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline$</td> <td>$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$</td> <td>$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$</td> <td>$\begin{array}{ c c c c c c c c c c c c c c c c c c c$</td> <td>January February March April May June July August September 4.61 7.85 4.46 4.61 7.85 4.46 4.61 7.85 4.46 4.61 7.85 4.46 4.61 7.85 4.46 4.61 7.85 4.46 4.07 3.32 5.58 3.60 3.32 5.58 3.60 3.322 5.26 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.48 3.69 3.59 3.63 3.63 3.60 3.23 3.55 3.27 3.48 3.59 3.59 3.63 3.63 3.60 3.23 3.55 3.27 3.48 3.59 3.59 3.63 3.63</td>	$\begin{tabular}{ c c c c c c } \hline \hline January & February & March & April \\ \hline 4.61 & 7.85 & 4.46 \\ \hline 4.68 & 8.01 & 4.46 \\ \hline 4.61 & 7.85 & 4.46 \\ \hline 4.61 & 7.85 & 4.46 \\ \hline 4.01 & 6.68 & 4.07 \\ \hline 3.32 & 5.58 & 3.60 \\ \hline 3.40 & 5.74 & 3.60 \\ \hline 3.32 & 5.58 & 3.60 \\ \hline 3.32 & 5.58 & 3.60 \\ \hline 3.32 & 5.58 & 3.60 \\ \hline 3.22 & 5.25 & 3.57 \\ \hline 3.28 & 3.08 & 2.95 & 3.27 \\ \hline 3.28 & 3.08 & 2.95 & 2.95 \\ \hline 3.28 & 3.08 & 2.95 & 2.95 \\ \hline 3.28 & 3.08 & 2.95 & 2.95 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 \\ \hline 3.28 & 3.08 & 2.95 &$	$\begin{tabular}{ c c c c c c c } \hline January & February & March & April & May \\ \hline 4.61 & 7.85 & 4.46 \\ \hline 4.68 & 8.01 & 4.46 \\ \hline 4.61 & 7.85 & 4.46 \\ \hline 4.61 & 7.85 & 4.46 \\ \hline 4.01 & 6.68 & 4.07 \\ \hline 3.32 & 5.58 & 3.60 \\ \hline 3.22 & 5.25 & 3.57 \\ \hline 4.0 & 10.93 & 7.21 \\ \hline \hline January & February & March & April & May \\ \hline 3.60 & 3.23 & 3.55 & 3.27 & 3.48 \\ \hline 3.60 & 3.23 & 3.55 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline 3.28 & 3.08 & 2.95 & 2.94 & 2.93 \\ \hline $	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	January February March April May June July August September 4.61 7.85 4.46 4.61 7.85 4.46 4.61 7.85 4.46 4.61 7.85 4.46 4.61 7.85 4.46 4.61 7.85 4.46 4.07 3.32 5.58 3.60 3.32 5.58 3.60 3.322 5.26 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.22 5.25 3.57 3.48 3.69 3.59 3.63 3.63 3.60 3.23 3.55 3.27 3.48 3.59 3.59 3.63 3.63 3.60 3.23 3.55 3.27 3.48 3.59 3.59 3.63 3.63

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

<u>October</u>

<u>November</u>

<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	<u>ices Sta</u>	tistics - I	Unweigh	ted Pric	e (\$/Mv	<u>VH) - RTC</u>	2
2021	January	February	March	<u>April</u>	May	<u>June</u>	July	<u>August</u>	<u>September</u>	C
RTC Market	<u>_</u>	<i>*</i> _							.	
10 Min Spin Long Island (K)	1.65	1.53	1.29							
10 Min Spin NYC (J)	1.65	1.53	1.29							
10 Min Spin SENY (GHI)	1.65	1.53	1.29							
10 Min Spin East (F)	1.65	1.53	1.29							
10 Min Spin West (ABCDE)	1.16	0.93	0.88							
10 Min Non Synch Long Island (K)	0.49	0.00	0.02							
10 Min Non Synch NYC (J)	0.49	0.00	0.02							
10 Min Non Synch SENY (GHI)	0.49	0.00	0.02							
10 Min Non Synch East (F)	0.49	0.00	0.02							
10 Min Non Synch West (ABCDE)	0.26	0.00	0.01							
30 Min Long Island (K)	0.10	0.00	0.01							
30 Min NYC (J)	0.10	0.00	0.01							
30 Min SENY (GHI)	0.10	0.00	0.01							
30 Min East (F)	0.10	0.00	0.01							
30 Min West (ABCDE)	0.10	0.00	0.01							
Regulation	6.46	8.02	9.88							
NYCA Regulation Movement	0.12	0.12	0.11							
2020	January	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>C</u>
RTC Market										
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

