

# **NYISO CEO/COO Report**

#### **Richard Dewey**

President & Chief Executive Officer

#### **Rick Gonzales**

Senior Vice President & Chief Operating Officer

#### **Management Committee Meeting**

October 28, 2020 Rensselaer, NY

## NYISO CEO/COO Report

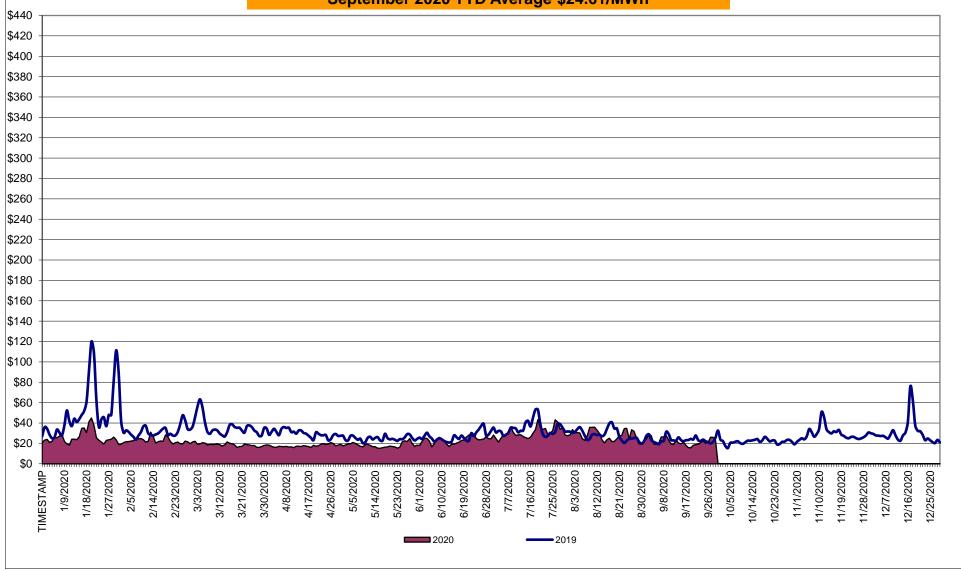
- CEO Report
- COO Report
  - Market Performance Highlights For Information Only
  - Operations Performance Metrics Monthly Report



# Market Performance Highlights September 2020

- LBMP for September is \$20.52/MWh; lower than \$26.13/MWh in August 2020 and \$22.22/MWh in September 2019.
  - Day Ahead and Real Time Load Weighted LBMPs are lower compared to August.
- September 2020 average year-to-date monthly cost of \$24.69/MWh is a 27% decrease from \$33.88/MWh in September 2019.
- Average daily sendout is 408 GWh/day in September; lower than 489 GWh/day in August 2020 and 419 GWh/day in September 2019.
- Natural gas prices and distillate prices are lower compared to the previous month.
  - Natural Gas (Transco Z6 NY) was \$1.25/MMBtu, down from \$1.47/MMBtu in August.
  - Natural gas prices are down 29.7% year-over-year.
  - Jet Kerosene Gulf Coast was \$7.50/MMBtu, down from \$8.20/MMBtu in August.
  - Ultra Low Sulfur No.2 Diesel NY Harbor was \$8.04/MMBtu, down from \$8.73/MMBtu in August.
  - Distillate prices are down 43.8% year-over-year.
- Uplift per MWh is lower compared to the previous month.
  - Uplift (not including NYISO cost of operations) is (\$0.07)/MWh; lower than \$0.17/MWh in August.
    - Local Reliability Share is \$0.22/MWh, lower than \$0.50/MWh in August.
    - Statewide Share is (\$0.28)/MWh, higher than (\$0.33)/MWh in August.
  - TSA \$ per NYC MWh is \$0.00/MWh.
  - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than August.

# Daily NYISO Average Cost/MWh (Energy & Ancillary Services)\* 2019 Annual Average \$32.59/MWh September 2019 YTD Average \$33.88/MWh September 2020 YTD Average \$24.61/MWh

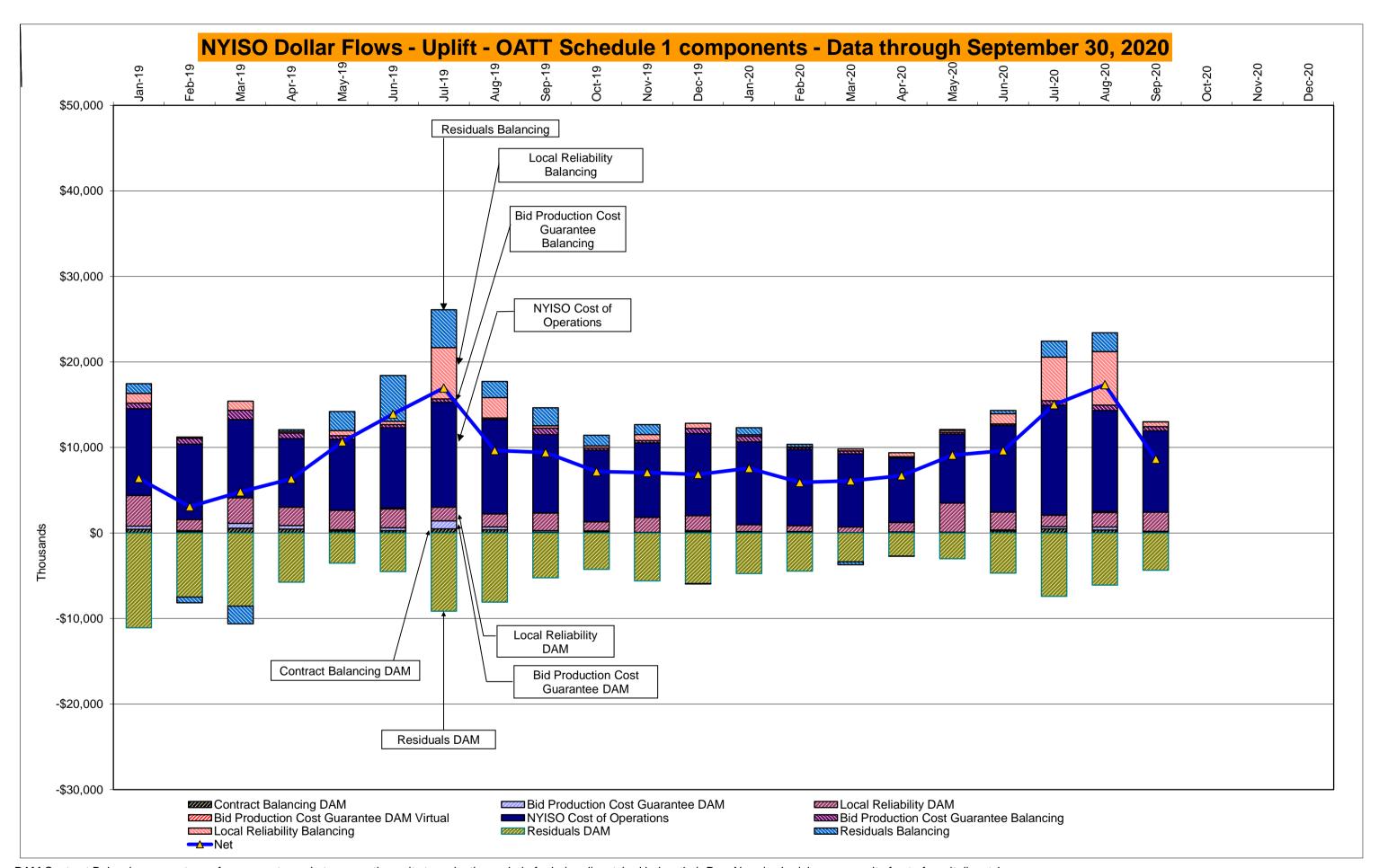


<sup>\*</sup> Excludes ICAP payments.

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

2020	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
LBMP	24.77	21.11	17.11	15.77	16.14	21.36	28.86	26.13	20.52			
NTAC	0.91	0.70	0.86	0.91	1.05	0.95	1.24	1.03	0.78			
Reserve	0.46	0.43	0.47	0.50	0.53	0.45	0.39	0.39	0.42			
Regulation	0.09	0.08	0.09	0.08	0.10	0.08	0.06	0.07	0.09			
NYISO Cost of Operations	0.68	0.69	0.68	0.66	0.71	0.74	0.76	0.75	0.74			
FERC Fee Recovery	0.08	0.09	0.09	0.10	0.11	0.09	0.06	0.07	0.09			
Uplift	(0.15)	(0.23)	(0.19)	(80.0)	0.09	(0.05)	0.07	0.17	(0.07)			
Uplift: Local Reliability Share	0.07	0.06	0.07	0.14	0.32	0.24	0.38	0.50	0.22			
Uplift: Statewide Share	(0.22)	(0.29)	(0.26)	(0.21)	(0.23)	(0.29)	(0.31)	(0.33)	(0.28)			
Voltage Support and Black Start	0.44	0.44	0.44	0.43	0.45	0.45	0.46	0.46	0.45			
Avg Monthly Cost	27.29	23.32	19.55	18.38	19.16	24.09	31.91	29.07	23.03			
Avg YTD Cost	27.29	25.40	23.48	22.38	21.82	22.21	24.11	24.88	24.69			
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.00	0.04	0.18	0.54	0.00			
2019	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	<u>November</u>	<u>December</u>
<b>2019</b> LBMP	<u>January</u> 50.93	February 33.51	<u>March</u> 34.91	<u>April</u> 28.01	<u>May</u> 23.10	<u>June</u> 24.43	<u>July</u> 33.18	<u>August</u> 27.83	September 22.22	October 20.84	November 27.39	December 29.52
		=					-					
LBMP	50.93 0.51 0.54	33.51 0.69 0.51	34.91 0.98 0.55	28.01 1.16 0.63	23.10 0.72 0.63	24.43	33.18 1.01 0.44	27.83 0.98 0.49	22.22 0.48 0.50	20.84 0.57 0.62	27.39 0.88 0.50	29.52
LBMP NTAC Reserve Regulation	50.93 0.51 0.54 0.13	33.51 0.69	34.91 0.98 0.55 0.10	28.01 1.16 0.63 0.33	23.10 0.72	2 <del>4</del> .43 1.08	33.18 1.01 0.44 0.07	27.83 0.98 0.49 0.09	22.22 0.48 0.50 0.09	20.84 0.57 0.62 0.13	27.39 0.88 0.50 0.11	29.52 0.77
LBMP NTAC Reserve Regulation NYISO Cost of Operations	50.93 0.51 0.54 0.13 0.68	33.51 0.69 0.51 0.11 0.68	34.91 0.98 0.55 0.10 0.69	28.01 1.16 0.63 0.33 0.69	23.10 0.72 0.63 0.13 0.68	24.43 1.08 0.50 0.09 0.69	33.18 1.01 0.44 0.07 0.70	27.83 0.98 0.49 0.09 0.70	22.22 0.48 0.50 0.09 0.69	20.84 0.57 0.62 0.13 0.67	27.39 0.88 0.50 0.11 0.67	29.52 0.77 0.44 0.10 0.67
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery	50.93 0.51 0.54 0.13 0.68 0.08	33.51 0.69 0.51 0.11 0.68 0.09	34.91 0.98 0.55 0.10 0.69 0.09	28.01 1.16 0.63 0.33 0.69 0.10	23.10 0.72 0.63 0.13 0.68 0.10	24.43 1.08 0.50 0.09 0.69 0.08	33.18 1.01 0.44 0.07 0.70 0.06	27.83 0.98 0.49 0.09 0.70 0.07	22.22 0.48 0.50 0.09 0.69 0.09	20.84 0.57 0.62 0.13 0.67 0.09	27.39 0.88 0.50 0.11 0.67 0.09	29.52 0.77 0.44 0.10 0.67 0.08
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift	50.93 0.51 0.54 0.13 0.68 0.08 (0.25)	33.51 0.69 0.51 0.11 0.68 0.09 (0.44)	34.91 0.98 0.55 0.10 0.69 0.09 (0.33)	28.01 1.16 0.63 0.33 0.69 0.10 (0.15)	23.10 0.72 0.63 0.13 0.68 0.10 0.13	24.43 1.08 0.50 0.09 0.69 0.08 0.07	33.18 1.01 0.44 0.07 0.70 0.06 (0.06)	27.83 0.98 0.49 0.09 0.70 0.07 (0.20)	22.22 0.48 0.50 0.09 0.69 0.09 (0.13)	20.84 0.57 0.62 0.13 0.67 0.09 (0.09)	27.39 0.88 0.50 0.11 0.67 0.09 (0.13)	29.52 0.77 0.44 0.10 0.67 0.08 (0.19)
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share	50.93 0.51 0.54 0.13 0.68 0.08 (0.25) 0.32	33.51 0.69 0.51 0.11 0.68 0.09 (0.44) 0.11	34.91 0.98 0.55 0.10 0.69 0.09 (0.33) 0.31	28.01 1.16 0.63 0.33 0.69 0.10 (0.15) 0.20	23.10 0.72 0.63 0.13 0.68 0.10 0.13 0.23	24.43 1.08 0.50 0.09 0.69 0.08 0.07 0.19	33.18 1.01 0.44 0.07 0.70 0.06 (0.06) 0.44	27.83 0.98 0.49 0.09 0.70 0.07 (0.20) 0.25	22.22 0.48 0.50 0.09 0.69 0.09 (0.13) 0.17	20.84 0.57 0.62 0.13 0.67 0.09 (0.09) 0.11	27.39 0.88 0.50 0.11 0.67 0.09 (0.13) 0.19	29.52 0.77 0.44 0.10 0.67 0.08 (0.19) 0.17
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share	50.93 0.51 0.54 0.13 0.68 0.08 (0.25) 0.32 (0.57)	33.51 0.69 0.51 0.11 0.68 0.09 (0.44) 0.11 (0.55)	34.91 0.98 0.55 0.10 0.69 0.09 (0.33) 0.31 (0.64)	28.01 1.16 0.63 0.33 0.69 0.10 (0.15) 0.20 (0.35)	23.10 0.72 0.63 0.13 0.68 0.10 0.13 0.23 (0.11)	24.43 1.08 0.50 0.09 0.69 0.08 0.07 0.19 (0.12)	33.18 1.01 0.44 0.07 0.70 0.06 (0.06) 0.44 (0.50)	27.83 0.98 0.49 0.09 0.70 0.07 (0.20) 0.25 (0.45)	22.22 0.48 0.50 0.09 0.69 0.09 (0.13) 0.17 (0.30)	20.84 0.57 0.62 0.13 0.67 0.09 (0.09) 0.11 (0.20)	27.39 0.88 0.50 0.11 0.67 0.09 (0.13) 0.19 (0.31)	29.52 0.77 0.44 0.10 0.67 0.08 (0.19) 0.17 (0.35)
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share	50.93 0.51 0.54 0.13 0.68 0.08 (0.25) 0.32 (0.57) 0.37	33.51 0.69 0.51 0.11 0.68 0.09 (0.44) 0.11 (0.55) 0.37	34.91 0.98 0.55 0.10 0.69 0.09 (0.33) 0.31 (0.64) 0.38	28.01 1.16 0.63 0.33 0.69 0.10 (0.15) 0.20 (0.35) 0.38	23.10 0.72 0.63 0.13 0.68 0.10 0.13 0.23 (0.11) 0.38	24.43 1.08 0.50 0.09 0.69 0.08 0.07 0.19 (0.12) 0.38	33.18 1.01 0.44 0.07 0.70 0.06 (0.06) 0.44 (0.50) 0.38	27.83 0.98 0.49 0.09 0.70 0.07 (0.20) 0.25 (0.45) 0.38	22.22 0.48 0.50 0.09 0.69 0.09 (0.13) 0.17 (0.30) 0.38	20.84 0.57 0.62 0.13 0.67 0.09 (0.09) 0.11 (0.20) 0.37	27.39 0.88 0.50 0.11 0.67 0.09 (0.13) 0.19 (0.31) 0.37	29.52 0.77 0.44 0.10 0.67 0.08 (0.19) 0.17 (0.35) 0.36
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share	50.93 0.51 0.54 0.13 0.68 0.08 (0.25) 0.32 (0.57)	33.51 0.69 0.51 0.11 0.68 0.09 (0.44) 0.11 (0.55)	34.91 0.98 0.55 0.10 0.69 0.09 (0.33) 0.31 (0.64)	28.01 1.16 0.63 0.33 0.69 0.10 (0.15) 0.20 (0.35)	23.10 0.72 0.63 0.13 0.68 0.10 0.13 0.23 (0.11)	24.43 1.08 0.50 0.09 0.69 0.08 0.07 0.19 (0.12)	33.18 1.01 0.44 0.07 0.70 0.06 (0.06) 0.44 (0.50)	27.83 0.98 0.49 0.09 0.70 0.07 (0.20) 0.25 (0.45)	22.22 0.48 0.50 0.09 0.69 0.09 (0.13) 0.17 (0.30)	20.84 0.57 0.62 0.13 0.67 0.09 (0.09) 0.11 (0.20)	27.39 0.88 0.50 0.11 0.67 0.09 (0.13) 0.19 (0.31)	29.52 0.77 0.44 0.10 0.67 0.08 (0.19) 0.17 (0.35)
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share Voltage Support and Black Start	50.93 0.51 0.54 0.13 0.68 0.08 (0.25) 0.32 (0.57) 0.37	33.51 0.69 0.51 0.11 0.68 0.09 (0.44) 0.11 (0.55) 0.37	34.91 0.98 0.55 0.10 0.69 0.09 (0.33) 0.31 (0.64) 0.38	28.01 1.16 0.63 0.33 0.69 0.10 (0.15) 0.20 (0.35) 0.38	23.10 0.72 0.63 0.13 0.68 0.10 0.13 0.23 (0.11) 0.38	24.43 1.08 0.50 0.09 0.69 0.08 0.07 0.19 (0.12) 0.38	33.18 1.01 0.44 0.07 0.70 0.06 (0.06) 0.44 (0.50) 0.38	27.83 0.98 0.49 0.09 0.70 0.07 (0.20) 0.25 (0.45) 0.38	22.22 0.48 0.50 0.09 0.69 0.09 (0.13) 0.17 (0.30) 0.38	20.84 0.57 0.62 0.13 0.67 0.09 (0.09) 0.11 (0.20) 0.37	27.39 0.88 0.50 0.11 0.67 0.09 (0.13) 0.19 (0.31) 0.37	29.52 0.77 0.44 0.10 0.67 0.08 (0.19) 0.17 (0.35) 0.36

<sup>\*</sup> Excludes ICAP payments. Market Mitigation and Analysis Prepared: 10/7/2020 3:59 PM



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

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

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

#### **NYISO Markets Transactions**

<u>March</u>

<u>February</u>

<u>January</u>

<u>April</u>

<u>May</u>

<u>June</u>

<u>July</u>

August September

October November December

2020	<u>January</u>	<u>i Ebiuary</u>	<u>iviai Ci i</u>	Apili	iviay	Julie	July	August	<u>September</u>	<u>Octobel</u>	NOVEITIBEI	December
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			
DAM LSE Internal LBMP Energy Sales	56%	56%	59%	54%	55%	58%	65%	63%	60%			
DAM External TC LBMP Energy Sales	6%	5%	5%	7%	4%	3%	2%	4%	4%			
DAM Bilateral - Internal Bilaterals	30%	30%	27%	30%	31%	29%	26%	27%	30%			
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	6%	6%	6%	5%	3%	3%	2%			
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	2%	1%	2%	2%			
DAM Bilateral - Wheel Through Bilaterals	1%	1%	1%	1%	1%	2%	2%	2%	2%			
Balancing Energy Market MWh	-26,753	-142,168	144,076	22,599	-137,565	-180,149	403,914	212,307	-173,115			_
Balancing Energy LSE Internal LBMP Energy Sales	-1080%	-221%	-85%	-884%	-187%	-134%	85%	99%	-95%			
Balancing Energy External TC LBMP Energy Sales	1156%	181%	240%	1233%	137%	99%	35%	43%	104%			
Balancing Energy Bilateral - Internal Bilaterals	62%	5%	12%	55%	12%	7%	2%	1%	0%			
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	0%	0%	0%			
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	127%	16%	18%	92%	12%	5%	2%	4%	7%			
Balancing Energy Bilateral - Wheel Through Bilaterals	-365%	-81%	-85%	-396%	-74%	-77%	-24%	-46%	-116%			
Transactions Summary	00070	0170	0070	00070	7 - 70	1170	2-170	4070	11070			
LBMP	62%	62%	65%	61%	59%	62%	68%	67%	64%			
Internal Bilaterals	31%	31%	27%	30%	32%	30%	26%	27%	31%			
					52 % 6%		3%		2%			
Import Bilaterals	5% 2%	5% 2%	6% 2%	6% 2%		5% 3%	3% 1%	3% 2%	2% 2%			
Export Bilaterals Wheels Through	2% 0%				2% 0%	2% 1%		2% 1%	2% 1%			
	<u> </u>	1%	0%	0%	0%	1%	1%	170	1%			
Market Share of Total Load	400.004	101 101	00.00/	22.22/	404.004	404.004	07.00/	00 =0/	404.004			
Day Ahead Market	100.2%	101.1%	98.9%	99.8%	101.2%	101.3%	97.6%	98.7%	101.3%			
Balancing Energy +	-0.2%	-1.1%	1.1%	0.2%	-1.2%	-1.3%	2.4%	1.3%	-1.3%			
Total MWH	14,167,856	13,030,501	12,640,075	11,394,989			17,033,251					
Average Daily Energy Sendout/Month GWh	423	417	375	344	345	430	530	489	408			
2010	lanuary	Fobruary	March	Anril	May	luno	luky	August	Sontombor	Octobor	November	Docombor
2019	<u>January</u>	<u>February</u>	March	April	<u>May</u>	<u>June</u>	<u>July</u>		September	October	November	<u>December</u>
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%
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	15,299,458 57% 6% 29% 5% 1% 2%	13,391,383 57% 5% 30% 5% 1% 2%	13,527,834 59% 3% 30% 5% 2% 2%	11,811,029 59% 1% 31% 5% 2% 2%	12,521,583 57% 3% 32% 6% 2% 1%	13,723,372 58% 3% 29% 5% 2% 2%	17,416,589 64% 3% 26% 4% 1% 2%	16,379,968 63% 3% 26% 4% 1% 2%	13,588,715 58% 3% 30% 5% 2% 2%	12,567,821 57% 4% 32% 5% 2% 1%	13,036,152 54% 6% 32% 5% 2% 1%	14,345,711 56% 6% 30% 5% 2% 1%
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  Balancing Energy Market MWh	15,299,458 57% 6% 29% 5% 1% 2% -322,442	13,391,383 57% 5% 30% 5% 1% 2% -323,188	13,527,834 59% 3% 30% 5% 2% 2% -261,217	11,811,029 59% 1% 31% 5% 2% 2% -218,482	12,521,583 57% 3% 32% 6% 2% 1% -392,699	13,723,372 58% 3% 29% 5% 2% 2% -102,044	17,416,589 64% 3% 26% 4% 1% 2% 103,628	16,379,968 63% 3% 26% 4% 1% 2% -514,102	13,588,715 58% 3% 30% 5% 2% 2% -247,267	12,567,821 57% 4% 32% 5% 2% 1% -112,057	13,036,152 54% 6% 32% 5% 2% 1% -17,421	14,345,711 56% 6% 30% 5% 2% 1% 46,828
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  Balancing Energy Market MWh  Balancing 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% -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%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65%	13,391,383 57% 5% 30% 5% 1% 2% -323,188	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93%	12,567,821 57% 4% 32% 5% 2% 1% -112,057	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4%	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% 113% 2%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1%	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% -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% 699% 39%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1% 0%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 0%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5% 15%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39% 0%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67% -1%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82% -3%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113% 2%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 0% 8%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93% -4%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435% 103%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67% -1% 0%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82% -3% 0%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113% 2% 0%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1% 0%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 0%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5% 15%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0% 0%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93% -4% 0%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6% 0%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435% 103% 0%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39% 0%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67% -1% 0% 7%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82% -3% 0% 6%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113% 2% 0% 7%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1% 0% 2%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 0% 0% 8%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5% 15% 8%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0% 0% 0% 1%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93% -4% 0% 6%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6% 0% 25%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435% 103% 0% 170%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39% 0% 70%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC 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	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67% -1% 0% 7%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82% -3% 0% 6%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113% 2% 0% 7%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1% 0% 2%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 0% 0% 8%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5% 15% 8%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0% 0% 0% 1%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93% -4% 0% 6%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6% 0% 25%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435% 103% 0% 170%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39% 0% 70%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC 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  Transactions Summary	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3% -45%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67% -1% 0% 7% -47%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82% -3% 0% 6% -47%	-11,811,029 59% 1% 31% 5% 2% -28 -218,482 -178% 113% 2% 0% 7% -44%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1% 0% 2% -21%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 0% 8% -77%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5% 15% 8% -125%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0% 0% 1% -23%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93% -4% 0% 6% -31%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6% 0% 25% -52%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435% 103% 0% 170% -476%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39% 0% 70% -229%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC 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  Transactions Summary  LBMP	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3% -45%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67% -1% 0% 7% -47%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82% -3% 0% 6% -47%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113% 2% 0% 7% -44%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1% 0% 2% -21%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 0% 8% -77%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5% 15% 8% -125%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0% 0% 1% -23%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93% -4% 0% 6% -31%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6% 0% 25% -52% 61%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435% 103% 0% 170% -476%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39% 0% 70% -229%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC 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  Transactions Summary  LBMP  Internal Bilaterals	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3% -45%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67% -1% 0% 7% -47% 62% 30%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82% -3% 0% 6% -47%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113% 2% 0% 7% -44%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1% 0% 2% -21% 59% 33%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 0% 8% -77% 62% 30%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5% 15% 8% -125%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0% 0% 1% -23%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93% -4% 0% 6% -31%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6% 0% 25% -52%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435% 103% 0% 170% -476%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39% 0% 70% -229%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3% -45% 63% 29% 5%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67% -1% 0% 7% -47% 62% 30% 5%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82% -3% 0% 6% -47% 61% 30% 6%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113% 2% 0% 7% -44% 60% 31% 6%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1% 0% 2% -21% 59% 33% 6%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 6% -77% 62% 30% 5%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5% 15% 8% -125%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0% 0% 1% -23% 65% 27% 5%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93% -4% 0% 6% -31% 61% 30% 5%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6% 0% 25% -52% 61% 32% 5%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435% 103% 0% 170% -476% 60% 32% 5%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39% 0% 70% -229% 63% 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  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC 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  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3% -45% 63% 29% 5% 1%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67% -1% 0% 7% -47% 62% 30% 5% 2%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82% -3% 0% 6% -47% 61% 30% 6% 2%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113% 2% 0% 7% -44% 60% 31% 6% 2%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1% 0% 2% -21% 59% 33% 6% 2%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 0% 8% -77% 62% 30% 5% 2%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5% 15% 8% -125% 68% 25% 4% 1%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0% 0% 1% -23% 65% 27% 5% 1%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93% -4% 0% 6% -31% 61% 30% 5% 2%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6% 0% 25% -52% 61% 32% 5% 2%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435% 103% 0% 170% -476% 60% 32% 5% 2%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39% 0% 70% -229% 63% 30% 5% 2%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC 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  Transactions Summary  LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Export Bilaterals Wheels Through	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3% -45% 63% 29% 5% 1%	13,391,383 57% 5% 30% 5% 1% 2% -323,188 -126% 67% -1% 0% 7% -47% 62% 30% 5% 2%	13,527,834 59% 3% 30% 5% 2% 2% -261,217 -138% 82% -3% 0% 6% -47% 61% 30% 6% 2%	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%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 0% 0% 8% -77% 62% 30% 5% 2%	17,416,589 64% 3% 26% 4% 1% 2% 103,628 -2% 199% 5% 15% 8% -125% 68% 25% 4% 1%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0% 0% 1% -23% 65% 27% 5% 1%	13,588,715 58% 3% 30% 5% 2% 2% -247,267 -163% 93% -4% 0% 6% -31% 61% 30% 5% 2%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6% 0% 25% -52% 61% 32% 5% 2%	13,036,152 54% 6% 32% 5% 2% 1% -17,421 -1332% 1435% 103% 0% 170% -476% 60% 32% 5% 2%	14,345,711 56% 6% 30% 5% 2% 1% 46,828 -480% 699% 39% 0% 70% -229% 63% 30% 5% 2%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC 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 Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Export Bilaterals Day Ahead Market	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3% -45% 63% 29% 5% 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%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 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% 1% -23% 65% 27% 5% 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%	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%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Export Bilaterals Mheels 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% 102.2% -2.2%	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%	11,811,029 59% 1% 31% 5% 2% 22% -218,482 -178% 113% 2% 0% -7% -44% 60% 31% 6% 2% 1% 101.9% -1.9%	12,521,583 57% 3% 32% 6% 2% 1% -392,699 -150% 68% 1% 0% 2% -21% 59% 33% 6% 2% 0% 103.2% -3.2%	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%	16,379,968 63% 3% 26% 4% 1% 2% -514,102 -119% 41% 0% 0% 1% -23% 65% 27% 5% 1% 1% 1% 1% 103.2% -3.2%	13,588,715 58% 3% 30% 5% 2% 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% 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%
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  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC 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  Transactions Summary  LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Export Bilaterals Day Ahead Market Balancing Energy +	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3% -45% 63% 29% 5% 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%	13,723,372 58% 3% 29% 5% 2% 2% -102,044 -264% 233% 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% 1% -23% 65% 27% 5% 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%	12,567,821 57% 4% 32% 5% 2% 1% -112,057 -346% 266% 6% 0% 25% -52% 61% 32% 5% 2% 0% 100.9%	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% 99.7%

<sup>+</sup> Balancing Energy: Load(MW) purchased at Real Time LBMP.

