

Market Operations Report

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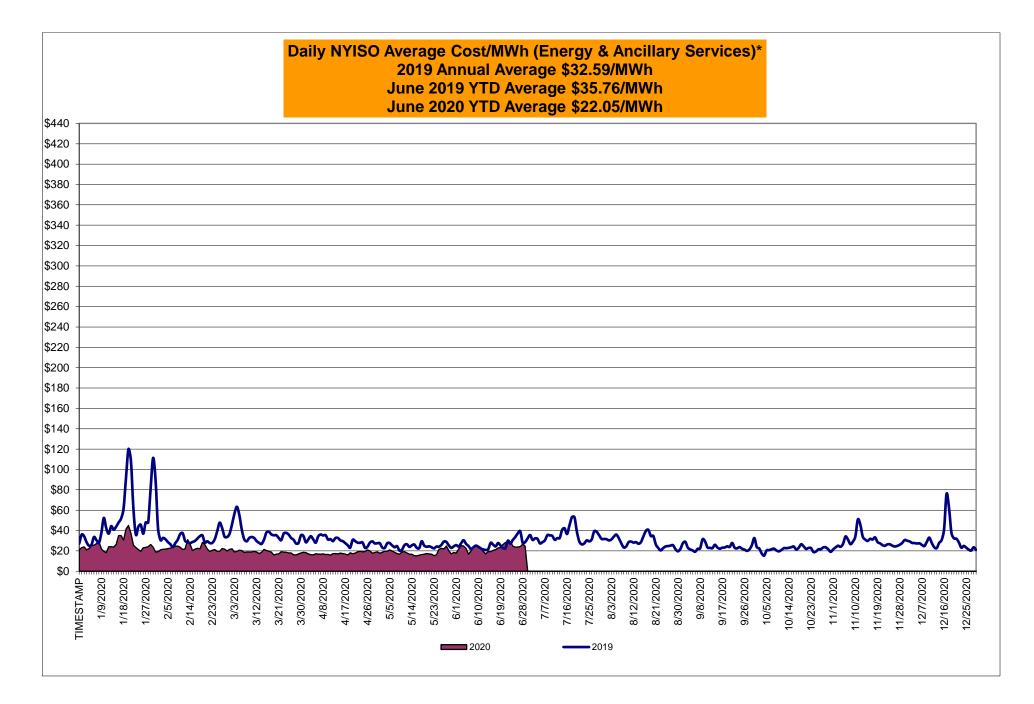
SENIOR VICE PRESIDENT – MARKET STRUCTURES, NYISO

Business Issues Committee Meeting

July 15, 2020 Rensselaer, NY

Market Performance Highlights June 2020

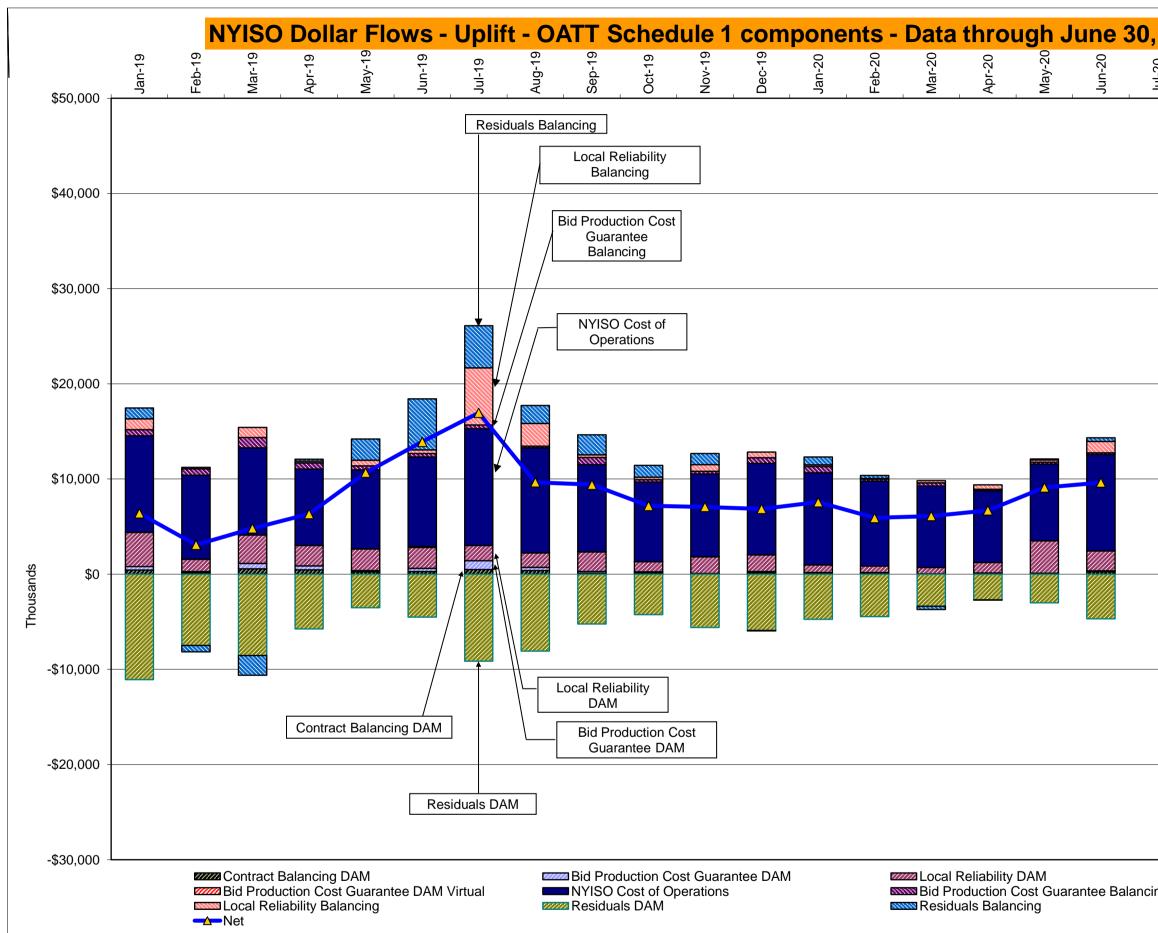
- LBMP for June is \$21.36/MWh; higher than \$16.14/MWh in May 2020 and lower than \$24.43/MWh in June 2019.
 - Day Ahead and Real Time Load Weighted LBMPs are higher compared to May.
- June 2020 average year-to-date monthly cost of \$22.21/MWh is a 38% decrease from \$37.76/MWh in June 2019.
- Average daily sendout is 430 GWh/day in June; higher than 345 GWh/day in May 2020 and 429 GWh/day in June 2019.
- Natural gas prices and distillate prices are higher compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$1.44 /MMBtu, up from \$1.33/MMBtu in May.
 - Natural gas prices are down 31.5% year-over-year.
 - Jet Kerosene Gulf Coast was \$7.30/MMBtu, up from \$5.12/MMBtu in May.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$8.05/MMBtu, up from \$6.36/MMBtu in May.
 - Distillate prices are down 42.5% year-over-year.
- Uplift per MWh is lower compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.05)/MWh; lower than \$0.09/MWh in May.
 - Local Reliability Share is \$0.24/MWh, lower than \$0.32/MWh in May.
 - Statewide Share is (\$0.29)/MWh, lower than (\$0.23)/MWh in May.
 - TSA \$ per NYC MWh is \$0.04/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than May.



* Excludes ICAP payments.

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						
NTAC	0.91	0.70	0.86	0.91	1.05	0.95						
Reserve	0.46	0.43	0.47	0.50	0.53	0.45						
Regulation	0.09	0.08	0.09	0.08	0.10	0.08						
NYISO Cost of Operations	0.68	0.69	0.68	0.66	0.71	0.74						
FERC Fee Recovery	0.08	0.09	0.09	0.10	0.11	0.09						
Uplift	(0.15)	(0.23)	(0.19)	(0.08)	0.09	(0.05)						
Uplift: Local Reliability Share	0.07	0.06	0.07	0.14	0.32	0.24						
Uplift: Statewide Share	(0.22)	(0.29)	(0.26)	(0.21)	(0.23)	(0.29)						
Voltage Support and Black Start	0.44	0.44	0.44	0.43	0.45	0.45						
Avg Monthly Cost	27.29	23.32	19.55	18.38	19.16	24.09						
Avg YTD Cost	27.29	25.40	23.48	22.38	21.82	22.21						
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.00	0.04						
2019	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	December
LBMP	50.93	33.51	34.91	28.01	23.10	24.43	33.18	27.83	22.22	20.84	27.39	29.52
NTAC	0.51	0.69	0.98	1.16	0.72	1.08	1.01	0.98	0.48	0.57	0.88	0.77
Reserve	0.54	0.51	0.55	0.63	0.63	0.50	0.44	0.49	0.50	0.62	0.50	0.44
Regulation	0.13	0.11	0.10	0.33	0.13	0.09	0.07	0.09	0.09	0.13	0.11	0.10
NYISO Cost of Operations	0.68	0.68	0.69	0.69	0.68	0.69	0.70	0.70	0.69	0.67	0.67	0.67
FERC Fee Recovery	0.08	0.09	0.09	0.10	0.10	0.08	0.06	0.07	0.09	0.09	0.09	0.08
Uplift	(0.25)	(0.44)	(0.33)	(0.15)	0.13	0.07	(0.06)	(0.20)	(0.13)	(0.09)	(0.13)	(0.19)
Uplift: Local Reliability Share	0.32	0.11	0.31	0.20	0.23	0.19	0.44	0.25	0.17	0.11	0.19	0.17
Uplift: Statewide Share	(0.57)	(0.55)	(0.64)	(0.35)	(0.11)	(0.12)	(0.50)	(0.45)	(0.30)	(0.20)	(0.31)	(0.35)
Voltage Support and Black Start	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.36
Avg Monthly Cost	52.99	35.51	37.38	31.16	25.88	27.32	35.78	30.33	24.32	23.21	29.89	31.76
Avg YTD Cost	52.99	44.93	42.54	40.12	37.57	35.76	35.75	34.96	33.88	32.94	32.69	32.59
TSA \$ per NYC MWh	0.00	0.00	0.01	0.01	0.19	0.77	1.00	0.33	0.43	0.00	0.00	0.00

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



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.

, 20	920 OZ-6ny	Sep-20	Oct-20	Nov-20	Dec-20	
ing						

NYISO Markets Transactions

<u>2020</u>	January	February	March	<u>April</u>	May	June	<u>July</u>	August	<u>September</u>	October	November	<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	<u>oury</u>	ragaor				<u>B000111801</u>
	56%	56%	12,493,999 59%	54%	55%	58%						
DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales	50 % 6%	5%	5%	54 % 7%	4%	3%						
DAM External TC LDMF Energy Sales	30%	30%	27%	30%	4 <i>%</i> 31%	29%						
DAM Bilateral - Importi/Non-LBMP Market Bilaterals	5%	5%	6%	50 % 6%	6%	29 <i>%</i> 5%						
DAM Bilateral - Export/Non-LBMP Market Bilaterals	5 % 2%	5 % 2%	2%	0 % 2%	2%	5 % 2%						
DAM Bilateral - Wheel Through Bilaterals	1%	2 % 1%	2 % 1%	2 <i>%</i> 1%	2 <i>%</i> 1%	2%						
Balancing Energy Market MWh	-26,753	-142,168	144,076	22,599	-137,565	-180,149						
Balancing Energy LSE Internal LBMP Energy Sales	-1080%	-221%	-85%	-884%	-187%	-134%						
Balancing Energy External TC LBMP Energy Sales	1156%	181%	240%	1233%	137%	99%						
Balancing Energy Bilateral - Internal Bilaterals	62%	5% 0%	12%	55%	12% 0%	7%						
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%		0%						
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	127%	16%	18%	92%	12%	5%						
Balancing Energy Bilateral - Wheel Through Bilaterals	-365%	-81%	-85%	-396%	-74%	-77%						
Transactions Summary			o = 0 /									
LBMP	62%	62%	65%	61%	59%	62%						
Internal Bilaterals	31%	31%	27%	30%	32%	30%						
Import Bilaterals	5%	5%	6%	6%	6%	5%						
Export Bilaterals	2%	2%	2%	2%	2%	2%						
Wheels Through	0%	1%	0%	0%	0%	1%						
Market Share of Total Load												
Day Ahead Market	100.2%	101.1%	98.9%	99.8%	101.2%	101.3%						
Balancing Energy +	-0.2%	-1.1%	1.1%	0.2%	-1.2%	-1.3%						
Total MWH	14,167,856	13,030,501	12,640,075	11,394,989	11,324,755	13,645,029						
Average Daily Energy Sendout/Month GWh	423	417	375	344	345	430						
2019	January	February	March	April	May	June	July	August	September	October	November	December
2019 Day Aboad Markot MWb	January	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
Day Ahead Market MWh	15,299,458	13,391,383	13,527,834	11,811,029	12,521,583	13,723,372	17,416,589	16,379,968	13,588,715	12,567,821	13,036,152	14,345,711
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales	15,299,458 57%	13,391,383 57%	13,527,834 59%	11,811,029 59%	12,521,583 57%	13,723,372 58%	17,416,589 64%	16,379,968 63%	13,588,715 58%	12,567,821 57%	13,036,152 54%	14,345,711 56%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales	15,299,458 57% 6%	13,391,383 57% 5%	13,527,834 59% 3%	11,811,029 59% 1%	12,521,583 57% 3%	13,723,372 58% 3%	17,416,589 64% 3%	16,379,968 63% 3%	13,588,715 58% 3%	12,567,821 57% 4%	13,036,152 54% 6%	14,345,711 56% 6%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals	15,299,458 57% 6% 29%	13,391,383 57% 5% 30%	13,527,834 59% 3% 30%	11,811,029 59% 1% 31%	12,521,583 57% 3% 32%	13,723,372 58% 3% 29%	17,416,589 64% 3% 26%	16,379,968 63% 3% 26%	13,588,715 58% 3% 30%	12,567,821 57% 4% 32%	13,036,152 54% 6% 32%	14,345,711 56% 6% 30%
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	15,299,458 57% 6% 29% 5%	13,391,383 57% 5% 30% 5%	13,527,834 59% 3% 30% 5%	11,811,029 59% 1% 31% 5%	12,521,583 57% 3% 32% 6%	13,723,372 58% 3% 29% 5%	17,416,589 64% 3% 26% 4%	16,379,968 63% 3% 26% 4%	13,588,715 58% 3% 30% 5%	12,567,821 57% 4% 32% 5%	13,036,152 54% 6% 32% 5%	14,345,711 56% 6% 30% 5%
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	15,299,458 57% 6% 29% 5% 1%	13,391,383 57% 5% 30% 5% 1%	13,527,834 59% 3% 30% 5% 2%	11,811,029 59% 1% 31% 5% 2%	12,521,583 57% 3% 32% 6% 2%	13,723,372 58% 3% 29% 5% 2%	17,416,589 64% 3% 26% 4% 1%	16,379,968 63% 3% 26% 4% 1%	13,588,715 58% 3% 30% 5% 2%	12,567,821 57% 4% 32% 5% 2%	13,036,152 54% 6% 32% 5% 2%	14,345,711 56% 6% 30% 5% 2%
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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	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119%	13,588,715 58% 3% 30% 5% 2% 2% 2% -247,267 -163%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480%
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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 DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy Bilateral - Internal LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Balancing Energy Bilaterals Import Bilaterals Import Bilaterals Wheels Through Market Share of Total Load	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3% -45% 63% 29% 5% 1% 1% 1% 1%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67% -1% 0% 7% -47% 62% 30% 5% 2% 1% 102.5% -2.5%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82% -3% 0% 6% -47% 61% 30% 6% 2% 1% 102.0% -2.0%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113% 2% 0% 7% -44% 60% 31% 6% 2% 1% 1%	12,521,583 57% 3% 32% 6% 2% -392,699 -150% 68% 1% 0% 2% -21% 59% 33% 6% 2% 0% 2% 0%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 0% 8% -77% 62% 30% 5% 2% 1% 100.7% -0.7%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5% 15% 8% -125% 68% 25% 4% 1% 1% 1%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0% 0% 0% 1% -23% 65% 27% 5% 1% 1% 1% 1%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93% -4% 0% 6% -31% 61% 30% 5% 2% 2% 2% 2% 2%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6% 0% 25% -52% 61% 32% 5% 2% 0% 100.9% -0.9%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435% 103% 0% 170% -476% 60% 32% 5% 2% 0% 100.1% -0.1%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39% 0% 70% -229% 63% 30% 5% 2% 0% 99.7% 0.3%
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 DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy Bilateral - 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 - Wheel Through Bilaterals MP Internal Bilateral	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3% -45% 63% 29% 5% 1% 1% 1%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67% -1% 0% 7% -47% 62% 30% 5% 2% 1%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82% -3% 0% 6% -47% 61% 30% 6% 2% 1%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113% 2% 0% 7% -44% 60% 31% 6% 2% 1%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1% 0% 2% -21% 59% 33% 6% 2% 0% 2% 0%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 0% 0% 8% -77% 62% 30% 5% 2% 1%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5% 15% 8% -125% 68% 25% 4% 1% 1%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0% 0% 0% 1% -23% 65% 27% 5% 1% 1% 1%	13,588,715 58% 3% 30% 5% 2% -247,267 -163% 93% -4% 0% 6% -31% 61% 30% 5% 2% 2% 2%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6% 0% 25% -52% 61% 32% 5% 2% 0%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435% 103% 0% 170% -476% 60% 32% 5% 2% 0%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39% 0% 70% -229% 63% 30% 5% 2% 0%

+ 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.

Market Mitigation and Analysis Prepared: 7/10/2020 10:29 AM

<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.

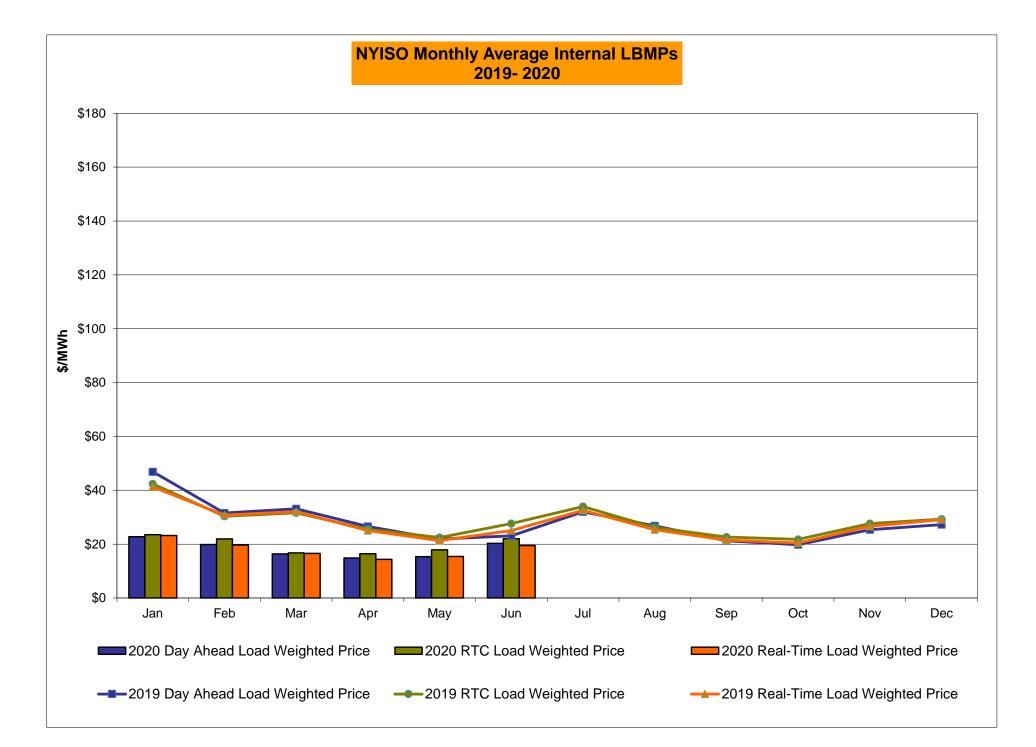
NYISO Markets 2020 Energy Statistics

	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	July	<u>August</u>	<u>September</u>	<u>October</u>	November December	
DAY AHEAD LBMP								-				
Price *	\$22.11	\$19.48	\$16.07	\$14.67	\$14.97	\$19.15						
Standard Deviation	\$7.43	\$4.45	\$3.21	\$2.71	\$3.55	\$6.40						
Load Weighted Price **	\$22.77	\$19.84	\$16.36	\$14.86	\$15.37	\$20.28						
RTC LBMP												
Price *	\$22.86	\$21.48	\$16.48	\$16.23	\$17.46	\$20.84						
Standard Deviation	\$9.33	\$53.30	\$4.84	\$5.17	\$8.61	\$11.26						
Load Weighted Price **	\$23.50	\$21.94	\$16.74	\$16.44	\$17.89	\$22.01						
REAL TIME LBMP												
Price *	\$22.53	\$19.29	\$16.24	\$14.14	\$14.90	\$18.35						
Standard Deviation	\$11.90	\$8.68	\$7.48	\$6.98	\$8.35	\$9.33						
Load Weighted Price **	\$23.20	\$19.68	\$16.58	\$14.35	\$15.42	\$19.46						
Average Daily Energy Sendout/Month GWh	423	417	375	344	345	430						

