NYISO CEO/COO Report

Rob Fernandez

Interim President & Chief Executive Officer

Rick Gonzales

Senior Vice President & Chief Operating Officer

Management Committee Meeting

February 27, 2019 Rensselaer, NY



NYISO CEO/COO Report

CEO Report

COO Report

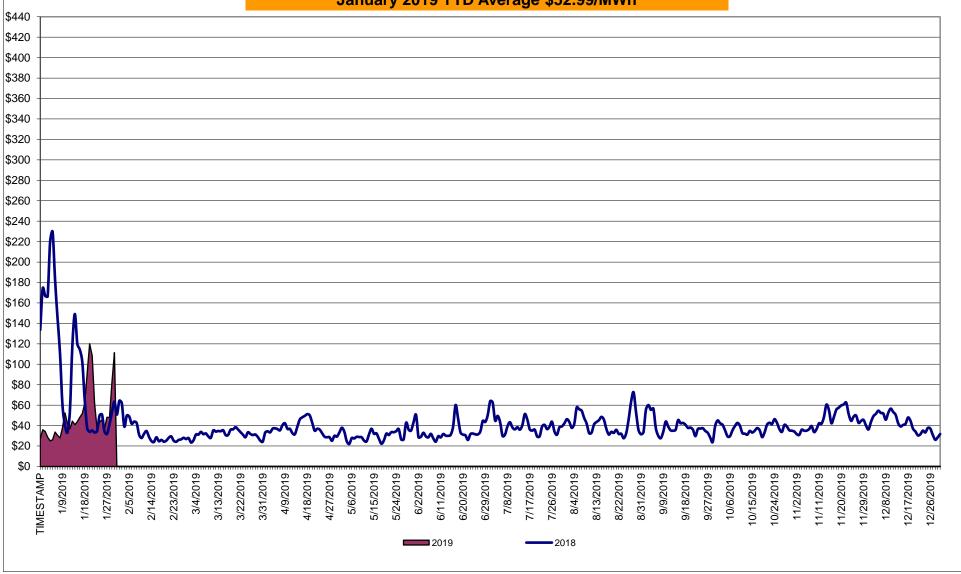
- Market Performance Highlights For Information Only
- Operations Performance Metrics Monthly Report



Market Performance Highlights January 2019

- LBMP for January is \$50.93/MWh; higher than \$40.31/MWh in December 2018 and lower than \$99.55/MWh in January 2018.
 - Day Ahead and Real Time Load Weighted LBMPs are higher compared to December.
- January 2019 average year-to-date monthly cost of \$52.99/MWh is a 48% decrease from \$101.54/MWh in January 2018.
- Average daily sendout is 449 GWh/day in January; higher than 425 GWh/day in December 2018 and lower than 463 GWh/day in January 2018.
- Natural gas and distillate prices were higher compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$6.11/MMBtu, up from \$4.10/MMBtu in December.
 - Natural gas prices are down 65.9% year-over-year.
 - Jet Kerosene Gulf Coast was \$13.25/MMBtu, up from \$12.54/MMBtu in December.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$13.20/MMBtu, up from \$12.84/MMBtu in December.
 - Distillate prices are down 9.7% year-over-year.
- Uplift per MWh is higher compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.25)/MWh; higher than (\$0.29)/MWh in December.
 - Local Reliability Share is \$0.32/MWh, higher than \$0.23/MWh in December.
 - Statewide Share is (\$0.57)/MWh, lower than (\$0.52)/MWh in December.
 - TSA \$ per NYC MWh is \$0.00/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than December.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)* 2018 Annual Average \$44.92/MWh January 2018 YTD Average \$101.54/MWh January 2019 YTD Average \$52.99/MWh

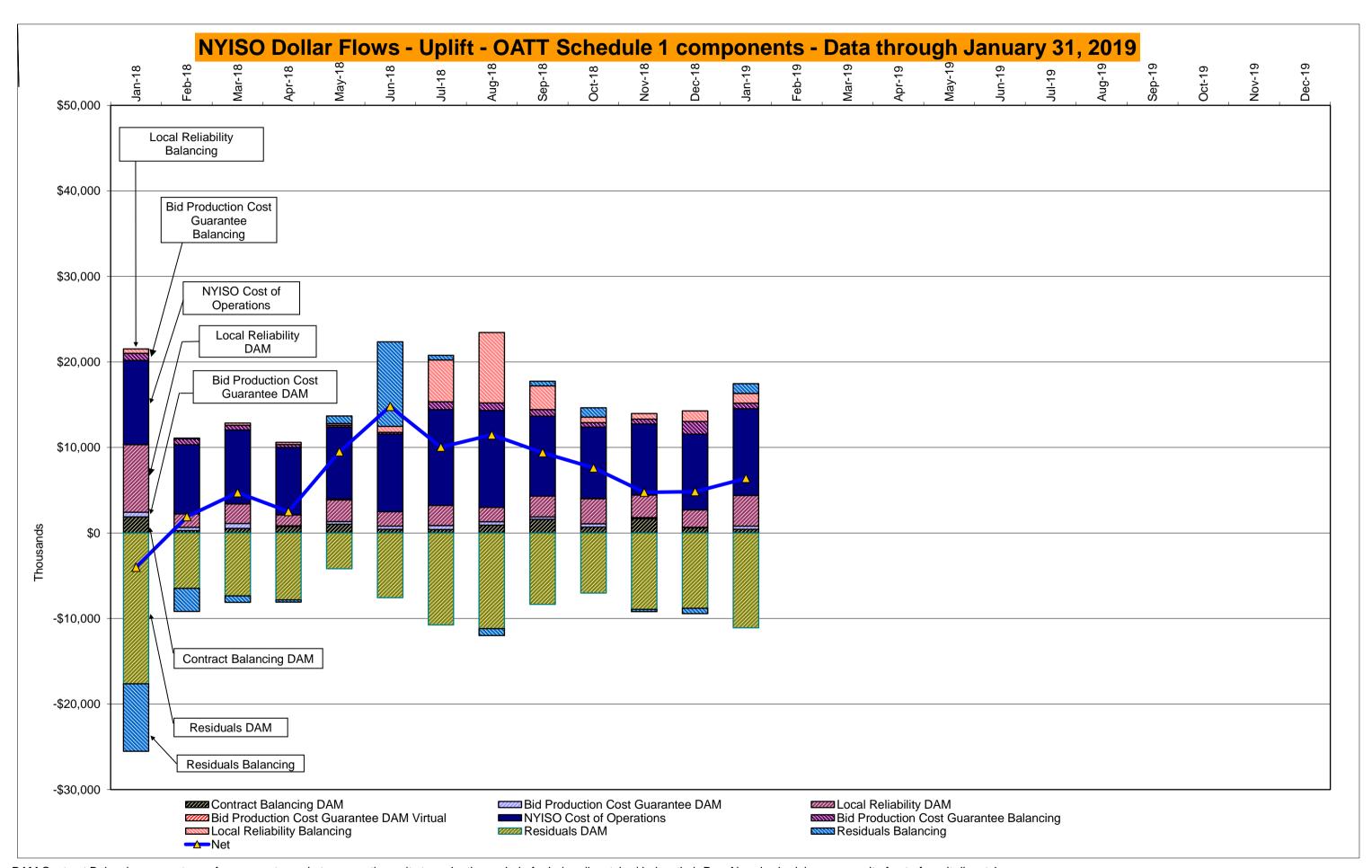


^{*} Excludes ICAP payments.

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

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>	<u>September</u>	<u>October</u>	November	<u>December</u>
LBMP	50.93											
NTAC	0.51											
Reserve	0.54											
Regulation	0.13											
NYISO Cost of Operations	0.68											
FERC Fee Recovery	0.08											
Uplift	(0.25)											
Uplift: Local Reliability Share	0.32											
Uplift: Statewide Share	(0.57)											
Voltage Support and Black Start	0.37											
Avg Monthly Cost	52.99											
Avg YTD Cost	52.99											
Avg 11D cost	32.33											
TSA \$ per NYC MWh	0.00											
2018	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
LBMP	99.55	33.83	29.91	35.00	28.78	32.53	39.58	42.56	38.70	35.85	43.15	40.31
NTAC	0.71	0.58	0.88	1.09	0.88	1.00	0.93	0.72	0.40	0.36	1.18	0.93
Reserve	0.92	0.65	0.64	0.81	0.68	0.57	0.49	0.51	0.52	0.80	0.66	0.54
Regulation	0.15	0.15	0.16	0.12	0.14	0.16	0.09	0.09	0.09	0.16	0.17	0.17
NYISO Cost of Operations	0.65	0.65	0.66	0.65	0.66	0.67	0.67	0.66	0.66	0.63	0.63	0.63
FERC Fee Recovery	0.08	0.10	0.09	0.10	0.09	0.09	0.06	0.06	0.08	0.09	0.09	0.08
Uplift	(0.92)	(0.50)	(0.31)	(0.45)	0.05	0.30	(0.13)	(0.02)	(0.11)	(0.30)	(0.27)	(0.29)
Uplift: Local Reliability Share	0.59	0.14	0.19	0.12	0.22	0.18	0.44	0.59	0.37	0.27	0.25	0.23
Uplift: Statewide Share	(1.52)	(0.64)	(0.51)	(0.57)	(0.17)	0.12	(0.57)	(0.61)	(0.48)	(0.56)	(0.52)	(0.52)
Voltage Support and Black Start	0.40	0.41	0.42	0.41	0.42	0.42	0.42	0.42	0.42	0.40	0.40	0.40
Avg Monthly Cost	101.54	35.87	32.45	37.74	31.70	35.73	42.12	45.01	40.76	38.00	46.01	42.78
Avg YTD Cost	101.54	72.85	60.06	54.82	50.20	47.70	46.64	46.37	45.75	45.03	45.11	44.92
TSA \$ per NYC MWh	0.00	0.00	0.04	0.00	0.08	0.39	0.21	0.14	0.33	0.75	0.00	0.00

^{*} Excludes ICAP payments. Market Mitigation and Analysis Prepared: 2/8/2019 11:12 AM



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>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>
Day Ahead Market MWh	15,299,458											
DAM LSE Internal LBMP Energy Sales	57%											
DAM External TC LBMP Energy Sales	6%											
DAM Bilateral - Internal Bilaterals	29%											
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%											
DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%											
DAM Bilateral - Wheel Through Bilaterals	2%											
Balancing Energy Market MWh	-322,442											
Balancing Energy LSE Internal LBMP Energy Sales	-120%											
Balancing Energy External TC LBMP Energy Sales	65%											
Balancing Energy Bilateral - Internal Bilaterals	-4%											
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%											
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	3%											
Balancing Energy Bilateral - Wheel Through Bilaterals	-45%											
Transactions Summary												
LBMP	63%											
Internal Bilaterals	29%											
Import Bilaterals	5%											
Export Bilaterals	1%											
Wheels Through	1%											
Market Share of Total Load												
Day Ahead Market	102.2%											
Balancing Energy +	-2.2%											
Total MWH	14,977,016											
Average Daily Energy Sendout/Month GWh	449											
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<u>2018</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	<u>December</u>
Day Ahead Market MWh	15,153,751	12,643,854	13,521,386	12,158,686	12,721,073	13,983,384	16,839,994	17,195,447	14,432,632	13,548,828	13,506,134	14,450,460
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales	15,153,751 59%	12,643,854 57%	13,521,386 58%	12,158,686 60%	12,721,073 61%	13,983,384 61%	16,839,994 65%	17,195,447 65%	14,432,632 61%	13,548,828 57%	13,506,134 58%	14,450,460 56%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales	15,153,751 59% 4%	12,643,854	13,521,386 58% 2%	12,158,686 60% 2%	12,721,073 61% 2%	13,983,384 61% 1%	16,839,994 65% 1%	17,195,447	14,432,632	13,548,828	13,506,134	14,450,460 56% 6%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals	15,153,751 59% 4% 29%	12,643,854 57% 3% 31%	13,521,386 58%	12,158,686 60%	12,721,073 61% 2% 29%	13,983,384 61% 1% 30%	16,839,994 65% 1% 26%	17,195,447 65%	14,432,632 61%	13,548,828 57%	13,506,134 58%	14,450,460 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	15,153,751 59% 4%	12,643,854 57% 3%	13,521,386 58% 2%	12,158,686 60% 2%	12,721,073 61% 2%	13,983,384 61% 1%	16,839,994 65% 1%	17,195,447 65% 2%	14,432,632 61% 3%	13,548,828 57% 6%	13,506,134 58% 6%	14,450,460 56% 6% 30% 5%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals	15,153,751 59% 4% 29%	12,643,854 57% 3% 31%	13,521,386 58% 2% 32%	12,158,686 60% 2% 30% 5% 2%	12,721,073 61% 2% 29%	13,983,384 61% 1% 30%	16,839,994 65% 1% 26%	17,195,447 65% 2% 25%	14,432,632 61% 3% 28%	13,548,828 57% 6% 29%	13,506,134 58% 6% 30%	14,450,460 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	15,153,751 59% 4% 29% 5%	12,643,854 57% 3% 31% 5%	13,521,386 58% 2% 32% 5%	12,158,686 60% 2% 30% 5%	12,721,073 61% 2% 29% 5%	13,983,384 61% 1% 30% 5%	16,839,994 65% 1% 26% 4%	17,195,447 65% 2% 25% 4%	14,432,632 61% 3% 28% 5%	13,548,828 57% 6% 29% 5%	13,506,134 58% 6% 30% 2%	14,450,460 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	15,153,751 59% 4% 29% 5% 2%	12,643,854 57% 3% 31% 5% 2%	13,521,386 58% 2% 32% 5% 2%	12,158,686 60% 2% 30% 5% 2%	12,721,073 61% 2% 29% 5% 2%	13,983,384 61% 1% 30% 5% 1%	16,839,994 65% 1% 26% 4% 1%	17,195,447 65% 2% 25% 4% 1%	14,432,632 61% 3% 28% 5% 1%	13,548,828 57% 6% 29% 5% 2%	13,506,134 58% 6% 30% 2% 2%	14,450,460 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	15,153,751 59% 4% 29% 5% 2% 1%	12,643,854 57% 3% 31% 5% 2% 2%	13,521,386 58% 2% 32% 5% 2% 2%	12,158,686 60% 2% 30% 5% 2% 2%	12,721,073 61% 2% 29% 5% 2% 2%	13,983,384 61% 1% 30% 5% 1% 2%	16,839,994 65% 1% 26% 4% 1% 2%	17,195,447 65% 2% 25% 4% 1% 2%	14,432,632 61% 3% 28% 5% 1% 2%	13,548,828 57% 6% 29% 5% 2% 1%	13,506,134 58% 6% 30% 2% 2% 1%	14,450,460 56% 6% 30% 5% 2% 2%
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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	15,153,751 59% 4% 29% 5% 2% 1% -149,619 -147%	12,643,854 57% 3% 31% 5% 2% 2% -299,377 -101%	13,521,386 58% 2% 32% 5% 2% 2% -386,811 -128%	12,158,686 60% 2% 30% 5% 2% 2% -72,862 -208%	12,721,073 61% 2% 29% 5% 2% 2% -29,539 -458%	13,983,384 61% 1% 30% 5% 1% 2% -354,112 -113%	16,839,994 65% 1% 26% 4% 1% 2% -80,438 -123%	17,195,447 65% 2% 25% 4% 1% 2% -44,732 -75%	14,432,632 61% 3% 28% 5% 1% 2% -210,436 -82%	13,548,828 57% 6% 29% 5% 2% 1% -314,885 -105%	13,506,134 58% 6% 30% 2% 2% 1% -304,277 -100%	14,450,460 56% 6% 30% 5% 2% 2% -428,748 -94%
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Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy 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	15,153,751 59% 4% 29% 5% 2% 1% -149,619 -147% 74% 9% 0% 22% -58%	12,643,854 57% 3% 31% 5% 2% 2% -299,377 -101% 24% 5% 0% 9%	13,521,386 58% 2% 32% 5% 2% 2% -386,811 -128% 37% 0% 0% 6%	12,158,686 60% 2% 30% 5% 2% 2% -72,862 -208% 189% -11% 0% 34%	12,721,073 61% 2% 29% 5% 2% 2% -29,539 -458% 564% 29% 0% 51% -287%	13,983,384 61% 1% 30% 5% 1% 2% -354,112 -113% 29% 5% 0% 3%	16,839,994 65% 1% 26% 4% 1% 2% -80,438 -123% 129% 18% 0% 14%	17,195,447 65% 2% 25% 4% 1% 2% -44,732 -75% 209% 23% 0% 25% -281%	14,432,632 61% 3% 28% 5% 1% 22% -210,436 -82% 14% 7% 0% 3% -42%	13,548,828 57% 6% 29% 5% 2% 1% -314,885 -105% 30% 2% 0% 0%	13,506,134 58% 6% 30% 2% 2% 1% -304,277 -100% 18% 3% 10% 0%	14,450,460 56% 6% 30% 5% 2% 2% -428,748 -94% 27% 3% 0% 0% -36%
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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 - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Wheels Through	15,153,751 59% 4% 29% 5% 2% 1% -149,619 -147% 74% 9% 0% 22% -58% 63% 30% 5% 2%	12,643,854 57% 3% 31% 5% 2% 2% -299,377 -101% 24% 5% 0% 9% -36% 59% 32% 5%	13,521,386 58% 2% 32% 5% 2% 2% -386,811 -128% 37% 0% 6% -15% 59% 33% 6%	12,158,686 60% 2% 30% 5% 2% 2% -72,862 -208% 189% -11% 0% 34% -103% 62% 30% 5%	12,721,073 61% 29% 5% 29% 5% 2% -29,539 -458% 564% 29% 0% 51% -287%	13,983,384 61% 1% 30% 5% 1% 2% -354,112 -113% 29% 5% 0% 3% -23% 61% 31% 5%	16,839,994 65% 1% 26% 4% 1% 2% -80,438 -123% 129% 18% 0% 14% -138% 66% 27% 4% 1%	17,195,447 65% 2% 25% 4% 1% 2% -44,732 -75% 209% 23% 0% 25% -281% 68% 25% 4% 1%	14,432,632 61% 3% 28% 5% 1% 22% -210,436 -82% 14% 7% 0% 3% -42% 64% 28% 5% 1%	13,548,828 57% 6% 29% 5% 2% 1% -314,885 -105% 30% 2% 0% 0% -27% 63% 30% 5% 2%	13,506,134 58% 6% 30% 2% 2% 1% -304,277 -100% 18% 3% 10% 0% -31% 64% 31% 3% 2%	14,450,460 56% 6% 30% 5% 2% 2% -428,748 -94% 27% 3% 0% 0% -36% 61% 31% 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 - 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 Mheels Through Market Share of Total Load	15,153,751 59% 4% 29% 5% 2% 1% -149,619 -147% 74% 9% 0% 22% -58% 63% 30% 5% 2% 1%	12,643,854 57% 3% 31% 5% 2% 2% -299,377 -101% 24% 5% 0% 9% -36% 59% 32% 5% 2% 1%	13,521,386 58% 2% 32% 5% 2% 2% -386,811 -128% 37% 0% 6% -15% 59% 33% 6% 2% 1%	12,158,686 60% 2% 30% 5% 2% 2% -72,862 -208% 189% -11% 0% 34% -103% 62% 30% 5% 2% 1%	12,721,073 61% 29% 5% 29% -29,539 -458% 564% 29% 0% 51% -287% 63% 29% 5% 2% 1%	13,983,384 61% 1% 30% 5% 1% 2% -354,112 -113% 29% 5% 0% 3% -23% 61% 31% 5% 1% 2%	16,839,994 65% 1% 26% 4% 1% 2% -80,438 -123% 129% 18% 0% 14% -138% 66% 27% 4% 1%	17,195,447 65% 2% 25% 4% 1% 2% -44,732 -75% 209% 23% 0% 25% -281% 68% 25% 4% 1% 1%	14,432,632 61% 3% 28% 5% 1% 22% -210,436 -82% 14% 7% 0% 3% -42% 64% 28% 5% 1% 2%	13,548,828 57% 6% 29% 5% 2% 1% -314,885 -105% 30% 2% 0% 0% -27% 63% 30% 5% 2% 1%	13,506,134 58% 6% 30% 2% 2% 1% -304,277 -100% 18% 3% 10% 0% -31% 64% 31% 3% 2% 1%	14,450,460 56% 6% 30% 5% 2% 2% -428,748 -94% 27% 3% 0% 0% -36% 61% 31% 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 - 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 Mheels Through Market Share of Total Load Day Ahead Market Balancing Energy +	15,153,751 59% 4% 29% 5% 2% 1% -149,619 -147% 74% 9% 0% 22% -58% 63% 30% 5% 2% 1%	12,643,854 57% 3% 31% 5% 2% 2% -299,377 -101% 24% 5% 0% 9% -36% 59% 32% 5% 2% 1% 102.4% -2.4%	13,521,386 58% 2% 32% 5% 2% 2% -386,811 -128% 37% 0% 6% -15% 59% 33% 6% 2% 1% 102.9% -2.9%	12,158,686 60% 2% 30% 5% 2% 2% -72,862 -208% 189% -11% 0% 34% -103% 62% 30% 5% 2% 1% 100.6% -0.6%	12,721,073 61% 29% 5% 29% -29,539 -458% 564% 29% 0% 51% -287% 63% 29% 5% 2% 1%	13,983,384 61% 1% 30% 5% 1% 2% -354,112 -113% 29% 5% 0% 3% -23% 61% 31% 5% 1% 2% 102.6% -2.6%	16,839,994 65% 1% 26% 4% 1% 2% -80,438 -123% 129% 18% 0% 14% -138% 66% 27% 4% 1% 1% 1% 100.5% -0.5%	17,195,447 65% 2% 25% 4% 1% 2% -44,732 -75% 209% 23% 0% 25% -281% 68% 25% 4% 1% 1% 1% 100.3% -0.3%	14,432,632 61% 3% 28% 5% 1% 22% -210,436 -82% 14% 7% 0% 3% -42% 64% 28% 5% 1% 2%	13,548,828 57% 6% 29% 5% 2% 1% -314,885 -105% 30% 2% 0% 0% -27% 63% 30% 5% 2% 1% 102.4% -2.4%	13,506,134 58% 6% 30% 2% 2% 1% -304,277 -100% 18% 3% 10% 0% -31% 64% 31% 34% 24% 1% 102.3% -2.3%	14,450,460 56% 6% 30% 5% 2% 2% -428,748 -94% 27% 3% 0% -36% 61% 31% 5% 2% 1%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - 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 Mheels Through Market Share of Total Load Day Ahead Market	15,153,751 59% 4% 29% 5% 2% 1% -149,619 -147% 74% 9% 0% 22% -58% 63% 30% 5% 2% 1%	12,643,854 57% 3% 31% 5% 2% 2% -299,377 -101% 24% 5% 0% 9% -36% 59% 32% 5% 2% 1%	13,521,386 58% 2% 32% 5% 2% 2% -386,811 -128% 37% 0% 6% -15% 59% 33% 6% 2% 1%	12,158,686 60% 2% 30% 5% 2% 2% -72,862 -208% 189% -11% 0% 34% -103% 62% 30% 5% 2% 1%	12,721,073 61% 29% 5% 29% 2% -29,539 -458% 564% 29% 0% 51% -287% 63% 29% 5% 2% 1%	13,983,384 61% 1% 30% 5% 1% 2% -354,112 -113% 29% 5% 0% 3% -23% 61% 31% 5% 1% 2%	16,839,994 65% 1% 26% 4% 1% 2% -80,438 -123% 129% 18% 0% 14% -138% 66% 27% 4% 1% 1% 1%	17,195,447 65% 2% 25% 4% 1% 2% -44,732 -75% 209% 23% 0% 25% -281% 68% 25% 4% 1% 1% 1%	14,432,632 61% 3% 28% 5% 1% 22% -210,436 -82% 14% 7% 0% 3% -42% 64% 28% 5% 1% 2%	13,548,828 57% 6% 29% 5% 2% 1% -314,885 -105% 30% 2% 0% 0% -27% 63% 30% 5% 2% 1%	13,506,134 58% 6% 30% 2% 2% 1% -304,277 -100% 18% 3% 10% 0% -31% 64% 31% 3% 2% 1%	14,450,460 56% 6% 30% 5% 2% 2% -428,748 -94% 27% 3% 0% 0% -36% 61% 31% 5% 2% 1%

