

NYISO CEO/COO Report

Rich Dewey President & Chief Executive Officer

Rick Gonzales Senior Vice President & Chief Operating Officer

Management Committee Meeting:

May 26, 2021 Rensselaer, NY

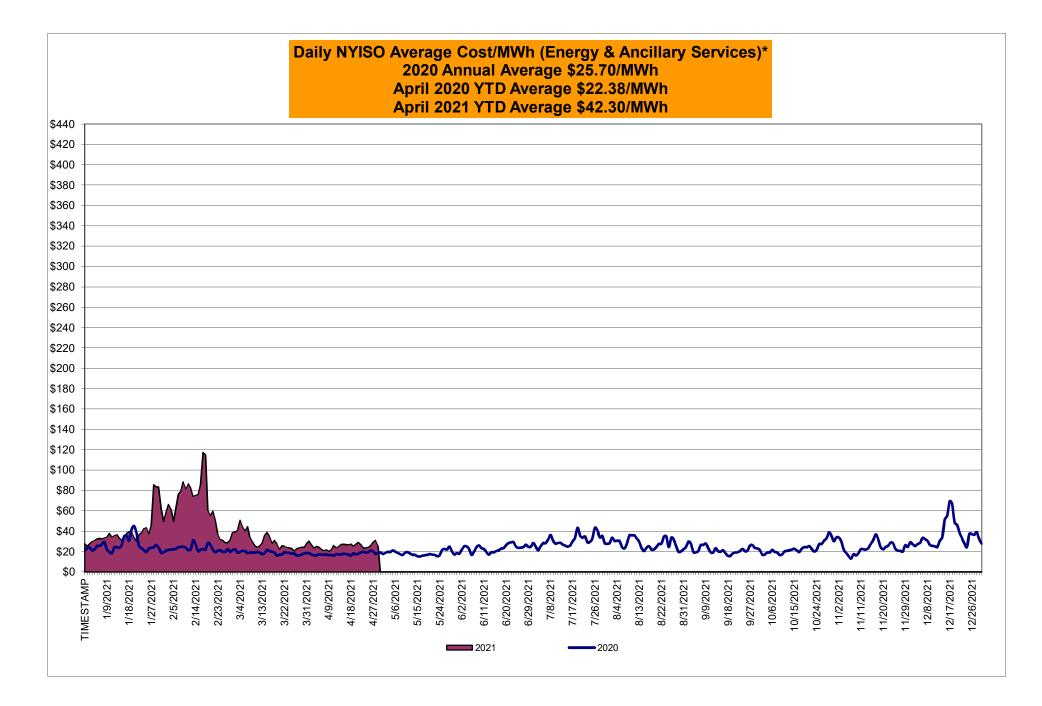
NYISO CEO/COO Report

- CEO Report
- COO Report
 - Market Performance Highlights For Information Only
 - Operations Performance Metrics Monthly Report



Market Performance Highlights April 2021

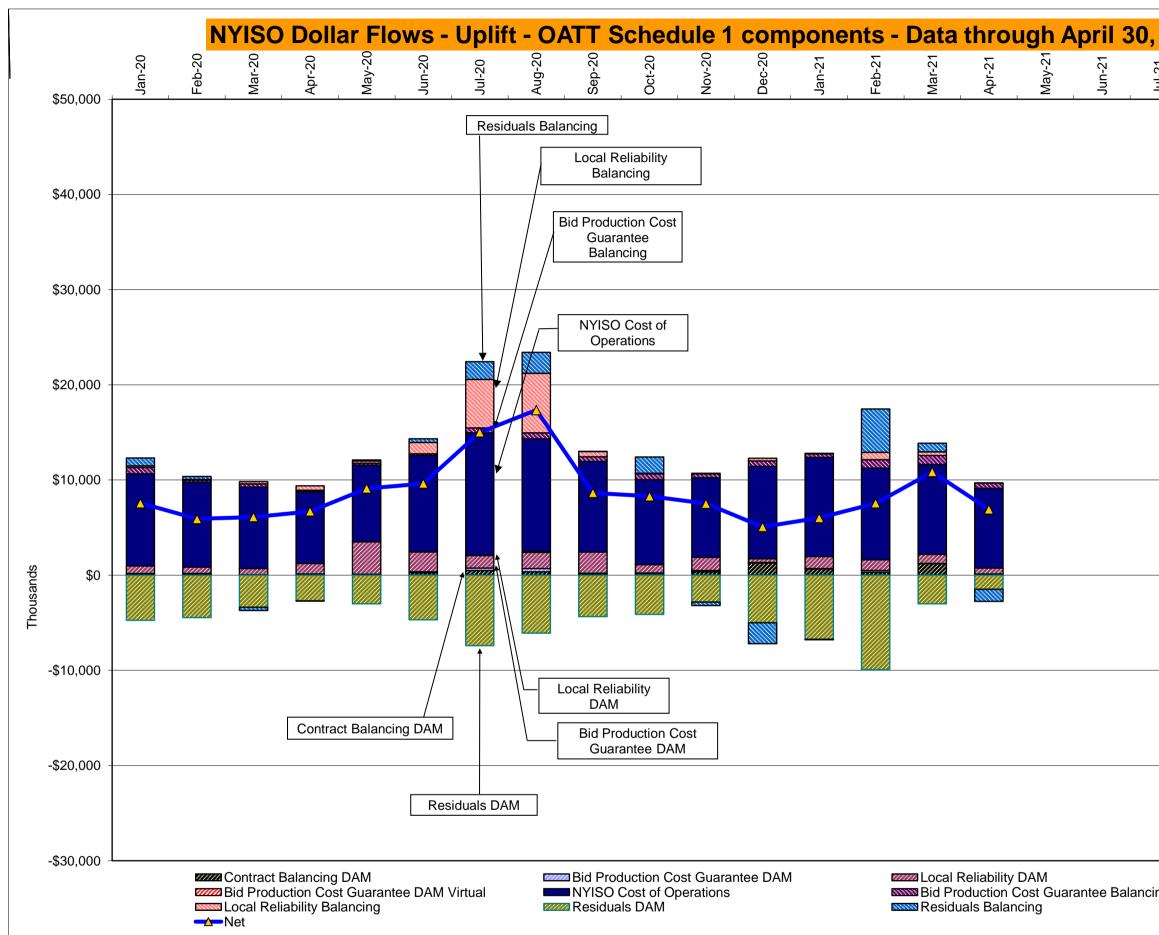
- LBMP for April is \$22.79/MWh; lower than \$28.59/MWh in March 2021 and higher than \$15.77/MWh in April 2020.
 - Day Ahead Load Weighted LBMPs and Real Time Load Weighted LBMPs are lower compared to March.
- April 2021 average year-to-date monthly cost of 42.30/MWh is an 89% increase from \$22.38/MWh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



* Excludes ICAP payments.

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

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



DAM Contract Balancing amounts are for payments made to generating units to make them whole for being dispatched below their Day-Ahead schedule, as a result of out-of-merit dispatches. DAM Bid Production Cost Guarantees for Virtual Transactions are included in the chart and are shown from the inception of Virtual Transactions. These values are small and cannot be identified on the chart. DAM residuals consist of both energy and loss revenue collections and payments. By design, there is a net over collection of revenues due to the difference between the marginal losses paid to generation and the average losses charged to loads.

202	21 Yng-21	Sep-21	Oct-21	Nov-21	Dec-21	
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NYISO Markets Transactions

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

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

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

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

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

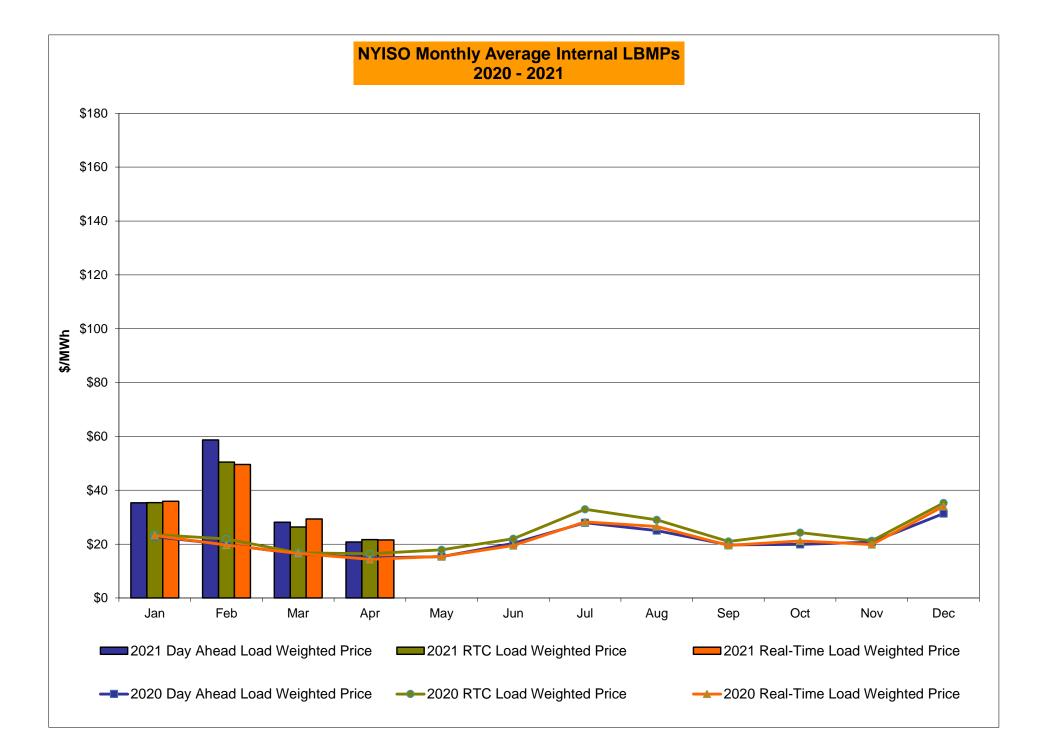
NYISO Markets 2021 Energy Statistics

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

NYISO Markets 2020 Energy Statistics

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

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

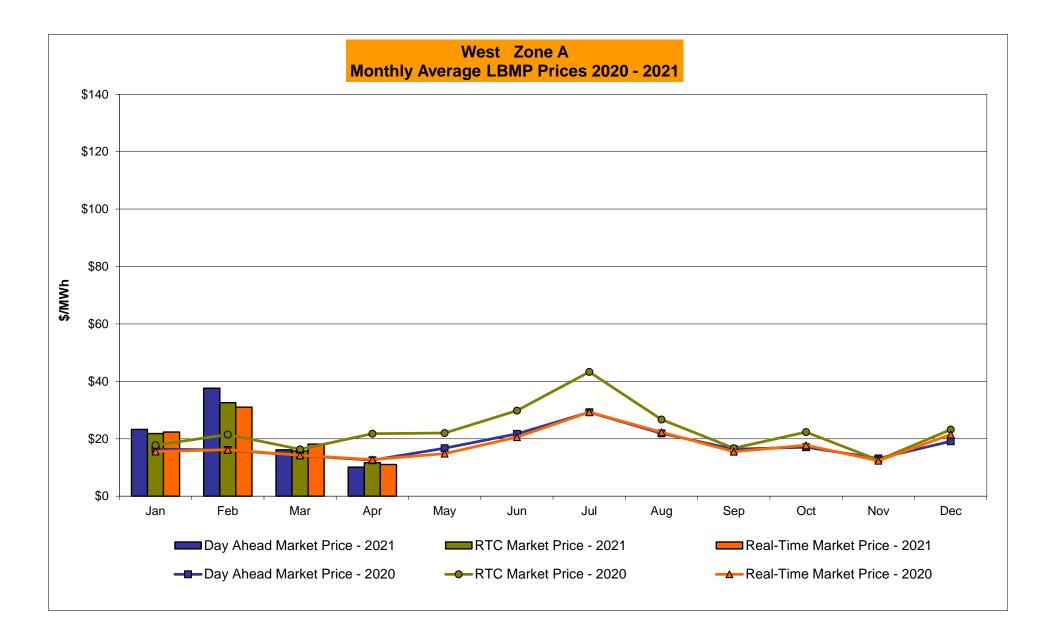


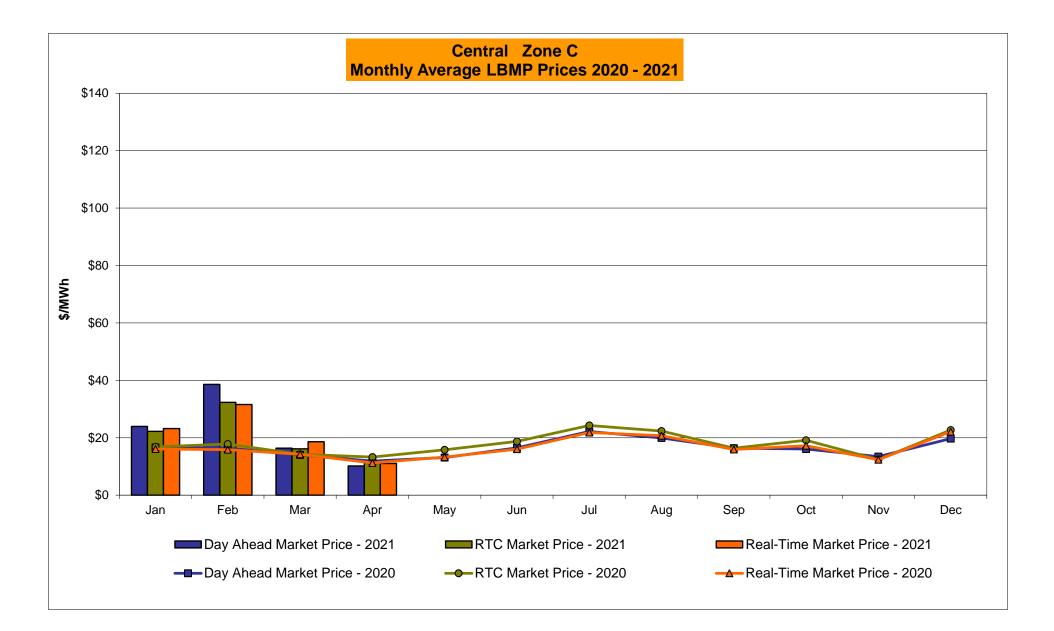
April 2021 Zonal LBMP Statistics for NYISO (\$/MWh)