NYISO Markets 2019 Energy Statistics

	January	February	March	<u>April</u>	May	June	July	August S	<u>September</u>	<u>October</u>	November [<u>December</u>
DAY AHEAD LBMP Price *	\$45.01	\$30.66	\$32.34	\$25.97	\$21.16	\$21.79	\$30.16	\$25.35	\$20.45	\$19.18	\$24.65	\$26.29
Standard Deviation	\$25.67	\$12.86	\$9.30	\$6.32	\$5.89	\$7.28	\$12.06	\$8.73	\$5.57	\$5.09	\$7.73	\$11.81
Load Weighted Price **	\$46.88	\$31.53	\$33.14	\$26.57	\$21.89	\$23.04	\$31.98	\$26.83	\$21.23	\$19.77	\$25.36	\$27.22
RTC LBMP												
Price *	\$40.86	\$29.74	\$31.04	\$25.07	\$21.88	\$25.67	\$32.23	\$24.92	\$21.70	\$20.92	\$26.82	\$28.17
Standard Deviation	\$23.02	\$10.79	\$8.48	\$7.53	\$8.01	\$23.45	\$21.96	\$14.96	\$9.22	\$13.95	\$10.37	\$16.26
Load Weighted Price **	\$42.39	\$30.32	\$31.62	\$25.54	\$22.44	\$27.64	\$33.92	\$26.14	\$22.60	\$21.76	\$27.64	\$29.24
REAL TIME LBMP												
Price *	\$39.54	\$30.13	\$31.46	\$24.47	\$20.56	\$23.30	\$30.77	\$24.01	\$20.49	\$19.53	\$25.82	\$27.81
Standard Deviation	\$26.03	\$13.77	\$12.54	\$17.27	\$10.35	\$17.49	\$20.63	\$12.36	\$9.62	\$12.02	\$11.60	\$19.64
Load Weighted Price **	\$41.24	\$30.80	\$32.06	\$25.06	\$21.28	\$25.05	\$32.53	\$25.34	\$21.50	\$20.43	\$26.64	\$29.05
Average Daily Energy Sendout/Month GWh	449	436	411	371	373	429	539	487	419	377	401	427

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

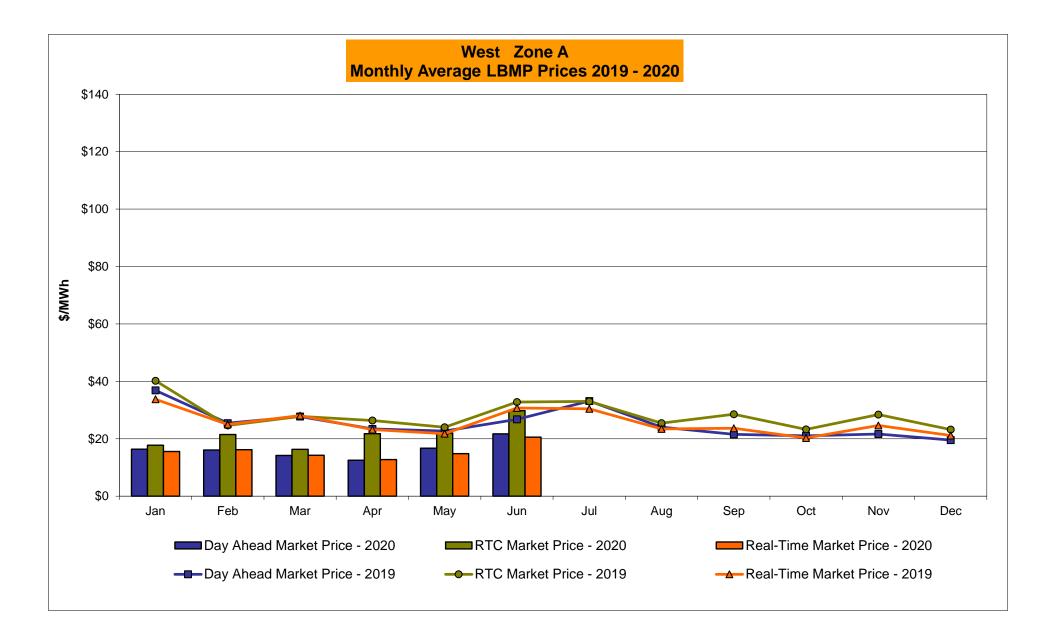


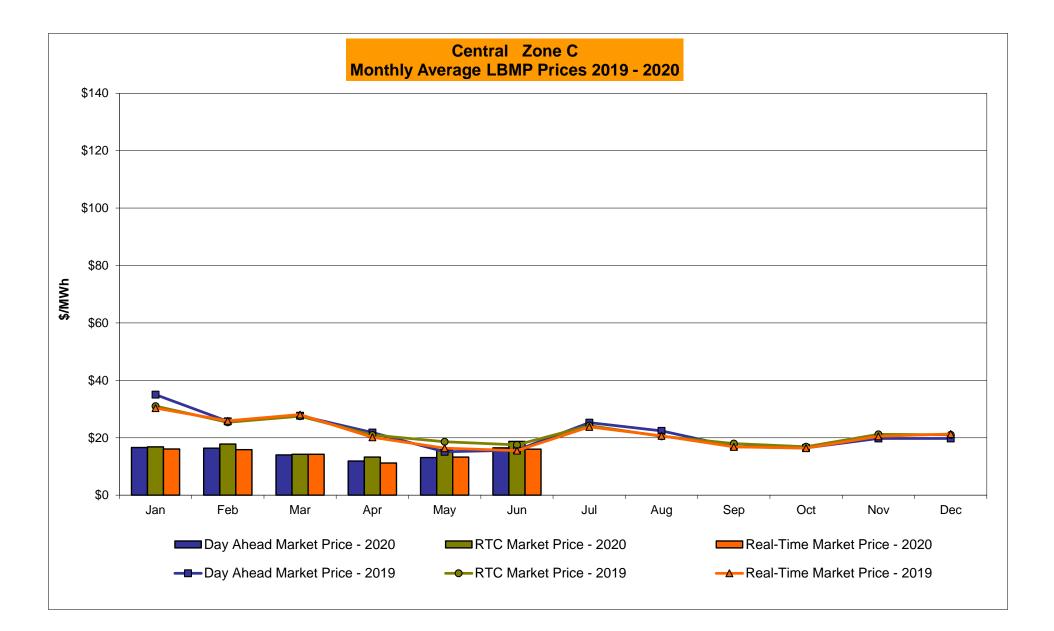
June 2020 Zonal LBMP Statistics for NYISO (\$/MWh)

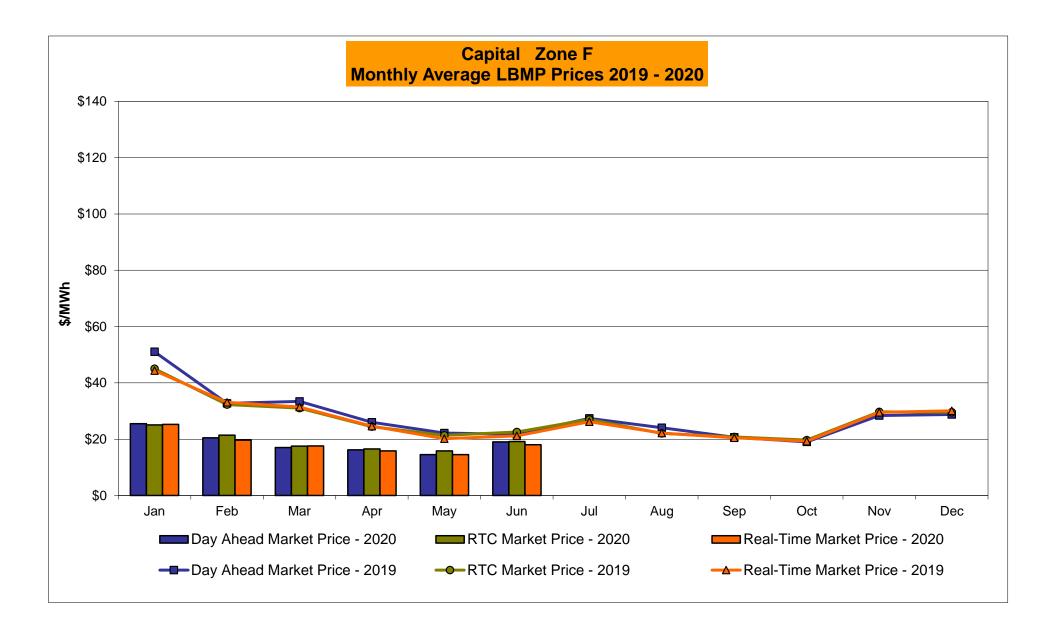
					MOHAWK		HUDSON			NEW YORK	LONG
	WEST	GENESEE	NORTH	CENTRAL	VALLEY	CAPITAL	VALLEY	MILLWOOD	DUNWOODIE	CITY	ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	<u>Zone K</u>
DAY AHEAD LBMP											
Unweighted Price *	21.69	15.72	10.08	16.46	16.05	19.02	18.61	18.89	18.99	19.78	22.27
Standard Deviation	12.20	6.13	5.67	6.21	5.93	5.30	5.39	5.65	5.72	6.33	7.26
RTC LBMP											
Unweighted Price *	29.81	18.21	12.87	18.70	17.38	19.19	18.95	19.12	19.17	19.71	24.86
Standard Deviation	39.20	25.90	9.99	16.05	9.30	6.73	6.91	6.96	6.97	7.61	25.83
REAL TIME LBMP											
Unweighted Price *	20.55	15.65	11.35	16.03	15.57	18.03	17.68	17.90	17.93	18.78	21.49
Standard Deviation	22.02	13.56	11.92	9.08	8.15	8.18	8.02	8.14	8.12	9.25	14.49

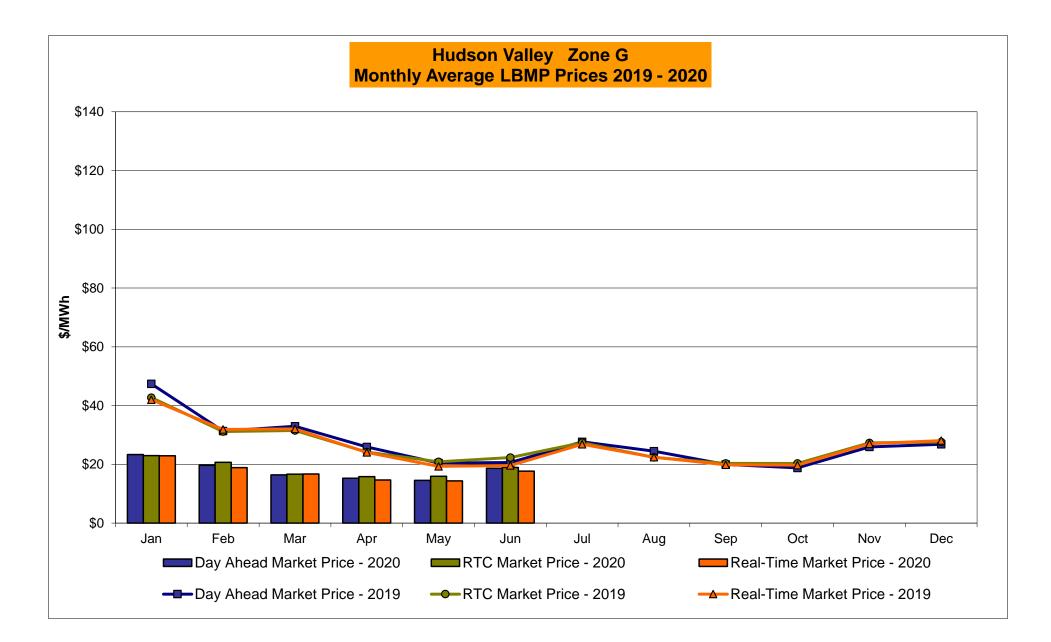
	ONTARIO	HYDRO QUEBEC	HYDRO QUEBEC		NEW	CROSS SOUND	NORTHPORT-				
	IESO		(Import/Export)	PJM	ENGLAND	CABLE	NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
						Controllable	Controllable	Controllable	<u>Controllable</u>	<u>Controllable</u>	Controllable
	Zone O	Zone M	Zone M	Zone P	Zone N	Line	<u>Line</u>	Line	<u>Line</u>	<u>Line</u>	<u>Line</u>
DAY AHEAD LBMP											
Unweighted Price *	12.99	13.52	13.52	12.99	18.97	17.95	21.84	21.03	10.04	19.23	21.30
Standard Deviation	4.73	4.95	4.95	4.73	5.23	6.08	7.20	6.22	5.49	5.76	7.00
RTC LBMP											
Unweighted Price *	12.25	13.80	13.80	12.25	20.45	19.87	25.19	22.46	12.86	19.04	22.30
Standard Deviation	9.87	7.97	7.97	9.87	9.08	11.75	28.89	23.49	9.99	6.42	23.50
REAL TIME LBMP											
Unweighted Price *	13.58	12.83	12.83	13.58	18.33	17.19	22.67	19.58	11.46	17.97	20.00
Standard Deviation	26.26	8.26	8.26	26.26	10.22	9.06	21.12	13.78	12.80	7.79	13.24

