

# **NYISO CEO/COO Report**

#### **Richard Dewey**

President & Chief Executive Officer

#### **Rick Gonzales**

Senior Vice President & Chief Operating Officer

#### **Management Committee Meeting**

March 25, 2020 Rensselaer, NY

## NYISO CEO/COO Report

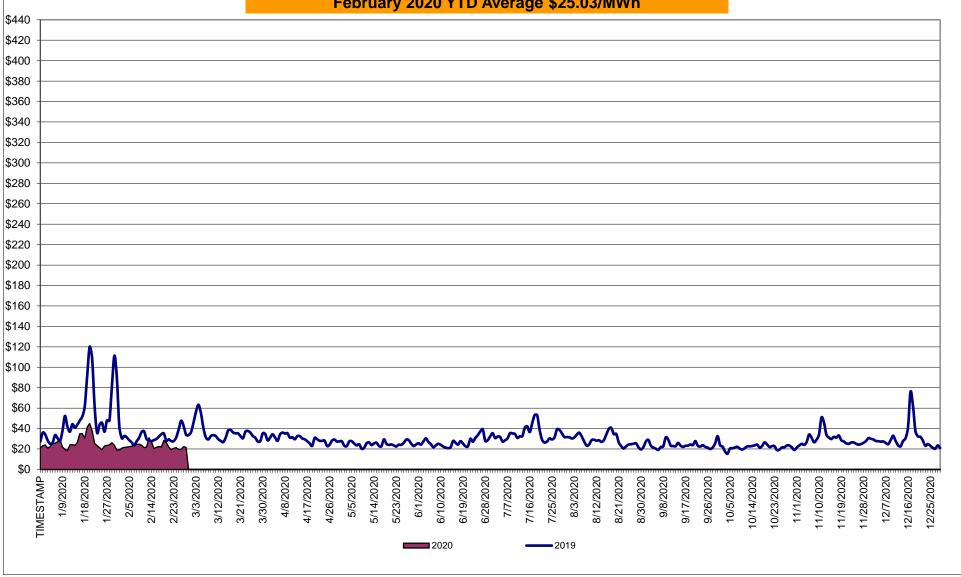
- CEO Report
- COO Report
  - Market Performance Highlights For Information Only
  - Operations Performance Metrics Monthly Report



# Market Performance Highlights February 2020

- LBMP for February is \$21.11/MWh; lower than \$24.77/MWh in January 2020 and \$33.51/MWh in February 2019.
  - Day Ahead and Real Time Load Weighted LBMPs are lower compared to January.
- February 2020 average year-to-date monthly cost of \$25.40/MWh is a 43% decrease from \$44.93/MWh in February 2019.
- Average daily sendout is 417 GWh/day in February; lower than 423 GWh/day in January 2020 and 436 GWh/day in February 2019.
- Natural gas and distillate prices are lower compared to the previous month.
  - Natural Gas (Transco Z6 NY) was \$1.87 /MMBtu, down from \$2.20/MMBtu in January.
  - Natural gas prices are down 32.2% year-over-year.
  - Jet Kerosene Gulf Coast was \$11.33/MMBtu, down from \$13.24/MMBtu in January.
  - Ultra Low Sulfur No.2 Diesel NY Harbor was \$11.73/MMBtu, down from \$13.33/MMBtu in January.
  - Distillate prices are down 18.3% year-over-year.
- Uplift per MWh is lower compared to the previous month.
  - Uplift (not including NYISO cost of operations) is (\$0.23)/MWh; lower than (\$0.15)/MWh in January.
    - Local Reliability Share is \$0.06/MWh, lower than \$0.07/MWh in January.
    - Statewide Share is (\$0.29)/MWh, lower than (\$0.22)/MWh in January.
  - TSA \$ per NYC MWh is \$0.00/MWh.
  - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than January.

# Daily NYISO Average Cost/MWh (Energy & Ancillary Services)\* 2019 Annual Average \$32.59/MWh February 2019 YTD Average \$44.93/MWh February 2020 YTD Average \$25.03/MWh

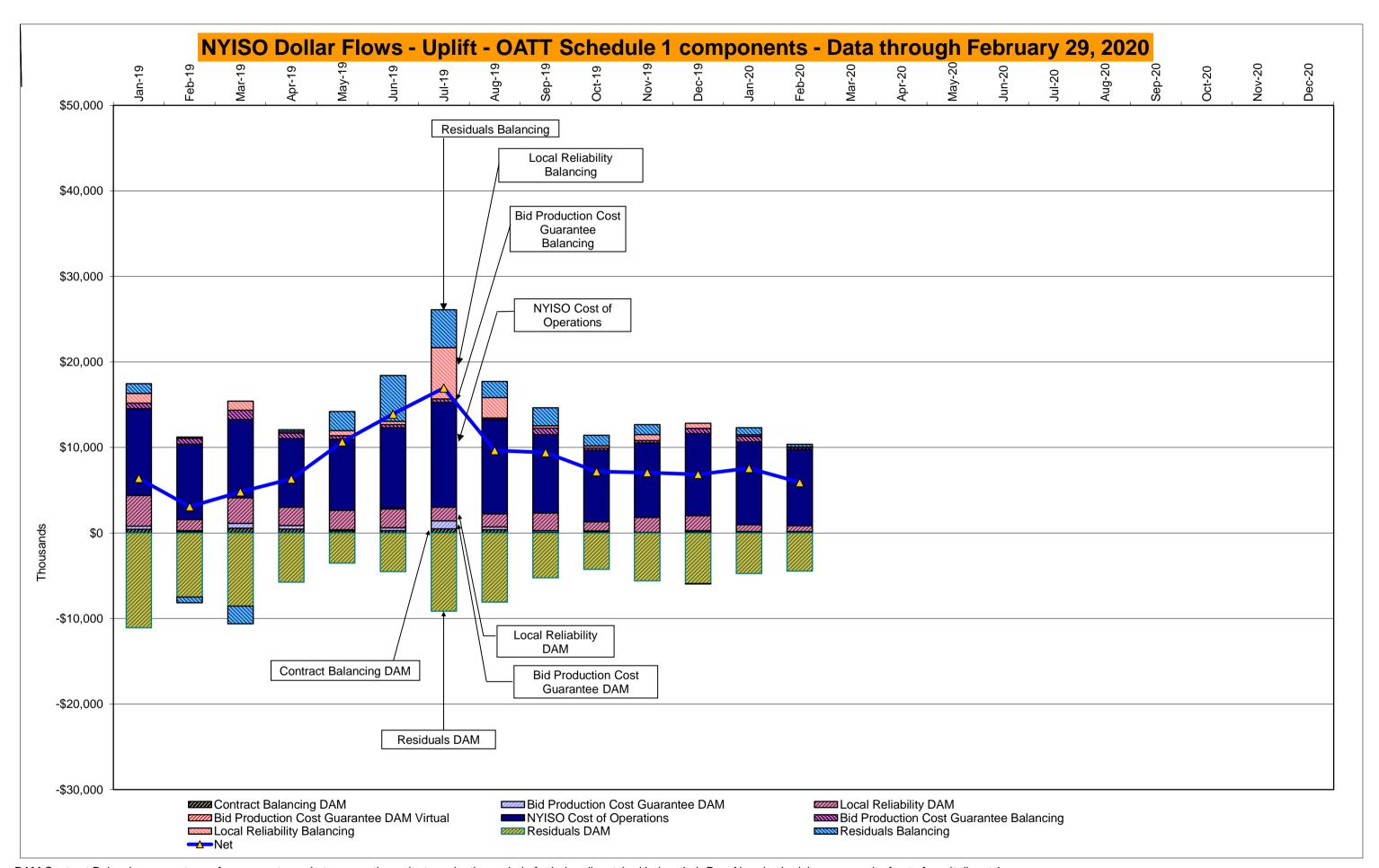


<sup>\*</sup> Excludes ICAP payments.

## 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>	September	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	24.77	21.11										
NTAC	0.91	0.70										
Reserve	0.46	0.43										
Regulation	0.09	0.08										
NYISO Cost of Operations	0.68	0.69										
FERC Fee Recovery	0.08	0.09										
Uplift	(0.15)	(0.23)										
Uplift: Local Reliability Share	0.07	0.06										
Uplift: Statewide Share	(0.22)	(0.29)										
Voltage Support and Black Start	0.44	0.44										
Avg Monthly Cost	27.29	23.32										
Avg YTD Cost	27.29	25.40										
TSA \$ per NYC MWh	0.00	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>	November	December
LBMP	50.93	33.51	34.91	28.01	23.10	24.43	33.18	27.83	22.22	20.84	27.39	29.52
NTAC	0.51	0.69	0.98	1.16	0.72	1.08	1.01	0.98	0.48	0.57	0.88	0.77
Reserve	0.54	0.51	0.55	0.63	0.63	0.50	0.44	0.49	0.50	0.62	0.50	0.44
Regulation	0.13	0.11	0.10	0.33	0.13	0.09	0.07	0.09	0.09	0.13	0.11	0.10
NYISO Cost of Operations	0.68	0.68	0.69	0.69	0.68	0.69	0.70	0.70	0.69	0.67	0.67	0.67
FERC Fee Recovery	0.08	0.09	0.09	0.10	0.10	0.08	0.06	0.07	0.09	0.09	0.09	0.08
Uplift	(0.25)	(0.44)	(0.33)	(0.15)	0.13	0.07	(0.06)	(0.20)	(0.13)	(0.09)	(0.13)	(0.19)
Uplift: Local Reliability Share	0.32	0.11	0.31	0.20	0.23	0.19	0.44	0.25	0.17	0.11	0.19	0.17
Uplift: Statewide Share	(0.57)	(0.55)	(0.64)	(0.35)	(0.11)	(0.12)	(0.50)	(0.45)	(0.30)	(0.20)	(0.31)	(0.35)
Voltage Support and Black Start	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.36
Avg Monthly Cost	52.99	35.51	37.38	31.16	25.88	27.32	35.78	30.33	24.32	23.21	29.89	31.76
Avg YTD Cost	52.99	44.93	42.54	40.12	37.57	35.76	35.75	34.96	33.88	32.94	32.69	32.59
TSA \$ per NYC MWh	0.00	0.00	0.01	0.01	0.19	0.77	1.00	0.33	0.43	0.00	0.00	0.00

<sup>\*</sup> Excludes ICAP payments. Market Mitigation and Analysis Prepared: 3/10/2020 12:11 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>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>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Day Ahead Market MWh	14,194,609	13,172,669										
DAM LSE Internal LBMP Energy Sales	56%	56%										
DAM External TC LBMP Energy Sales	6%	5%										
DAM Bilateral - Internal Bilaterals	30%	30%										
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%										
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%										
DAM Bilateral - Wheel Through Bilaterals	1%	1%										
Balancing Energy Market MWh	-26,753	-142,168										
Balancing Energy LSE Internal LBMP Energy Sales	-1080%	-221%										
Balancing Energy External TC LBMP Energy Sales	1156%	181%										
Balancing Energy Bilateral - Internal Bilaterals	62%	5%										
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%										
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	127%	16%										
Balancing Energy Bilateral - Wheel Through Bilaterals	-365%	-81%										
Transactions Summary												
LBMP	62%	62%										
Internal Bilaterals	31%	31%										
Import Bilaterals	5%	5%										
Export Bilaterals	2%	2%										
Wheels Through	0%	1%										
Market Share of Total Load												
Day Ahead Market	100.2%	101.1%										
Balancing Energy +	-0.2%	-1.1%										
Total MWH	14,167,856	13,030,501										
Average Daily Energy Sendout/Month GWh	423	417										_
2010	lanuary.	Fobruary	March	Λnril	May	luno	lukz	August	Sontombor	Octobor	November	Docombor
2019	January	February	March	April	<u>May</u>	<u>June</u>	<u>July</u>	August	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, <del>567,821</del> 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%
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Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  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%	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  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% 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%	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  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 - Export/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% 63% 29%	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% 61% 30%	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%	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% 32%	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 - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Export Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Export 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  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  Wheels Through  Market Share of Total Load	15,299,458 57% 6% 29% 5% 1% 2% -322,442 -120% 65% -4% 0% 3% -45% 63% 29% 5% 1% 1%	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%	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 - Export/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% 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% 102.0%	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% 99.7%
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  Wheels Through  Market Share of Total Load  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% 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% 102.0% -2.0%	11,811,029 59% 1% 31% 5% 2% 2% -218,482 -178% 113% 2% 0% 7% -44% 60% 31% 6% 2% 1% 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% 1% 99.4% 0.6%	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% 99.7% 0.3%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Export/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% 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% 102.0%	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% 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.

<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.

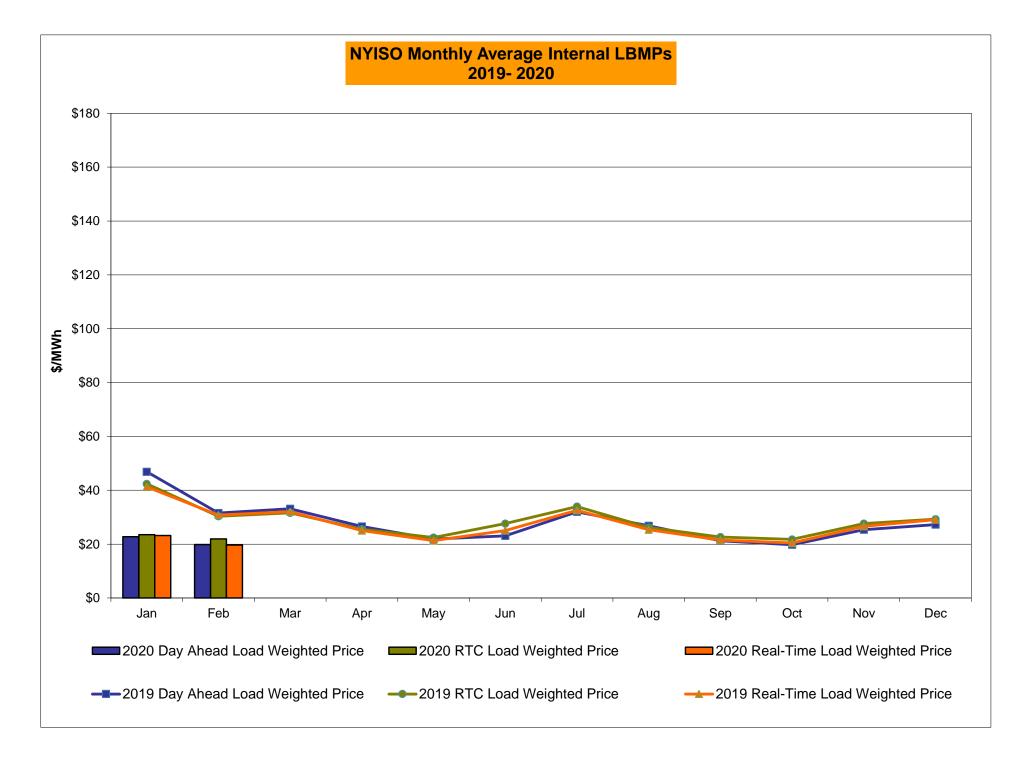
#### NYISO Markets 2020 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August September	October November December
DAY AHEAD LBMP									
Price *	\$22.11	\$19.48							
Standard Deviation	\$7.43	\$4.45							
Load Weighted Price **	\$22.77	\$19.84							
RTC LBMP									
Price *	\$22.86	\$21.48							
Standard Deviation	\$9.33	\$53.30							
Load Weighted Price **	\$23.50	\$21.94							
REAL TIME LBMP									
Price *	\$22.53	\$19.29							
Standard Deviation	\$11.90	\$8.68							
Load Weighted Price **	\$23.20	\$19.68							
Average Daily Energy Sendout/Month GWh	423	417							

#### **NYISO Markets 2019 Energy Statistics**

DAY 41154D   DMD	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August S	<u>September</u>	October	November [	<u>December</u>
DAY AHEAD LBMP Price *	\$45.01	\$30.66	\$32.34	\$25.97	\$21.16	\$21.79	\$30.16	\$25.35	\$20.45	\$19.18	\$24.65	\$26.29
Standard Deviation	\$25.67	\$12.86	\$9.30	\$6.32	\$5.89	\$7.28	\$12.06	\$8.73	\$5.57	\$5.09	\$7.73	\$11.81
Load Weighted Price **	\$46.88	\$31.53	\$33.14	\$26.57	\$21.89	\$23.04	\$31.98	\$26.83	\$21.23	\$19.77	\$25.36	\$27.22
RTC LBMP												
Price *	\$40.86	\$29.74	\$31.04	\$25.07	\$21.88	\$25.67	\$32.23	\$24.92	\$21.70	\$20.92	\$26.82	\$28.17
Standard Deviation	\$23.02	\$10.79	\$8.48	\$7.53	\$8.01	\$23.45	\$21.96	\$14.96	\$9.22	\$13.95	\$10.37	\$16.26
Load Weighted Price **	\$42.39	\$30.32	\$31.62	\$25.54	\$22.44	\$27.64	\$33.92	\$26.14	\$22.60	\$21.76	\$27.64	\$29.24
REAL TIME LBMP												
Price *	\$39.54	\$30.13	\$31.46	\$24.47	\$20.56	\$23.30	\$30.77	\$24.01	\$20.49	\$19.53	\$25.82	\$27.81
Standard Deviation	\$26.03	\$13.77	\$12.54	\$17.27	\$10.35	\$17.49	\$20.63	\$12.36	\$9.62	\$12.02	\$11.60	\$19.64
Load Weighted Price **	\$41.24	\$30.80	\$32.06	\$25.06	\$21.28	\$25.05	\$32.53	\$25.34	\$21.50	\$20.43	\$26.64	\$29.05
Average Daily Energy Sendout/Month GWh	449	436	411	371	373	429	539	487	419	377	401	427

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

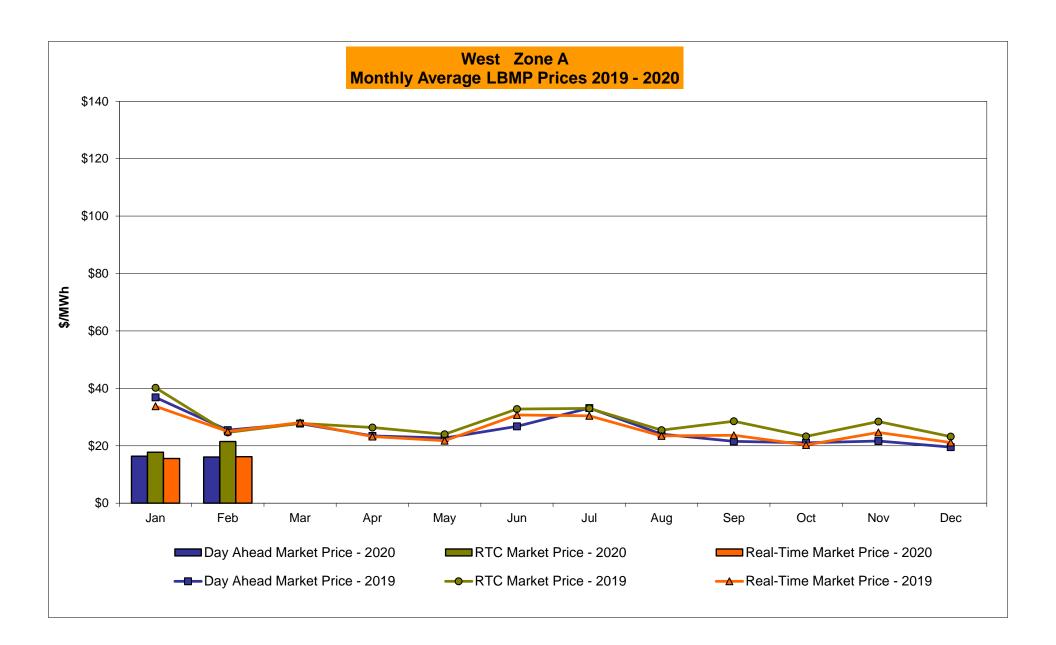


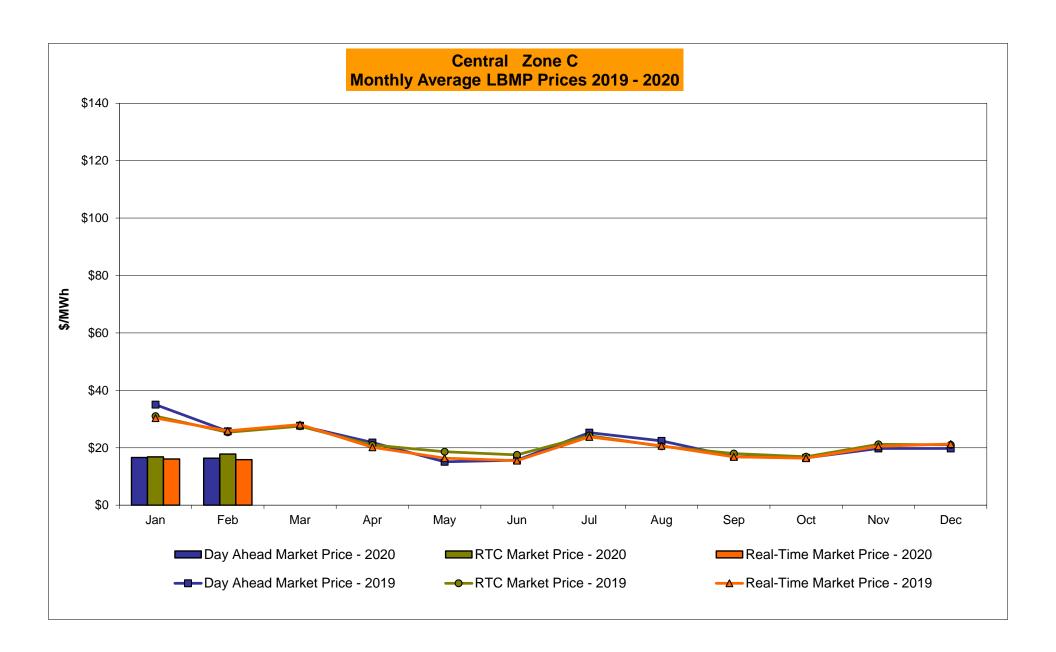
#### February 2020 Zonal LBMP Statistics for NYISO (\$/MWh)