⁺ 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.

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

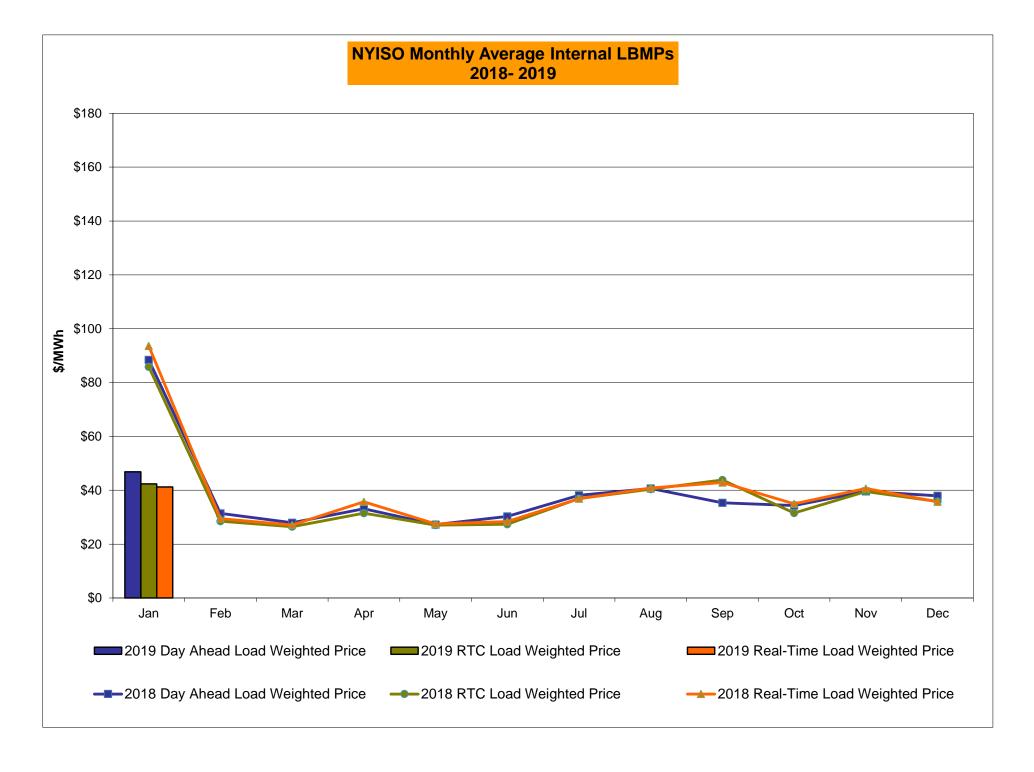
NYISO Markets 2019 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	August Septembe	October November December
DAY AHEAD LBMP									
Price *	\$45.01								
Standard Deviation	\$25.67								
Load Weighted Price **	\$46.88								
RTC LBMP									
Price *	\$40.86								
Standard Deviation	\$23.02								
Load Weighted Price **	\$42.39								
REAL TIME LBMP									
Price *	\$39.54								
Standard Deviation	\$26.03								
Load Weighted Price **	\$41.24								
Average Daily Energy Sendout/Month GWh	449								

NYISO Markets 2018 Energy Statistics

	January	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
DAY AHEAD LBMP					<u></u>							
Price *	\$83.53	\$30.37	\$27.37	\$32.40	\$25.97	\$28.41	\$35.73	\$38.00	\$33.28	\$33.27	\$38.36	\$36.88
Standard Deviation	\$58.94	\$12.38	\$6.34	\$9.06	\$9.22	\$11.42	\$15.25	\$16.51	\$12.01	\$9.24	\$11.36	\$11.61
Load Weighted Price **	\$88.42	\$31.44	\$27.95	\$33.14	\$27.26	\$30.27	\$38.14	\$40.64	\$35.33	\$34.33	\$39.55	\$37.96
RTC LBMP												
Price *	\$81.65	\$27.73	\$25.99	\$30.80	\$25.40	\$26.06	\$34.65	\$38.13	\$39.52	\$30.92	\$38.37	\$35.01
Standard Deviation	\$60.83	\$11.96	\$8.99	\$14.30	\$20.37	\$12.78	\$17.44	\$20.05	\$61.50	\$13.43	\$17.24	\$12.27
Load Weighted Price **	\$85.85	\$28.54	\$26.46	\$31.47	\$27.08	\$27.35	\$36.93	\$40.40	\$43.83	\$31.55	\$39.53	\$35.84
REAL TIME LBMP												
Price *	\$87.94	\$28.50	\$26.49	\$34.53	\$25.57	\$26.31	\$34.34	\$38.07	\$38.15	\$33.88	\$39.18	\$34.74
Standard Deviation	\$87.41	\$17.36	\$12.25	\$26.57	\$23.49	\$24.34	\$18.44	\$27.21	\$46.81	\$37.42	\$26.15	\$17.44
Load Weighted Price **	\$93.59	\$29.49	\$27.09	\$35.72	\$27.47	\$28.38	\$36.84	\$40.87	\$42.87	\$34.94	\$40.63	\$35.70
Average Daily Energy Sendout/Month GWh	463	426	413	390	397	445	529	537	458	399	411	425

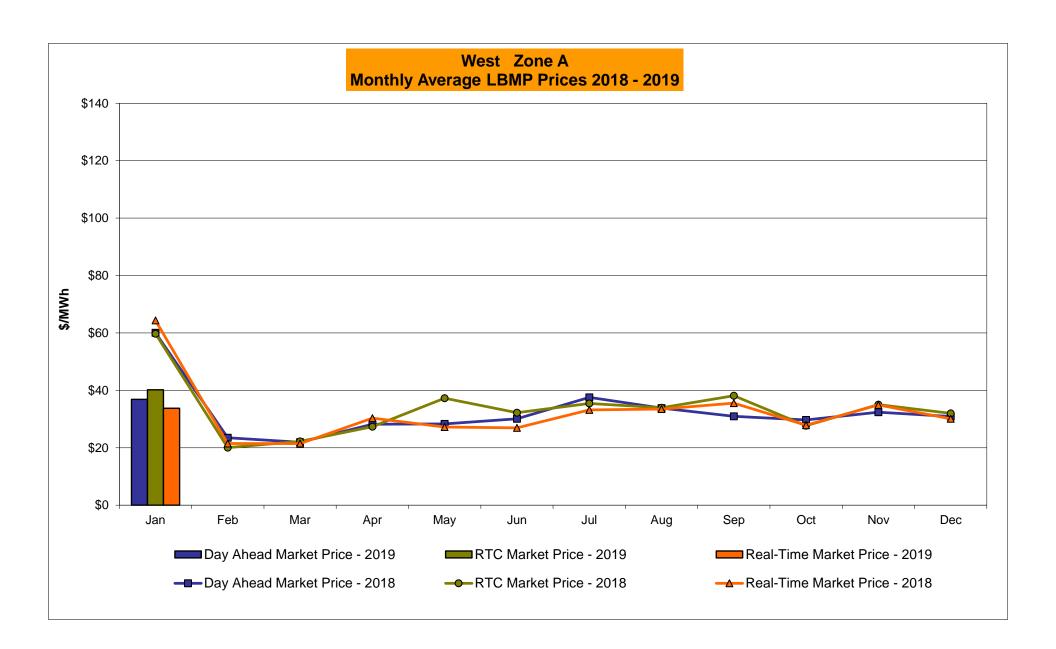
^{*} Average zonal load weighted prices.
** Average zonal load weighted prices, load weighted in each hour.

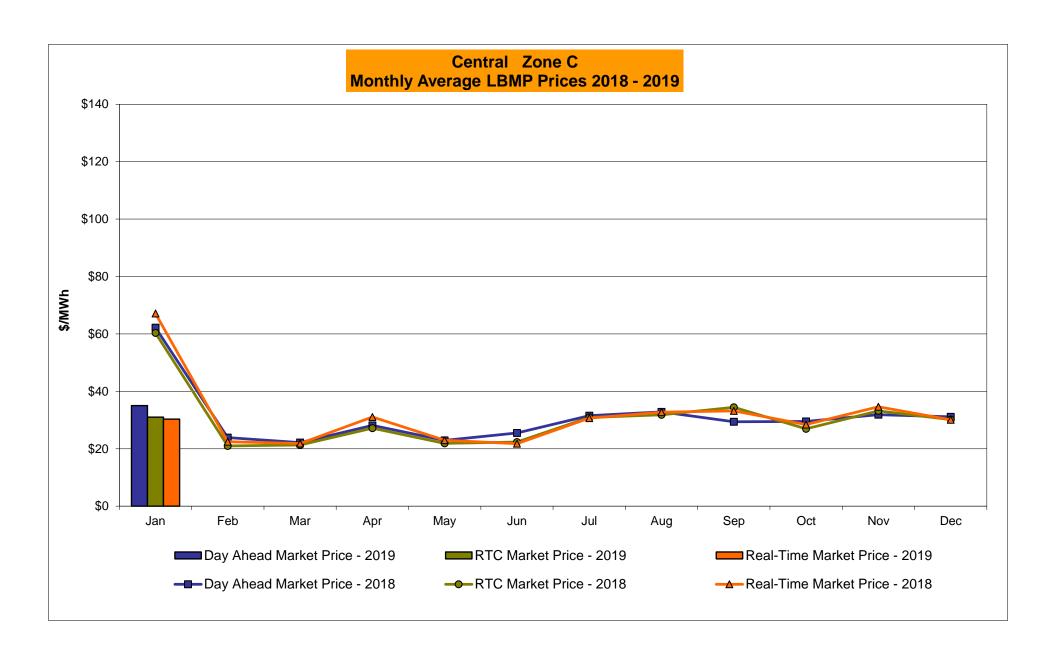


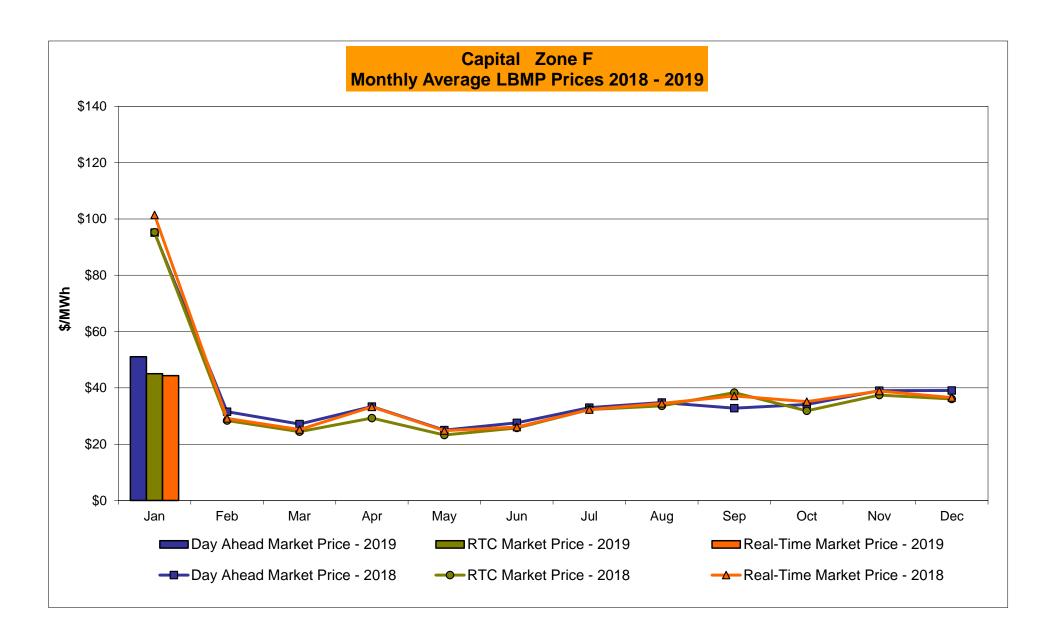
January 2019 Zonal LBMP Statistics for NYISO (\$/MWh)