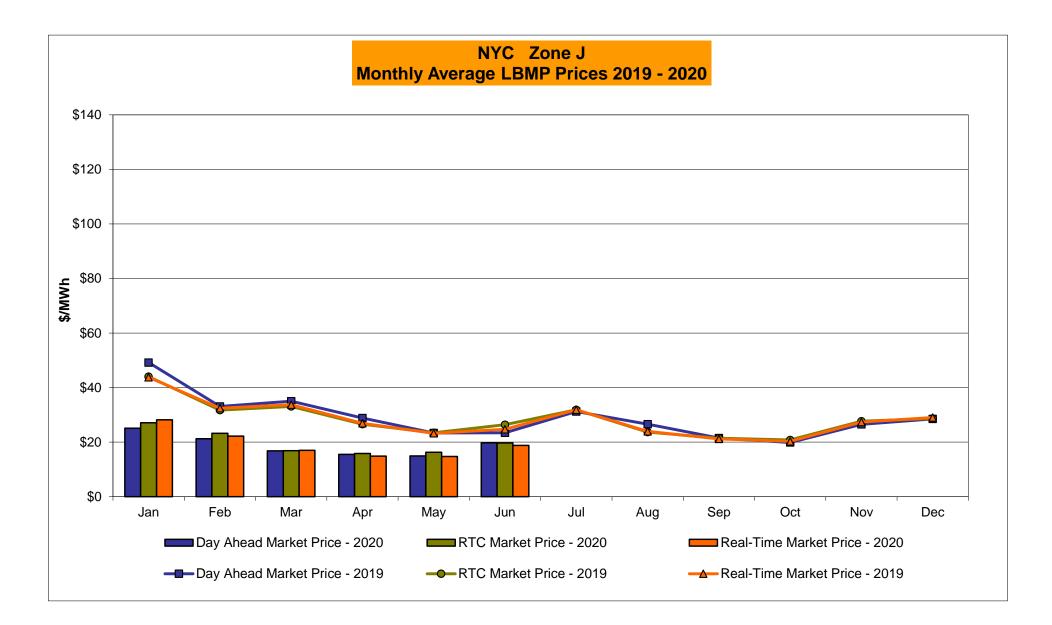
* Straight LBMP averages

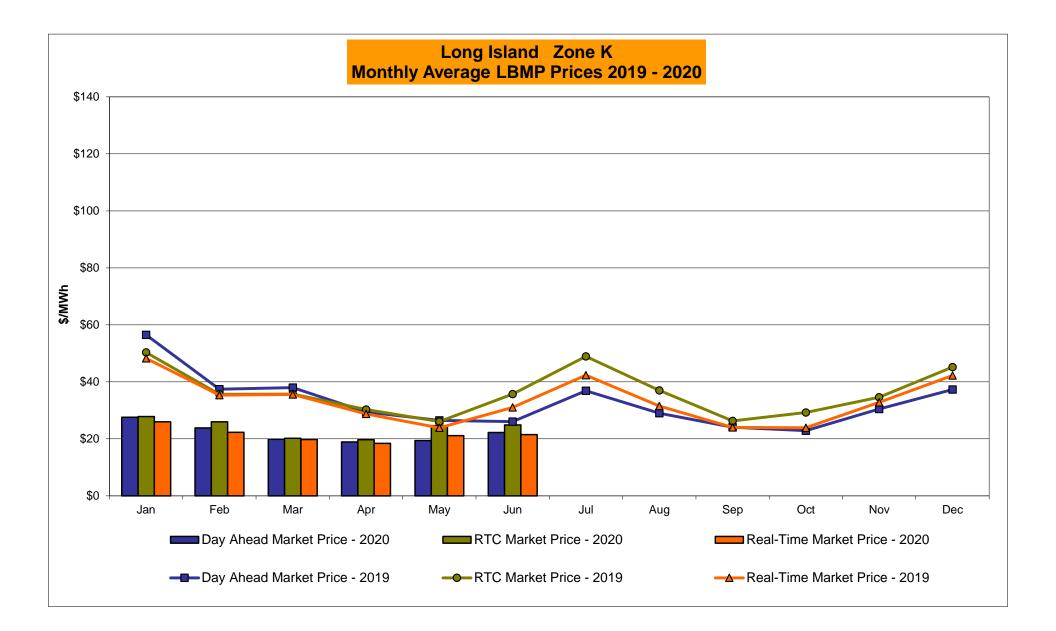


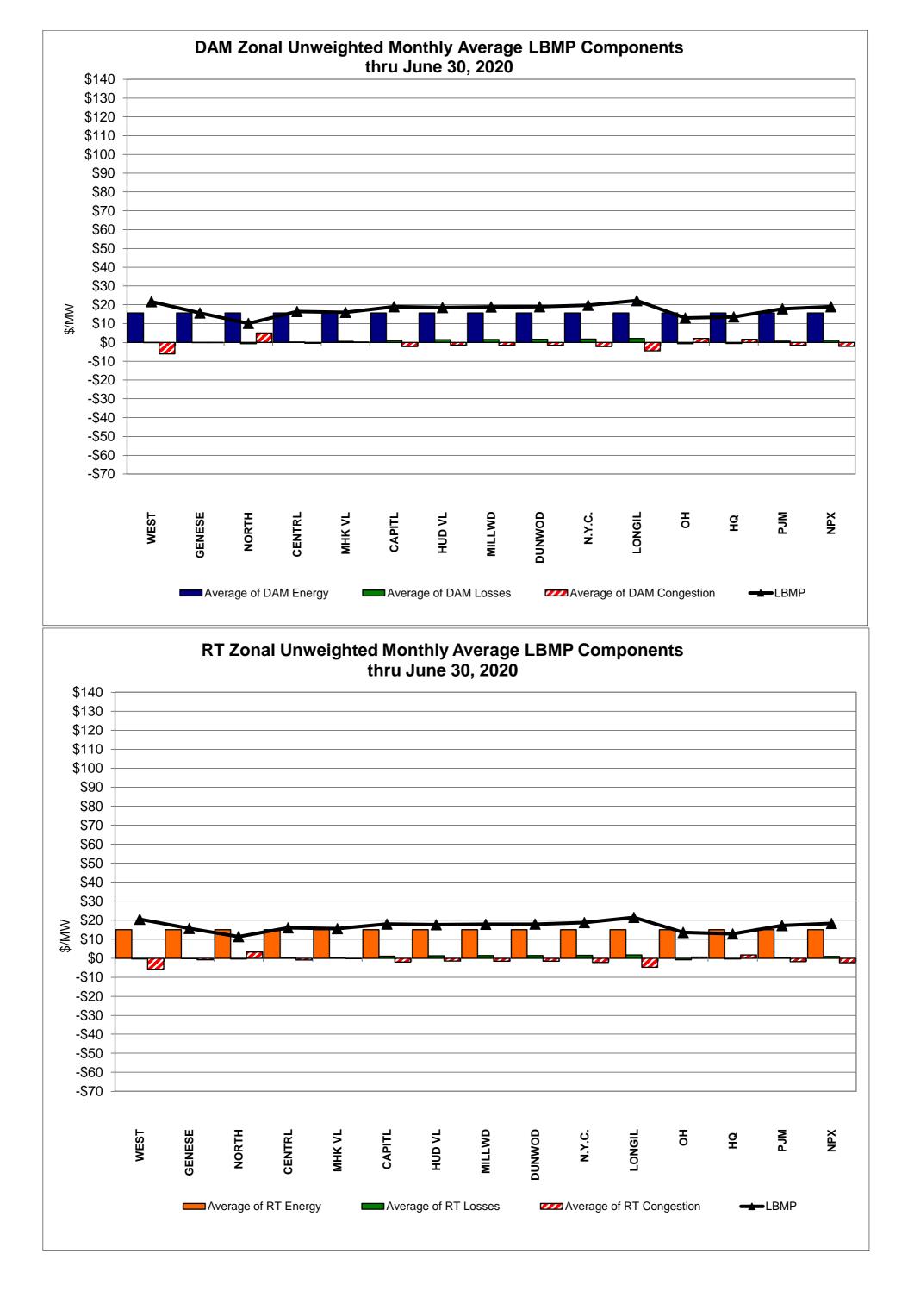




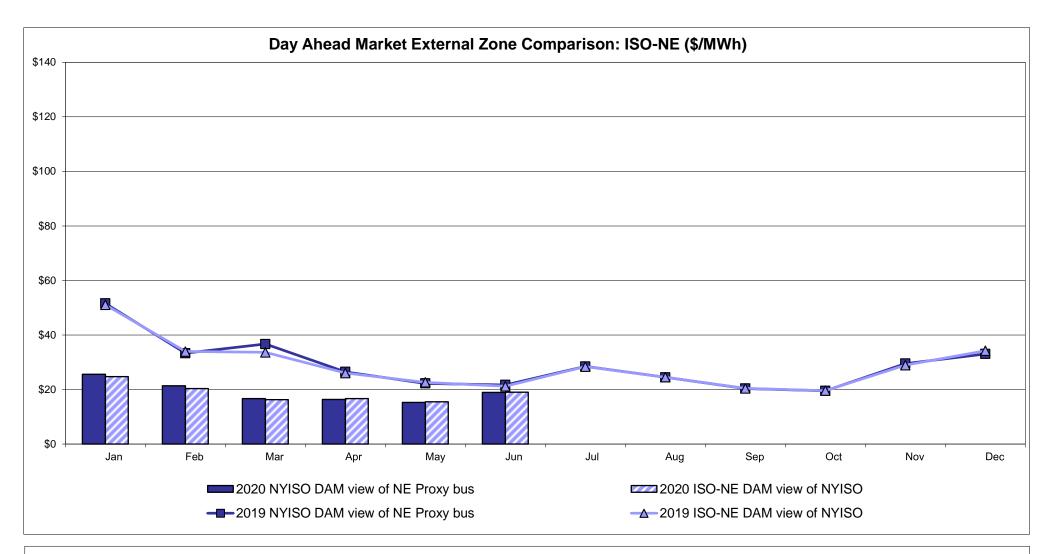


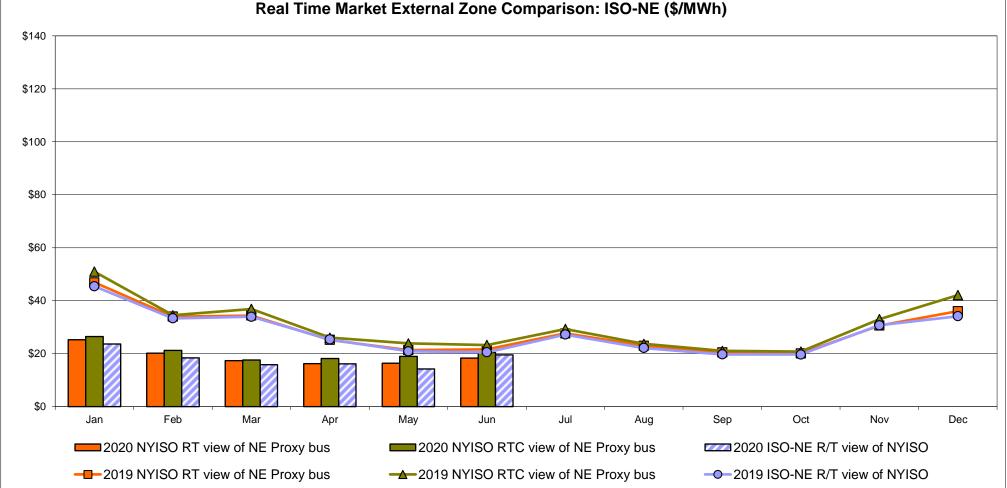


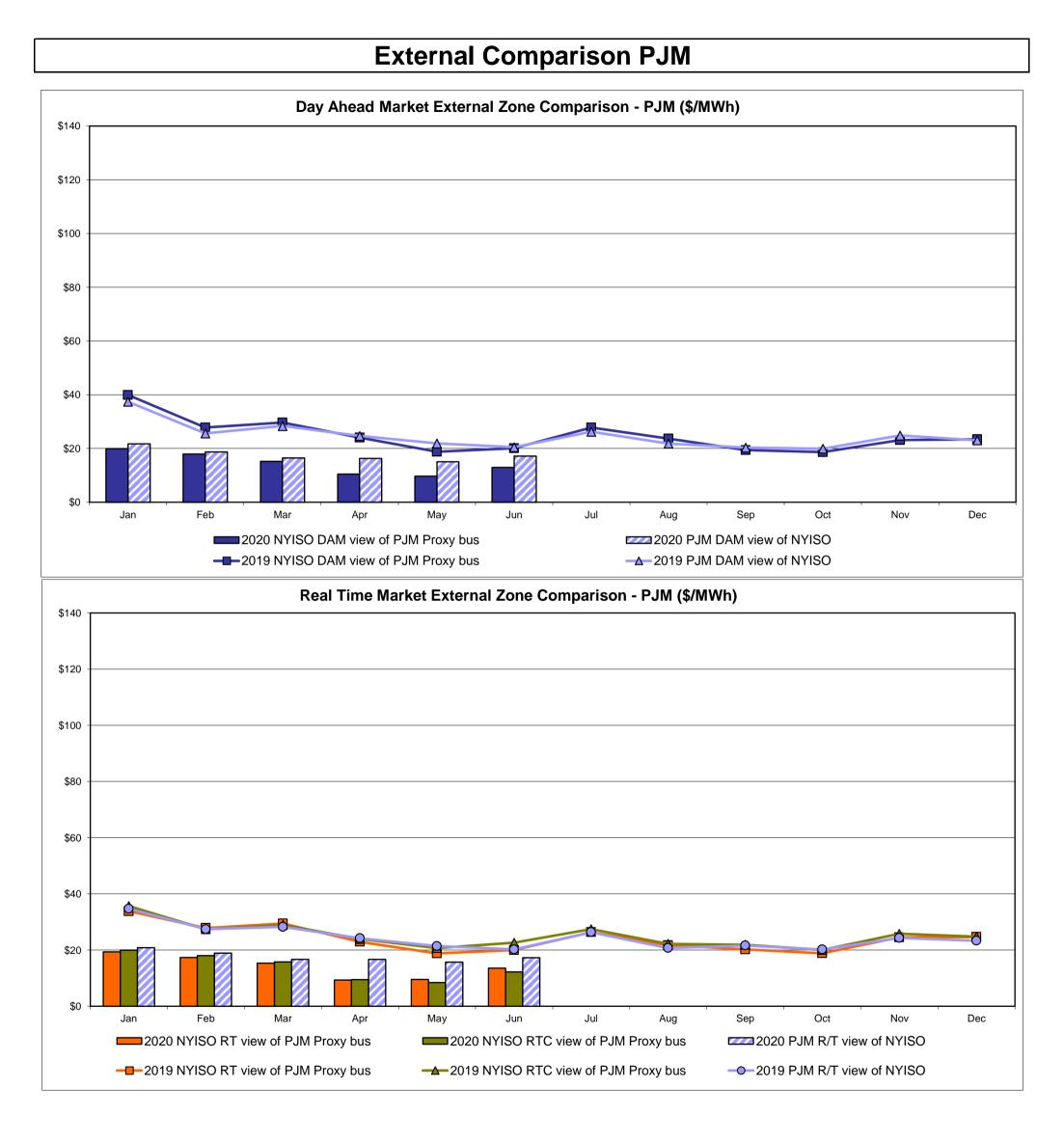




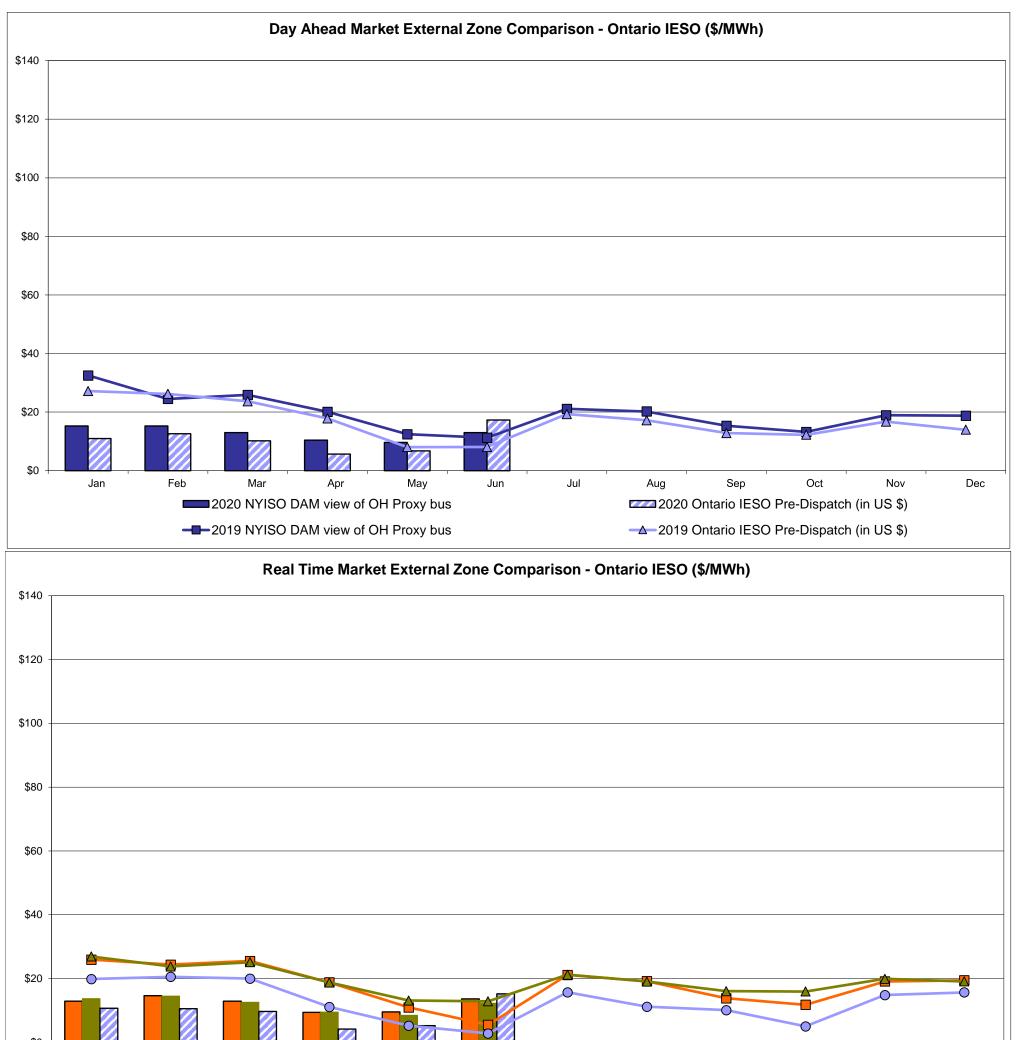
External Comparison ISO-New England







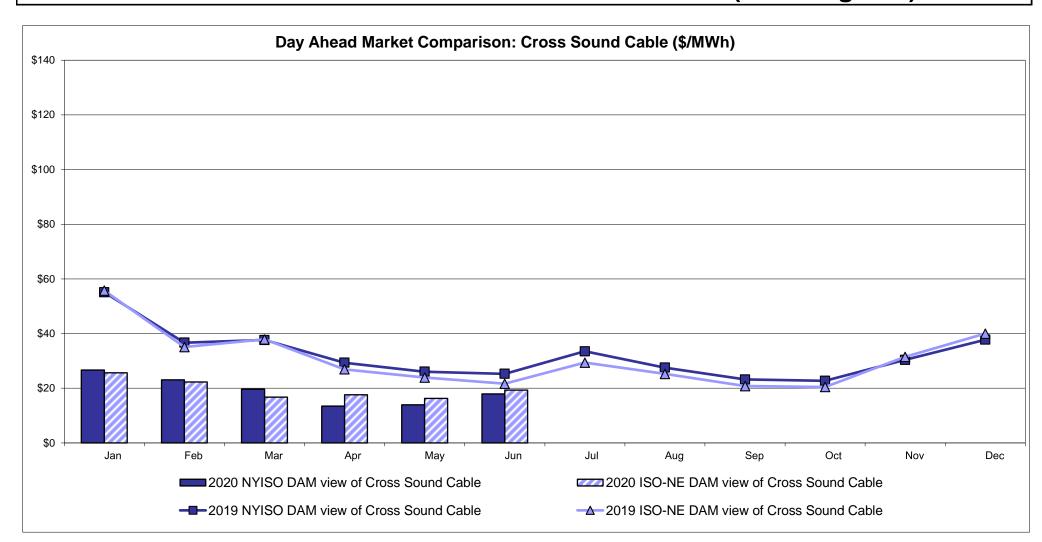
External Comparison Ontario IESO



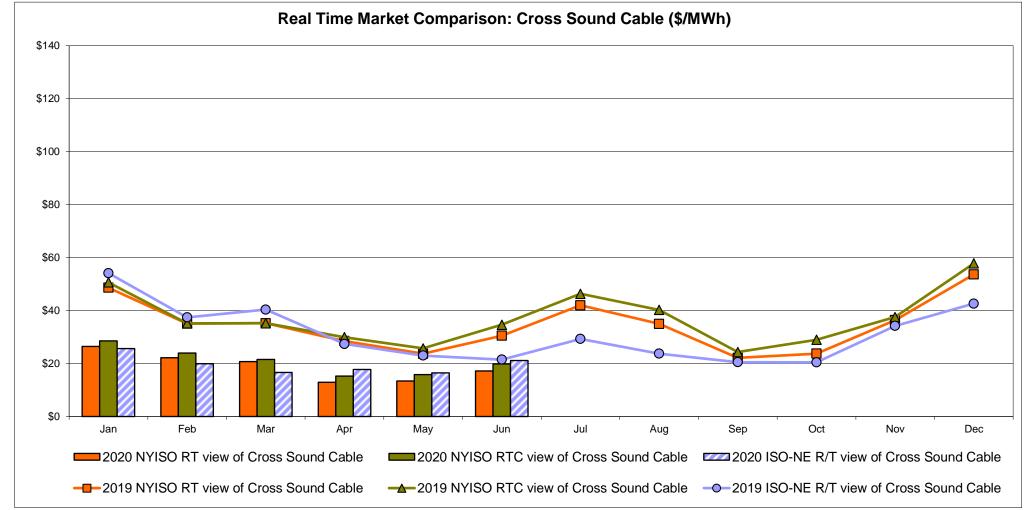


Notes: Exchange factor used for June 2020 was 1.3552 to US HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price

> Market Mitigation and Analysis Prepared: 7/10/2020 10:26 AM



External Controllable Line: Cross Sound Cable (New England)

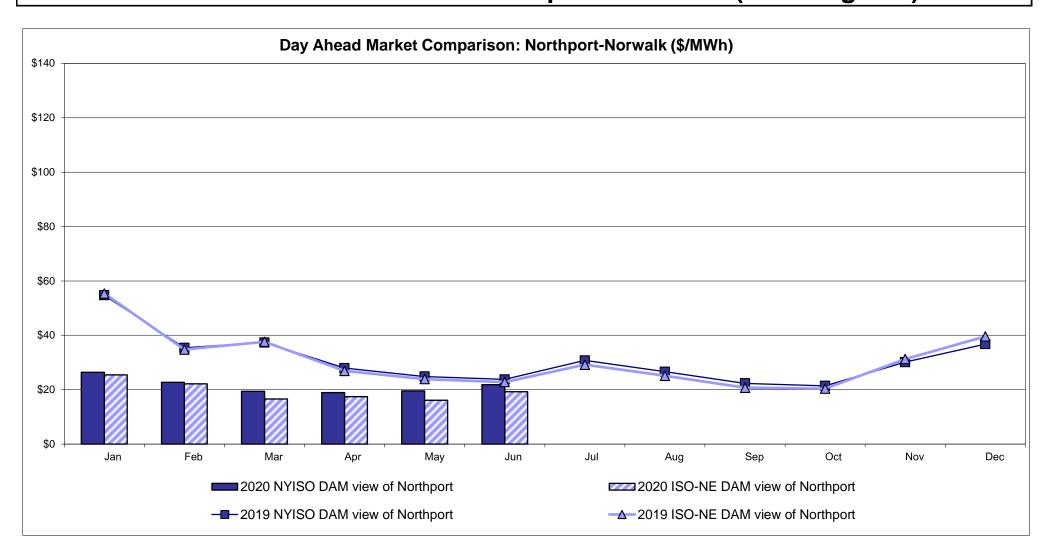


Note:

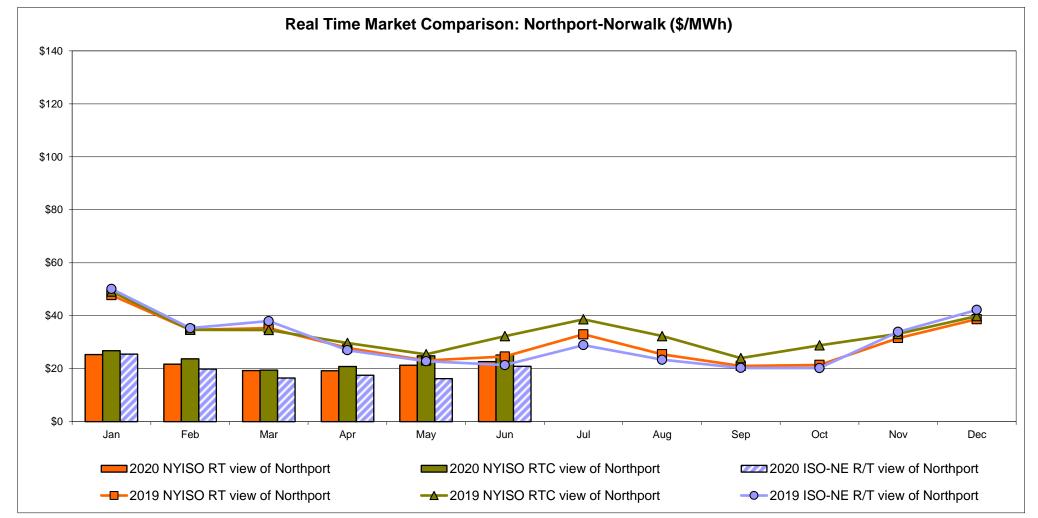
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)



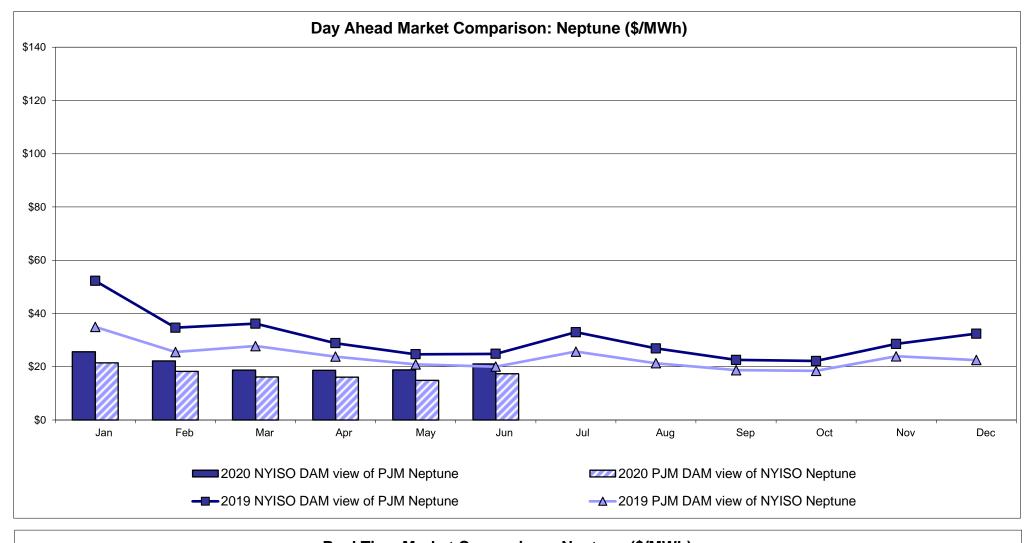
Note:

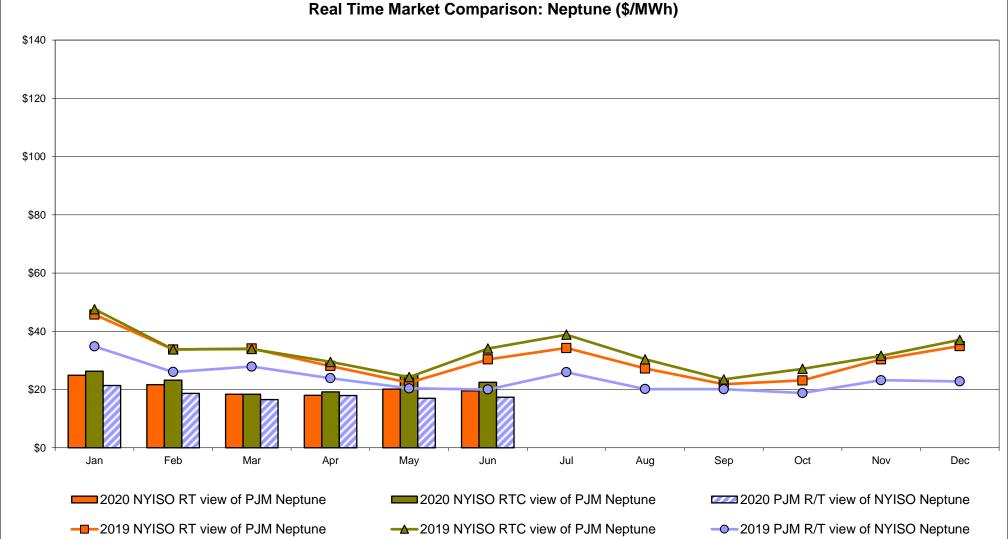
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

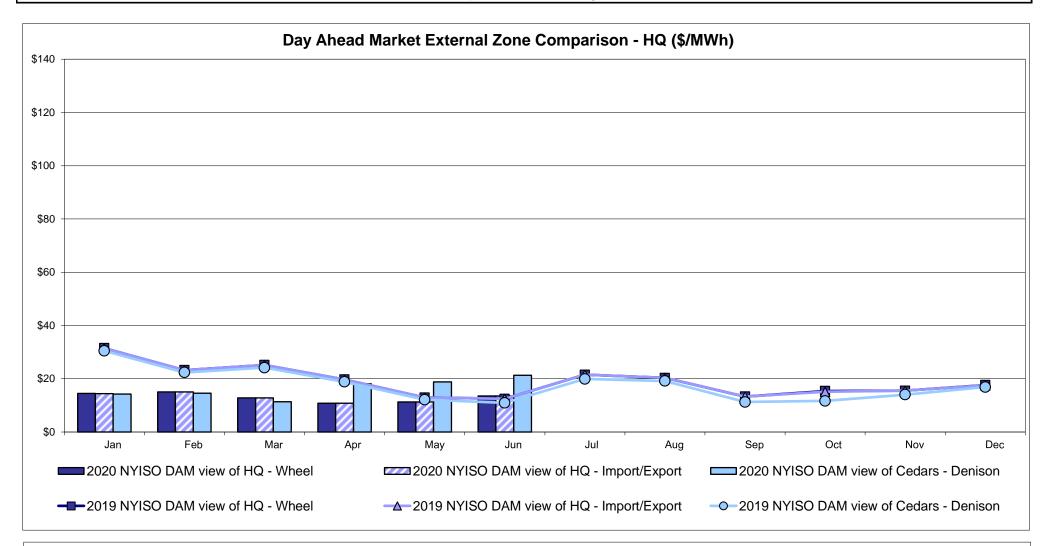
The DAM and R/T prices at the 1385 interface are used for NYISO.