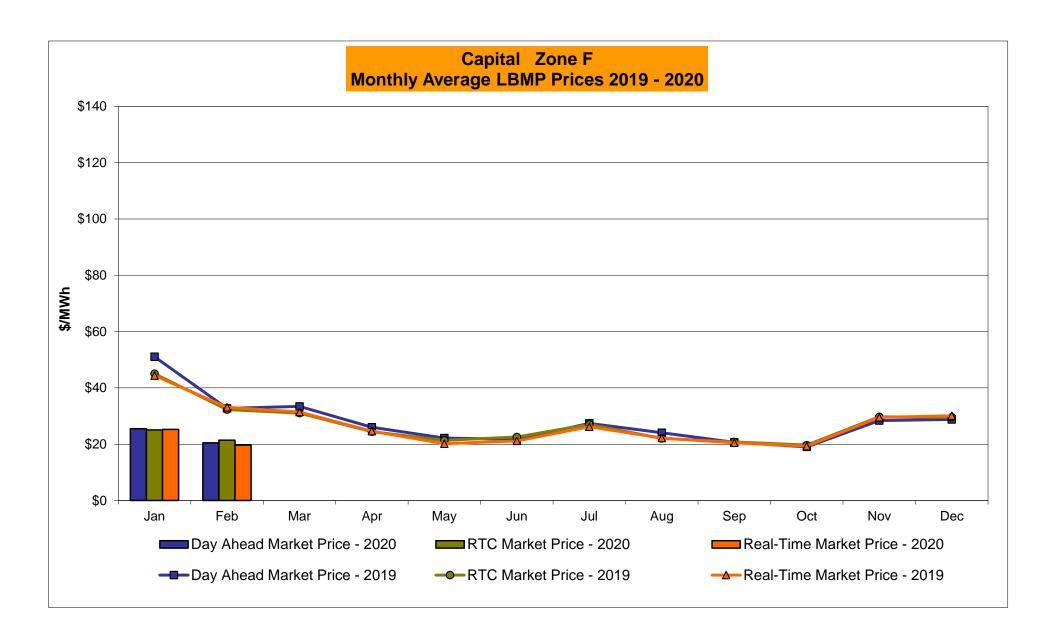
	WEST	GENESEE	NORTH	CENTRAL	MOHAWK VALLEY	CAPITAL	HUDSON VALLEY	MILLWOOD	DUNWOODIE	NEW YORK CITY	LONG ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP											
Unweighted Price *	16.07	15.79	14.88	16.36	16.65	20.45	19.66	19.82	19.87	21.26	23.85
Standard Deviation	4.55	4.36	4.55	4.42	4.53	4.06	3.94	3.97	3.99	5.15	5.93
RTC LBMP											
Unweighted Price *	21.49	16.94	16.35	17.78	18.00	21.45	20.68	20.81	20.85	23.23	25.99
Standard Deviation	65.55	48.74	48.98	50.55	50.72	51.91	51.61	51.95	52.10	53.94	56.55
REAL TIME LBMP											
Unweighted Price *	16.21	15.23	14.52	15.84	16.11	19.68	18.87	18.99	19.02	22.23	22.30
Standard Deviation	9.48	8.33	8.89	8.42	8.60	8.13	7.73	7.77	7.78	12.26	11.79
		HAUDU	HADBU			CDOSS					
	ONTARIO	HYDRO	HYDRO		NEW	CROSS	NORTHPORT-				
	ONTARIO IESO	QUEBEC	QUEBEC	PJM	NEW ENGLAND	SOUND	NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
	ONTARIO IESO	QUEBEC		РЈМ	NEW ENGLAND	SOUND CABLE	NORWALK	NEPTUNE Controllable	LINDEN VFT	HUDSON Controllable	Dennison Controllable
		QUEBEC	QUEBEC	PJM <u>Zone P</u>		SOUND		NEPTUNE Controllable Line	LINDEN VFT Controllable Line	HUDSON Controllable Line	Dennison Controllable Line
DAY AHEAD LBMP	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	<u>Controllable</u>	Controllable
<b>DAY AHEAD LBMP</b> Unweighted Price *	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	<u>Controllable</u>	Controllable
	IESO  Zone O	QUEBEC (Wheel) Zone M	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> 15.28	QUEBEC (Wheel)  Zone M  15.06	QUEBEC (Import/Export)  Zone M  15.06	<b>Zone P</b> 17.96	<b>Zone N</b> 21.40	SOUND CABLE Controllable Line	NORWALK Controllable Line 22.71	Controllable Line 22.20	Controllable Line 20.26	Controllable Line 20.04	Controllable Line 14.59
Unweighted Price * Standard Deviation	<b>Zone O</b> 15.28	QUEBEC (Wheel)  Zone M  15.06	QUEBEC (Import/Export)  Zone M  15.06	<b>Zone P</b> 17.96	<b>Zone N</b> 21.40	SOUND CABLE Controllable Line	NORWALK Controllable Line 22.71	Controllable Line 22.20	Controllable Line 20.26	Controllable Line 20.04	Controllable Line 14.59
Unweighted Price * Standard Deviation  RTC LBMP	<b>Zone O</b> 15.28 4.04	QUEBEC (Wheel) Zone M 15.06 4.51	QUEBEC (Import/Export)  Zone M  15.06 4.51	<b>Zone P</b> 17.96 3.91	<b>Zone N</b> 21.40 4.31	SOUND CABLE Controllable Line 23.05 5.88	NORWALK Controllable Line  22.71 5.76	Controllable Line 22.20 5.82	Controllable Line 20.26 4.23	Controllable Line 20.04 3.96	Controllable Line 14.59 4.41
Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price * Standard Deviation  REAL TIME LBMP	15.28 4.04 14.46 6.04	QUEBEC (Wheel)  Zone M  15.06 4.51  14.68 8.87	QUEBEC (Import/Export)  Zone M  15.06 4.51  14.68 8.87	Zone P  17.96 3.91  18.01 10.26	Zone N 21.40 4.31 21.19 11.06	SOUND CABLE Controllable Line 23.05 5.88 24.00 24.99	NORWALK Controllable Line  22.71 5.76  23.74 24.94	22.20 5.82 23.23 23.32	20.26 4.23 19.27 10.82	20.04 3.96 19.11 11.09	14.59 4.41 14.32 9.07
Unweighted Price * Standard Deviation  RTC LBMP  Unweighted Price * Standard Deviation	IESO  Zone O  15.28 4.04	QUEBEC (Wheel)  Zone M  15.06 4.51	QUEBEC (Import/Export)  Zone M  15.06 4.51	<b>Zone P</b> 17.96 3.91 18.01	<b>Zone N</b> 21.40 4.31	SOUND CABLE Controllable Line 23.05 5.88	NORWALK Controllable Line  22.71 5.76	Controllable Line 22.20 5.82 23.23	Controllable Line 20.26 4.23	Controllable Line 20.04 3.96	Controllable Line 14.59 4.41

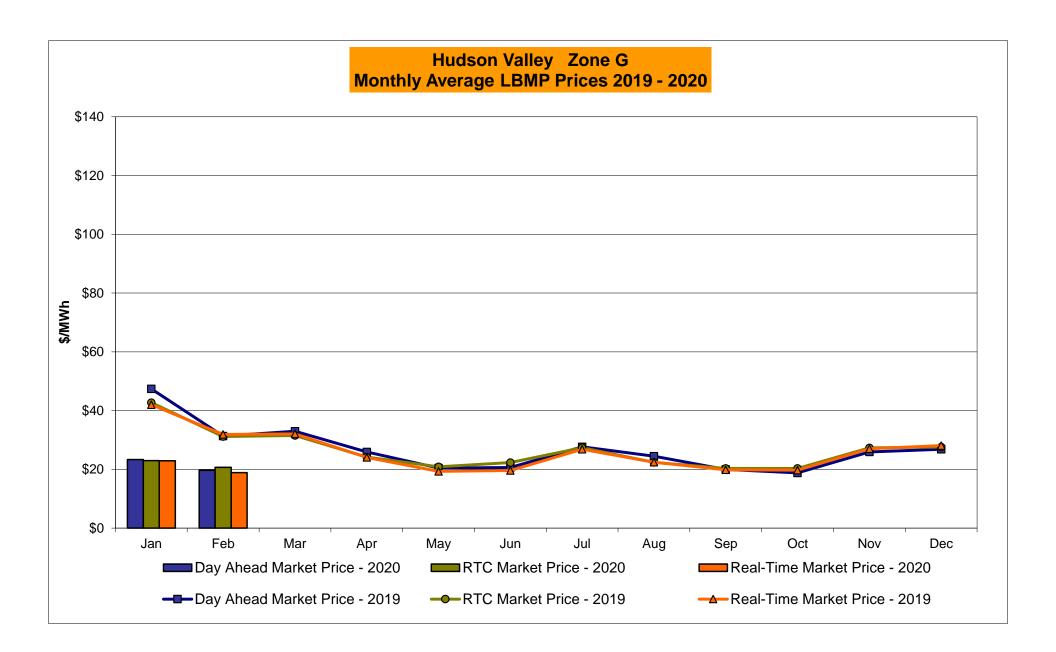
Market Mitigation and Analysis Prepared: 3/10/2020 12:11 PM