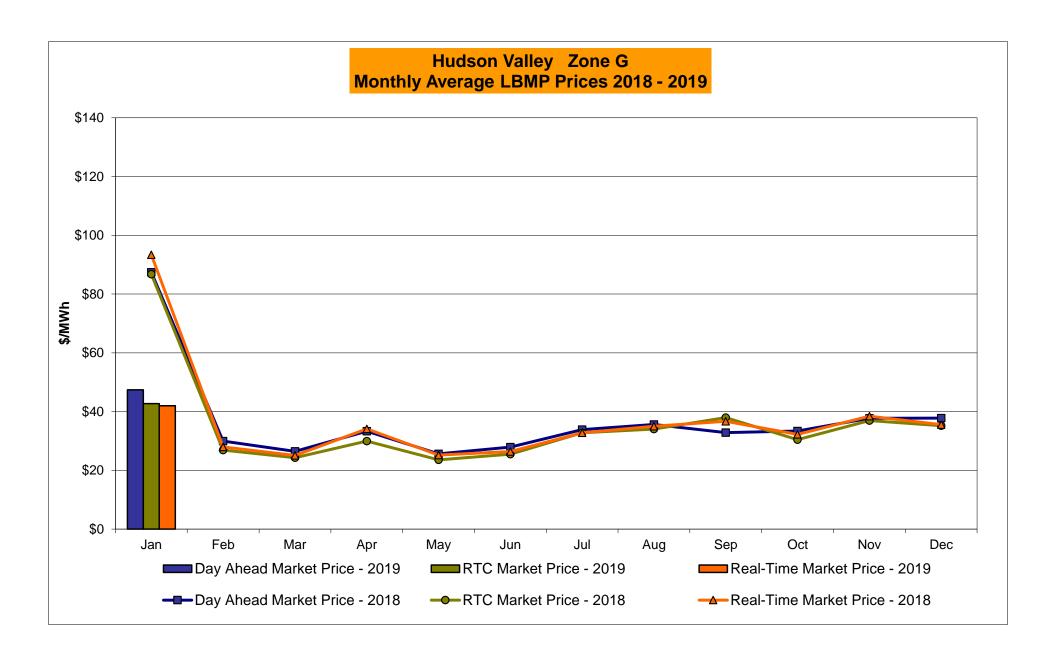
	WEST	GENESEE	NORTH	CENTRAL	MOHAWK VALLEY	CAPITAL	HUDSON VALLEY	MILLWOOD	DUNWOODIE	NEW YORK CITY	LONG ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP											
Unweighted Price *	36.84	33.08	31.06	35.02	35.99	51.03	47.38	47.79	47.76	49.20	56.48
Standard Deviation	21.65	19.36	20.46	20.49	21.55	29.17	26.99	27.23	27.19	29.44	31.54
RTC LBMP											
Unweighted Price *	40.22	28.83	28.44	31.02	32.21	45.02	42.72	43.08	42.96	44.02	50.32
Standard Deviation	39.68	17.66	19.80	18.92	19.89	27.93	25.33	25.84	25.67	25.72	34.17
REAL TIME LBMP											
Unweighted Price *	33.74	28.35	27.94	30.34	31.59	44.37	42.01	42.37	42.26	43.78	48.25
Standard Deviation	29.03	21.71	23.76	22.68	23.94	31.19	28.71	29.20	29.03	31.00	32.55
		HADBO	HADBO			CDOCC					
	ONTADIO	HYDRO	HYDRO		NEW	CROSS	NODTUDODT.				
	ONTARIO IESO	QUEBEC	HYDRO QUEBEC mport/Export)	РЈМ	NEW ENGLAND		NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
		QUEBEC	QUEBEC	РЈМ		SOUND		NEPTUNE Controllable	LINDEN VFT Controllable	HUDSON Controllable	Dennison Controllable
		QUEBEC	QUEBEC	PJM <u>Zone P</u>		SOUND CABLE	NORWALK				
DAY AHEAD LBMP	IESO	QUEBEC (Wheel) (I	QUEBEC mport/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	Controllable	<u>Controllable</u>	Controllable
Unweighted Price *	Zone O 32.55	QUEBEC (Wheel) (In Zone M 31.48	QUEBEC mport/Export) Zone M 31.47	Zone P 39.91	Zone N 51.59	SOUND CABLE Controllable Line 55.11	NORWALK Controllable Line 54.71	Controllable Line 52.25	Controllable Line 48.26	Controllable Line 48.78	Controllable Line 30.48
	IESO Zone O	QUEBEC (Wheel) (I	QUEBEC mport/Export) <u>Zone M</u>	Zone P	ENGLAND Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
Unweighted Price * Standard Deviation RTC LBMP	Zone O 32.55 18.82	QUEBEC (Wheel) (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	QUEBEC mport/Export) Zone M 31.47 20.25	Zone P 39.91 21.83	Zone N 51.59 28.15	SOUND CABLE Controllable Line 55.11 31.32	NORWALK Controllable Line 54.71 30.17	Controllable Line 52.25 30.31	Controllable Line 48.26 28.79	Controllable Line 48.78 28.88	Controllable Line 30.48 20.20
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price *	Zone O 32.55 18.82 26.89	QUEBEC (Wheel) (In Example 20.25) QUEBEC (Wheel) (In Example 20.25)	QUEBEC mport/Export) Zone M 31.47 20.25	Zone P 39.91 21.83	ENGLAND Zone N 51.59 28.15	SOUND CABLE Controllable Line 55.11 31.32	NORWALK Controllable Line 54.71 30.17	<u>Line</u> 52.25 30.31	Controllable Line 48.26 28.79	Controllable Line 48.78 28.88 44.02	27.92
Unweighted Price * Standard Deviation RTC LBMP	Zone O 32.55 18.82	QUEBEC (Wheel) (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	QUEBEC mport/Export) Zone M 31.47 20.25	Zone P 39.91 21.83	Zone N 51.59 28.15	SOUND CABLE Controllable Line 55.11 31.32	NORWALK Controllable Line 54.71 30.17	Controllable Line 52.25 30.31	Controllable Line 48.26 28.79	Controllable Line 48.78 28.88	Controllable Line 30.48 20.20
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation REAL TIME LBMP	26.89 16.21	QUEBEC (Wheel) (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	QUEBEC mport/Export) Zone M 31.47 20.25 22.73 21.58	Zone P 39.91 21.83 35.67 21.60	Zone N 51.59 28.15 50.95 29.95	SOUND CABLE Controllable Line 55.11 31.32 50.65 37.10	NORWALK Controllable Line 54.71 30.17 49.16 32.13	52.25 30.31 47.60 31.62	Controllable Line 48.26 28.79 42.78 26.22	48.78 28.88 44.02 25.71	27.92 19.55
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	Zone O 32.55 18.82 26.89	QUEBEC (Wheel) (In Example 20.25) QUEBEC (Wheel) (In Example 20.25)	QUEBEC mport/Export) Zone M 31.47 20.25	Zone P 39.91 21.83	ENGLAND Zone N 51.59 28.15	SOUND CABLE Controllable Line 55.11 31.32	NORWALK Controllable Line 54.71 30.17	<u>Line</u> 52.25 30.31	Controllable Line 48.26 28.79	Controllable Line 48.78 28.88 44.02	27.92