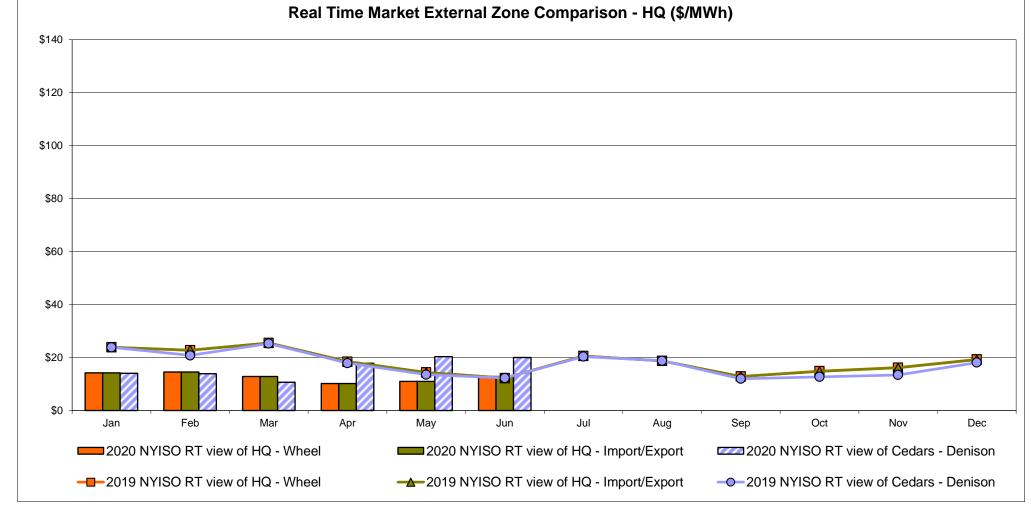
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

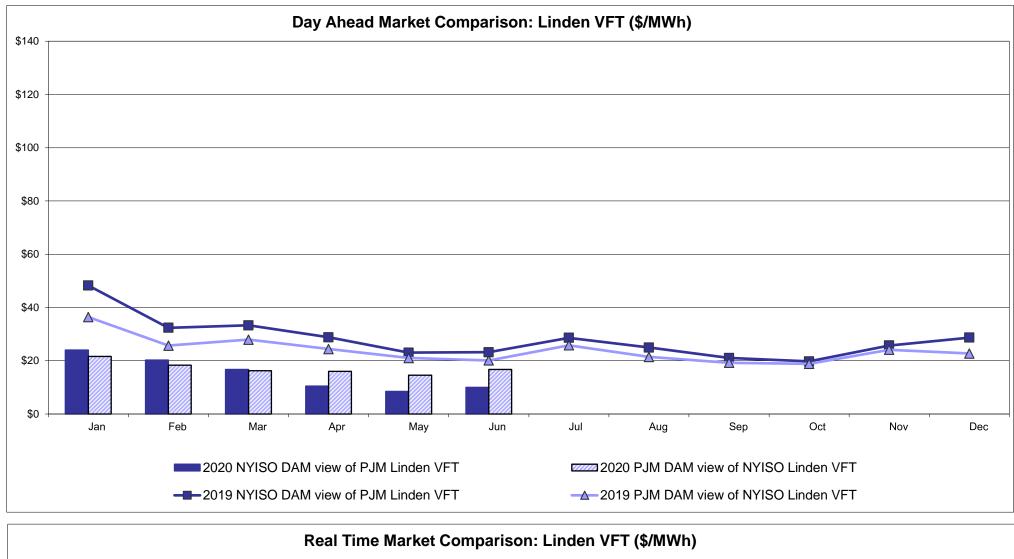


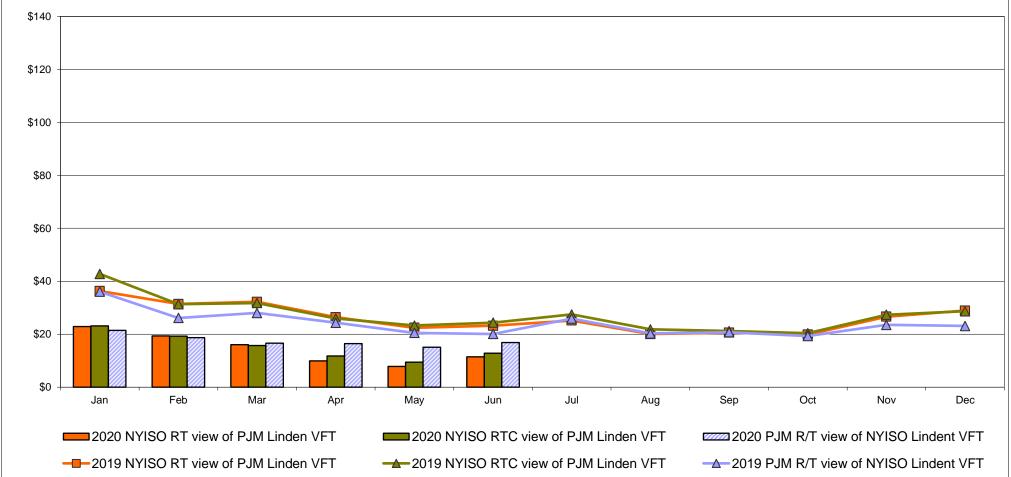


Note:

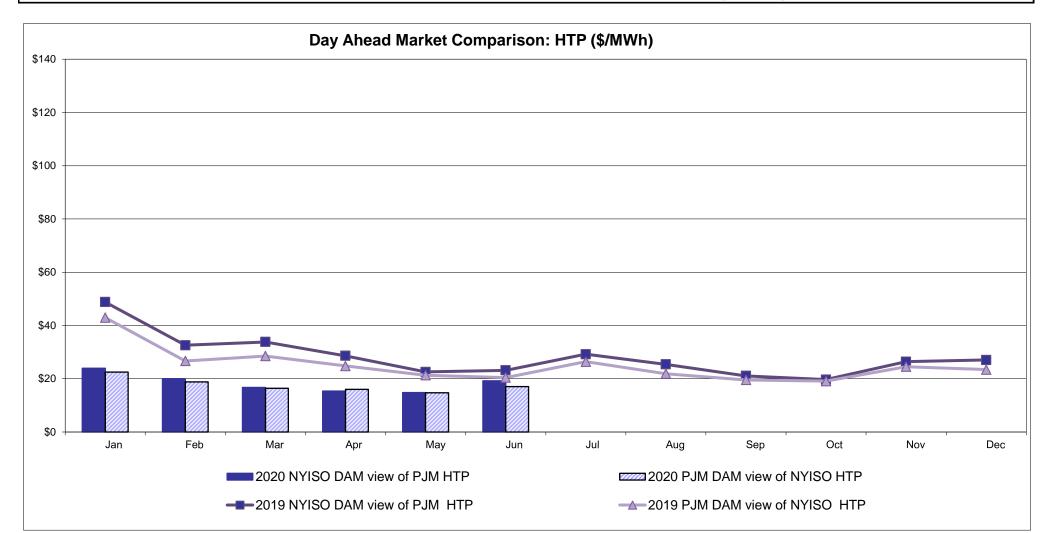
Hydro-Quebec Prices are unavailable.

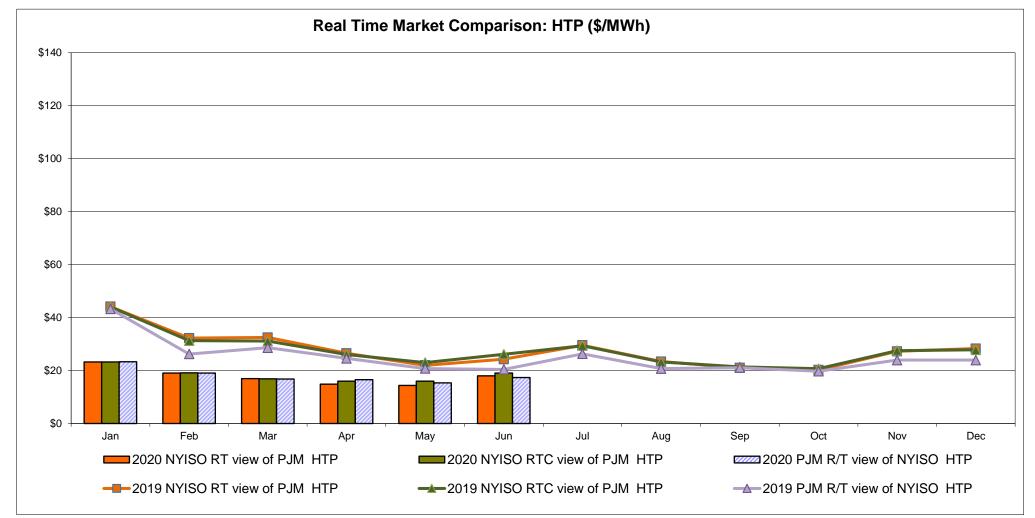
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)