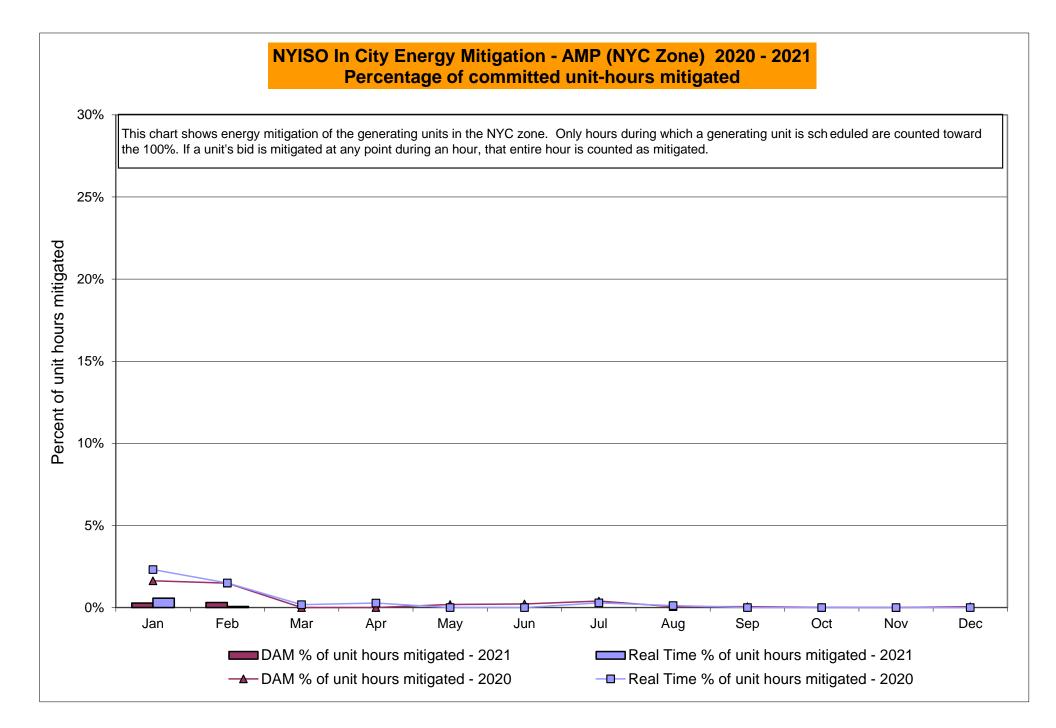
<u>2021</u>	January	<u>February</u>	March	<u>April</u>	May	June	<u>July</u>	<u>August</u>	September	C
Real Time Market	January	rebruary	<u>Indi Cli</u>		<u>iviay</u>	Julie	oury	August	<u>Oeptember</u>	<u>c</u>
10 Min Spin Long Island (K)	3.75	2.96	3.57							
10 Min Spin NYC (J)	3.75	2.96	3.57							
10 Min Spin SENY (GHI)	3.75	2.96	3.57							
10 Min Spin East (F)	3.75	2.96	3.57							
10 Min Spin West (ABCDE)	2.64	2.03	2.78							
10 Min Non Synch Long Island (K)	1.13	0.02	0.03							
10 Min Non Synch NYC (J)	1.13	0.02	0.03							
10 Min Non Synch SENY (GHI)	1.13	0.02	0.03							
10 Min Non Synch East (F)	1.13	0.02	0.03							
10 Min Non Synch West (ABCDE)	0.40	0.00	0.02							
30 Min Long Island (K)	0.05	0.00	0.02							
30 Min NYC (J)	0.05	0.00	0.02							
30 Min SENY (GHI)	0.05	0.00	0.02							
30 Min East (F)	0.05	0.00	0.02							
30 Min West (ABCDE)	0.05	0.00	0.02							
Regulation	7.39	9.17	10.23							
NYCA Regulation Movement	0.12	0.12	0.11							
<u>020</u>	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>C</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)		0.06	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	
· · ·	0.00	0.00	0.00	0.00	0.04	0.10	0.37	0.46	0.04	
30 Min East (F)	0.00									
30 Min East (F) 30 Min West (ABCDE)	0.00	0.00	0.00	0.00	0.04	0.10	0.37	0.46	0.04	
30 Min East (F)			0.00 6.32 0.17	0.00 6.16 0.17	0.04 5.96 0.16	0.10 5.67 0.16	0.37 4.94 0.14	0.46 5.34 0.12	0.04 4.46 0.12	