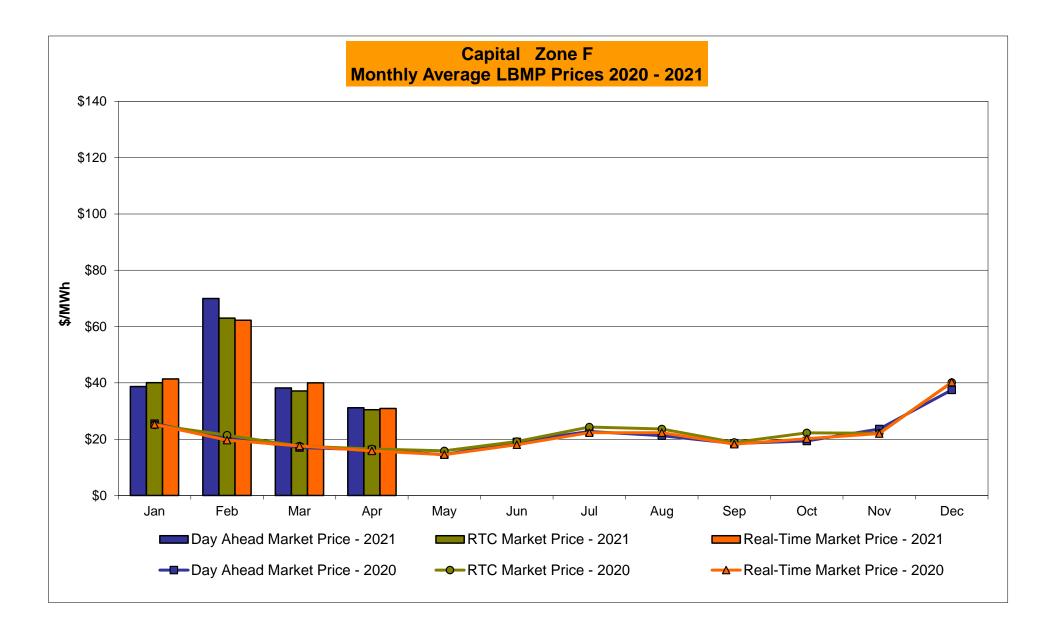
					MOHAWK		HUDSON			NEW YORK	LONG
	WEST	GENESEE	NORTH	CENTRAL	VALLEY	CAPITAL	VALLEY	MILLWOOD	DUNWOODIE	CITY	ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	<u>Zone H</u>	<u>Zone I</u>	<u>Zone J</u>	<u>Zone K</u>
DAY AHEAD LBMP											
Unweighted Price *	10.13	9.39	6.51	10.15	9.98	31.14	24.10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

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

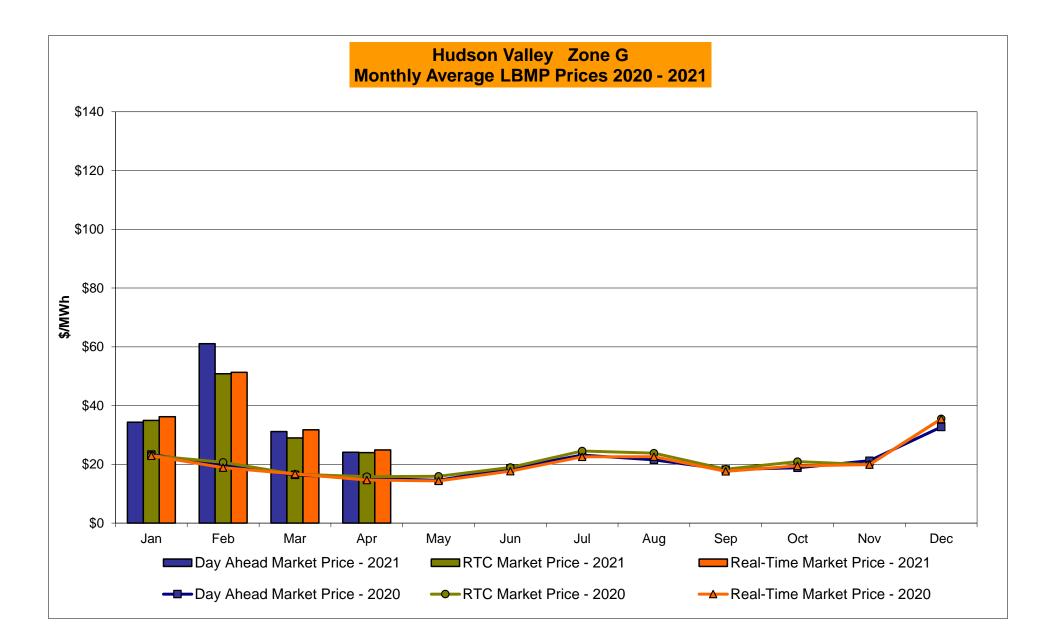
* Straight LBMP averages

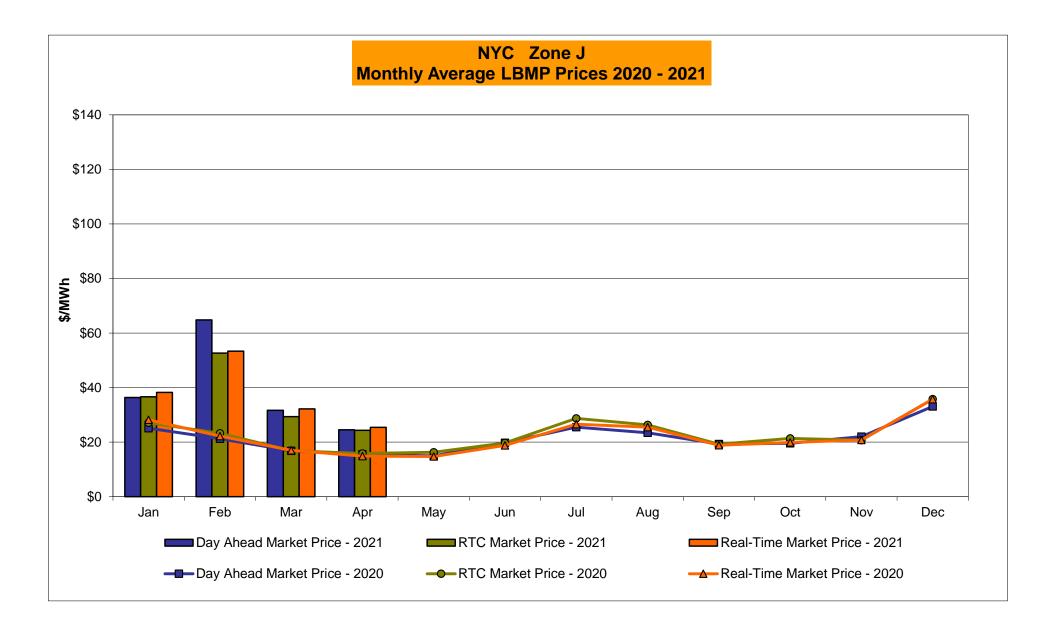


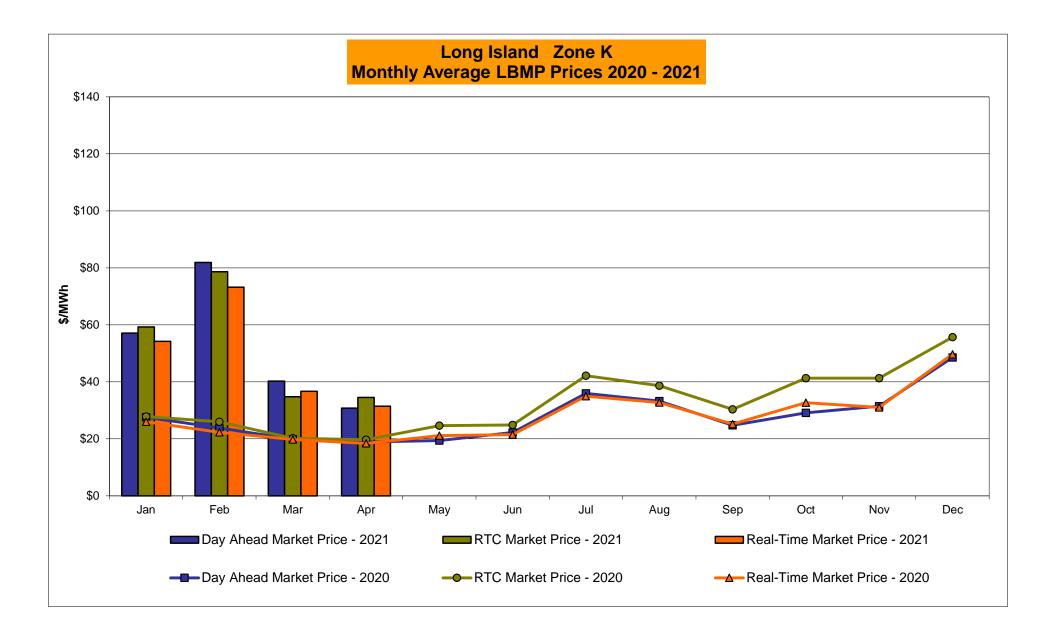


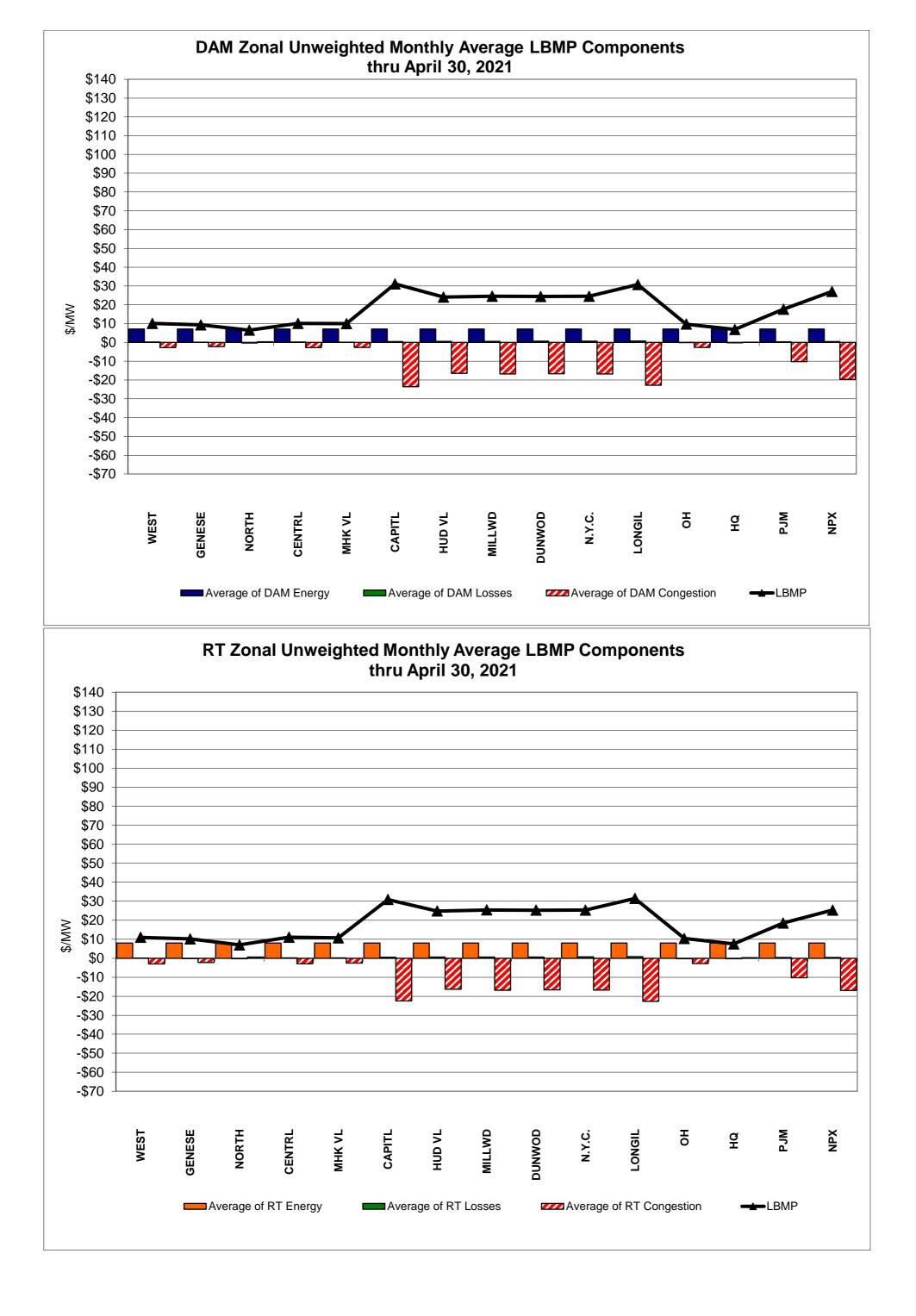


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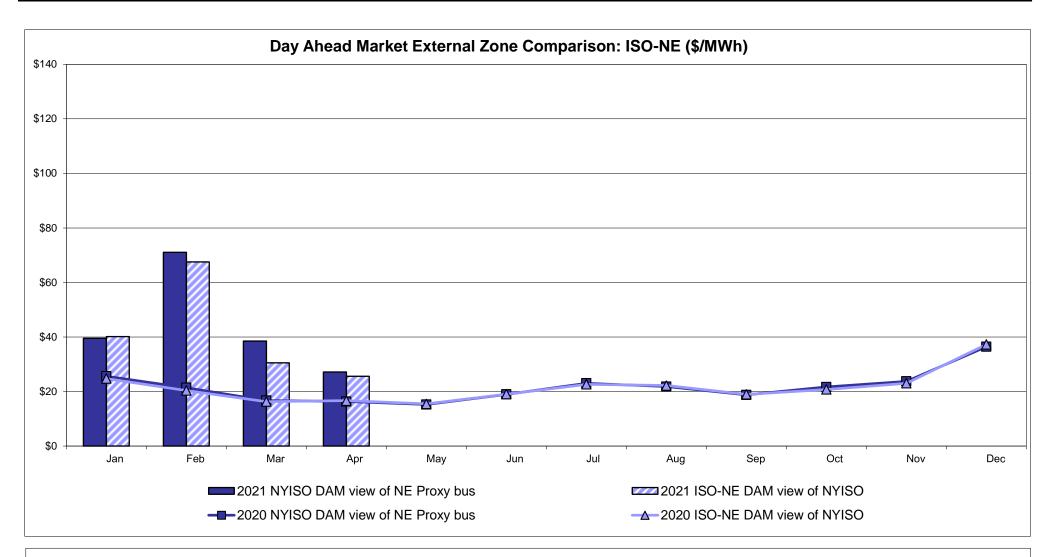