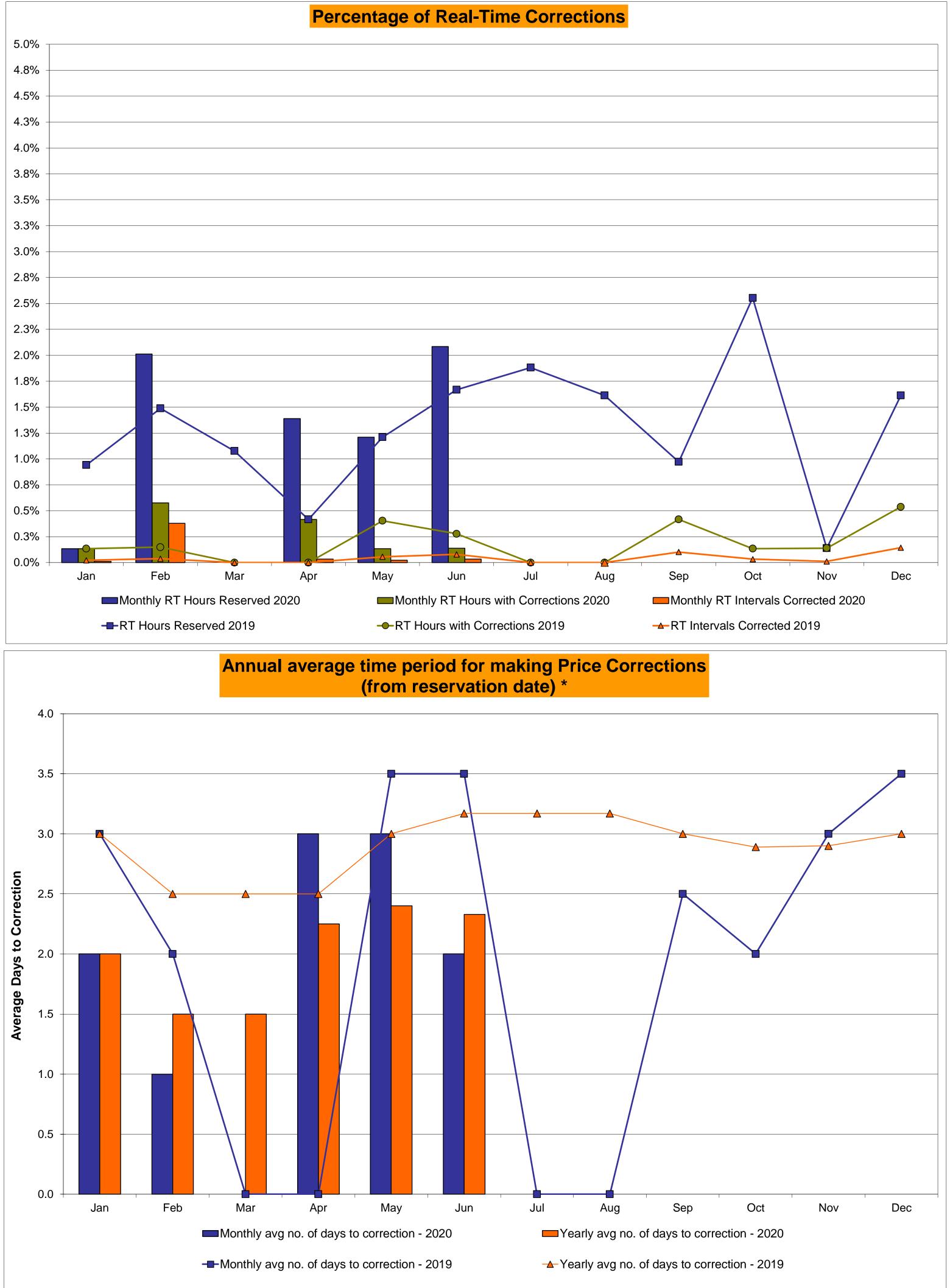


NYISO Real Time Price Correction Statistics

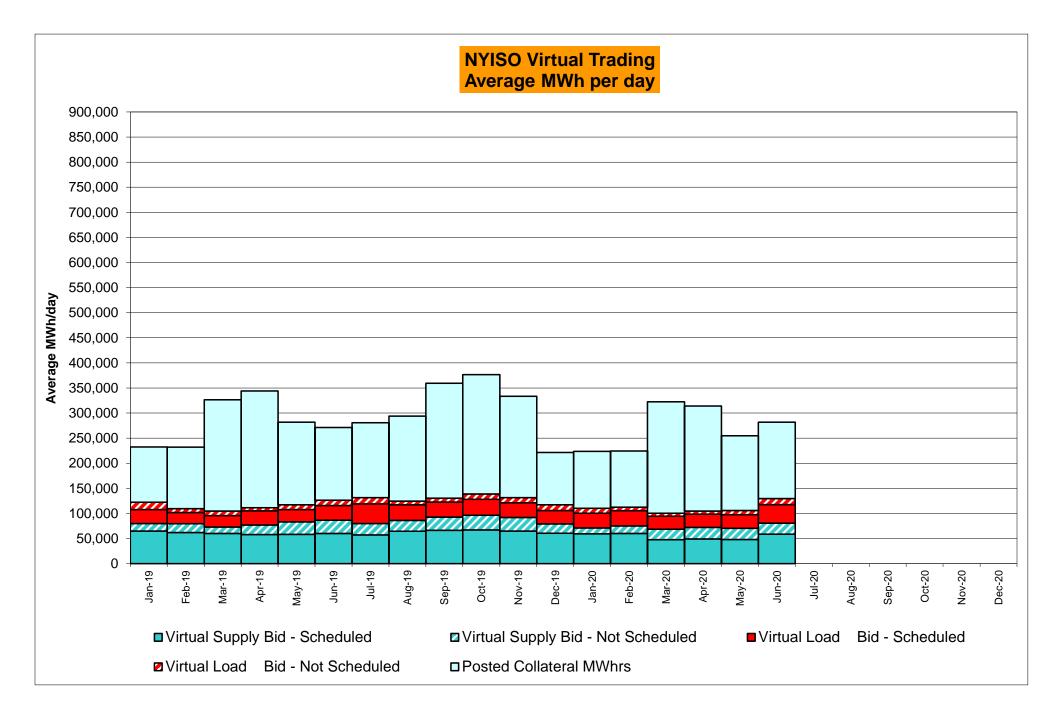
2020 Hour Corrections	January	February	March	<u>April</u>	May	June	<u>July</u>	August	<u>September</u>	<u>October</u>	November	<u>December</u>
	e month	1 4	0	3	1	1						
	e month 74		743	720	744	720						
		3% 0.57%		0.42%	0.13%	0.14%						
	to-date 0.1	3% 0.35%	0.23%	0.28%	0.25%	0.23%						
Interval Corrections				0	0							
	e month	32	0	3	2	3						
	e month 9,08	•	9,011	8,776	9,030	8,826						
% of intervals corrected in the	e month 0.0	1% 0.38%	0.00%	0.03%	0.02%	0.03%						
% of intervals corrected year-te	to-date 0.0	1% 0.19%	0.12%	0.10%	0.09%	0.08%						
Hours Reserved												
Number of hours reserved in the	e month	l 14	0	10	9	15						
Number of hours in the	e month 74	4 696	743	720	744	720						
% of hours reserved in the	e month 0.1	3% 2.01%	0.00%	1.39%	1.21%	2.08%						
% of hours reserved year-to	to-date 0.1	3% 1.04%	0.69%	0.86%	0.93%	1.12%						
Days to Correction *			010070	0.0070	010070	/0						
	e month 2.0) 1.00	0.00	3.00	3.00	2.00						
. .	to-date 2.0		1.50	2.25	2.40	2.33						
Days Without Corrections												
	e month 3) 28	31	28	30	29						
•	to-date 3		89	117	147	176						
- ,- · · · · · · · · · · · · · · · · · ·						-						
<u>2019</u>	January	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
2019 Hour Corrections	January	February	March	<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>
Hour Corrections	<u>January</u> e month	<u>February</u>	<u>March</u> 0	<u>April</u> 0	<u>May</u> 3	<u>June</u> 2	<u>July</u> 0	<u>August</u> 0	<u>September</u> 3	<u>October</u> 1	<u>November</u> 1	<u>December</u> 4
Hour Corrections Number of hours with corrections in the		l 1					-			<u>October</u> 1 744	<u>November</u> 1 721	
Hour CorrectionsNumber of hours with correctionsin theNumber of hoursin the	e month e month 74	I 1	0 743	0	3	2	0	0	3	1	1	4
Hour CorrectionsNumber of hours with correctionsin theNumber of hoursin the% of hours with correctionsin the	e month e month 74 e month 0.1	1 1 4 672 3% 0.15%	0 743 0.00%	0 720 0.00%	3 744 0.40%	2 720 0.28%	0 744 0.00%	0 744 0.00%	3 720 0.42%	1 744 0.13%	1 721 0.14%	4 744 0.54%
Hour CorrectionsNumber of hours with correctionsin theNumber of hoursin the% of hours with correctionsin the	e month e month 74 e month 0.1	1 1 1 672	0 743 0.00%	0 720	3 744	2 720	0 744	0 744	3 720	1 744	1 721	4 744
Hour CorrectionsNumber of hours with correctionsin theNumber of hoursin the% of hours with correctionsin the% of hours with correctionsyear-toInterval Correctionsyear-to	e month e month 74 e month 0.1 to-date 0.1	1 1 4 672 3% 0.15% 3% 0.14%	0 743 0.00%	0 720 0.00% 0.07%	3 744 0.40% 0.14%	2 720 0.28%	0 744 0.00%	0 744 0.00% 0.12%	3 720 0.42%	1 744 0.13%	1 721 0.14%	4 744 0.54% 0.18%
Hour CorrectionsNumber of hours with correctionsin theNumber of hoursin the% of hours with correctionsin the% of hours with correctionsyear-teMumber of intervals correctedin the	e month e month 74 e month 0.1 to-date 0.1	1 1 4 672 3% 0.15% <u>3% 0.14%</u> 2 3	0 743 0.00% <u>0.09%</u> 0	0 720 0.00% <u>0.07%</u> 0	3 744 0.40% <u>0.14%</u> 5	2 720 0.28% 0.16% 7	0 744 0.00% 0.14% 0	0 744 0.00% <u>0.12%</u> 0	3 720 0.42% <u>0.15%</u> 9	1 744 0.13% <u>0.15%</u> 3	1 721 0.14% <u>0.15%</u> 1	4 744 0.54% <u>0.18%</u> 13
Hour CorrectionsNumber of hours with correctionsin the in the % of hours with corrections% of hours with correctionsin the in the% of hours with correctionsyear-to year-toInterval Correctionsin the in the Number of intervals correctedNumber of intervalsin the in the	e month e month 74 e month 0.1 to-date 0.1 e month e month 9,07	1 1 4 672 3% 0.15% <u>3% 0.14%</u> 2 3	0 743 0.00% 0.09% 0 9,008	0 720 0.00% 0.07%	3 744 0.40% 0.14%	2 720 0.28% 0.16%	0 744 0.00% 0.14%	0 744 0.00% 0.12%	3 720 0.42% 0.15%	1 744 0.13% 0.15%	1 721 0.14% 0.15%	4 744 0.54% 0.18%
Hour CorrectionsNumber of hours with correctionsin theNumber of hoursin the% of hours with correctionsin the% of hours with correctionsyear-toMumber of hoursyear-toInterval Correctionsin theNumber of intervals correctedin the% of intervals correctedin the% of intervals correctedin the	e month e month 74 e month 0.1 to-date 0.1 e month e month 9,07 e month 0.0	1 1 4 672 3% 0.15% <u>3% 0.14%</u> 2 3 1 8,131 2% 0.04%	0 743 0.00% <u>0.09%</u> 0 9,008 0.00%	0 720 0.00% 0.07% 0 8,750 0.00%	3 744 0.40% <u>0.14%</u> 5 9,033 0.06%	2 720 0.28% 0.16% 7 8,863 0.08%	0 744 0.00% 0.14% 0 9,243 0.00%	0 744 0.00% 0.12% 0 9,048 0.00%	3 720 0.42% 0.15% 9 8,820 0.10%	1 744 0.13% <u>0.15%</u> 3 9,087 0.03%	1 721 0.14% <u>0.15%</u> 1 8,788 0.01%	4 744 0.54% <u>0.18%</u> 13 9,021 0.14%
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Hour CorrectionsNumber of hours with correctionsin theNumber of hoursin the% of hours with correctionsin the% of hours with correctionsyear-toMumber of intervals correctedin theNumber of intervalsin the% of intervals correctedin the% of intervals correctedyear-toHours ReservedIn theNumber of hours reservedin theNumber of hoursin the	e month e month 74 e month 0.1 to-date 0.1 e month 9,07 e month 0.0 to-date 0.0 e month 0.0	1 1 4 672 3% 0.15% 3% 0.14% 2 3 1 8,131 2% 0.04% 2% 0.03% 7 10 4 672	0 743 0.00% 0.09% 0 9,008 0.00% 0.02% 8 743	0 720 0.00% 0.07% 0 8,750 0.00% 0.01% 3 720	3 744 0.40% 0.14% 5 9,033 0.06% 0.02% 9 744	2 720 0.28% 0.16% 7 8,863 0.08% 0.03% 12 720	0 744 0.00% 0.14% 0 9,243 0.00% 0.03% 14 744	0 744 0.00% 0.12% 0 9,048 0.00% 0.02% 12 744	3 720 0.42% 0.15% 9 8,820 0.10% 0.03% 7 720	1 744 0.13% <u>0.15%</u> 3 9,087 0.03% 0.03% 19 744	1 721 0.14% 0.15% 1 8,788 0.01% 0.03% 1 721	4 744 0.54% <u>0.18%</u> 13 9,021 0.14% <u>0.04%</u> 12 744
Hour CorrectionsNumber of hours with correctionsin theNumber of hoursin the% of hours with correctionsin the% of hours with correctionsyear-toMumber of intervals correctedin theNumber of intervalsin the% of intervals correctedin theMumber of hours reservedin theNumber of hoursin the	e month e month 74 e month 0.1 to-date 0.1 e month 9,07 e month 0.0 to-date 0.0 e month 0.0	1 1 4 672 3% 0.15% <u>3% 0.14% 2 3 1 8,131 2% 0.04% 2% 0.03% 7 10 </u>	0 743 0.00% 0.09% 0 9,008 0.00% 0.02% 8 743	0 720 0.00% 0.07% 0 8,750 0.00% 0.01% 3	3 744 0.40% 0.14% 5 9,033 0.06% 0.02% 9	2 720 0.28% 0.16% 7 8,863 0.08% 0.03% 12	0 744 0.00% 0.14% 0 9,243 0.00% 0.03% 14	0 744 0.00% 0.12% 0 9,048 0.00% 0.02% 12	3 720 0.42% 0.15% 9 8,820 0.10% 0.03% 7	1 744 0.13% <u>0.15%</u> 3 9,087 0.03% <u>0.03%</u> 19	1 721 0.14% 0.15% 1 8,788 0.01% 0.03% 1	4 744 0.54% <u>0.18%</u> 13 9,021 0.14% <u>0.04%</u> 12
Hour CorrectionsNumber of hours with correctionsin theNumber of hoursin the% of hours with correctionsin the% of hours with correctionsyear-toInterval Correctionsyear-toInterval Correctionsin theNumber of intervals correctedin the% of intervals correctedin the% of intervals correctedin the% of intervals correctedin the% of intervals correctedyear-toHours Reservedin theNumber of hours reservedin the% of hours reservedin the% of hours reservedin the% of hours reservedin the% of hours reservedin the	e month e month 74 e month 0.1 to-date 0.1 e month 9,07 e month 0.0 to-date 0.0 e month 0.0 e month 74 e month 74 e month 0.9	1 1 4 672 3% 0.15% 3% 0.14% 2 3 1 8,131 2% 0.04% 2% 0.03% 7 10 4 672	0 743 0.00% 0.09% 0 9,008 0.00% 0.02% 8 743 1.08%	0 720 0.00% 0.07% 0 8,750 0.00% 0.01% 3 720	3 744 0.40% 0.14% 5 9,033 0.06% 0.02% 9 744	2 720 0.28% 0.16% 7 8,863 0.08% 0.03% 12 720	0 744 0.00% 0.14% 0 9,243 0.00% 0.03% 14 744	0 744 0.00% 0.12% 0 9,048 0.00% 0.02% 12 744	3 720 0.42% 0.15% 9 8,820 0.10% 0.03% 7 720	1 744 0.13% <u>0.15%</u> 3 9,087 0.03% 0.03% 19 744	1 721 0.14% 0.15% 1 8,788 0.01% 0.03% 1 721	4 744 0.54% <u>0.18%</u> 13 9,021 0.14% <u>0.04%</u> 12 744
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Hour CorrectionsNumber of hours with correctionsin theNumber of hours with correctionsin the% of hours with correctionsyear-to% of hours with correctionsyear-toInterval Correctionsyear-toNumber of intervals correctedin theNumber of intervals correctedin the% of intervals correctedin the% of intervals correctedyear-toHours Reservedin theNumber of hours reservedin the% of hoursin the% of hoursin the% of hoursin the% of hours	e month e month 74 e month 0.1 to-date 0.1 e month $9,07$ e month $9,07$ e month 0.0 to-date 0.0 e month 74 e month 74 e month 74 e month 0.9 e month 0.9 e month 3.0	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0 743 0.00% 0.09% 0 9,008 0.00% 0.02% 8 743 1.08% 1.16% 0.00	0 720 0.00% 0.07% 0 8,750 0.00% 0.01% 3 720 0.42% 0.97% 0.00	3 744 0.40% 0.14% 5 9,033 0.06% 0.02% 9 744 1.21% 1.02% 3.50	2 720 0.28% 0.16% 7 8,863 0.08% 0.03% 12 720 1.67% 1.13% 3.50	0 744 0.00% 0.14% 0 9,243 0.00% 0.03% 14 744 1.88% 1.24% 0.00	0 744 0.00% 0.12% 0 9,048 0.00% 0.02% 12 744 1.61% 1.29% 0.00	3 720 0.42% 0.15% 9 8,820 0.10% 0.03% 7 720 0.97% 1.25% 2.50	1 744 0.13% 0.15% 3 9,087 0.03% 0.03% 0.03% 19 744 2.55% 1.38% 2.00	1 721 0.14% 0.15% 1 8,788 0.01% 0.03% 1 721 0.14% 1.27% 3.00	4 744 0.54% <u>0.18%</u> 13 9,021 0.14% <u>0.04%</u> 12 744 1.61% <u>1.30%</u> 3.50
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Hour CorrectionsNumber of hours with correctionsin theNumber of hours with correctionsin the% of hours with correctionsyear-toMeter of hours with correctionsyear-toNumber of intervals correctedin theNumber of intervals correctedin the% of intervals correctedin the% of intervals correctedyear-toMumber of hours reservedin the% of intervals correctedyear-toHours Reservedin theNumber of hours reservedin the% of hours reservedyear-toDays to Correction *in theAvg. number of days to correctionin theDays without correctionsin the	e month e month 74 e month 0.1 to-date 0.1 e month $9,07$ e month $9,07$ e month 0.0 to-date 0.0 e month 74 e month 74 e month 74 e month 0.9 e month 0.9 e month 3.0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 743 0.00% 0.09% 0 9,008 0.00% 0.02% 8 743 1.08% 1.16% 0.00	0 720 0.00% 0.07% 0 8,750 0.00% 0.01% 3 720 0.42% 0.97% 0.00	3 744 0.40% 0.14% 5 9,033 0.06% 0.02% 9 744 1.21% 1.02% 3.50	2 720 0.28% 0.16% 7 8,863 0.08% 0.03% 12 720 1.67% 1.13% 3.50	0 744 0.00% 0.14% 0 9,243 0.00% 0.03% 14 744 1.88% 1.24% 0.00	0 744 0.00% 0.12% 0 9,048 0.00% 0.02% 12 744 1.61% 1.29% 0.00	3 720 0.42% 0.15% 9 8,820 0.10% 0.03% 7 720 0.97% 1.25% 2.50	1 744 0.13% 0.15% 3 9,087 0.03% 0.03% 0.03% 19 744 2.55% 1.38% 2.00	1 721 0.14% 0.15% 1 8,788 0.01% 0.03% 1 721 0.14% 1.27% 3.00	4 744 0.54% <u>0.18%</u> 13 9,021 0.14% <u>0.04%</u> 12 744 1.61% <u>1.30%</u> 3.50

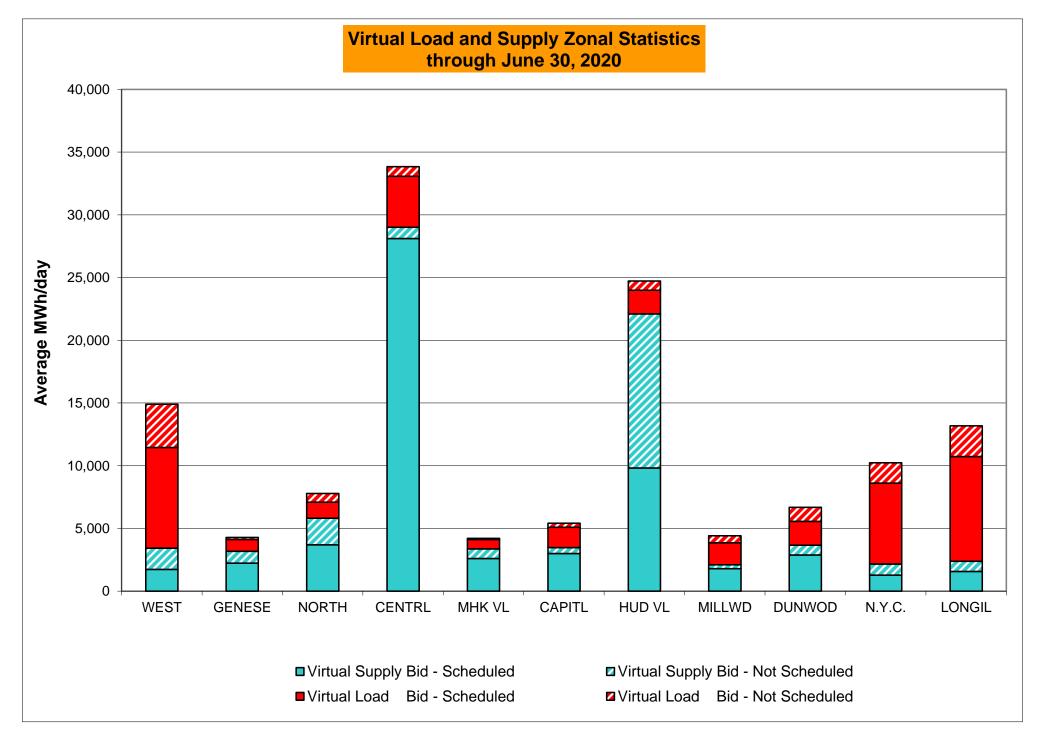
*Calendar days from reservation date; for June 2018 forward, business days from market date

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



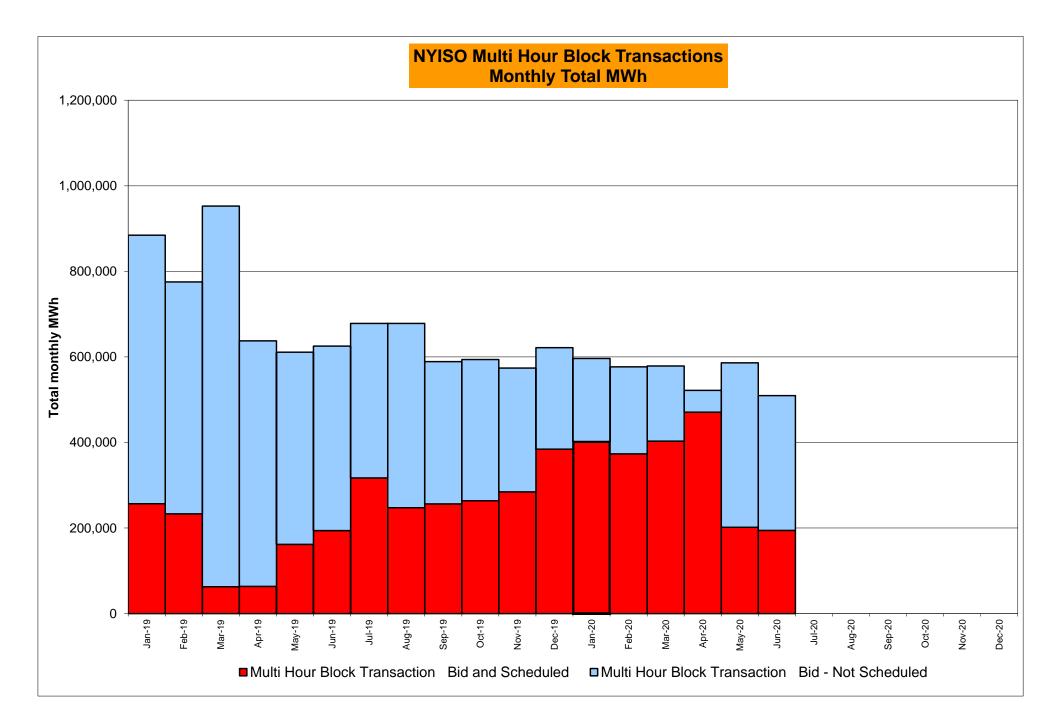
*Calendar days from reservation date; for June 2018 forward, business days from market date

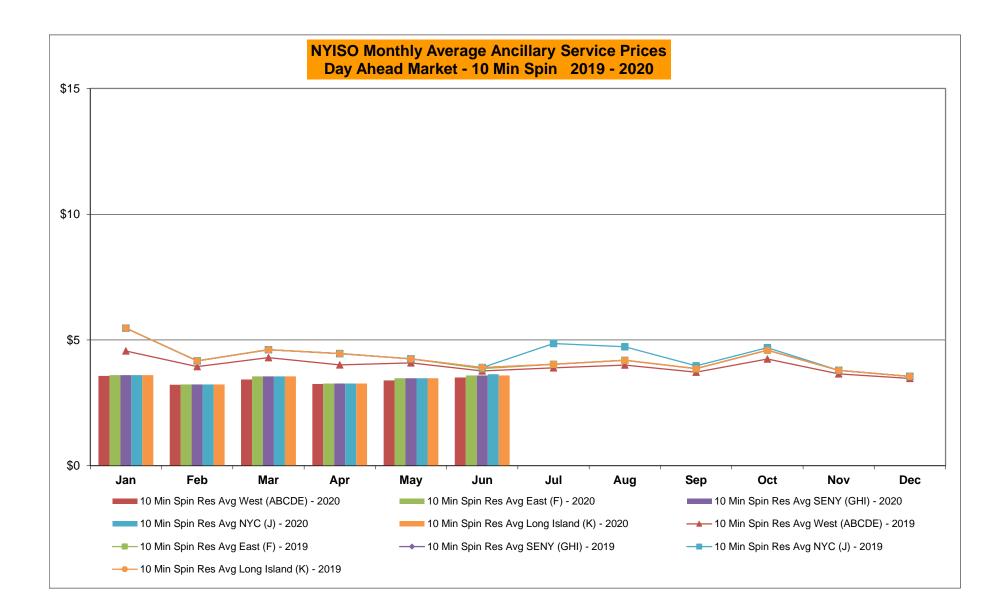


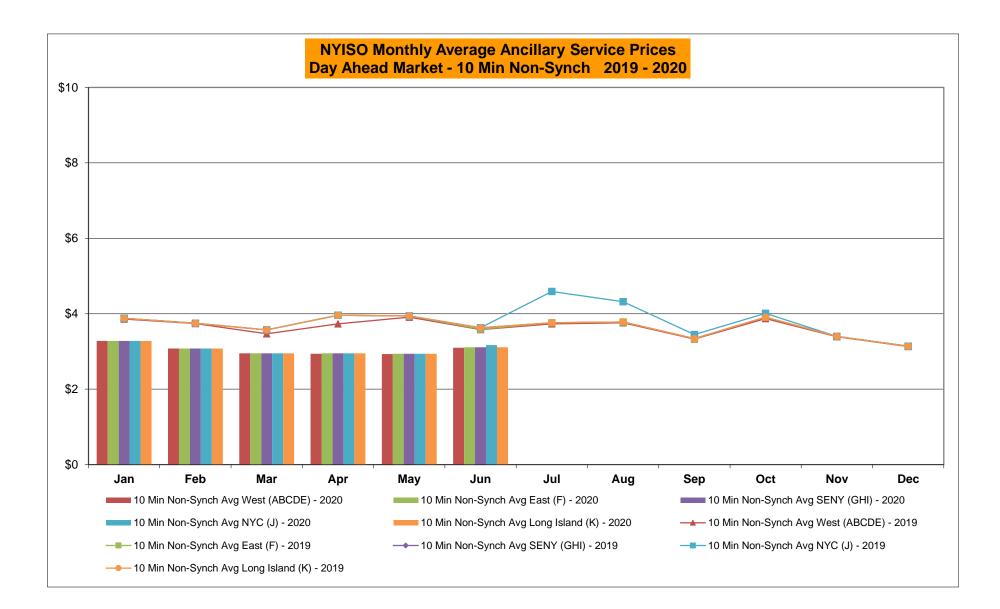


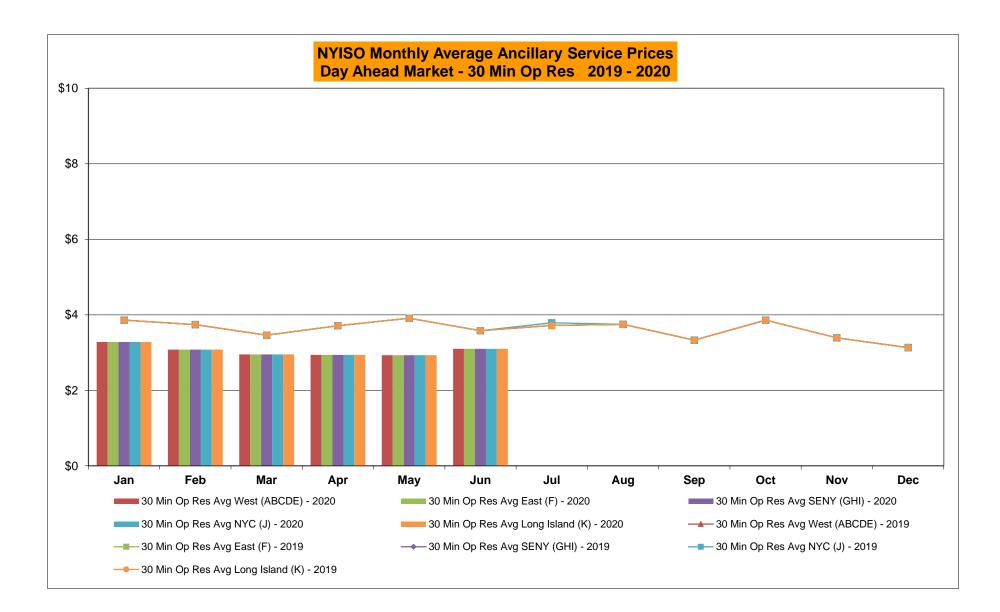
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2020