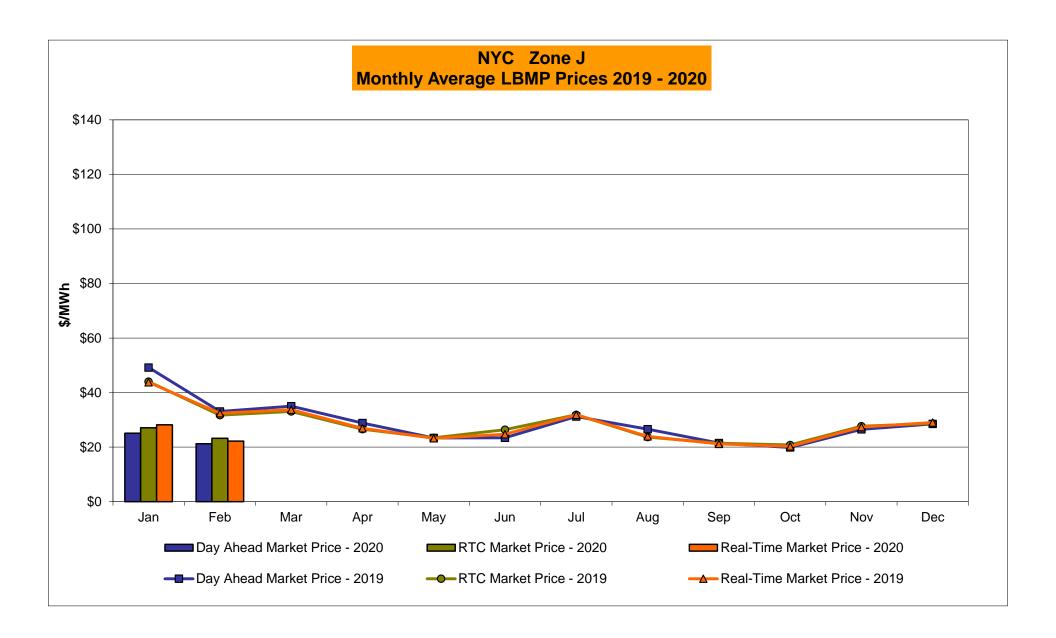
<sup>\*</sup> Straight LBMP averages

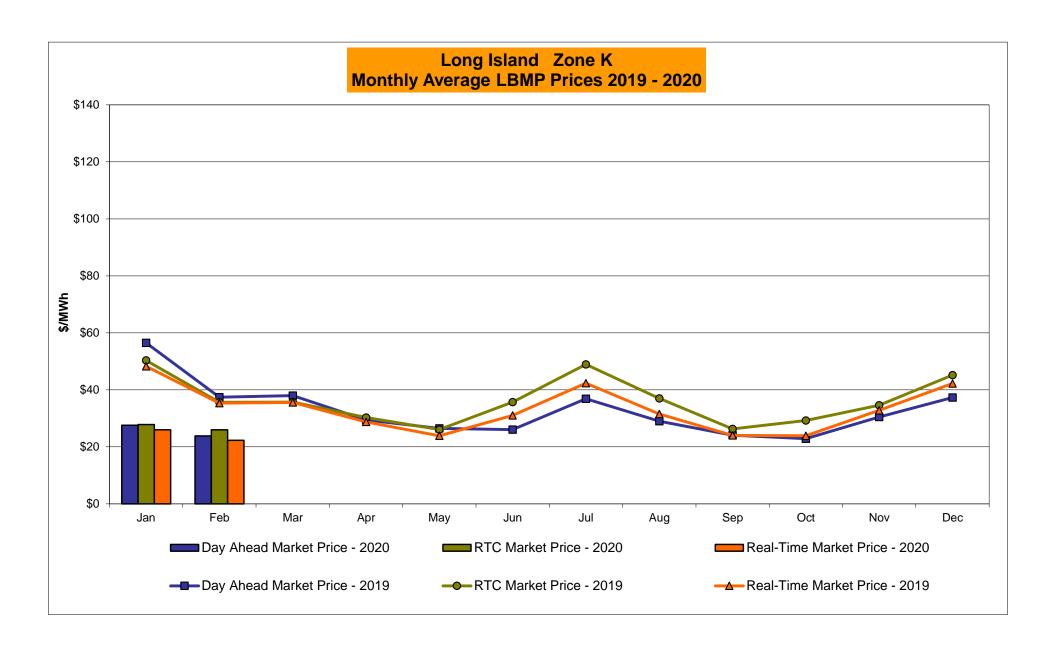


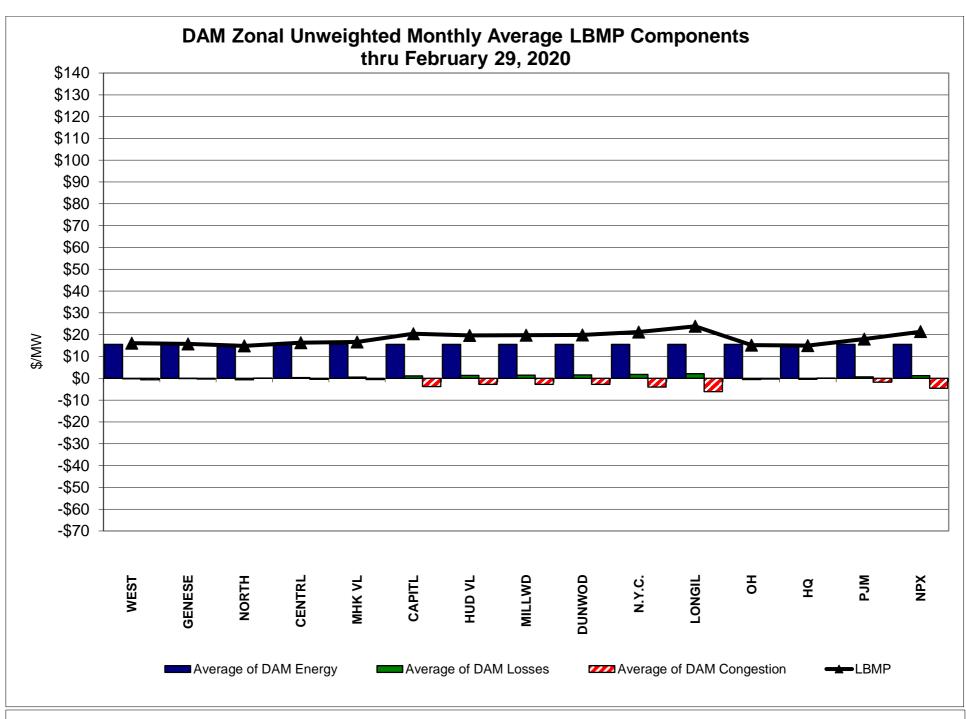


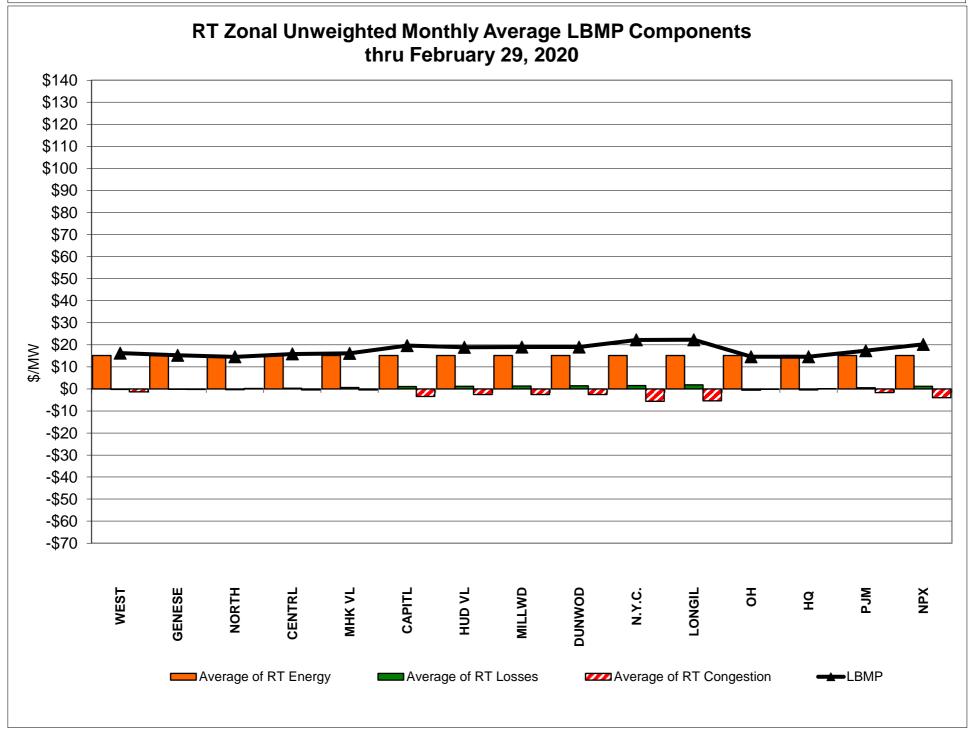




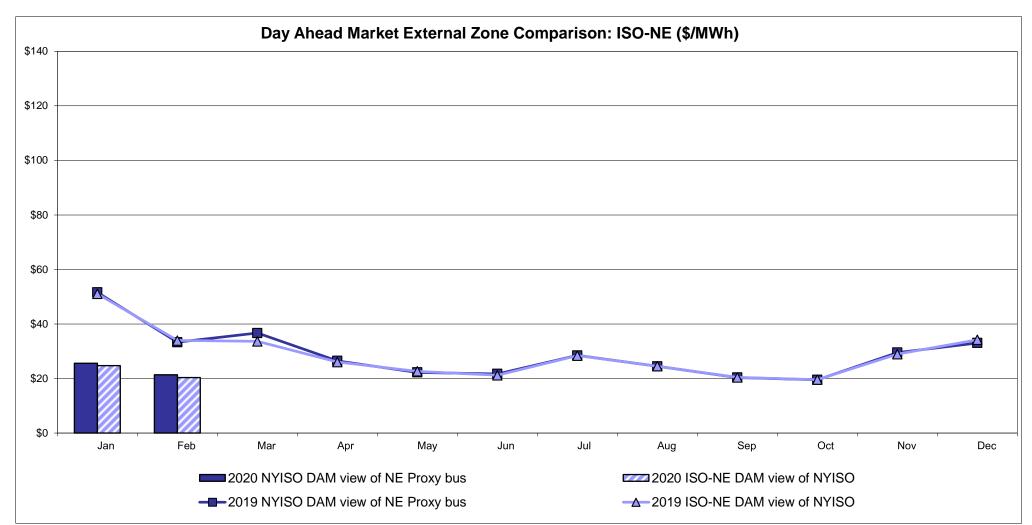


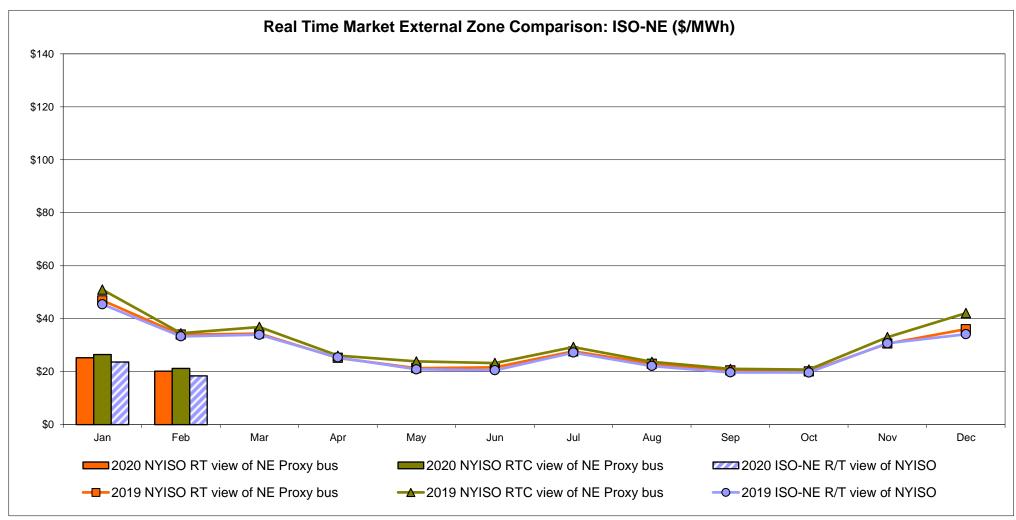




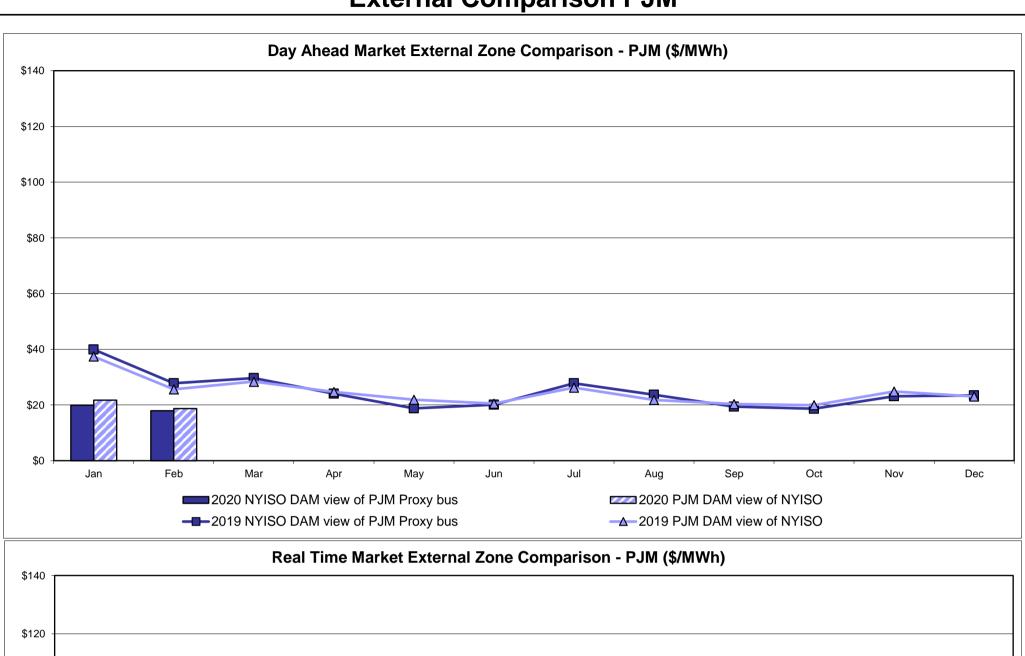


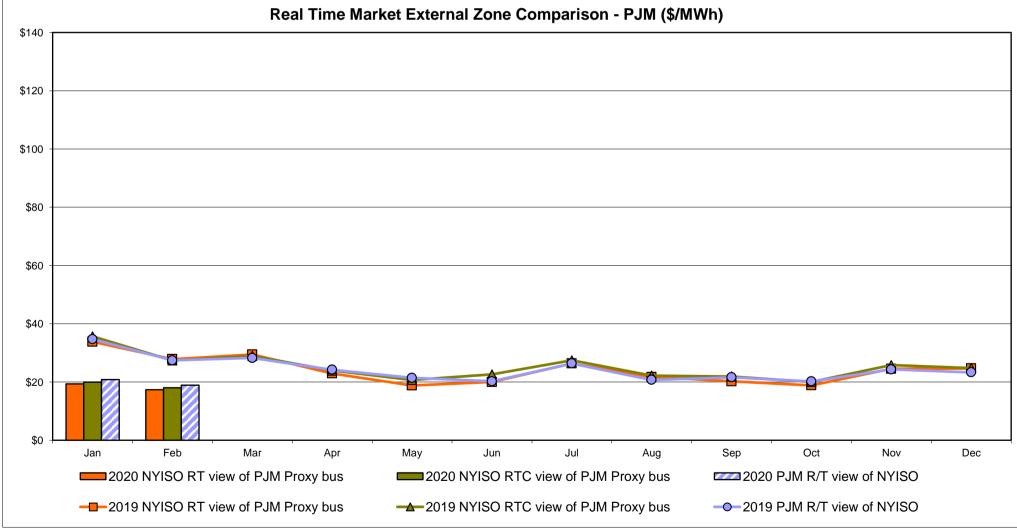
## **External Comparison ISO-New England**



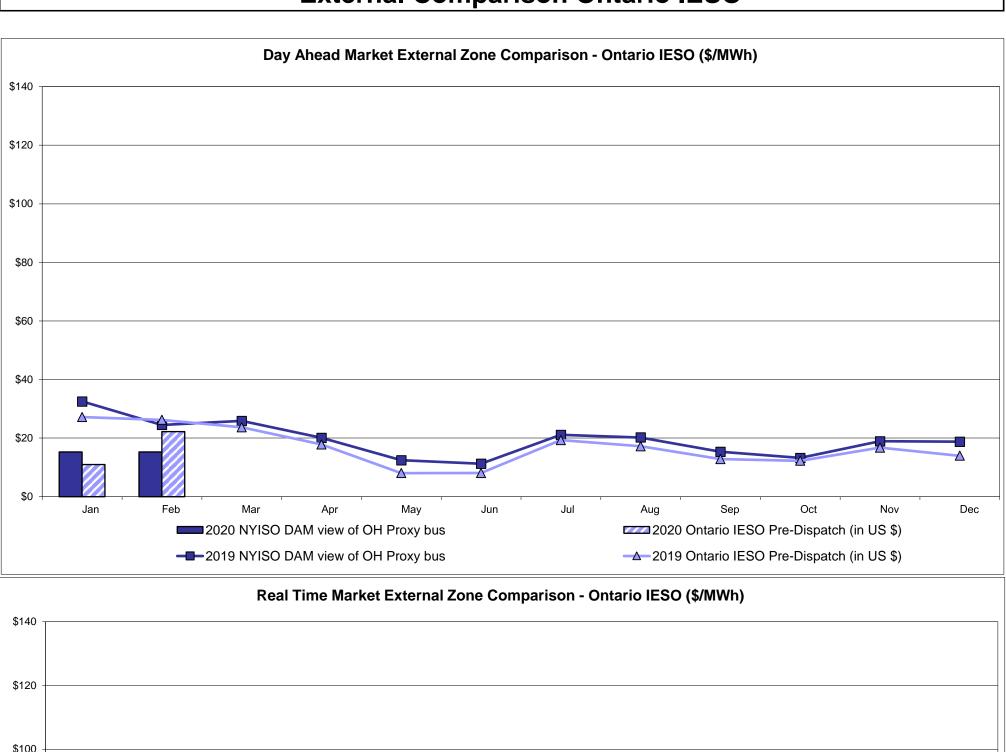


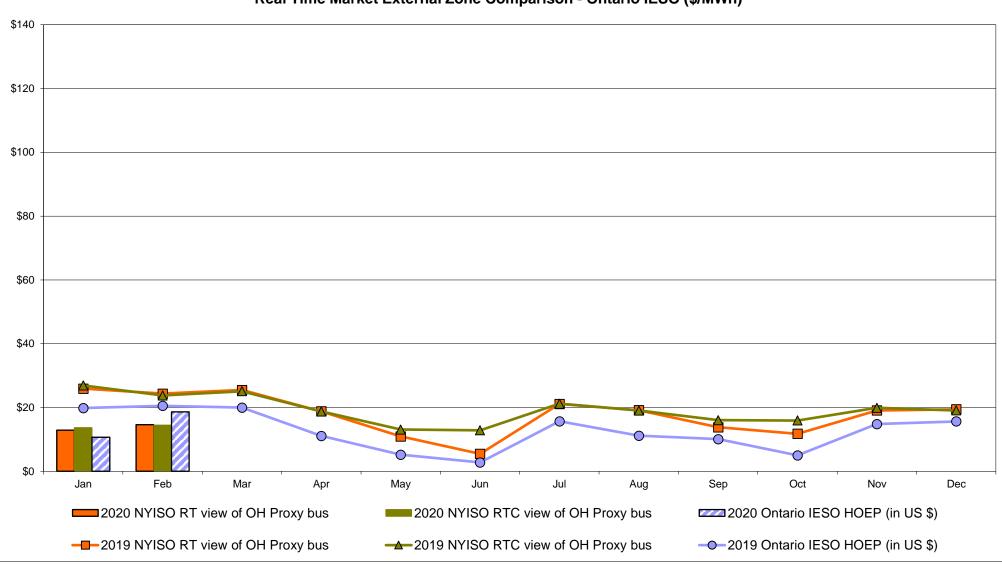
### **External Comparison PJM**





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

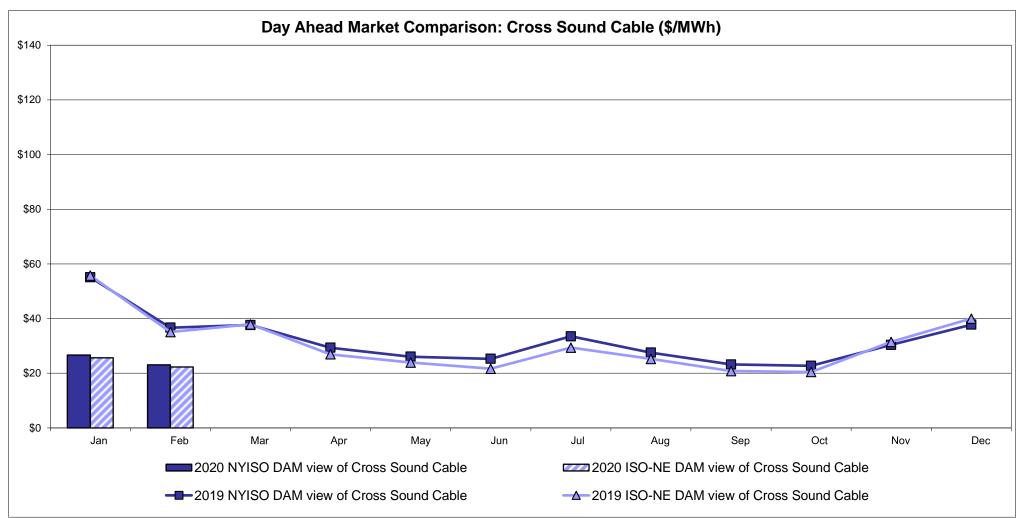


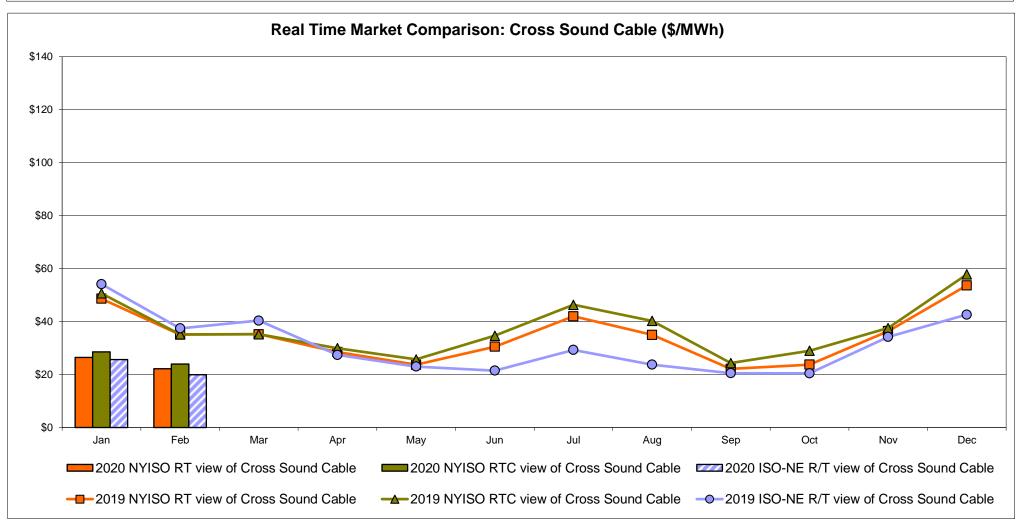


Notes: Exchange factor used for February 2020 was 1.3286 to US

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

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





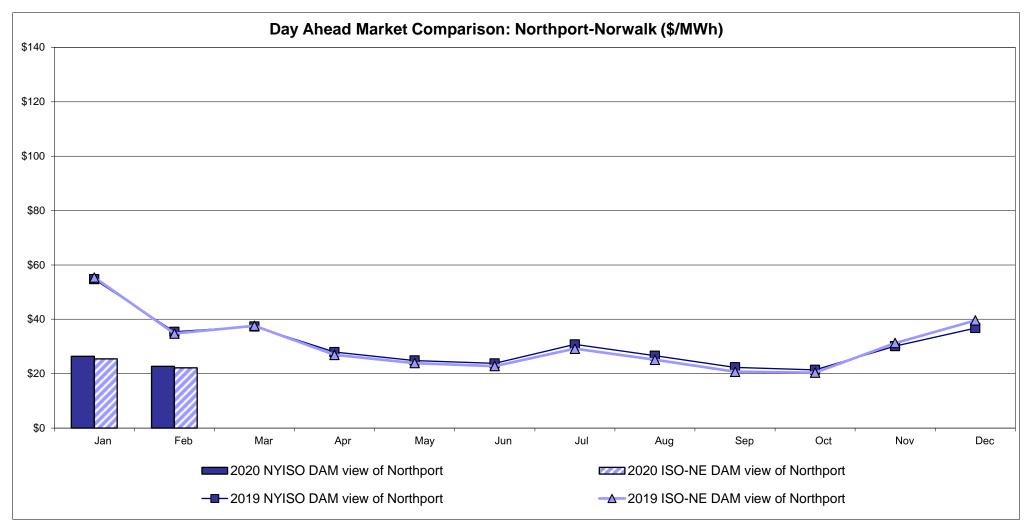
#### Note:

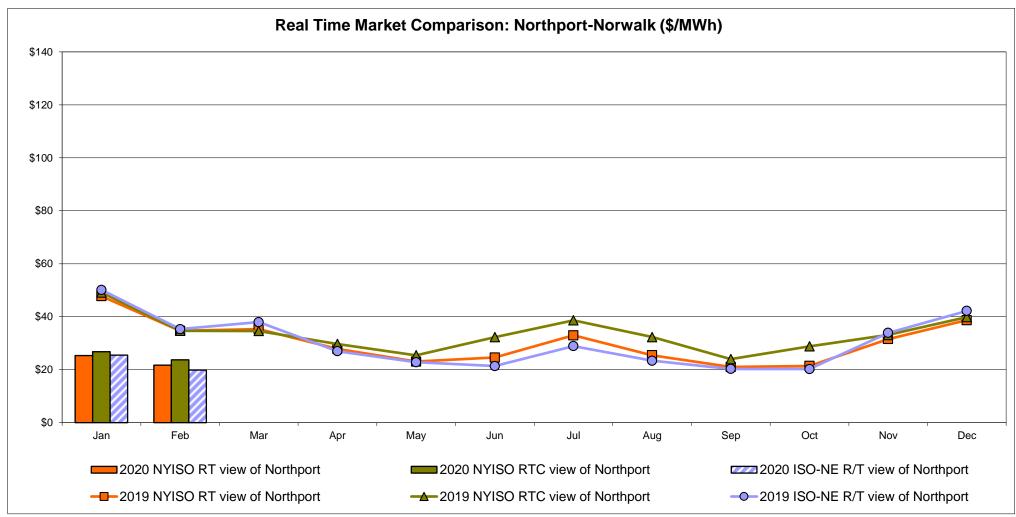
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)**





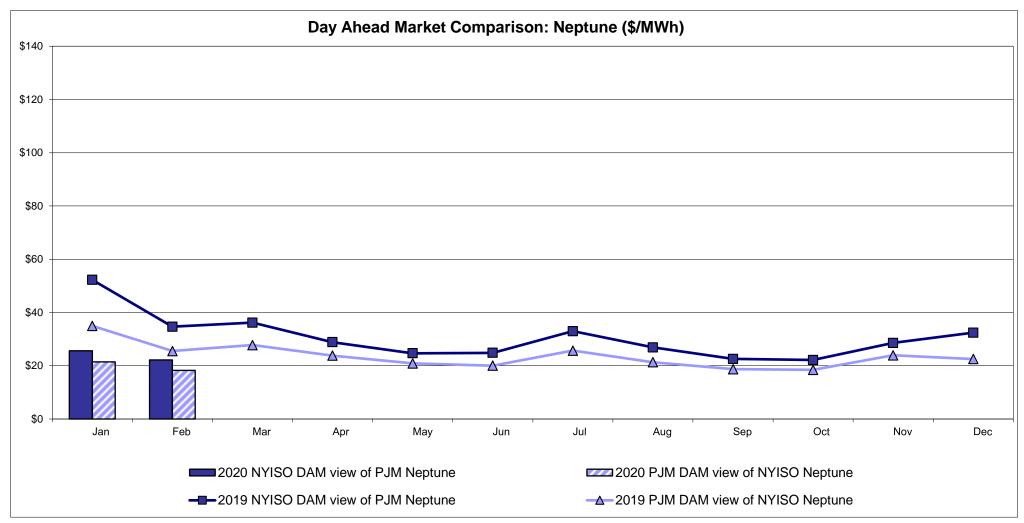
Note:

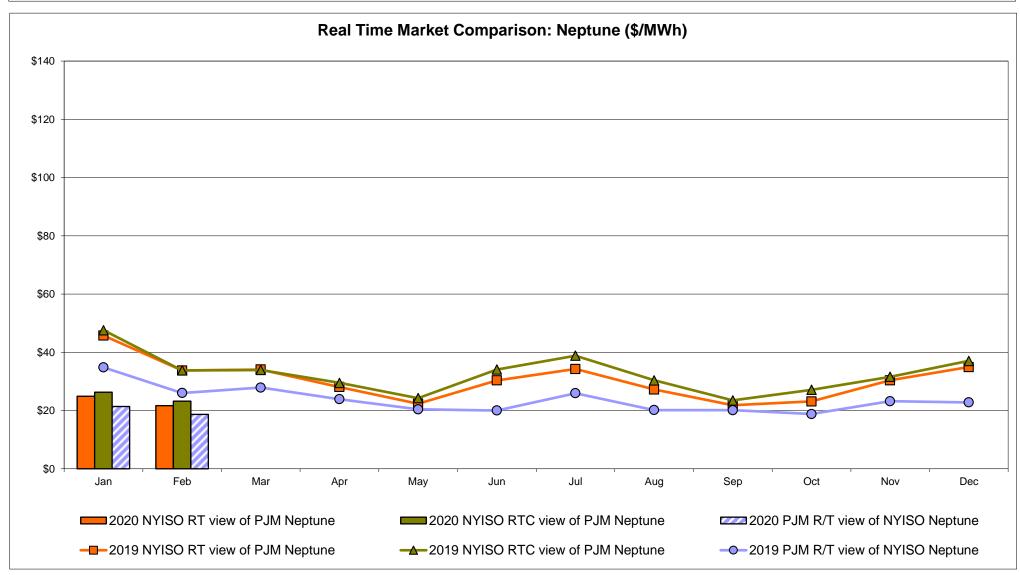
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

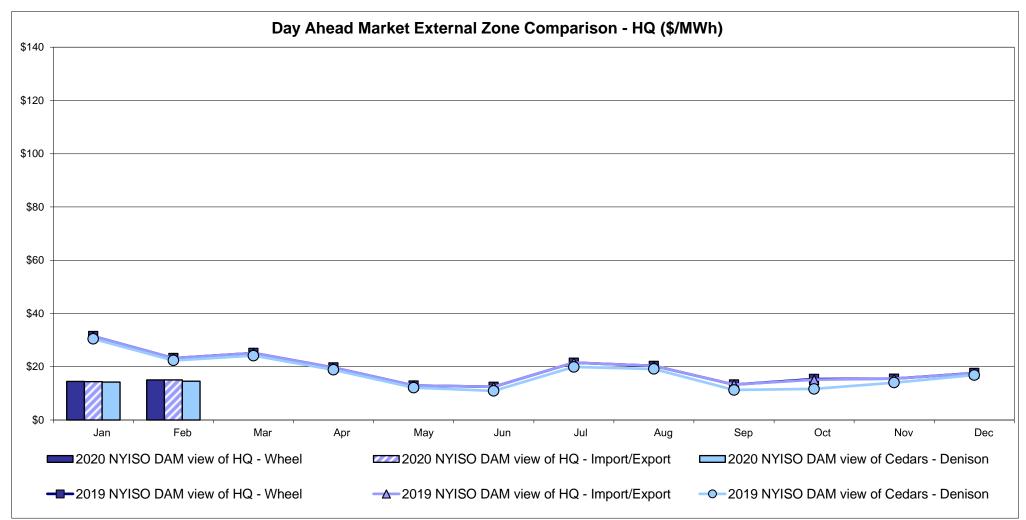
The DAM and R/T prices at the 1385 interface are used for NYISO.

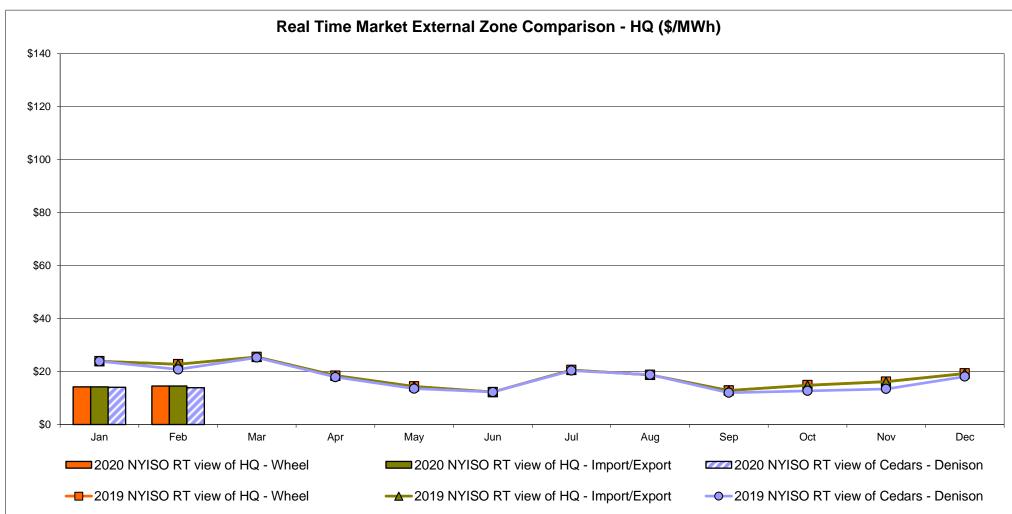
## **External Controllable Line: Neptune (PJM)**





## **External Comparison Hydro-Quebec**

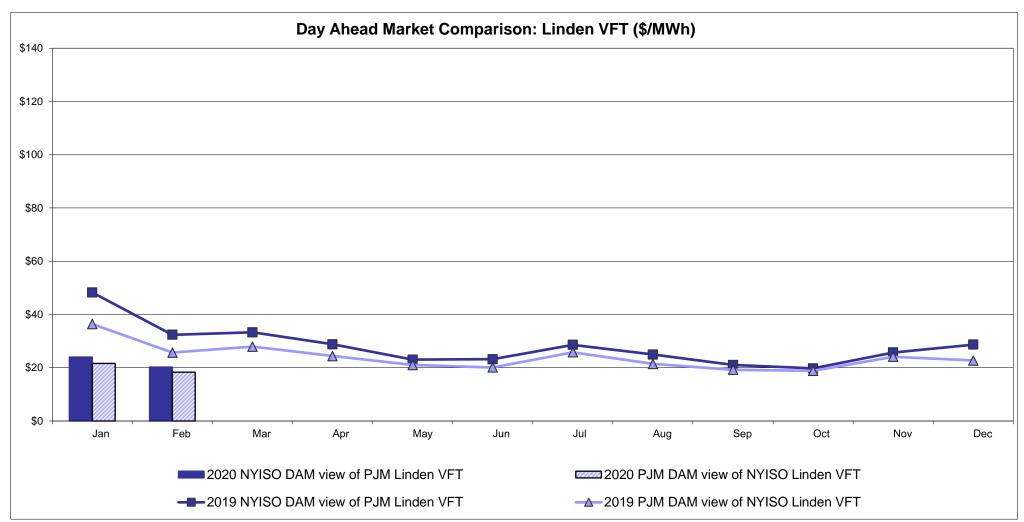


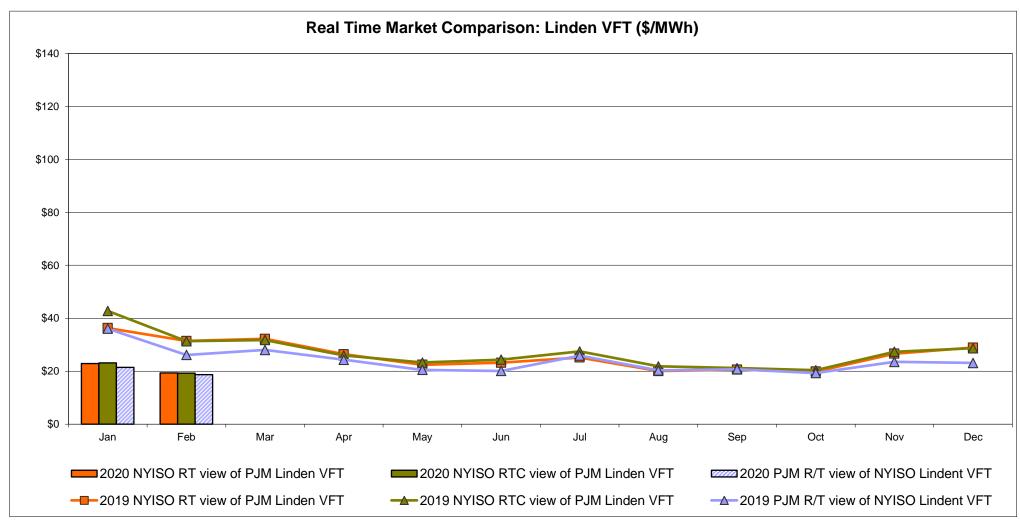


Note:

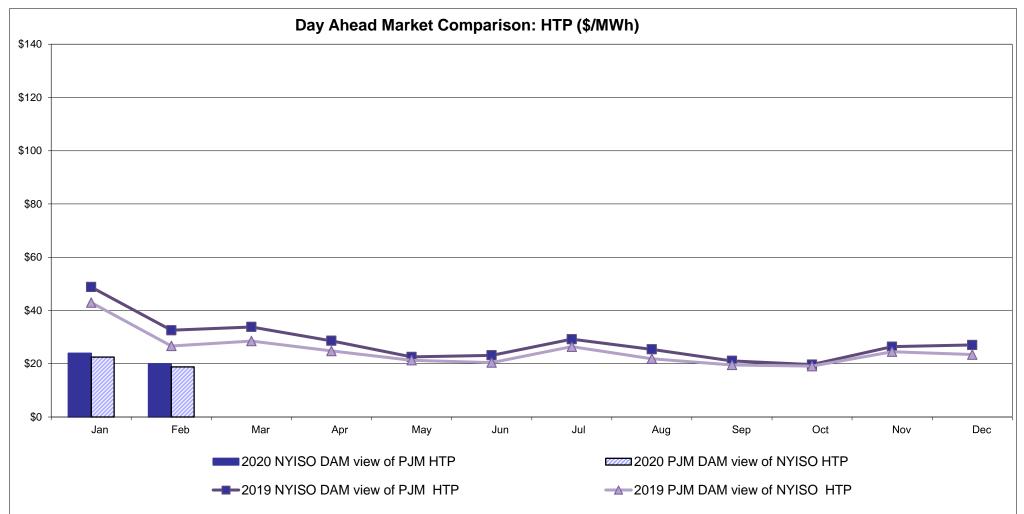
Hydro-Quebec Prices are unavailable.

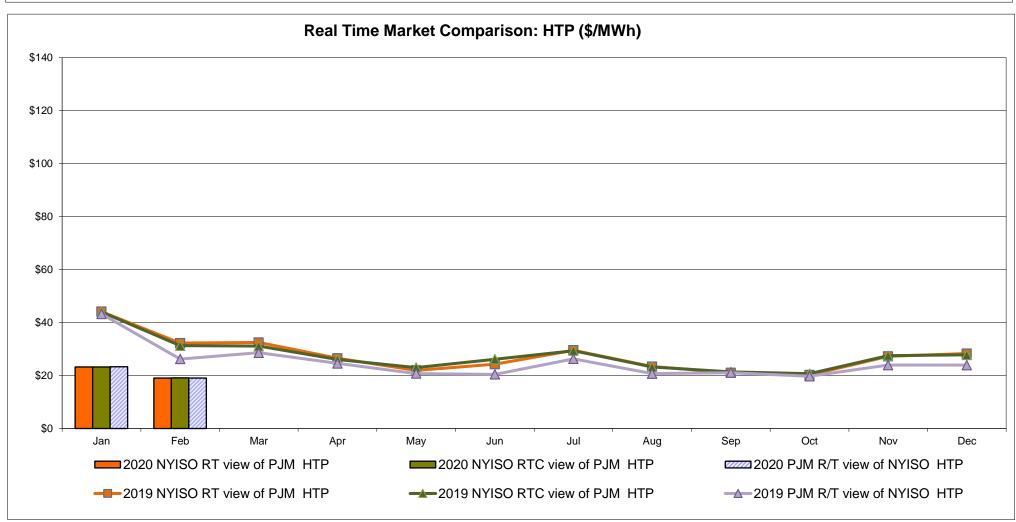
### **External Controllable Line: Linden VFT (PJM)**





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

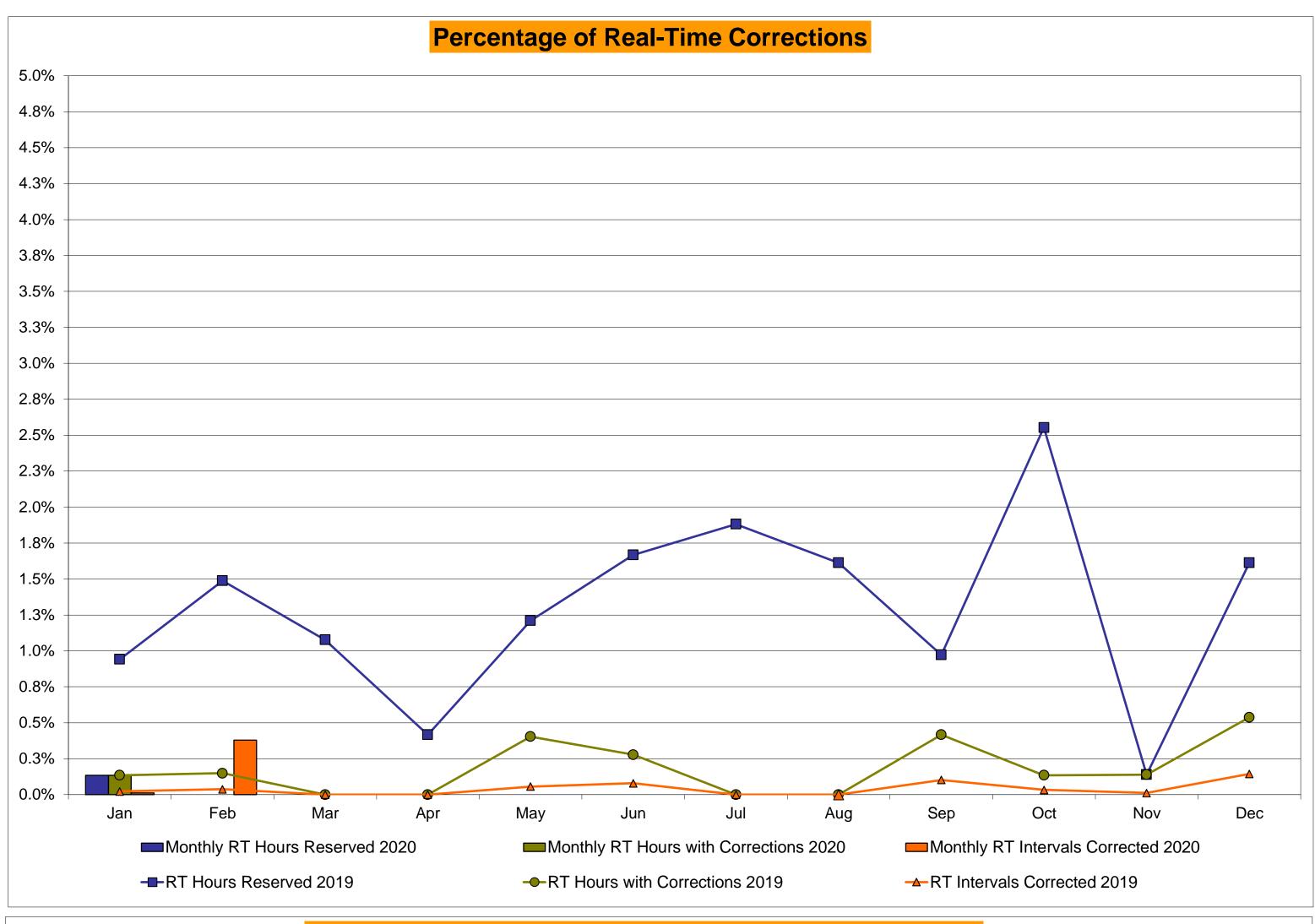




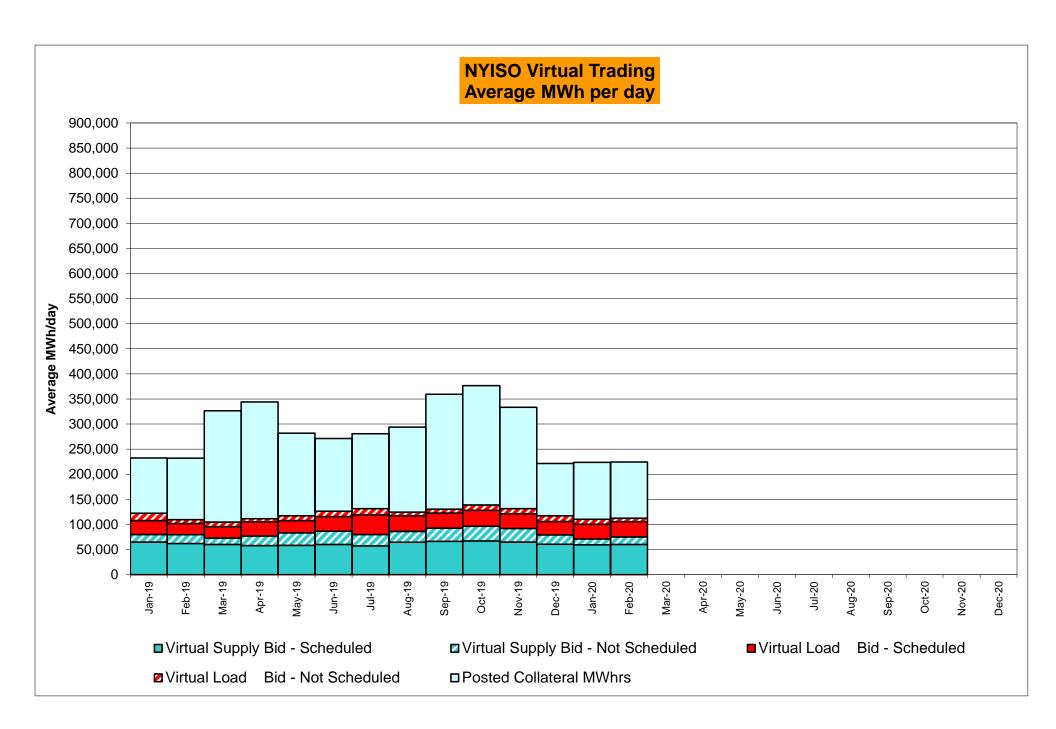
#### **NYISO Real Time Price Correction Statistics**