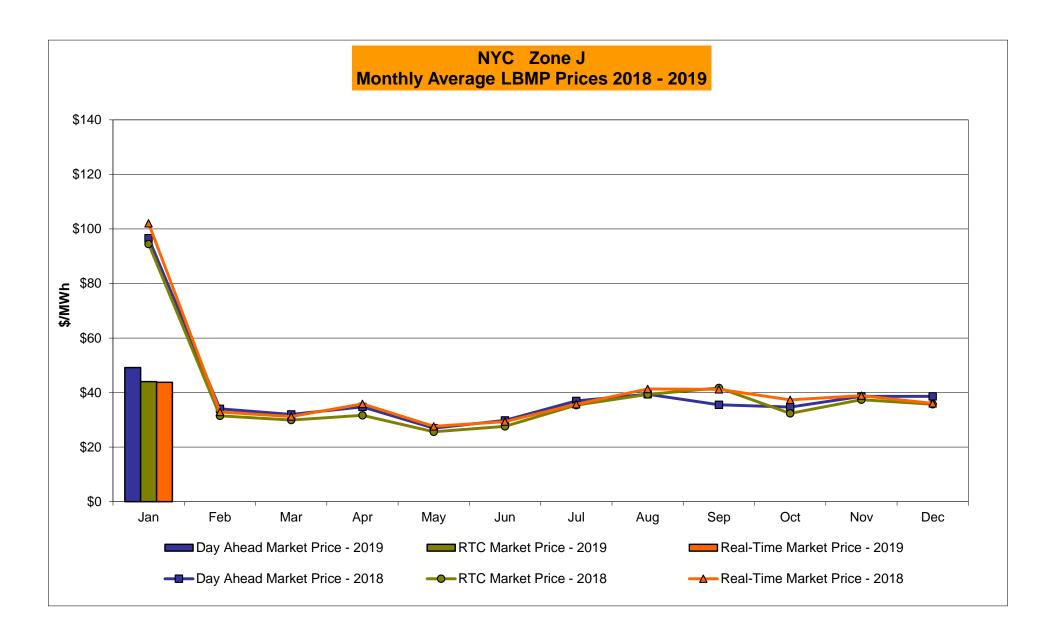
^{*} Straight LBMP averages

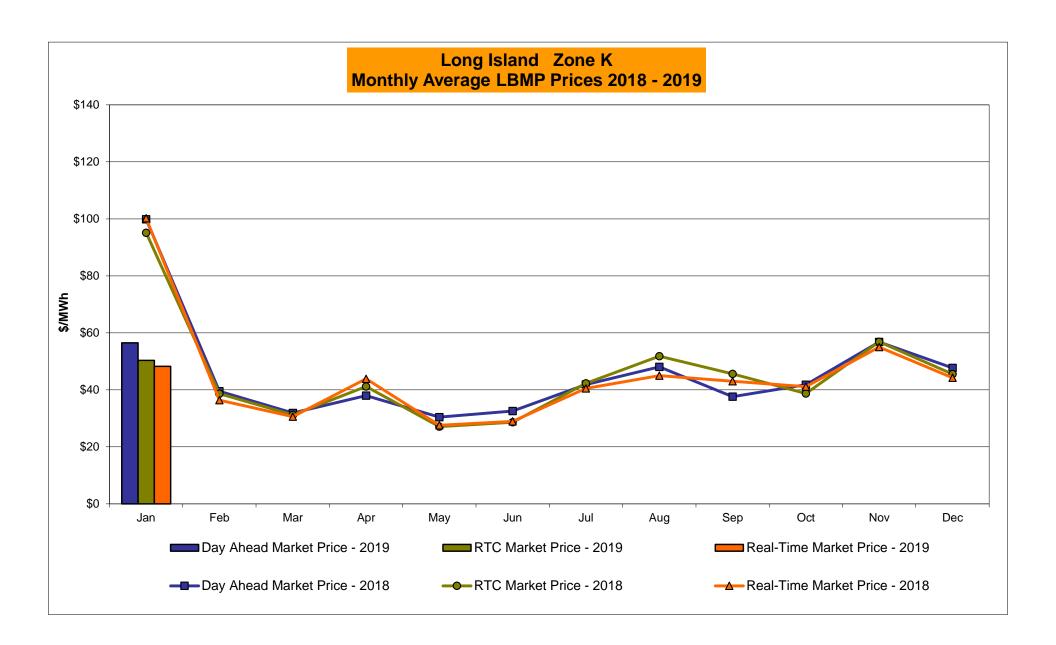


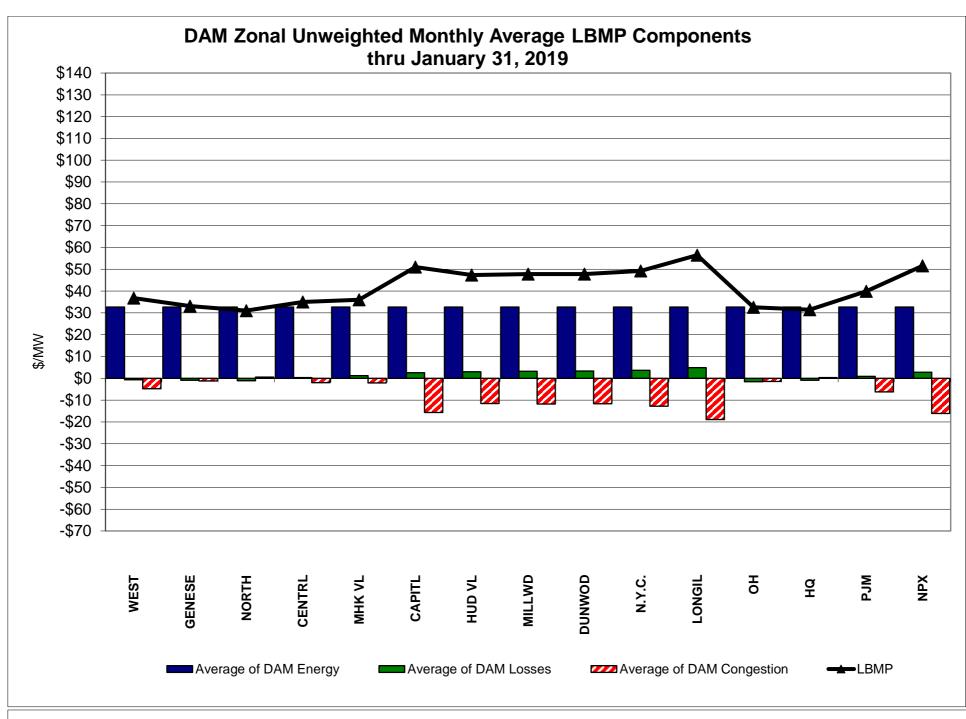


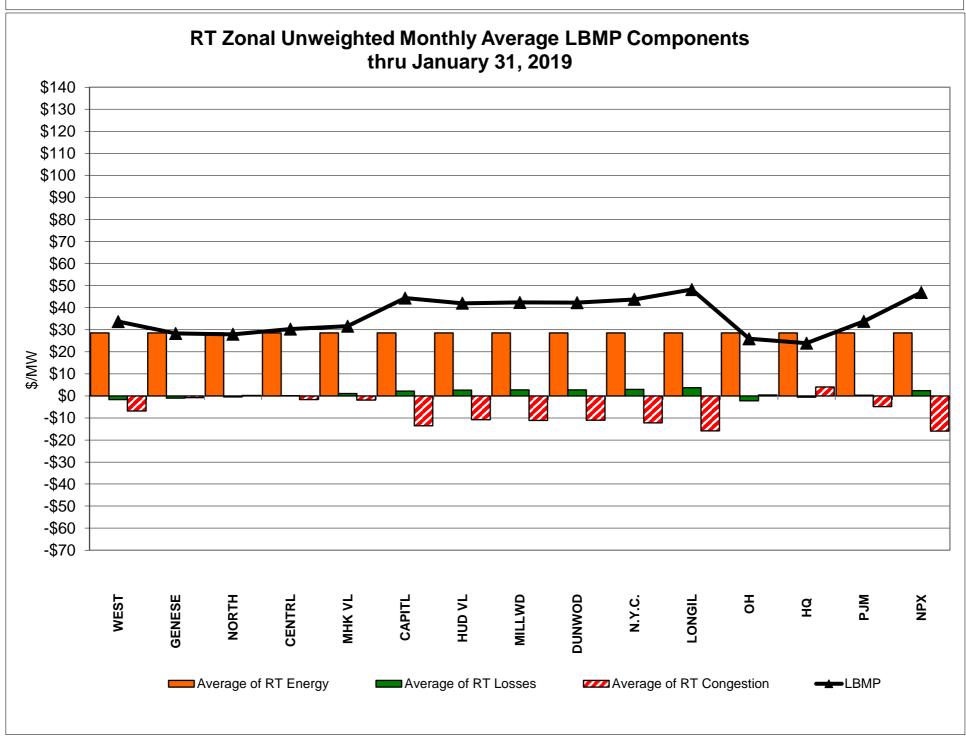




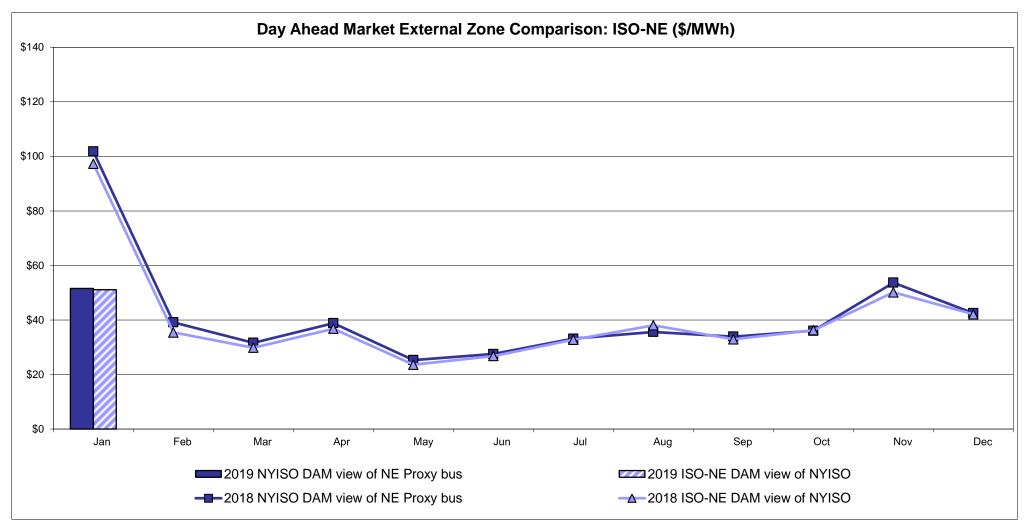


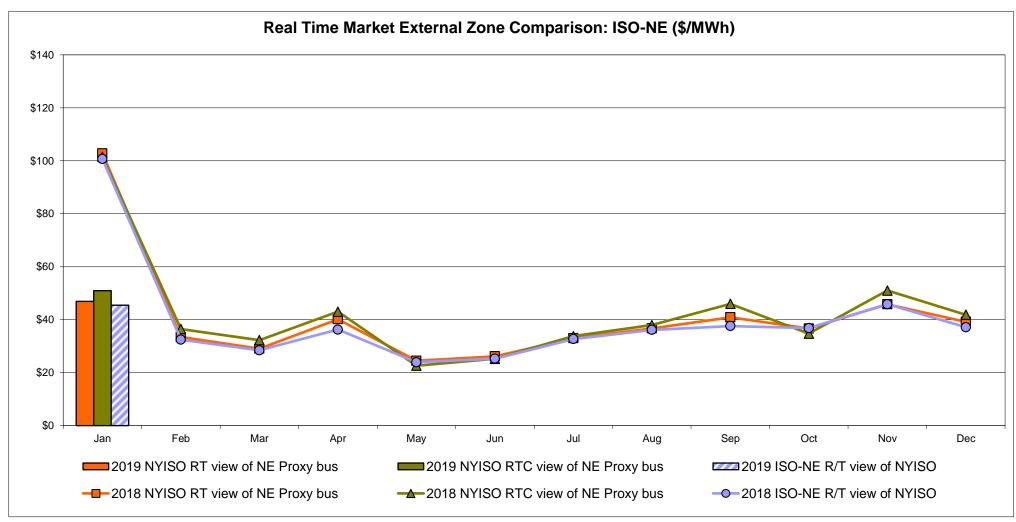




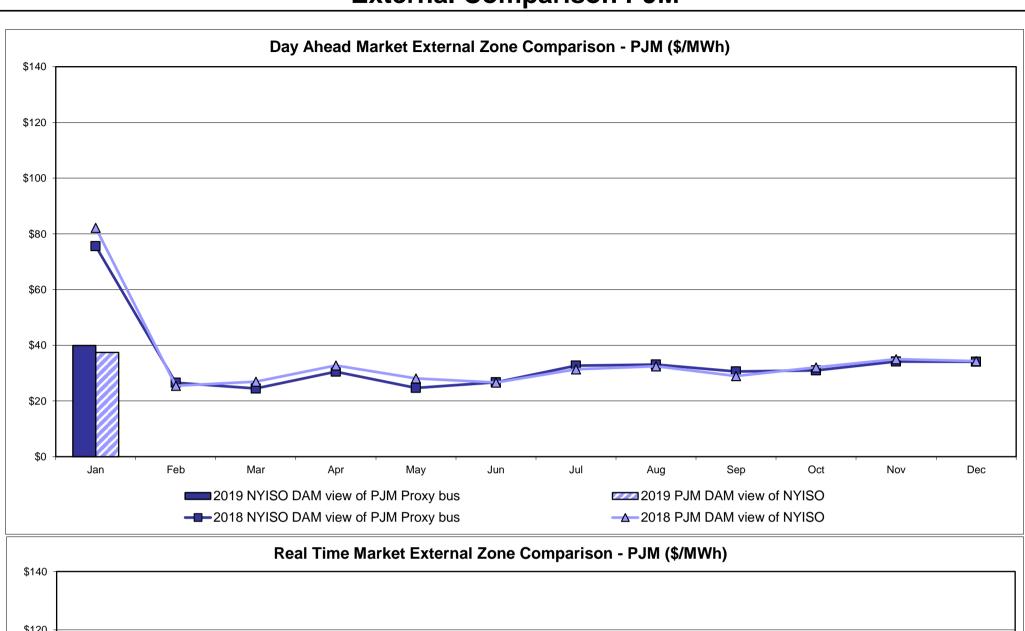


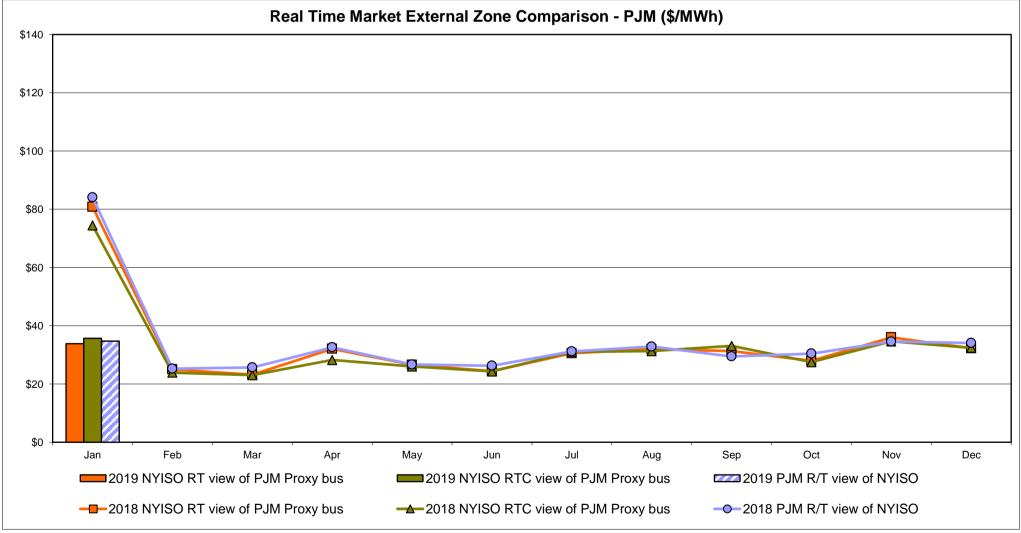
External Comparison ISO-New England



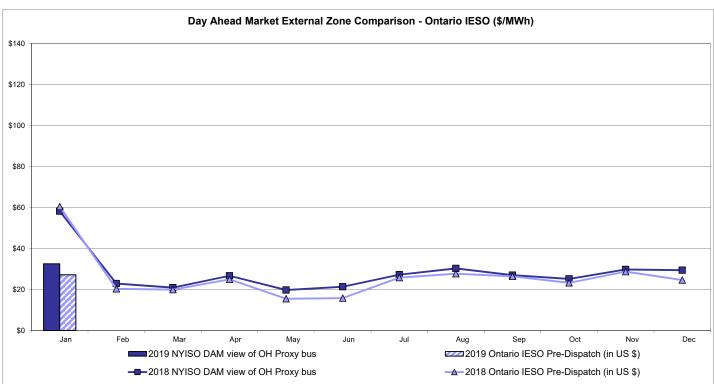


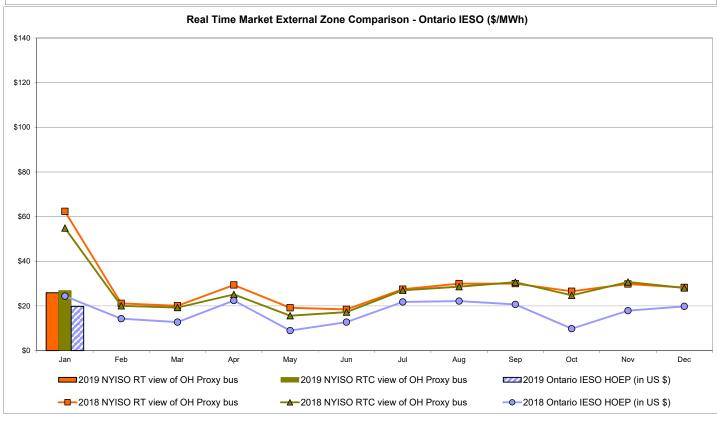
External Comparison PJM





External Comparison Ontario IESO

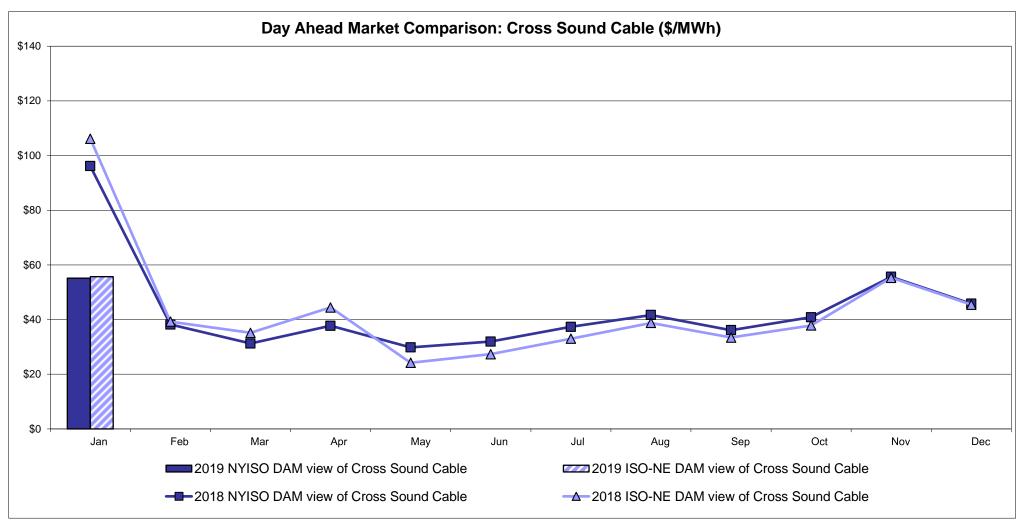


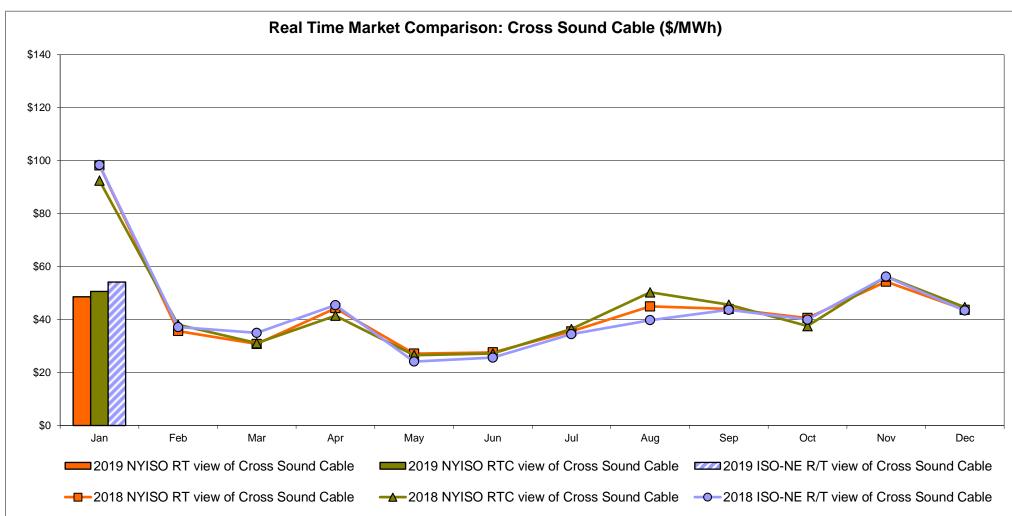


Notes: Exchange factor used for January 2019 was 0.75187969924812 to US

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

External Controllable Line: Cross Sound Cable (New England)





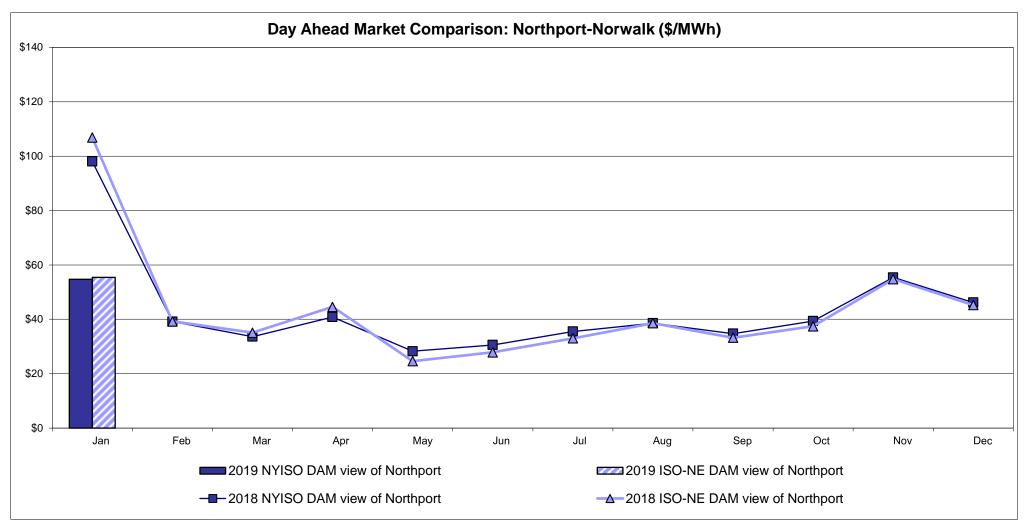
Note:

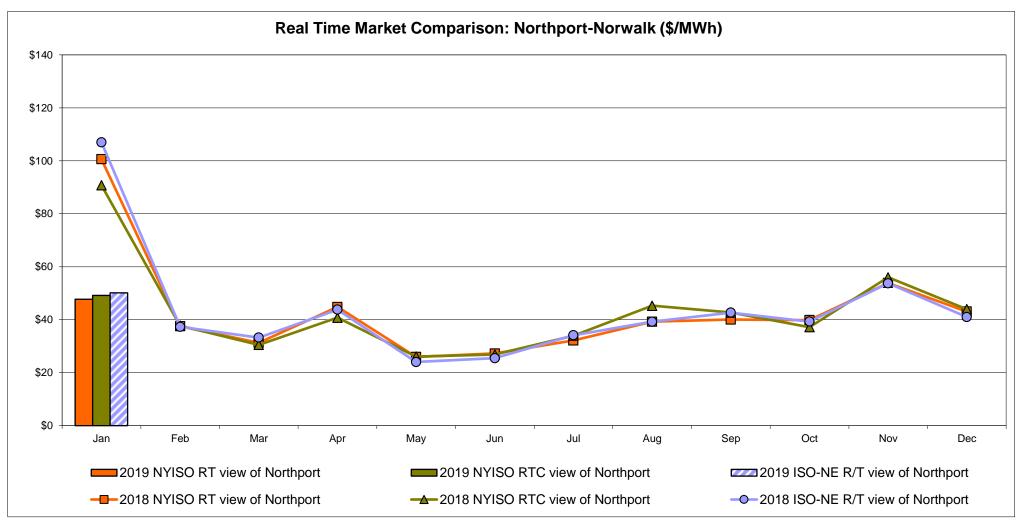
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)





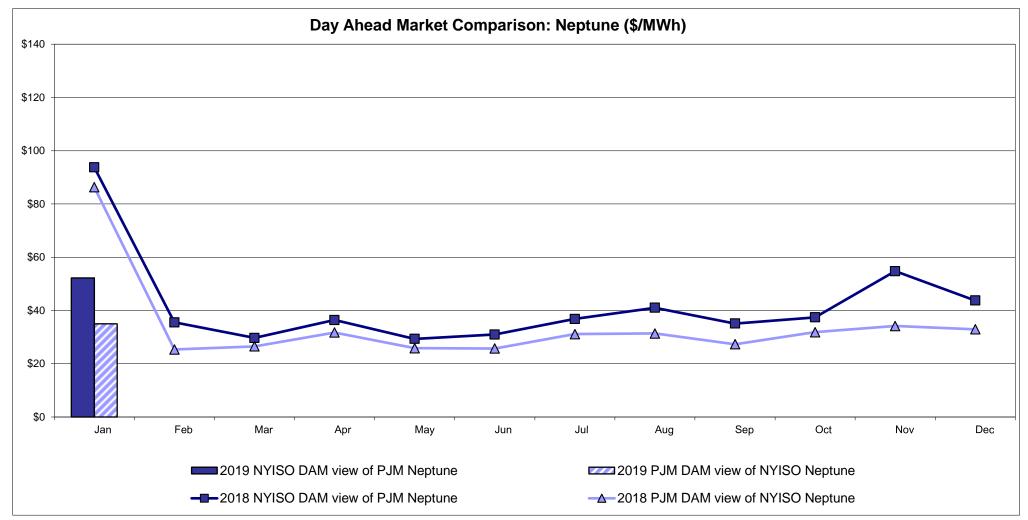
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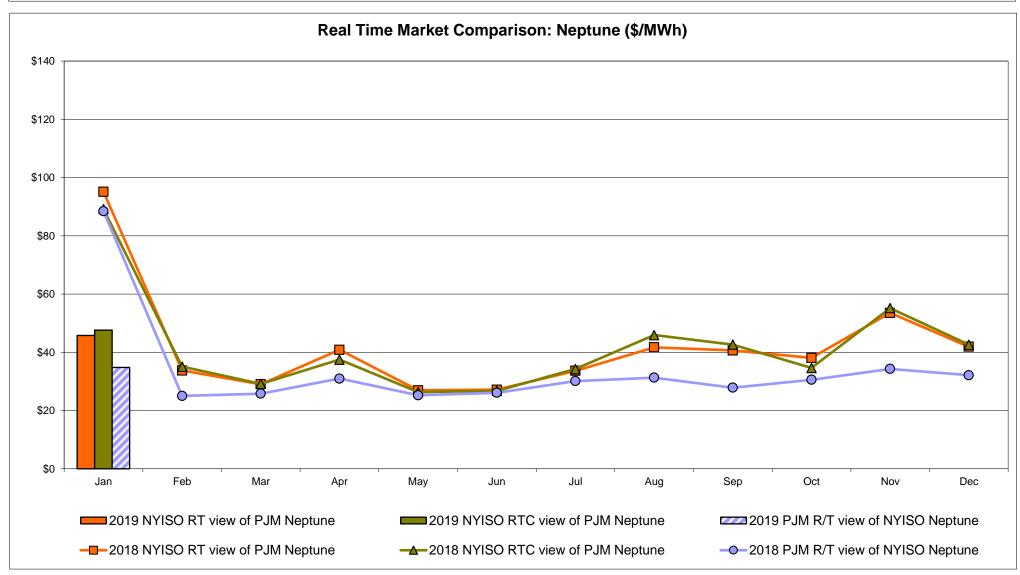
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

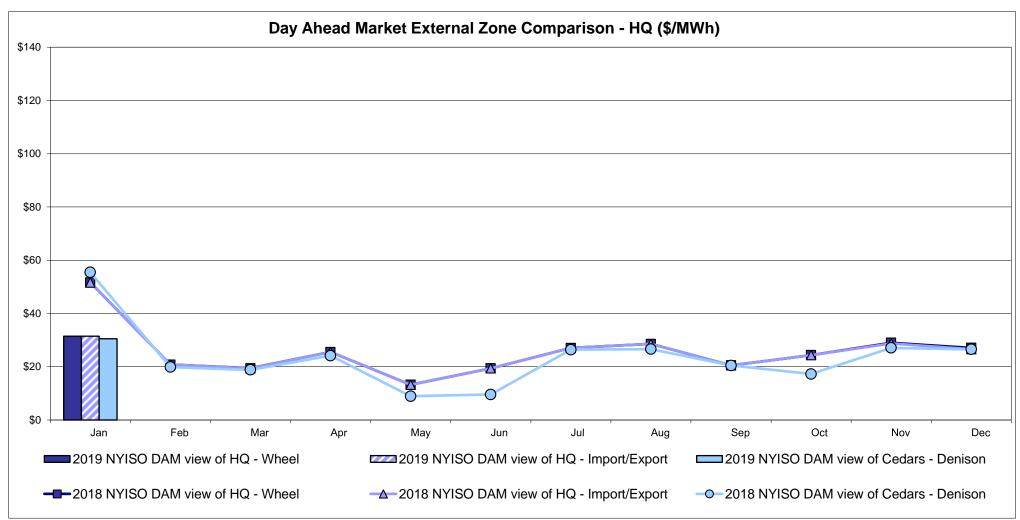
The DAM and R/T prices at the 1385 interface are used for NYISO.