Notes: Percent totals may not equal 100% due to rounding. Virtual Transactions are not reflected in this chart.

<u>2020</u>

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

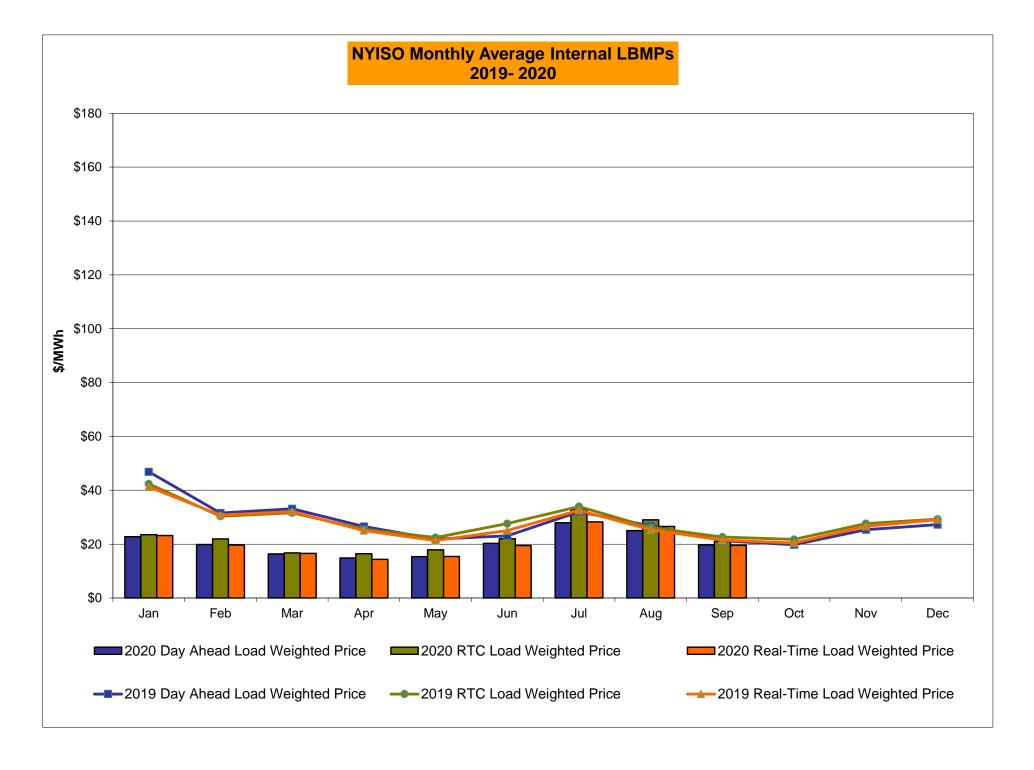
#### NYISO Markets 2020 Energy Statistics

DAY AUGAD I DMD	January	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November [	<u>December</u>
DAY AHEAD LBMP Price *	\$22.11	\$19.48	\$16.07	\$14.67	\$14.97	\$19.15	\$26.30	\$23.61	\$18.88			
Standard Deviation	\$7.43	\$4.45	\$3.21	\$2.71	\$3.55	\$6.40	\$10.45	\$8.56	\$5.41			
Load Weighted Price **	\$22.77	\$19.84	\$16.36	\$14.86	\$15.37	\$20.28	\$27.94	\$25.01	\$19.72			
3	,	•	,	•	,	•	•	•	•			
RTC LBMP												
Price *	\$22.86	\$21.48	\$16.48	\$16.23	\$17.46	\$20.84	\$30.70	\$26.86	\$19.90			
Standard Deviation	\$9.33	\$53.30	\$4.84	\$5.17	\$8.61	\$11.26	\$17.92	\$17.17	\$11.37			
Load Weighted Price **	\$23.50	\$21.94	\$16.74	\$16.44	\$17.89	\$22.01	\$32.92	\$29.01	\$20.99			
REAL TIME LBMP	<b>^</b>			<b></b>		<b>A.</b> A. A. =	<b>***</b>					
Price *	\$22.53	\$19.29	\$16.24	\$14.14	\$14.90	\$18.35	\$26.56	\$24.68	\$18.63			
Standard Deviation	\$11.90	\$8.68	\$7.48	\$6.98	\$8.35	\$9.33	\$16.45	\$13.95	\$7.15			
Load Weighted Price **	\$23.20	\$19.68	\$16.58	\$14.35	\$15.42	\$19.46	\$28.27	\$26.53	\$19.54			
Average Daily Energy Sendout/Month GWh	423	417	375	344	345	430	530	489	408			
· · · · · · · · · · · · · · · · · · ·												
				NYISO	Markets	2019 Ene	rgy Stati	stics				
DAY AUGAD I DMD	<u>January</u>	February	<u>March</u>	NYISO April	Markets	2019 Ene	rgy Stati		<u>September</u>	<u>October</u>	November [	<u>December</u>
DAY AHEAD LBMP				<u>April</u>	<u>May</u>	<u>June</u>	July	August				
Price *	\$45.01	\$30.66	\$32.34	<u>April</u> \$25.97	<u>May</u> \$21.16	<u>June</u> \$21.79	<u>July</u> \$30.16	<u>August</u> \$25.35	\$20.45	\$19.18	\$24.65	\$26.29
Price * Standard Deviation	\$45.01 \$25.67	\$30.66 \$12.86	\$32.34 \$9.30	April \$25.97 \$6.32	May \$21.16 \$5.89	<u>June</u> \$21.79 \$7.28	<u>July</u> \$30.16 \$12.06	August \$25.35 \$8.73	\$20.45 \$5.57	\$19.18 \$5.09	\$24.65 \$7.73	\$26.29 \$11.81
Price *	\$45.01	\$30.66	\$32.34	<u>April</u> \$25.97	<u>May</u> \$21.16	<u>June</u> \$21.79	<u>July</u> \$30.16	<u>August</u> \$25.35	\$20.45	\$19.18	\$24.65	\$26.29
Price * Standard Deviation Load Weighted Price **	\$45.01 \$25.67	\$30.66 \$12.86	\$32.34 \$9.30	April \$25.97 \$6.32	May \$21.16 \$5.89	<u>June</u> \$21.79 \$7.28	<u>July</u> \$30.16 \$12.06	August \$25.35 \$8.73	\$20.45 \$5.57	\$19.18 \$5.09	\$24.65 \$7.73	\$26.29 \$11.81
Price * Standard Deviation Load Weighted Price **  RTC LBMP	\$45.01 \$25.67 \$46.88	\$30.66 \$12.86 \$31.53	\$32.34 \$9.30 \$33.14	April \$25.97 \$6.32 \$26.57	May \$21.16 \$5.89 \$21.89	<u>June</u> \$21.79 \$7.28 \$23.04	<u>July</u> \$30.16 \$12.06 \$31.98	August \$25.35 \$8.73 \$26.83	\$20.45 \$5.57 \$21.23	\$19.18 \$5.09 \$19.77	\$24.65 \$7.73 \$25.36	\$26.29 \$11.81 \$27.22
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price *	\$45.01 \$25.67 \$46.88 \$40.86	\$30.66 \$12.86 \$31.53 \$29.74	\$32.34 \$9.30 \$33.14 \$31.04	April \$25.97 \$6.32 \$26.57	May \$21.16 \$5.89 \$21.89 \$21.88	<u>June</u> \$21.79 \$7.28 \$23.04 \$25.67	July \$30.16 \$12.06 \$31.98 \$32.23	August \$25.35 \$8.73 \$26.83 \$24.92	\$20.45 \$5.57 \$21.23 \$21.70	\$19.18 \$5.09 \$19.77	\$24.65 \$7.73 \$25.36 \$26.82	\$26.29 \$11.81 \$27.22 \$28.17
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation	\$45.01 \$25.67 \$46.88 \$40.86 \$23.02	\$30.66 \$12.86 \$31.53 \$29.74 \$10.79	\$32.34 \$9.30 \$33.14 \$31.04 \$8.48	\$25.97 \$6.32 \$26.57 \$25.07 \$7.53	May \$21.16 \$5.89 \$21.89 \$21.88 \$8.01	June \$21.79 \$7.28 \$23.04 \$25.67 \$23.45	30.16 \$12.06 \$31.98 \$32.23 \$21.96	August \$25.35 \$8.73 \$26.83 \$24.92 \$14.96	\$20.45 \$5.57 \$21.23 \$21.70 \$9.22	\$19.18 \$5.09 \$19.77 \$20.92 \$13.95	\$24.65 \$7.73 \$25.36 \$26.82 \$10.37	\$26.29 \$11.81 \$27.22 \$28.17 \$16.26
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price *	\$45.01 \$25.67 \$46.88 \$40.86	\$30.66 \$12.86 \$31.53 \$29.74	\$32.34 \$9.30 \$33.14 \$31.04	April \$25.97 \$6.32 \$26.57	May \$21.16 \$5.89 \$21.89 \$21.88	<u>June</u> \$21.79 \$7.28 \$23.04 \$25.67	July \$30.16 \$12.06 \$31.98 \$32.23	August \$25.35 \$8.73 \$26.83 \$24.92	\$20.45 \$5.57 \$21.23 \$21.70	\$19.18 \$5.09 \$19.77	\$24.65 \$7.73 \$25.36 \$26.82	\$26.29 \$11.81 \$27.22 \$28.17
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation	\$45.01 \$25.67 \$46.88 \$40.86 \$23.02	\$30.66 \$12.86 \$31.53 \$29.74 \$10.79	\$32.34 \$9.30 \$33.14 \$31.04 \$8.48	\$25.97 \$6.32 \$26.57 \$25.07 \$7.53	May \$21.16 \$5.89 \$21.89 \$21.88 \$8.01	June \$21.79 \$7.28 \$23.04 \$25.67 \$23.45	30.16 \$12.06 \$31.98 \$32.23 \$21.96	August \$25.35 \$8.73 \$26.83 \$24.92 \$14.96	\$20.45 \$5.57 \$21.23 \$21.70 \$9.22	\$19.18 \$5.09 \$19.77 \$20.92 \$13.95	\$24.65 \$7.73 \$25.36 \$26.82 \$10.37	\$26.29 \$11.81 \$27.22 \$28.17 \$16.26
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation Load Weighted Price **	\$45.01 \$25.67 \$46.88 \$40.86 \$23.02 \$42.39	\$30.66 \$12.86 \$31.53 \$29.74 \$10.79 \$30.32	\$32.34 \$9.30 \$33.14 \$31.04 \$8.48 \$31.62	\$25.97 \$6.32 \$26.57 \$25.07 \$7.53 \$25.54	May \$21.16 \$5.89 \$21.89 \$21.88 \$8.01 \$22.44	June \$21.79 \$7.28 \$23.04 \$25.67 \$23.45	30.16 \$12.06 \$31.98 \$32.23 \$21.96	\$25.35 \$8.73 \$26.83 \$24.92 \$14.96 \$26.14	\$20.45 \$5.57 \$21.23 \$21.70 \$9.22 \$22.60	\$19.18 \$5.09 \$19.77 \$20.92 \$13.95	\$24.65 \$7.73 \$25.36 \$26.82 \$10.37	\$26.29 \$11.81 \$27.22 \$28.17 \$16.26 \$29.24
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation Load Weighted Price **  REAL TIME LBMP	\$45.01 \$25.67 \$46.88 \$40.86 \$23.02	\$30.66 \$12.86 \$31.53 \$29.74 \$10.79 \$30.32	\$32.34 \$9.30 \$33.14 \$31.04 \$8.48	April \$25.97 \$6.32 \$26.57 \$25.07 \$7.53 \$25.54	May \$21.16 \$5.89 \$21.89 \$21.88 \$8.01	<u>June</u> \$21.79 \$7.28 \$23.04  \$25.67 \$23.45 \$27.64	\$30.16 \$12.06 \$31.98 \$32.23 \$21.96 \$33.92	August \$25.35 \$8.73 \$26.83 \$24.92 \$14.96 \$26.14	\$20.45 \$5.57 \$21.23 \$21.70 \$9.22 \$22.60	\$19.18 \$5.09 \$19.77 \$20.92 \$13.95 \$21.76	\$24.65 \$7.73 \$25.36 \$26.82 \$10.37 \$27.64	\$26.29 \$11.81 \$27.22 \$28.17 \$16.26
Price * Standard Deviation Load Weighted Price **  RTC LBMP Price * Standard Deviation Load Weighted Price **  REAL TIME LBMP Price *	\$45.01 \$25.67 \$46.88 \$40.86 \$23.02 \$42.39	\$30.66 \$12.86 \$31.53 \$29.74 \$10.79 \$30.32	\$32.34 \$9.30 \$33.14 \$31.04 \$8.48 \$31.62	\$25.97 \$6.32 \$26.57 \$25.07 \$7.53 \$25.54	May \$21.16 \$5.89 \$21.89 \$21.88 \$8.01 \$22.44	<u>June</u> \$21.79 \$7.28 \$23.04  \$25.67 \$23.45 \$27.64	\$30.16 \$12.06 \$31.98 \$32.23 \$21.96 \$33.92 \$30.77	\$25.35 \$8.73 \$26.83 \$24.92 \$14.96 \$26.14	\$20.45 \$5.57 \$21.23 \$21.70 \$9.22 \$22.60	\$19.18 \$5.09 \$19.77 \$20.92 \$13.95 \$21.76	\$24.65 \$7.73 \$25.36 \$26.82 \$10.37 \$27.64	\$26.29 \$11.81 \$27.22 \$28.17 \$16.26 \$29.24

Average Daily Energy Sendout/Month GWh

<sup>\*</sup> Average zonal load weighted prices.

<sup>\*\*</sup> Average zonal load weighted prices, load weighted in each hour.

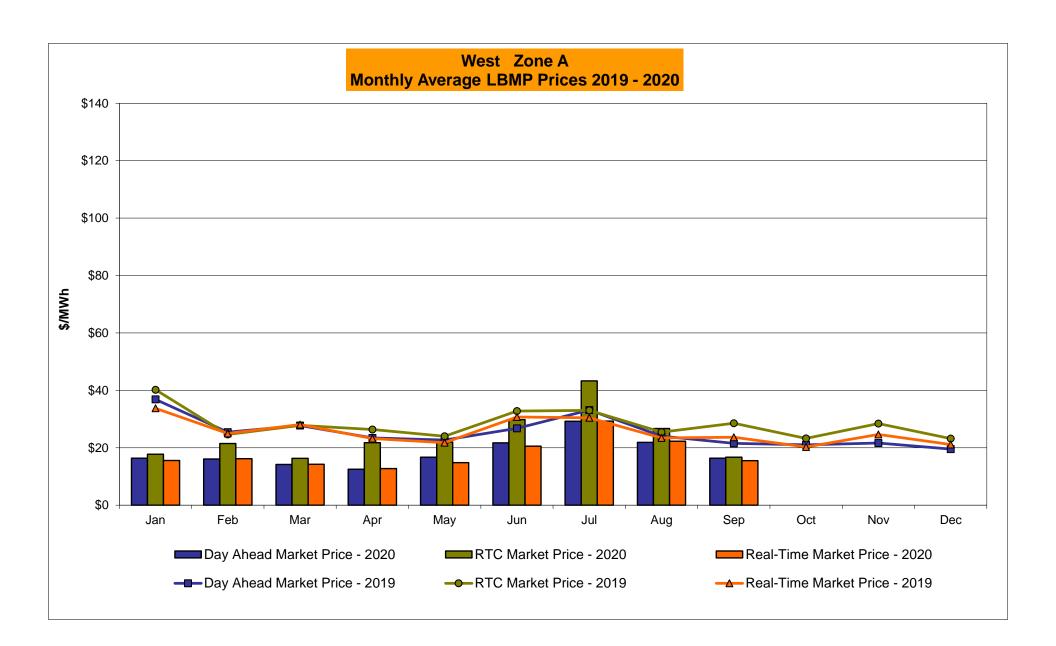


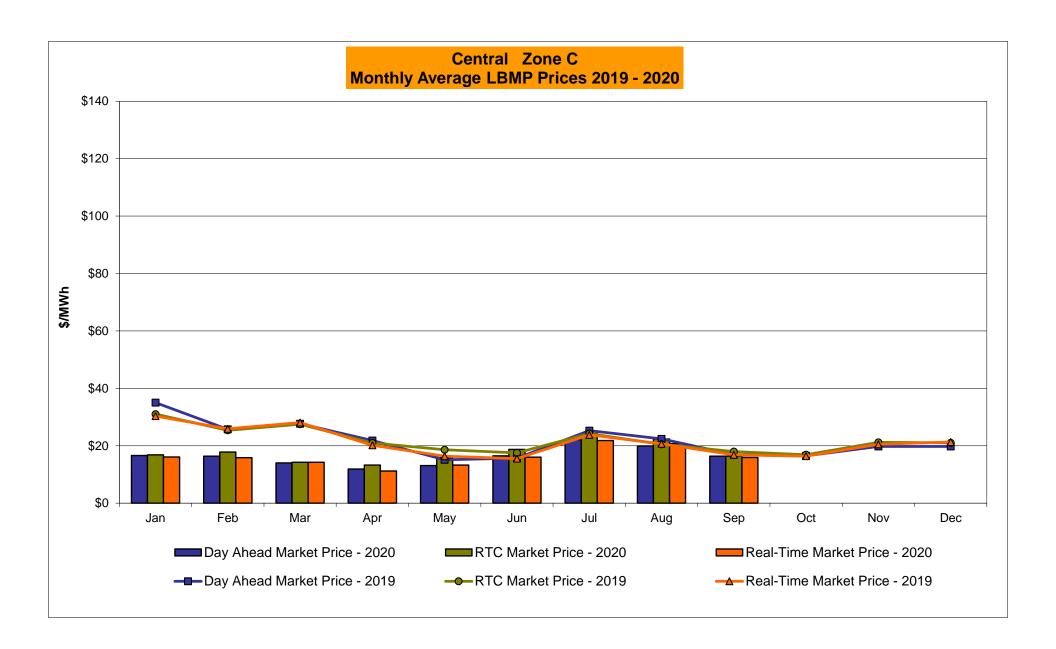
#### September 2020 Zonal LBMP Statistics for NYISO (\$/MWh)

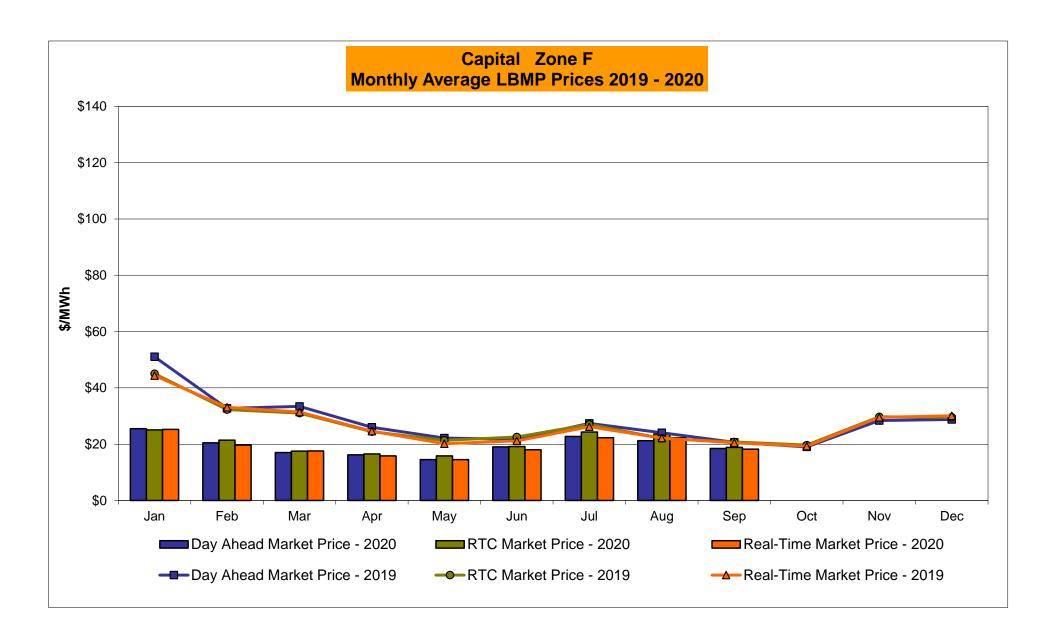
	WEST Zone A	GENESEE Zone B	NORTH Zone D	CENTRAL  Zone C	MOHAWK VALLEY <u>Zone E</u>	CAPITAL Zone F	HUDSON VALLEY Zone G	MILLWOOD Zone H	DUNWOODIE Zone I	NEW YORK CITY Zone J	LONG ISLAND <u>Zone K</u>
DAY AHEAD LBMP				<u>=0o                                  </u>			<u>=0o o</u>		<u>=00 .</u>		<u> </u>
Unweighted Price *	16.34	15.96	12.28	16.36	16.28	18.49	18.20	18.61	18.74	19.33	24.75
Standard Deviation	5.43	4.54	5.62	4.60	4.51	4.51	4.58	4.69	4.73	5.11	9.81
RTC LBMP											
Unweighted Price *	16.70	15.86	14.52	16.36	17.28	18.86	18.31	18.57	18.67	19.23	30.36
Standard Deviation	9.08	6.32	7.79	7.51	6.50	7.26	5.66	5.67	5.69	6.32	56.38
REAL TIME LBMP											
Unweighted Price *	15.48	15.35	14.21	15.92	16.76	18.23	17.63	18.13	18.25	18.88	25.18
Standard Deviation	6.73	5.97	6.97	6.04	6.49	7.28	6.33	5.96	6.06	7.03	20.31
	ONTARIO	HYDRO QUEBEC (Wheel) (	HYDRO QUEBEC	D IM	NEW		NORTHPORT-	NEDTLINE	I INDEN VET	HIIDSON	Dennison
	ONTARIO IESO	QUEBEC		РЈМ	NEW ENGLAND	SOUND CABLE	NORWALK	NEPTUNE Controllable	LINDEN VFT	HUDSON	Dennison Controllable
	IESO	QUEBEC (Wheel) (	QUEBEC Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	Controllable	<u>Controllable</u>
DAY AHEAD LBMP		QUEBEC	QUEBEC	PJM Zone P		SOUND CABLE	NORWALK				
<b>DAY AHEAD LBMP</b> Unweighted Price *	IESO	QUEBEC (Wheel) (	QUEBEC Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	Controllable	<u>Controllable</u>
	IESO Zone O	QUEBEC (Wheel) (I	QUEBEC Import/Export) Zone M	Zone P	ENGLAND  Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
Unweighted Price *	<b>Zone O</b> 15.27	QUEBEC (Wheel) (I Zone M	QUEBEC Import/Export) <u>Zone M</u> 14.64	<b>Zone P</b> 15.27	<b>Zone N</b> 18.75	SOUND CABLE Controllable Line	NORWALK Controllable Line 24.68	Controllable Line 21.54	Controllable Line 12.28	Controllable Line 19.06	Controllable Line 22.74
Unweighted Price * Standard Deviation	IESO  Zone O  15.27 4.00	QUEBEC (Wheel) (I Zone M 14.64 4.09	QUEBEC Import/Export)  Zone M  14.64 4.09	Zone P  15.27 4.00	<b>ENGLAND Zone N</b> 18.75  5.13	SOUND CABLE Controllable Line 17.05 4.58	NORWALK Controllable Line 24.68	Controllable Line 21.54 6.17	Controllable Line 12.28 5.38	Controllable Line 19.06 4.85	22.74 7.26
Unweighted Price * Standard Deviation  RTC LBMP	<b>Zone O</b> 15.27 4.00	QUEBEC (Wheel) (I Zone M 14.64 4.09	QUEBEC Import/Export)  Zone M  14.64 4.09	<b>Zone P</b> 15.27 4.00	<b>Zone N</b> 18.75 5.13	SOUND CABLE Controllable Line 17.05 4.58	NORWALK Controllable Line 24.68 11.64	Controllable Line 21.54 6.17	Controllable Line 12.28 5.38	Controllable Line 19.06 4.85	Controllable Line 22.74 7.26
Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price *	2one O  15.27 4.00  14.41 4.31	QUEBEC (Wheel) (I Zone M 14.64 4.09 15.15 5.50	QUEBEC Import/Export)  Zone M  14.64 4.09  15.15 5.50	Zone P  15.27 4.00  14.41 4.31	<b>Zone N</b> 18.75 5.13  19.62 10.90	SOUND CABLE Controllable Line 17.05 4.58	NORWALK Controllable Line 24.68 11.64 32.26 59.60	21.54 6.17 28.02 55.26	Controllable Line 12.28 5.38 16.25 13.80	19.06 4.85 18.67 5.34	22.74 7.26 27.90 54.59
Unweighted Price * Standard Deviation  RTC LBMP  Unweighted Price * Standard Deviation	IESO  Zone O  15.27 4.00	QUEBEC (Wheel) (I Zone M 14.64 4.09	QUEBEC Import/Export)  Zone M  14.64 4.09	Zone P  15.27 4.00	<b>ENGLAND Zone N</b> 18.75  5.13	SOUND CABLE Controllable Line 17.05 4.58	NORWALK Controllable Line 24.68 11.64	Controllable Line 21.54 6.17	Controllable Line 12.28 5.38	Controllable Line 19.06 4.85	22.74 7.26