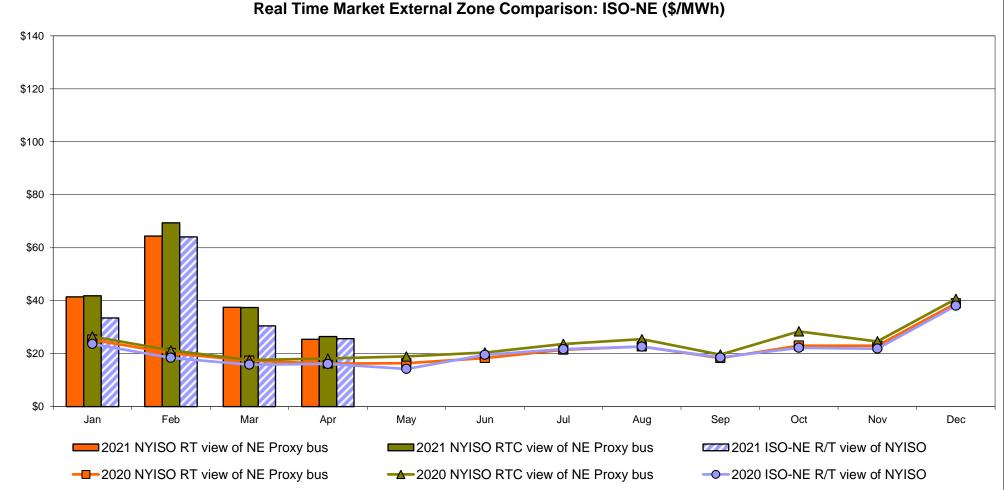


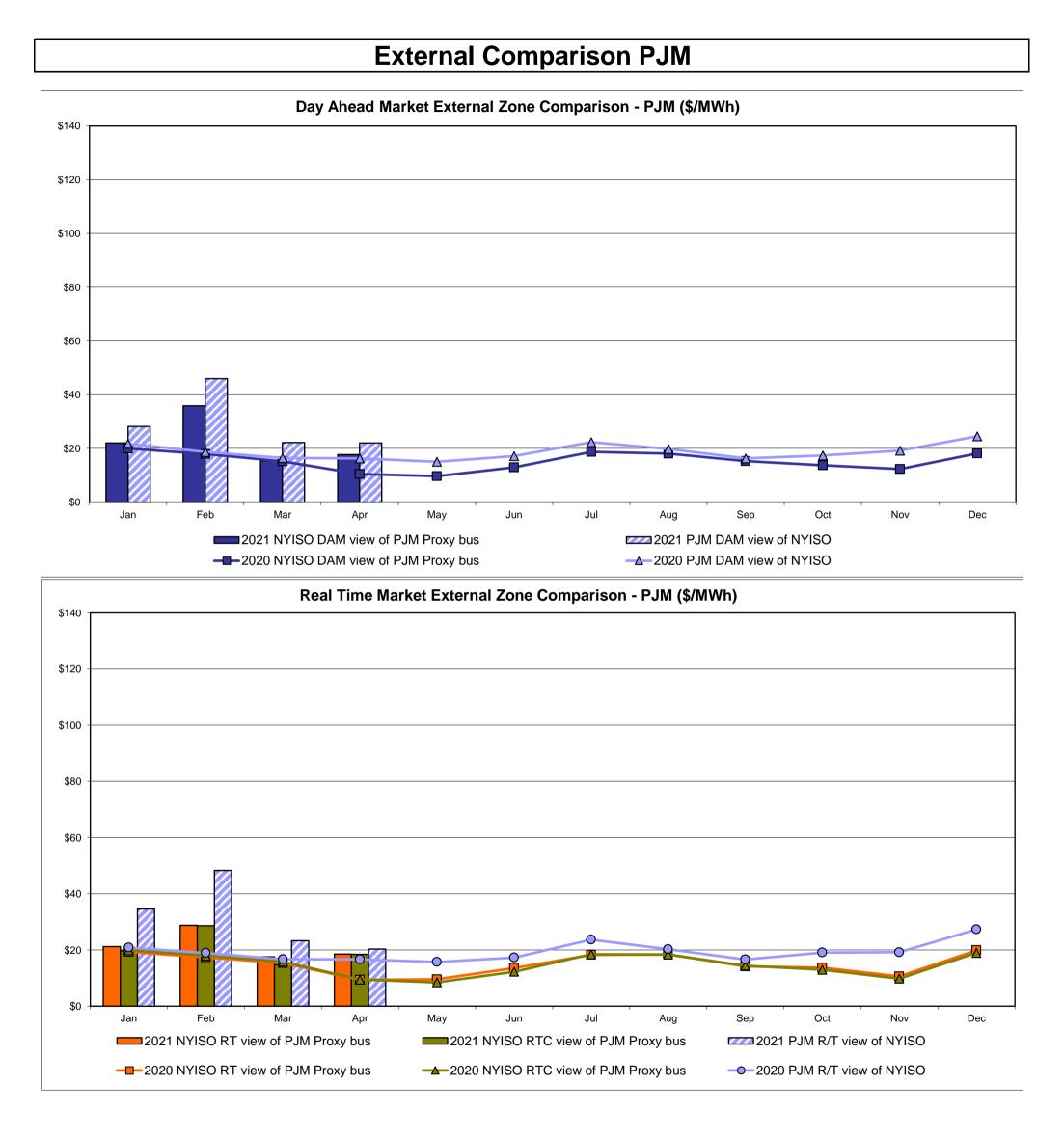




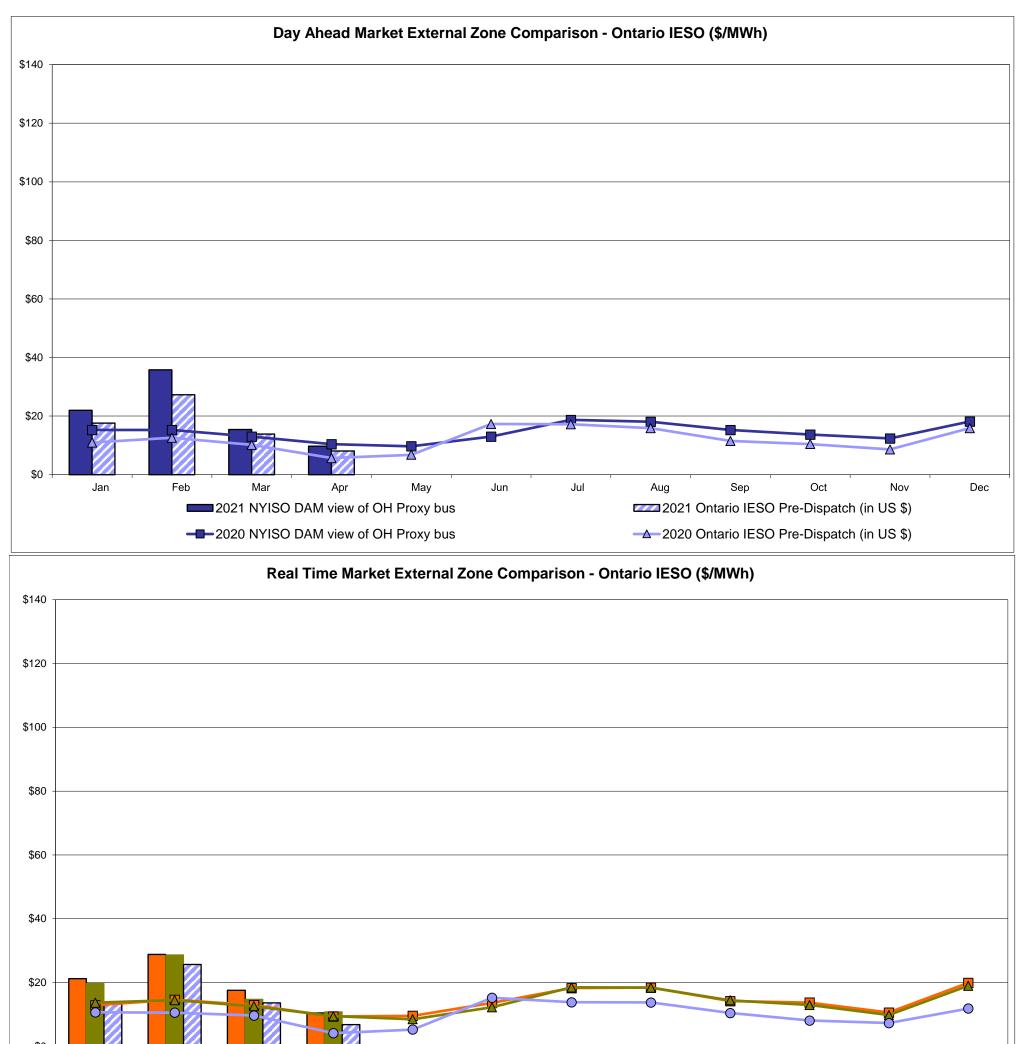
External Comparison ISO-New England







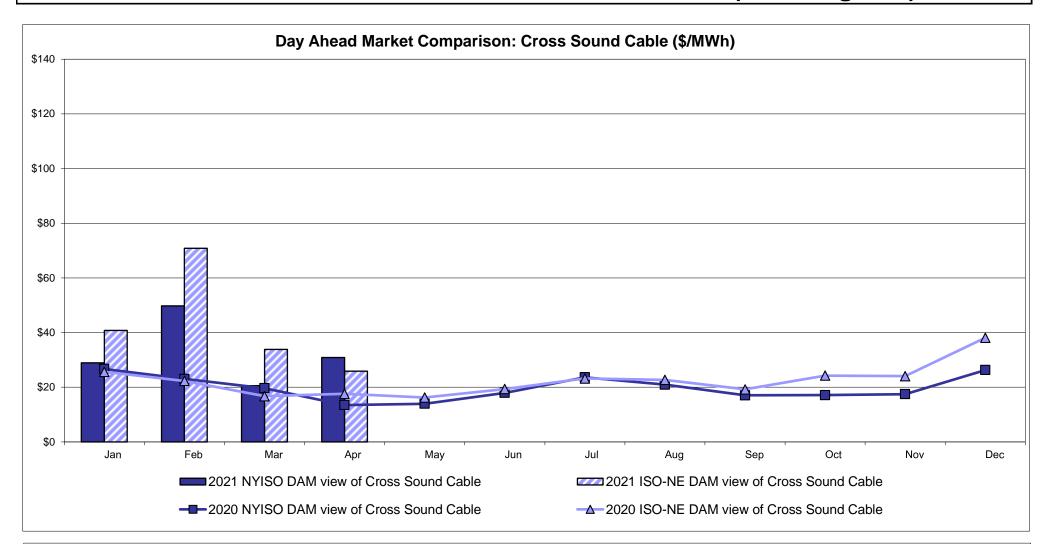
External Comparison Ontario IESO



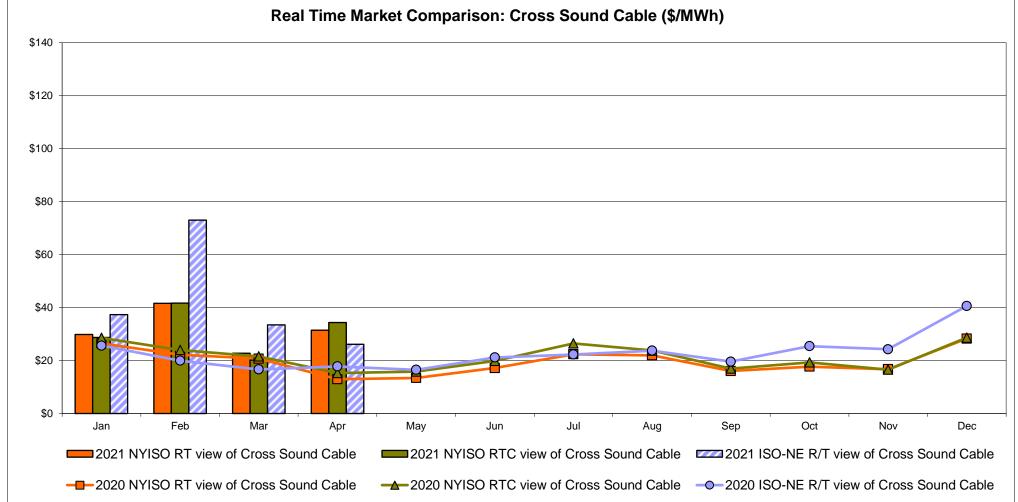
\$0 +	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2 02	1 NYISO RT v	iew of OH Pro	oxy bus	2021	NYISO RTC	view of OH F	Proxy bus	2021	Ontario IESC) HOEP (in US	\$ \$)
	 202	0 NYISO RT v	iew of OH Pro	oxy bus	 2020	NYISO RTC	view of OH F	Proxy bus	-0-2020	Ontario IESC	HOEP (in US	S \$)

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

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External Controllable Line: Cross Sound Cable (New England)

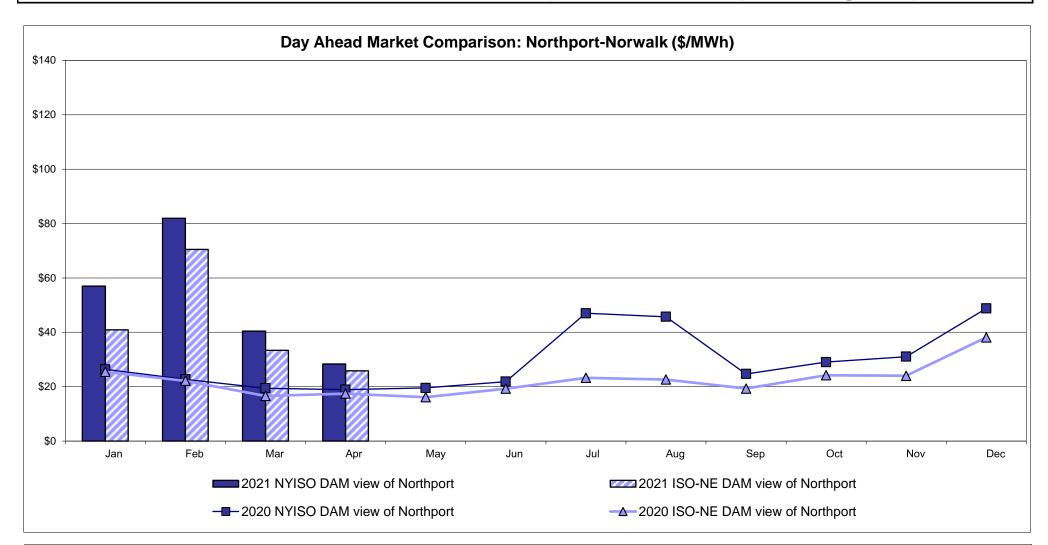


Note:

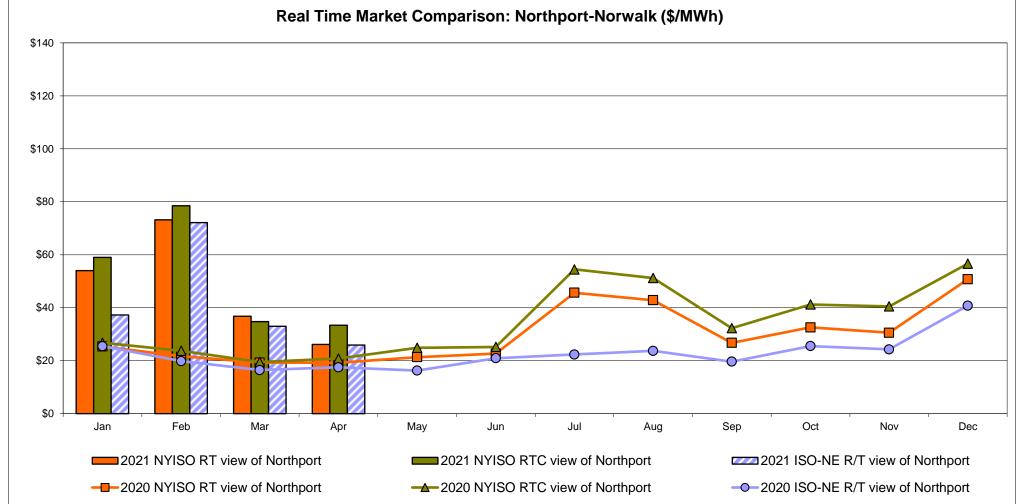
ISO-NE Forecast is an advisory posting @ 18:00 day before.