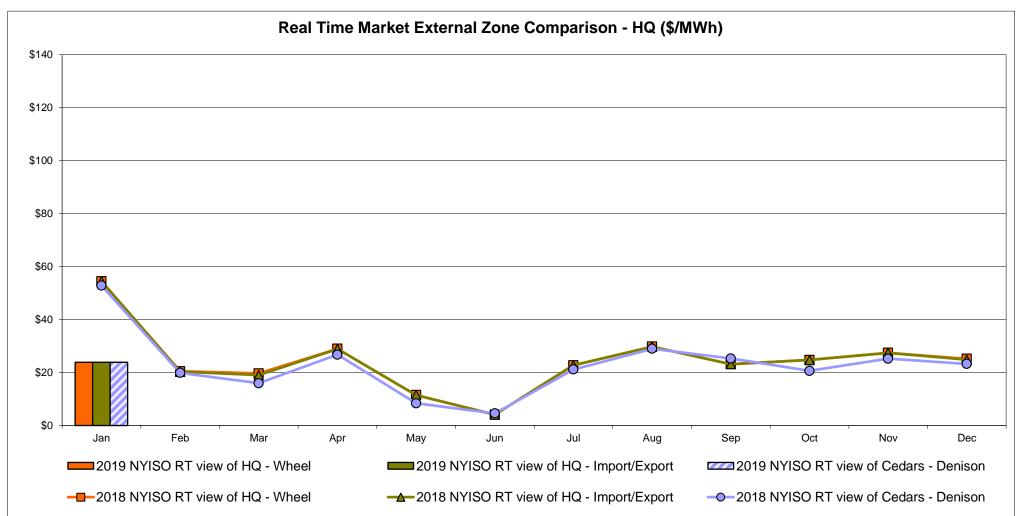
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

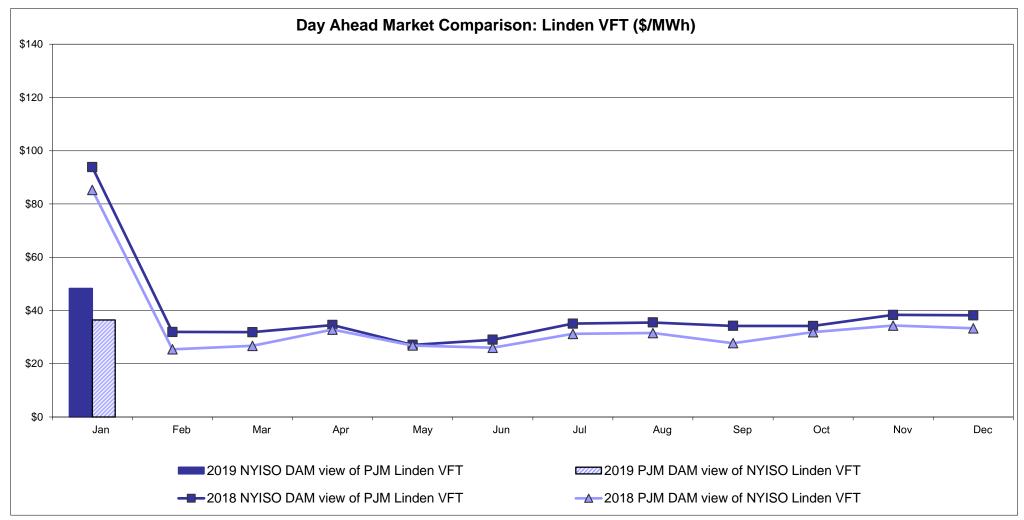


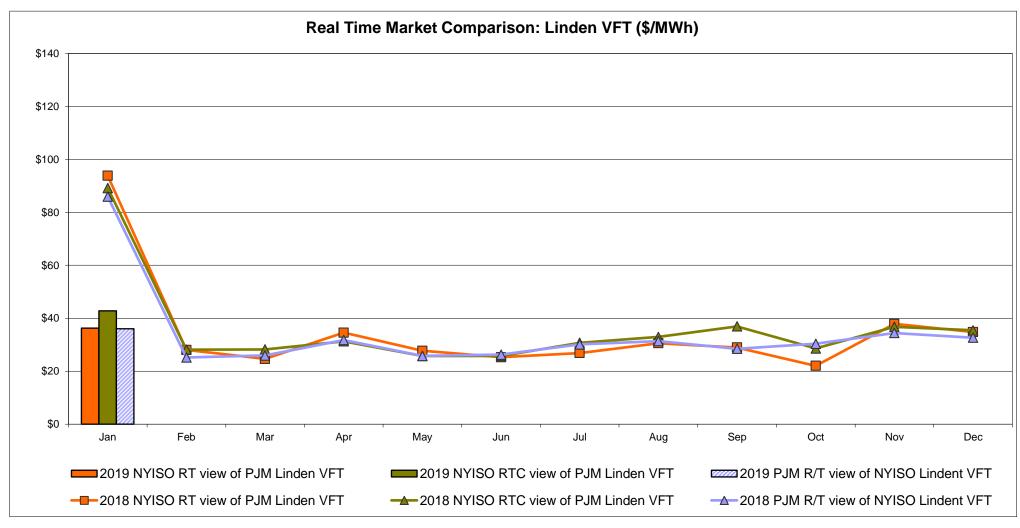


Note:

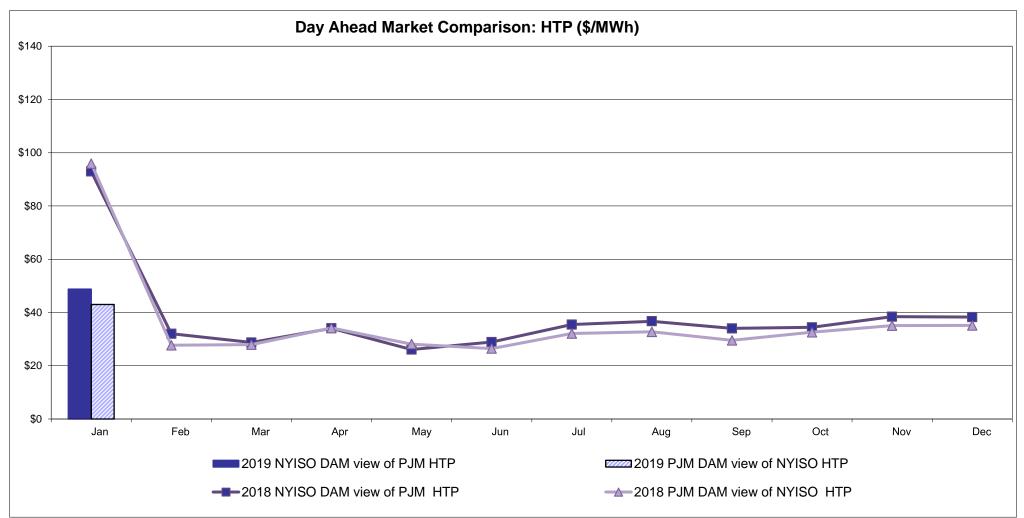
Hydro-Quebec Prices are unavailable.

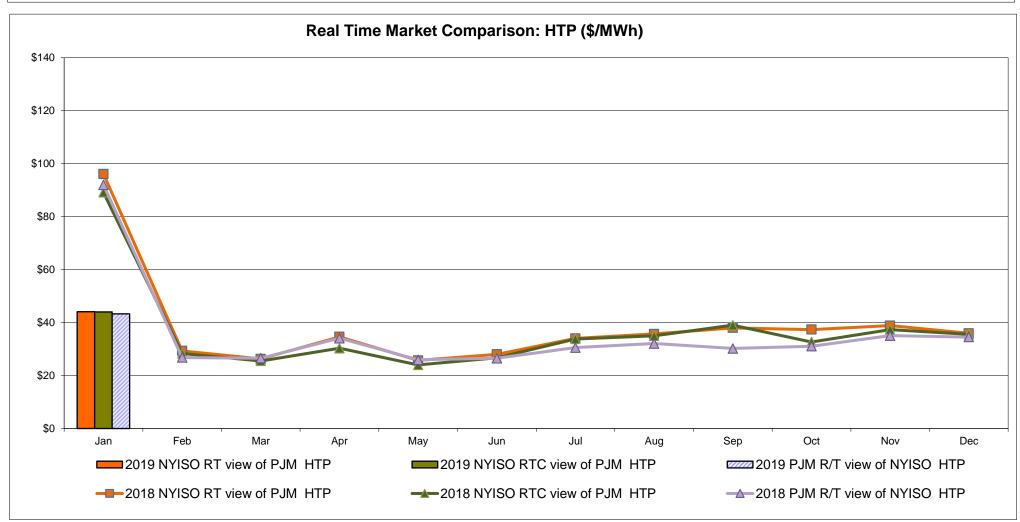
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)