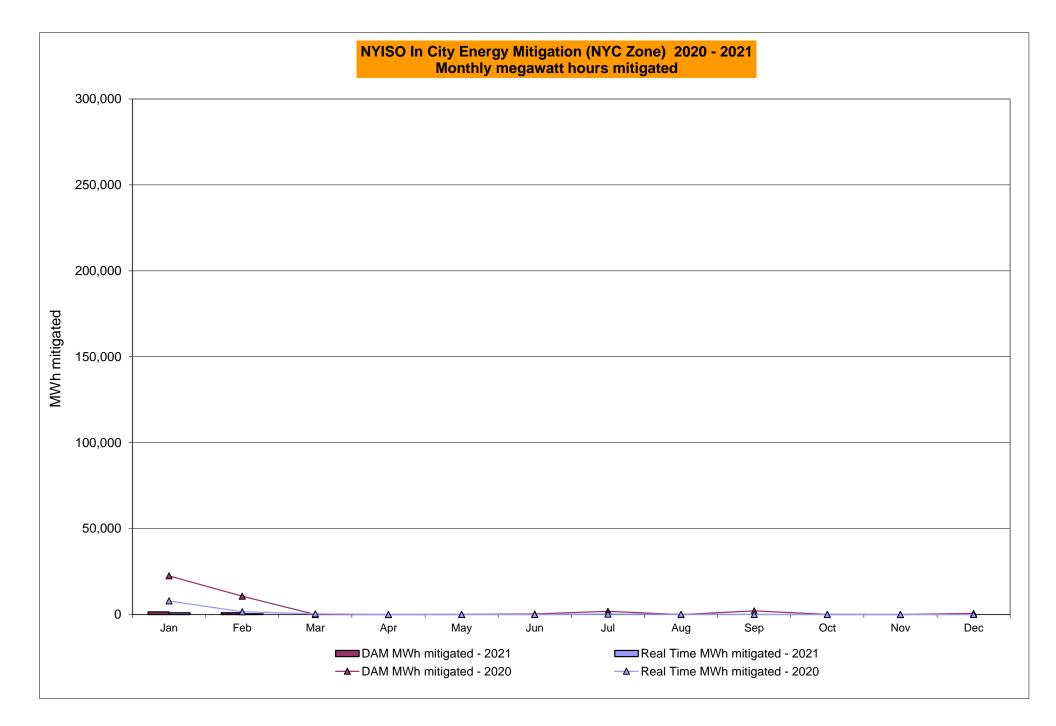
Market Mitigation and Analysis Prepared: 4/8/2021 10:17 AM <u>October</u>