The DAM and R/T prices at the Shorham 13899 interface are used for ISO-NE.

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



External Controllable Line: Northport - Norwalk (New England)



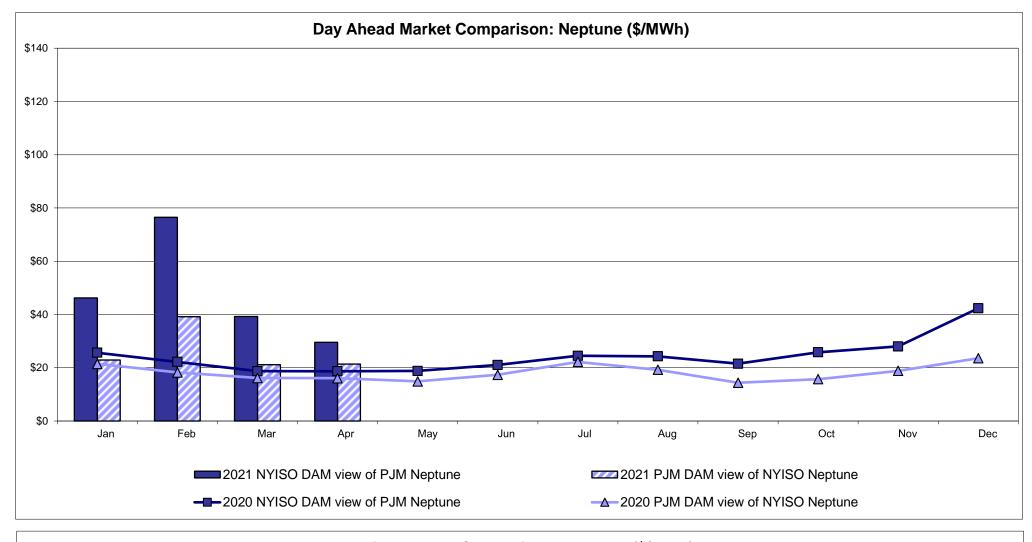
Note:

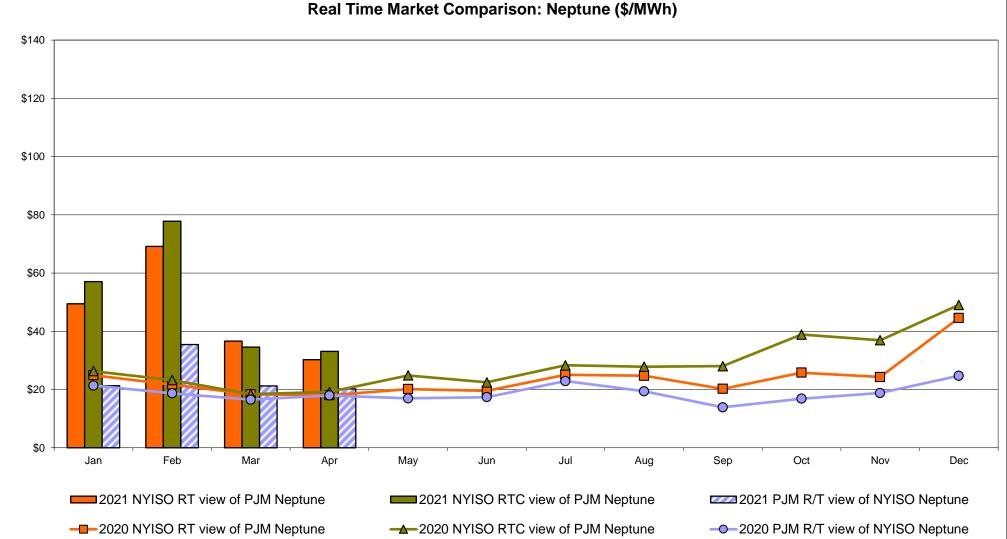
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

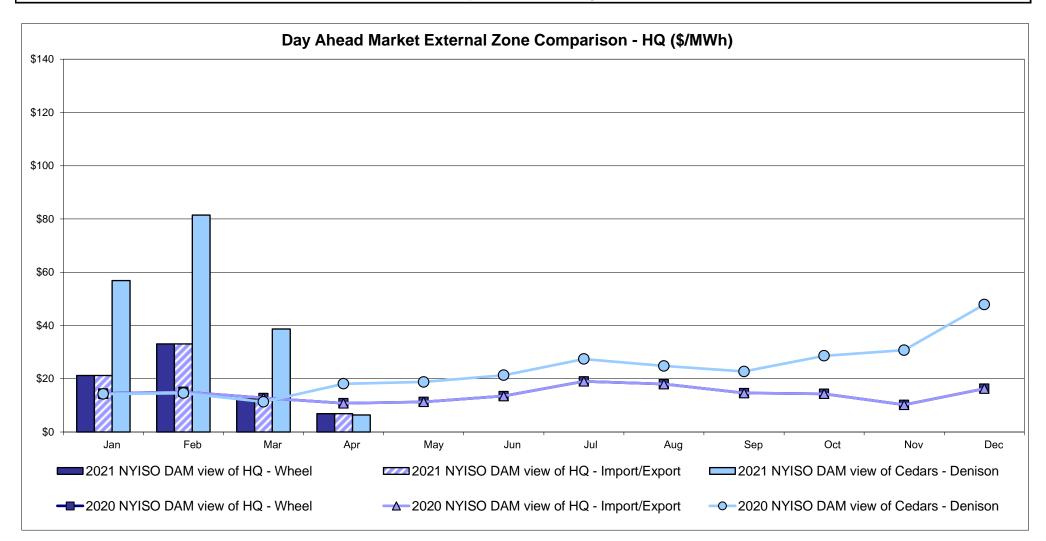
The DAM and R/T prices at the 1385 interface are used for NYISO.

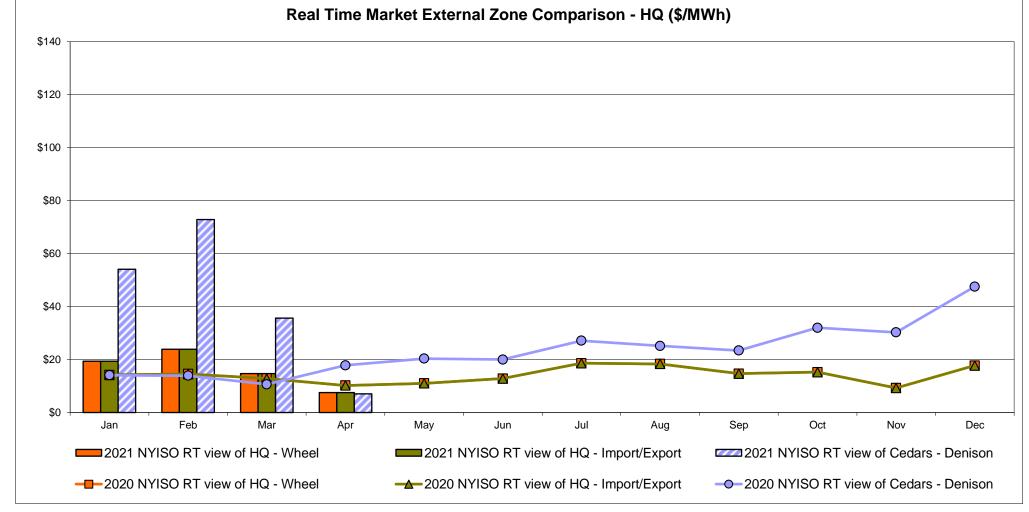
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

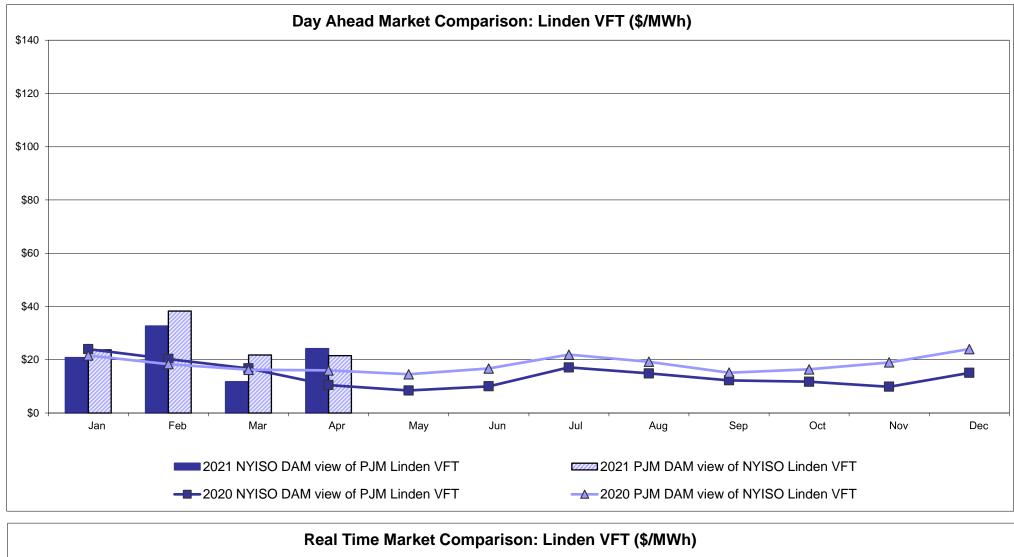


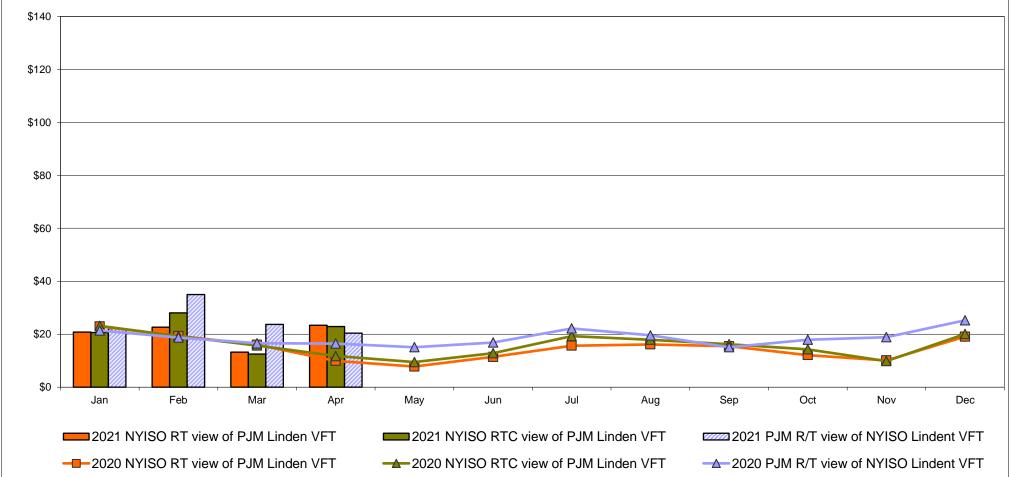


Note:

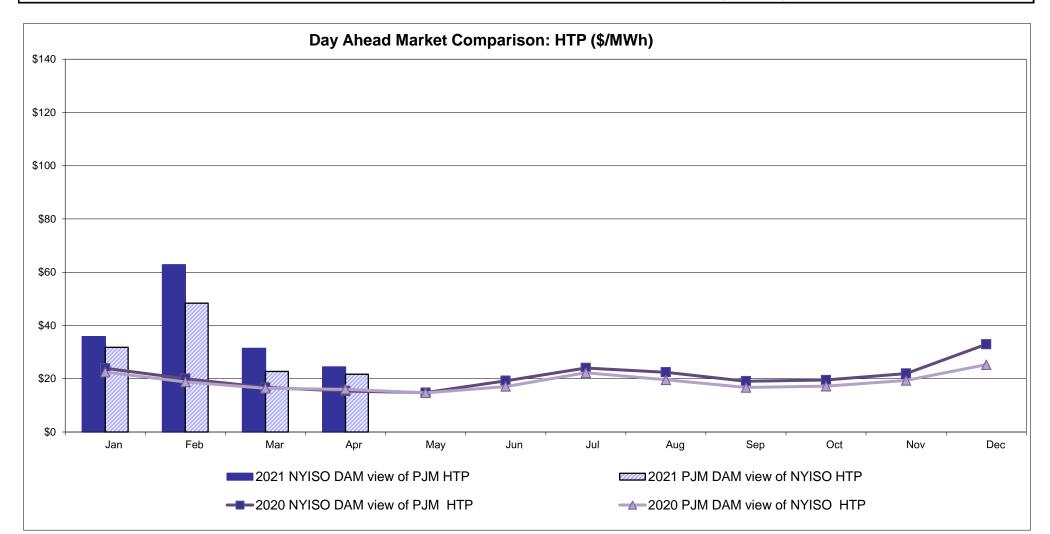
Hydro-Quebec Prices are unavailable.