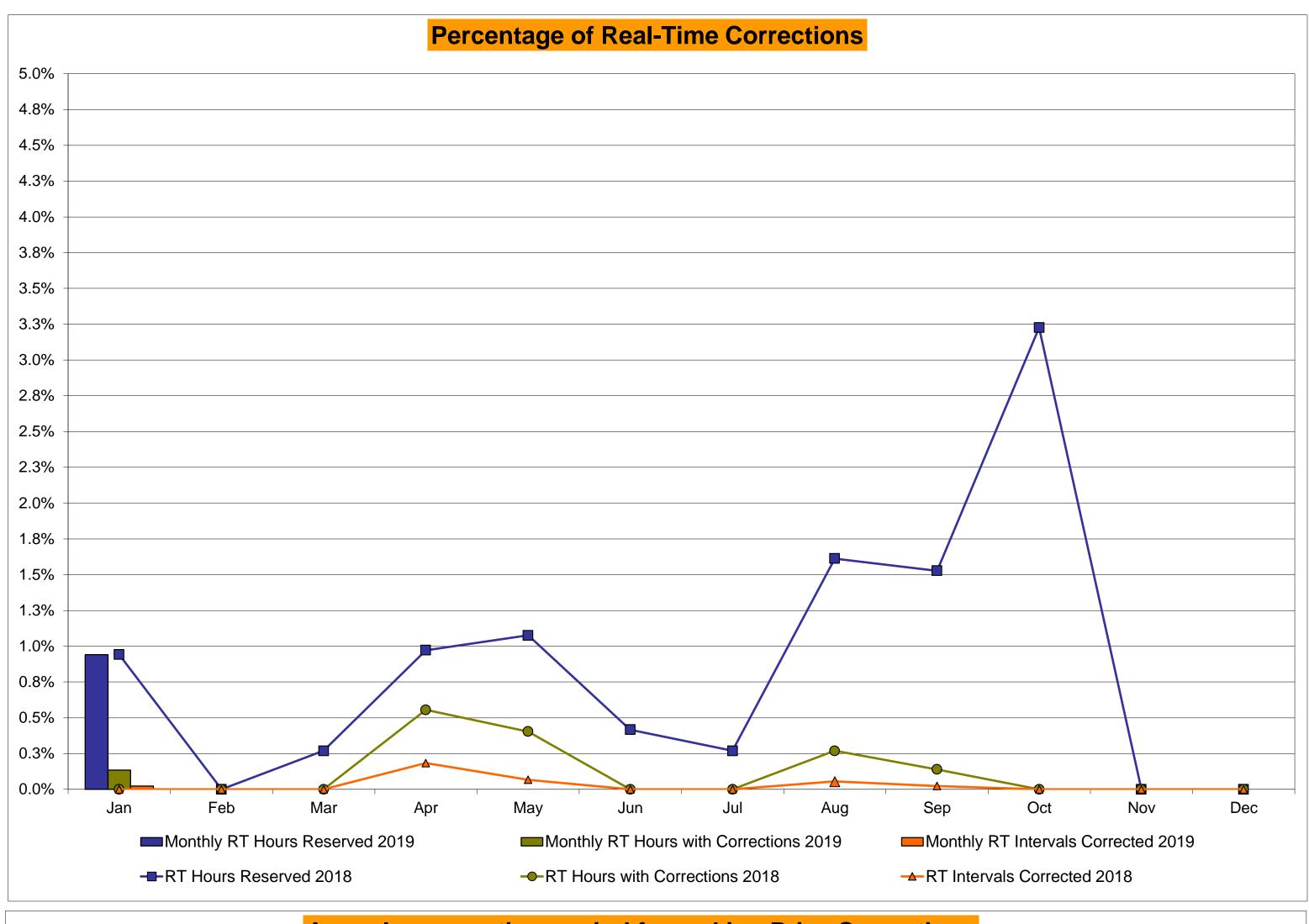


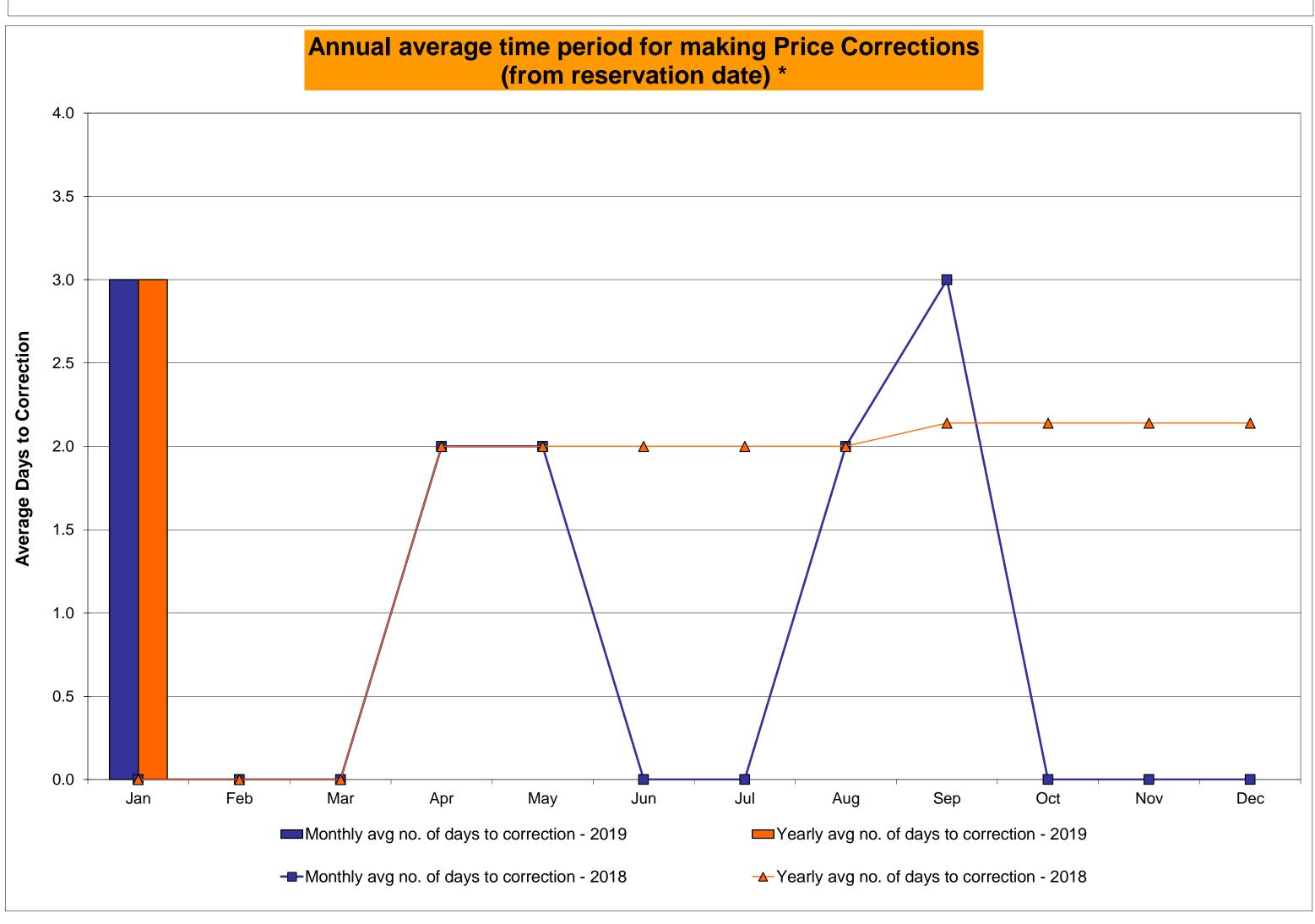


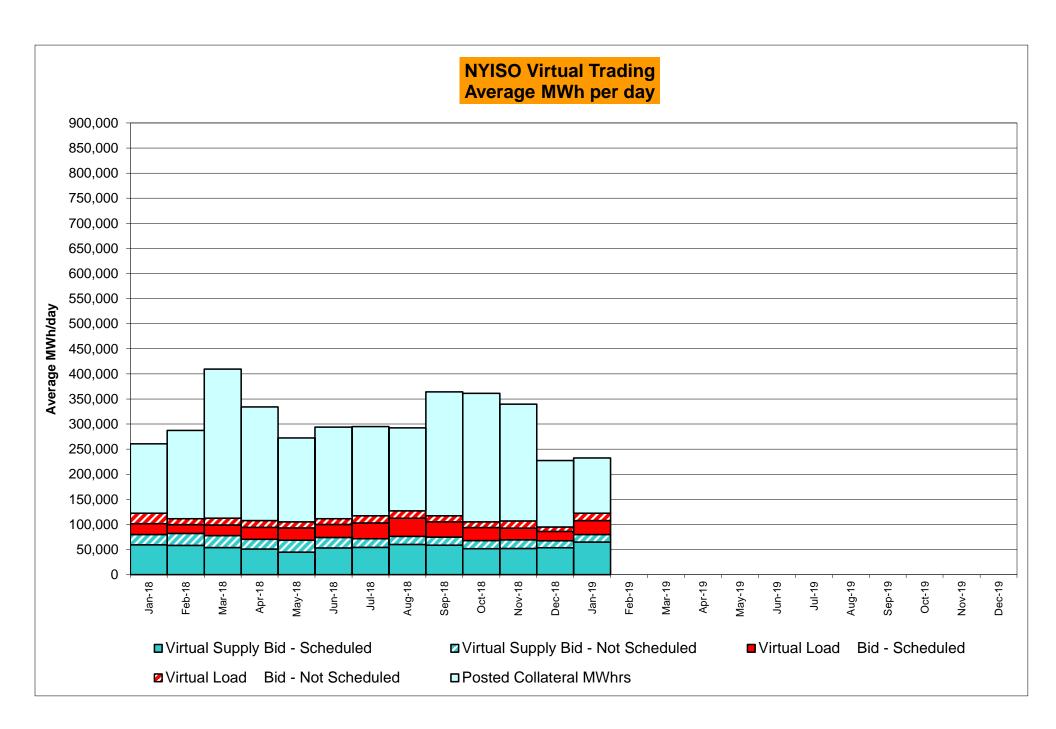
NYISO Real Time Price Correction Statistics

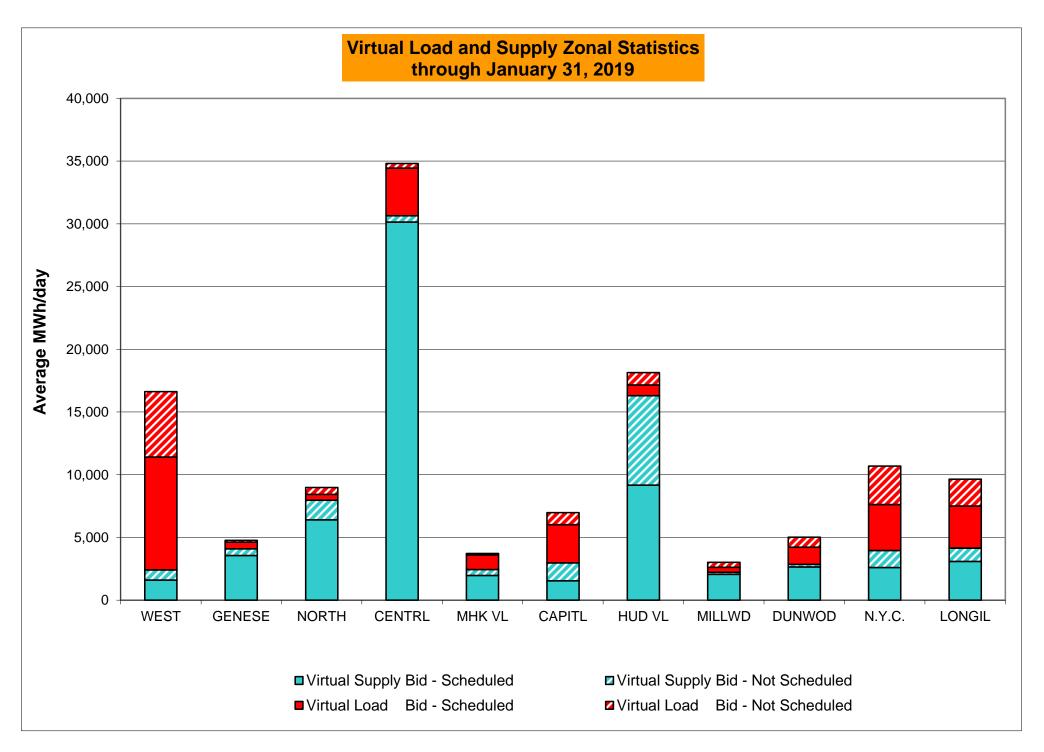
<u>2019</u>		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Hour Corrections													
Number of hours with corrections	in the month	1											
Number of hours	in the month	744											
% of hours with corrections	in the month	0.13%											
% of hours with corrections	year-to-date	0.13%											
Interval Corrections	•												
Number of intervals corrected	in the month	2											
Number of intervals	in the month	9,071											
% of intervals corrected	in the month	0.02%											
% of intervals corrected	year-to-date	0.02%											
Hours Reserved	,												
Number of hours reserved	in the month	7											
Number of hours	in the month	744											
% of hours reserved	in the month	0.94%											
% of hours reserved	year-to-date	0.94%											
Days to Correction *	year to date	0.5470											
Avg. number of days to correction	in the month	3.00											
Avg. number of days to correction	year-to-date	3.00											
Days Without Corrections	your to date	0.00											
Days without corrections	in the month	30											
Days without corrections	year-to-date	30											
2 a.ye con conconcine	,												
2018		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	July	August	September	<u>October</u>	November	December
2018 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	<u>December</u>
	in the month	<u>January</u> 0	<u>February</u> 0	March 0	<u>April</u> 4	<u>May</u> 3	<u>June</u> 0	<u>July</u> 0	August 2	September 1	October 0	November 0	<u>December</u> 0
Hour Corrections	in the month in the month				<u>April</u> 4 720					September 1 720			
Hour Corrections Number of hours with corrections		0	0	0	4	3	0	0	2	1	0	0	0
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	0 744 0.00%	0 672 0.00%	0 743 0.00%	4 720 0.56%	3 744 0.40%	0 720 0.00%	0 744 0.00%	2 744 0.27%	1 720 0.14%	0 744 0.00%	0 721 0.00%	0 744 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month	0 744	0 672	0 743	4 720	3 744	0 720	0 744	2 744	1 720	0 744	0 721	0 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections	in the month in the month year-to-date	0 744 0.00% 0.00%	0 672 0.00% 0.00%	0 743 0.00% 0.00%	4 720 0.56% 0.14%	3 744 0.40% 0.19%	0 720 0.00% 0.16%	0 744 0.00% 0.14%	2 744 0.27% 0.15%	1 720 0.14% 0.15%	0 744 0.00% 0.14%	0 721 0.00% 0.12%	0 744 0.00% 0.11%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month in the month	0 744 0.00% 0.00%	0 672 0.00% 0.00%	0 743 0.00% 0.00%	4 720 0.56% 0.14%	3 744 0.40% 0.19%	0 720 0.00% 0.16%	0 744 0.00% 0.14%	2 744 0.27% 0.15%	1 720 0.14% 0.15%	0 744 0.00% 0.14%	0 721 0.00% 0.12%	0 744 0.00% 0.11%
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	0 744 0.00% 0.00%	0 672 0.00% 0.00%	0 743 0.00% 0.00%	4 720 0.56% 0.14%	3 744 0.40% 0.19%	0 720 0.00% 0.16% 0 8,723	0 744 0.00% 0.14% 0 9,021	2 744 0.27% 0.15%	1 720 0.14% 0.15%	0 744 0.00% 0.14% 0 8,990	0 721 0.00% 0.12%	0 744 0.00% 0.11% 0 8,993
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	0 744 0.00% 0.00% 0 9,021 0.00%	0 672 0.00% 0.00% 0 8,112 0.00%	0 743 0.00% 0.00% 0 9,002 0.00%	4 720 0.56% 0.14% 16 8,717 0.18%	3 744 0.40% 0.19% 6 9,033 0.07%	0 720 0.00% 0.16% 0 8,723 0.00%	0 744 0.00% 0.14% 0 9,021 0.00%	2 744 0.27% 0.15% 5 9,071 0.06%	1 720 0.14% 0.15% 2 8,723 0.02%	0 744 0.00% 0.14% 0 8,990 0.00%	0 721 0.00% 0.12% 0 8,763 0.00%	0 744 0.00% 0.11% 0 8,993 0.00%
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	in the month in the month year-to-date in the month in the month	0 744 0.00% 0.00% 0 9,021	0 672 0.00% 0.00%	0 743 0.00% 0.00% 0 9,002	4 720 0.56% 0.14% 16 8,717	3 744 0.40% 0.19% 6 9,033	0 720 0.00% 0.16% 0 8,723	0 744 0.00% 0.14% 0 9,021	2 744 0.27% 0.15% 5 9,071	1 720 0.14% 0.15% 2 8,723	0 744 0.00% 0.14% 0 8,990	0 721 0.00% 0.12% 0 8,763	0 744 0.00% 0.11% 0 8,993
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	0 744 0.00% 0.00% 0 9,021 0.00%	0 672 0.00% 0.00% 0 8,112 0.00%	0 743 0.00% 0.00% 0 9,002 0.00%	4 720 0.56% 0.14% 16 8,717 0.18%	3 744 0.40% 0.19% 6 9,033 0.07% 0.05%	0 720 0.00% 0.16% 0 8,723 0.00% 0.04%	0 744 0.00% 0.14% 0 9,021 0.00% 0.04%	2 744 0.27% 0.15% 5 9,071 0.06% 0.04%	1 720 0.14% 0.15% 2 8,723 0.02% 0.04%	0 744 0.00% 0.14% 0 8,990 0.00% 0.03%	0 721 0.00% 0.12% 0 8,763 0.00% 0.03%	0 744 0.00% 0.11% 0 8,993 0.00% 0.03%
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	0 744 0.00% 0.00% 0 9,021 0.00% 0.00%	0 672 0.00% 0.00% 0 8,112 0.00% 0.00%	0 743 0.00% 0.00% 0 9,002 0.00% 0.00%	4 720 0.56% 0.14% 16 8,717 0.18% 0.05%	3 744 0.40% 0.19% 6 9,033 0.07% 0.05%	0 720 0.00% 0.16% 0 8,723 0.00% 0.04%	0 744 0.00% 0.14% 0 9,021 0.00% 0.04%	2 744 0.27% 0.15% 5 9,071 0.06% 0.04%	1 720 0.14% 0.15% 2 8,723 0.02% 0.04%	0 744 0.00% 0.14% 0 8,990 0.00% 0.03%	0 721 0.00% 0.12% 0 8,763 0.00% 0.03%	0 744 0.00% 0.11% 0 8,993 0.00% 0.03%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	0 744 0.00% 0.00% 0 9,021 0.00% 0.00%	0 672 0.00% 0.00% 0 8,112 0.00% 0.00%	0 743 0.00% 0.00% 0 9,002 0.00% 0.00%	4 720 0.56% 0.14% 16 8,717 0.18% 0.05%	3 744 0.40% 0.19% 6 9,033 0.07% 0.05%	0 720 0.00% 0.16% 0 8,723 0.00% 0.04%	0 744 0.00% 0.14% 0 9,021 0.00% 0.04%	2 744 0.27% 0.15% 5 9,071 0.06% 0.04%	1 720 0.14% 0.15% 2 8,723 0.02% 0.04%	0 744 0.00% 0.14% 0 8,990 0.00% 0.03% 24 744	0 721 0.00% 0.12% 0 8,763 0.00% 0.03%	0 744 0.00% 0.11% 0 8,993 0.00% 0.03%
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	0 744 0.00% 0.00% 0 9,021 0.00% 0.00%	0 672 0.00% 0.00% 0 8,112 0.00% 0.00%	0 743 0.00% 0.00% 0 9,002 0.00% 0.00%	4 720 0.56% 0.14% 16 8,717 0.18% 0.05%	3 744 0.40% 0.19% 6 9,033 0.07% 0.05%	0 720 0.00% 0.16% 0 8,723 0.00% 0.04%	0 744 0.00% 0.14% 0 9,021 0.00% 0.04%	2 744 0.27% 0.15% 5 9,071 0.06% 0.04%	1 720 0.14% 0.15% 2 8,723 0.02% 0.04%	0 744 0.00% 0.14% 0 8,990 0.00% 0.03%	0 721 0.00% 0.12% 0 8,763 0.00% 0.03%	0 744 0.00% 0.11% 0 8,993 0.00% 0.03%
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 Wors 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 year-to-date	0 744 0.00% 0.00% 0 9,021 0.00% 0.00%	0 672 0.00% 0.00% 0 8,112 0.00% 0.00%	0 743 0.00% 0.00% 0 9,002 0.00% 0.00%	4 720 0.56% 0.14% 16 8,717 0.18% 0.05%	3 744 0.40% 0.19% 6 9,033 0.07% 0.05%	0 720 0.00% 0.16% 0 8,723 0.00% 0.04%	0 744 0.00% 0.14% 0 9,021 0.00% 0.04%	2 744 0.27% 0.15% 5 9,071 0.06% 0.04%	1 720 0.14% 0.15% 2 8,723 0.02% 0.04%	0 744 0.00% 0.14% 0 8,990 0.00% 0.03% 24 744	0 721 0.00% 0.12% 0 8,763 0.00% 0.03%	0 744 0.00% 0.11% 0 8,993 0.00% 0.03%
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 *	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	0 744 0.00% 0.00% 0 9,021 0.00% 0.00% 7 744 0.94% 0.94%	0 672 0.00% 0.00% 0 8,112 0.00% 0.00% 0 672 0.00% 0.49%	0 743 0.00% 0.00% 0 9,002 0.00% 0.00% 2 743 0.27% 0.42%	4 720 0.56% 0.14% 16 8,717 0.18% 0.05% 7 720 0.97% 0.56%	3 744 0.40% 0.19% 6 9,033 0.07% 0.05% 8 744 1.08% 0.66%	0 720 0.00% 0.16% 0 8,723 0.00% 0.04% 3 720 0.42% 0.62%	0 744 0.00% 0.14% 0 9,021 0.00% 0.04% 2 744 0.27% 0.57%	2 744 0.27% 0.15% 5 9,071 0.06% 0.04% 12 744 1.61% 0.70%	1 720 0.14% 0.15% 2 8,723 0.02% 0.04% 11 720 1.53% 0.79%	0 744 0.00% 0.14% 0 8,990 0.00% 0.03% 24 744 3.23% 1.04%	0 721 0.00% 0.12% 0 8,763 0.00% 0.03% 0 721 0.00% 0.95%	0 744 0.00% 0.11% 0 8,993 0.00% 0.03% 0 744 0.00% 0.87%
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 Wof intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved More 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	0 744 0.00% 0.00% 0 9,021 0.00% 0.00% 7 744 0.94% 0.94%	0 672 0.00% 0.00% 0 8,112 0.00% 0.00% 0 672 0.00% 0.49%	0 743 0.00% 0.00% 0 9,002 0.00% 0.00% 2 743 0.27% 0.42%	4 720 0.56% 0.14% 16 8,717 0.18% 0.05% 7 720 0.97% 0.56% 2.00	3 744 0.40% 0.19% 6 9,033 0.07% 0.05% 8 744 1.08% 0.66%	0 720 0.00% 0.16% 0 8,723 0.00% 0.04% 3 720 0.42% 0.62%	0 744 0.00% 0.14% 0 9,021 0.00% 0.04% 2 744 0.27% 0.57%	2 744 0.27% 0.15% 5 9,071 0.06% 0.04% 12 744 1.61% 0.70%	1 720 0.14% 0.15% 2 8,723 0.02% 0.04% 11 720 1.53% 0.79%	0 744 0.00% 0.14% 0 8,990 0.00% 0.03% 24 744 3.23% 1.04%	0 721 0.00% 0.12% 0 8,763 0.00% 0.03% 0 721 0.00% 0.95%	0 744 0.00% 0.11% 0 8,993 0.00% 0.03% 0 744 0.00% 0.87%
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	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	0 744 0.00% 0.00% 0 9,021 0.00% 0.00% 7 744 0.94% 0.94%	0 672 0.00% 0.00% 0 8,112 0.00% 0.00% 0 672 0.00% 0.49%	0 743 0.00% 0.00% 0 9,002 0.00% 0.00% 2 743 0.27% 0.42%	4 720 0.56% 0.14% 16 8,717 0.18% 0.05% 7 720 0.97% 0.56%	3 744 0.40% 0.19% 6 9,033 0.07% 0.05% 8 744 1.08% 0.66%	0 720 0.00% 0.16% 0 8,723 0.00% 0.04% 3 720 0.42% 0.62%	0 744 0.00% 0.14% 0 9,021 0.00% 0.04% 2 744 0.27% 0.57%	2 744 0.27% 0.15% 5 9,071 0.06% 0.04% 12 744 1.61% 0.70%	1 720 0.14% 0.15% 2 8,723 0.02% 0.04% 11 720 1.53% 0.79%	0 744 0.00% 0.14% 0 8,990 0.00% 0.03% 24 744 3.23% 1.04%	0 721 0.00% 0.12% 0 8,763 0.00% 0.03% 0 721 0.00% 0.95%	0 744 0.00% 0.11% 0 8,993 0.00% 0.03% 0 744 0.00% 0.87%
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 % 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	0 744 0.00% 0.00% 0 9,021 0.00% 0.00% 7 744 0.94% 0.94% 0.94%	0 672 0.00% 0.00% 0 8,112 0.00% 0.00% 0.00% 0.49%	0 743 0.00% 0.00% 0 9,002 0.00% 0.00% 2 743 0.27% 0.42% 0.00 0.00	4 720 0.56% 0.14% 16 8,717 0.18% 0.05% 7 720 0.97% 0.56% 2.00 2.00	3 744 0.40% 0.19% 6 9,033 0.07% 0.05% 8 744 1.08% 0.66% 2.00 2.00	0 720 0.00% 0.16% 0 8,723 0.00% 0.04% 3 720 0.42% 0.62% 0.00 2.00	0 744 0.00% 0.14% 0 9,021 0.00% 0.04% 2 744 0.27% 0.57% 0.00 2.00	2 744 0.27% 0.15% 5 9,071 0.06% 0.04% 12 744 1.61% 0.70% 2.00 2.00	1 720 0.14% 0.15% 2 8,723 0.02% 0.04% 11 720 1.53% 0.79% 3.00 2.14	0 744 0.00% 0.14% 0 8,990 0.00% 0.03% 24 744 3.23% 1.04% 0.00 2.14	0 721 0.00% 0.12% 0 8,763 0.00% 0.03% 0 721 0.00% 0.95% 0.00 2.14	0 744 0.00% 0.11% 0 8,993 0.00% 0.03% 0 744 0.00% 0.87% 0.00 2.14
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 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	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	0 744 0.00% 0.00% 0 9,021 0.00% 0.00% 7 744 0.94% 0.94%	0 672 0.00% 0.00% 0 8,112 0.00% 0.00% 0 672 0.00% 0.49%	0 743 0.00% 0.00% 0 9,002 0.00% 0.00% 2 743 0.27% 0.42%	4 720 0.56% 0.14% 16 8,717 0.18% 0.05% 7 720 0.97% 0.56% 2.00	3 744 0.40% 0.19% 6 9,033 0.07% 0.05% 8 744 1.08% 0.66%	0 720 0.00% 0.16% 0 8,723 0.00% 0.04% 3 720 0.42% 0.62%	0 744 0.00% 0.14% 0 9,021 0.00% 0.04% 2 744 0.27% 0.57%	2 744 0.27% 0.15% 5 9,071 0.06% 0.04% 12 744 1.61% 0.70%	1 720 0.14% 0.15% 2 8,723 0.02% 0.04% 11 720 1.53% 0.79%	0 744 0.00% 0.14% 0 8,990 0.00% 0.03% 24 744 3.23% 1.04%	0 721 0.00% 0.12% 0 8,763 0.00% 0.03% 0 721 0.00% 0.95%	0 744 0.00% 0.11% 0 8,993 0.00% 0.03% 0 744 0.00% 0.87%