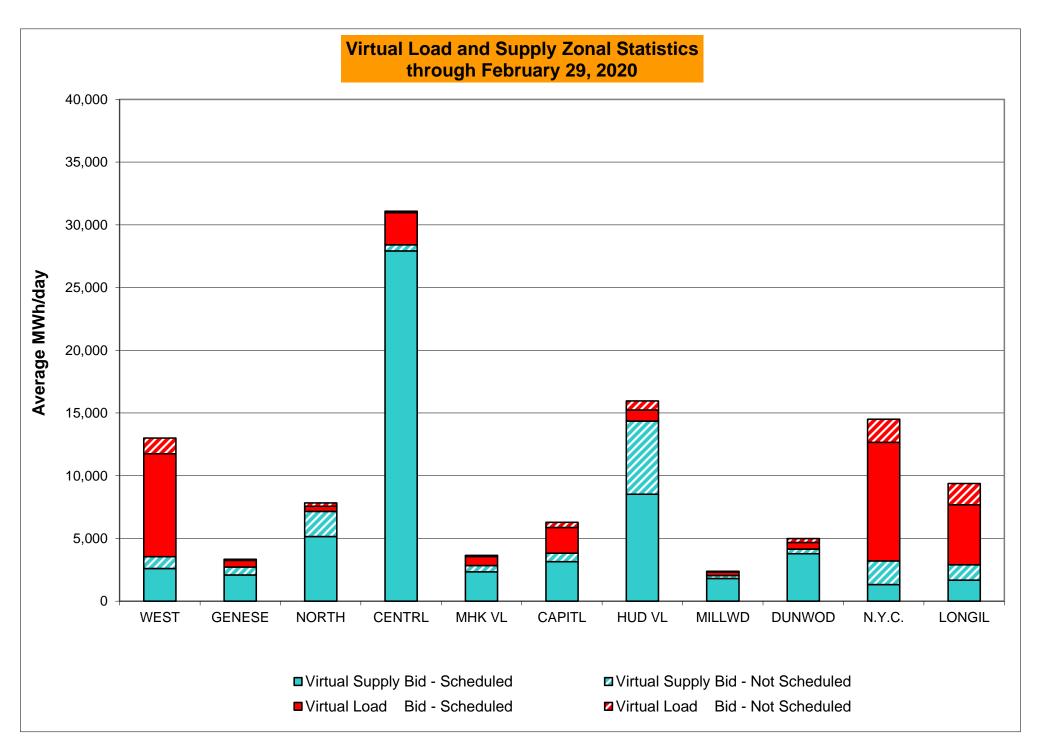
<u>2020</u>		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	<u>December</u>
Hour Corrections													
Number of hours with corrections	in the month	1	4										
Number of hours	in the month	744	696										
% of hours with corrections	in the month	0.13%	0.57%										
% of hours with corrections	year-to-date	0.13%	0.35%										
Interval Corrections													
Number of intervals corrected	in the month	1	32										
Number of intervals	in the month	9,088	8,460										
% of intervals corrected	in the month	0.01%	0.38%										
% of intervals corrected	year-to-date	0.01%	0.19%										
Hours Reserved	1												
Number of hours reserved	in the month	1	14										
Number of hours	in the month	744	696										
% of hours reserved	in the month	0.13%	2.01%										
% of hours reserved	year-to-date	0.13%	1.04%										
Days to Correction *	you. to unto	0070											j
Avg. number of days to correction	in the month	2.00	1.00										
Avg. number of days to correction	year-to-date	2.00	1.50										
Days Without Corrections	•												
Days without corrections	in the month	30	28										
Days without corrections	year-to-date	30	58										
0040		lamiram.	Fab	Manah	A	Mari	luma	la de	A 4	Cantanahan	Ostobou	NI	D
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>	November	<u>December</u>
Hour Corrections	in the month						<u></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% 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	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	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% 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%	0 720 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 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 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% 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	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	in the month in the month year-to-date  in the month in the month in the month year-to-date  in the month 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% 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%	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%	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	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%	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 Days to Correction *	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month 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%
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  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%	4 744 0.54% 0.18% 13 9,021 0.14% 0.04% 12 744 1.61% 1.30% 3.50
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 Days to Correction * Avg. number of days to correction Avg. number of days to correction Days Without Corrections 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% 3.00 3.00	1 672 0.15% 0.14% 3 8,131 0.04% 0.03% 10 672 1.49% 1.20% 2.50	0 743 0.00% 0.09% 0 9,008 0.00% 0.02% 8 743 1.08% 1.16% 0.00 2.50	0 720 0.00% 0.07% 0 8,750 0.00% 0.01% 3 720 0.42% 0.97% 0.00 2.50	3 744 0.40% 0.14% 5 9,033 0.06% 0.02% 9 744 1.21% 1.02% 3.50 3.00	2 720 0.28% 0.16% 7 8,863 0.08% 0.03% 12 720 1.67% 1.13% 3.50 3.17	0 744 0.00% 0.14% 0 9,243 0.00% 0.03% 14 744 1.88% 1.24% 0.00 3.17	0 744 0.00% 0.12% 0 9,048 0.00% 0.02% 12 744 1.61% 1.29% 0.00 3.17	3 720 0.42% 0.15% 9 8,820 0.10% 0.03% 7 720 0.97% 1.25% 2.50 3.00	1 744 0.13% 0.15% 3 9,087 0.03% 0.03% 19 744 2.55% 1.38% 2.00 2.89	1 721 0.14% 0.15% 1 8,788 0.01% 0.03% 1 721 0.14% 1.27% 3.00 2.90	4 744 0.54% 0.18% 13 9,021 0.14% 0.04% 12 744 1.61% 1.30% 3.50 3.00
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 % of hours reserved Days to Correction * Avg. 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 year-to-date	1 744 0.13% 0.13% 2 9,071 0.02% 0.02% 7 744 0.94% 0.94% 3.00 3.00	1 672 0.15% 0.14% 3 8,131 0.04% 0.03% 10 672 1.49% 1.20% 2.00 2.50	0 743 0.00% 0.09% 0 9,008 0.00% 0.02% 8 743 1.08% 1.16% 0.00 2.50	0 720 0.00% 0.07% 0 8,750 0.00% 0.01% 3 720 0.42% 0.97% 0.00 2.50	3 744 0.40% 0.14% 5 9,033 0.06% 0.02% 9 744 1.21% 1.02% 3.50 3.00	2 720 0.28% 0.16% 7 8,863 0.08% 0.03% 12 720 1.67% 1.13% 3.50 3.17	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% 0.00 3.17	3 720 0.42% 0.15% 9 8,820 0.10% 0.03% 7 720 0.97% 1.25% 2.50 3.00	1 744 0.13% 0.15% 3 9,087 0.03% 0.03% 19 744 2.55% 1.38% 2.00 2.89	1 721 0.14% 0.15% 1 8,788 0.01% 0.03% 1 721 0.14% 1.27% 3.00 2.90	4 744 0.54% 0.18% 13 9,021 0.14% 0.04% 12 744 1.61% 1.30% 3.50 3.00

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

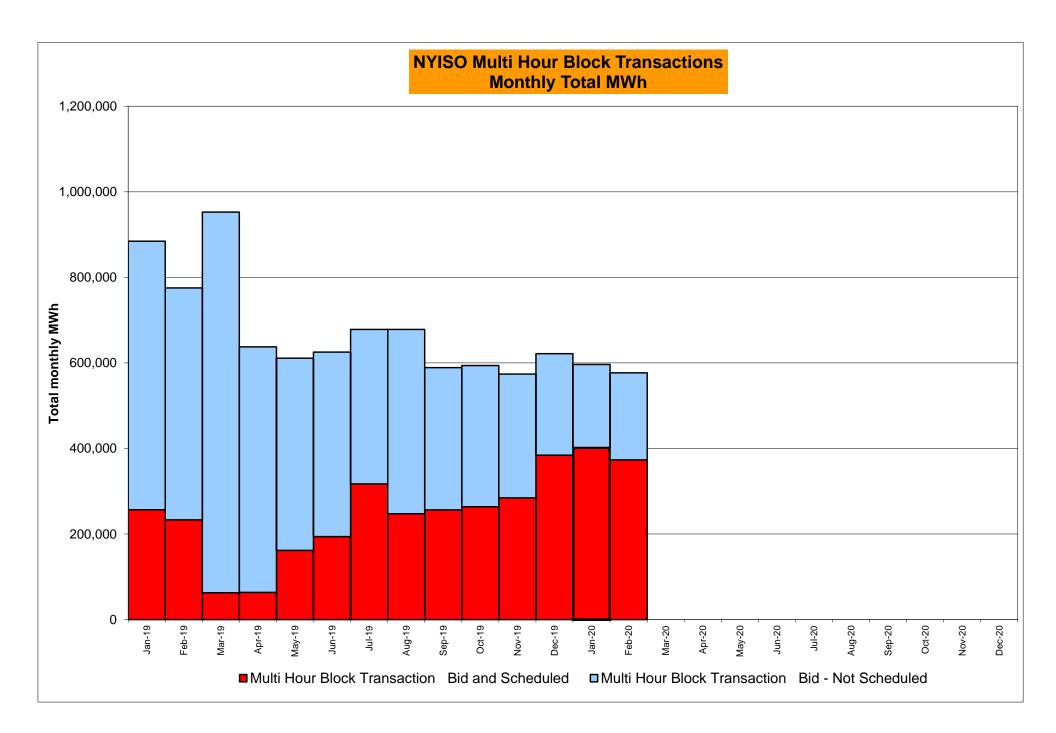


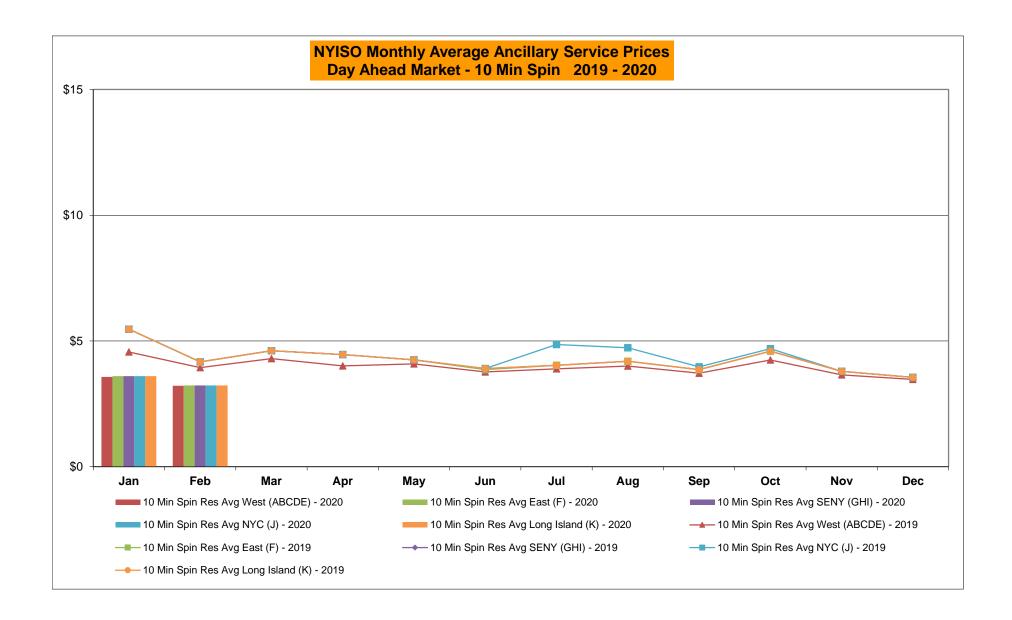


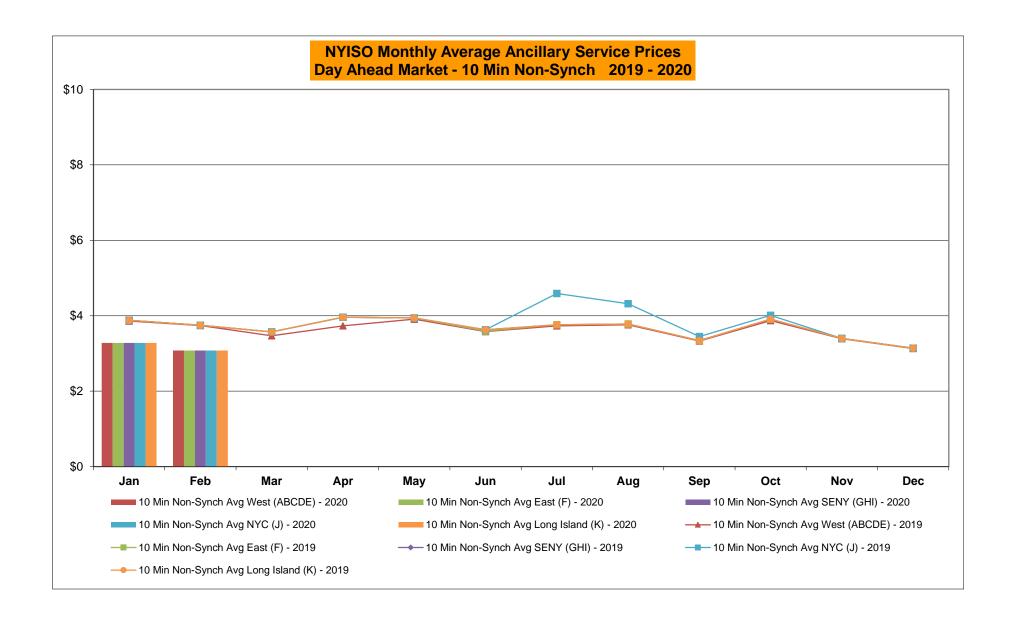


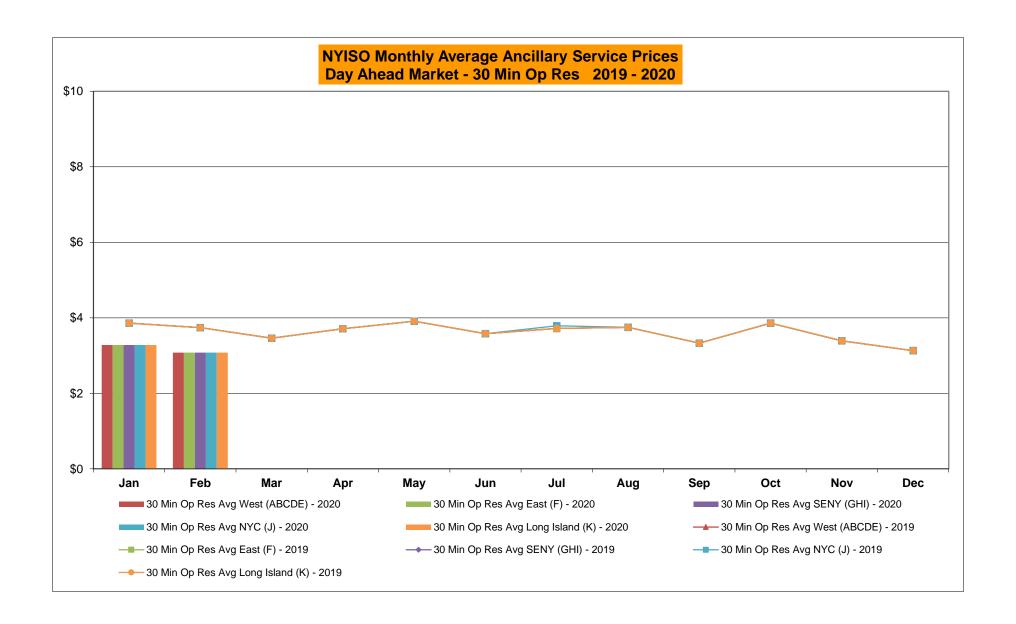


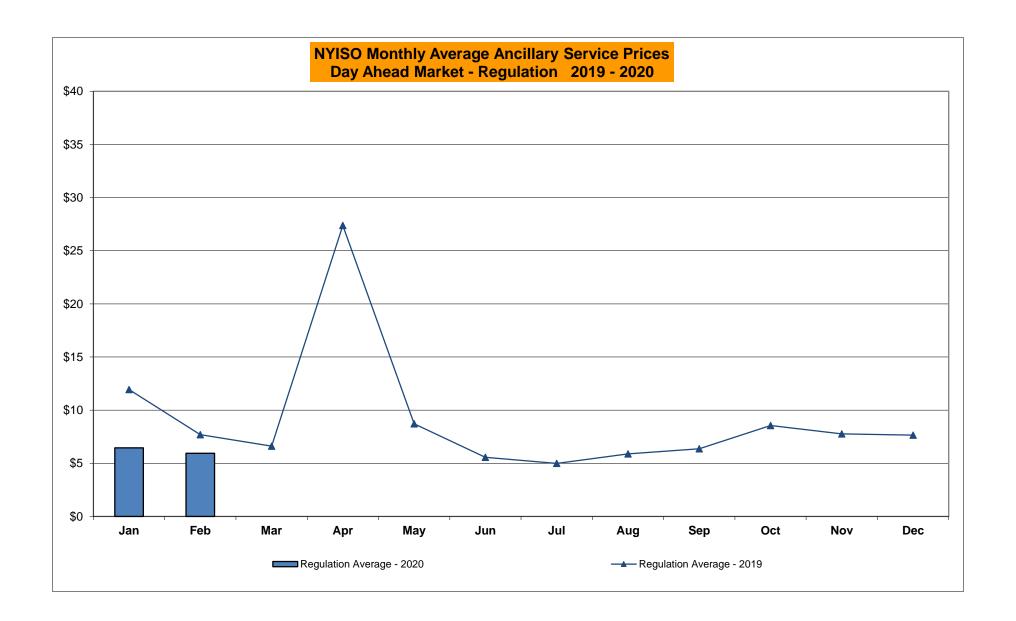
#### Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2020 **Virtual Supply Bid Virtual Load Bid Virtual Supply Bid Virtual Load Bid Virtual Supply Bid Virtual Load Bid** Not Not Not Not Not Not Date Scheduled Scheduled Scheduled Scheduled Zone Date Scheduled Scheduled Scheduled Scheduled Zone Date Scheduled Scheduled Scheduled Scheduled Zone DUNWOD WEST MHK VL Jan-20 7,809 1,328 984 Jan-20 Jan-20 3,191 1,765 747 77 2,155 793 1,120 241 370 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 Mar-20 Mar-20 Apr-20 Apr-20 Apr-20 May-20 May-20 May-20 Jun-20 Jun-20 Jun-20 Jul-20 Jul-20 Jul-20 Aug-20 Aug-20 Aug-20 Sep-20 Sep-20 Sep-20 Oct-20 Oct-20 Oct-20 Nov-20 Nov-20 Nov-20 Dec-20 Dec-20 Dec-20 GENESE Jan-20 553 131 1,749 995 CAPITL 1,772 539 1,235 N.Y.C. Jan-20 2,678 Jan-20 3,324 6,699 2,148 1,639 Feb-20 534 2,082 640 2.046 418 3,149 Feb-20 Feb-20 673 9.452 1,841 1,316 1,894 Mar-20 Mar-20 Mar-20 Apr-20 Apr-20 Apr-20 May-20 May-20 May-20 Jun-20 Jun-20 Jun-20 Jul-20 Jul-20 Jul-20 Aug-20 Aug-20 Aug-20 Sep-20 Sep-20 Sep-20 Oct-20 Oct-20 Oct-20 Nov-20 Nov-20 Nov-20 Dec-20 Dec-20 Dec-20 NORTH Jan-20 206 5,038 HUD VL 2,206 LONGIL Jan-20 2,824 811 1,765 Jan-20 891 1,274 7,573 5,640 2,246 1,109 Feb-20 402 276 5,144 2,014 Feb-20 886 722 8,517 5,838 Feb-20 4,795 1,683 1,678 1,217 Mar-20 Mar-20 Mar-20 Apr-20 Apr-20 Apr-20 May-20 May-20 May-20 Jun-20 Jun-20 Jun-20 Jul-20 Jul-20 Jul-20 Aug-20 Aug-20 Aug-20 Sep-20 Sep-20 Sep-20 Oct-20 Oct-20 Oct-20 Nov-20 Nov-20 Nov-20 Dec-20 Dec-20 Dec-20 CENTRL Jan-20 3,050 214 28,503 541 MILLWD Jan-20 270 68 1,646 213 NYISO Jan-20 29,361 9,580 59,340 11,849 Feb-20 2.567 118 27,919 487 Feb-20 281 68 1,811 229 Feb-20 30,434 6,838 60,334 14,811 Mar-20 Mar-20 Mar-20 Apr-20 Apr-20 Apr-20 May-20 May-20 May-20 Jun-20 Jun-20 Jun-20 Jul-20 Jul-20 Jul-20 Aug-20 Aug-20 Aug-20 Sep-20 Sep-20 Sep-20 Oct-20 Oct-20 Oct-20 Nov-20 Nov-20 Nov-20 Dec-20 Dec-20 Dec-20