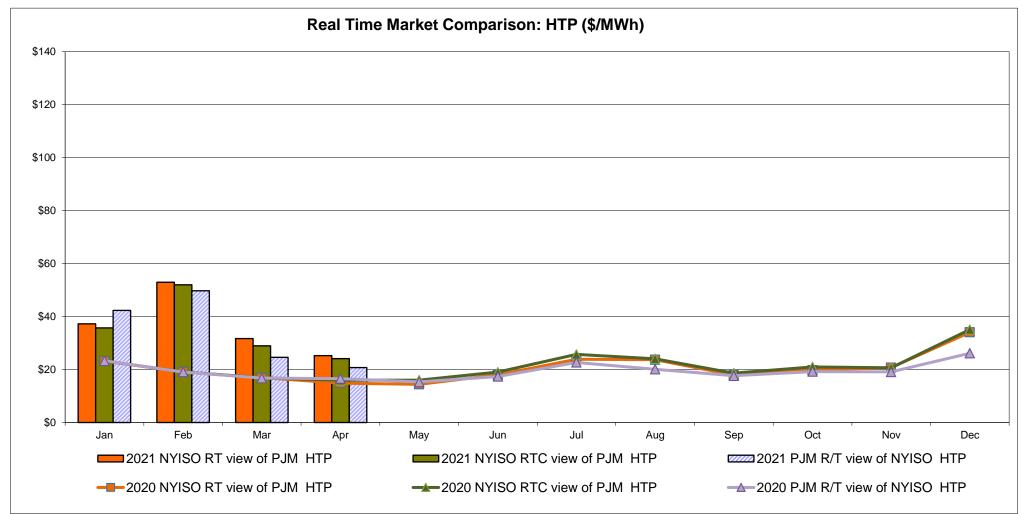
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)



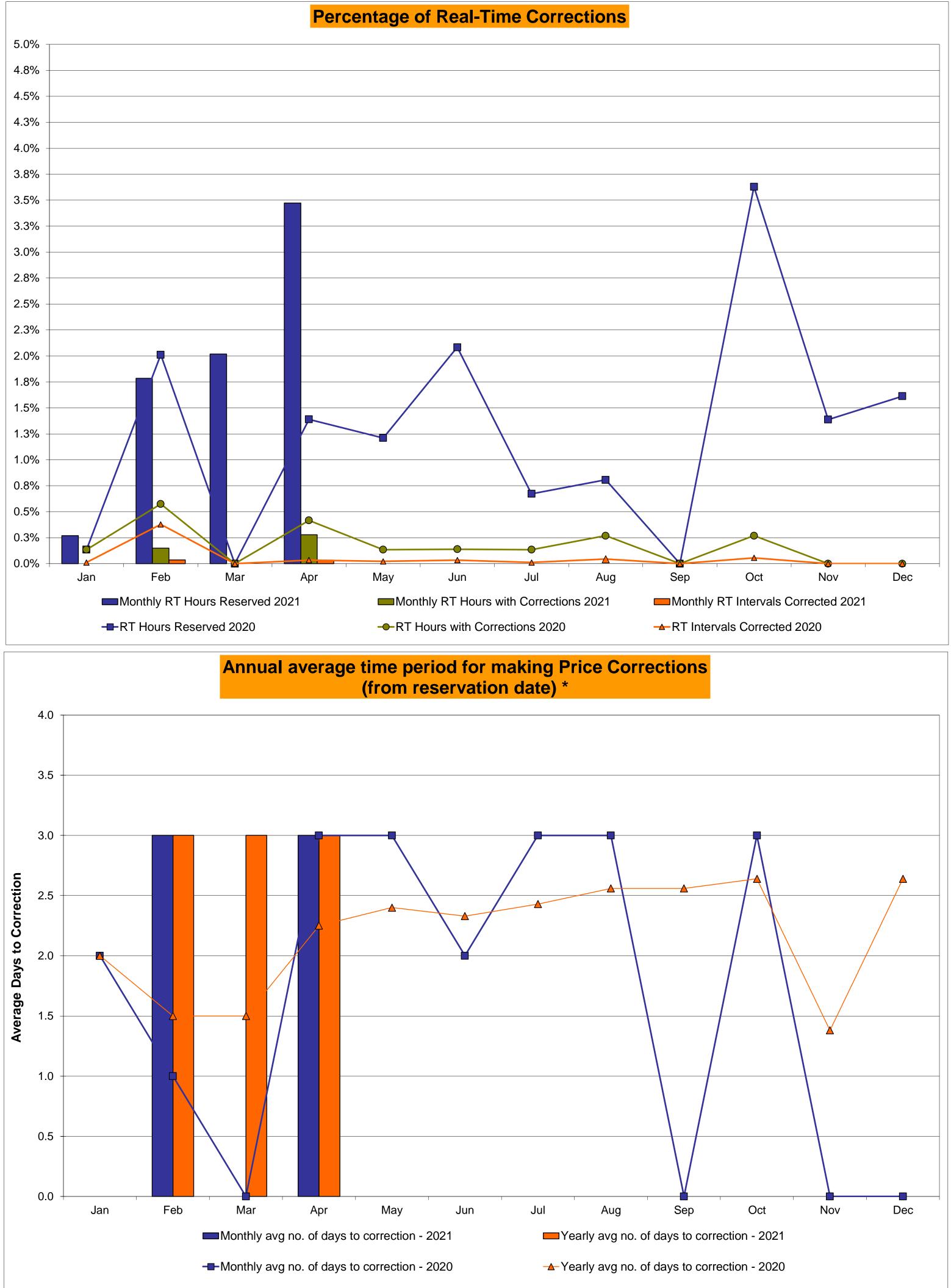


NYISO Real Time Price Correction Statistics

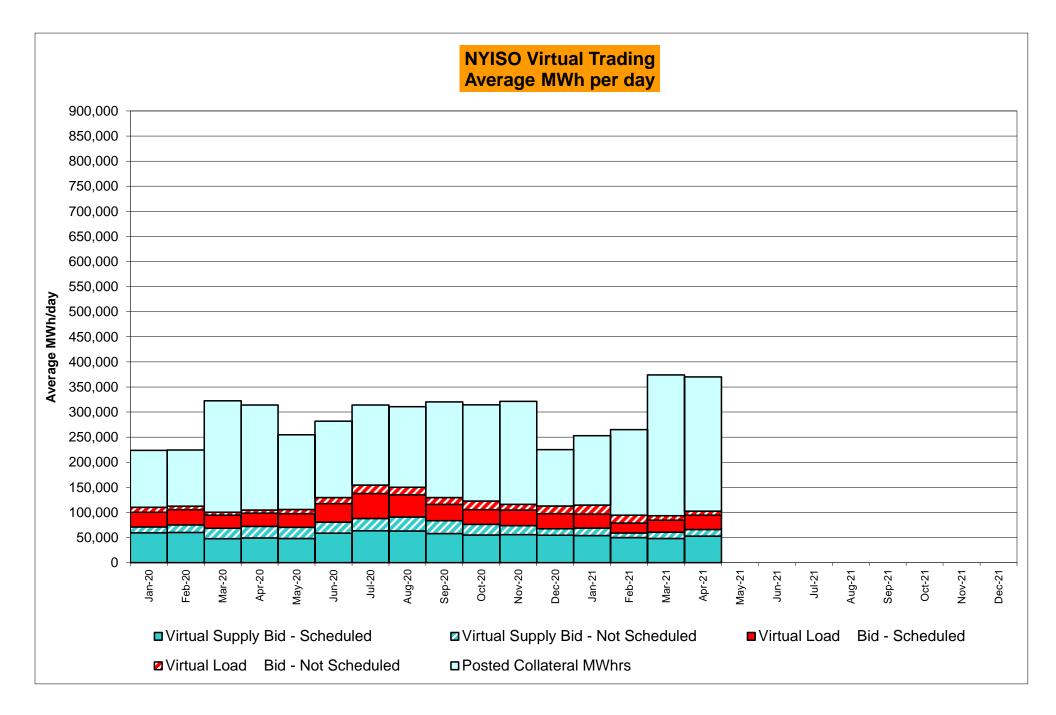
<u>2021</u>		<u>January</u>	February	March	<u>April</u>	May	June	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Hour Corrections					_								
Number of hours with corrections	in the month	0	1	0	2								
Number of hours	in the month	744	672	743	720								
% of hours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

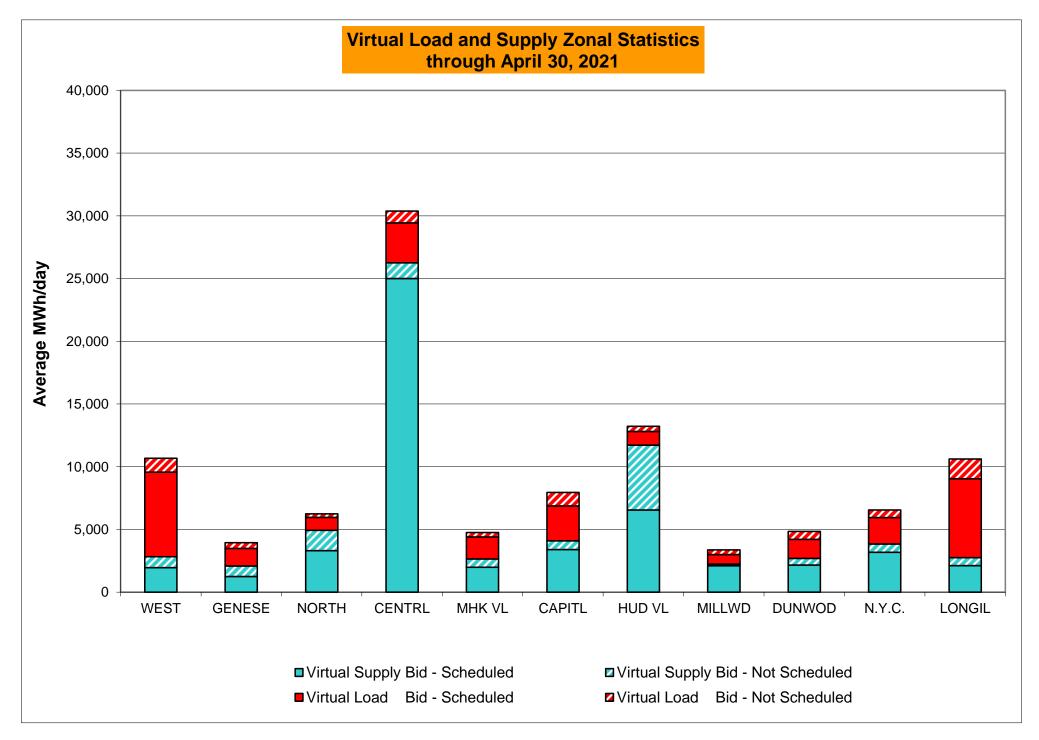
*Calendar days from reservation date; for June 2018 forward, business days from market date

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



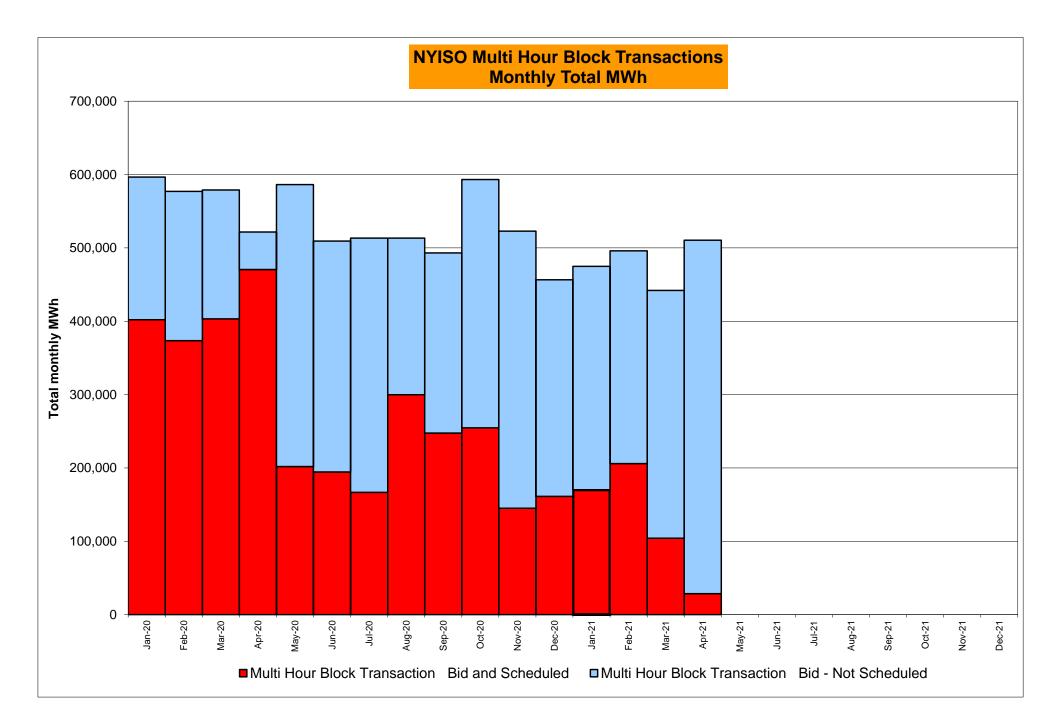
*Calendar days from reservation date; for June 2018 forward, business days from market date