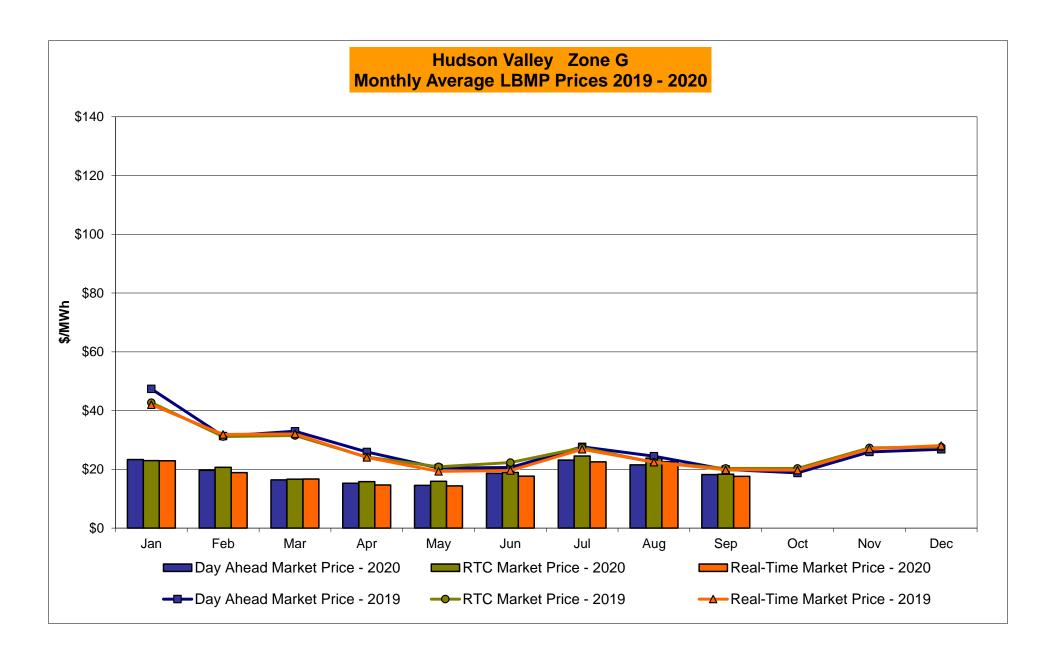
Market Mitigation and Analysis Prepared: 10/7/2020 3:55 PM

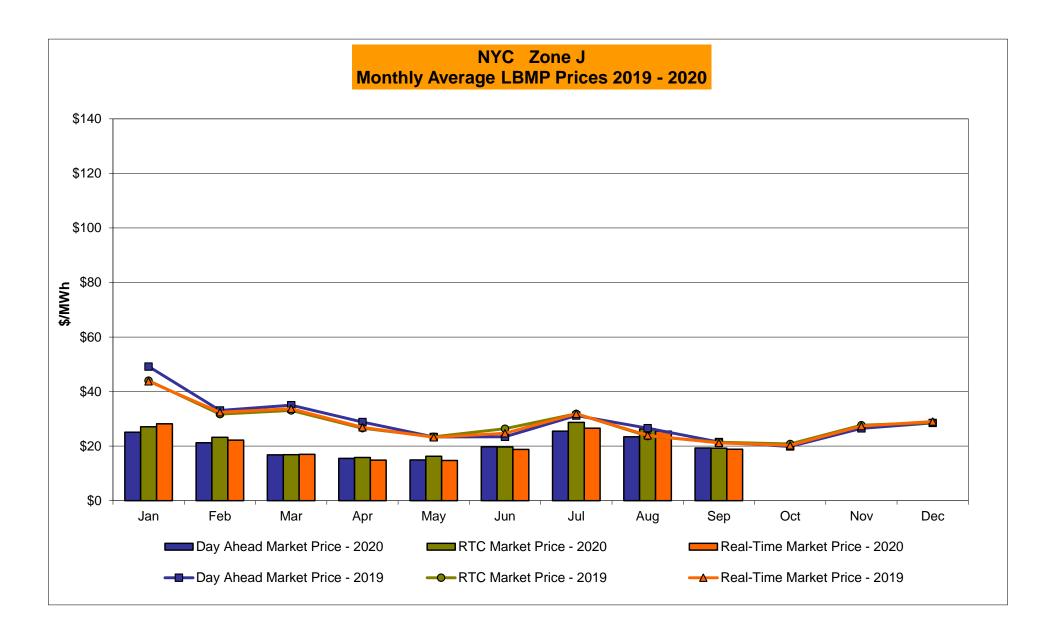
<sup>\*</sup> Straight LBMP averages

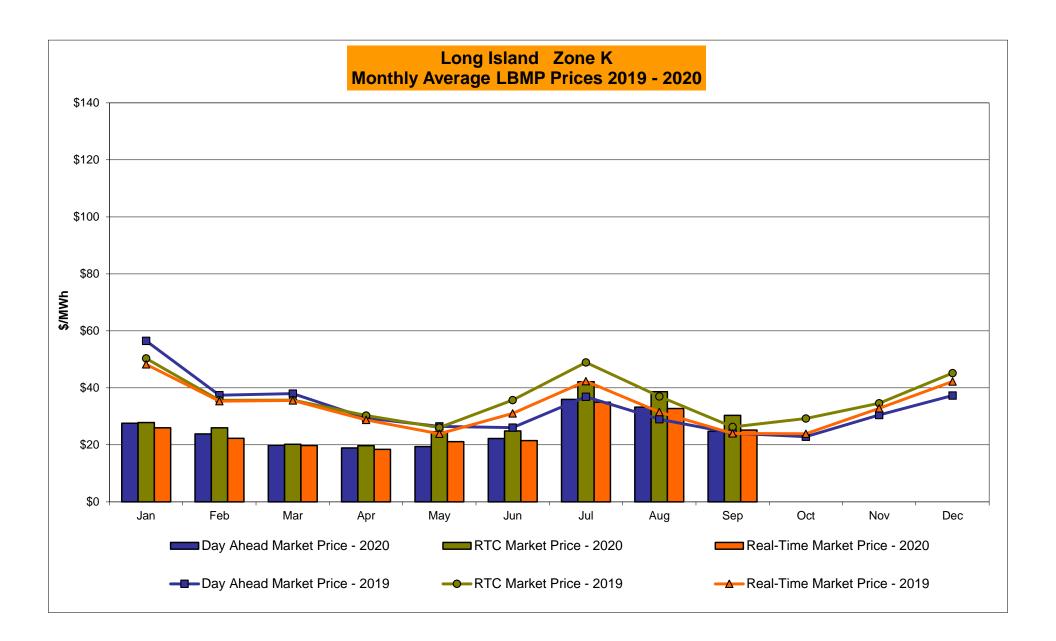


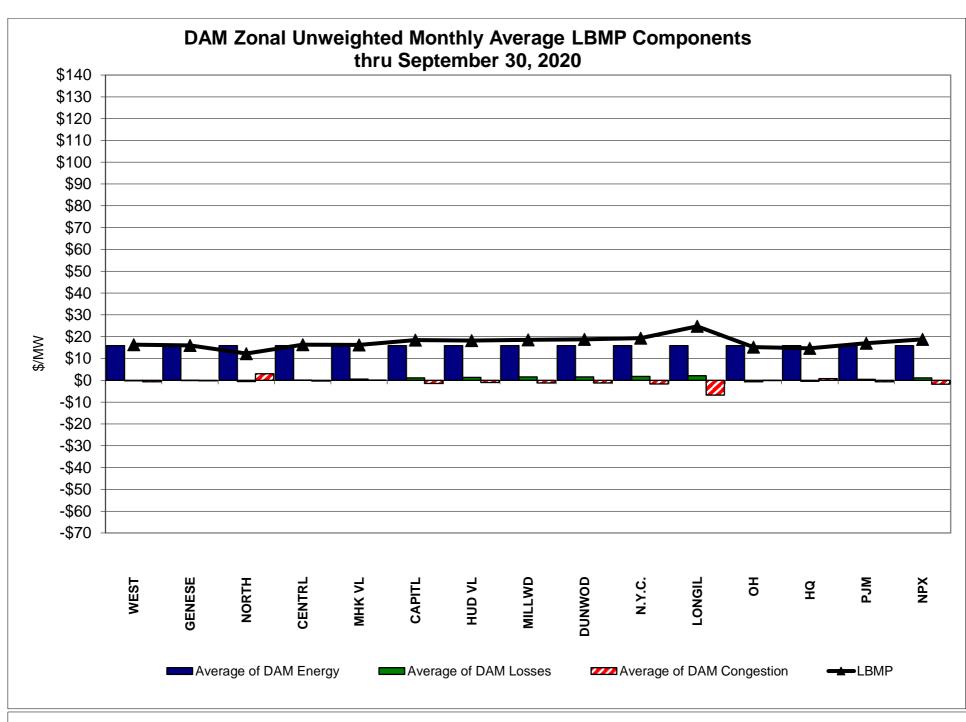


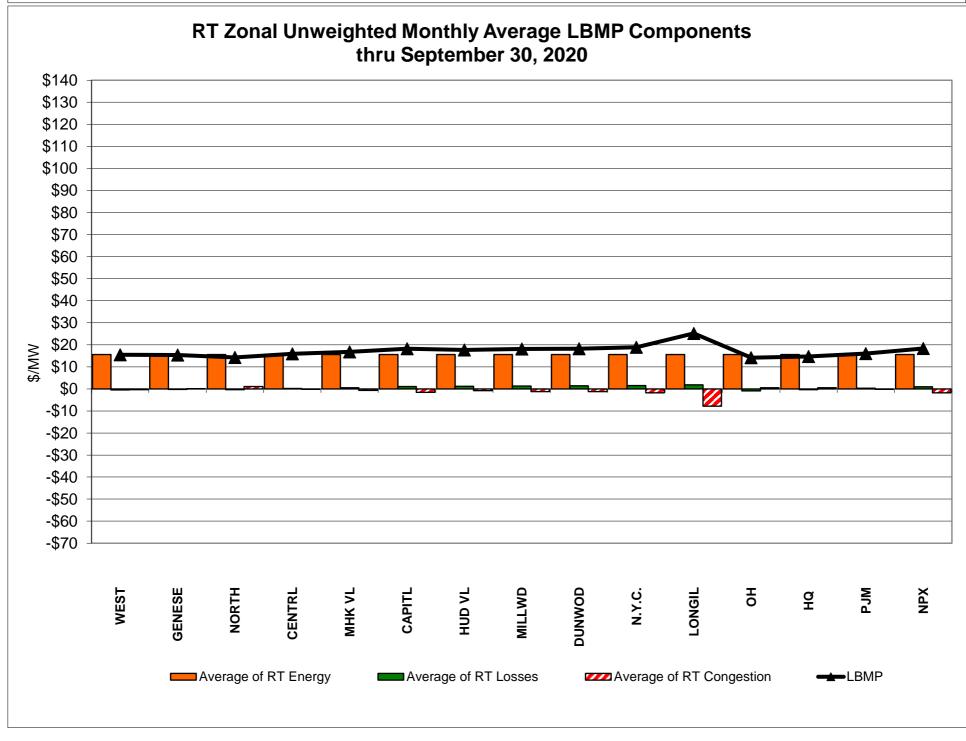




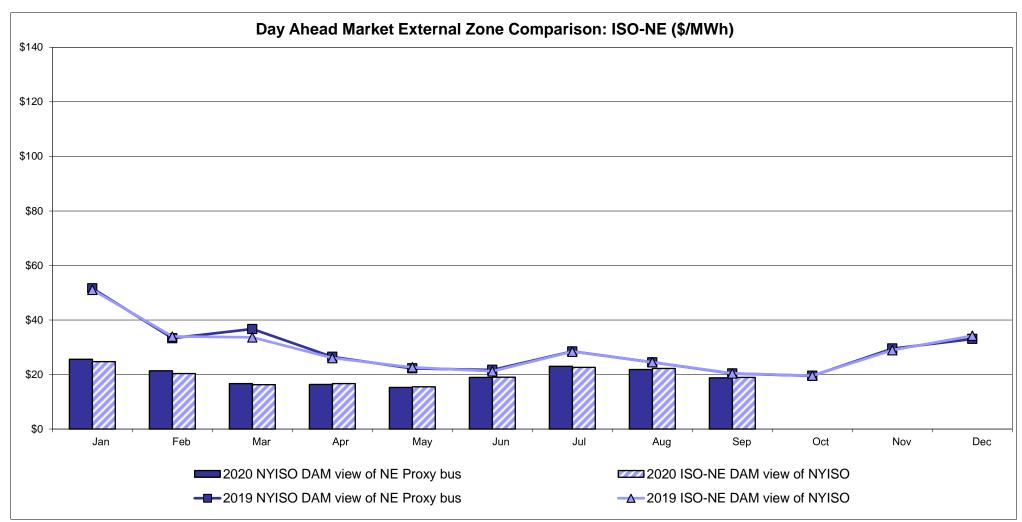


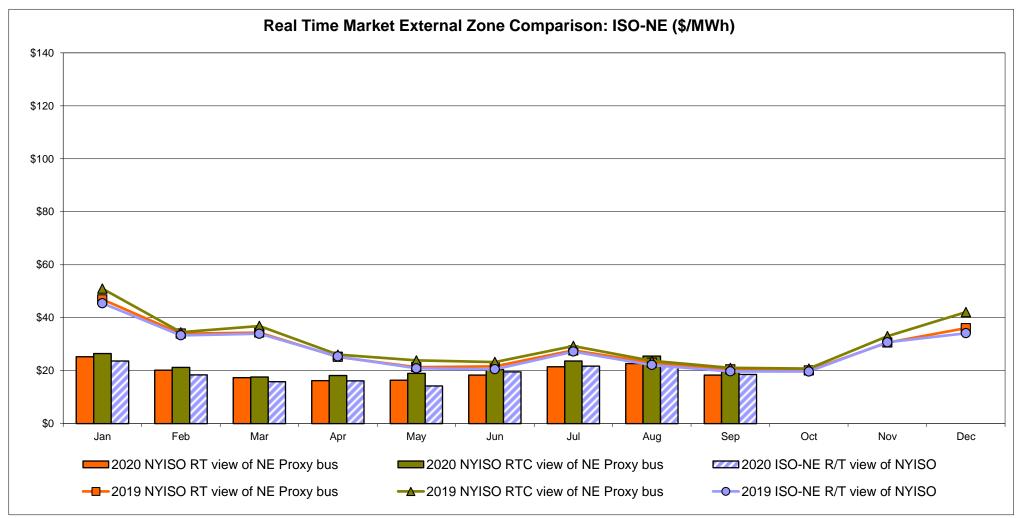




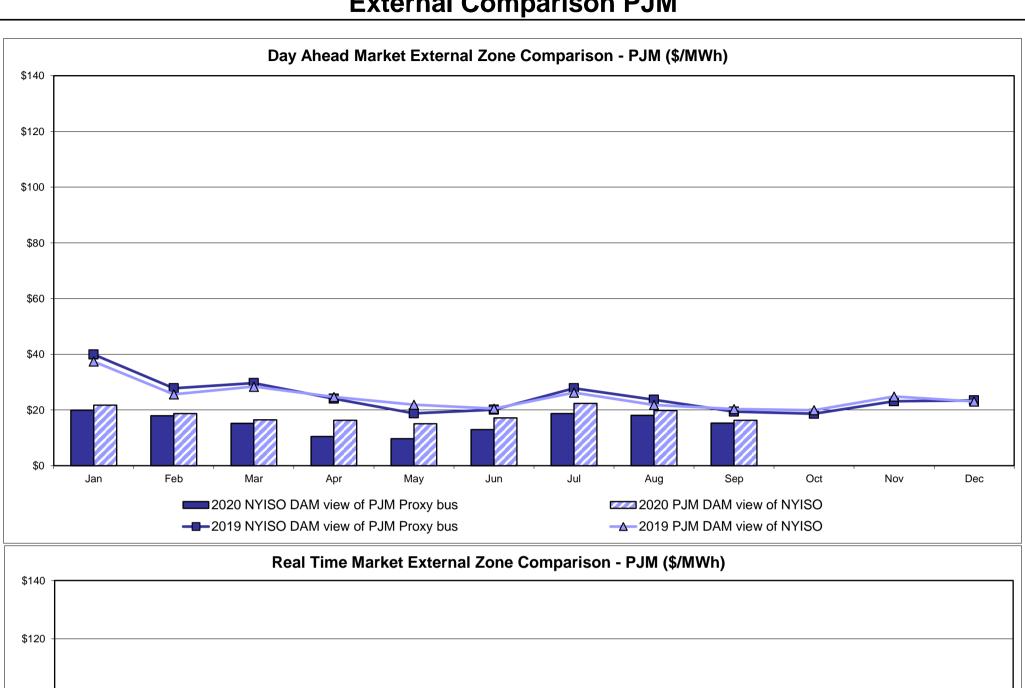


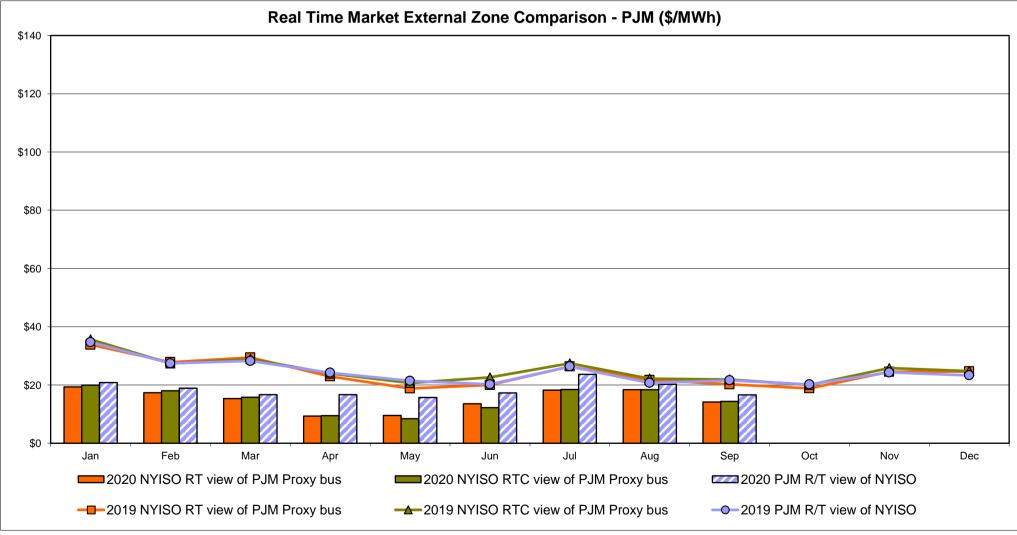
## **External Comparison ISO-New England**



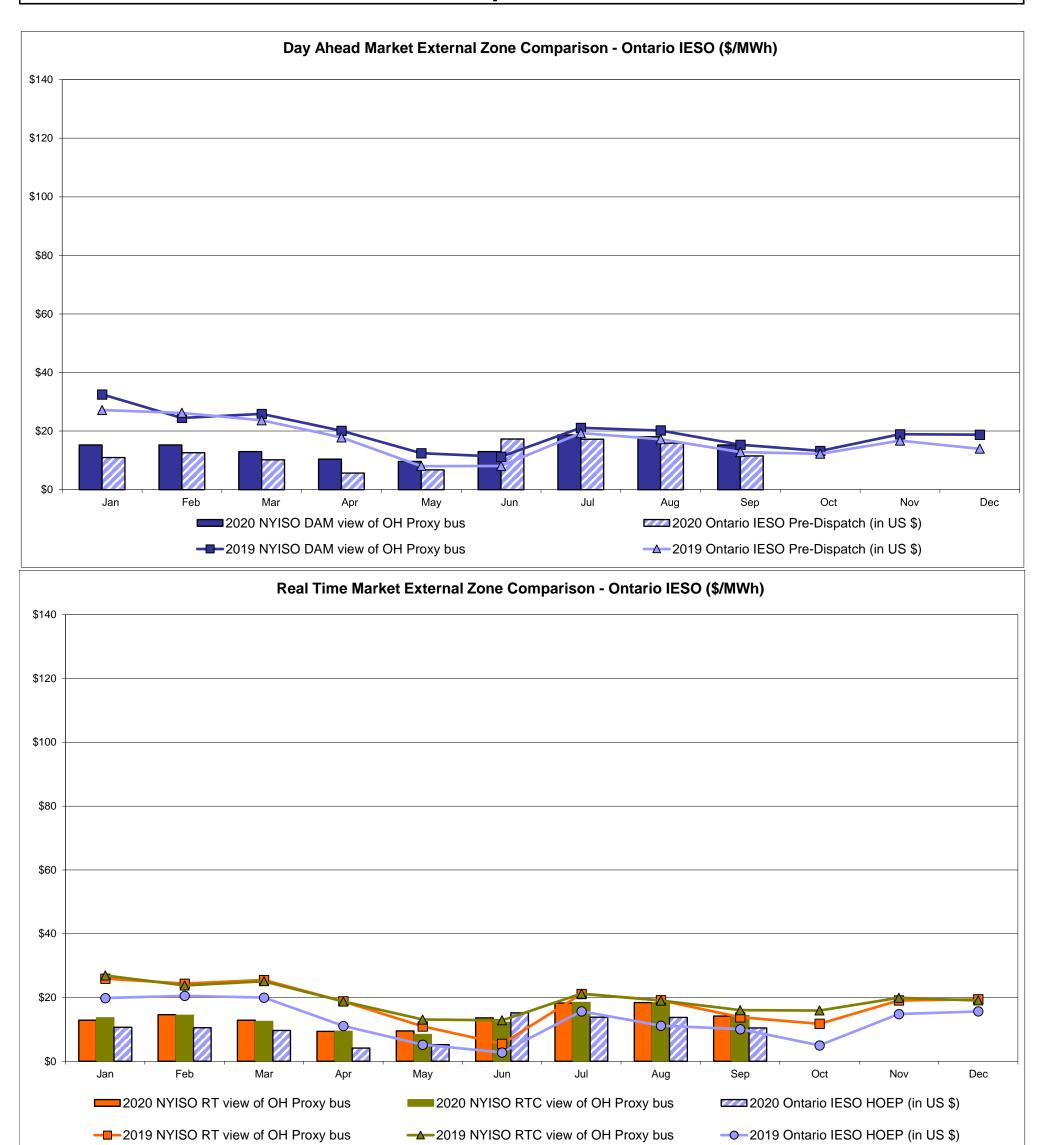


### **External Comparison PJM**





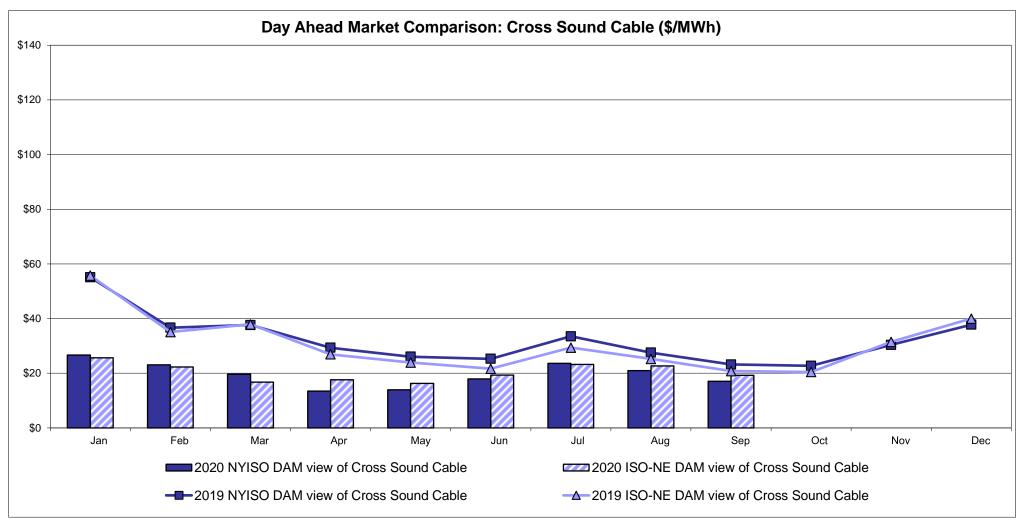
#### **External Comparison Ontario IESO**