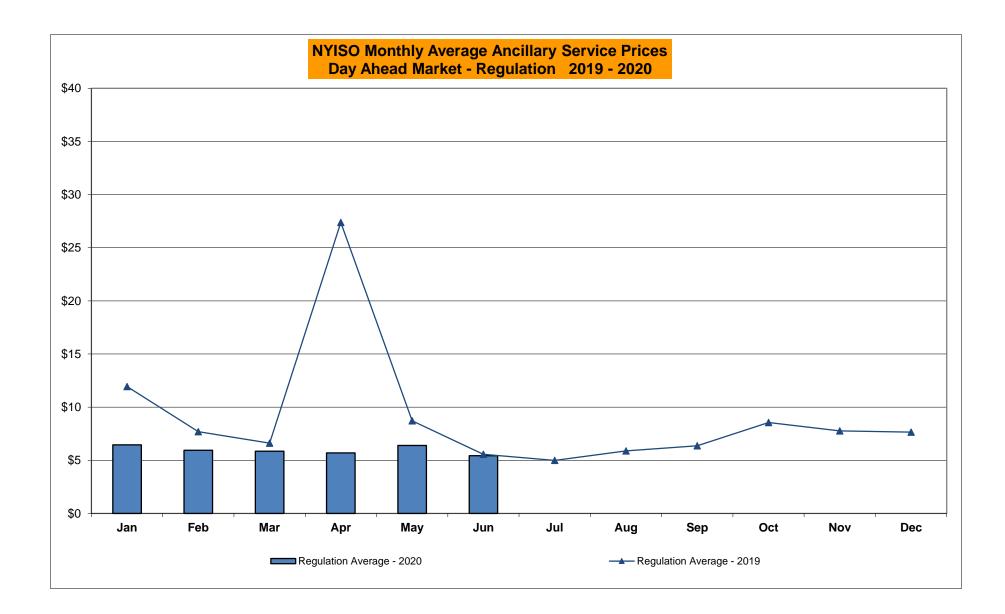
		Virtual L	.oad Bid	Virtual So	upply Bid			Virtual L	.oad Bid	Virtual Su	Ipply Bid			Virtual L	oad Bid	Virtual Su	upply Bid
			Not		Not				Not		Not				Not		Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date		Scheduled	Scheduled	Scheduled
NEST	Jan-20		1,328	1,765	984	MHK VL	Jan-20			2,155	793	DUNWOD	Jan-20		241	3,191	370
	Feb-20			2,597	947		Feb-20			2,339	504		Feb-20		298	3,782	
	Mar-20	9,155		1,637	1,236		Mar-20		97	2,455	542		Mar-20		109	3,143	
	Apr-20	10,056		1,542	1,018		Apr-20		86	2,599	888		Apr-20		423	2,336	
	May-20	7,943		2,105	3,397		May-20			1,878	287		May-20		196	2,373	323 789
	Jun-20 Jul-20		3,448	1,729	1,706		Jun-20 Jul-20		100	2,597	770		Jun-20 Jul-20		1,124	2,881	/85
	Aug-20						Aug-20						Aug-20				
	Sep-20						Sep-20						Sep-20				
	Oct-20						Oct-20						Oct-20				
	Nov-20						Nov-20						Nov-20				
	Dec-20						Dec-20						Dec-20				
	000 20						00020						00020				
GENESE	Jan-20	553	131	1,749	995	CAPITL	Jan-20	1,772	539	3,324	1,235	N.Y.C.	Jan-20	6,699	2,678	2,148	1,639
	Feb-20		79		640		Feb-20			3,149	673		Feb-20		1,841	1,316	
	Mar-20	397	46	2,294	550		Mar-20	1,446	443	3,181	837		Mar-20	4,317	1,126	1,676	2,571
	Apr-20			2,940	622		Apr-20		825	3,335	928		Apr-20		546	1,864	2,269
	May-20	356		2,051	618		May-20			2,597	541		May-20		548	1,692	1,049
	Jun-20		163	2,238	939		Jun-20		328	2,994	472		Jun-20		1,621	1,273	889
	Jul-20						Jul-20						Jul-20				
	Aug-20						Aug-20						Aug-20				
	Sep-20						Sep-20						Sep-20				
	Oct-20						Oct-20						Oct-20				
	Nov-20 Dec-20						Nov-20 Dec-20						Nov-20 Dec-20				
	Dec-20						Dec-20						Dec-20				
NORTH	Jan-20	811	206	5,038	1,765	HUD VL	Jan-20	891	1,274	7,573	2,206	LONGIL	Jan-20	5,640	2,824	2,246	1,109
	Feb-20	402		5,144	2,014		Feb-20			8,517	5,838		Feb-20		1,683	1,678	
	Mar-20			5,075	2,315		Mar-20	944	634	6,811	10,029		Mar-20	5,402	1,429	1,602	
	Apr-20	321	210	5,153	2,057		Apr-20	1,001	813	5,955	12,414		Apr-20	5,033	1,036	1,620	1,672
	May-20			3,547	1,757		May-20				12,839		May-20		2,125	1,844	
	Jun-20		696	3,692	2,128		Jun-20		745	9,825	12,284		Jun-20		2,434	1,568	809
	Jul-20						Jul-20						Jul-20				
	Aug-20						Aug-20						Aug-20				
	Sep-20						Sep-20						Sep-20				
	Oct-20						Oct-20						Oct-20				
	Nov-20						Nov-20						Nov-20				
	Dec-20						Dec-20						Dec-20				
CENTRL	Jan-20	3,050	214	28,503	541	MILLWD	Jan-20	270	68	1,646	213	NYISO	Jan-20	29,361	9,580	59,340	11,849
	Feb-20		118	27,919	487		Feb-20		68	1,811	229		Feb-20		6,838	60,334	
	Mar-20			17,986	481		Mar-20				174		Mar-20		6,087	47,704	
	Apr-20			20,490	491		Apr-20			1,510	90		Apr-20	,	6,200	49,344	
	May-20		296	22,414	414		May-20	502		1,442	76		May-20		8,140	47,941	22,346
	Jun-20		770	28,114	903		Jun-20		558	1,789	312		Jun-20		11,988	58,701	22,003
	Jul-20						Jul-20						Jul-20				
	Aug-20						Aug-20						Aug-20				
	Sep-20						Sep-20						Sep-20				
	Oct-20						Oct-20						Oct-20				
	Nov-20						Nov-20						Nov-20				
	Dec-20						Dec-20						Dec-20				