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

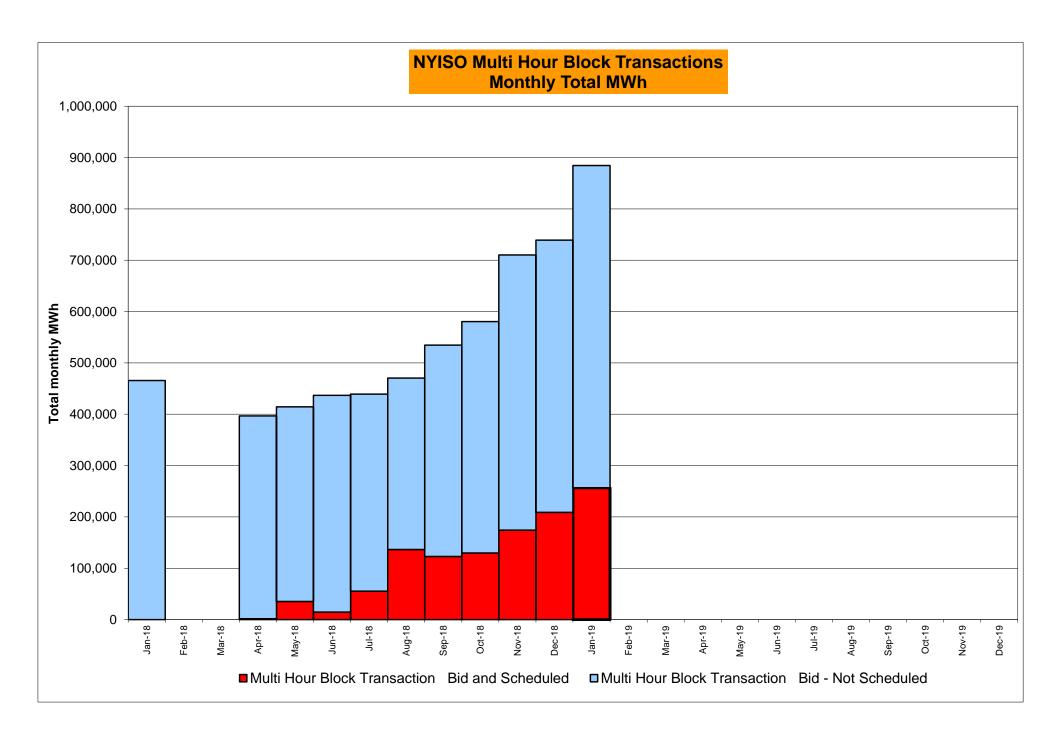


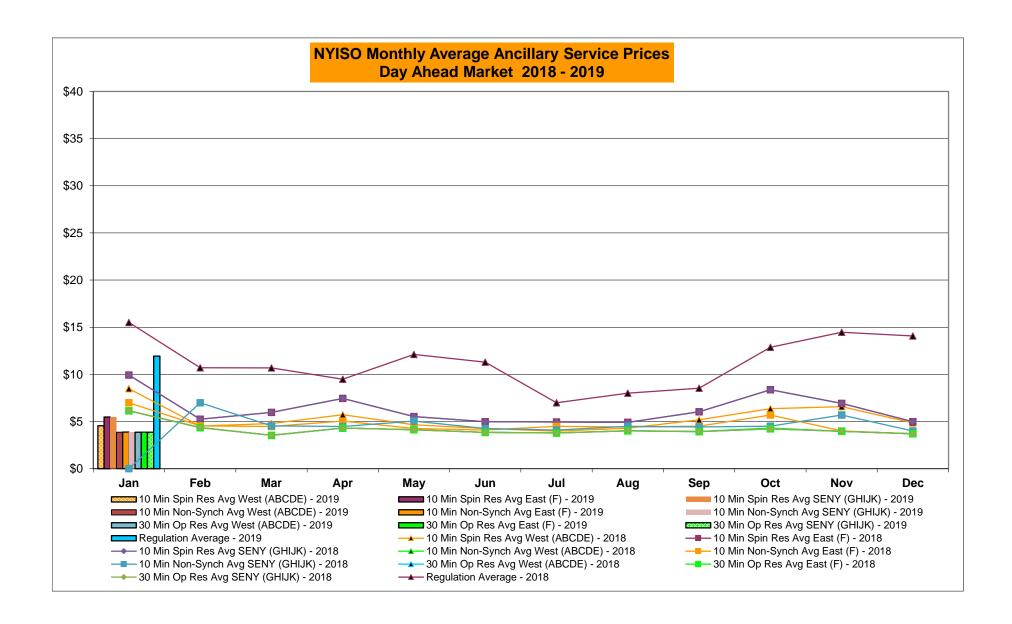


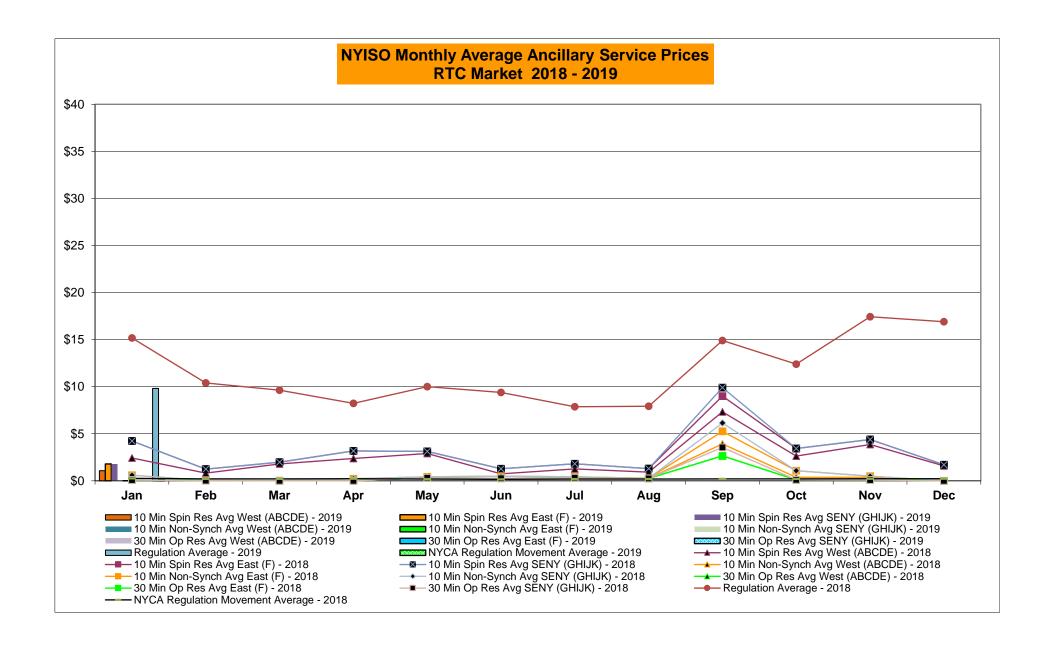


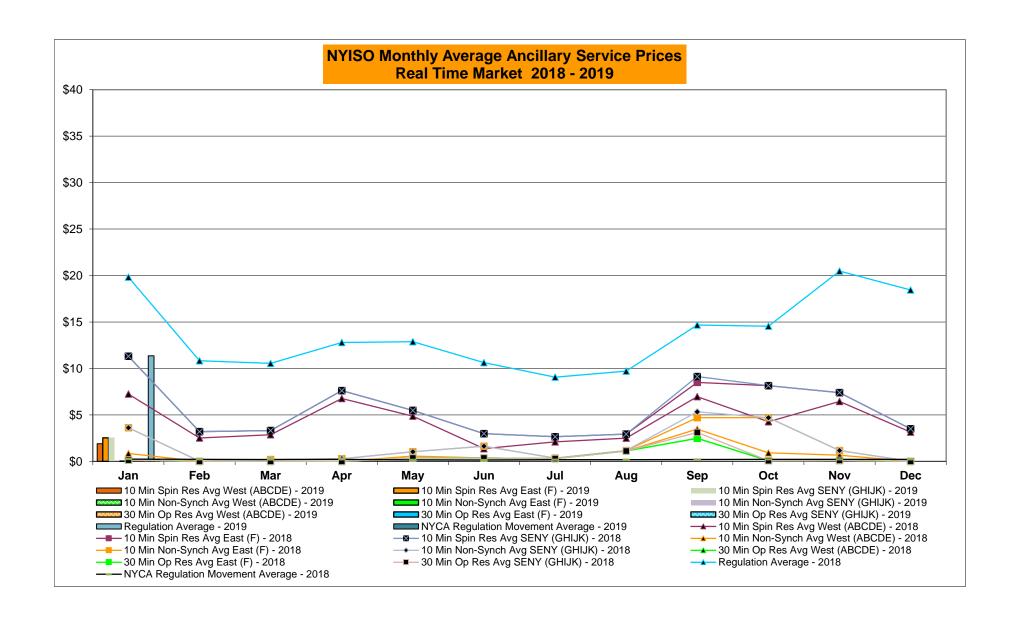


					Virtual L	oad and	Supp	oly Zonal	Statistic	s (Avera	ge MWh/da	ay) - 2019	9				
		Virtual L	oad Bid	Virtual S	upply Bid			Virtual L	_oad Bid	Virtual S	upply Bid			Virtual I	_oad Bid	Virtual Su	upply Bid
			Not		Not				Not		Not				Not		Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled		Scheduled	Scheduled	Zone	Date	Scheduled		Scheduled	Scheduled
WEST	Jan-19		5,211			MHK VL	Jan-19					DUNWOD					203
	Feb-19		,				Feb-19						Feb-19				
	Mar-19						Mar-19						Mar-19				
	Apr-19						Apr-19						Apr-19				
	May-19						May-19						May-19				
	Jun-19						Jun-19						Jun-19				
	Jul-19						Jul-19						Jul-19				
	Aug-19						Aug-19						Aug-19				
	Sep-19						Sep-19						Sep-19				
	Oct-19						Oct-19						Oct-19				
	Nov-19						Nov-19						Nov-19				
	Dec-19						Dec-19						Dec-19				
GENESE	Jan-19	527	153	3,560	529	CAPITL	Jan-19	3,042	962	1,550	1,424	N.Y.C.	Jan-19	3,665	3,061	2,599	1,366
	Feb-19						Feb-19						Feb-19				
	Mar-19						Mar-19						Mar-19				
	Apr-19						Apr-19						Apr-19				
	May-19						May-19						May-19				
	Jun-19						Jun-19						Jun-19				
	Jul-19						Jul-19						Jul-19				
	Aug-19						Aug-19						Aug-19				
	Sep-19						Sep-19						Sep-19				
	Oct-19						Oct-19						Oct-19				
	Nov-19						Nov-19						Nov-19				
	Dec-19						Dec-19						Dec-19				
NORTH	Jan-19	484	540	6,406	1,553	HUD VL	Jan-19		980	9,176	7,130	LONGIL	Jan-19		2,135	3,091	1,056
	Feb-19						Feb-19						Feb-19				
	Mar-19						Mar-19						Mar-19				
	Apr-19					_	Apr-19						Apr-19				
	May-19					_	May-19						May-19				
	Jun-19						Jun-19						Jun-19				
	Jul-19						Jul-19						Jul-19				
	Aug-19						Aug-19						Aug-19				
	Sep-19						Sep-19						Sep-19				
	Oct-19 Nov-19					_	Oct-19 Nov-19						Oct-19 Nov-19				
	Dec-19					_	Dec-19						Dec-19				
	Dec-19						Dec-19						Dec-19				
CENTRL	Jan-19	3,795	374	30,145	507	MILLWD	Jan-19	405	386	2,051	169	NYISO	Jan-19	27,683	14,720	64,802	15,203
	Feb-19			20,110			Feb-19						Feb-19		,	0 1,000	10,20
	Mar-19						Mar-19						Mar-19				
	Apr-19						Apr-19						Apr-19				
	May-19						May-19						May-19				
	Jun-19						Jun-19						Jun-19				
	Jul-19						Jul-19						Jul-19				
	Aug-19						Aug-19						Aug-19				
	Sep-19						Sep-19						Sep-19				
	Oct-19						Oct-19						Oct-19				
	Nov-19						Nov-19						Nov-19				
	Dec-19						Dec-19						Dec-19				



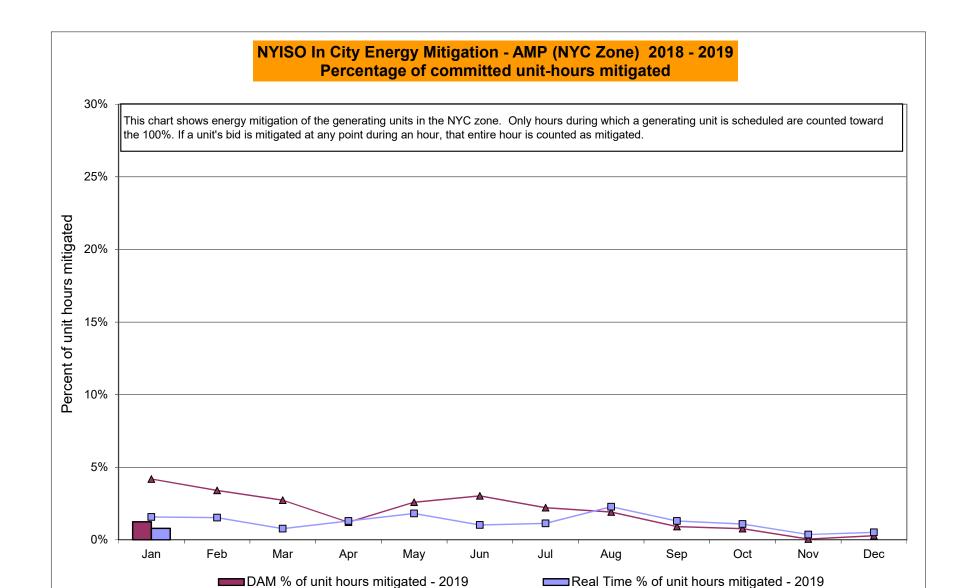






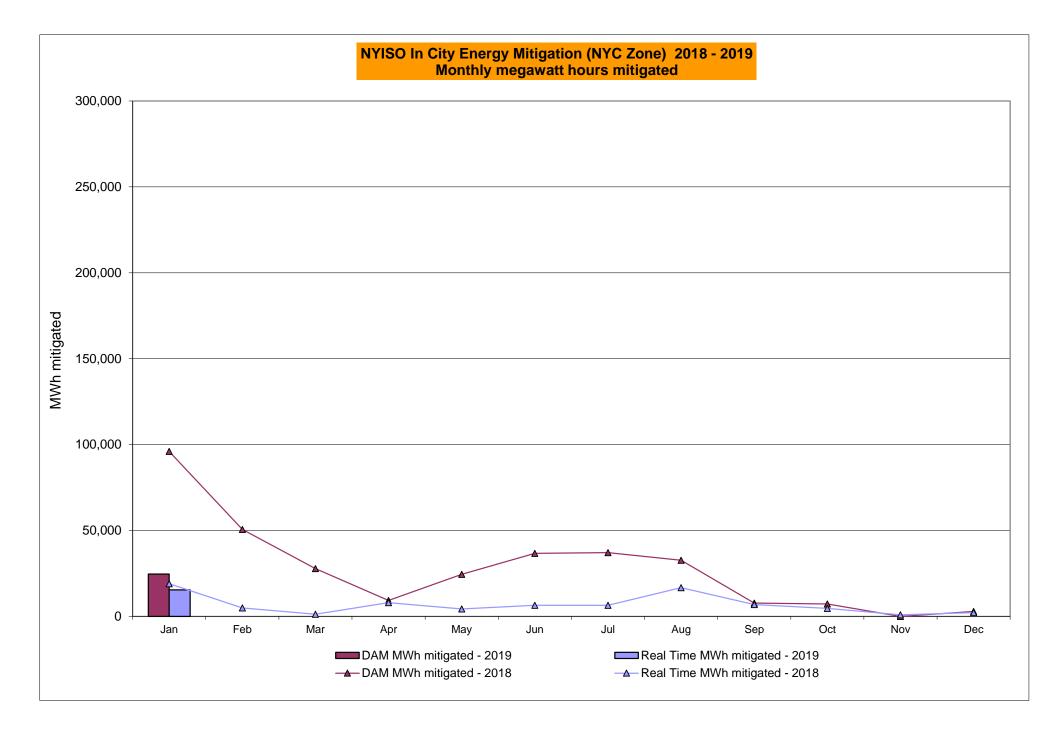
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