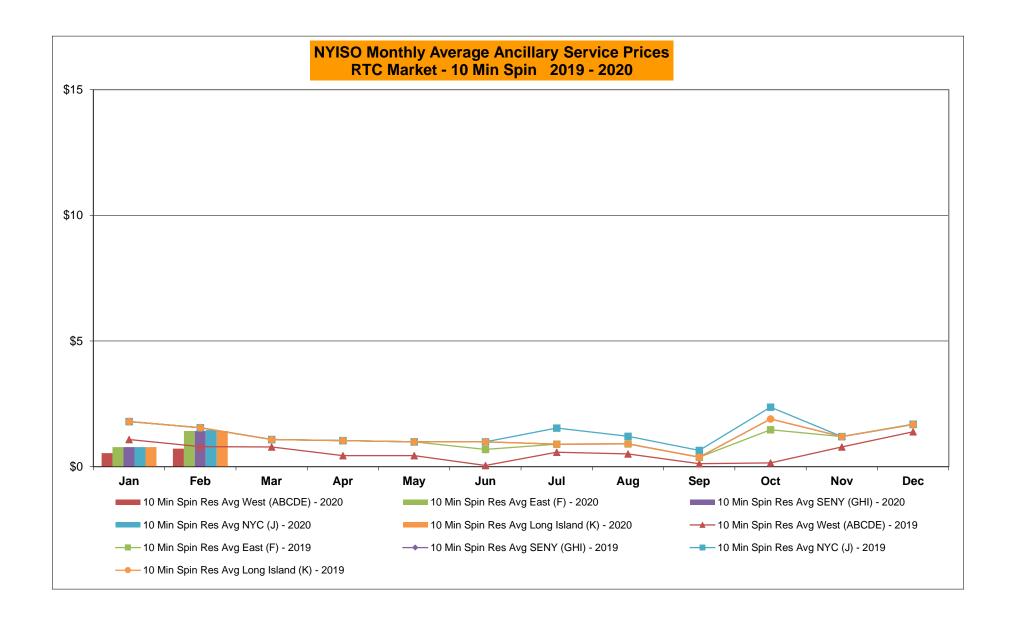


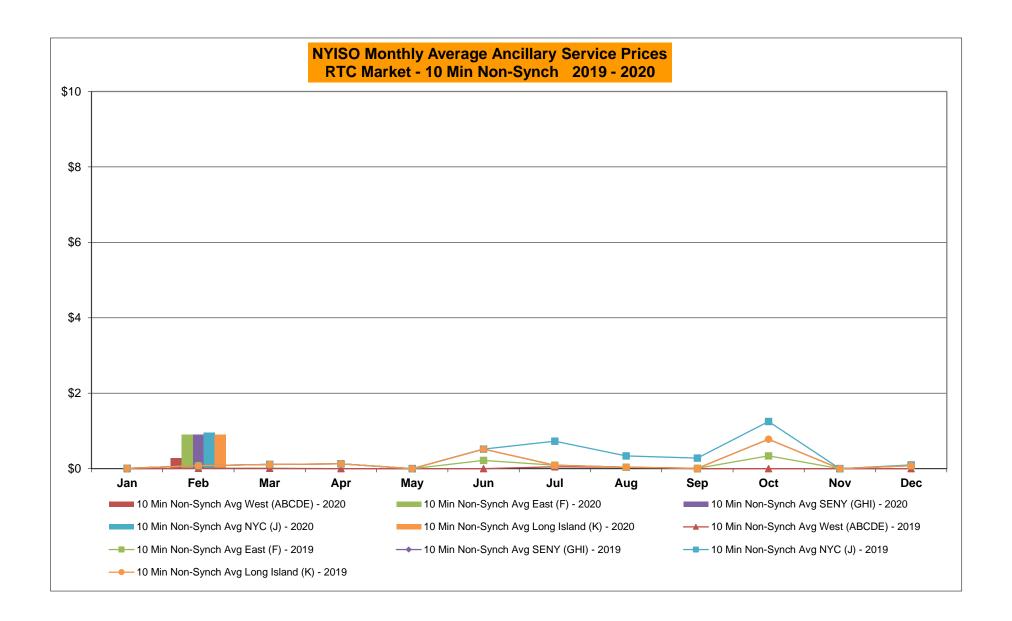


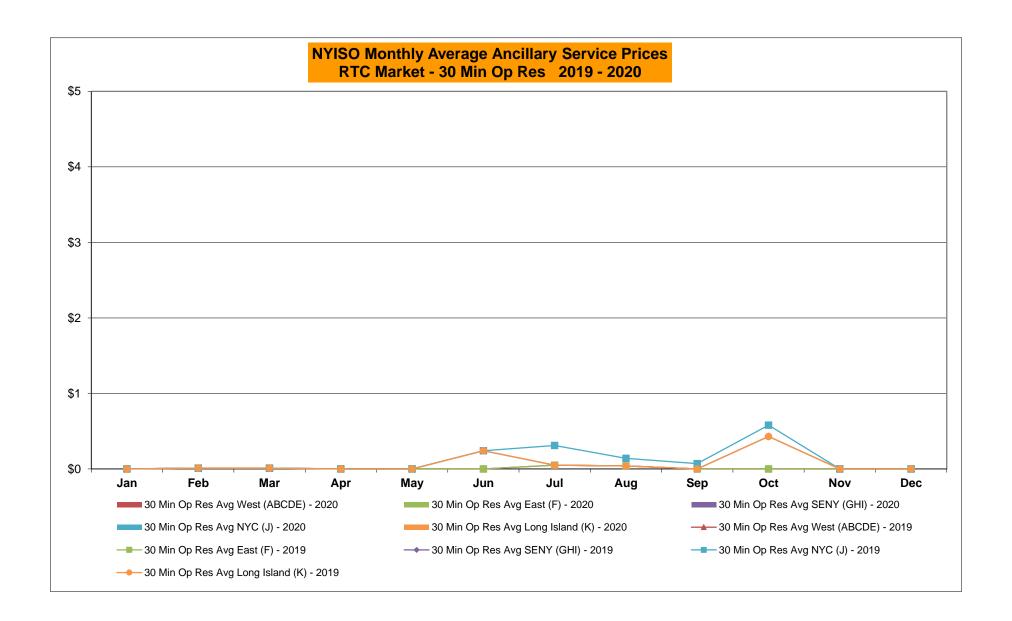


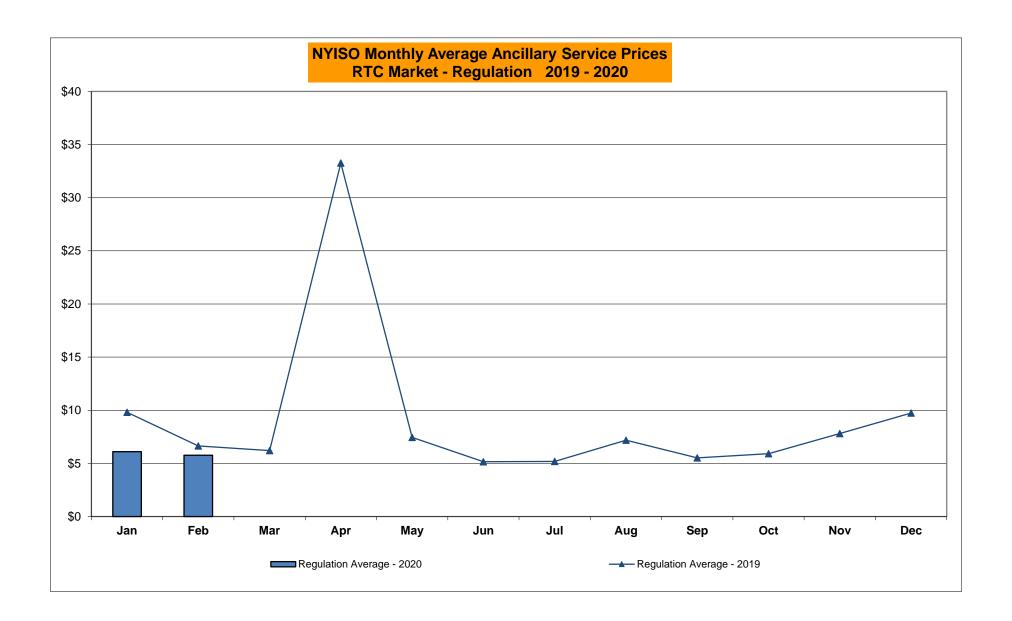


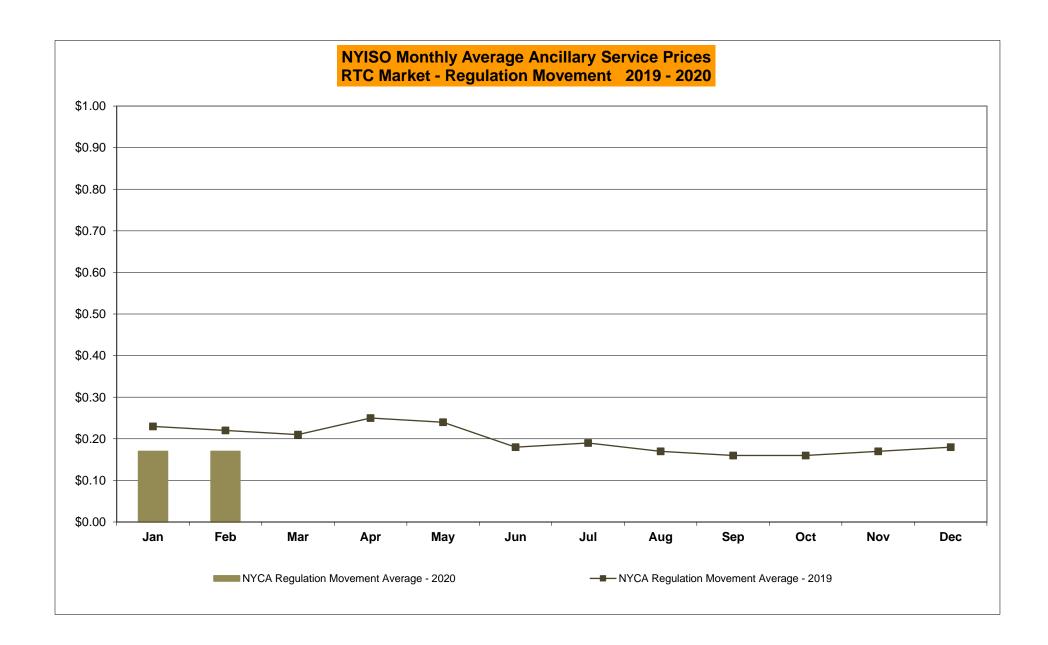


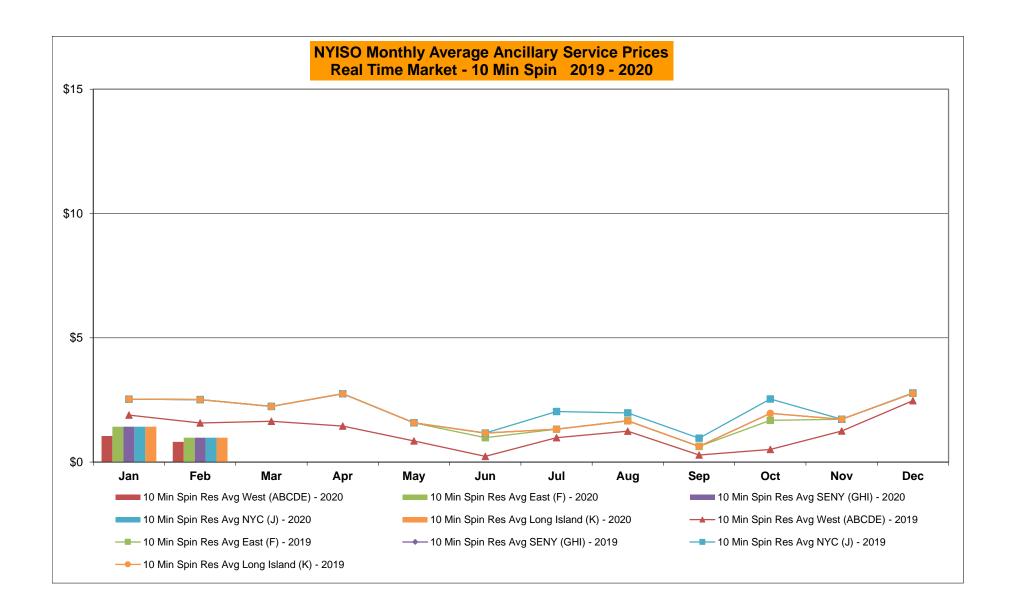


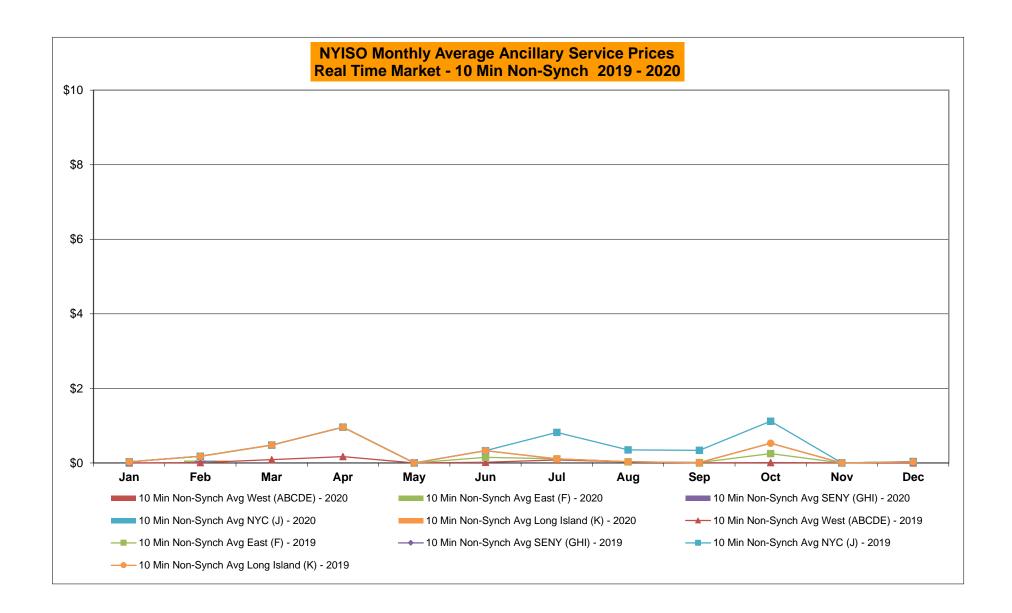


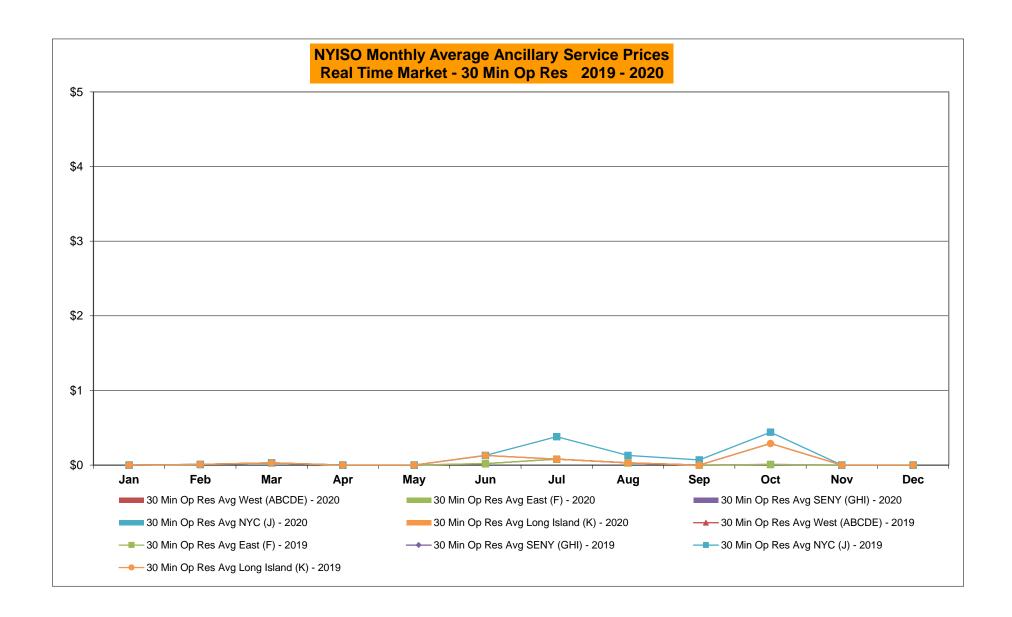


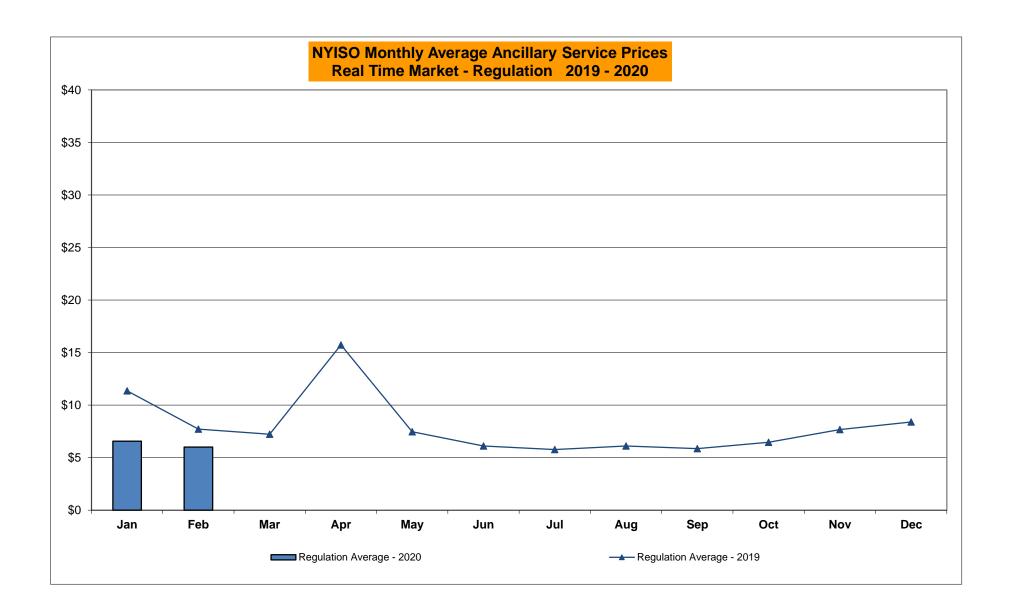


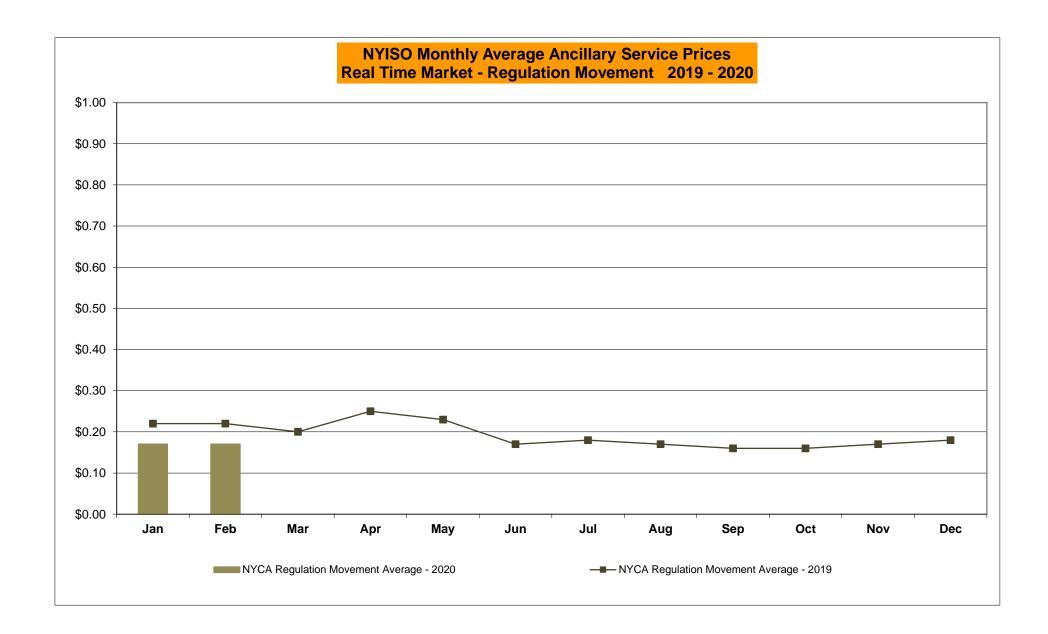












### NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - DAM

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>	September	<u>October</u>	November	<u>December</u>
Day Ahead Market												
10 Min Spin Long Island (K)	3.60	3.23										
10 Min Spin NYC (J)	3.60	3.23										
10 Min Spin SENY (GHI)	3.60	3.23										
10 Min Spin East (F)	3.60	3.23										
10 Min Spin West (ABCDE)	3.57	3.22										
10 Min Non Synch Long Island (K)	3.28	3.08										
10 Min Non Synch NYC (J)	3.28	3.08										
10 Min Non Synch SENY (GHI)	3.28	3.08										
10 Min Non Synch East (F)	3.28	3.08										
10 Min Non Synch West (ABCDE)	3.28	3.08										
30 Min Long Island (K)	3.28	3.08										
30 Min NYC (J)	3.28	3.08										
30 Min SENY (GHI)	3.28	3.08										
30 Min East (F)	3.28	3.08										
30 Min West (ABCDE)	3.28	3.08										
Regulation	6.46	5.94										
<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>
Day Ahead Market												
10 Min Spin Long Island (K)	5.47	5.47	4.61	4.46	4.25	3.90	4.03	4.19	3.86	4.59	3.79	3.55
10 Min Spin NYC (J)	5.47	5.47	4.61	4.46	4.25	3.90	4.86	4.73	3.97	4.69	3.79	3.55
10 Min Spin SENY (GHI)	5.47	4.17	4.61	4.46	4.25	3.90	4.03	4.19	3.86	4.59	3.79	3.55
10 Min Spin East (F)	5.47	4.17	4.61	4.46	4.25	3.86	4.03	4.19	3.86	4.59	3.79	3.55
10 Min Spin West (ABCDE)	4.56	3.94	4.30	4.01	4.09	3.77	3.89	4.00	3.72	4.24	3.65	3.47
10 Min Non Synch Long Island (K)	3.88	3.88	3.57	3.96	3.94	3.63	3.76	3.78	3.34	3.91	3.40	3.14
10 Min Non Synch NYC (J)	3.88	3.88	3.57	3.96	3.94	3.63	4.59	4.32	3.45	4.01	3.40	3.14
10 Min Non Synch SENY (GHI)	3.88	3.75	3.57	3.96	3.94	3.63	3.76	3.78	3.34	3.91	3.40	3.14
10 Min Non Synch East (F)	3.88	3.75	3.57	3.96	3.94	3.59	3.76	3.78	3.34	3.91	3.40	3.14
10 Min Non Synch West (ABCDE)	3.86	3.74	3.47	3.73	3.91	3.58	3.73	3.76	3.33	3.87	3.39	3.13
30 Min Long Island (K)	3.86	3.86	3.46	3.71	3.91	3.58	3.72	3.75	3.33	3.86	3.39	3.13
30 Min NYC (J)	3.86	3.86	3.46	3.71	3.91	3.58	3.79	3.75	3.33	3.86	3.39	3.13
30 Min SENY (GHI)	3.86	3.74	3.46	3.71	3.91	3.58	3.72	3.75	3.33	3.86	3.39	3.13
30 Min East (F)	3.86	3.74	3.46	3.71	3.91	3.58	3.72	3.75	3.33	3.86	3.39	3.13
30 Min West (ABCDE)	3.86	3.74	3.46	3.71	3.91	3.58	3.72	3.75	3.33	3.86	3.39	3.13
Regulation	11.94	7.69	6.62	27.38	8.71	5.57	4.99	5.89	6.36	8.55	7.77	7.65

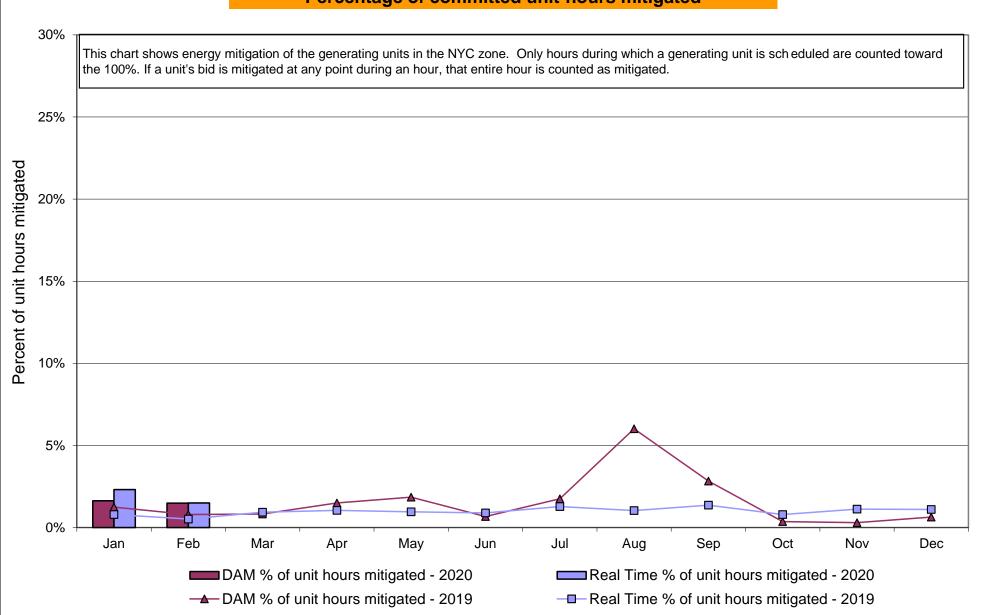
### NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RTC

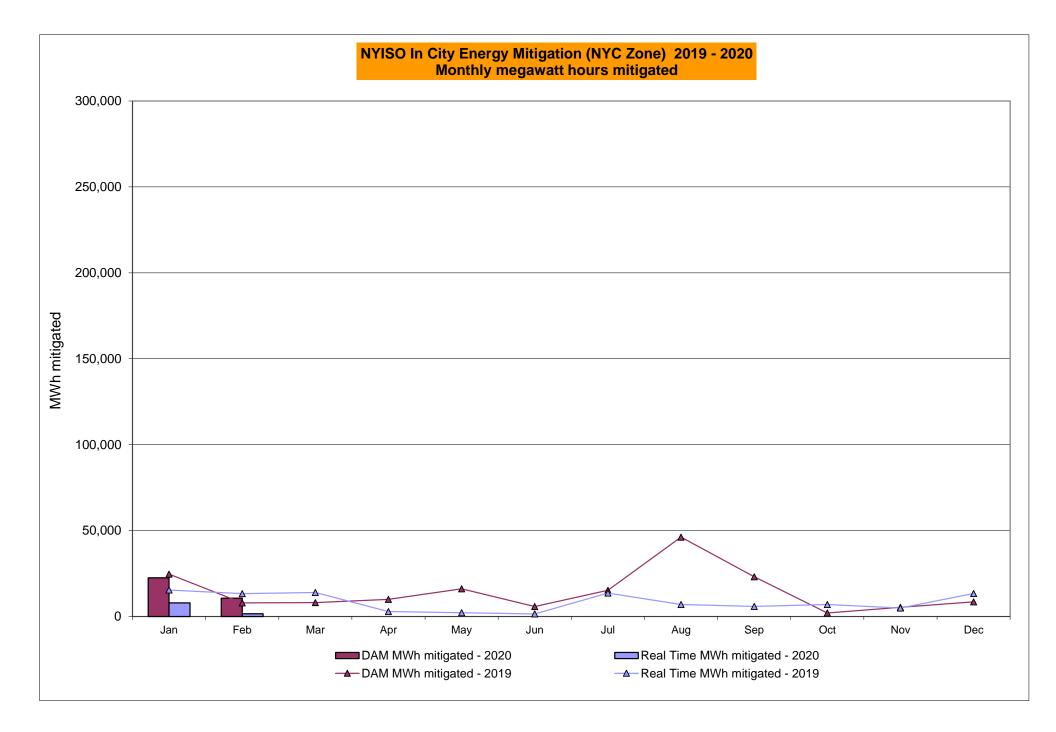
2020 RTC Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
10 Min Spin Long Island (K)	0.78	1.42										
10 Min Spin NYC (J)	0.78	1.46										
10 Min Spin SENY (GHI)	0.78	1.42										
10 Min Spin East (F)	0.78	1.42										
10 Min Spin West (ABCDE)	0.54	0.72										
10 Min Non Synch Long Island (K)	0.00	0.91										
10 Min Non Synch NYC (J)	0.00	0.95										
10 Min Non Synch SENY (GHI)	0.00	0.91										
10 Min Non Synch East (F)	0.00	0.91										
10 Min Non Synch West (ABCDE)	0.00	0.28										
30 Min Long Island (K)	0.00	0.01										
30 Min NYC (J)	0.00	0.01										
30 Min SENY (GHI)	0.00	0.01										
30 Min East (F)	0.00	0.01										
30 Min West (ABCDE)	0.00	0.01										
Regulation	6.11	5.77										
NYCA Regulation Movement	0.17	0.17										
g	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •										
<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>
RTC Market	- -			-				_	·			
RTC Market  10 Min Spin Long Island (K)	1.80	1.80	1.08	1.04	0.99	0.99	0.90	0.91	0.38	1.90	1.20	1.68
RTC Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J)	1.80 1.80	1.80 1.80	1.08 1.08	1.04 1.04	0.99 0.99	0.99 0.99	0.90 1.54	0.91 1.21	0.38 0.65	1.90 2.37	1.20 1.20	1.68 1.69
RTC Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI)	1.80 1.80 1.80	1.80 1.80 1.55	1.08 1.08 1.08	1.04 1.04 1.04	0.99 0.99 0.99	0.99 0.99 0.99	0.90 1.54 0.90	0.91 1.21 0.91	0.38 0.65 0.38	1.90 2.37 1.90	1.20 1.20 1.20	1.68 1.69 1.68
RTC Market  10 Min Spin Long Island (K) 10 Min Spin NYC (J) 10 Min Spin SENY (GHI) 10 Min Spin East (F)	1.80 1.80 1.80 1.80	1.80 1.80 1.55 1.55	1.08 1.08 1.08 1.08	1.04 1.04 1.04 1.04	0.99 0.99 0.99 0.99	0.99 0.99 0.99 0.69	0.90 1.54 0.90 0.90	0.91 1.21 0.91 0.91	0.38 0.65 0.38 0.38	1.90 2.37 1.90 1.47	1.20 1.20 1.20 1.20	1.68 1.69 1.68 1.68
RTC 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)	1.80 1.80 1.80 1.80 1.08	1.80 1.80 1.55 1.55 0.80	1.08 1.08 1.08 1.08 0.79	1.04 1.04 1.04 1.04 0.44	0.99 0.99 0.99 0.99 0.44	0.99 0.99 0.99 0.69 0.05	0.90 1.54 0.90 0.90 0.58	0.91 1.21 0.91 0.91 0.51	0.38 0.65 0.38 0.38 0.12	1.90 2.37 1.90 1.47 0.15	1.20 1.20 1.20 1.20 0.79	1.68 1.69 1.68 1.68 1.39
RTC 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)	1.80 1.80 1.80 1.80 1.08 0.01	1.80 1.80 1.55 1.55 0.80 0.01	1.08 1.08 1.08 1.08 0.79 0.11	1.04 1.04 1.04 1.04 0.44 0.13	0.99 0.99 0.99 0.99 0.44 0.00	0.99 0.99 0.99 0.69 0.05 0.52	0.90 1.54 0.90 0.90 0.58 0.09	0.91 1.21 0.91 0.91 0.51 0.04	0.38 0.65 0.38 0.38 0.12 0.01	1.90 2.37 1.90 1.47 0.15 0.78	1.20 1.20 1.20 1.20 0.79 0.00	1.68 1.69 1.68 1.68 1.39 0.08
RTC 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)	1.80 1.80 1.80 1.80 1.08 0.01	1.80 1.80 1.55 1.55 0.80 0.01	1.08 1.08 1.08 1.08 0.79 0.11	1.04 1.04 1.04 1.04 0.44 0.13	0.99 0.99 0.99 0.99 0.44 0.00	0.99 0.99 0.99 0.69 0.05 0.52	0.90 1.54 0.90 0.90 0.58 0.09 0.73	0.91 1.21 0.91 0.91 0.51 0.04 0.34	0.38 0.65 0.38 0.38 0.12 0.01	1.90 2.37 1.90 1.47 0.15 0.78 1.25	1.20 1.20 1.20 1.20 0.79 0.00 0.00	1.68 1.69 1.68 1.68 1.39 0.08 0.10