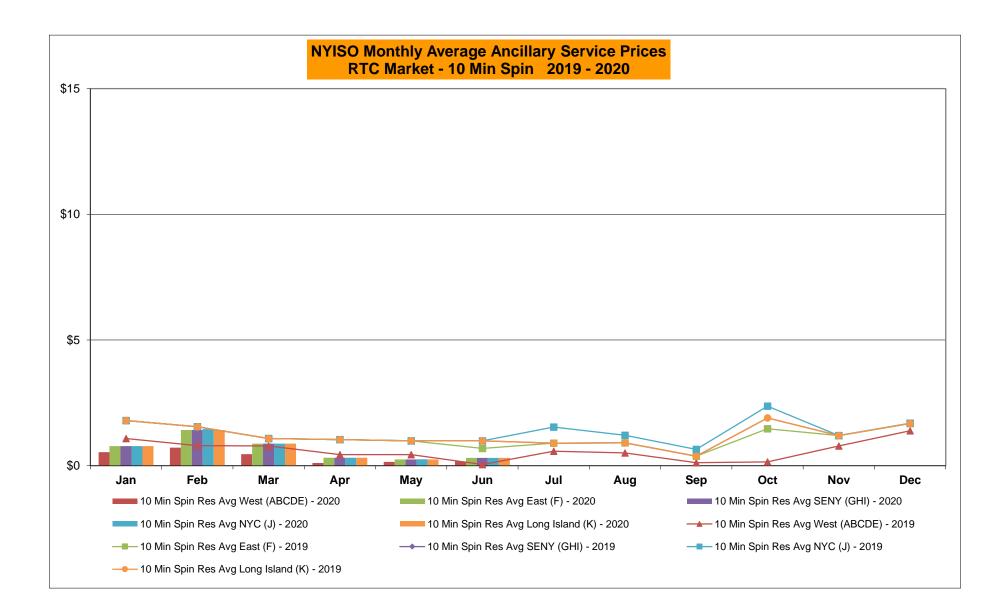


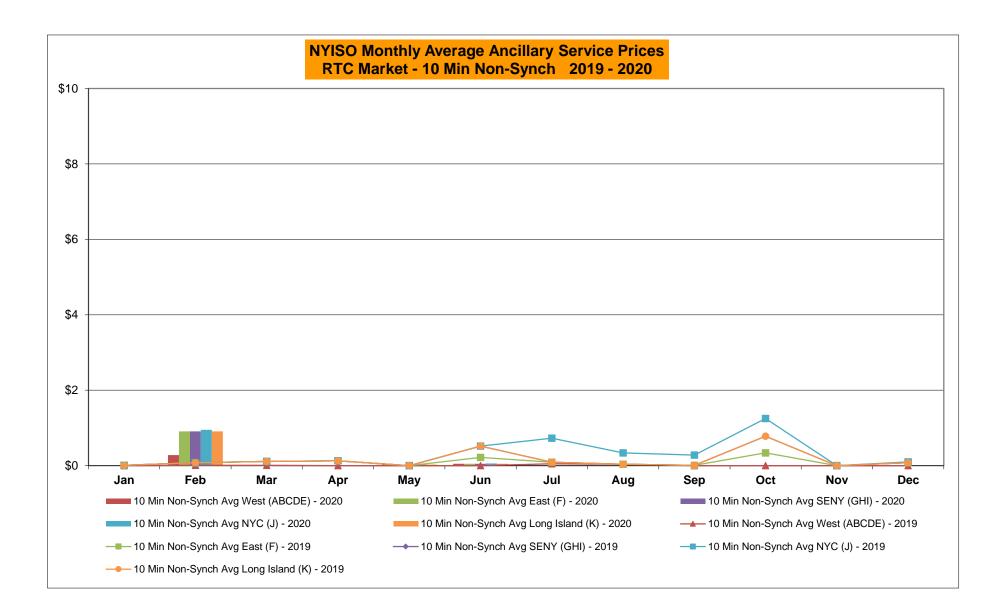


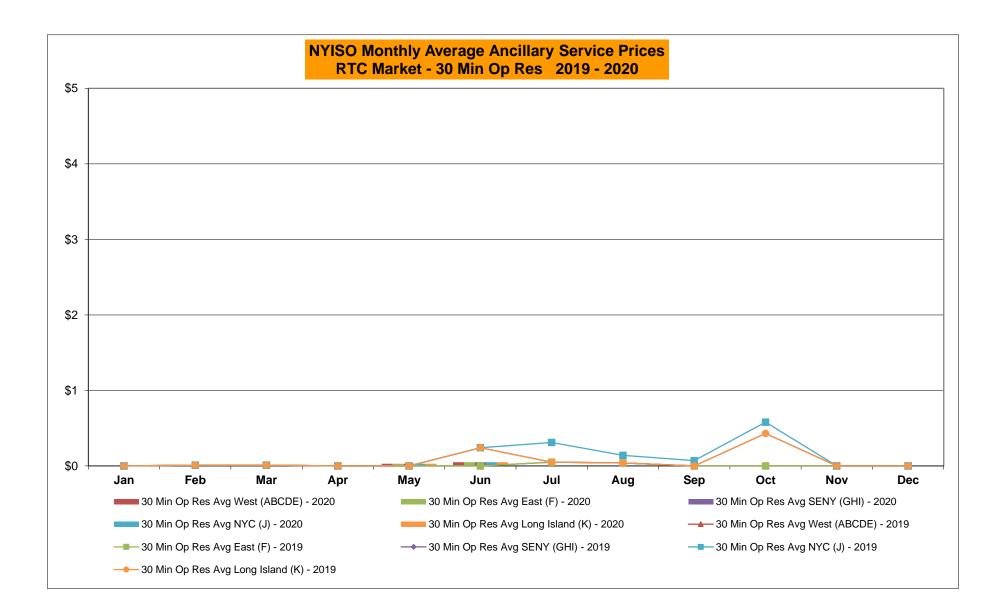


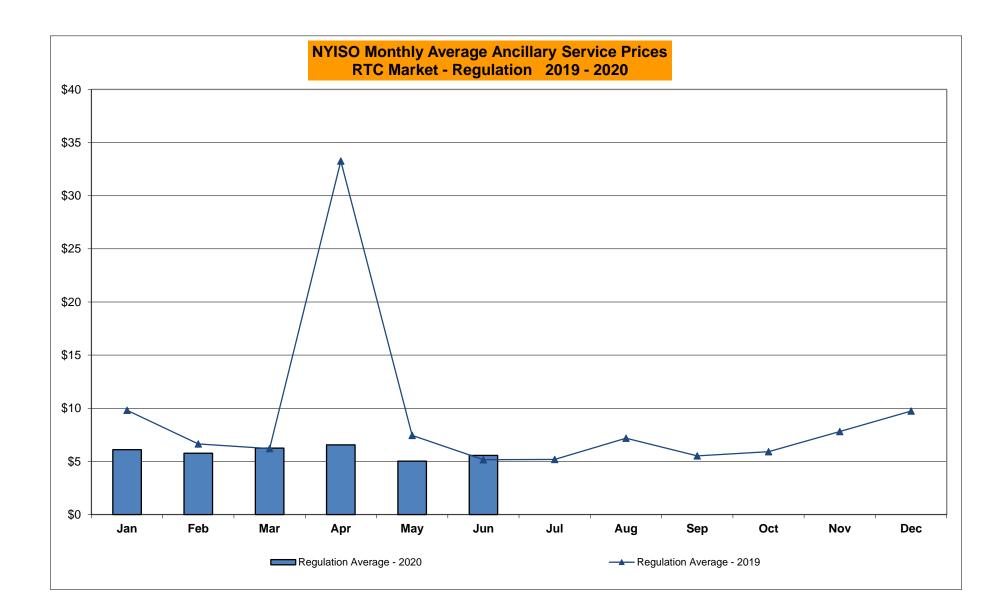


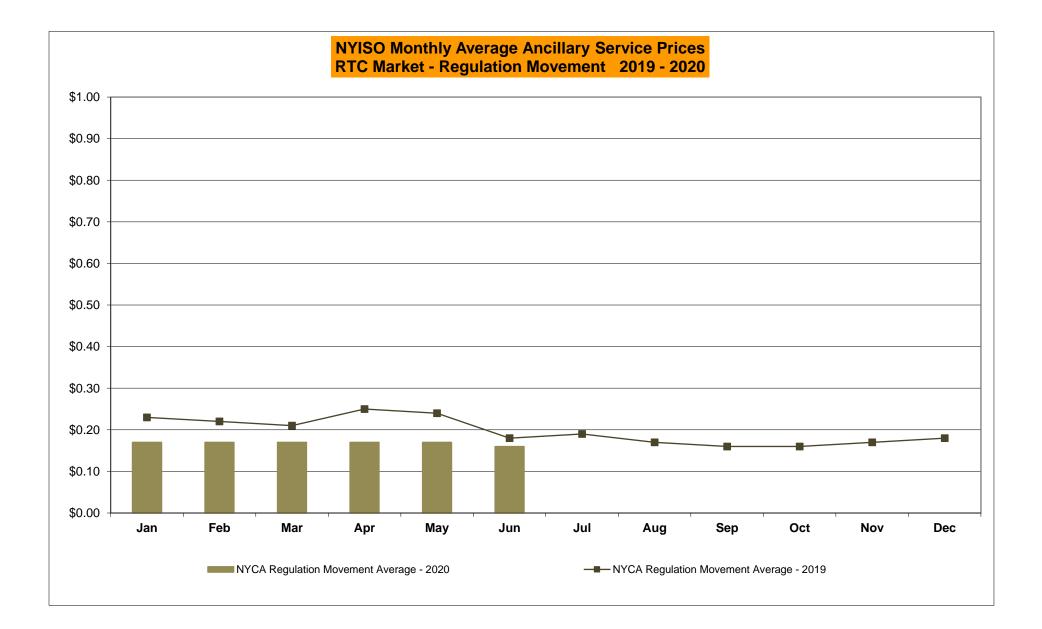


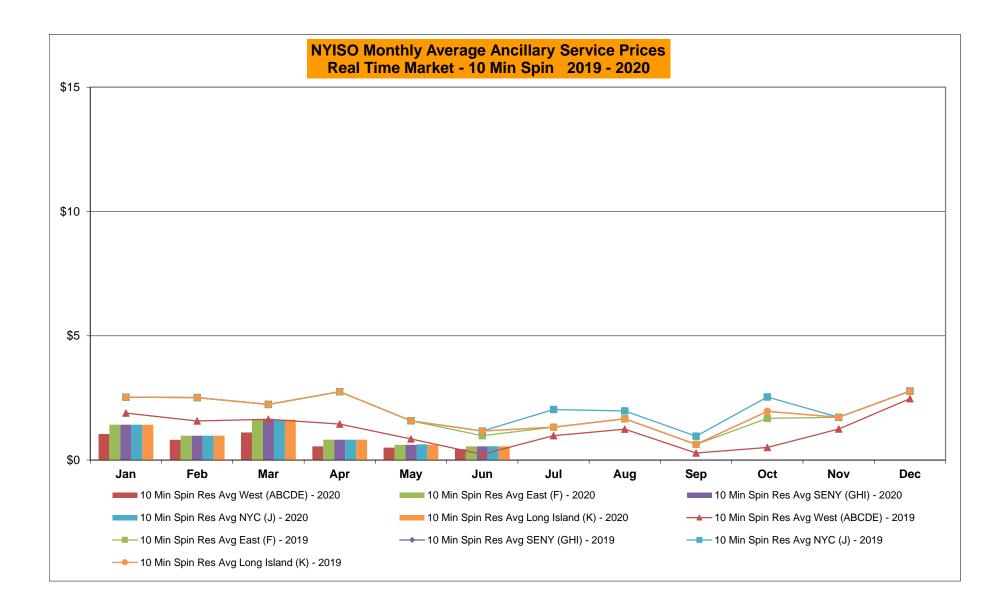


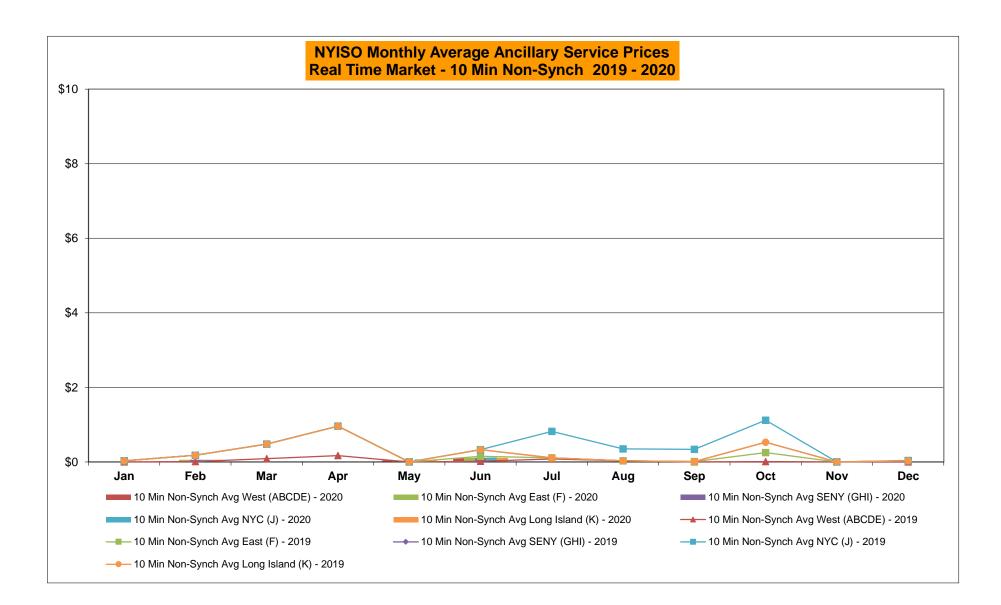


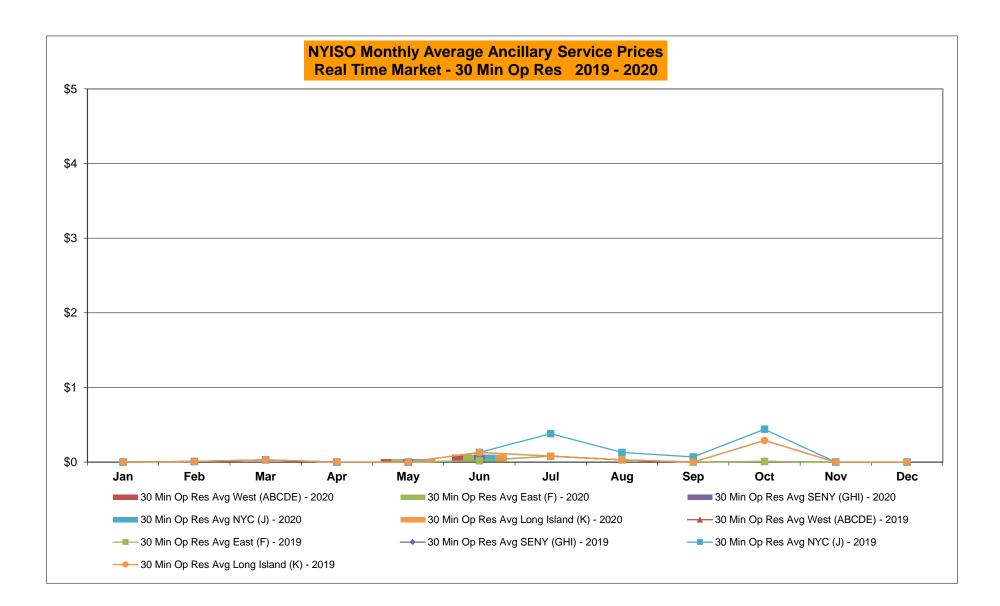


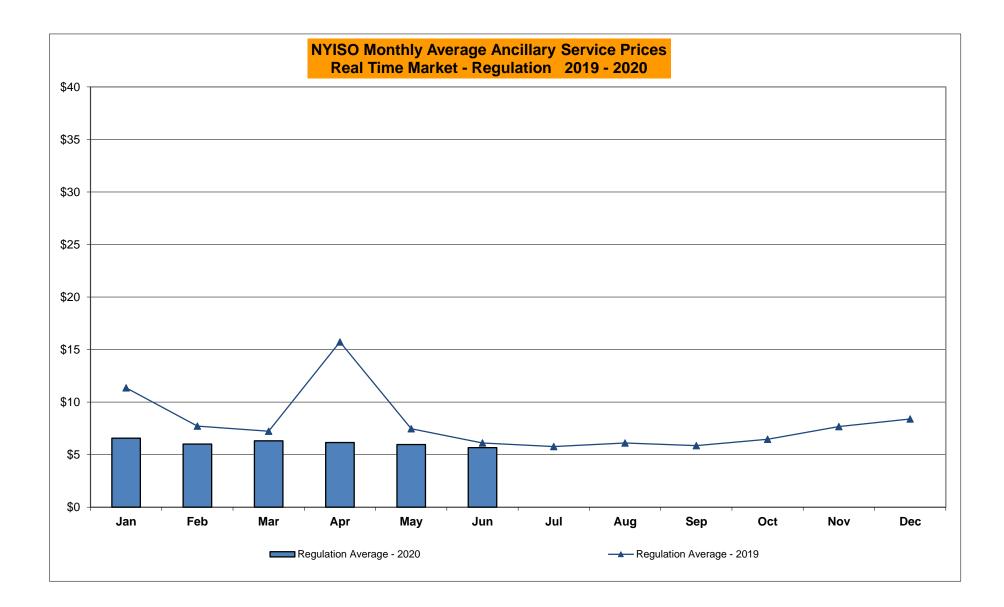


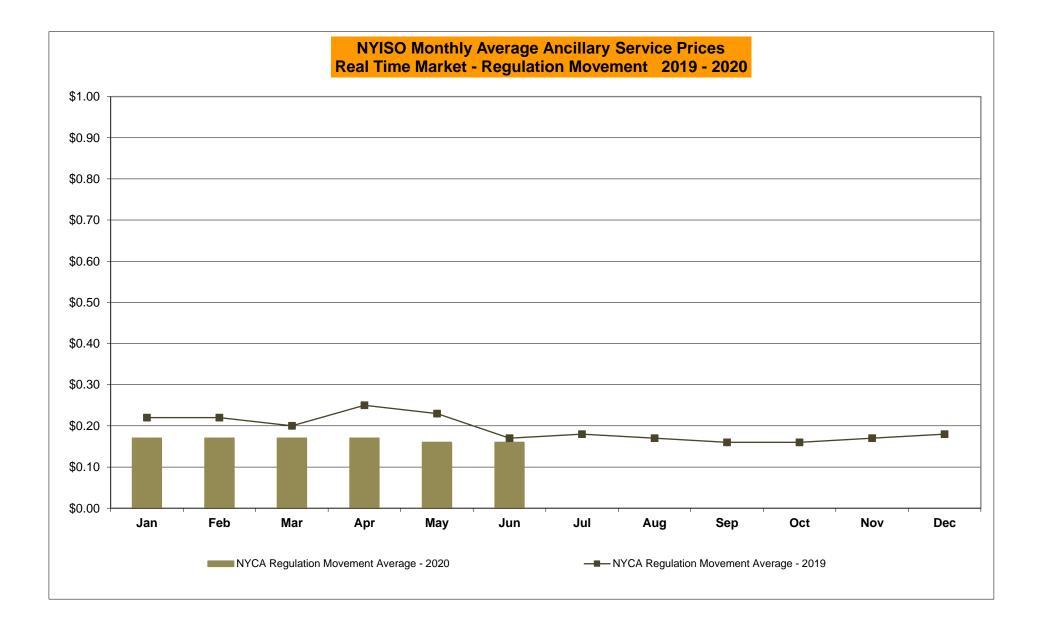












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<u>2020</u>	January	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>(</u>
Day Ahead Market										
10 Min Spin Long Island (K)	3.60	3.23	3.55	3.27	3.48	3.59				
10 Min Spin NYC (J)	3.60	3.23	3.55	3.27	3.48	3.64				
10 Min Spin SENY (GHI)	3.60	3.23	3.55	3.27	3.48	3.59				
10 Min Spin East (F)	3.60	3.23	3.55	3.27	3.48	3.59				
10 Min Spin West (ABCDE)	3.57	3.22	3.43	3.25	3.39	3.51				
10 Min Non Synch Long Island (K)	3.28	3.08	2.95	2.95	2.94	3.11				
10 Min Non Synch NYC (J)	3.28	3.08	2.95	2.95	2.94	3.17				
10 Min Non Synch SENY (GHI)	3.28	3.08	2.95	2.95	2.94	3.11				
10 Min Non Synch East (F)	3.28	3.08	2.95	2.95	2.94	3.11				
10 Min Non Synch West (ABCDE)	3.28	3.08	2.95	2.94	2.93	3.10				
30 Min Long Island (K)	3.28	3.08	2.95	2.94	2.93	3.10				
30 Min NYC (J)	3.28	3.08	2.95	2.94	2.93	3.10				
30 Min SENY (GHI)	3.28	3.08	2.95	2.94	2.93	3.10				
30 Min East (F)	3.28	3.08	2.95	2.94	2.93	3.10				
30 Min West (ABCDE)	3.28	3.08	2.95	2.94	2.93	3.10				
Regulation	6.46	5.94	5.86	5.70	6.40	5.44				
<u>2019</u>	<u>January</u>	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>(</u>
Day Ahead Market										
10 Min Spin Long Island (K)	5.47	5.47	4.61	4.46	4.25	4.25	4.03	4.19	3.86	
10 Min Spin NYC (J)	5.47	5.47	4.61	4.46	4.25	4.25	4.86	4.73	3.97	
10 Min Spin SENY (GHI)	5.47	4.17	4.61	4.46	4.25	3.90	4.03	4.19	3.86	
10 Min Spin East (F)	5.47	4.17	4.61	4.46	4.25	3.86	4.03	4.19	3.86	
10 Min Spin West (ABCDE)	4.56	3.94	4.30	4.01	4.09	3.77	3.89	4.00	3.72	
10 Min Non Synch Long Island (K)	3.88	3.88	3.57	3.96	3.94	3.94	3.76	3.78	3.34	
10 Min Non Synch NYC (J)	3.88	3.88	3.57	3.96	3.94	3.94	4.59	4.32	3.45	
10 Min Non Synch SENY (GHI)	3.88	3.75	3.57	3.96	3.94	3.63	3.76	3.78	3.34	
10 Min Non Synch East (F)	3.88	3.75	3.57	3.96	3.94	3.59	3.76	3.78	3.34	
10 Min Non Synch West (ABCDE)	3.86	3.74	3.47	3.73	3.91	3.58	3.73	3.76	3.33	
30 Min Long Island (K)	3.86	3.86	3.46	3.71	3.91	3.91	3.72	3.75	3.33	
30 Min NYC (J)	3.86	3.86	3.46	3.71	3.91	3.91	3.79	3.75	3.33	
30 Min SENY (GHI)	3.86	3.74	3.46	3.71	3.91	3.58	3.72	3.75	3.33	
30 Min East (F)	3.86	3.74	3.46	3.71	3.91	3.58	3.72	3.75	3.33	
30 Min West (ABCDE)	3.86	3.74	3.46	3.71	3.91	3.58	3.72	3.75	3.33	
Regulation	11.94	7.69	6.62	27.38	8.71	5.57	4.99	5.89	6.36	
-										

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

<u>October</u>

November

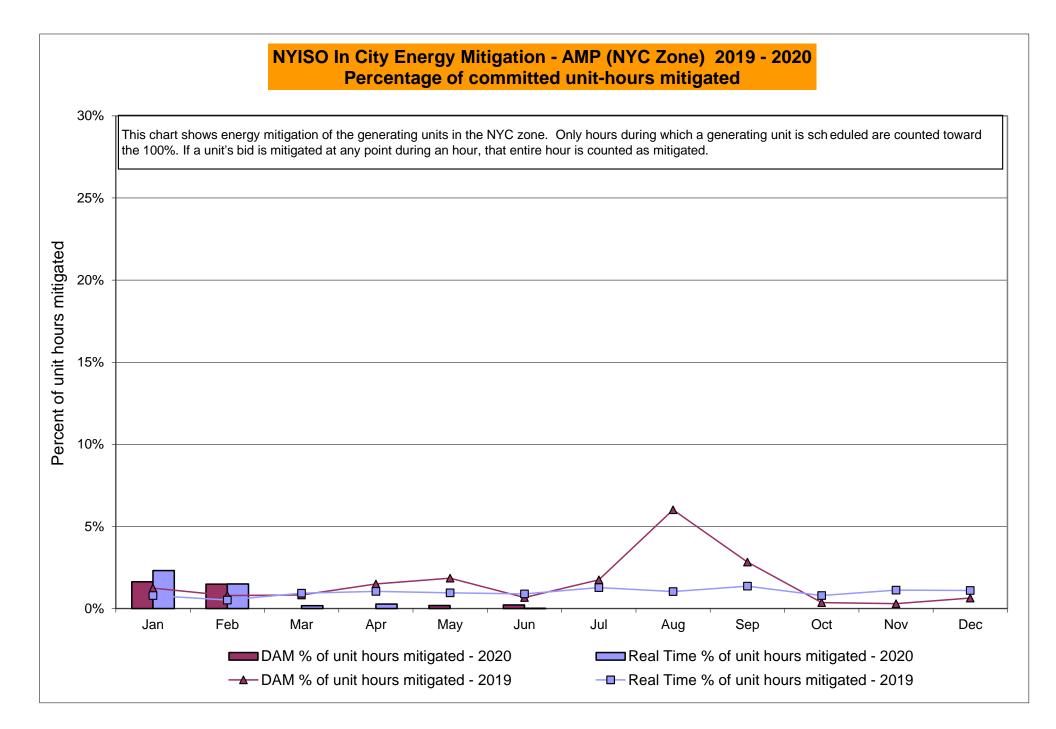
<u>December</u>

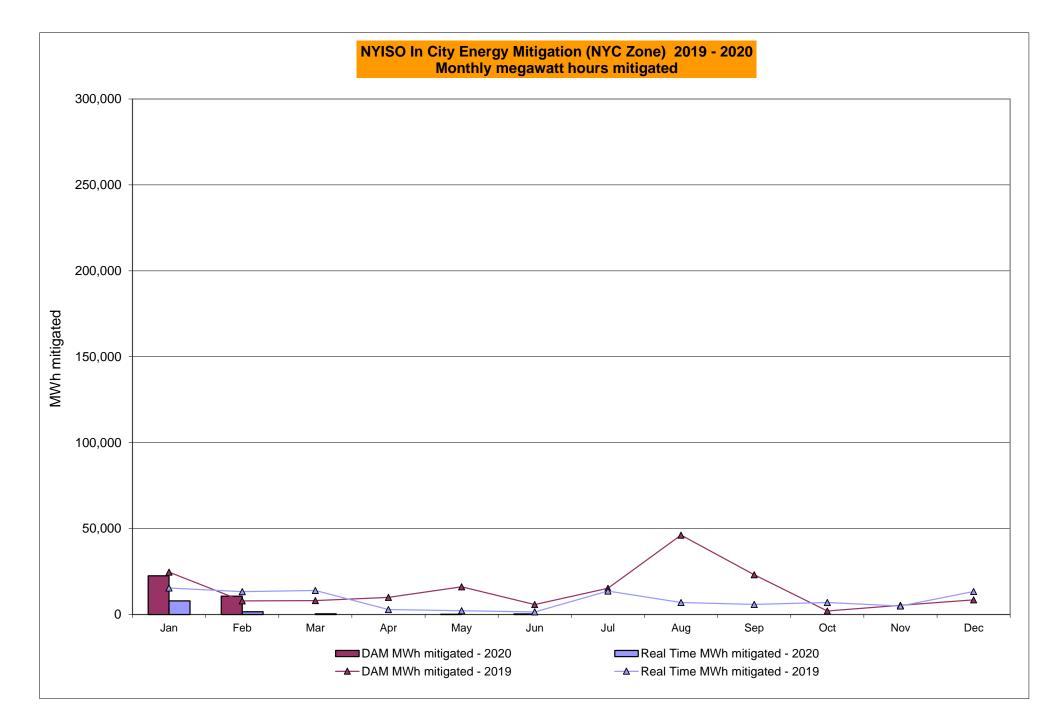
<u>October</u>	<u>November</u>	<u>December</u>
4.59	3.79	3.55
4.69	3.79	3.55
4.59	3.79	3.55
4.59	3.79	3.55
4.24	3.65	3.47
3.91	3.40	3.14
4.01	3.40	3.14
3.91	3.40	3.14
3.91	3.40	3.14
3.87	3.39	3.13
3.86	3.39	3.13
3.86	3.39	3.13
3.86	3.39	3.13
3.86	3.39	3.13
3.86	3.39	3.13
8.55	7.77	7.65

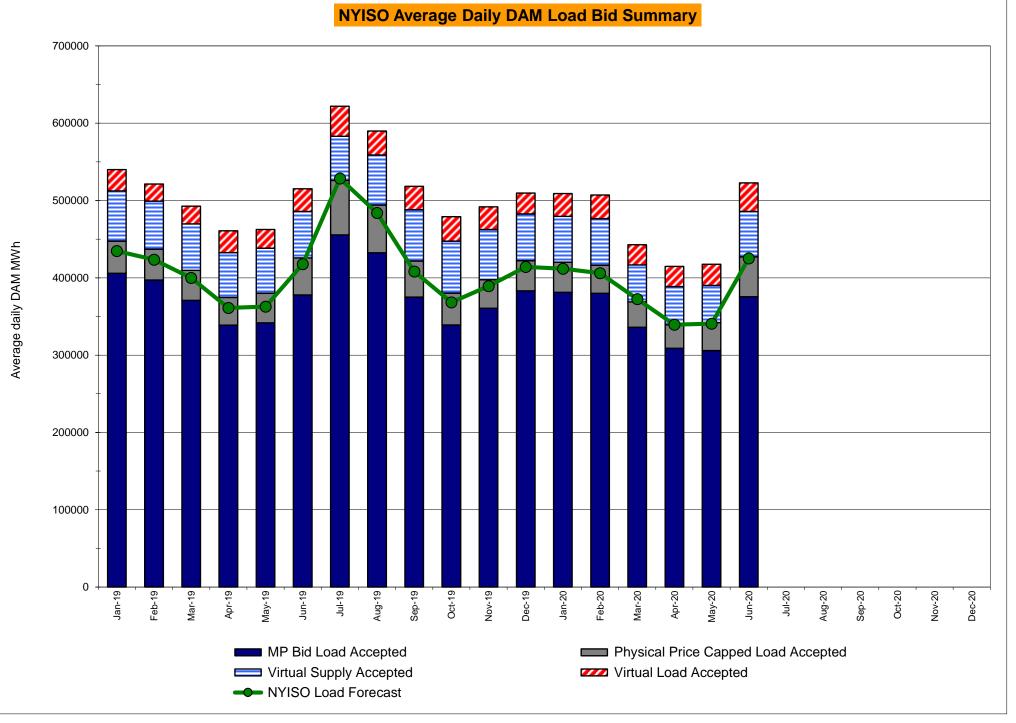
	NYISO Mark	ets Ancil	lary Serv	vices Sta	tistics -	Unweigh	ted Pric	e (\$/MV	<u>VH) - RTC</u>	<u>)</u>		
2020	January	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
RTC Market	<u></u>	<u> </u>	<u></u>	<u> </u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>		· · · · · · · · · · · · · · · · · · ·	
10 Min Spin Long Island (K)	0.78	1.42	0.88	0.32	0.25	0.31						
10 Min Spin NYC (J)	0.78	1.46	0.88	0.32	0.26	0.31						
10 Min Spin SENY (GHI)	0.78	1.42	0.88	0.32	0.25	0.31						
10 Min Spin East (F)	0.78	1.42	0.88	0.32	0.25	0.31						
10 Min Spin West (ABCDE)	0.54	0.72	0.46	0.11	0.15	0.17						
10 Min Non Synch Long Island (K)	0.00	0.91	0.00	0.00	0.03	0.05						
10 Min Non Synch NYC (J)	0.00	0.95	0.00	0.00	0.04	0.06						
10 Min Non Synch SENY (GHI)	0.00	0.91	0.00	0.00	0.03	0.05						
10 Min Non Synch East (F)	0.00	0.91	0.00	0.00	0.03	0.05						
10 Min Non Synch West (ABCDE)	0.00	0.28	0.00	0.00	0.03	0.05						
30 Min Long Island (K)	0.00	0.01	0.00	0.00	0.03	0.05						
30 Min NYC (J)	0.00	0.01	0.00	0.00	0.03	0.05						
30 Min SENY (GHI)	0.00	0.01	0.00	0.00	0.03	0.05						
30 Min East (F)	0.00	0.01	0.00	0.00	0.03	0.05						
30 Min West (ABCDE)	0.00	0.01	0.00	0.00	0.03	0.05						
Regulation	6.11	5.77	6.25	6.56	5.02	5.56						
NYCA Regulation Movement	0.17	0.17	0.17	0.17	0.17	0.16						
<u>2019</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>October</u>	November	December
RTC Market												
10 Min Spin Long Island (K)	1.80	1.80	1.08	1.04	0.99	0.99	0.90	0.91	0.38	1.90	1.20	1.68
10 Min Spin NYC (J)	1.80	1.80	1.08	1.04	0.99	0.99	1.54	1.21	0.65	2.37	1.20	1.69
10 Min Spin SENY (GHI)	1.80	1.55	1.08	1.04	0.99	0.99	0.90	0.91	0.38	1.90	1.20	1.68
10 Min Spin East (F)	1.80	1.55	1.08	1.04	0.99	0.69	0.90	0.91	0.38	1.47	1.20	1.68
10 Min Spin West (ABCDE)	1.08	0.80	0.79	0.44	0.44	0.05	0.58	0.51	0.12	0.15	0.79	1.39
10 Min Non Synch Long Island (K)	0.01	0.01	0.11	0.13	0.00	0.00	0.09	0.04	0.01	0.78	0.00	0.08
10 Min Non Synch NYC (J)	0.01	0.01	0.11	0.13	0.00	0.00	0.73	0.34	0.28	1.25	0.00	0.10
10 Min Non Synch SENY (GHI)	0.01	0.08	0.11	0.13	0.00	0.52	0.09	0.04	0.01	0.78	0.00	0.08
10 Min Non Synch East (F)	0.01	0.08	0.11	0.13	0.00	0.22	0.09	0.04	0.01	0.34	0.00	0.08
10 Min Non Synch West (ABCDE)	0.00	0.01	0.01	0.00	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.00
30 Min Long Island (K)	0.00	0.00	0.01	0.00	0.00	0.00	0.05	0.04	0.00	0.43	0.00	0.00
30 Min NYC (J)	0.00	0.00	0.01	0.00	0.00	0.00	0.31	0.14	0.07	0.58	0.00	0.00
30 Min SENY (GHI)	0.00	0.01	0.01	0.00	0.00	0.24	0.05	0.04	0.00	0.43	0.00	0.00
30 Min East (F)	0.00	0.01	0.01	0.00	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.00
30 Min West (ABCDE)	0.00	0.01	0.01	0.00	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.00
Regulation	9.81	6.64	6.21	33.26	7.45	5.16	5.19	7.19	5.52	5.91	7.81	9.74
NYCA Regulation Movement	0.23	0.22	0.21	0.25	0.24	0.18	0.19	0.17	0.16	0.16	0.17	0.18