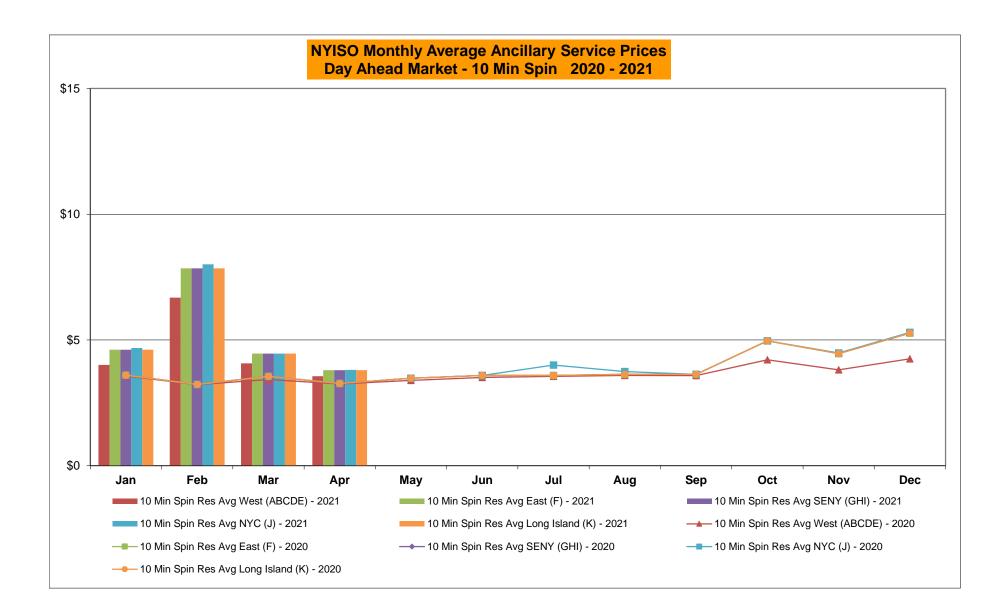


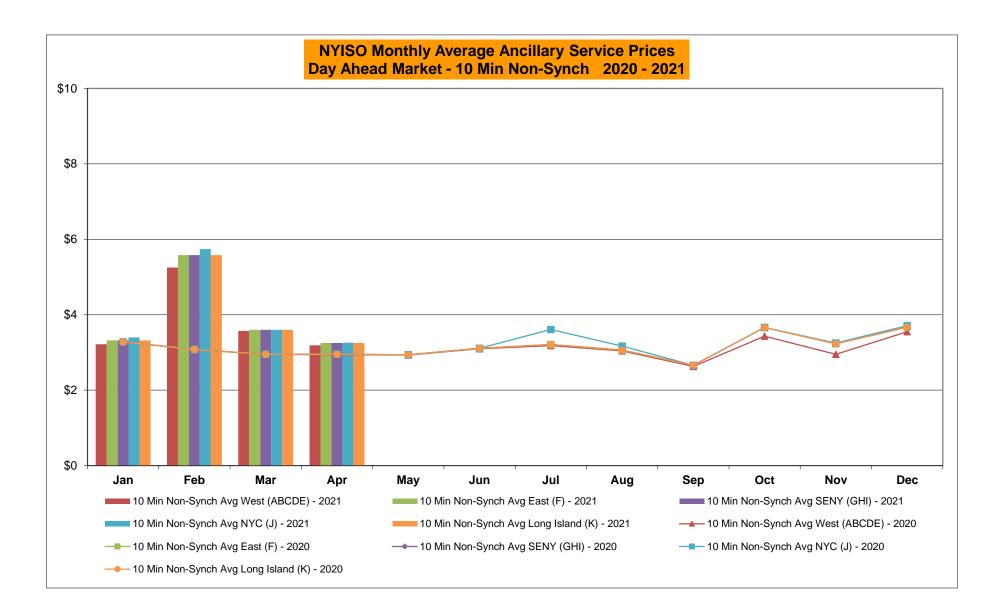
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2021

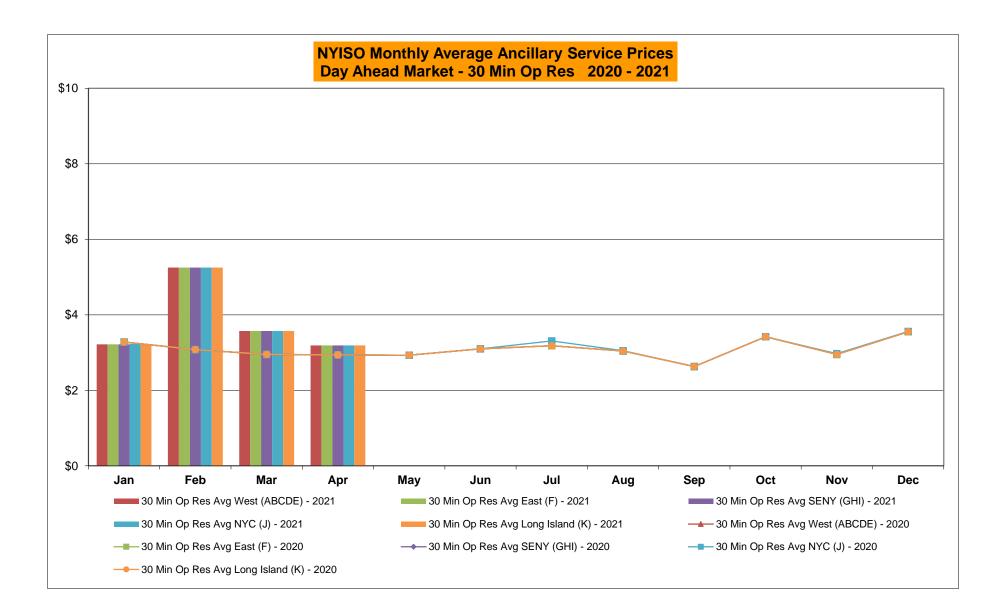
		Virtual L	.oad Bid	Virtual Su	ipply Bid			Virtual L	.oad Bid	Virtual Su	upply Bid			Virtual L	.oad Bid	Virtual Su	upply Bid
			Not		Not				Not		Not				Not		Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date			Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled		Scheduled
WEST	Jan-21	6,262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

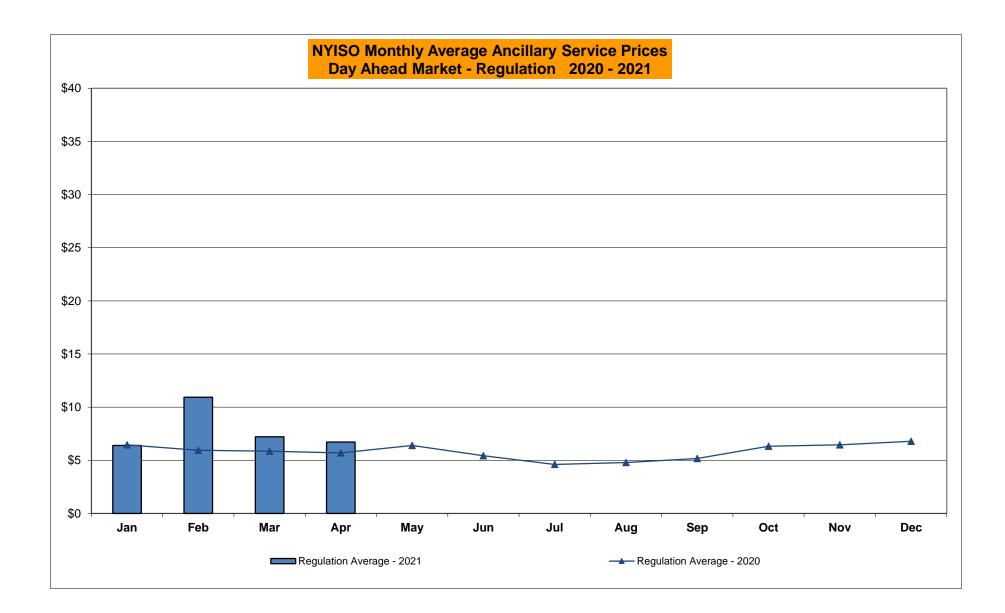


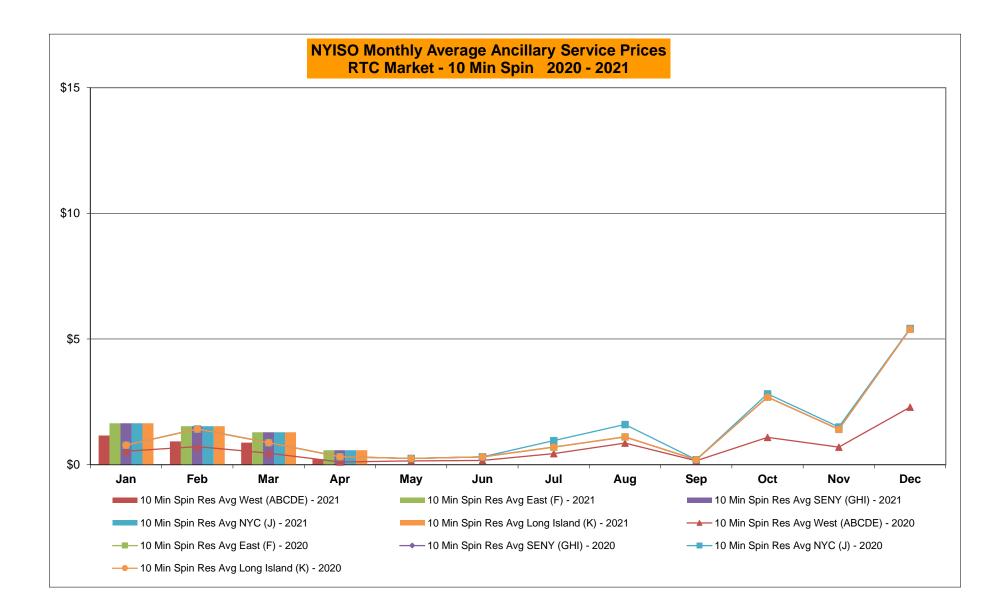
Market Mitigation and Analysis Prepared: 5/19/2021 7:47 PM