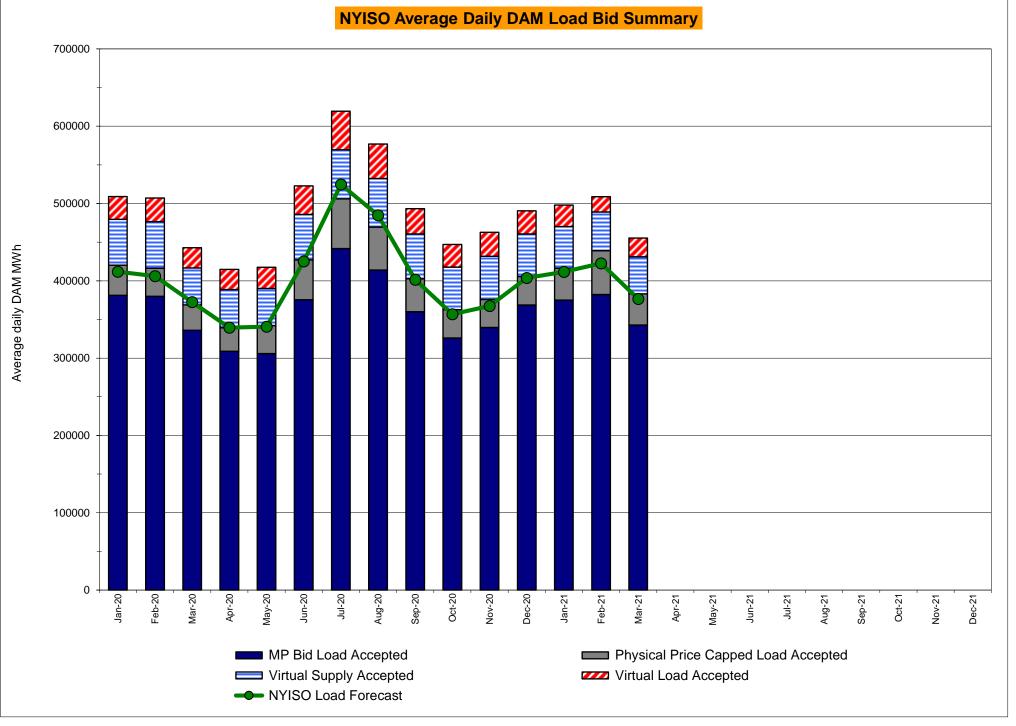
<u>November</u>

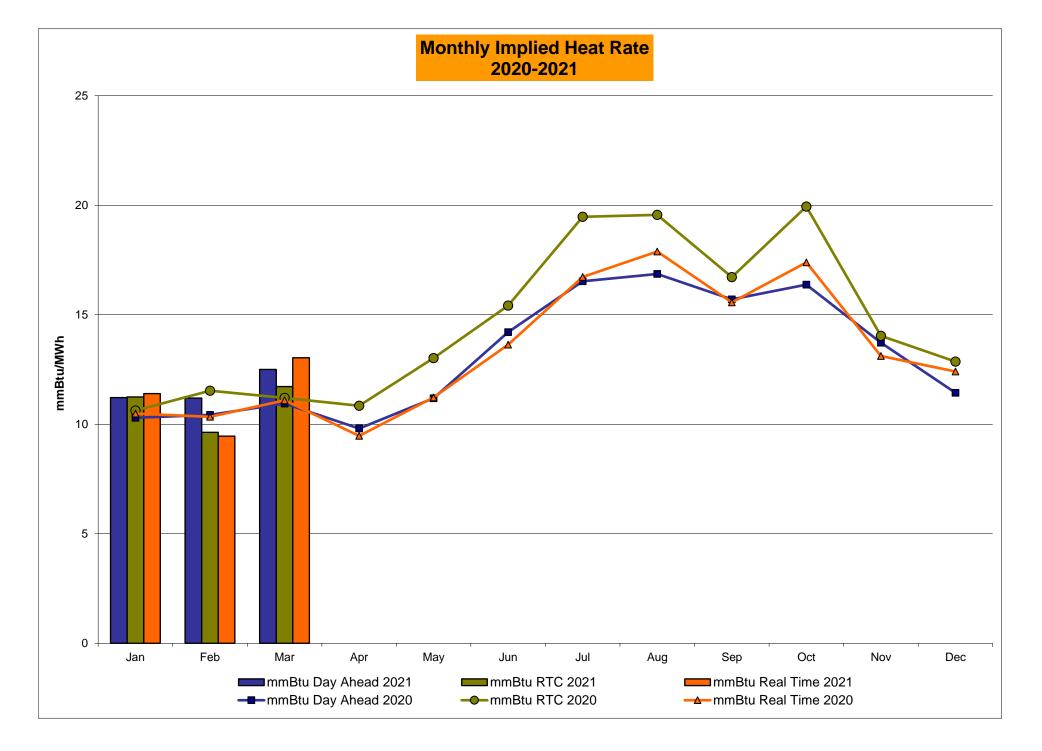
December

<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

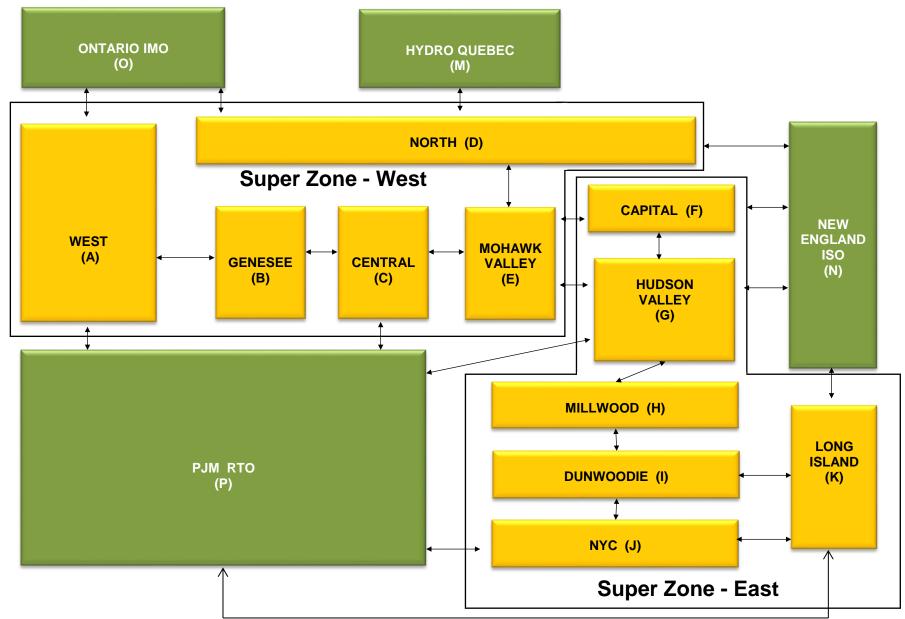








NYISO LBMP ZONES

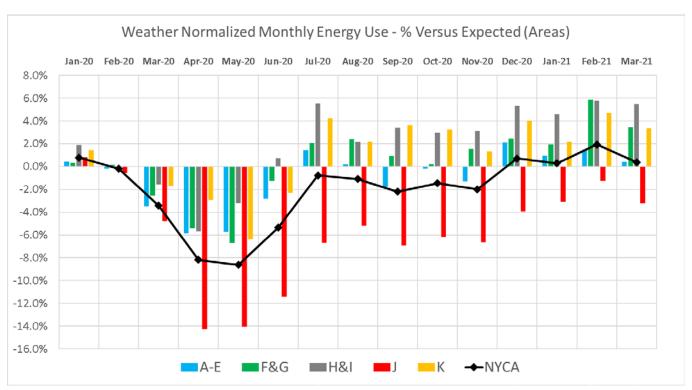


Market Mitigation and Analysis Prepared: 4/8/2021 10:19 AM

Billing Codes for Chart C

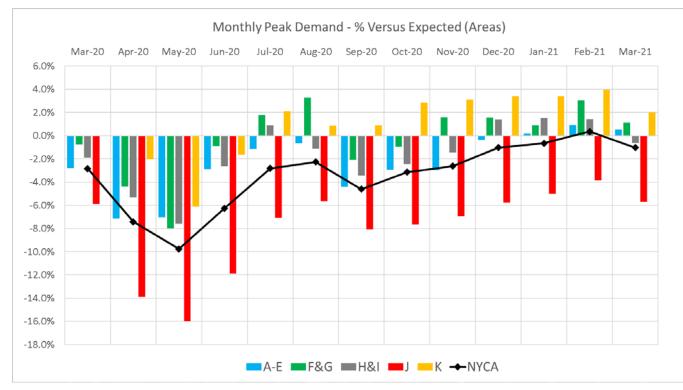
Chart - C Category Name	Billing Code	Billing Category Name
Bid Production Cost Guarantee Balancing	81203	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81204	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee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