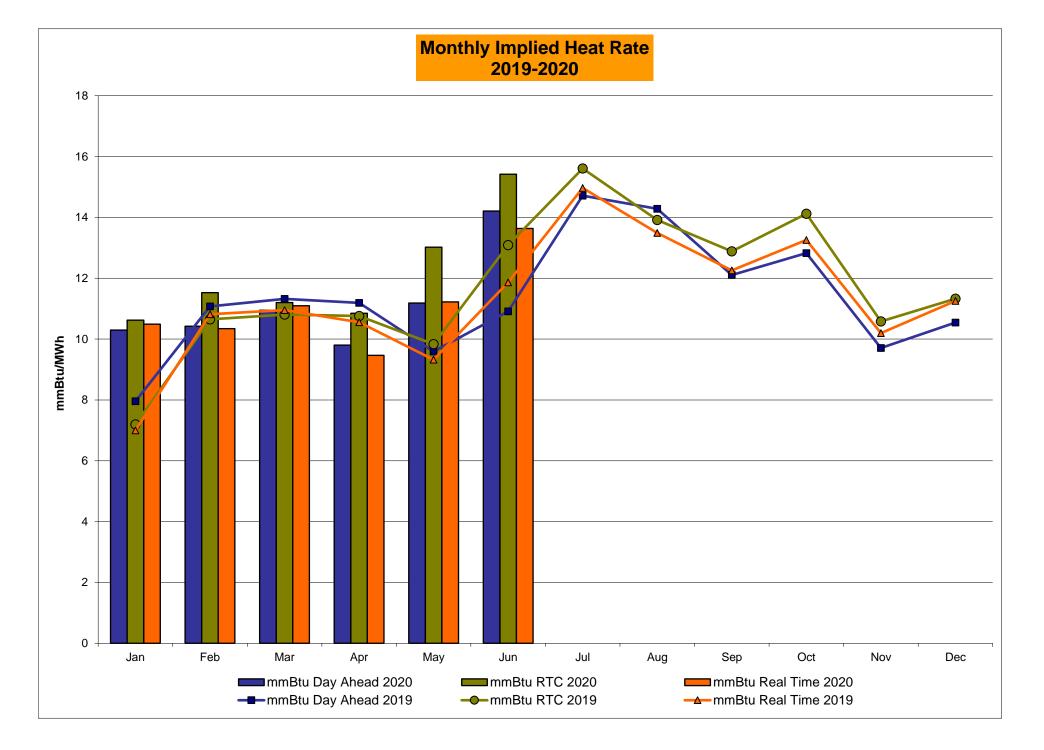
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	NYISO Mar	kets Anci	Ilary Ser	vices Sta	atistics -	<u>Unweigi</u>	nted Pri	<u>ce (\$/M</u>	<u>WH) - RT</u>			
2020	January	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	<u>October</u>	November	December
Real Time Market	<u></u>	<u> </u>			<u> </u>		<u> </u>					
10 Min Spin Long Island (K)	1.42	0.98	1.62	0.82	0.61	0.55						
10 Min Spin NYČ (J)	1.42	0.98	1.62	0.82	0.63	0.56						
10 Min Spin SENY (GHI)	1.42	0.98	1.62	0.82	0.61	0.55						
10 Min Spin East (F)	1.42	0.98	1.62	0.82	0.61	0.55						
10 Min Spin West (ABCDE)	1.05	0.81	1.11	0.55	0.50	0.44						
10 Min Non Synch Long Island (K)	0.00	0.06	0.00	0.00	0.04	0.11						
10 Min Non Synch NYC (J)	0.00	0.06	0.00	0.00	0.07	0.12						
10 Min Non Synch SENY (GHI)	0.00	0.06	0.00	0.00	0.04	0.11						
10 Min Non Synch East (F)	0.00	0.06	0.00	0.00	0.04	0.11						
10 Min Non Synch West (ABCDE)	0.00	0.00	0.00	0.00	0.04	0.10						
30 Min Long Island (K)	0.00	0.00	0.00	0.00	0.04	0.10						
30 Min NYC (J)	0.00	0.00	0.00	0.00	0.04	0.10						
30 Min SENY (GHI)	0.00	0.00	0.00	0.00	0.04	0.10						
30 Min East (F)	0.00	0.00	0.00	0.00	0.04	0.10						
30 Min West (ABCDE)	0.00	0.00	0.00	0.00	0.04	0.10						
Regulation	6.57	6.00	6.32	6.16	5.96	5.67						
NYCA Regulation Movement	0.17	0.17	0.17	0.17	0.16	0.16						
<u>2019</u>	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
Real Time Market												
10 Min Spin Long Island (K)	2.53	2.53	2.24	2.75	1.58	4 50	1.32	1.66	0.63	1.96	1.72	2.77
10 Min Spin NYC (J)	0.50				1100	1.58	1.52	1.00		1.90	1.72	
10 Min Spin SENY (GHI)	2.53	2.53	2.24	2.75	1.58	1.58	2.03	1.98	0.96	2.54	1.72	2.78
	2.53	2.51	2.24 2.24		1.58 1.58			1.98 1.66				
10 Min Spin East (F)				2.75	1.58	1.58	2.03	1.98	0.96	2.54	1.72	2.78
,	2.53	2.51	2.24	2.75 2.75	1.58 1.58	1.58 1.17	2.03 1.32 1.32 0.98	1.98 1.66	0.96 0.63	2.54 1.96	1.72 1.72	2.78 2.77
10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K)	2.53 2.53 1.89 0.03	2.51 2.51 1.57 0.03	2.24 2.24 1.64 0.48	2.75 2.75 2.75 1.45 0.96	1.58 1.58 1.58 0.85 0.00	1.58 1.17 0.98 0.23 0.00	2.03 1.32 1.32 0.98 0.11	1.98 1.66 1.66 1.24 0.03	0.96 0.63 0.63 0.28 0.01	2.54 1.96 1.68 0.51 0.53	1.72 1.72 1.72 1.25 0.00	2.78 2.77 2.77 2.47 0.03
10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J)	2.53 2.53 1.89 0.03 0.03	2.51 2.51 1.57 0.03 0.03	2.24 2.24 1.64 0.48 0.48	2.75 2.75 2.75 1.45 0.96 0.96	1.58 1.58 1.58 0.85 0.00 0.00	1.58 1.17 0.98 0.23 0.00 0.00	2.03 1.32 1.32 0.98 0.11 0.82	1.98 1.66 1.66 1.24 0.03 0.35	0.96 0.63 0.63 0.28 0.01 0.34	2.54 1.96 1.68 0.51 0.53 1.12	1.72 1.72 1.25 0.00 0.00	2.78 2.77 2.77 2.47
10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI)	2.53 2.53 1.89 0.03 0.03 0.03	2.51 2.51 1.57 0.03 0.03 0.18	2.24 2.24 1.64 0.48 0.48 0.48	2.75 2.75 2.75 1.45 0.96 0.96 0.96	1.58 1.58 1.58 0.85 0.00 0.00 0.00	1.58 1.17 0.98 0.23 0.00 0.00 0.33	2.03 1.32 1.32 0.98 0.11 0.82 0.11	1.98 1.66 1.66 1.24 0.03 0.35 0.03	0.96 0.63 0.63 0.28 0.01 0.34 0.01	2.54 1.96 1.68 0.51 0.53 1.12 0.53	1.72 1.72 1.72 1.25 0.00 0.00 0.00	2.78 2.77 2.77 2.47 0.03 0.04 0.03
10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F)	2.53 2.53 1.89 0.03 0.03 0.03 0.03	2.51 2.51 1.57 0.03 0.03 0.18 0.18	2.24 2.24 1.64 0.48 0.48 0.48 0.48	2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.96	1.58 1.58 1.58 0.85 0.00 0.00 0.00 0.00	1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15	2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11	1.98 1.66 1.24 0.03 0.35 0.03 0.03	0.96 0.63 0.63 0.28 0.01 0.34	2.54 1.96 1.68 0.51 0.53 1.12	1.72 1.72 1.72 1.25 0.00 0.00 0.00 0.00	2.78 2.77 2.77 2.47 0.03 0.04 0.03 0.03
10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	2.53 2.53 1.89 0.03 0.03 0.03 0.03 0.03 0.00	2.51 2.51 1.57 0.03 0.03 0.18 0.18 0.01	2.24 2.24 1.64 0.48 0.48 0.48 0.48 0.48 0.09	2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.96 0.17	$ \begin{array}{r} 1.58\\ 1.58\\ 0.85\\ 0.00$	1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15 0.02	2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11 0.08	1.98 1.66 1.24 0.03 0.35 0.03 0.03 0.03	0.96 0.63 0.28 0.01 0.34 0.01 0.01 0.00	2.54 1.96 1.68 0.51 0.53 1.12 0.53 0.25 0.01	1.72 1.72 1.72 1.25 0.00 0.00 0.00 0.00 0.00	2.78 2.77 2.77 2.47 0.03 0.04 0.03 0.03 0.00
10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K)	2.53 2.53 1.89 0.03 0.03 0.03 0.03 0.00 0.00	2.51 2.51 1.57 0.03 0.03 0.18 0.18 0.01 0.00	2.24 2.24 1.64 0.48 0.48 0.48 0.48 0.48 0.09 0.03	2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.96 0.17 0.00	$ \begin{array}{r} 1.58\\ 1.58\\ 1.58\\ 0.85\\ 0.00$	1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15 0.02 0.00	2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11 0.08 0.08	1.98 1.66 1.24 0.03 0.35 0.03 0.03 0.03 0.03 0.03	0.96 0.63 0.28 0.01 0.34 0.01 0.01 0.00 0.00	2.54 1.96 1.68 0.51 0.53 1.12 0.53 0.25 0.01 0.29	$\begin{array}{c} 1.72 \\ 1.72 \\ 1.72 \\ 1.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \end{array}$	2.78 2.77 2.77 2.47 0.03 0.04 0.03 0.03 0.00 0.00
10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J)	2.53 2.53 1.89 0.03 0.03 0.03 0.03 0.00 0.00 0.00	2.51 2.51 1.57 0.03 0.03 0.18 0.18 0.01 0.00 0.00	2.24 2.24 1.64 0.48 0.48 0.48 0.48 0.48 0.09 0.03 0.03	2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.96 0.17 0.00 0.00	$ \begin{array}{c} 1.58\\ 1.58\\ 0.85\\ 0.00$	1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15 0.02 0.00 0.00	2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11 0.08 0.08 0.08 0.38	1.98 1.66 1.24 0.03 0.35 0.03 0.03 0.03 0.03 0.03 0.13	0.96 0.63 0.28 0.01 0.34 0.01 0.01 0.00 0.00 0.00 0.07	2.54 1.96 1.68 0.51 0.53 1.12 0.53 0.25 0.01 0.29 0.44	$\begin{array}{c} 1.72 \\ 1.72 \\ 1.72 \\ 1.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \end{array}$	$2.78 \\ 2.77 \\ 2.77 \\ 2.47 \\ 0.03 \\ 0.04 \\ 0.03 \\ 0.03 \\ 0.00 \\ $
10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI)	2.53 2.53 1.89 0.03 0.03 0.03 0.03 0.03 0.00 0.00 0.0	2.51 2.51 1.57 0.03 0.03 0.18 0.18 0.01 0.00 0.00 0.00	2.24 2.24 1.64 0.48 0.48 0.48 0.48 0.48 0.09 0.03 0.03 0.03	2.75 2.75 1.45 0.96 0.96 0.96 0.96 0.17 0.00 0.00 0.00	$ \begin{array}{c} 1.58\\ 1.58\\ 0.85\\ 0.00$	1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15 0.02 0.00 0.00 0.00 0.13	2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11 0.08 0.08 0.38 0.08	$ 1.98 \\ 1.66 \\ 1.24 \\ 0.03 \\ 0.35 \\ 0.03 \\ 0.03 \\ 0.03 \\ 0.03 \\ 0.03 \\ 0.13 \\ 0.03 \\ 0.03 $	0.96 0.63 0.28 0.01 0.34 0.01 0.01 0.00 0.00 0.07 0.00	2.54 1.96 1.68 0.51 0.53 1.12 0.53 0.25 0.01 0.29 0.44 0.29	$\begin{array}{c} 1.72 \\ 1.72 \\ 1.72 \\ 1.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \end{array}$	$2.78 \\ 2.77 \\ 2.77 \\ 2.47 \\ 0.03 \\ 0.04 \\ 0.03 \\ 0.03 \\ 0.00 \\ $
10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F)	2.53 2.53 1.89 0.03 0.03 0.03 0.03 0.03 0.00 0.00 0.0	$2.51 \\ 2.51 \\ 1.57 \\ 0.03 \\ 0.03 \\ 0.18 \\ 0.18 \\ 0.01 \\ 0.00 \\ 0.00 \\ 0.01 \\ 0.01 \\ 0.01$	2.24 2.24 1.64 0.48 0.48 0.48 0.48 0.48 0.09 0.03 0.03 0.03 0.03 0.03	2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.96 0.17 0.00 0.00 0.00 0.00	$ \begin{array}{c} 1.58\\ 1.58\\ 0.85\\ 0.00$	1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15 0.02 0.00 0.00 0.13 0.02	$\begin{array}{c} 2.03 \\ 1.32 \\ 1.32 \\ 0.98 \\ 0.11 \\ 0.82 \\ 0.11 \\ 0.11 \\ 0.08 \\ 0.08 \\ 0.38 \\ 0.08 \\ 0.08 \\ 0.08 \\ 0.08 \end{array}$	$ \begin{array}{r} 1.98\\ 1.66\\ 1.24\\ 0.03\\ 0.35\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.13\\ 0.03$	$\begin{array}{c} 0.96\\ 0.63\\ 0.63\\ 0.28\\ 0.01\\ 0.34\\ 0.01\\ 0.01\\ 0.00\\ 0.00\\ 0.00\\ 0.07\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 2.54 \\ 1.96 \\ 1.68 \\ 0.51 \\ 0.53 \\ 1.12 \\ 0.53 \\ 0.25 \\ 0.01 \\ 0.29 \\ 0.44 \\ 0.29 \\ 0.01 \end{array}$	$\begin{array}{c} 1.72 \\ 1.72 \\ 1.72 \\ 1.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \end{array}$	$2.78 \\ 2.77 \\ 2.77 \\ 2.47 \\ 0.03 \\ 0.04 \\ 0.03 \\ 0.03 \\ 0.00 \\ $
10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F) 30 Min West (ABCDE)	$\begin{array}{c} 2.53 \\ 2.53 \\ 1.89 \\ 0.03 \\ 0.03 \\ 0.03 \\ 0.03 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \end{array}$	$\begin{array}{c} 2.51 \\ 2.51 \\ 1.57 \\ 0.03 \\ 0.03 \\ 0.18 \\ 0.18 \\ 0.01 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.01 \\ 0.01 \\ 0.01 \\ 0.01 \end{array}$	$2.24 \\ 2.24 \\ 1.64 \\ 0.48 \\ 0.48 \\ 0.48 \\ 0.48 \\ 0.09 \\ 0.03 \\ $	2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.17 0.00 0.00 0.00 0.00 0.00 0.00	$ \begin{array}{c} 1.58\\ 1.58\\ 0.85\\ 0.00$	$ \begin{array}{c} 1.58\\ 1.17\\ 0.98\\ 0.23\\ 0.00\\ 0.00\\ 0.33\\ 0.15\\ 0.02\\ 0.00\\ 0.00\\ 0.13\\ 0.02\\ 0.02\\ 0.02\\ 0.02 \end{array} $	2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11 0.08 0.08 0.08 0.08 0.08 0.08 0.08 0.08	$ 1.98 \\ 1.66 \\ 1.24 \\ 0.03 \\ 0.35 \\ 0.03$	0.96 0.63 0.28 0.01 0.34 0.01 0.01 0.00 0.00 0.07 0.00 0.00 0.00 0.00 0.00	$\begin{array}{c} 2.54 \\ 1.96 \\ 1.68 \\ 0.51 \\ 0.53 \\ 1.12 \\ 0.53 \\ 0.25 \\ 0.01 \\ 0.29 \\ 0.44 \\ 0.29 \\ 0.01 \\ 0.01 \\ 0.01 \end{array}$	$\begin{array}{c} 1.72 \\ 1.72 \\ 1.72 \\ 1.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \end{array}$	$2.78 \\ 2.77 \\ 2.77 \\ 2.47 \\ 0.03 \\ 0.04 \\ 0.03 \\ 0.03 \\ 0.00 \\ $
10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K) 10 Min Non Synch NYC (J) 10 Min Non Synch SENY (GHI) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F)	2.53 2.53 1.89 0.03 0.03 0.03 0.03 0.03 0.00 0.00 0.0	$2.51 \\ 2.51 \\ 1.57 \\ 0.03 \\ 0.03 \\ 0.18 \\ 0.18 \\ 0.01 \\ 0.00 \\ 0.00 \\ 0.01 \\ 0.01 \\ 0.01$	2.24 2.24 1.64 0.48 0.48 0.48 0.48 0.48 0.09 0.03 0.03 0.03 0.03 0.03	2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.96 0.17 0.00 0.00 0.00 0.00	$ \begin{array}{c} 1.58\\ 1.58\\ 0.85\\ 0.00$	1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15 0.02 0.00 0.00 0.13 0.02	$\begin{array}{c} 2.03 \\ 1.32 \\ 1.32 \\ 0.98 \\ 0.11 \\ 0.82 \\ 0.11 \\ 0.11 \\ 0.08 \\ 0.08 \\ 0.38 \\ 0.08 \\ 0.08 \\ 0.08 \\ 0.08 \end{array}$	$ \begin{array}{r} 1.98\\ 1.66\\ 1.24\\ 0.03\\ 0.35\\ 0.03\\ 0.03\\ 0.03\\ 0.03\\ 0.13\\ 0.03$	0.96 0.63 0.28 0.01 0.34 0.01 0.01 0.00 0.00 0.00 0.00 0.00 0.00	$\begin{array}{c} 2.54 \\ 1.96 \\ 1.68 \\ 0.51 \\ 0.53 \\ 1.12 \\ 0.53 \\ 0.25 \\ 0.01 \\ 0.29 \\ 0.44 \\ 0.29 \\ 0.01 \end{array}$	$\begin{array}{c} 1.72 \\ 1.72 \\ 1.72 \\ 1.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \end{array}$	$2.78 \\ 2.77 \\ 2.77 \\ 2.47 \\ 0.03 \\ 0.04 \\ 0.03 \\ 0.03 \\ 0.00 \\ $

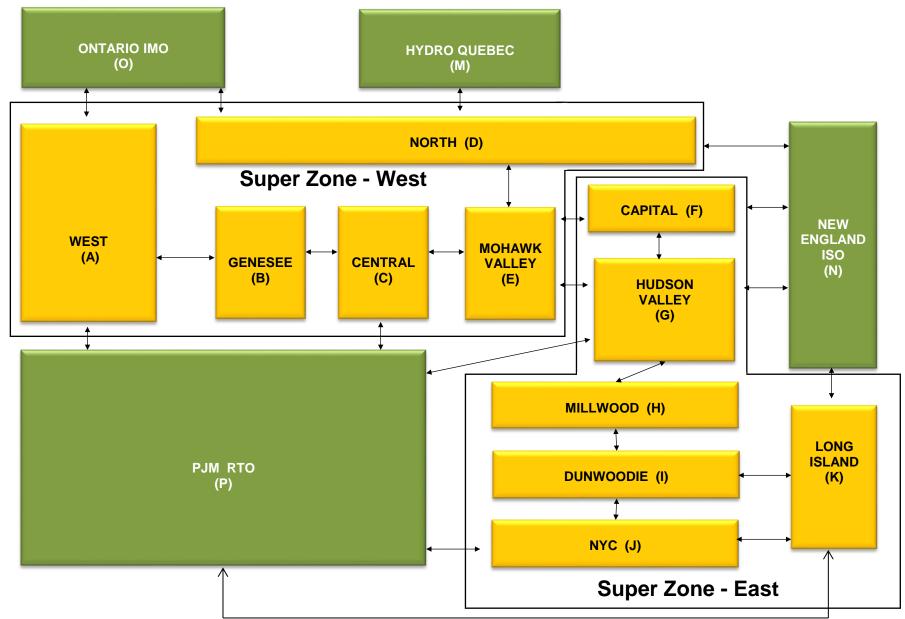








NYISO LBMP ZONES



Market Mitigation and Analysis Prepared: 7/10/2020 10:25 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

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