RTC 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)	1.80 1.80 1.80 1.80 1.08 0.01 0.01	1.80 1.80 1.55 1.55 0.80 0.01 0.01	1.08 1.08 1.08 1.08 0.79 0.11 0.11	1.04 1.04 1.04 1.04 0.44 0.13 0.13	0.99 0.99 0.99 0.99 0.44 0.00 0.00	0.99 0.99 0.99 0.69 0.05 0.52 0.52	0.90 1.54 0.90 0.90 0.58 0.09 0.73 0.09	0.91 1.21 0.91 0.91 0.51 0.04 0.34 0.04	0.38 0.65 0.38 0.38 0.12 0.01 0.28	1.90 2.37 1.90 1.47 0.15 0.78 1.25 0.78	1.20 1.20 1.20 1.20 0.79 0.00 0.00	1.68 1.69 1.68 1.68 1.39 0.08 0.10
RTC 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)	1.80 1.80 1.80 1.80 1.08 0.01 0.01 0.01	1.80 1.80 1.55 1.55 0.80 0.01 0.01 0.08 0.08	1.08 1.08 1.08 1.08 0.79 0.11 0.11	1.04 1.04 1.04 1.04 0.44 0.13 0.13 0.13	0.99 0.99 0.99 0.44 0.00 0.00 0.00	0.99 0.99 0.69 0.05 0.52 0.52 0.52 0.22	0.90 1.54 0.90 0.90 0.58 0.09 0.73 0.09 0.09	0.91 1.21 0.91 0.91 0.51 0.04 0.34 0.04 0.04	0.38 0.65 0.38 0.38 0.12 0.01 0.28 0.01	1.90 2.37 1.90 1.47 0.15 0.78 1.25 0.78 0.34	1.20 1.20 1.20 1.20 0.79 0.00 0.00 0.00	1.68 1.69 1.68 1.68 1.39 0.08 0.10 0.08
RTC 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)	1.80 1.80 1.80 1.80 1.08 0.01 0.01 0.01	1.80 1.80 1.55 1.55 0.80 0.01 0.01 0.08 0.08 0.01	1.08 1.08 1.08 1.08 0.79 0.11 0.11 0.11 0.11	1.04 1.04 1.04 1.04 0.44 0.13 0.13 0.13 0.13	0.99 0.99 0.99 0.99 0.44 0.00 0.00 0.00	0.99 0.99 0.69 0.05 0.52 0.52 0.52 0.22 0.00	0.90 1.54 0.90 0.90 0.58 0.09 0.73 0.09 0.09	0.91 1.21 0.91 0.91 0.51 0.04 0.34 0.04 0.04 0.04	0.38 0.65 0.38 0.38 0.12 0.01 0.28 0.01 0.01	1.90 2.37 1.90 1.47 0.15 0.78 1.25 0.78 0.34 0.00	1.20 1.20 1.20 1.20 0.79 0.00 0.00 0.00 0.00	1.68 1.69 1.68 1.68 1.39 0.08 0.10 0.08 0.08
RTC 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)	1.80 1.80 1.80 1.80 1.08 0.01 0.01 0.01	1.80 1.80 1.55 1.55 0.80 0.01 0.01 0.08 0.08 0.01 0.00	1.08 1.08 1.08 1.08 0.79 0.11 0.11 0.11 0.01	1.04 1.04 1.04 1.04 0.44 0.13 0.13 0.13 0.13 0.00	0.99 0.99 0.99 0.44 0.00 0.00 0.00 0.00	0.99 0.99 0.99 0.69 0.05 0.52 0.52 0.52 0.22 0.00 0.24	0.90 1.54 0.90 0.90 0.58 0.09 0.73 0.09 0.09 0.05	0.91 1.21 0.91 0.91 0.51 0.04 0.34 0.04 0.04 0.04 0.04	0.38 0.65 0.38 0.38 0.12 0.01 0.28 0.01 0.01 0.00 0.00	1.90 2.37 1.90 1.47 0.15 0.78 1.25 0.78 0.34 0.00 0.43	1.20 1.20 1.20 1.20 0.79 0.00 0.00 0.00 0.00	1.68 1.69 1.68 1.68 1.39 0.08 0.10 0.08 0.00 0.00
RTC 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)	1.80 1.80 1.80 1.80 1.08 0.01 0.01 0.01	1.80 1.80 1.55 1.55 0.80 0.01 0.01 0.08 0.08 0.01 0.00 0.00	1.08 1.08 1.08 1.08 0.79 0.11 0.11 0.11 0.01 0.01	1.04 1.04 1.04 1.04 0.44 0.13 0.13 0.13 0.00 0.00	0.99 0.99 0.99 0.44 0.00 0.00 0.00 0.00	0.99 0.99 0.99 0.69 0.05 0.52 0.52 0.52 0.22 0.00 0.24	0.90 1.54 0.90 0.90 0.58 0.09 0.73 0.09 0.09 0.05 0.05	0.91 1.21 0.91 0.91 0.51 0.04 0.34 0.04 0.04 0.04 0.04 0.04	0.38 0.65 0.38 0.38 0.12 0.01 0.28 0.01 0.01 0.00 0.00 0.00	1.90 2.37 1.90 1.47 0.15 0.78 1.25 0.78 0.34 0.00 0.43 0.58	1.20 1.20 1.20 1.20 0.79 0.00 0.00 0.00 0.00 0.00	1.68 1.69 1.68 1.68 1.39 0.08 0.10 0.08 0.00 0.00
RTC 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 Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI)	1.80 1.80 1.80 1.80 1.08 0.01 0.01 0.01	1.80 1.80 1.55 1.55 0.80 0.01 0.01 0.08 0.08 0.01 0.00 0.00	1.08 1.08 1.08 1.08 0.79 0.11 0.11 0.11 0.01 0.01 0.01	1.04 1.04 1.04 1.04 0.44 0.13 0.13 0.13 0.00 0.00 0.00	0.99 0.99 0.99 0.44 0.00 0.00 0.00 0.00	0.99 0.99 0.99 0.69 0.52 0.52 0.52 0.22 0.00 0.24 0.24	0.90 1.54 0.90 0.90 0.58 0.09 0.73 0.09 0.09 0.05 0.05	0.91 1.21 0.91 0.91 0.51 0.04 0.34 0.04 0.04 0.04 0.04 0.14 0.04	0.38 0.65 0.38 0.38 0.12 0.01 0.28 0.01 0.01 0.00 0.00	1.90 2.37 1.90 1.47 0.15 0.78 1.25 0.78 0.34 0.00 0.43 0.58 0.43	1.20 1.20 1.20 1.20 0.79 0.00 0.00 0.00 0.00 0.00 0.00	1.68 1.69 1.68 1.68 1.39 0.08 0.10 0.08 0.00 0.00 0.00
RTC 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 Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F)	1.80 1.80 1.80 1.80 1.08 0.01 0.01 0.01	1.80 1.80 1.55 1.55 0.80 0.01 0.01 0.08 0.08 0.01 0.00 0.00	1.08 1.08 1.08 1.08 0.79 0.11 0.11 0.11 0.01 0.01 0.01 0.01	1.04 1.04 1.04 1.04 0.44 0.13 0.13 0.13 0.13 0.00 0.00 0.00	0.99 0.99 0.99 0.44 0.00 0.00 0.00 0.00	0.99 0.99 0.99 0.69 0.52 0.52 0.52 0.22 0.00 0.24 0.24 0.24	0.90 1.54 0.90 0.90 0.58 0.09 0.73 0.09 0.09 0.05 0.05 0.31 0.05	0.91 1.21 0.91 0.91 0.51 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	0.38 0.65 0.38 0.38 0.12 0.01 0.28 0.01 0.01 0.00 0.00 0.00 0.00	1.90 2.37 1.90 1.47 0.15 0.78 1.25 0.78 0.34 0.00 0.43 0.58 0.43 0.00	1.20 1.20 1.20 1.20 0.79 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.68 1.69 1.68 1.68 1.39 0.08 0.10 0.08 0.00 0.00 0.00 0.00
RTC 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 Non Synch West (ABCDE) 30 Min SENY (GHI) 30 Min SENY (GHI) 30 Min SENY (GHI)	1.80 1.80 1.80 1.80 1.08 0.01 0.01 0.01	1.80 1.80 1.55 1.55 0.80 0.01 0.01 0.08 0.08 0.01 0.00 0.00	1.08 1.08 1.08 1.08 0.79 0.11 0.11 0.11 0.01 0.01 0.01 0.01	1.04 1.04 1.04 1.04 0.44 0.13 0.13 0.13 0.13 0.00 0.00 0.00 0.00	0.99 0.99 0.99 0.44 0.00 0.00 0.00 0.00	0.99 0.99 0.69 0.05 0.52 0.52 0.52 0.22 0.00 0.24 0.24 0.24 0.00 0.00	0.90 1.54 0.90 0.90 0.58 0.09 0.73 0.09 0.05 0.05 0.05 0.05	0.91 1.21 0.91 0.91 0.51 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	0.38 0.65 0.38 0.38 0.12 0.01 0.28 0.01 0.01 0.00 0.00 0.00 0.00 0.00	1.90 2.37 1.90 1.47 0.15 0.78 1.25 0.78 0.34 0.00 0.43 0.58 0.43 0.00 0.00	1.20 1.20 1.20 1.20 0.79 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.68 1.69 1.68 1.68 1.39 0.08 0.10 0.08 0.00 0.00 0.00 0.00 0.00
RTC 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 Non Synch West (ABCDE) 30 Min Long Island (K) 30 Min NYC (J) 30 Min SENY (GHI) 30 Min East (F)	1.80 1.80 1.80 1.80 1.08 0.01 0.01 0.01	1.80 1.80 1.55 1.55 0.80 0.01 0.01 0.08 0.08 0.01 0.00 0.00	1.08 1.08 1.08 1.08 0.79 0.11 0.11 0.11 0.01 0.01 0.01 0.01	1.04 1.04 1.04 1.04 0.44 0.13 0.13 0.13 0.13 0.00 0.00 0.00	0.99 0.99 0.99 0.44 0.00 0.00 0.00 0.00	0.99 0.99 0.99 0.69 0.52 0.52 0.52 0.22 0.00 0.24 0.24 0.24	0.90 1.54 0.90 0.90 0.58 0.09 0.73 0.09 0.09 0.05 0.05 0.31 0.05	0.91 1.21 0.91 0.91 0.51 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.0	0.38 0.65 0.38 0.38 0.12 0.01 0.28 0.01 0.01 0.00 0.00 0.00 0.00	1.90 2.37 1.90 1.47 0.15 0.78 1.25 0.78 0.34 0.00 0.43 0.58 0.43 0.00	1.20 1.20 1.20 1.20 0.79 0.00 0.00 0.00 0.00 0.00 0.00 0.0	1.68 1.69 1.68 1.68 1.39 0.08 0.10 0.08 0.00 0.00 0.00 0.00