COVID-19: Estimated Load Impacts Regional Energy Impacts*



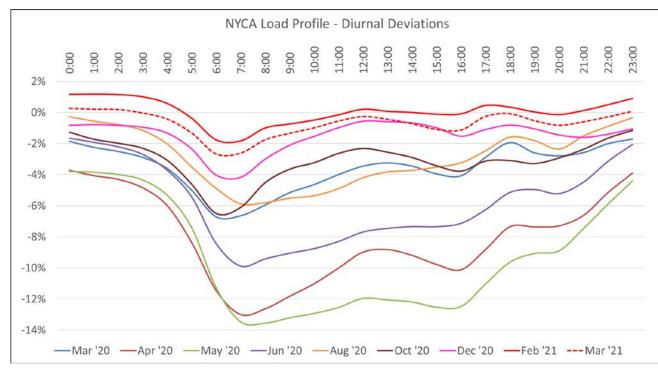
* Provisional results for March 2021- Final Estimates will be updated on 4/16

Regional Peak Impacts



COVID-19: Estimated Load Impacts

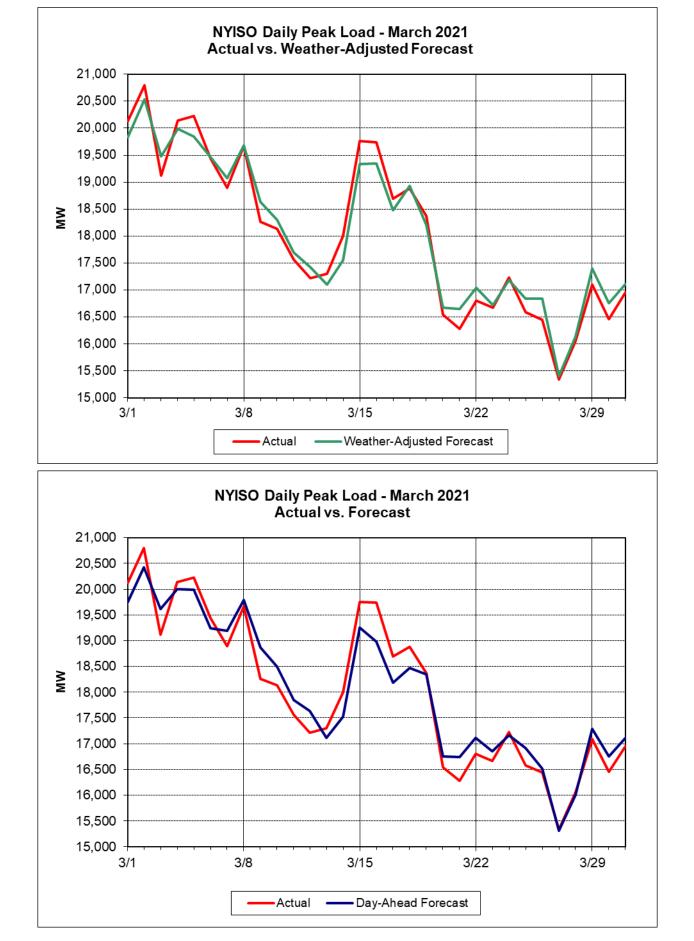
NYCA Hourly Impacts versus Expected*

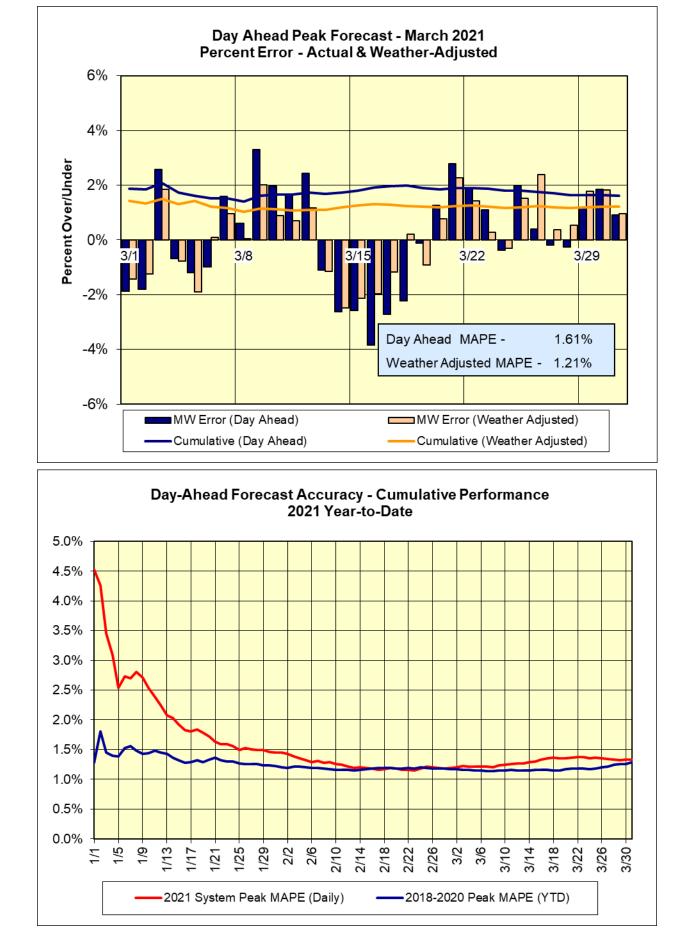


Percent Deviations

Hour	Mar '20	Apr '20	May '20	Jun '20	Jul '20	Aug '20	Sep '20	Oct '20	Nov '20	Dec '20	Jan '21	Feb '21	Mar '21
0:00	-2%	-4%	-4%	-2%	-1%	0%	-1%	-1%	-2%	-1%	0%	1%	0%
1:00	-2%	-4%	-4%	-2%	-1%	-1%	-1%	-2%	-2%	-1%	0%	1%	0%
2:00	-3%	-4%	-4%	-2%	-1%	-1%	-2%	-2%	-2%	-1%	-1%	1%	0%
3:00	-3%	-5%	-4%	-3%	-1%	-1%	-2%	-2%	-2%	-1%	-1%	1%	0%
4:00	-4%	-6%	-5%	-4%	-2%	-2%	-3%	-3%	-3%	-1%	-1%	1%	0%
5:00	-5%	-8%	-7%	-5%	-4%	-4%	-5%	-5%	-4%	-2%	-2%	0%	-1%
6:00	-7%	-11%	-11%	-8%	-5%	-5%	-7%	-6%	-5%	-4%	-3%	-2%	-3%
7:00	-7%	-13%	-13%	-10%	-6%	-6%	-7%	-6%	-5%	-4%	-3%	-2%	-3%