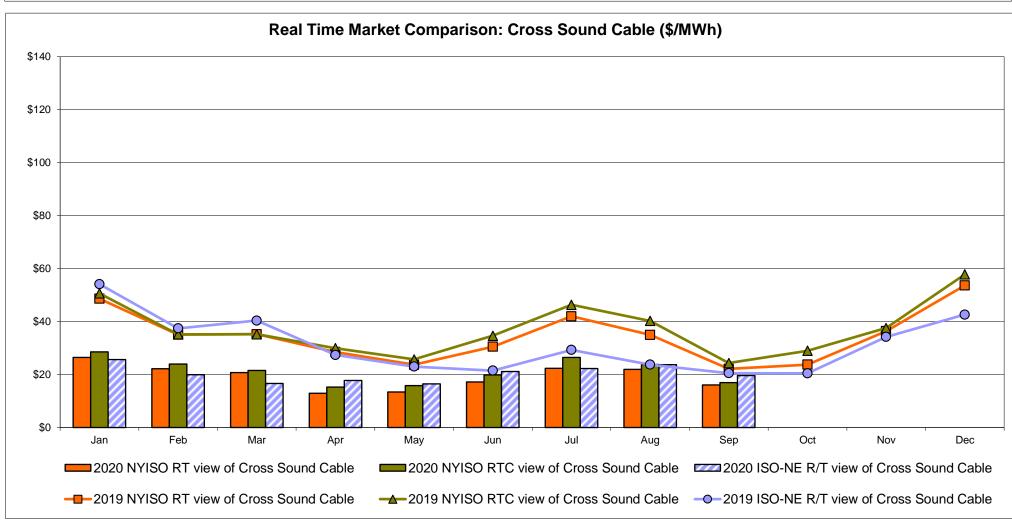


Notes: Exchange factor used for September 2020 was 0.755857898715042 to US

HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price

#### **External Controllable Line: Cross Sound Cable (New England)**





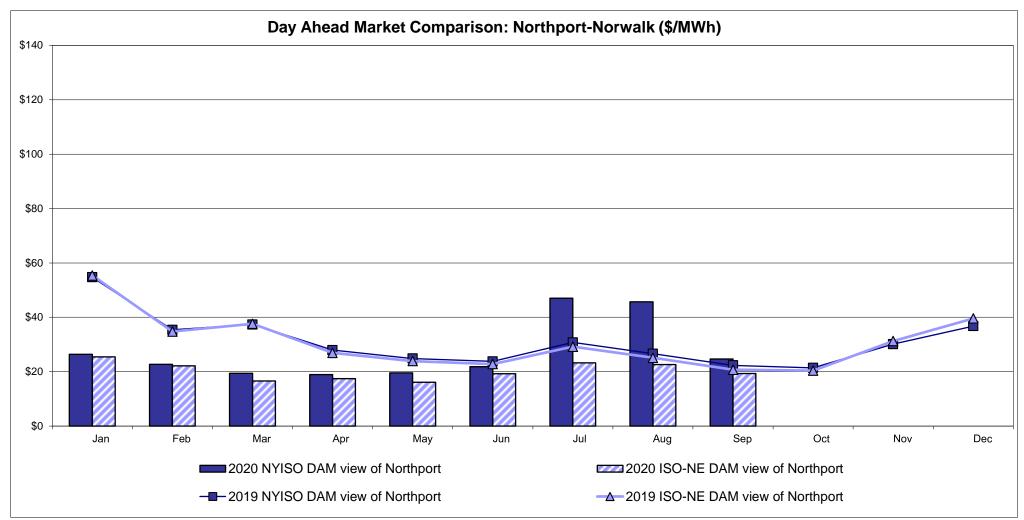
#### Note:

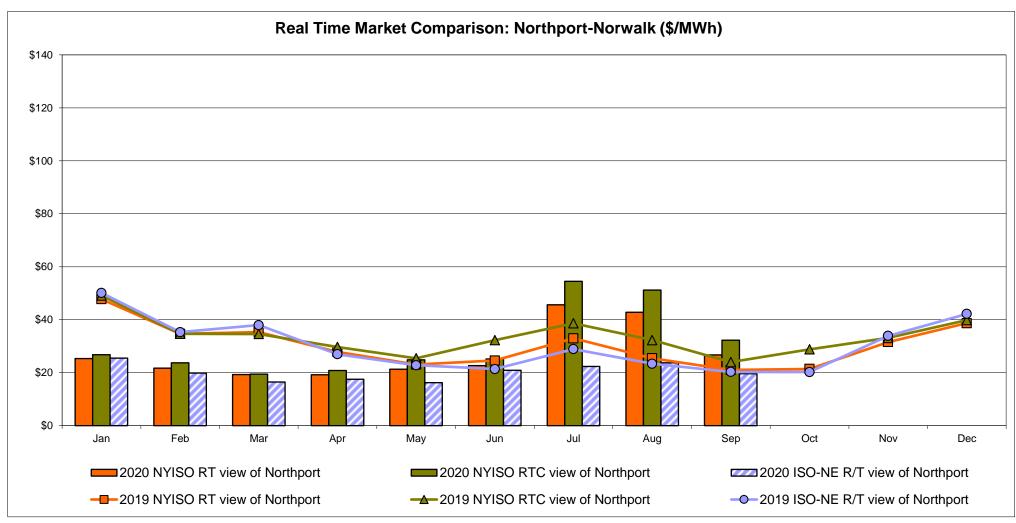
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

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

### **External Controllable Line: Northport - Norwalk (New England)**





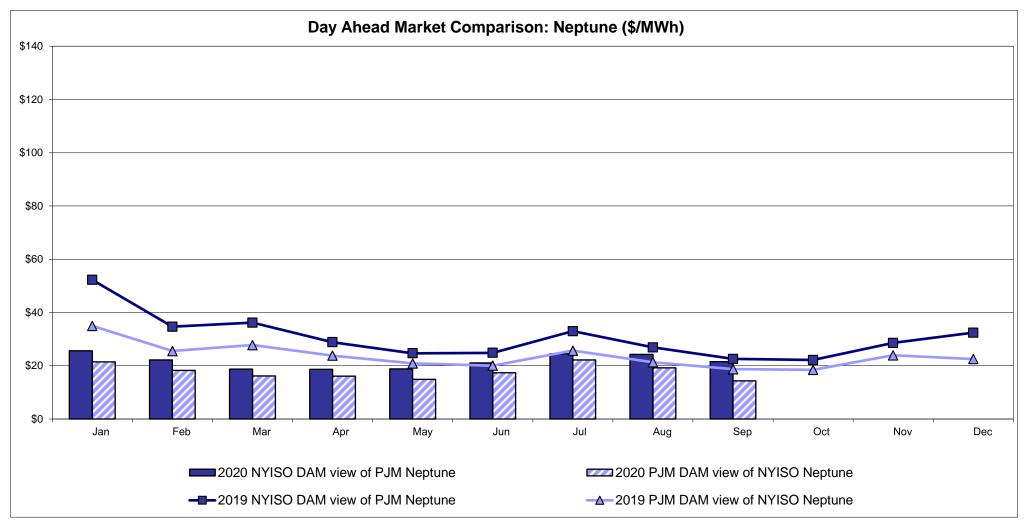
#### Note:

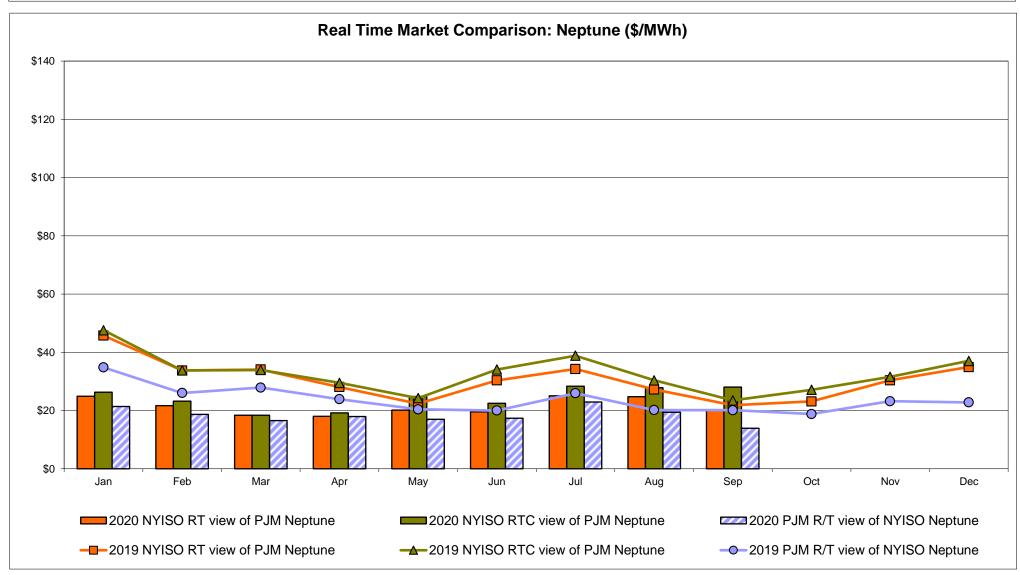
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

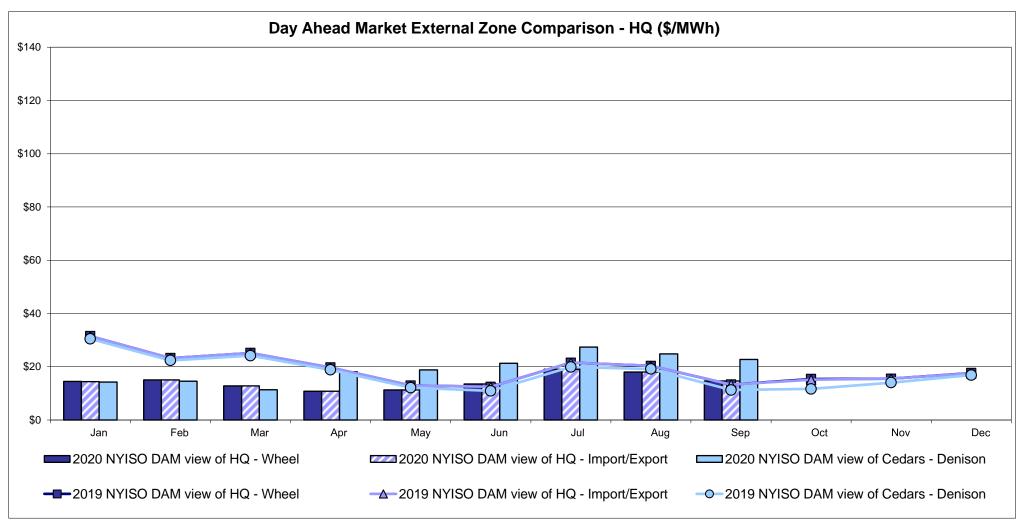
The DAM and R/T prices at the 1385 interface are used for NYISO.

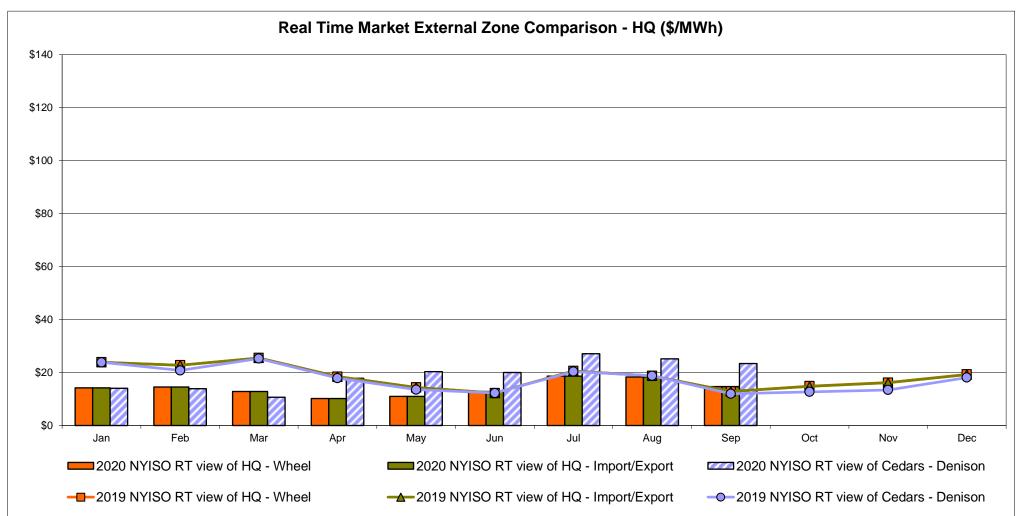
### **External Controllable Line: Neptune (PJM)**





## **External Comparison Hydro-Quebec**

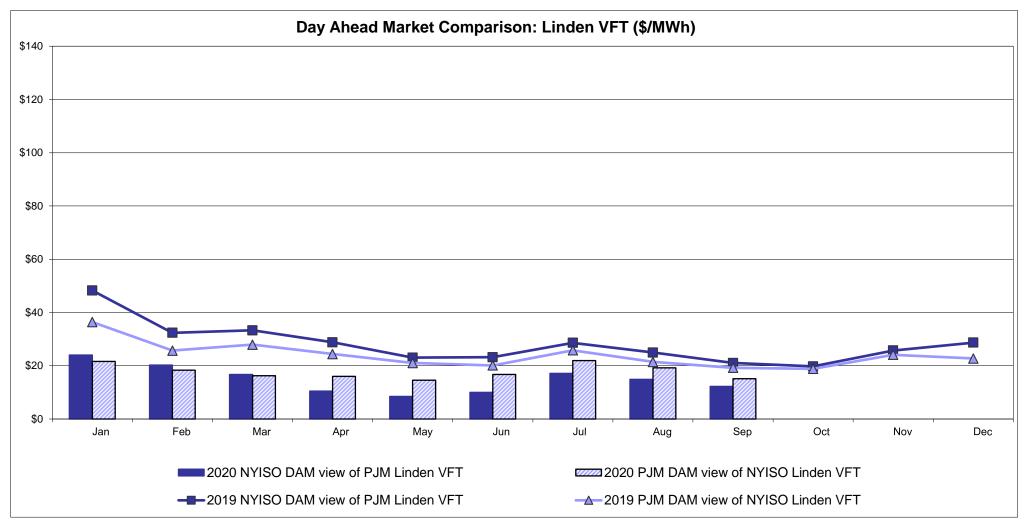


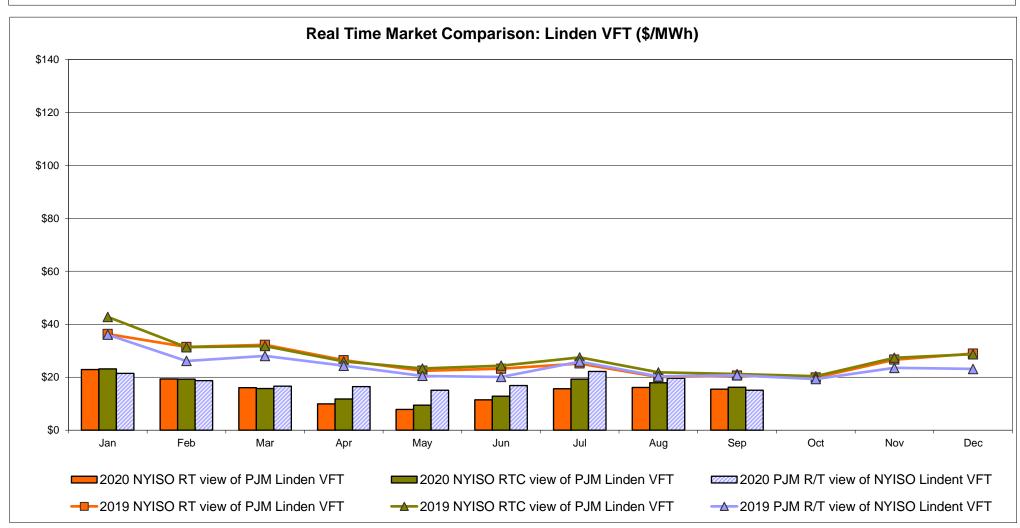


Note:

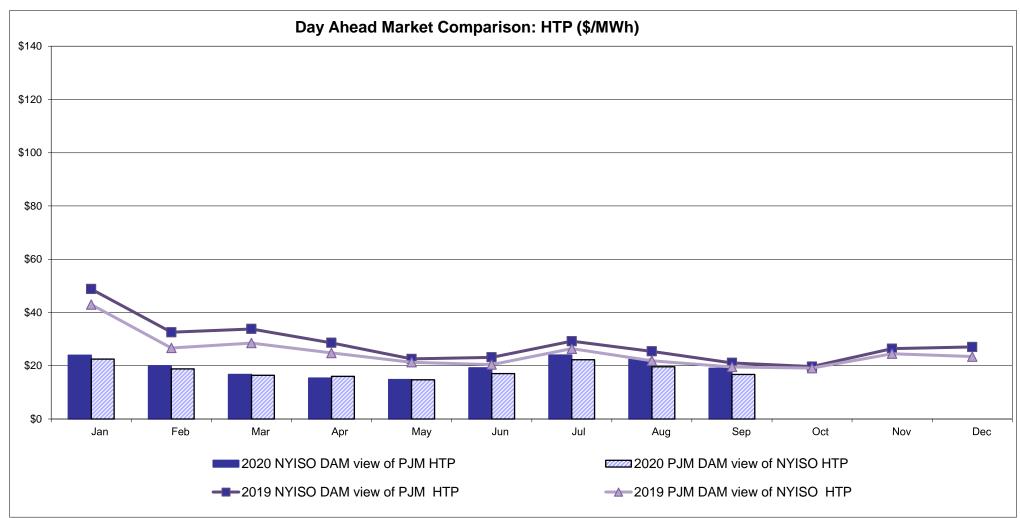
Hydro-Quebec Prices are unavailable.

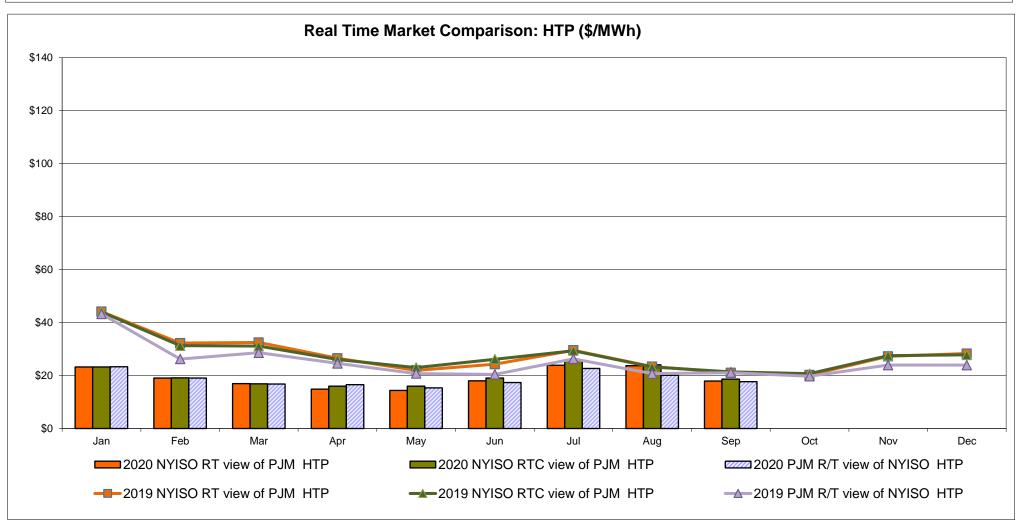
### **External Controllable Line: Linden VFT (PJM)**