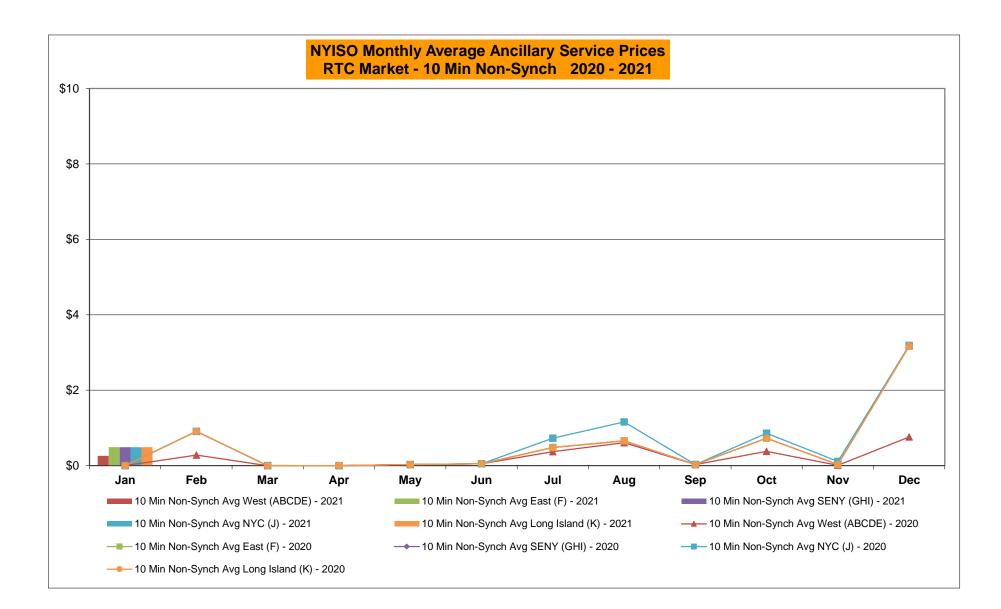


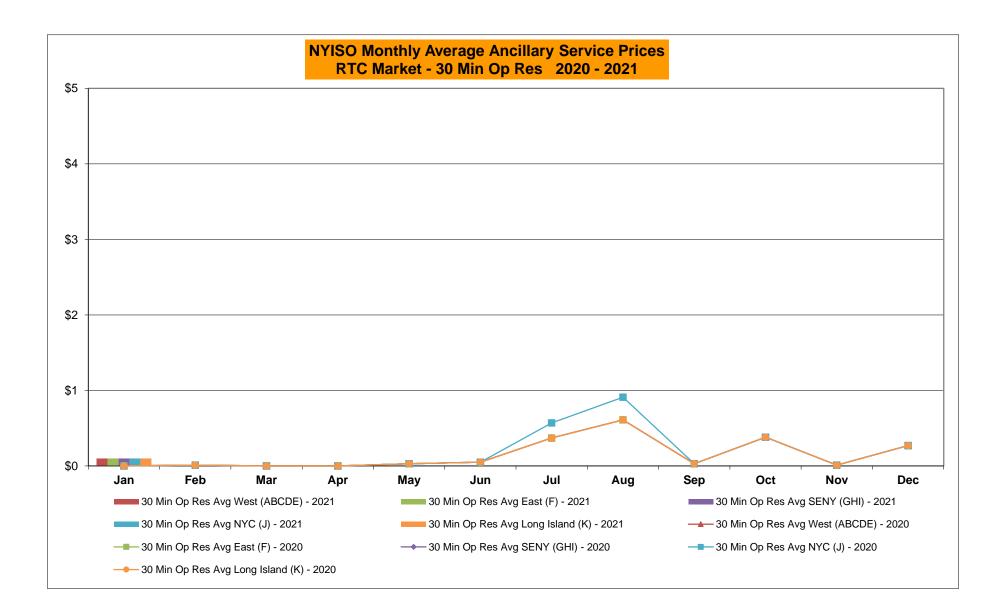


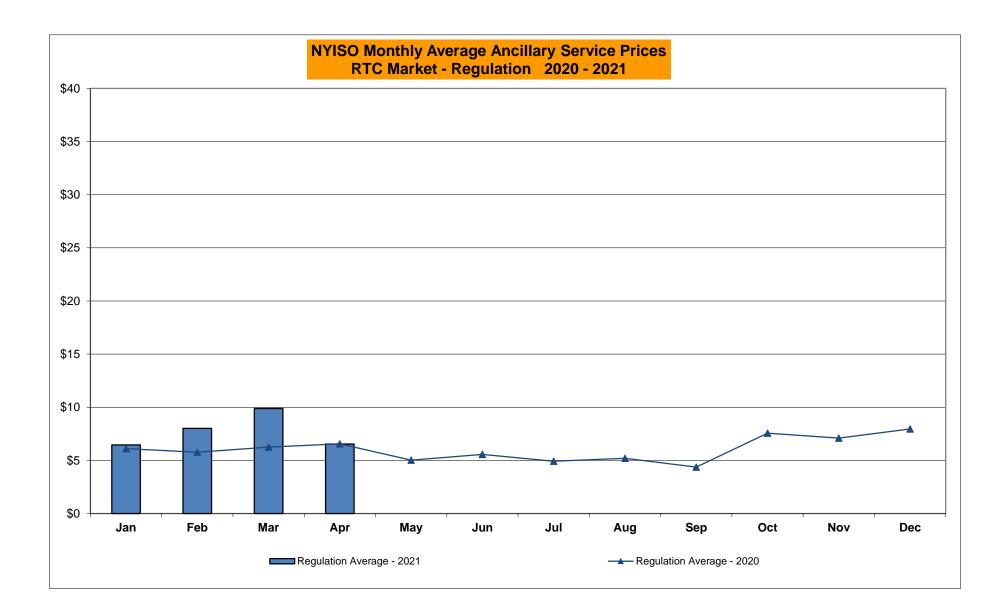


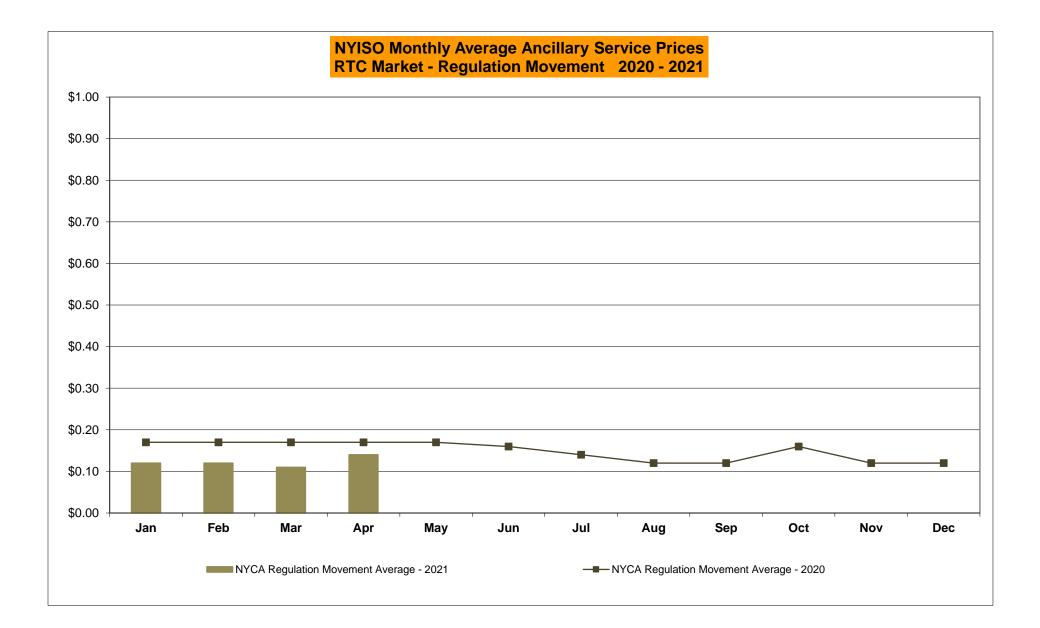


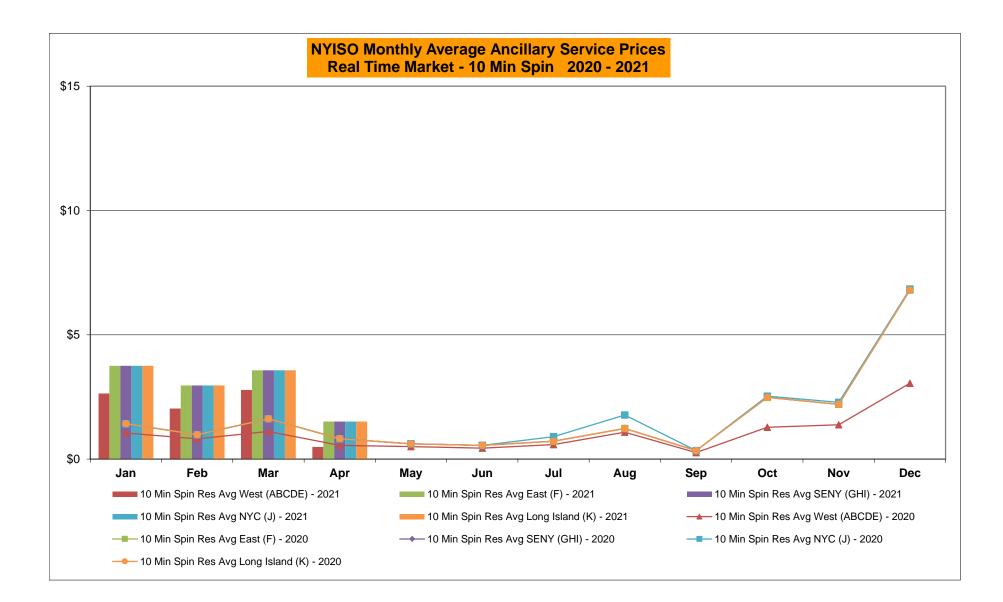


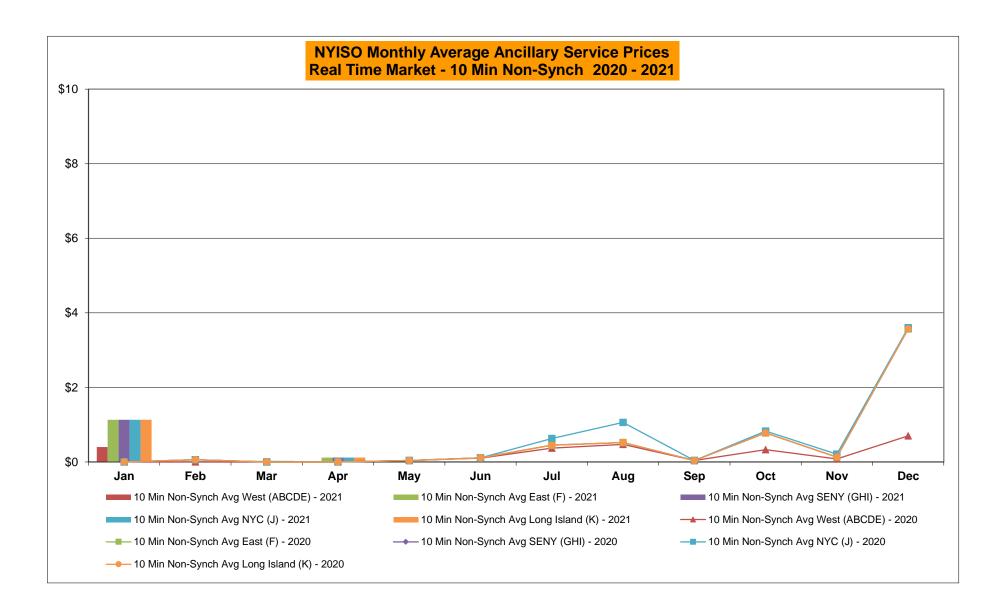


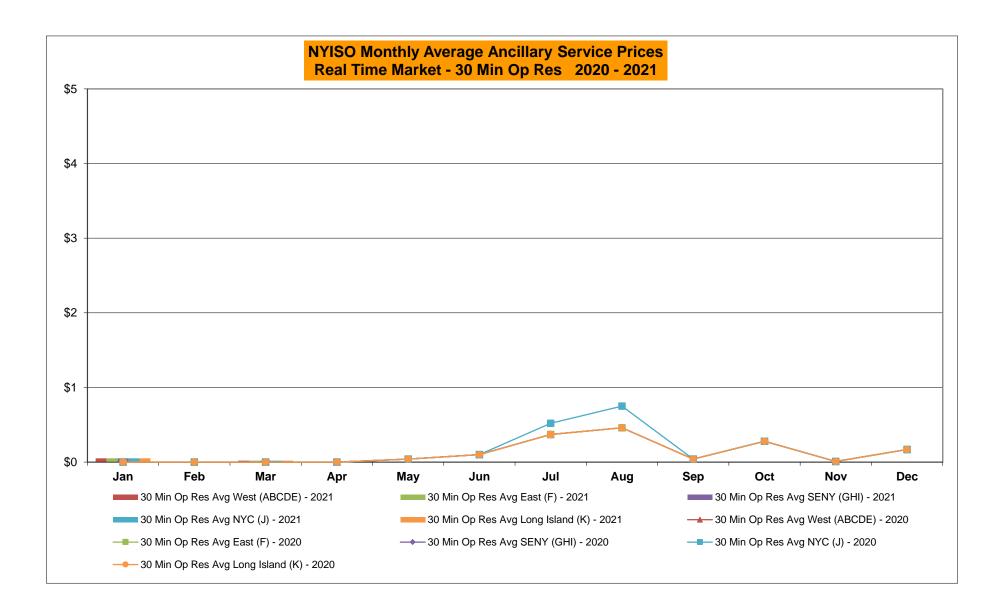


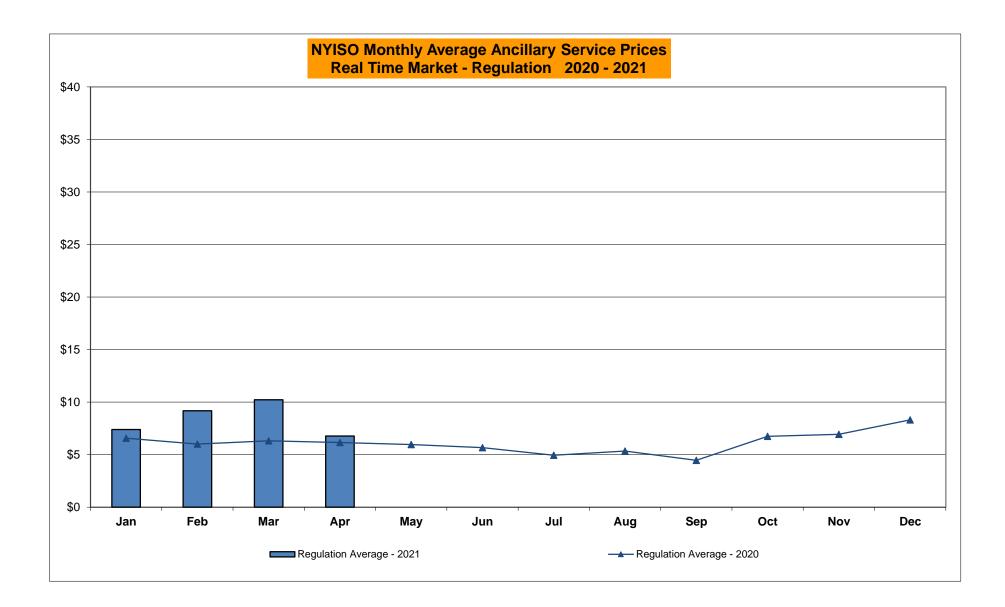


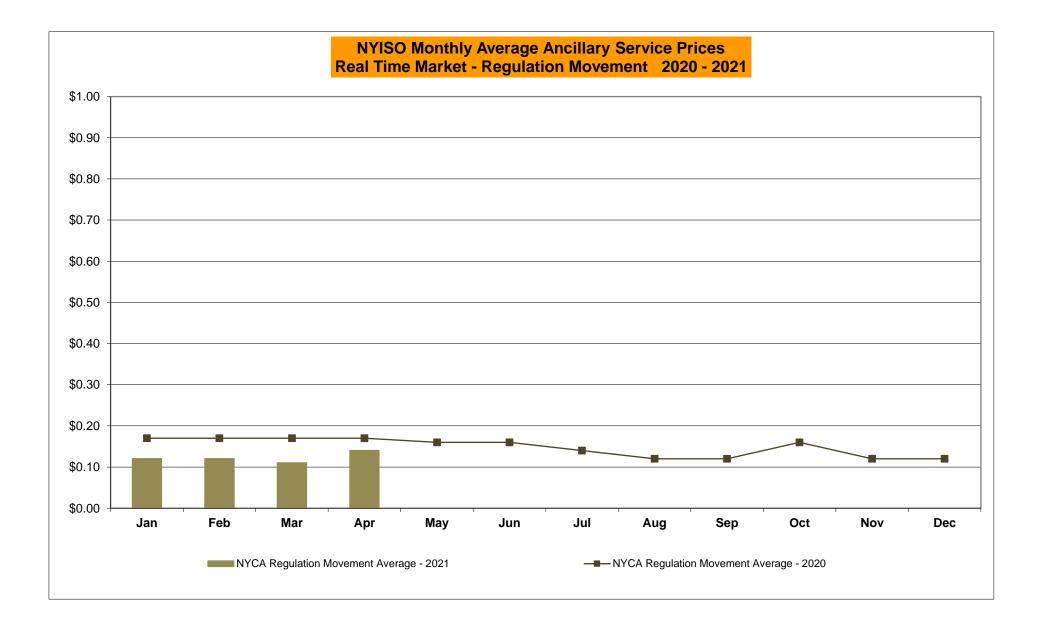












	IN FISO IVIALK	els Anci	liary Serv	ices Sia	<u>1151105 - (</u>	Jnweign			<u>vn) - Dai</u>	<u>/ </u>
2021	January	February	March	<u>April</u>	May	June	<u>July</u>	August	<u>September</u>	(
Day Ahead Market										
10 Min Spin Long Island (K)	4.61	7.85	4.46	3.80						
10 Min Spin NYC (J)	4.68	8.01	4.46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

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

<u>October</u>

November

<u>December</u>

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

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

-.... -. -.....

<u>October</u>

<u>November</u>

<u>December</u>

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

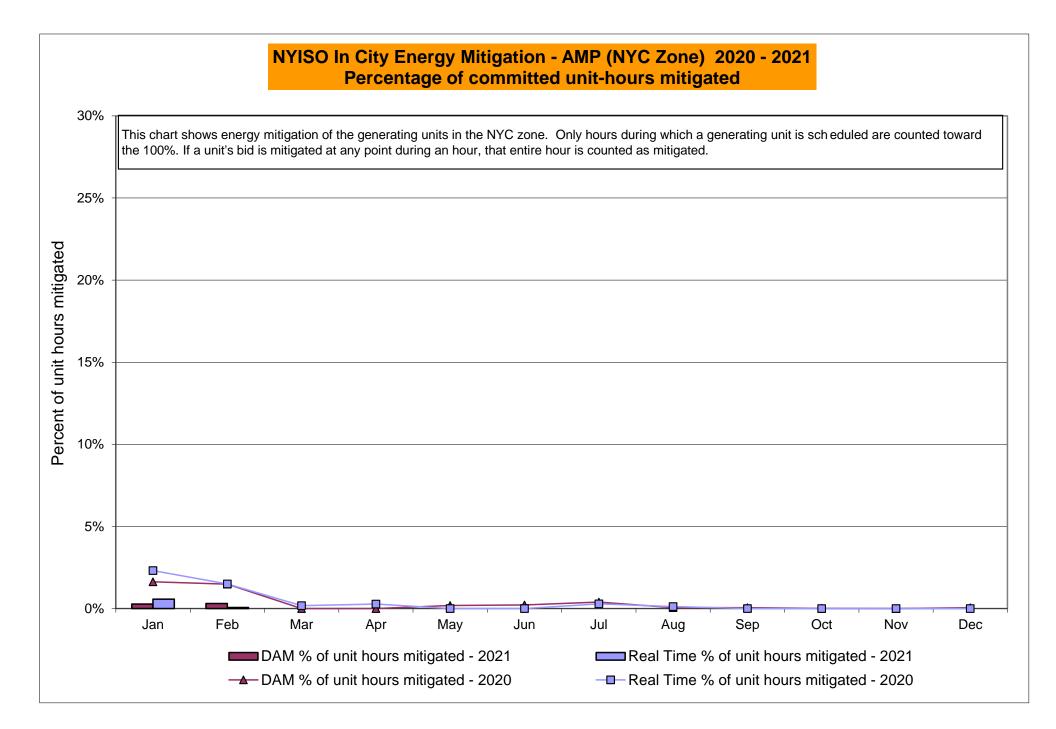
	NYISO Marl	kets Anc	illary Ser	vices Sta	atistics -	Unweig	hted Pri	<u>ce (\$/M</u>	<u>WH) - RT</u>	I
2021	January	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>(</u>
Real Time Market		<u> </u>	<u></u>	<u></u>	<u></u>	<u></u>	<u>•••·</u>	<u></u>	<u></u>	-
10 Min Spin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