8:00	-6%	-13%	-14%	-9%	-6%	-6%	-6%	-5%	-4%	-3%	-2%	-1%	-2%
9:00	-5%	-12%	-13%	-9%	-6%	-6%	-6%	-4%	-3%	-2%	-2%	-1%	-1%
10:00	-5%	-11%	-13%	-9%	-6%	-5%	-5%	-3%	-2%	-2%	-1%	0%	-1%
11:00	-4%	-10%	-13%	-8%	-5%	-5%	-5%	-3%	-2%	-1%	-1%	0%	-1%
12:00	-3%	-9%	-12%	-8%	-4%	-4%	-4%	-2%	-2%	-1%	0%	0%	0%
13:00	-3%	-9%	-12%	-7%	-4%	-4%	-4%	-3%	-2%	-1%	0%	0%	0%
14:00	-3%	-9%	-12%	-7%	-4%	-4%	-4%	-3%	-2%	-1%	0%	0%	-1%
15:00	-4%	-10%	-13%	-7%	-4%	-4%	-5%	-3%	-2%	-1%	0%	0%	-1%
16:00	-4%	-10%	-12%	-7%	-4%	-3%	-5%	-4%	-3%	-2%	-1%	0%	-1%
17:00	-3%	-9%	-11%	-6%	-3%	-2%	-4%	-3%	-3%	-1%	-1%	0%	0%
18:00	-2%	-7%	-10%	-5%	-2%	-2%	-4%	-3%	-2%	-1%	-1%	0%	0%
19:00	-3%	-7%	-9%	-5%	-2%	-2%	-5%	-3%	-2%	-1%	-1%	0%	-1%
20:00	-3%	-7%	-9%	-5%	-2%	-2%	-4%	-3%	-3%	-1%	-1%	0%	-1%
21:00	-3%	-7%	-7%	-4%	-2%	-2%	-3%	-2%	-3%	-2%	-1%	0%	-1%
22:00	-2%	-5%	-6%	-3%	-1%	-1%	-1%	-2%	-2%	-1%	-1%	0%	0%
23:00	-2%	-4%	-4%	-2%	-1%	0%	-1%	-1%	-2%	-1%	0%	1%	0%