### **External Controllable Line: Hudson (PJM)**

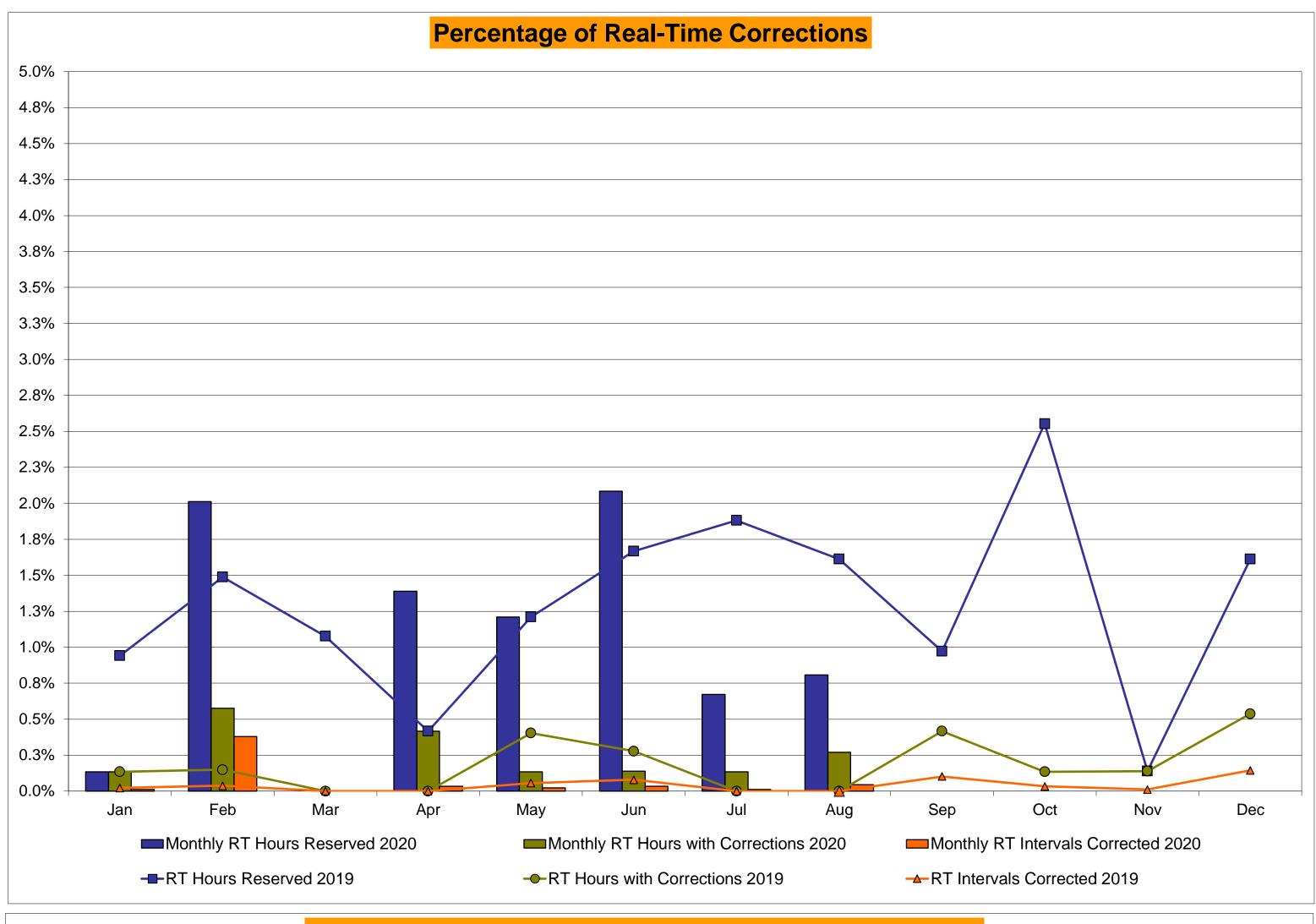


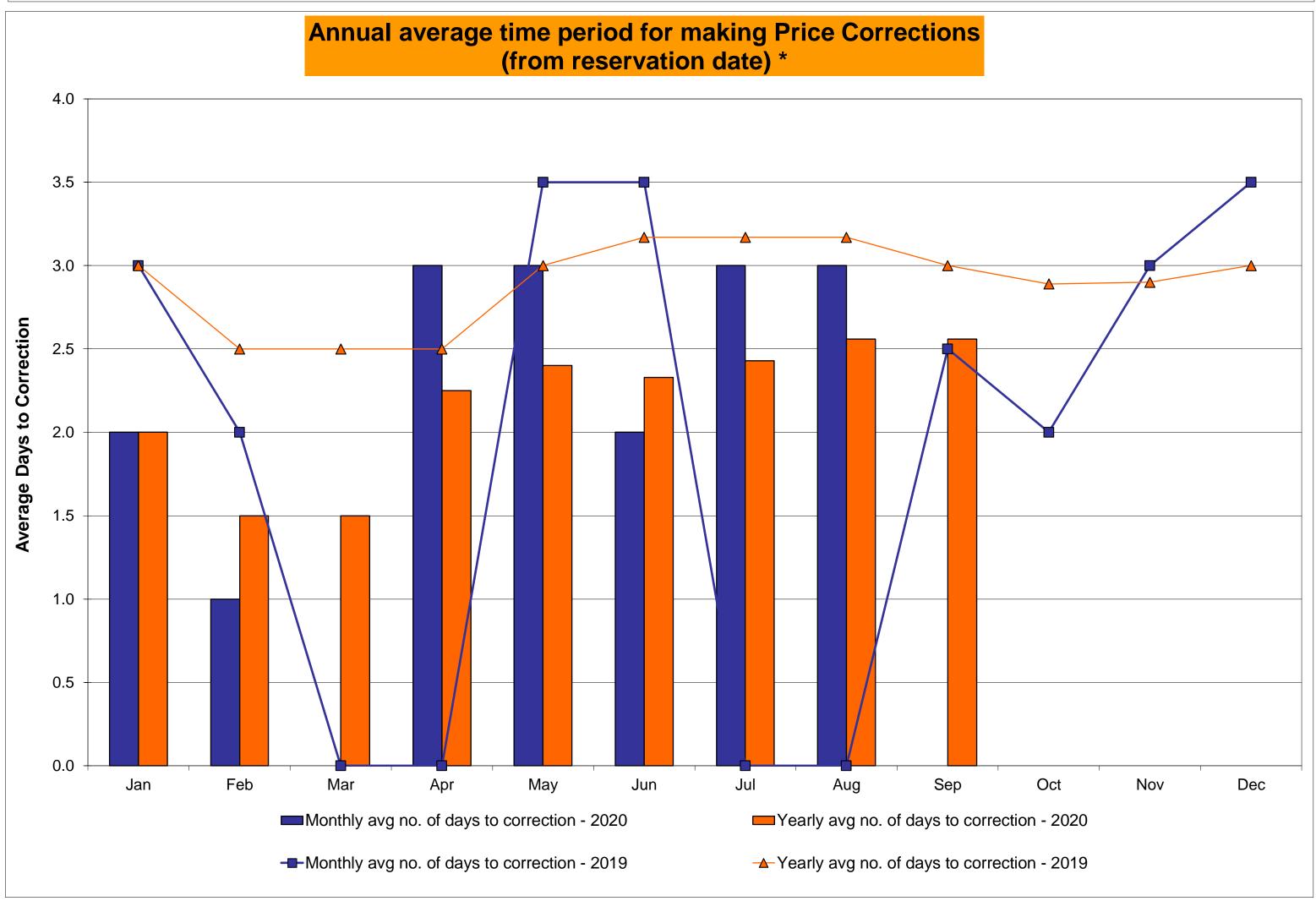


#### **NYISO Real Time Price Correction Statistics**

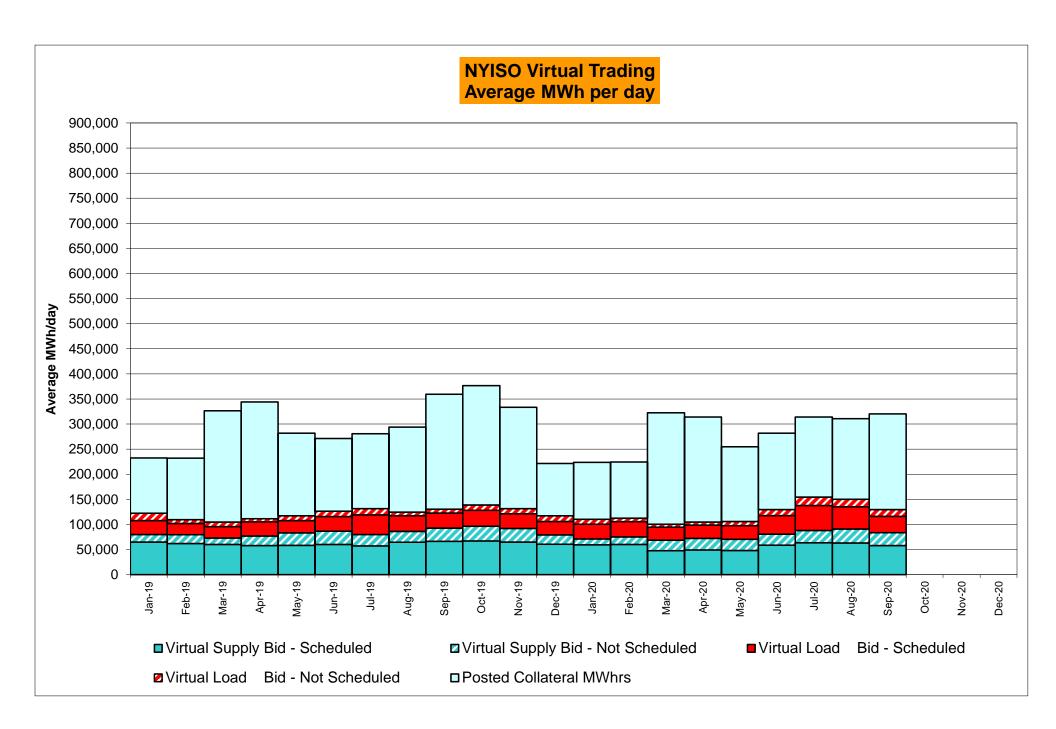
				14110	O IXCUI II		Correcti	on otatis	1103				
<u>2020</u>		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	<u>November</u>	<u>December</u>
<b>Hour Corrections</b>													
Number of hours with corrections	in the month	1	4	0	3	1	1	1	2	0			
Number of hours	in the month	744	696	743	720	744	720	744	744	720			
% of hours with corrections	in the month	0.13%	0.57%	0.00%	0.42%	0.13%	0.14%	0.13%	0.27%	0.00%			
% of hours with corrections	year-to-date	0.13%	0.35%	0.23%	0.28%	0.25%	0.23%	0.22%	0.22%	0.20%			
Interval Corrections													
Number of intervals corrected	in the month	1	32	0	3	2	3	1	4	0			
Number of intervals	in the month	9,088	8,460	9,011	8,776	9,030	8,826	9,128	9,156	8,810			
% of intervals corrected	in the month	0.01%	0.38%	0.00%	0.03%	0.02%	0.03%	0.01%	0.04%	0.00%			
% of intervals corrected	year-to-date	0.01%	0.19%	0.12%	0.10%	0.09%	0.08%	0.07%	0.06%	0.06%			
Hours Reserved	-												
Number of hours reserved	in the month	1	14	0	10	9	15	5	6	0			
Number of hours	in the month	744	696	743	720	744	720	744	744	720			
% of hours reserved	in the month	0.13%	2.01%	0.00%	1.39%	1.21%	2.08%	0.67%	0.81%	0.00%			
% of hours reserved	year-to-date	0.13%	1.04%	0.69%	0.86%	0.93%	1.12%	1.06%	1.02%	0.91%			
Days to Correction *	,												_
Avg. number of days to correction	in the month	2.00	1.00	0.00	3.00	3.00	2.00	3.00	3.00	0.00			
Avg. number of days to correction	year-to-date	2.00	1.50	1.50	2.25	2.40	2.33	2.43	2.56	2.56			
Days Without Corrections	,												
Days without corrections	in the month	30	28	31	28	30	29	30	29	30			
Days without corrections	year-to-date	30	58	89	117	147	176	206	235	265			
2019		January	February	March	Anril	May	June	July	August	Sentember	October	November	December
2019 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
Hour Corrections	in the month	January 1	February 1			-					October 1	November	<u>December</u>
Hour Corrections  Number of hours with corrections	in the month	1	1	0	0	3	2	0	0	3	1	1	4
Hour Corrections  Number of hours with corrections  Number of hours	in the month	1 744	1 672	0 743	0 720	3 744	2 720	0 744	0 744	3 720	1 744	1 721	4 744
Hour Corrections  Number of hours with corrections  Number of hours  % of hours with corrections	in the month in the month	1 744 0.13%	1 672 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 Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month	1 744	1 672	0 743	0 720	3 744	2 720	0 744	0 744	3 720	1 744	1 721	4 744
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections	in the month in the month year-to-date	1 744 0.13% 0.13%	1 672 0.15% 0.14%	0 743 0.00% 0.09%	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%	4 744 0.54% 0.18%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected	in the month in the month year-to-date in the month	1 744 0.13% 0.13%	1 672 0.15% 0.14%	0 743 0.00% 0.09%	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 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% 0.13% 2 9,071	1 672 0.15% 0.14%	0 743 0.00% 0.09% 0 9,008	0 720 0.00% 0.07% 0 8,750	3 744 0.40% 0.14% 5 9,033	2 720 0.28% 0.16% 7 8,863	0 744 0.00% 0.14% 0 9,243	0 744 0.00% 0.12% 0 9,048	3 720 0.42% 0.15% 9 8,820	1 744 0.13% 0.15% 3 9,087	1 721 0.14% 0.15% 1 8,788	4 744 0.54% 0.18% 13 9,021
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	1 744 0.13% 0.13% 2 9,071 0.02%	1 672 0.15% 0.14% 3 8,131 0.04%	0 743 0.00% 0.09% 0 9,008 0.00%	0 720 0.00% 0.07% 0 8,750 0.00%	3 744 0.40% 0.14% 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% 0.15% 3 9,087 0.03%	1 721 0.14% 0.15% 1 8,788 0.01%	4 744 0.54% 0.18% 13 9,021 0.14%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month	1 744 0.13% 0.13% 2 9,071	1 672 0.15% 0.14%	0 743 0.00% 0.09% 0 9,008	0 720 0.00% 0.07% 0 8,750	3 744 0.40% 0.14% 5 9,033	2 720 0.28% 0.16% 7 8,863	0 744 0.00% 0.14% 0 9,243	0 744 0.00% 0.12% 0 9,048	3 720 0.42% 0.15% 9 8,820	1 744 0.13% 0.15% 3 9,087	1 721 0.14% 0.15% 1 8,788	4 744 0.54% 0.18% 13 9,021
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved	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% 2 9,071 0.02% 0.02%	1 672 0.15% 0.14% 3 8,131 0.04% 0.03%	0 743 0.00% 0.09% 0 9,008 0.00% 0.02%	0 720 0.00% 0.07% 0 8,750 0.00% 0.01%	3 744 0.40% 0.14% 5 9,033 0.06% 0.02%	2 720 0.28% 0.16% 7 8,863 0.08% 0.03%	0 744 0.00% 0.14% 0 9,243 0.00% 0.03%	0 744 0.00% 0.12% 0 9,048 0.00% 0.02%	3 720 0.42% 0.15% 9 8,820 0.10% 0.03%	1 744 0.13% 0.15% 3 9,087 0.03% 0.03%	1 721 0.14% 0.15% 1 8,788 0.01%	4 744 0.54% 0.18% 13 9,021 0.14% 0.04%
Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Wors Reserved Number of hours reserved	in the month in the month year-to-date  in the month in the month in the month year-to-date  in the month	1 744 0.13% 0.13% 2 9,071 0.02% 0.02%	1 672 0.15% 0.14% 3 8,131 0.04% 0.03%	0 743 0.00% 0.09% 0 9,008 0.00% 0.02%	0 720 0.00% 0.07% 0 8,750 0.00% 0.01%	3 744 0.40% 0.14% 5 9,033 0.06% 0.02%	2 720 0.28% 0.16% 7 8,863 0.08% 0.03%	0 744 0.00% 0.14% 0 9,243 0.00% 0.03%	0 744 0.00% 0.12% 0 9,048 0.00% 0.02%	3 720 0.42% 0.15% 9 8,820 0.10% 0.03%	1 744 0.13% 0.15% 3 9,087 0.03% 0.03%	1 721 0.14% 0.15% 1 8,788 0.01% 0.03%	4 744 0.54% 0.18% 13 9,021 0.14% 0.04%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Hours Reserved Number of hours reserved Number 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 year-to-date	1 744 0.13% 0.13% 2 9,071 0.02% 0.02%	1 672 0.15% 0.14% 3 8,131 0.04% 0.03%	0 743 0.00% 0.09% 0 9,008 0.00% 0.02%	0 720 0.00% 0.07% 0 8,750 0.00% 0.01%	3 744 0.40% 0.14% 5 9,033 0.06% 0.02%	2 720 0.28% 0.16% 7 8,863 0.08% 0.03%	0 744 0.00% 0.14% 0 9,243 0.00% 0.03%	0 744 0.00% 0.12% 0 9,048 0.00% 0.02%	3 720 0.42% 0.15% 9 8,820 0.10% 0.03%	1 744 0.13% 0.15% 3 9,087 0.03% 0.03% 19 744	1 721 0.14% 0.15% 1 8,788 0.01% 0.03%	4 744 0.54% 0.18% 13 9,021 0.14% 0.04%
Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Wors Reserved Number of hours reserved	in the month in the month year-to-date  in the month in the month in the month year-to-date  in the month	1 744 0.13% 0.13% 2 9,071 0.02% 0.02%	1 672 0.15% 0.14% 3 8,131 0.04% 0.03%	0 743 0.00% 0.09% 0 9,008 0.00% 0.02%	0 720 0.00% 0.07% 0 8,750 0.00% 0.01%	3 744 0.40% 0.14% 5 9,033 0.06% 0.02%	2 720 0.28% 0.16% 7 8,863 0.08% 0.03%	0 744 0.00% 0.14% 0 9,243 0.00% 0.03%	0 744 0.00% 0.12% 0 9,048 0.00% 0.02%	3 720 0.42% 0.15% 9 8,820 0.10% 0.03%	1 744 0.13% 0.15% 3 9,087 0.03% 0.03%	1 721 0.14% 0.15% 1 8,788 0.01% 0.03%	4 744 0.54% 0.18% 13 9,021 0.14% 0.04%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Hours Reserved Number of hours reserved Number 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 year-to-date	1 744 0.13% 0.13% 2 9,071 0.02% 0.02%	1 672 0.15% 0.14% 3 8,131 0.04% 0.03%	0 743 0.00% 0.09% 0 9,008 0.00% 0.02%	0 720 0.00% 0.07% 0 8,750 0.00% 0.01%	3 744 0.40% 0.14% 5 9,033 0.06% 0.02%	2 720 0.28% 0.16% 7 8,863 0.08% 0.03%	0 744 0.00% 0.14% 0 9,243 0.00% 0.03%	0 744 0.00% 0.12% 0 9,048 0.00% 0.02%	3 720 0.42% 0.15% 9 8,820 0.10% 0.03%	1 744 0.13% 0.15% 3 9,087 0.03% 0.03% 19 744	1 721 0.14% 0.15% 1 8,788 0.01% 0.03%	4 744 0.54% 0.18% 13 9,021 0.14% 0.04%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Hours Reserved Number 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	1 744 0.13% 0.13% 2 9,071 0.02% 0.02% 7 744 0.94% 0.94%	1 672 0.15% 0.14% 3 8,131 0.04% 0.03% 10 672 1.49% 1.20%	0 743 0.00% 0.09% 0 9,008 0.00% 0.02% 8 743 1.08% 1.16%	0 720 0.00% 0.07% 0 8,750 0.00% 0.01% 3 720 0.42% 0.97%	3 744 0.40% 0.14% 5 9,033 0.06% 0.02% 9 744 1.21% 1.02%	2 720 0.28% 0.16% 7 8,863 0.08% 0.03% 12 720 1.67% 1.13%	0 744 0.00% 0.14% 0 9,243 0.00% 0.03% 14 744 1.88% 1.24%	0 744 0.00% 0.12% 0 9,048 0.00% 0.02% 12 744 1.61% 1.29%	3 720 0.42% 0.15% 9 8,820 0.10% 0.03% 7 720 0.97% 1.25%	1 744 0.13% 0.15% 3 9,087 0.03% 0.03% 19 744 2.55% 1.38%	1 721 0.14% 0.15%  1 8,788 0.01% 0.03%  1 721 0.14% 1.27%	4 744 0.54% 0.18% 13 9,021 0.14% 0.04% 12 744 1.61% 1.30%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved	in the month in the month year-to-date  in the month in the month in the month year-to-date  in the month	1 744 0.13% 0.13% 2 9,071 0.02% 0.02% 7 744 0.94%	1 672 0.15% 0.14% 3 8,131 0.04% 0.03% 10 672 1.49%	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 0.42%	3 744 0.40% 0.14% 5 9,033 0.06% 0.02% 9 744 1.21%	2 720 0.28% 0.16% 7 8,863 0.08% 0.03% 12 720 1.67%	0 744 0.00% 0.14% 0 9,243 0.00% 0.03% 14 744 1.88%	0 744 0.00% 0.12% 0 9,048 0.00% 0.02% 12 744 1.61%	3 720 0.42% 0.15% 9 8,820 0.10% 0.03% 7 720 0.97%	1 744 0.13% 0.15% 3 9,087 0.03% 0.03% 19 744 2.55%	1 721 0.14% 0.15%  1 8,788 0.01% 0.03%  1 721 0.14%	4 744 0.54% 0.18% 13 9,021 0.14% 0.04% 12 744 1.61%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved  Number of days to correction Avg. 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 year-to-date	1 744 0.13% 0.13% 2 9,071 0.02% 0.02% 7 744 0.94% 0.94%	1 672 0.15% 0.14% 3 8,131 0.04% 0.03% 10 672 1.49% 1.20%	0 743 0.00% 0.09% 0 9,008 0.00% 0.02% 8 743 1.08% 1.16%	0 720 0.00% 0.07% 0 8,750 0.00% 0.01% 3 720 0.42% 0.97%	3 744 0.40% 0.14% 5 9,033 0.06% 0.02% 9 744 1.21% 1.02%	2 720 0.28% 0.16% 7 8,863 0.08% 0.03% 12 720 1.67% 1.13%	0 744 0.00% 0.14% 0 9,243 0.00% 0.03% 14 744 1.88% 1.24%	0 744 0.00% 0.12% 0 9,048 0.00% 0.02% 12 744 1.61% 1.29%	3 720 0.42% 0.15% 9 8,820 0.10% 0.03% 7 720 0.97% 1.25%	1 744 0.13% 0.15% 3 9,087 0.03% 0.03% 19 744 2.55% 1.38%	1 721 0.14% 0.15%  1 8,788 0.01% 0.03%  1 721 0.14% 1.27%	4 744 0.54% 0.18% 13 9,021 0.14% 0.04% 12 744 1.61% 1.30%
Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Mumber of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Mumber of hours reserved Number of hours reserved Number of hours % of hours reserved  Number of days to correction Avg. number of days to correction  Days 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 year-to-date  in the month	1 744 0.13% 0.13% 2 9,071 0.02% 0.02% 7 744 0.94% 0.94%	1 672 0.15% 0.14% 3 8,131 0.04% 0.03% 10 672 1.49% 1.20%	0 743 0.00% 0.09% 0 9,008 0.00% 0.02% 8 743 1.08% 1.16%	0 720 0.00% 0.07% 0 8,750 0.00% 0.01% 3 720 0.42% 0.97%	3 744 0.40% 0.14% 5 9,033 0.06% 0.02% 9 744 1.21% 1.02%	2 720 0.28% 0.16% 7 8,863 0.08% 0.03% 12 720 1.67% 1.13%	0 744 0.00% 0.14% 0 9,243 0.00% 0.03% 14 744 1.88% 1.24%	0 744 0.00% 0.12% 0 9,048 0.00% 0.02% 12 744 1.61% 1.29%	3 720 0.42% 0.15% 9 8,820 0.10% 0.03% 7 720 0.97% 1.25%	1 744 0.13% 0.15% 3 9,087 0.03% 0.03% 19 744 2.55% 1.38%	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% 0.18% 13 9,021 0.14% 0.04% 12 744 1.61% 1.30%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved  Number of days to correction Avg. 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 year-to-date  in the month	1 744 0.13% 0.13% 2 9,071 0.02% 0.02% 7 744 0.94% 0.94%	1 672 0.15% 0.14% 3 8,131 0.04% 0.03% 10 672 1.49% 1.20%	0 743 0.00% 0.09% 0 9,008 0.00% 0.02% 8 743 1.08% 1.16%	0 720 0.00% 0.07% 0 8,750 0.00% 0.01% 3 720 0.42% 0.97%	3 744 0.40% 0.14% 5 9,033 0.06% 0.02% 9 744 1.21% 1.02%	2 720 0.28% 0.16% 7 8,863 0.08% 0.03% 12 720 1.67% 1.13%	0 744 0.00% 0.14% 0 9,243 0.00% 0.03% 14 744 1.88% 1.24%	0 744 0.00% 0.12% 0 9,048 0.00% 0.02% 12 744 1.61% 1.29%	3 720 0.42% 0.15% 9 8,820 0.10% 0.03% 7 720 0.97% 1.25%	1 744 0.13% 0.15% 3 9,087 0.03% 0.03% 19 744 2.55% 1.38%	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% 0.18% 13 9,021 0.14% 0.04% 12 744 1.61% 1.30%

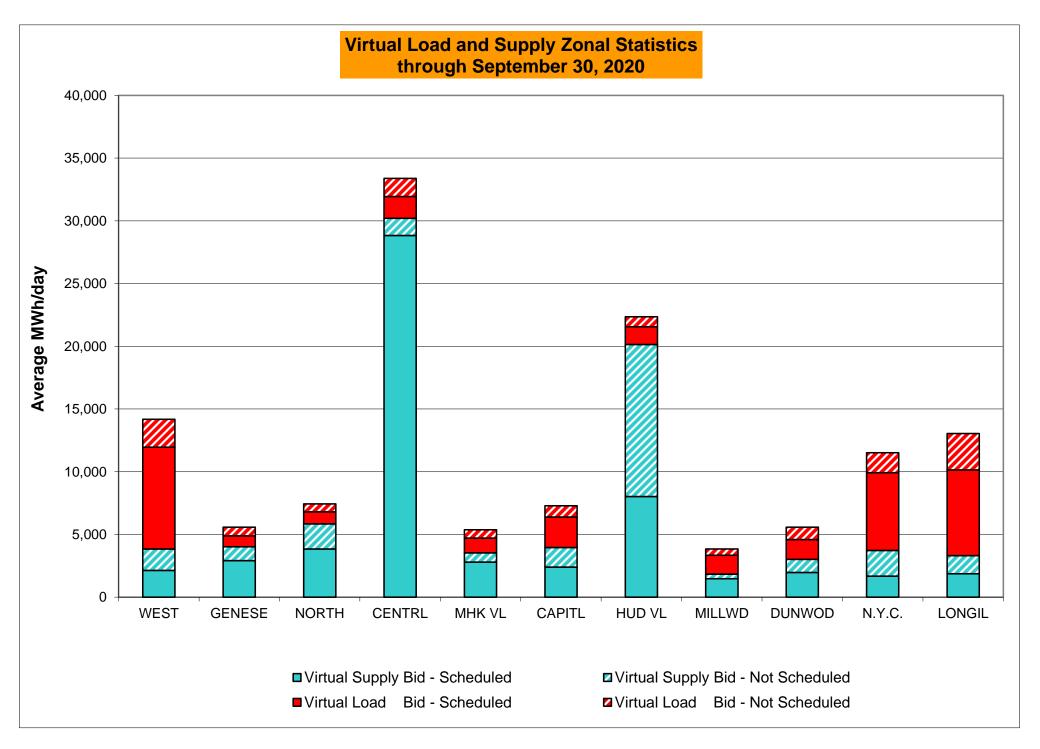
<sup>\*</sup>Calendar days from reservation date; for June 2018 forward, business days from market date





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#### Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2020 Virtual Load Bid Virtual Load Bid **Virtual Supply Bid Virtual Load Bid Virtual Supply Bid Virtual Supply Bid** Not Not Not Not Not Not Scheduled Date Scheduled Scheduled Scheduled Scheduled Date Scheduled Scheduled Scheduled Scheduled Date Scheduled Scheduled Scheduled Zone Zone Zone MHK VL DUNWOD **WEST** 984 Jan-20 7,809 1,328 1,765 Jan-20 747 77 2,155 793 Jan-20 1,120 241 3,191 370 Feb-20 8,213 1,248 2,597 947 Feb-20 724 88 2,339 504 Feb-20 536 298 3,782 368 Mar-20 9,155 1,778 1,637 1,236 Mar-20 481 97 2.455 542 Mar-20 766 109 3.143 282 10,056 2,032 1,542 86 2,599 888 423 2,336 504 Apr-20 1,018 Apr-20 577 Apr-20 1,185 2,105 70 323 7,943 3,322 3,397 May-20 586 1,878 287 May-20 1,114 196 2,373 May-20 Jun-20 8,014 3,448 1,729 1,706 746 100 2,597 770 Jun-20 1,893 1,124 2,881 789 Jun-20 Jul-20 8,616 4,286 2,582 1,469 Jul-20 1.144 250 3,965 951 Jul-20 2.944 1,069 3,181 416 Aug-20 2,255 1,273 2,985 3,403 1,142 8,911 2,132 1,956 Aug-20 1,278 296 2,801 <u>Aug-20</u> 837 Sep-20 8,119 2,224 2,136 1,707 Sep-20 1,174 676 2,791 738 Sep-20 1,566 990 1,969 1,050 Oct-20 Oct-20 Oct-20 Nov-20 Nov-20 Nov-20 Dec-20 Dec-20 Dec-20 GENESE CAPITL N.Y.C. Jan-20 553 131 1,749 995 Jan-20 1,772 539 3,324 1,235 Jan-20 6,699 2,678 2,148 1,639 Feb-20 534 79 2.082 640 Feb-20 2.046 418 3.149 673 Feb-20 9.452 1.841 1.316 1.894 Mar-20 397 46 2,294 550 Mar-20 443 Mar-20 2,571 1,446 3,181 837 4,317 1,126 1,676 Apr-20 422 42 2,940 622 Apr-20 2,367 825 Apr-20 1,864 2,269 3,335 928 2,089 546 May-20 356 47 2,051 618 May-20 1,982 151 2,597 541 May-20 2,759 548 1,692 1,049 2,238 472 Jun-20 949 163 939 Jun-20 1,622 328 2,994 Jun-20 6,448 1,621 1,273 889 1,547 Jul-20 1,633 590 1,508 1,123 Jul-20 392 6,489 1,247 Jul-20 14,514 2,512 1,013 1,005 486 Aug-20 1,435 3,028 1,745 1,551 783 4,741 1,525 Aug-20 12,432 2,728 1,492 1,387 Aug-20 Sep-20 866 700 2,911 1,108 Sep-20 2,428 896 2,400 1,556 Sep-20 6,194 1,598 1,671 2,053 Oct-20 Oct-20 Oct-20 Nov-20 Nov-20 Nov-20 Dec-20 Dec-20 Dec-20 NORTH HUD VL LONGIL Jan-20 811 206 5.038 1,765 Jan-20 891 1.274 7,573 2,206 Jan-20 5,640 2.824 2.246 1,109 Feb-20 402 276 886 Feb-20 1,678 1,217 5,144 2,014 Feb-20 722 8,517 5,838 4,795 1,683 Mar-20 335 293 5,075 2,315 Mar-20 944 634 6,811 10,029 Mar-20 5,402 1,429 1,602 1,683 321 1,001 Apr-20 210 5,153 2,057 Apr-20 813 5,955 12,414 Apr-20 5,033 1,036 1,620 1,672 2,305 12,839 5,948 1,844 1,045 May-20 381 3,547 1,757 May-20 1,088 806 5,998 May-20 2,125 Jun-20 1,277 696 3,692 2,128 Jun-20 1,877 745 9,825 12,284 Jun-20 8,361 2,434 1,568 809 Jul-20 1,031 612 3,848 2,745 Jul-20 2,011 1,091 9,899 12,718 Jul-20 8,727 4,710 1,853 840 Aug-20 1,084 532 3.349 2,392 Aug-20 2.047 805 10.449 12,462 Aug-20 6.498 4,527 2,398 1,423 Sep-20 950 644 3,846 1,998 Sep-20 1,415 800 8,027 12,119 Sep-20 6,834 2,901 1,860 1,452 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 2,567 118 27,919 487 281 68 1,811 229 Feb-20 30,434 6,838 60,334 14,81 Feb-20 Mar-20 2,340 113 17,986 481 494 19 1,844 174 Mar-20 47,704 20,700 Mar-20 26,077 6,087 563 55 90 49.344 22.953 Apr-20 2.568 131 20,490 491 Apr-20 1,510 Apr-20 26.181 6.200 May-20 2,736 296 22,414 414 502 198 1,442 76 May-20 27,319 8,140 47,941 22,346 May-20 Jun-20 4,053 770 28,114 903 Jun-20 1,756 558 1,789 312 Jun-20 36,995 11,988 58,701 22,003 620 800 49,792 24,522 Jul-20 3,622 28,085 1,455 Jul-20 4,003 1,054 553 Jul-20 16,933 63,478 Aug-20 2,244 727 28,045 1,949 Aug-20 3,960 992 989 537 Aug-20 44,424 14,846 62,951 27,790 Sep-20 1,735 1,451 28,835 1,369 Sep-20 1,501 501 1,467 375 Sep-20 32,781 13,381 57,913 25,526 Oct-20 Oct-20 Oct-20