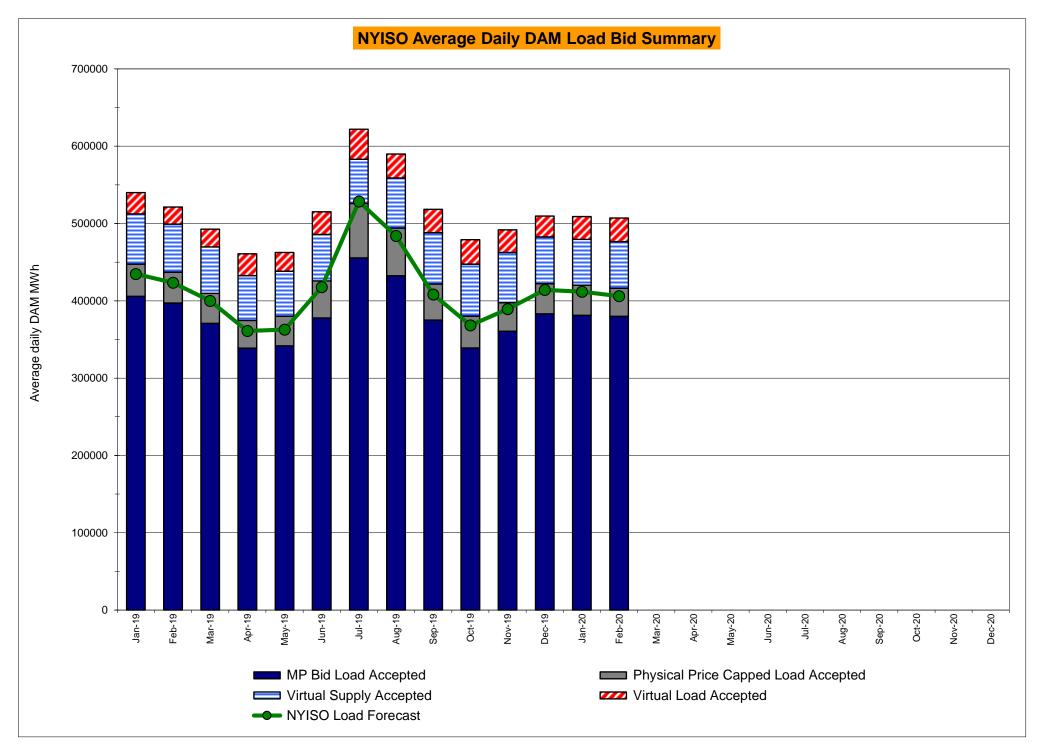
## NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RT

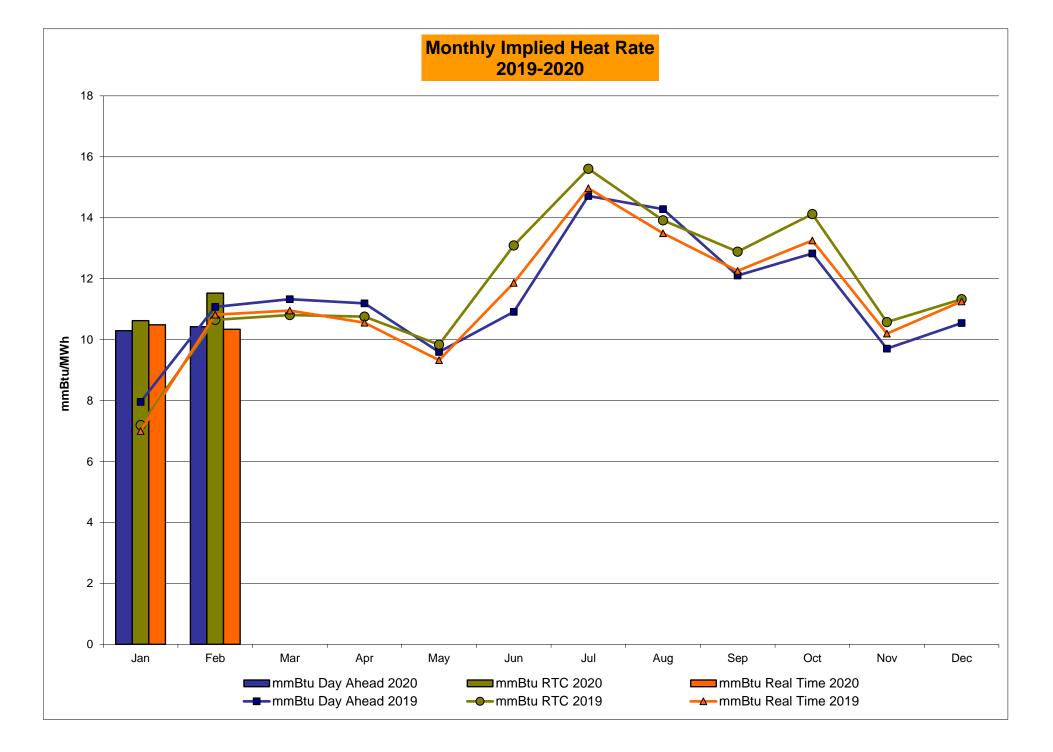
2020 Real Time Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	October	November	December
10 Min Spin Long Island (K)	1.42	0.98										
10 Min Spin NYC (J)	1.42	0.98										
10 Min Spin SENY (GHI)	1.42	0.98										
10 Min Spin East (F)	1.42	0.98										
10 Min Spin West (ABCDE)	1.05	0.81										
10 Min Non Synch Long Island (K)	0.00	0.06										
10 Min Non Synch NYC (J)	0.00	0.06										
10 Min Non Synch SENY (GHI)	0.00	0.06										
10 Min Non Synch East (F)	0.00	0.06										
10 Min Non Synch West (ABCDE)	0.00	0.00										
30 Min Long Island (K)	0.00	0.00										
30 Min NYC (J)	0.00	0.00										
30 Min SENY (GHI)	0.00	0.00										
30 Min East (F)	0.00	0.00										
30 Min West (ABCDE)	0.00	0.00										
Regulation	6.57	6.00										
NYCA Regulation Movement	0.17	0.17										
3												
<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>
Real Time Market	•							_	·			
Real Time Market  10 Min Spin Long Island (K)	2.53	2.53	2.24	2.75	1.58	1.17	1.32	1.66	0.63	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	1.17 1.17	1.32 2.03	1.66 1.98	0.63 0.96	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	1.17 1.17 1.17	1.32 2.03 1.32	1.66 1.98 1.66	0.63 0.96 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	1.17 1.17 1.17 0.98	1.32 2.03 1.32 1.32	1.66 1.98 1.66 1.66	0.63 0.96 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	1.17 1.17 1.17 0.98 0.23	1.32 2.03 1.32 1.32 0.98	1.66 1.98 1.66 1.66 1.24	0.63 0.96 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	1.17 1.17 1.17 0.98 0.23 0.33	1.32 2.03 1.32 1.32 0.98 0.11	1.66 1.98 1.66 1.66 1.24 0.03	0.63 0.96 0.63 0.63 0.28 0.01	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	1.17 1.17 1.17 0.98 0.23 0.33 0.33	1.32 2.03 1.32 1.32 0.98 0.11 0.82	1.66 1.98 1.66 1.66 1.24 0.03 0.35	0.63 0.96 0.63 0.63 0.28 0.01	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	1.17 1.17 1.17 0.98 0.23 0.33 0.33	1.32 2.03 1.32 1.32 0.98 0.11 0.82 0.11	1.66 1.98 1.66 1.66 1.24 0.03 0.35 0.03	0.63 0.96 0.63 0.63 0.28 0.01 0.34	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 2.51 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	1.17 1.17 1.17 0.98 0.23 0.33 0.33 0.33	1.32 2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11	1.66 1.98 1.66 1.66 1.24 0.03 0.35 0.03	0.63 0.96 0.63 0.63 0.28 0.01 0.34 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 2.51 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	1.17 1.17 1.17 0.98 0.23 0.33 0.33 0.33 0.15	1.32 2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11 0.08	1.66 1.98 1.66 1.66 1.24 0.03 0.35 0.03 0.03	0.63 0.96 0.63 0.63 0.28 0.01 0.34 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 0.03
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)  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	1.17 1.17 1.17 0.98 0.23 0.33 0.33 0.33 0.15 0.02 0.13	1.32 2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11 0.08 0.08	1.66 1.98 1.66 1.66 1.24 0.03 0.35 0.03 0.03 0.03	0.63 0.96 0.63 0.63 0.28 0.01 0.34 0.01 0.01 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	1.17 1.17 1.17 0.98 0.23 0.33 0.33 0.33 0.15 0.02 0.13	1.32 2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11 0.08 0.08 0.38	1.66 1.98 1.66 1.66 1.24 0.03 0.35 0.03 0.03 0.03 0.03	0.63 0.96 0.63 0.63 0.28 0.01 0.34 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 Long Island (K)  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	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	1.17 1.17 1.17 0.98 0.23 0.33 0.33 0.33 0.15 0.02 0.13 0.13	1.32 2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11 0.08 0.08 0.38 0.08	1.66 1.98 1.66 1.66 1.24 0.03 0.35 0.03 0.03 0.03 0.13 0.03	0.63 0.96 0.63 0.63 0.28 0.01 0.34 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 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 Non Synch West (ABCDE)  30 Min Long Island (K)  30 Min NYC (J)  30 Min SENY (GHI)  30 Min East (F)	2.53 2.53 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 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 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	1.17 1.17 1.17 0.98 0.23 0.33 0.33 0.33 0.15 0.02 0.13 0.13 0.13	1.32 2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11 0.08 0.08 0.38 0.08	1.66 1.98 1.66 1.66 1.24 0.03 0.35 0.03 0.03 0.03 0.03 0.03 0.03	0.63 0.96 0.63 0.63 0.28 0.01 0.34 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 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
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 Non Synch West (ABCDE)  30 Min Long Island (K)  30 Min NYC (J)  30 Min SENY (GHI)  30 Min East (F)  30 Min West (ABCDE)	2.53 2.53 2.53 2.53 1.89 0.03 0.03 0.03 0.03 0.00 0.00 0.00 0.0	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 0.03	2.75 2.75 2.75 2.75 1.45 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	1.17 1.17 1.17 0.98 0.23 0.33 0.33 0.15 0.02 0.13 0.13 0.13 0.13 0.02	1.32 2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.01 0.08 0.08 0.08 0.08	1.66 1.98 1.66 1.66 1.24 0.03 0.35 0.03 0.03 0.03 0.03 0.03 0.03	0.63 0.96 0.63 0.63 0.28 0.01 0.34 0.01 0.01 0.00 0.00 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 0.01 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 0	2.77 2.78 2.77 2.77 2.47 0.03 0.04 0.03 0.00 0.00 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 Non Synch West (ABCDE)  30 Min Long Island (K)  30 Min NYC (J)  30 Min SENY (GHI)  30 Min East (F)	2.53 2.53 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 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 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	1.17 1.17 1.17 0.98 0.23 0.33 0.33 0.33 0.15 0.02 0.13 0.13 0.13	1.32 2.03 1.32 1.32 0.98 0.11 0.82 0.11 0.11 0.08 0.08 0.38 0.08	1.66 1.98 1.66 1.66 1.24 0.03 0.35 0.03 0.03 0.03 0.03 0.03 0.03	0.63 0.96 0.63 0.63 0.28 0.01 0.34 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 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

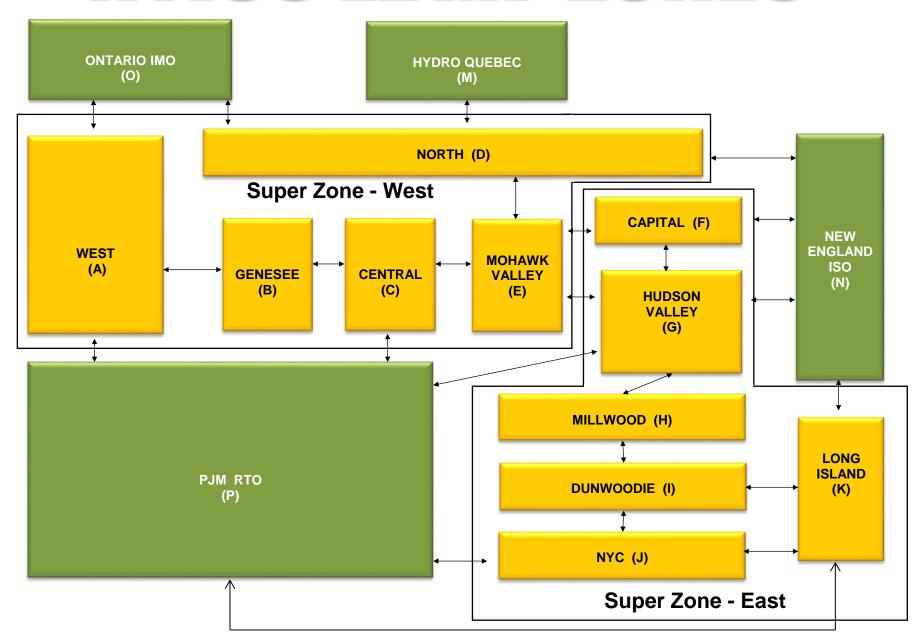








## NYISO LBMP ZONES



#### **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: 3/10/2020 12:10 PM

# 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







## 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)	Docket Number	Order Date	Order Summary
04/13/2016	NYISO compliance filing re: revisions to the buyer-side market mitigation rules	ER16-1404-000	02/20/2020	Order accepted in part, subject to condition, and denied in part the compliance filing subject to a further compliance filing to be filed within 30 days
02/14/2020	NYISO request for extension of effective date re: Energy Storage Resource tariff revisions	ER19-467-000	03/05/2020	Notice granted request for extension of effective date to no later than 09/30/2020
02/17/2017 03/13/2017	NYISO compliance filing re: exempt new Special Case Resources from the buyer-side market power mitigation rules  NYISO request for clarification of 02/03/2017 order re: statement concerning mitigation redeterminations and implications on the retesting provisions of the buyer-side market power mitigation rules	ER17-996-000 EL16-92-001	02/20/2020	Order dismissed as moot NYISO's 02/17/2017 compliance filing and initiated a paper hearing to gather information on the retail level demand side response programs listed in the complaint
05/22/2019	NYISO compliance filing re: Directives in Order 845 and Order 845-A to revise its Large Facility Interconnection Procedures and Large Generator Interconnection	ER19-1949-000	02/20/2020	Order accepted compliance filing effective 04/20/20, as requested and directed a further compliance filing to be filed within 60 days of the date of the order
07/29/2019	NYSPSC and NYSERDA filing re: complaint v. NYISO concerning application of the buyer-side market power mitigation rules to electric storage resources	EL19-86-000	02/20/2020	Order denied the complaint
12/20/2019 02/07/2020	NYISO 205 filing re: enhancements to the existing Competitive Entry Exemption	ER20-663-000 ER20-663-001	03/11/2020	Order accepted revisions effective 04/08/2020, as requested
01/23/2020	NYISO 205 re: PPTPP Development Agreement (SA 2510) between NYISO, Niagara Mohawk Power Corporation and New York Transco, LLC	ER20-865-000	03/10/2020	Order accepted Development Agreement effective 01/10/2020, as requested
03/11/2020	NYISO request for extension of time re: compliance filing addressing the self-supply exemption under its buyer-side capacity market power mitigation rules	ER16-1404-000	03/17/2020	Notice granted extension of compliance deadline until 09/21/2020, as requested



**Recently Submitted Filings** 

Filing	Filing Summary	Docket
Date		Number
02/21/2020	NYISO 205 filing re: revisions to the ICAP demand curve annual update procedures	ER20-1049-000
02/24/2020	NYISO compliance filing re: distributed energy resources per 01/23/2020 Order	ER19-2276-003
02/24/2020	NYISO informational filing re: 2019-2020 New Capacity Zone Study Report	ER20-1063-000
02/27/2020	NYISO and NYSEG Joint 205 filing re: Large Generator Interconnection Agreement (SA 2487) between NYISO, NYSEG and Baron Winds, LLC	ER20-1100-000
02/27/2020	NYISO 205 filing re: change the RMR deactivation process to the short term reliability planning process	ER20-1105-000
03/04/2020	NYISO 205 filing re: Public Policy Transmission Planning Process Development Agreement – Segment A (SA 2514) among the NYISO, LS Power Grid New York Corporation I and the New York Power Authority	ER20-1156-000
03/11/2020	NYISO request for extension of time re: compliance filing addressing the self-supply exemption under its buyer-side capacity market power mitigation rules	ER16-1404-000
03/11/2020	bompliance with its tariff accepiated with the examption of new Special Case Resources from 02/2017 02/20/2020	EL16-92-002 ER17-996-001