Peak Hour





Summary Description of Regulatory Filings, Investigations, Rulemakings and Related Orders in NYISO Matters – March 2021

Filing	Filing Summary	Docket	Order	Order Summary
Date			Date	
	NYISO Section 205 filing of proposed tariff revisions to remove a Notarization Requirement from Officer's Certificates	ER21-863-000	03/05/2021	Letter order accepted tariff revisions effective 03/13/2021, as requested
01/15/2021	NYISO Section 205 filing of proposed tariff revisions regarding Landfill Gas Resources for the Tailored Availability Metric (TAM)		03/08/2021	Letter order accepted tariff revisions effective 03/17/2021, as requested
01/29/2021	NYISO 205 filing of proposed tariff revisions to implement enhancements to Energy Storage Resource market rules for Co-located Storage Resources (CSR)	ER21-1001-000	03/30/2021	Letter order accepted CSR tariff revisions subject to further compliance filings to provide two weeks effective date notice and informational implementation progress report
02/02/2021	NYISO Section 205 filing of proposed tariff revisions to revise the process for procuring Operating Reserves and to establish a process for procuring Supplemental Reserves	ER21-1018-000	03/29/2021	FERC issued a deficiency notice requesting additional information
01/15/2021	NYISO Section 205 filing proposing Services Tariff amendments to extend the market rules that apply to wind resources to include solar resources	ER21-892-000	03/10/2021	Letter order accepted NYISO's proposal subject to a compliance filing to provide at least two weeks advance notice of the proposed effective date
03/08/2021	NYISO filing of an answer to the Clean Energy Interveners complaint regarding NYISO CSR tariff revisions	ER21-1001-000	03/30/2021	Letter order accepted NYISO's proposal as just and reasonable
03/05/2021	NYISO-National Grid Joint Section filing of a Transmission Project Interconnection Agreement among the NYISO, National Grid, and New York Transco	ER21-1283-000		
03/05/2021	NYISO Section 205 filing of revisions to the Coordination Agreement between ISO-NE and NYISO to remove detailed descriptions of each interconnection from Schedule A	ER21-1286-000		
03/09/2021	NYISO compliance filing of a notice of an early effective date for real-time telemetry provisions proposed in its Distributed Energy Resources proceeding to accommodate implementation of Co-located Storage Resources	ER19-2276-004		
03/10/2021	NYISO filing of an answer to a protest filed by the New York State Department of State Utility Intervention Unit regarding the NYISO's 2/2/21 Reserve Enhancements tariff revisions filing	ER21-1018-000		

03/10/2021	NYISO-NYSEG Joint Section 205 filing of a Large Generator Interconnection Agreement among NYISO, NYSEG and Baron Winds	ER21-1312-000	
03/12/2021	NYISO-NYPA Joint Section 205 filing of a Transmission Project Interconnection Agreement among the NYISO, NYPA and NextEra Energy Transmission New York	ER21-1366-000	
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	
03/15/2021	NYISO-NYSEG Joint Section 205 filing of a Transmission Project Interconnection Agreement among the NYISO, NYSEG and New York Transco	ER21-1413-000	
03/15/2021	NYISO filing of an answer to the Hecate Energy Greene County 3 complaint against the NYISO and Central Hudson regarding the processing of a small generator interconnection request	EL21-49-000	
03/22/2021	NYISO filing of a comments in response to FERC NOPR related to Managing Transmission Line Ratings	RM20-16-000	
03/22/2021	NYISO Section 205 filing of an Engineering, Procurement, and Construction Agreement among NYISO, National Grid, Roaring Brook and Flat Rock	ER21-1495-000	
03/30/2021	NYISO filing of a request for clarification of interim ICAP Demand Curves that would apply for the upcoming ICAP Spot Market Auctions if the NYISO's DCR proposal is not accepted by the Commission on or before April 13, 2021	ER21-502-001	
03/31/2021	NYISO filing of a notice of the immediate termination of Entrust Energy East, Inc. from the ISO-Administered Markets	No docket no.	
03/31/2021	NYISO filing of FERC Form 715 - Annual Transmission Planning and Evaluation Report	No docket no.	