Nov-20

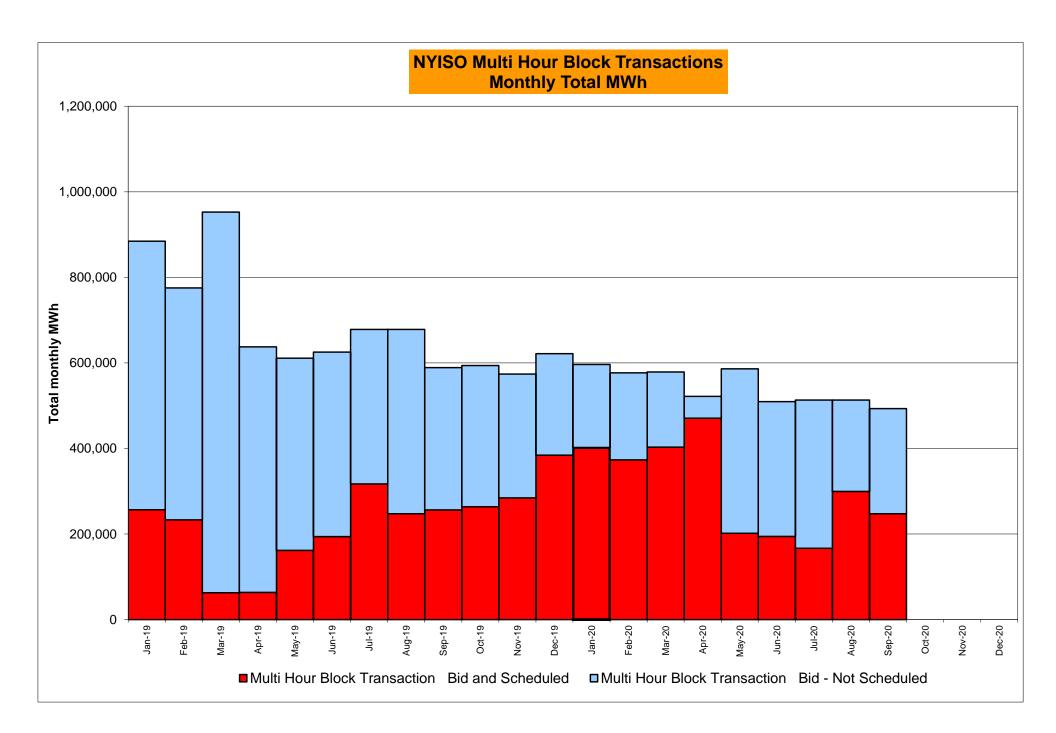
Dec-20

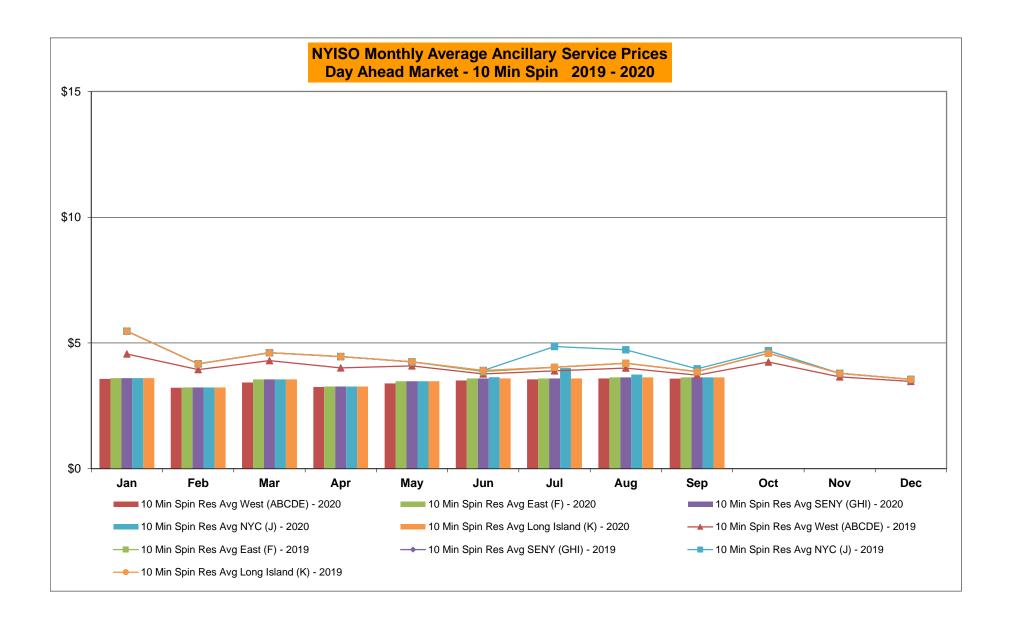
Nov-20

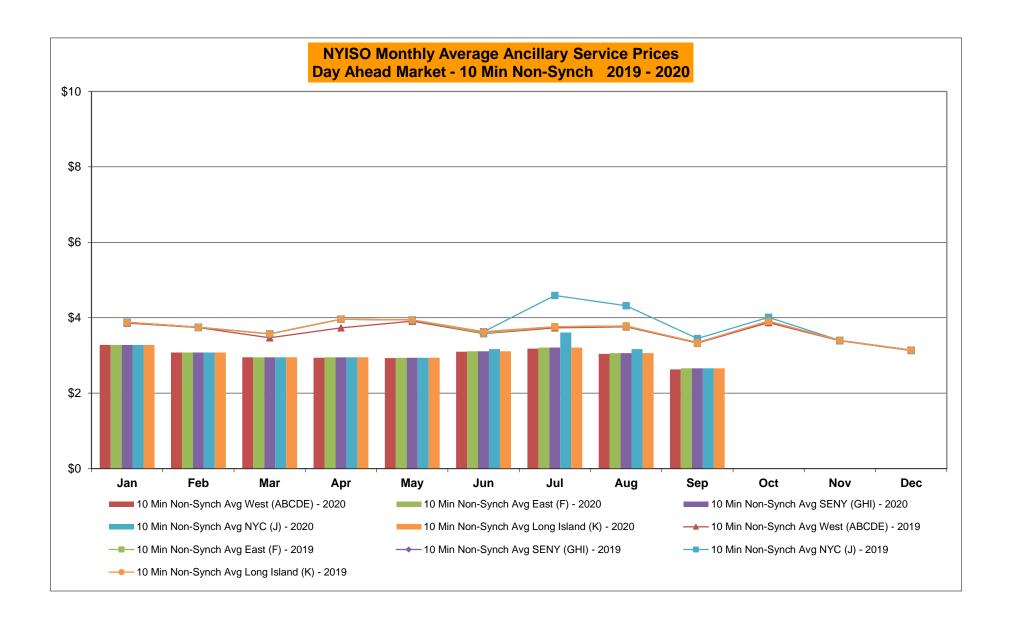
Dec-20

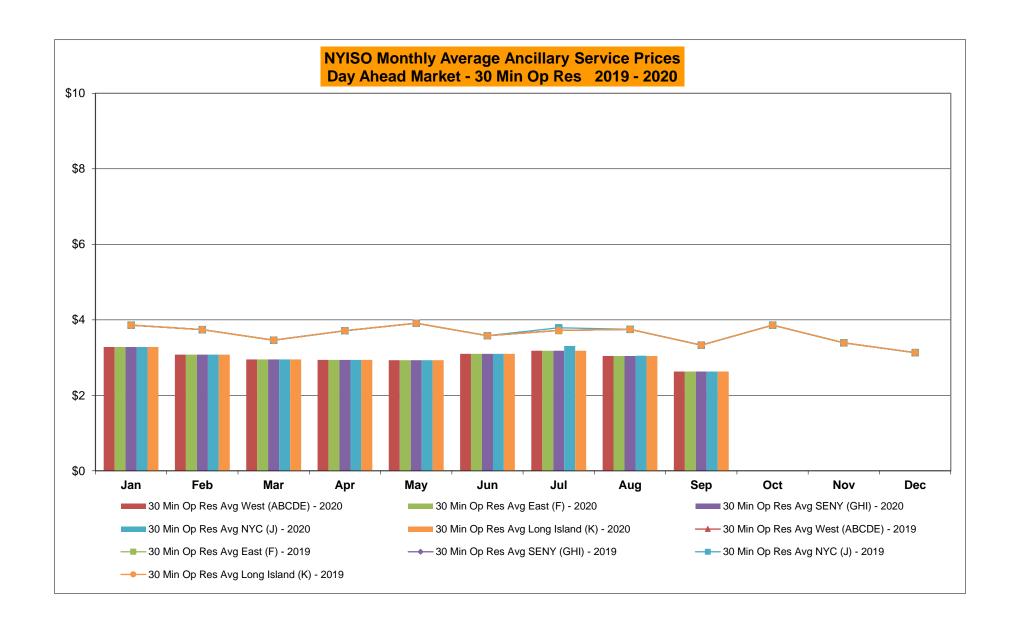
Nov-20

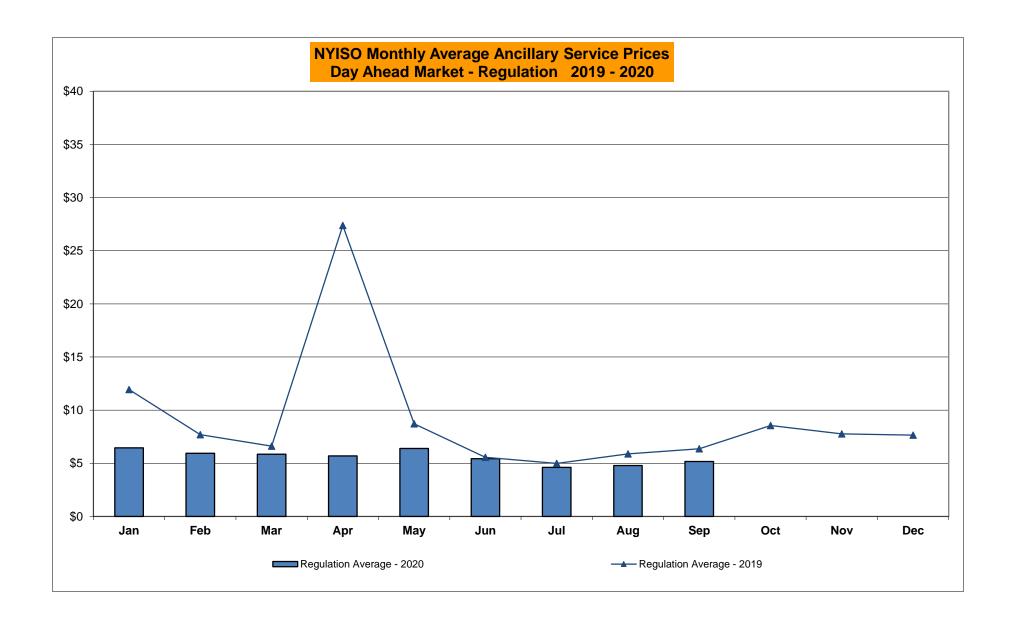
Dec-20

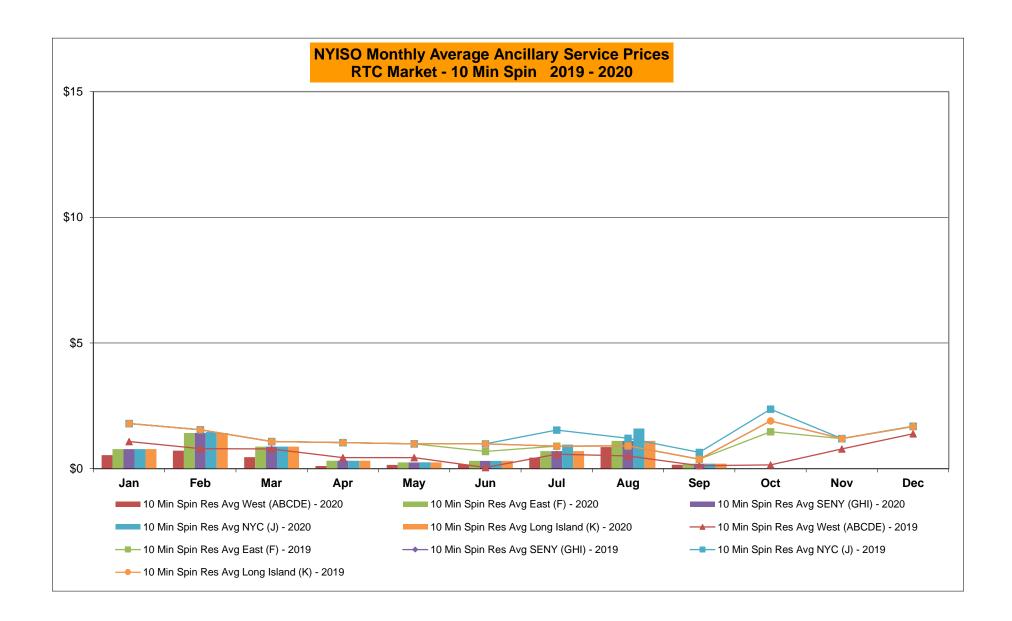


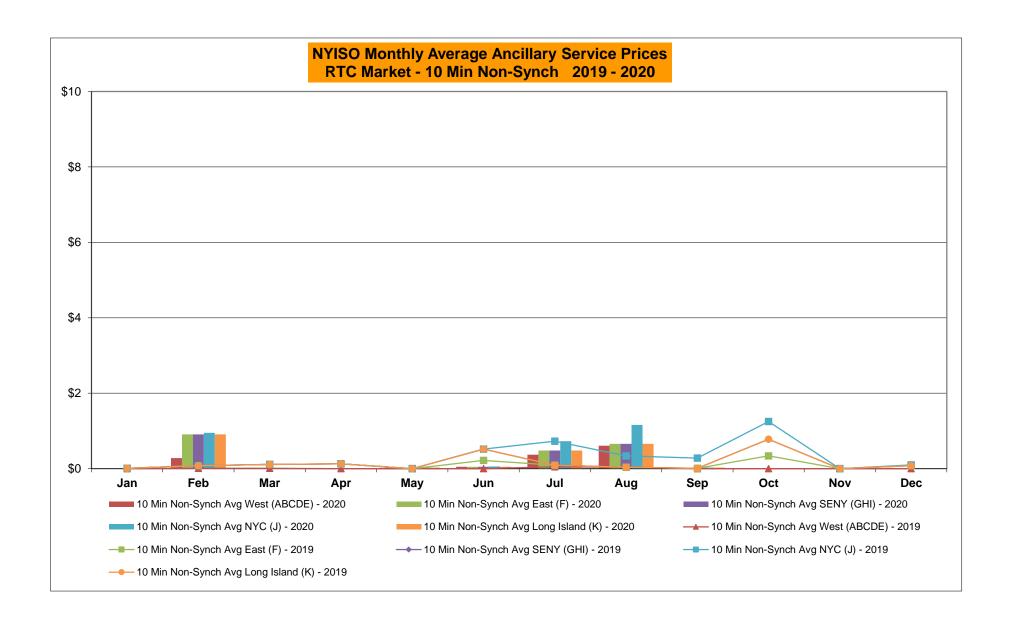


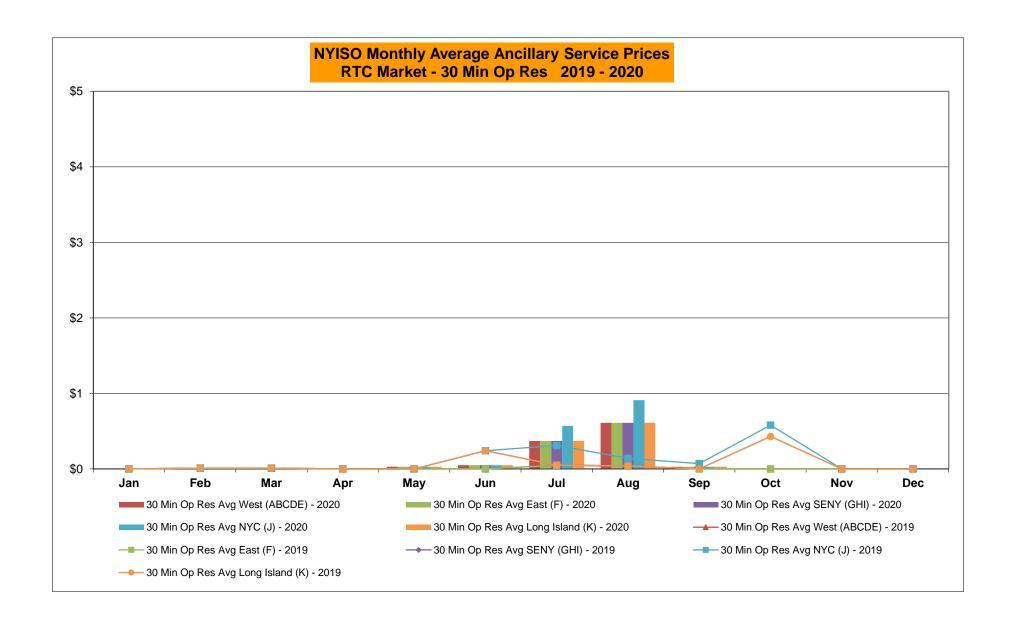


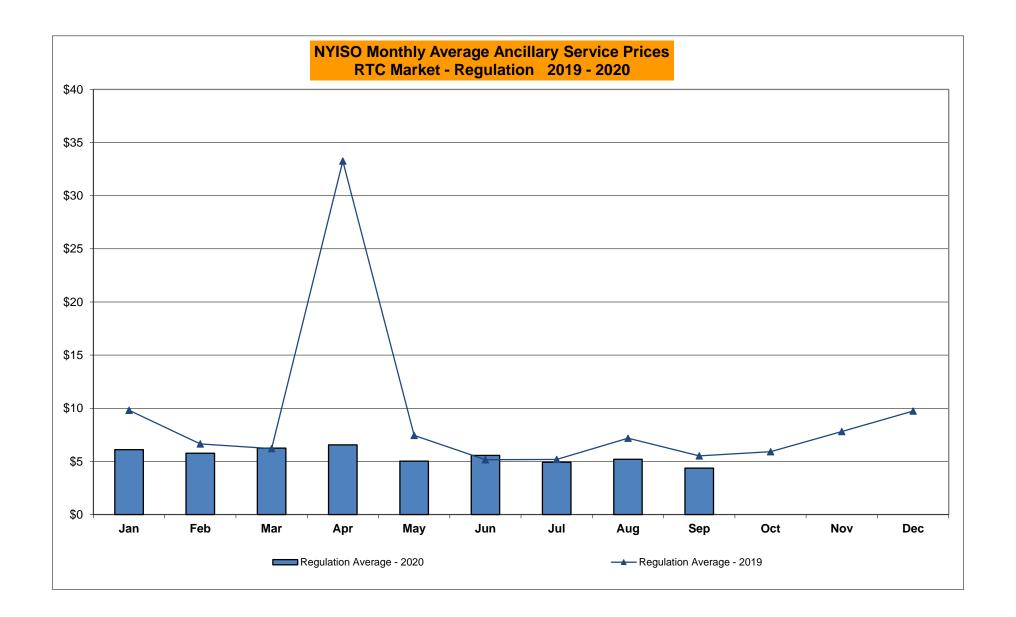


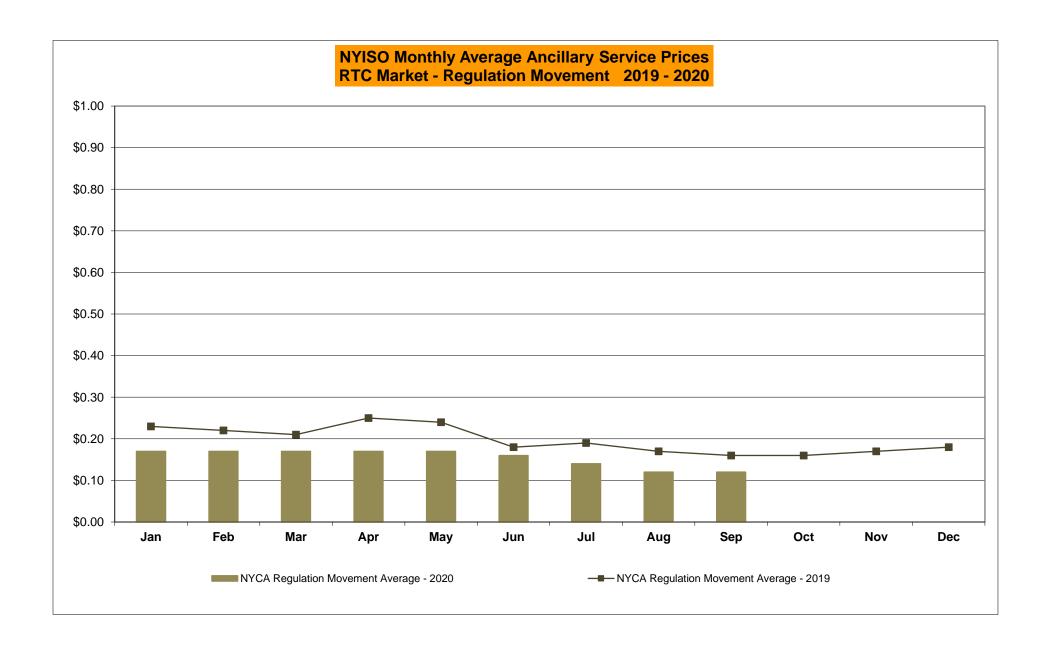


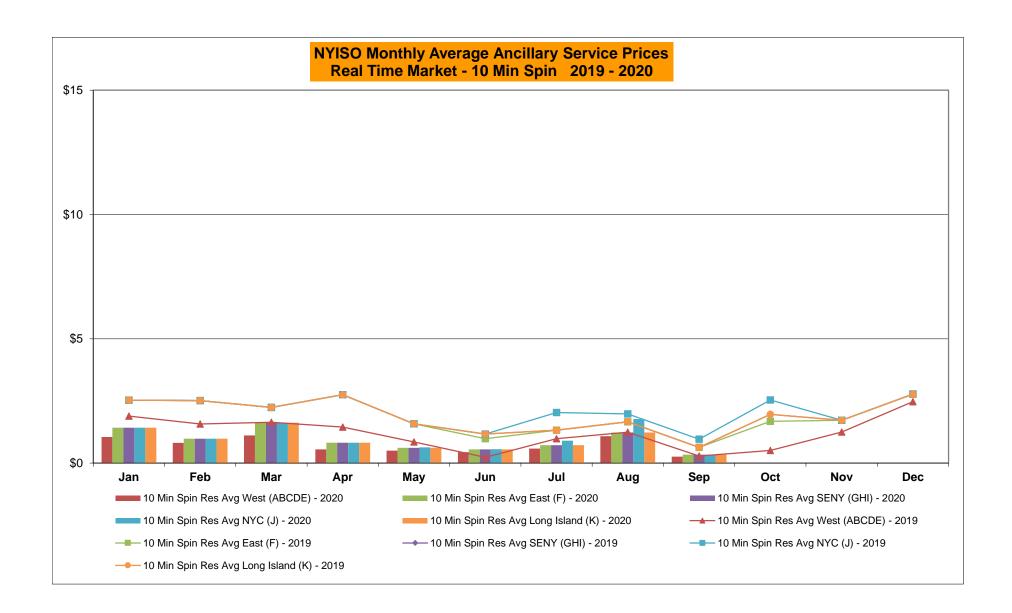


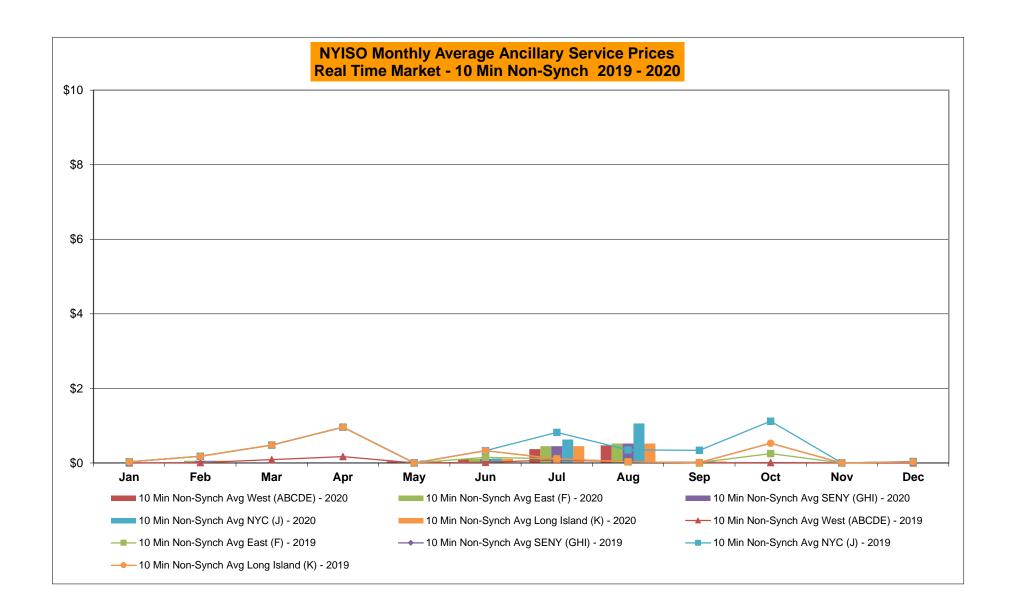


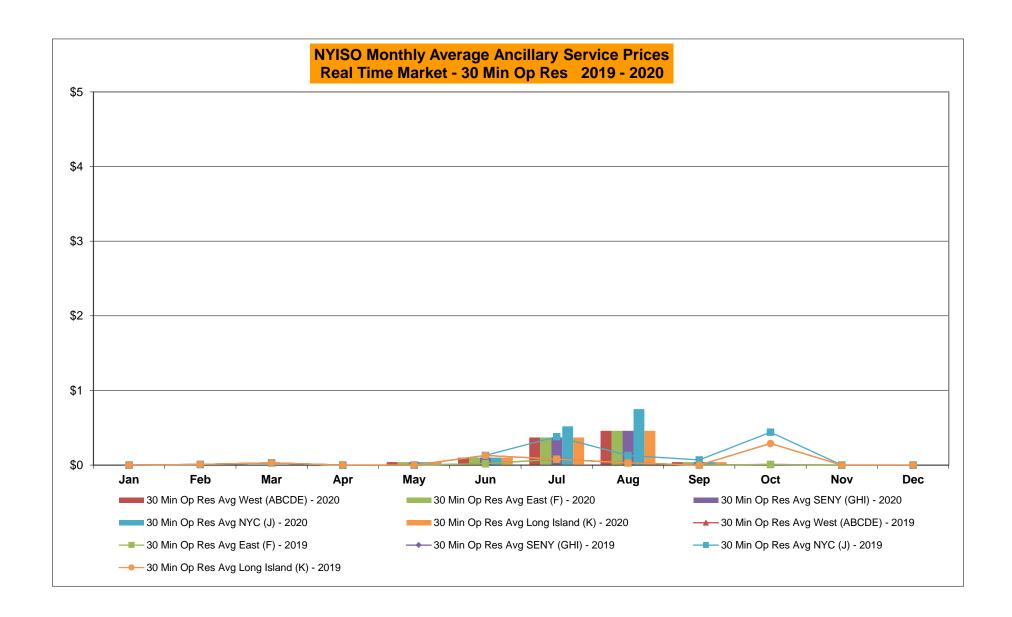


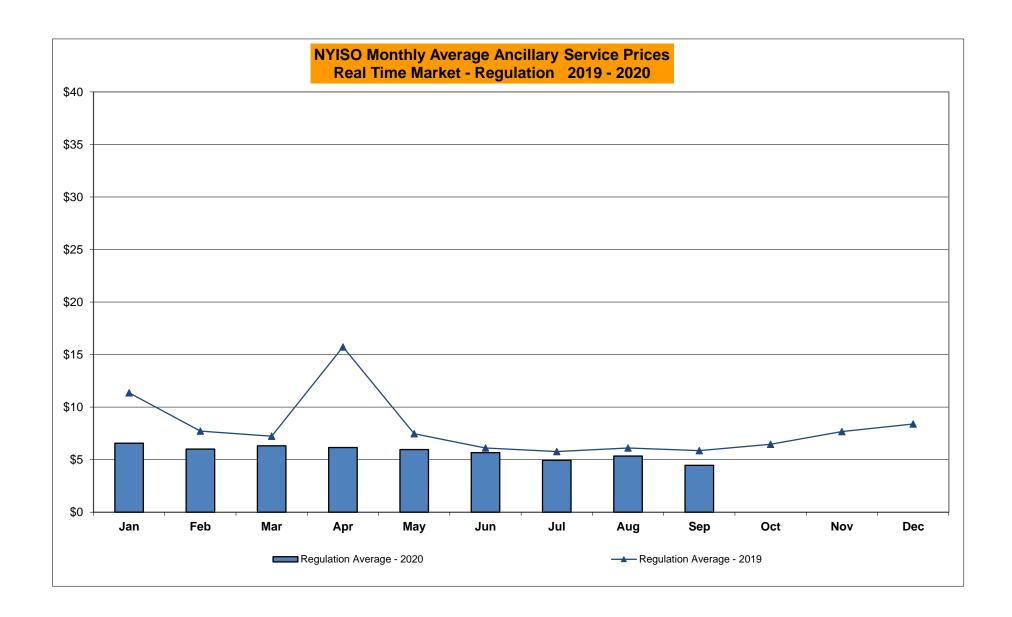


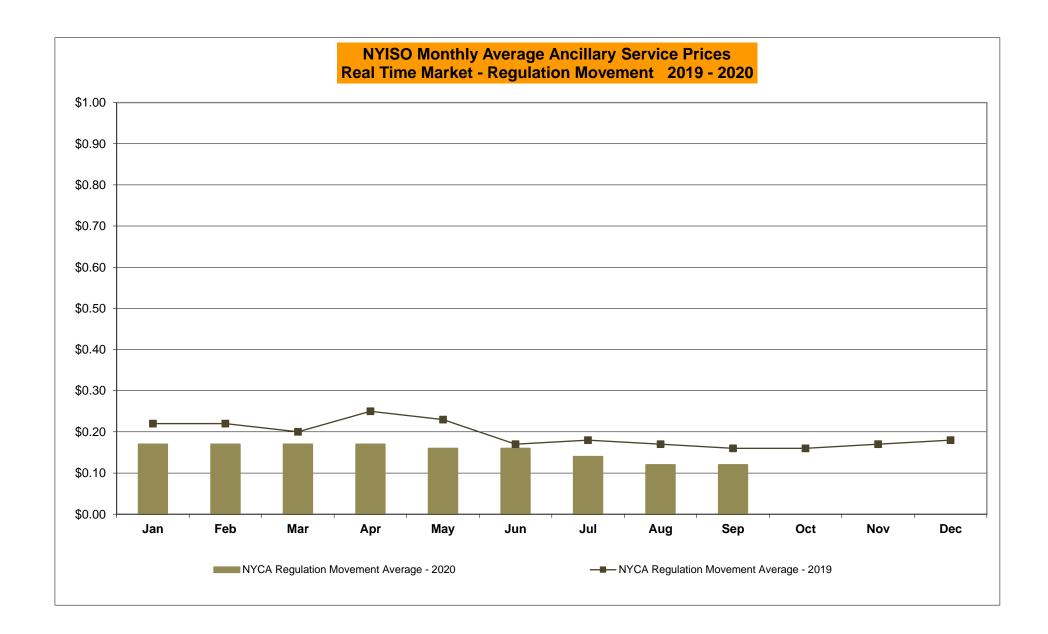












### NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - DAM

2020 Day Ahead Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	October	November	December
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 NYC (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 (ABCDE)	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			
<u>2019</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	<u>December</u>
Day Ahead Market	<u>January</u>		<u>March</u>	-				_				
<u>Day Ahead Market</u> 10 Min Spin Long Island (K)	5.47	5.47	4.61	4.46	4.25	4.25	4.25	4.25	4.25	4.59	3.79	3.55
Day Ahead Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J)	5.47 5.47	5.47 5.47	4.61 4.61	4.46 4.46	4.25 4.25	4.25 4.25	4.25 4.25	4.25 4.25	4.25 4.25	4.59 4.69	3.79 3.79	3.55 3.55
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)	5.47 5.47 5.47	5.47 5.47 4.17	4.61 4.61 4.61	4.46 4.46 4.46	4.25 4.25 4.25	4.25 4.25 3.90	4.25 4.25 4.03	4.25 4.25 4.19	4.25 4.25 3.86	4.59 4.69 4.59	3.79 3.79 3.79	3.55 3.55 3.55
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  10 Min Spin East (F)	5.47 5.47 5.47 5.47	5.47 5.47 4.17 4.17	4.61 4.61 4.61 4.61	4.46 4.46 4.46 4.46	4.25 4.25 4.25 4.25	4.25 4.25 3.90 3.86	4.25 4.25 4.03 4.03	4.25 4.25 4.19 4.19	4.25 4.25 3.86 3.86	4.59 4.69 4.59 4.59	3.79 3.79 3.79 3.79	3.55 3.55 3.55 3.55
Day Ahead Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	5.47 5.47 5.47 5.47 4.56	5.47 5.47 4.17 4.17 3.94	4.61 4.61 4.61 4.61 4.30	4.46 4.46 4.46 4.46 4.01	4.25 4.25 4.25 4.25 4.09	4.25 4.25 3.90 3.86 3.77	4.25 4.25 4.03 4.03 3.89	4.25 4.25 4.19 4.19 4.00	4.25 4.25 3.86 3.86 3.72	4.59 4.69 4.59 4.59 4.24	3.79 3.79 3.79 3.79 3.65	3.55 3.55 3.55 3.55 3.47
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch Long Island (K)	5.47 5.47 5.47 5.47 4.56 3.88	5.47 5.47 4.17 4.17 3.94 3.88	4.61 4.61 4.61 4.61 4.30 3.57	4.46 4.46 4.46 4.01 3.96	4.25 4.25 4.25 4.25 4.09 3.94	4.25 4.25 3.90 3.86 3.77 3.94	4.25 4.25 4.03 4.03 3.89 3.94	4.25 4.25 4.19 4.19 4.00 3.94	4.25 4.25 3.86 3.86 3.72 3.94	4.59 4.69 4.59 4.59 4.24 3.91	3.79 3.79 3.79 3.79 3.65 3.40	3.55 3.55 3.55 3.55 3.47 3.14
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch Long Island (K)  10 Min Non Synch NYC (J)	5.47 5.47 5.47 5.47 4.56 3.88 3.88	5.47 5.47 4.17 4.17 3.94 3.88 3.88	4.61 4.61 4.61 4.30 3.57 3.57	4.46 4.46 4.46 4.01 3.96 3.96	4.25 4.25 4.25 4.25 4.09 3.94 3.94	4.25 4.25 3.90 3.86 3.77 3.94 3.94	4.25 4.25 4.03 4.03 3.89 3.94 3.94	4.25 4.25 4.19 4.19 4.00 3.94 3.94	4.25 4.25 3.86 3.86 3.72 3.94 3.94	4.59 4.69 4.59 4.59 4.24 3.91 4.01	3.79 3.79 3.79 3.79 3.65 3.40 3.40	3.55 3.55 3.55 3.55 3.47 3.14 3.14
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  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)	5.47 5.47 5.47 5.47 4.56 3.88 3.88 3.88	5.47 5.47 4.17 4.17 3.94 3.88 3.88 3.75	4.61 4.61 4.61 4.30 3.57 3.57 3.57	4.46 4.46 4.46 4.01 3.96 3.96 3.96	4.25 4.25 4.25 4.25 4.09 3.94 3.94 3.94	4.25 4.25 3.90 3.86 3.77 3.94 3.94 3.63	4.25 4.25 4.03 4.03 3.89 3.94 3.94 3.76	4.25 4.25 4.19 4.19 4.00 3.94 3.94 3.78	4.25 4.25 3.86 3.86 3.72 3.94 3.94 3.34	4.59 4.69 4.59 4.59 4.24 3.91 4.01 3.91	3.79 3.79 3.79 3.65 3.40 3.40 3.40	3.55 3.55 3.55 3.55 3.47 3.14 3.14
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  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)	5.47 5.47 5.47 5.47 4.56 3.88 3.88 3.88	5.47 5.47 4.17 4.17 3.94 3.88 3.88 3.75	4.61 4.61 4.61 4.61 4.30 3.57 3.57 3.57	4.46 4.46 4.46 4.01 3.96 3.96 3.96 3.96	4.25 4.25 4.25 4.25 4.09 3.94 3.94 3.94 3.94	4.25 4.25 3.90 3.86 3.77 3.94 3.94 3.63 3.59	4.25 4.25 4.03 4.03 3.89 3.94 3.94 3.76 3.76	4.25 4.25 4.19 4.19 4.00 3.94 3.78 3.78	4.25 4.25 3.86 3.86 3.72 3.94 3.94 3.34 3.34	4.59 4.69 4.59 4.59 4.24 3.91 4.01 3.91 3.91	3.79 3.79 3.79 3.65 3.40 3.40 3.40	3.55 3.55 3.55 3.55 3.47 3.14 3.14 3.14
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  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)	5.47 5.47 5.47 5.47 4.56 3.88 3.88 3.88 3.88	5.47 5.47 4.17 4.17 3.94 3.88 3.88 3.75 3.75 3.75	4.61 4.61 4.61 4.30 3.57 3.57 3.57 3.47	4.46 4.46 4.46 4.01 3.96 3.96 3.96 3.73	4.25 4.25 4.25 4.25 4.09 3.94 3.94 3.94 3.94 3.91	4.25 4.25 3.90 3.86 3.77 3.94 3.94 3.63 3.59 3.58	4.25 4.25 4.03 4.03 3.89 3.94 3.76 3.76 3.76	4.25 4.25 4.19 4.19 4.00 3.94 3.78 3.78 3.78	4.25 4.25 3.86 3.86 3.72 3.94 3.94 3.34 3.34 3.33	4.59 4.69 4.59 4.59 4.24 3.91 4.01 3.91 3.91 3.87	3.79 3.79 3.79 3.65 3.40 3.40 3.40 3.39	3.55 3.55 3.55 3.55 3.47 3.14 3.14 3.14 3.14 3.13