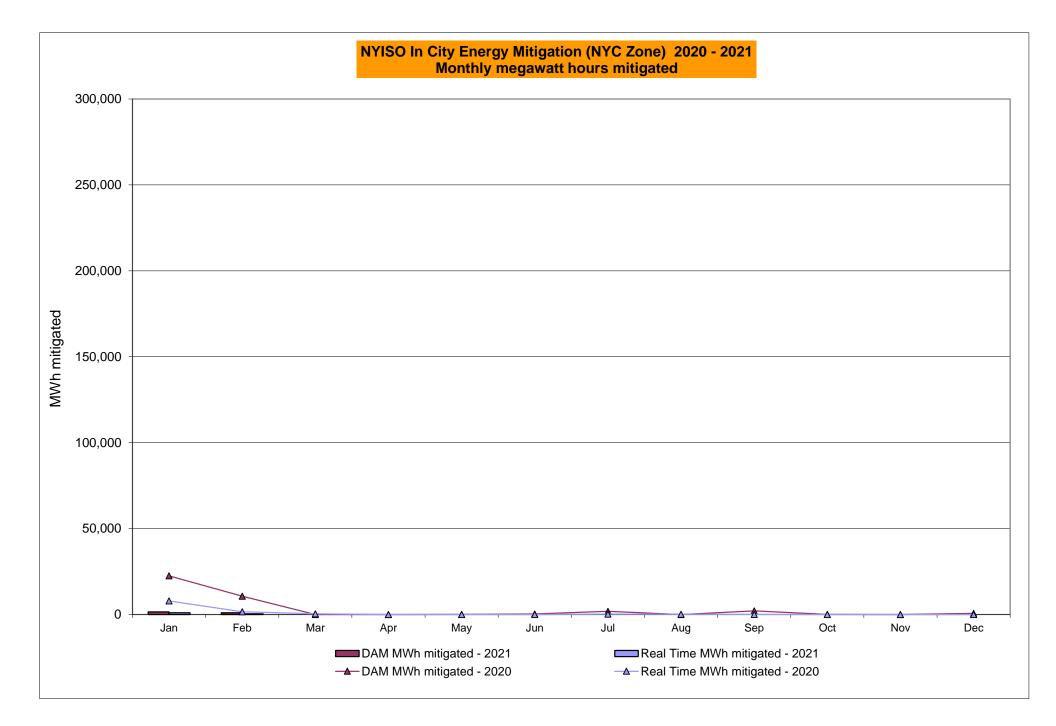
<u>October</u>

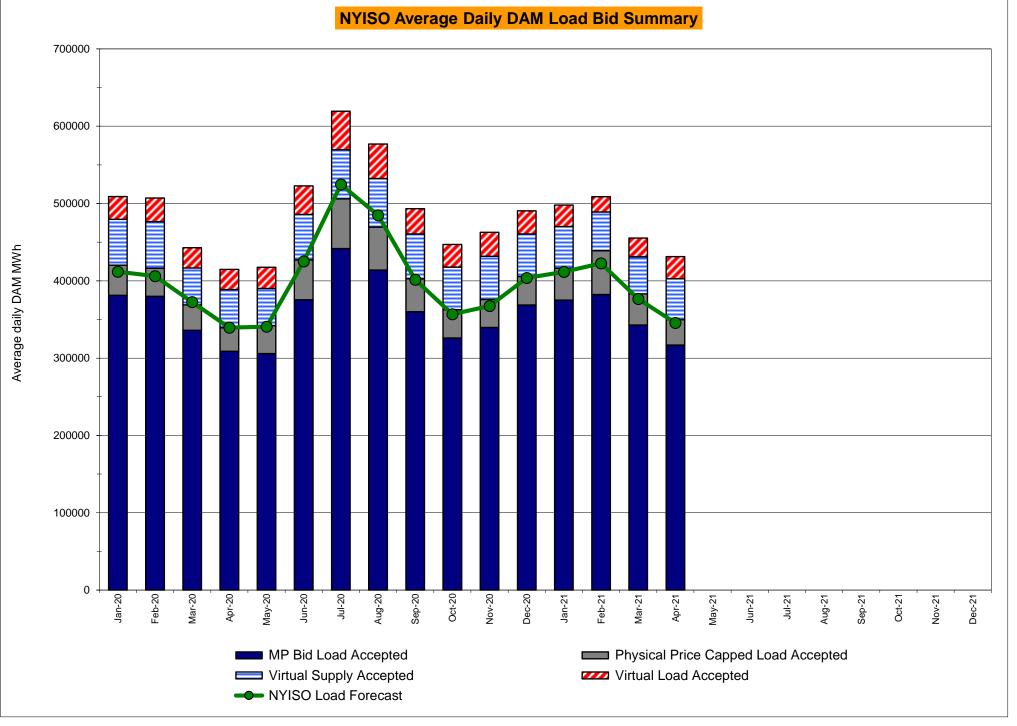
<u>November</u>

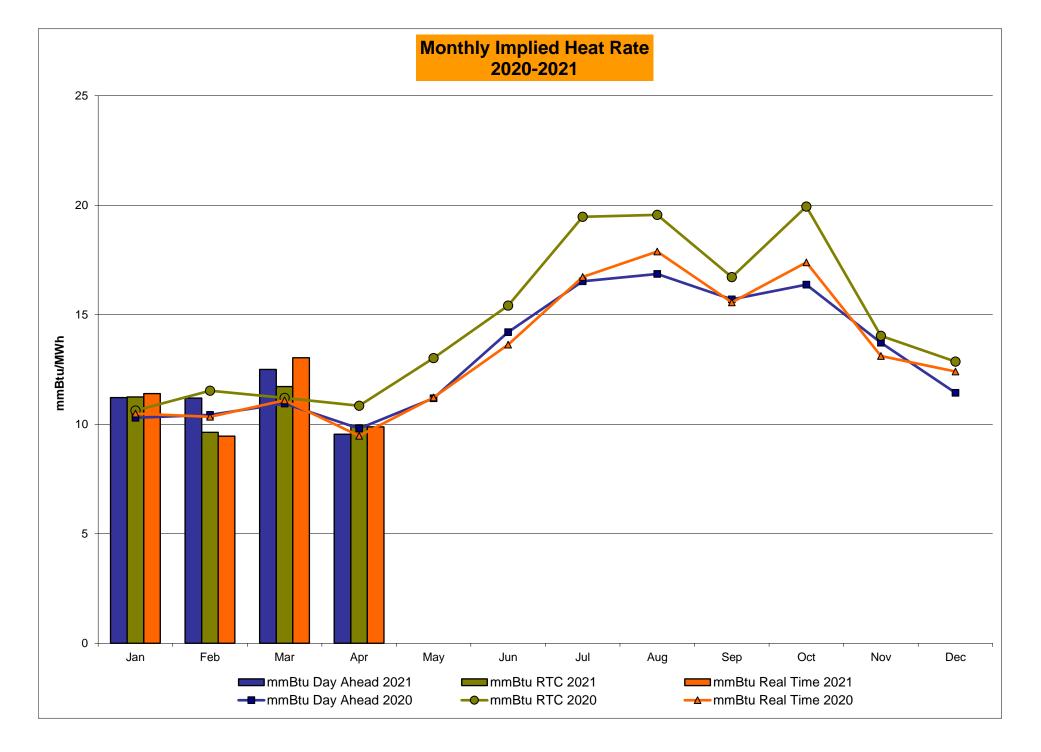
<u>December</u>

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

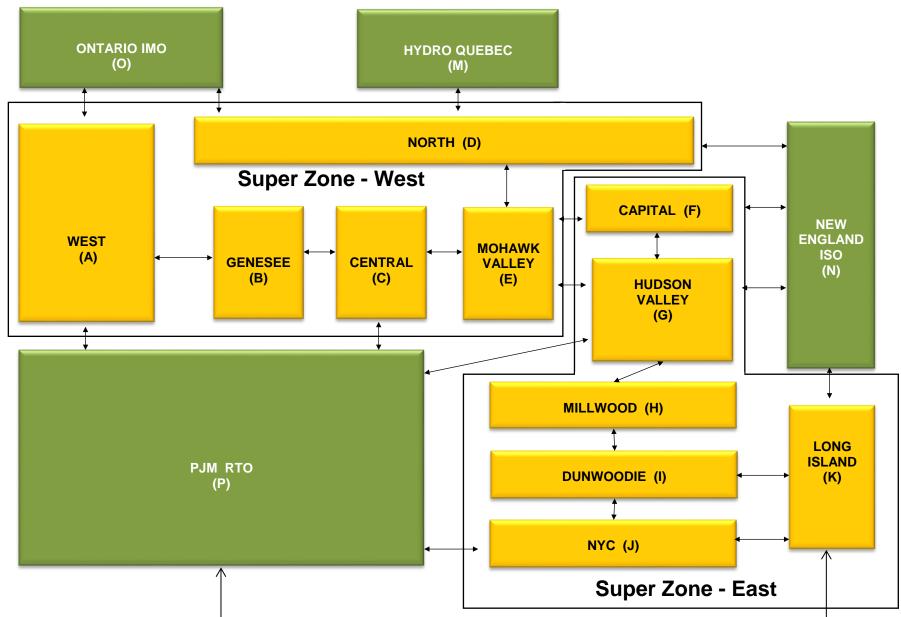








NYISO LBMP ZONES



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

Billing Codes for Chart C

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

Our mission, in collaboration with our stakeholders, is to serve the public interest and provide benefit to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policymakers, stakeholders and investors in the power system





FINAL

Summary Description of Upcoming Regulatory Compliance Filings, Recently Submitted Filings and Issued Orders on NYISO Matters

Upcoming Compliance Filings

F	iling Due Date	Upcoming Compliance Filings (Description)	Docket Number
	06/01/2021	NYISO compliance filing of Self Supply Exemption provisions under the BSM Rules, as directed by FERC's 4/30/21 Order	ER16-1404-00_, 005, 006, 007

Recently Issued Orders

Filing Date	Filing Summary (Order Issued)	Order Date	Order Summary	Docket Number
02/26/2021	NYISO and APGI Section 205 filing of an Engineering, Procurement, Construction, Operation, and Maintenance Agreement among the NYISO, APGI, and HQUS re: Cedar Rapids	04/16/2021	Letter order accepted the submittal, effective 2/11/2021 as requested	ER21-1221-000
12/22/2020	NYISO compliance filing, and subsequent errata, to modify the NYISO's Self Supply Exemption under the NYISO's buyer-side capacity market power mitigation rules in accordance with the directives of the 02/20/2020 Order	04/29/2021	Order accepted filing subject to further compliance filing	ER16-1404-005, -006
01/08/2021	NYISO filing of second errata to the December 22, 2020 filing to modify the NYISO's Self Supply Exemption (SSE) under the NYISO's buyer-side capacity market power mitigation rules	04/29/2021	Order accepted filing subject to further compliance filing	ER16-1404-007
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	04/29/2021	Letter order accepted submission effective 02/26/2021, as requested	ER21-1367-000
03/04/2021	NYISO-National Grid joint Section 205 joint filing of a Transmission Project Interconnection Agreement among the NYISO, National Grid, and New York Transco	05/04/2021	Letter order accepted submission effective 2/19/21, as requested	ER21-1283-000
03/10/2021	NYISO-NYSEG joint Section 205 filing of a Large Generator Interconnection Agreement among NYISO, NYSEG and Baron Winds	05/07/2021	Letter order accepted submission effective 02/24/2021, as requested	ER21-1312-000
04/20/2021	NYISO filing of an answer to comments regarding an Amended and Restated Large Generator Interconnection Agreement among the NYISO, NYSEG, and Baron Winds	05/07/2021	Letter order accepted filing effective 2/24/2021 as, requested	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	05/10/2021	Letter order accepted submission effective 2/26/2021, as requested	ER21-1366-000

FINAL				
05/03/2021	ISO/RTO Council filing of a request for a 30-day extension to file comments in response to FERC's April 15, 2021 Supplemental NOPR to modify the incentive proposed for utilities that join ISOs/RTOs	05/11/2021	FERC issued the attached notice granting the extension.	RM20-10-000
	NYISO-NYSEG joint Section 205 filing of a Transmission Project Interconnection Agreement among the NYISO, NYSEG and New York Transco		Letter order accepted submission effective 3/1/2021, as requested	ER21-1413-000

Recently Submitted Filings

Filing Date	Filing Summary	Docket Number
	NYISO compliance filing of a revised amortization period for the peaking plants used in determining the ICAP Demand Curves for the 2021-2025 reset period	ER21-502-002
	NYISO filing, on behalf of NY Transco, of an Engineering, Procurement & Construction Agreement Among NY Transco, Holcim (US) Inc. and NYISO	ER21-1710-000
	NYISO filing of a motion to intervene and protest the request for limited waiver of Tariff submitted by TBE Montgomery, LLC (TBE) on April 9, 2021	ER21-1674-000
04/20/2021	NYISO filing of annual report of total MW-hours of transmission service interstate commerce for 2020 in compliance with FERC to satisfy Reporting Requirement No. 582	FERC Form No. 582
04/23/2021	NYISO filing of errata to its Motion in response to the TBE Montgomery Request for Limited Waiver of Tariff	ER21-1674-000
04/23/2021	NYISO-Ravenswood joint Section 205 filing of an implementation agreement between NYISO and Helix Ravenswood regarding recovery of its costs to use fuel oil	ER21-1754-000
	NYISO-National Grid joint Section 205 filing of a Small Generator Interconnection Agreement among NYISO, National Grid, and SunEast Skyline Solar	ER21-1784-000
05/07/2021	NYISO Motion to Intervene and Comments on Transmission Owners' Section 205 revisions to the OATT regarding funding of upgrades	ER21-1647-000
05/07/2021	NYISO filing of an answer to Transmission Owners' complaint regarding the funding approach for Upgrades specified in the NYISO tariffs	ER21-66-000
05/10/2021	NYISO filing of post technical conference comments regarding Offshore Wind Integration in RTOs/ISOs	AD20-18-000
	NYISO-National Grid joint Section 205 filing of a Transmission Project Interconnection Agreement among NYISO, National Grid, and NYPA for the Segment A Double Circuit Transmission Project	ER21-1900-000
	NYISO informational filing re: interconnection study metrics for the first quarter of 2021 consistent with the requirements of Order Nos. 845 and 845-A.	ER19-1949-000
05/14/2021	NYISO-NYSEG joint 205 filing of an Small Generator Interconnection Agreement among the NYISO, NYSEG, and Puckett Solar.	ER21-1911-000