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  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)	5.47 5.47 5.47 5.47 4.56 3.88 3.88 3.88 3.88 3.88	5.47 5.47 4.17 4.17 3.94 3.88 3.75 3.75 3.74 3.86	4.61 4.61 4.61 4.30 3.57 3.57 3.57 3.47 3.47	4.46 4.46 4.46 4.01 3.96 3.96 3.96 3.73 3.71	4.25 4.25 4.25 4.25 4.09 3.94 3.94 3.94 3.94 3.91 3.91	4.25 4.25 3.90 3.86 3.77 3.94 3.94 3.63 3.59 3.58 3.91	4.25 4.25 4.03 4.03 3.89 3.94 3.76 3.76 3.73 3.91	4.25 4.25 4.19 4.19 4.00 3.94 3.78 3.78 3.76 3.91	4.25 4.25 3.86 3.86 3.72 3.94 3.94 3.34 3.34 3.33 3.91	4.59 4.69 4.59 4.59 4.24 3.91 4.01 3.91 3.91 3.87 3.86	3.79 3.79 3.79 3.65 3.40 3.40 3.40 3.39 3.39	3.55 3.55 3.55 3.55 3.47 3.14 3.14 3.14 3.13 3.13
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  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)	5.47 5.47 5.47 5.47 4.56 3.88 3.88 3.88 3.88 3.86 3.86 3.86	5.47 5.47 4.17 4.17 3.94 3.88 3.75 3.75 3.74 3.86 3.86	4.61 4.61 4.61 4.30 3.57 3.57 3.57 3.47 3.46 3.46	4.46 4.46 4.46 4.01 3.96 3.96 3.96 3.73 3.71 3.71	4.25 4.25 4.25 4.09 3.94 3.94 3.94 3.91 3.91 3.91	4.25 4.25 3.90 3.86 3.77 3.94 3.94 3.63 3.59 3.58 3.91 3.91	4.25 4.25 4.03 4.03 3.89 3.94 3.76 3.76 3.73 3.91 3.91	4.25 4.25 4.19 4.19 4.00 3.94 3.78 3.78 3.76 3.91 3.91	4.25 4.25 3.86 3.72 3.94 3.94 3.34 3.34 3.33 3.91 3.91	4.59 4.69 4.59 4.59 4.24 3.91 4.01 3.91 3.87 3.86 3.86	3.79 3.79 3.79 3.65 3.40 3.40 3.40 3.39 3.39 3.39	3.55 3.55 3.55 3.55 3.47 3.14 3.14 3.14 3.13 3.13
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  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)	5.47 5.47 5.47 5.47 4.56 3.88 3.88 3.88 3.88 3.86 3.86 3.86	5.47 5.47 4.17 4.17 3.94 3.88 3.75 3.75 3.75 3.74 3.86 3.86 3.74	4.61 4.61 4.61 4.30 3.57 3.57 3.57 3.47 3.46 3.46 3.46	4.46 4.46 4.46 4.46 4.01 3.96 3.96 3.96 3.73 3.71 3.71 3.71	4.25 4.25 4.25 4.09 3.94 3.94 3.94 3.91 3.91 3.91 3.91	4.25 4.25 3.90 3.86 3.77 3.94 3.94 3.63 3.59 3.58 3.91 3.91 3.58	4.25 4.25 4.03 4.03 3.89 3.94 3.76 3.76 3.76 3.73 3.91 3.91 3.72	4.25 4.25 4.19 4.19 4.00 3.94 3.94 3.78 3.76 3.91 3.91 3.75	4.25 4.25 3.86 3.72 3.94 3.94 3.34 3.34 3.33 3.91 3.91 3.33	4.59 4.69 4.59 4.59 4.24 3.91 4.01 3.91 3.81 3.86 3.86 3.86	3.79 3.79 3.79 3.65 3.40 3.40 3.40 3.39 3.39 3.39 3.39	3.55 3.55 3.55 3.55 3.47 3.14 3.14 3.14 3.13 3.13 3.13
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  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)	5.47 5.47 5.47 5.47 4.56 3.88 3.88 3.88 3.88 3.86 3.86 3.86 3.8	5.47 5.47 4.17 4.17 3.94 3.88 3.75 3.75 3.74 3.86 3.86 3.74 3.74	4.61 4.61 4.61 4.61 4.30 3.57 3.57 3.57 3.47 3.46 3.46 3.46 3.46	4.46 4.46 4.46 4.01 3.96 3.96 3.96 3.73 3.71 3.71 3.71	4.25 4.25 4.25 4.09 3.94 3.94 3.94 3.91 3.91 3.91 3.91 3.91	4.25 4.25 3.90 3.86 3.77 3.94 3.63 3.59 3.58 3.91 3.91 3.58 3.58	4.25 4.25 4.03 4.03 3.89 3.94 3.76 3.76 3.73 3.91 3.91 3.72 3.72	4.25 4.25 4.19 4.19 4.00 3.94 3.78 3.78 3.76 3.91 3.91 3.75 3.75	4.25 4.25 3.86 3.86 3.72 3.94 3.94 3.34 3.34 3.31 3.91 3.91 3.93 3.93	4.59 4.69 4.59 4.59 4.24 3.91 4.01 3.91 3.81 3.86 3.86 3.86 3.86	3.79 3.79 3.79 3.65 3.40 3.40 3.40 3.39 3.39 3.39 3.39 3.39	3.55 3.55 3.55 3.55 3.47 3.14 3.14 3.14 3.13 3.13 3.13 3.13
Day Ahead Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  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)	5.47 5.47 5.47 5.47 4.56 3.88 3.88 3.88 3.88 3.86 3.86 3.86	5.47 5.47 4.17 4.17 3.94 3.88 3.75 3.75 3.75 3.74 3.86 3.86 3.74	4.61 4.61 4.61 4.30 3.57 3.57 3.57 3.47 3.46 3.46 3.46	4.46 4.46 4.46 4.46 4.01 3.96 3.96 3.96 3.73 3.71 3.71 3.71	4.25 4.25 4.25 4.09 3.94 3.94 3.94 3.91 3.91 3.91 3.91	4.25 4.25 3.90 3.86 3.77 3.94 3.94 3.63 3.59 3.58 3.91 3.91 3.58	4.25 4.25 4.03 4.03 3.89 3.94 3.76 3.76 3.76 3.73 3.91 3.91 3.72	4.25 4.25 4.19 4.19 4.00 3.94 3.94 3.78 3.76 3.91 3.91 3.75	4.25 4.25 3.86 3.72 3.94 3.94 3.34 3.34 3.33 3.91 3.91 3.33	4.59 4.69 4.59 4.59 4.24 3.91 4.01 3.91 3.81 3.86 3.86 3.86	3.79 3.79 3.79 3.65 3.40 3.40 3.40 3.39 3.39 3.39 3.39	3.55 3.55 3.55 3.55 3.47 3.14 3.14 3.14 3.13 3.13 3.13

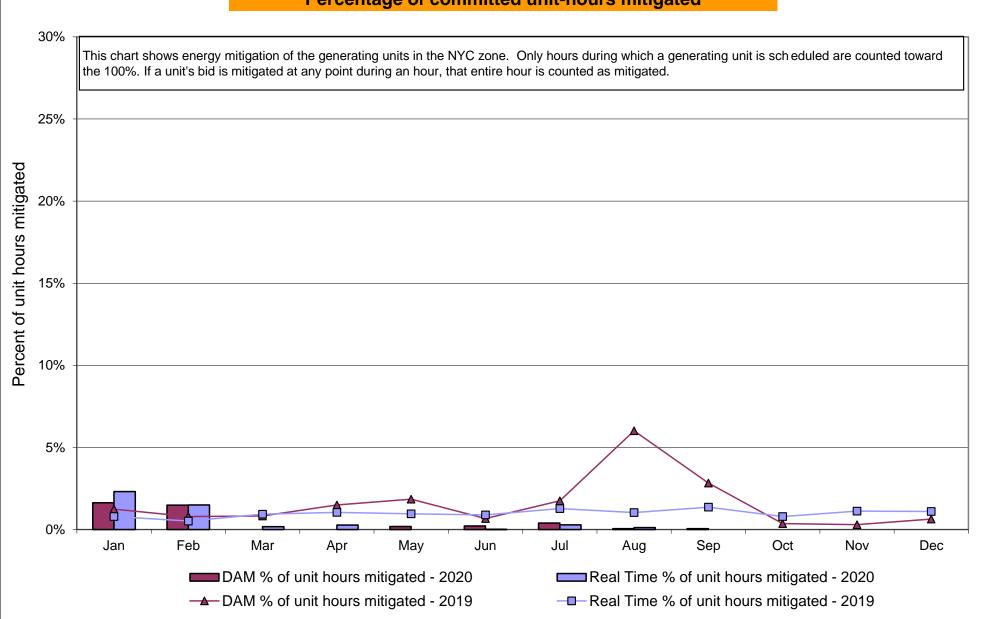
### NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RTC

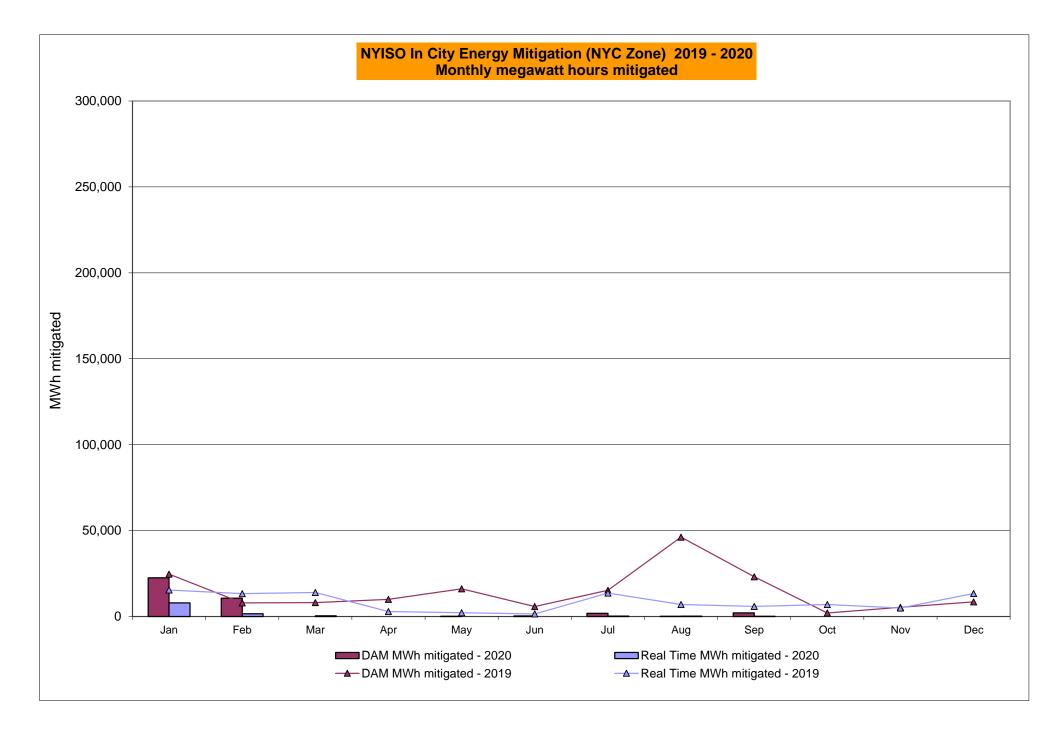
2020 RTC Market	<u>January</u>	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	<u>December</u>
10 Min Spin Long Island (K)	0.78	1.42	0.88	0.32	0.25	0.31	0.70	1.11	0.20			
10 Min Spin NYC (J)	0.78	1.46	0.88	0.32	0.26	0.31	0.96	1.60	0.20			
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 SENÝ (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>2019</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
RTC Market												
10 Min Spin Long Island (K)	1.80	1.80	1.08	1.04	0.99	0.99	0.99	0.99	0.99	1.90	1.20	1.68
10 Min Spin NYC (J)	1.80	1.80	1.08	1.04	0.99	0.99	0.99	0.99	0.99	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	0.00	0.00	0.00	0.78	0.00	0.08
10 Min Non Synch NYC (J)	0.01	0.01	0.11	0.13	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.43	0.00	0.00
30 Min NYC (J)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	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

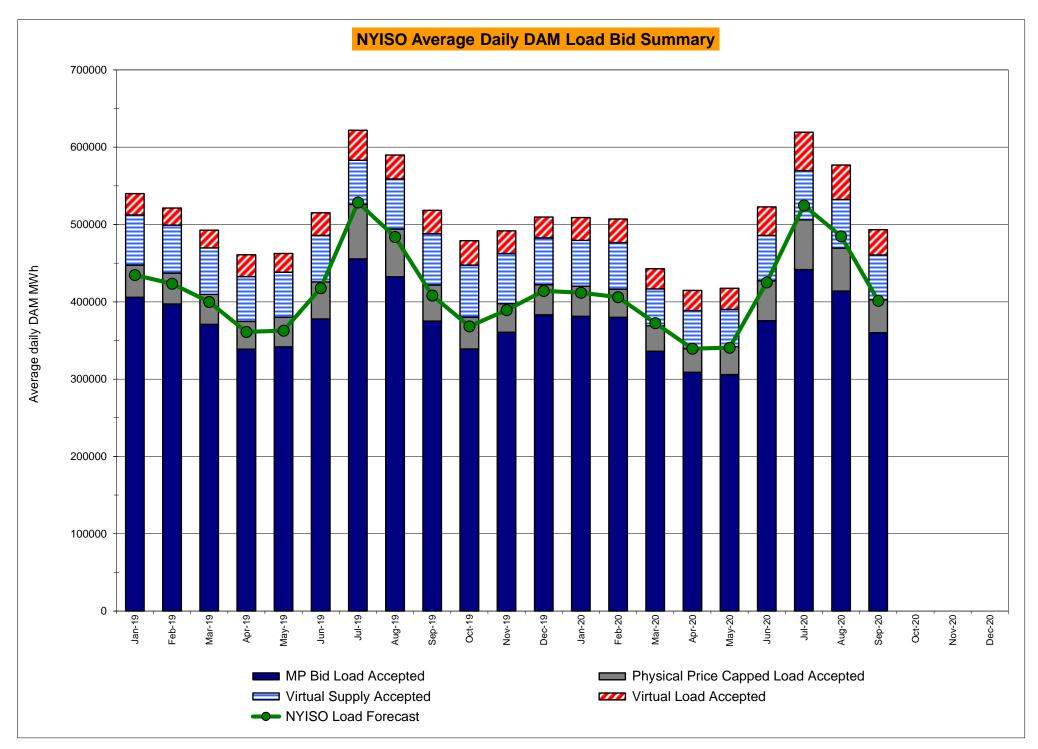
## NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RT

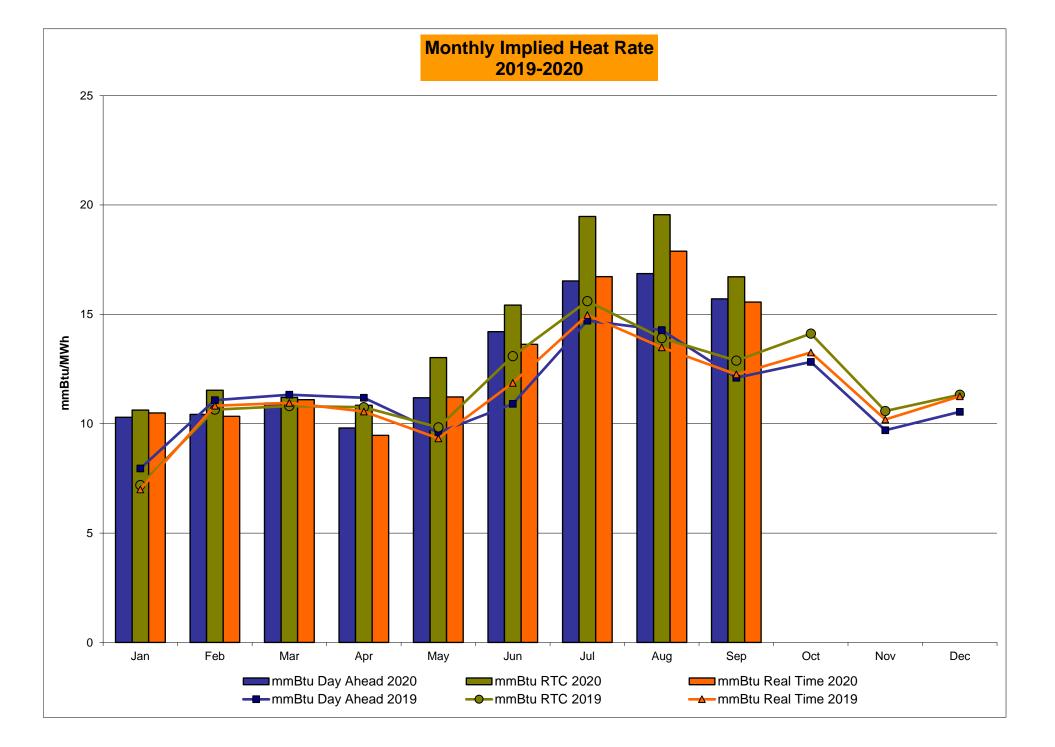
2020	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
Real Time Market												
10 Min Spin Long Island (K)	1.42	0.98	1.62	0.82	0.61	0.55	0.72	1.23	0.34			
10 Min Spin NYC (J)	1.42	0.98	1.62	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>2019</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
2019 Real Time Market	<del></del>		<del></del>	-	-			_	<u>September</u>		<u>November</u>	<u>December</u>
	2.53	2.53	2.24	2.75	1.58	1.58	1.58	1.58	1.58	1.96	1.72	2.77
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J)	2.53 2.53	2.53 2.53	2.24 2.24	2.75 2.75	1.58 1.58	1.58 1.58	1.58 1.58	1.58 1.58	·	1.96 2.54	1.72 1.72	
Real Time Market  10 Min Spin Long Island (K)	2.53	2.53 2.53 2.51	2.24 2.24 2.24	2.75 2.75 2.75	1.58	1.58	1.58	1.58	1.58	1.96 2.54 1.96	1.72	2.77 2.78 2.77
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J)	2.53 2.53	2.53 2.53	2.24 2.24	2.75 2.75	1.58 1.58	1.58 1.58	1.58 1.58	1.58 1.58	1.58 1.58	1.96 2.54	1.72 1.72	2.77 2.78
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	2.53 2.53 2.53	2.53 2.53 2.51	2.24 2.24 2.24	2.75 2.75 2.75	1.58 1.58 1.58	1.58 1.58 1.17	1.58 1.58 1.32	1.58 1.58 1.66	1.58 1.58 0.63	1.96 2.54 1.96	1.72 1.72 1.72	2.77 2.78 2.77
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	2.53 2.53 2.53 2.53	2.53 2.53 2.51 2.51	2.24 2.24 2.24 2.24	2.75 2.75 2.75 2.75	1.58 1.58 1.58 1.58	1.58 1.58 1.17 0.98	1.58 1.58 1.32 1.32	1.58 1.58 1.66 1.66	1.58 1.58 0.63 0.63	1.96 2.54 1.96 1.68	1.72 1.72 1.72 1.72	2.77 2.78 2.77 2.77
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	2.53 2.53 2.53 2.53 1.89	2.53 2.53 2.51 2.51 1.57	2.24 2.24 2.24 2.24 1.64	2.75 2.75 2.75 2.75 1.45	1.58 1.58 1.58 1.58 0.85	1.58 1.58 1.17 0.98 0.23	1.58 1.58 1.32 1.32 0.98	1.58 1.58 1.66 1.66 1.24	1.58 1.58 0.63 0.63 0.28	1.96 2.54 1.96 1.68 0.51	1.72 1.72 1.72 1.72 1.25	2.77 2.78 2.77 2.77 2.47
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch Long Island (K)	2.53 2.53 2.53 2.53 1.89 0.03	2.53 2.53 2.51 2.51 1.57 0.03	2.24 2.24 2.24 2.24 1.64 0.48	2.75 2.75 2.75 2.75 1.45 0.96	1.58 1.58 1.58 1.58 0.85 0.00	1.58 1.58 1.17 0.98 0.23 0.00	1.58 1.58 1.32 1.32 0.98 0.00	1.58 1.58 1.66 1.66 1.24 0.00	1.58 1.58 0.63 0.63 0.28 0.00	1.96 2.54 1.96 1.68 0.51 0.53	1.72 1.72 1.72 1.72 1.25 0.00	2.77 2.78 2.77 2.77 2.47 0.03
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 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 2.53 2.53 1.89 0.03 0.03	2.53 2.53 2.51 2.51 1.57 0.03 0.03	2.24 2.24 2.24 2.24 1.64 0.48 0.48	2.75 2.75 2.75 2.75 1.45 0.96 0.96	1.58 1.58 1.58 1.58 0.85 0.00	1.58 1.58 1.17 0.98 0.23 0.00	1.58 1.58 1.32 1.32 0.98 0.00 0.00	1.58 1.58 1.66 1.66 1.24 0.00 0.00	1.58 1.58 0.63 0.63 0.28 0.00	1.96 2.54 1.96 1.68 0.51 0.53 1.12	1.72 1.72 1.72 1.72 1.25 0.00 0.00	2.77 2.78 2.77 2.77 2.47 0.03 0.04
Real Time Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  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 2.53 2.53 1.89 0.03 0.03	2.53 2.53 2.51 2.51 1.57 0.03 0.03 0.18	2.24 2.24 2.24 2.24 1.64 0.48 0.48	2.75 2.75 2.75 2.75 1.45 0.96 0.96 0.96	1.58 1.58 1.58 1.58 0.85 0.00 0.00	1.58 1.58 1.17 0.98 0.23 0.00 0.00 0.33	1.58 1.58 1.32 1.32 0.98 0.00 0.00 0.11	1.58 1.58 1.66 1.66 1.24 0.00 0.00 0.03	1.58 1.58 0.63 0.63 0.28 0.00 0.00	1.96 2.54 1.96 1.68 0.51 0.53 1.12	1.72 1.72 1.72 1.72 1.25 0.00 0.00 0.00	2.77 2.78 2.77 2.77 2.47 0.03 0.04 0.03
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 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 2.53 2.53 1.89 0.03 0.03 0.03	2.53 2.53 2.51 2.51 1.57 0.03 0.03 0.18 0.18	2.24 2.24 2.24 2.24 1.64 0.48 0.48 0.48	2.75 2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.96	1.58 1.58 1.58 1.58 0.85 0.00 0.00 0.00	1.58 1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15	1.58 1.58 1.32 1.32 0.98 0.00 0.00 0.11	1.58 1.58 1.66 1.66 1.24 0.00 0.00 0.03	1.58 1.58 0.63 0.63 0.28 0.00 0.00 0.01	1.96 2.54 1.96 1.68 0.51 0.53 1.12 0.53 0.25	1.72 1.72 1.72 1.72 1.25 0.00 0.00 0.00	2.77 2.78 2.77 2.77 2.47 0.03 0.04 0.03 0.03
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 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 2.53 2.53 1.89 0.03 0.03 0.03 0.03	2.53 2.53 2.51 2.51 1.57 0.03 0.03 0.18 0.18 0.01	2.24 2.24 2.24 2.24 1.64 0.48 0.48 0.48 0.48 0.09	2.75 2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.96 0.17	1.58 1.58 1.58 1.58 0.85 0.00 0.00 0.00 0.00	1.58 1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15 0.02	1.58 1.58 1.32 1.32 0.98 0.00 0.00 0.11 0.11 0.08	1.58 1.58 1.66 1.66 1.24 0.00 0.00 0.03 0.03	1.58 1.58 0.63 0.63 0.28 0.00 0.00 0.01 0.01	1.96 2.54 1.96 1.68 0.51 0.53 1.12 0.53 0.25 0.01	1.72 1.72 1.72 1.72 1.25 0.00 0.00 0.00 0.00	2.77 2.78 2.77 2.77 2.47 0.03 0.04 0.03 0.03 0.00
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 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 2.53 2.53 1.89 0.03 0.03 0.03 0.03 0.00	2.53 2.53 2.51 2.51 1.57 0.03 0.03 0.18 0.18 0.01 0.00	2.24 2.24 2.24 2.24 1.64 0.48 0.48 0.48 0.48 0.09	2.75 2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.96 0.17 0.00	1.58 1.58 1.58 1.58 0.85 0.00 0.00 0.00 0.00 0.00	1.58 1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15 0.02 0.00	1.58 1.58 1.32 1.32 0.98 0.00 0.00 0.11 0.11 0.08 0.00	1.58 1.58 1.66 1.66 1.24 0.00 0.00 0.03 0.03 0.03 0.03	1.58 1.58 0.63 0.63 0.28 0.00 0.00 0.01 0.01 0.00 0.00	1.96 2.54 1.96 1.68 0.51 0.53 1.12 0.53 0.25 0.01	1.72 1.72 1.72 1.72 1.25 0.00 0.00 0.00 0.00 0.00	2.77 2.78 2.77 2.77 2.47 0.03 0.04 0.03 0.03 0.00 0.00
Real Time Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  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 2.53 2.53 1.89 0.03 0.03 0.03 0.03 0.00 0.00	2.53 2.53 2.51 2.51 1.57 0.03 0.03 0.18 0.18 0.01 0.00	2.24 2.24 2.24 2.24 1.64 0.48 0.48 0.48 0.48 0.09 0.03	2.75 2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.96 0.17 0.00 0.00	1.58 1.58 1.58 1.58 0.85 0.00 0.00 0.00 0.00 0.00 0.00	1.58 1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15 0.02 0.00 0.00	1.58 1.58 1.32 1.32 0.98 0.00 0.00 0.11 0.11 0.08 0.00 0.00	1.58 1.58 1.66 1.66 1.24 0.00 0.00 0.03 0.03 0.03 0.00 0.00	1.58 1.58 0.63 0.63 0.28 0.00 0.00 0.01 0.01 0.00 0.00	1.96 2.54 1.96 1.68 0.51 0.53 1.12 0.53 0.25 0.01 0.29 0.44	1.72 1.72 1.72 1.72 1.25 0.00 0.00 0.00 0.00 0.00 0.00	2.77 2.78 2.77 2.77 2.47 0.03 0.04 0.03 0.03 0.00 0.00
Real Time Market  10 Min Spin Long Island (K)  10 Min Spin NYC (J)  10 Min Spin SENY (GHI)  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 2.53 2.53 1.89 0.03 0.03 0.03 0.03 0.00 0.00 0.00	2.53 2.53 2.51 2.51 1.57 0.03 0.03 0.18 0.18 0.01 0.00 0.00	2.24 2.24 2.24 2.24 1.64 0.48 0.48 0.48 0.48 0.09 0.03 0.03	2.75 2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.96 0.17 0.00 0.00	1.58 1.58 1.58 1.58 0.85 0.00 0.00 0.00 0.00 0.00 0.00 0	1.58 1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15 0.02 0.00 0.00	1.58 1.58 1.32 1.32 0.98 0.00 0.00 0.11 0.11 0.08 0.00 0.00 0.0	1.58 1.58 1.66 1.66 1.24 0.00 0.00 0.03 0.03 0.03 0.00 0.00 0.0	1.58 1.58 0.63 0.63 0.28 0.00 0.00 0.01 0.01 0.00 0.00 0.00	1.96 2.54 1.96 1.68 0.51 0.53 1.12 0.53 0.25 0.01 0.29 0.44 0.29	1.72 1.72 1.72 1.72 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00	2.77 2.78 2.77 2.77 2.47 0.03 0.04 0.03 0.03 0.00 0.00 0.00
Real Time Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 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 SENY (GHI)	2.53 2.53 2.53 2.53 1.89 0.03 0.03 0.03 0.03 0.00 0.00 0.00	2.53 2.53 2.51 2.51 1.57 0.03 0.03 0.18 0.18 0.01 0.00 0.00	2.24 2.24 2.24 2.24 1.64 0.48 0.48 0.48 0.09 0.03 0.03 0.03	2.75 2.75 2.75 2.75 1.45 0.96 0.96 0.96 0.96 0.17 0.00 0.00 0.00	1.58 1.58 1.58 1.58 0.85 0.00 0.00 0.00 0.00 0.00 0.00 0	1.58 1.58 1.17 0.98 0.23 0.00 0.00 0.33 0.15 0.02 0.00 0.00 0.13	1.58 1.58 1.32 1.32 0.98 0.00 0.00 0.11 0.11 0.08 0.00 0.00 0.0	1.58 1.58 1.66 1.66 1.24 0.00 0.03 0.03 0.03 0.03 0.00 0.00 0.0	1.58 1.58 0.63 0.63 0.28 0.00 0.00 0.01 0.01 0.00 0.00 0.00 0.0	1.96 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	1.72 1.72 1.72 1.72 1.25 0.00 0.00 0.00 0.00 0.00 0.00 0.00	2.77 2.78 2.77 2.77 2.47 0.03 0.04 0.03 0.03 0.00 0.00 0.00 0.00

### NYISO In City Energy Mitigation - AMP (NYC Zone) 2019 - 2020 Percentage of committed unit-hours mitigated

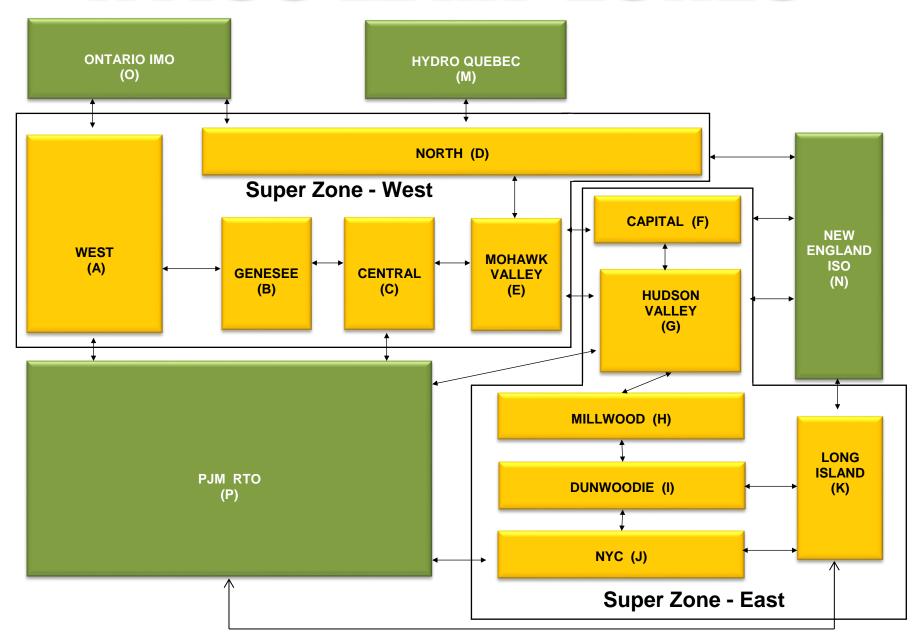








## NYISO LBMP ZONES



Market Mitigation and Analysis Prepared: 10/7/2020 3:55 PM

#### **Billing Codes for Chart C**

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

Market Mitigation and Analysis Prepared: 10/7/2020 3:55 PM

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

**Upcoming Compliance Filings** 

Filing Due Date	Upcoming Compliance Filings (Description)	Docket Number

**Recently Issued Orders** 

Filing Date	Filing Summary (Order Issued)	Order Date	Order Summary	Docket Number
05/29/2020	NYISO compliance filing re: removal of state program language from MST 23.4.5.7.5	10/07/2020	Order accepted compliance filing subject to a further compliance filing to be made within 45 days (i.e., 11/23/2020)	ER17-996-003
07/30/3030	NYISO 205 filing re: revisions to clarify the process of calculating the minimum installed capacity requirement and defining a new term: NYCA Peak Load Forecast	09/18/2020	Order accepted revisions effective 09/29/2020, as requested	ER20-2555-000
08/12/2020	NYISO compliance filing re: establishment of the effective date for Energy Storage Resource tariff provisions	10/02/2020	Order accepted 08/26/2020 effective date, as requested	ER20-2113-001
08/14/2020	Joint NYISO and New York State Electric & Gas Corporation ("NYSEG") 205 filing re: large generator interconnection agreement (SA 2452) between NYISO, NYSEG and Eight Point Wind, LLC	10/02/2020	Order accepted agreement effective 07/31/2020, as requested	ER20-2673-000
08/26/2020	Joint NYISO and Niagara Mohawk Power Corporation ("Niagara Mohawk") 205 filing re: small generator interconnection agreement (SA 2549) between NYISO, Niagara Mohawk, and Duke Energy Renewables Solar, LLC	10/07/2020	Order accepted agreement effective 08/20/2020, as requested	ER20-2749-000
08/28/2020	Joint NYISO and New York State Electric & Gas Corporation ("NYSEG") 205 filing re: small generator interconnection agreement (SA 2545) between NYISO, NYSEG and Puckett Solar, LLC	10/13/2020	Order accepted agreement effective 08/18/2020, as requested	ER20-2767-000
09/11/2020	NYISO filing re: request for extension of time to submit compliance tariff revisions concerning the propose Self-Supply Exemption under its buyer-side capacity market power mitigation rules	09/17/2020	FERC notice granting the NYISO request for an extension of time to submit its compliance filing until 12/21/2020	ER16-1404-000

#### FINAL

**Recently Submitted Filings** 

Filing Date	Filing Summary	Docket Number
	NYISO and Central Hudson Gas & Electric Corporation ("Central Hudson") joint 205 filing re: small generator interconnection agreement (SA 2547) between NYISO, Central Hudson and Hecate Energy Greene 1 LLC	ER20-2943-000
09/22/2020	NYISO and Central Hudson Gas & Electric Corporation ("Central Hudson") joint 205 filing re: small generator interconnection agreement (SA 2548) between NYISO, Central Hudson and Hecate Energy Greene 2 LLC	ER20-2944-000
09/24/2020	NYISO and Niagara Mohawk Power Corporation ("National Grid") joint 205 filing re: small generator interconnection agreement (SA 2554) between NYISO, National Grid and Hecate Energy Albany 1 LLC	ER20-2973-000
09/24/2020	NYISO and Niagara Mohawk Power Corporation ("National Grid") joint 205 filing re: small generator interconnection agreement (SA 2555) between NYISO, National Grid and Hecate Energy Albany 2 LLC	ER20-2974-000
09/24/2020	NYISO filing re: post technical conference comments regarding hybrid resources	AD20-9-000
09/25/2020	NYISO 205 filing re: OATT revisions to a regulatory milestone requirement in the interconnection process	ER20-2999-000
09/28/2020	NYISO and Niagara Mohawk Power Corporation ("National Grid") joint 205 filing re: small generator interconnection agreement (SA 2556) between NYISO, National Grid, and Darby Solar, LLC	ER20-3000-000
09/28/2020	NYISO and Niagara Mohawk Power Corporation ("National Grid") joint 205 filing re: small generator interconnection agreement (SA 2557) between NYISO, National Grid, and Branscomb Solar, LLC	ER20-3001-000
09/29/2020	NYISO and New York State Electric & Gas Corporation ("NYSEG") joint 205 filing re: small generator interconnection agreement (SA 2553) between NYISO, NYSEG, and Janis Solar, LLC	ER20-3021-000
10/02/2020	NYISO answer to protests of its 08/18/2020, submission of a petition requesting that FERC issue a declaratory order to confirm that NYTOs possess a right to build, own, and recover the costs of upgrades to their existing transmission facilities under Order No. 1000 and the NYISO OATT	EL20-65-000
10/05/2020	Joint NYISO and New York State Electric & Gas Corporation ("NYSEG") 205 filing re: small generator interconnection agreement (SA 2546) between NYISO, NYSEG, and SunEast Dog Corners Solar LLC	ER21-28-000
10/05/2020	NYISO filing re: request for rehearing and clarification of the 09/04/2020 Order rejecting tariff revisions that would have enhanced the "Part A Exemption Test" under the NYISO's "buyer-side" capacity market power mitigation measures	ER20-1718-000
10/09/2020	NYISO filing re: letter to NYPSC concerning 15 public policy transmission need proposals	PSC Case No. 20-E-0497
10/09/2020	NYISO filing re: Letter to LIPA concerning 11 public policy transmission need proposals	PSC Case No. 20-E-0497
10/12/2020	NYISO filing re: Third Quarter 2020 Electric Quarterly Report	ER02-2001-000
10/16/2020	NYISO exigent circumstances 205 filing re: ICAP Demand Curve gas price logic	ER21-130-000
10/16/2020	NYISO filing re: request for extension of time to answer the Cricket Valley complaint v. NYISO regarding the capacity offer floor measures set forth in the Services Tariff	EL21-7-000
10/19/2020	NYISO filing re: refiling of the exigent circumstances ICAP demand curve gas price logic 205 filing to correct a typographical error	ER21-130-001
10/20/2020	Joint NYISO and NYSEG 205 filing re: small generator interconnection agreement (SA 2562) between NYISO, NYSEG, and Orangeville Energy Storage LLC	ER21-154-000

# 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