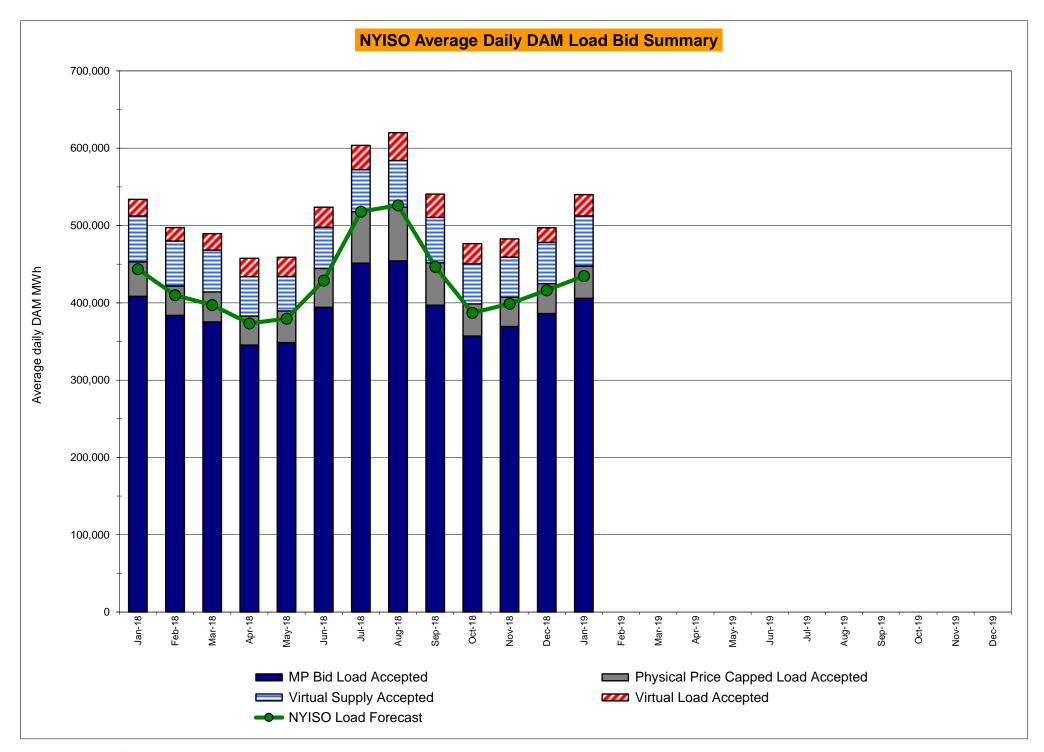
			4			<u> </u>	<u>.g</u>					
<u>2019</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	<u>December</u>
Day Ahead Market	-											· · · · · · · · · · · · · · · · · · ·
10 Min Spin SENY (GHIJK)	5.47											
10 Min Spin East (F)	5.47											
10 Min Spin West (ABCDE)	4.56											
10 Min Non Synch SENY (GHIJK)	3.88											
10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	3.88 3.86											
30 Min SENY (GHIJK)	3.86											
30 Min East (F)	3.86											
30 Min West (ABCDE)	3.86											
Regulation	11.94											
RTC Market												
10 Min Spin SENY (GHIJK)	1.80											
10 Min Spin East (F)	1.80											
10 Min Spin Last (1)	1.08											
10 Min Non Synch SENY (GHIJK)	0.01											
10 Min Non Synch East (F)	0.01											
10 Min Non Synch West (ABCDE)	0.00											
30 Min SENY (GHIJK)	0.00											
30 Min East (F)	0.00											
30 Min West (ABCDE)	0.00											
Regulation	9.81											
NYCA Regulation Movement	0.23											
Real Time Market												
10 Min Spin SENY (GHIJK)	2.53											
10 Min Spin East (F)	2.53											
10 Min Spin West (ABCDE)	1.89											
10 Min Non Synch SENY (GHIJK)	0.03											
10 Min Non Synch East (F)	0.03											
10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK)	0.00 0.00											
30 Min East (F)	0.00											
30 Min West (ABCDE)	0.00											
Regulation	11.36											
NYCA Regulation Movement	0.22											
2018	<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												
<u>Day Ahead Market</u> 10 Min Spin SENY (GHIJK)	9.93	5.24	5.97	7.45	5.52	4.98	4.95	4.91	6.04	8.37	6.93	4.99
<u>Day Ahead Market</u> 10 Min Spin SENY (GHIJK) 10 Min Spin East (F)	9.93 9.93	5.24 5.24	5.97 5.97	7.45 7.45	5.52 5.52	4.98 4.98	4.95 4.95	4.91 4.91	6.04 6.04	8.37 8.37	6.93 6.93	4.99 4.99
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	9.93 9.93 8.49	5.24 5.24 4.53	5.97 5.97 4.78	7.45 7.45 5.73	5.52 5.52 4.65	4.98 4.98 4.26	4.95 4.95 3.98	4.91 4.91 4.30	6.04 6.04 5.18	8.37 8.37 6.36	6.93 6.93 6.57	4.99 4.99 4.86
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK)	9.93 9.93 8.49 6.99	5.24 5.24 4.53 4.54	5.97 5.97 4.78 4.48	7.45 7.45 5.73 5.05	5.52 5.52 4.65 4.26	4.98 4.98 4.26 4.09	4.95 4.95 3.98 4.49	4.91 4.91 4.30 4.43	6.04 6.04 5.18 4.51	8.37 8.37 6.36 5.69	6.93 6.93 6.57 4.00	4.99 4.99 4.86 3.71
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F)	9.93 9.93 8.49 6.99 6.99	5.24 5.24 4.53 4.54	5.97 5.97 4.78 4.48 4.48	7.45 7.45 5.73 5.05 5.05	5.52 5.52 4.65 4.26 4.26	4.98 4.98 4.26 4.09 4.09	4.95 4.95 3.98 4.49 4.49	4.91 4.91 4.30 4.43 4.43	6.04 6.04 5.18 4.51 4.51	8.37 8.37 6.36 5.69 5.69	6.93 6.93 6.57 4.00 4.00	4.99 4.99 4.86 3.71 3.71
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK)	9.93 9.93 8.49 6.99	5.24 5.24 4.53 4.54	5.97 5.97 4.78 4.48	7.45 7.45 5.73 5.05	5.52 5.52 4.65 4.26	4.98 4.98 4.26 4.09	4.95 4.95 3.98 4.49	4.91 4.91 4.30 4.43	6.04 6.04 5.18 4.51	8.37 8.37 6.36 5.69	6.93 6.93 6.57 4.00	4.99 4.99 4.86 3.71
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	9.93 9.93 8.49 6.99 6.99 6.15	5.24 5.24 4.53 4.54 4.54 4.36	5.97 5.97 4.78 4.48 4.48 3.54	7.45 7.45 5.73 5.05 5.05 4.31	5.52 5.52 4.65 4.26 4.26 4.13	4.98 4.98 4.26 4.09 4.09 3.85	4.95 4.95 3.98 4.49 4.49 3.80	4.91 4.91 4.30 4.43 4.43 4.03	6.04 6.04 5.18 4.51 4.51 3.95	8.37 8.37 6.36 5.69 5.69 4.31	6.93 6.93 6.57 4.00 4.00 3.97	4.99 4.99 4.86 3.71 3.71 3.70
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK)	9.93 9.93 8.49 6.99 6.15 6.14	5.24 5.24 4.53 4.54 4.54 4.36	5.97 5.97 4.78 4.48 4.48 3.54 3.54	7.45 7.45 5.73 5.05 5.05 4.31 4.31	5.52 5.52 4.65 4.26 4.26 4.13 4.13	4.98 4.98 4.26 4.09 4.09 3.85 3.85	4.95 4.95 3.98 4.49 4.49 3.80 3.79	4.91 4.91 4.30 4.43 4.43 4.03 4.02	6.04 6.04 5.18 4.51 4.51 3.95 3.94	8.37 8.37 6.36 5.69 5.69 4.31 4.22	6.93 6.93 6.57 4.00 4.00 3.97 3.97	4.99 4.99 4.86 3.71 3.71 3.70 3.70
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F)	9.93 9.93 8.49 6.99 6.15 6.14 6.14	5.24 5.24 4.53 4.54 4.54 4.36 4.36	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31	5.52 5.52 4.65 4.26 4.26 4.13 4.13	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22	6.93 6.93 6.57 4.00 4.00 3.97 3.97	4.99 4.99 4.86 3.71 3.71 3.70 3.70
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE)	9.93 9.93 8.49 6.99 6.99 6.15 6.14 6.14	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31	5.52 5.52 4.65 4.26 4.26 4.13 4.13 4.13	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 3.85	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97	4.99 4.99 4.86 3.71 3.70 3.70 3.70 3.70
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK)	9.93 9.93 8.49 6.99 6.99 6.15 6.14 6.14 15.51	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49	5.52 5.52 4.65 4.26 4.26 4.13 4.13 4.13 12.11	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 12.88	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 14.47	4.99 4.99 4.86 3.71 3.70 3.70 3.70 3.70 14.07
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F)	9.93 9.93 8.49 6.99 6.99 6.15 6.14 6.14 15.51	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49	5.52 5.52 4.65 4.26 4.26 4.13 4.13 4.13 4.13 12.11	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47	4.99 4.99 4.86 3.71 3.70 3.70 3.70 3.70 14.07
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	9.93 9.93 8.49 6.99 6.99 6.15 6.14 6.14 15.51	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49 3.17 3.17 2.38	5.52 5.52 4.65 4.26 4.26 4.13 4.13 4.13 4.13 12.11	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 14.47 4.39 4.39 3.85	4.99 4.99 4.86 3.71 3.70 3.70 3.70 3.70 14.07
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE)	9.93 9.93 8.49 6.99 6.99 6.15 6.14 6.14 15.51 4.23 4.23 2.43 0.59	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68 1.98 1.79 0.01	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22	5.52 5.52 4.65 4.26 4.26 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99 1.81 1.81 1.27 0.42	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 3.43 2.63 1.07	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50	4.99 4.99 4.86 3.71 3.70 3.70 3.70 3.70 14.07
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK)	9.93 9.93 8.49 6.99 6.99 6.15 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.01	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.22	5.52 5.52 4.65 4.26 4.26 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99 1.81 1.27 0.42 0.42	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.27	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 12.88 3.43 3.43 2.63 1.07 1.07	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50	4.99 4.89 4.86 3.71 3.70 3.70 3.70 3.70 14.07
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch East (F)	9.93 9.93 8.49 6.99 6.99 6.15 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03 0.02	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 10.68 1.98 1.98 1.79 0.01 0.01 0.00	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.22 0.00	5.52 5.52 4.65 4.26 4.26 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99 1.81 1.27 0.42 0.42 0.33	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.27 0.25	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 3.43 2.63 1.07 1.07 0.38	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.38	4.99 4.99 4.86 3.71 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE)	9.93 9.93 8.49 6.99 6.99 6.15 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03 0.02 0.02	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.01 0.00 0.00	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.22 0.00 0.00	5.52 5.52 4.65 4.26 4.13 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33 0.32	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.33 0.33	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.27 0.25 0.25	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 3.43 2.63 1.07 1.07 0.38 0.11	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.38 0.09	4.99 4.89 4.86 3.71 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F)	9.93 9.93 8.49 6.99 6.99 6.15 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08 0.08	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03 0.02 0.02 0.02	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68 1.98 1.98 1.79 0.01 0.00 0.00 0.00	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.22 0.00 0.00 0.00	5.52 5.52 4.65 4.26 4.26 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33 0.32 0.32	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.42 0.33 0.33 0.33	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.27 0.25 0.25 0.25	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 2.63 1.07 1.07 0.38 0.11 0.11	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.38 0.09 0.09	4.99 4.89 4.86 3.71 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min SENY (GHIJK)	9.93 9.93 8.49 6.99 6.15 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08 0.08	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03 0.02 0.02 0.02 0.02	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.01 0.00 0.00 0.00 0.00	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.22 0.00 0.00 0.00	5.52 5.52 4.65 4.26 4.26 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33 0.32 0.32 0.32	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27 0.27	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 3.79 6.99 1.81 1.27 0.42 0.42 0.42 0.33 0.33 0.33 0.33	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.25 0.25 0.25 0.25	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65 2.65	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 2.63 1.07 1.07 0.38 0.11 0.11	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.38 0.09 0.09	4.99 4.89 4.86 3.71 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F)	9.93 9.93 8.49 6.99 6.99 6.15 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08 0.08	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03 0.02 0.02 0.02	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68 1.98 1.98 1.79 0.01 0.00 0.00 0.00	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.22 0.00 0.00 0.00	5.52 5.52 4.65 4.26 4.26 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33 0.32 0.32	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.42 0.33 0.33 0.33	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.27 0.25 0.25 0.25	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 2.63 1.07 1.07 0.38 0.11 0.11	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.38 0.09 0.09	4.99 4.89 4.86 3.71 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) Regulation NYCA Regulation Movement	9.93 9.93 8.49 6.99 6.99 6.15 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08 0.08 0.08	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03 0.02 0.02 0.02 0.02 10.40	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.01 0.00 0.00 0.00 0.00 9.63	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49 3.17 2.38 0.22 0.22 0.22 0.00 0.00 0.00 0.00 8.22	5.52 5.52 4.65 4.26 4.13 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.42 0.33 0.32 0.32 0.32 10.01	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27 0.27 0.27 9.39	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.42 0.33 0.33 0.33 0.33 7.87	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.27 0.25 0.25 0.25 7.92	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65 2.65 14.90	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 2.63 1.07 1.07 0.38 0.11 0.11 0.11	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.38 0.09 0.09 17.43	4.99 4.89 4.86 3.71 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market	9.93 9.93 8.49 6.99 6.99 6.15 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08 0.08 0.08	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03 0.02 0.02 0.02 0.02 10.40	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.01 0.00 0.00 0.00 0.00 9.63	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49 3.17 2.38 0.22 0.22 0.22 0.00 0.00 0.00 0.00 8.22	5.52 5.52 4.65 4.26 4.13 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.42 0.33 0.32 0.32 0.32 10.01	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27 0.27 0.27 9.39	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.42 0.33 0.33 0.33 0.33 7.87	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.27 0.25 0.25 0.25 7.92	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65 2.65 14.90	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 2.63 1.07 1.07 0.38 0.11 0.11 0.11	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.38 0.09 0.09 17.43	4.99 4.89 4.86 3.71 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) Regulation NYCA Regulation Movement	9.93 9.93 8.49 6.99 6.15 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08 0.08 0.08 0.08 15.17 0.26	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03 0.02 0.02 0.02 0.02 10.40 0.21	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.00 0.00 0.00 0.00 0.00 9.63 0.20	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.22 0.00 0.00 0.00 0.00 0.00 8.22 0.22	5.52 5.52 4.65 4.26 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33 0.32 0.32 0.32 10.01 0.19	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27 0.27 9.39 0.16	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.42 0.33 0.33 0.33 0.33 7.87 0.19	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.25 0.25 0.25 7.92 0.19	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65 2.65 14.90 0.20	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 2.63 1.07 1.07 0.38 0.11 0.11 0.11 12.40 0.21	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.38 0.09 0.09 17.43 0.22	4.99 4.89 4.86 3.71 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min SENY (GHIJK) 30 Min East (F) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)	9.93 9.93 8.49 6.99 6.15 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08 0.08 0.08 0.08 15.17 0.26	5.24 5.24 4.53 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03 0.02 0.02 0.02 0.02 10.40 0.21	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.01 0.00 0.00 0.00 0.00 9.63 0.20	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.22 0.00 0.00 0.00 0.00 0.00 8.22 0.22 7.62	5.52 5.52 4.65 4.26 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33 0.32 0.32 0.32 10.01 0.19	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.33 0.33 0.33 0.33 7.87 0.19	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.27 0.25 0.25 0.25 7.92 0.19	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65 2.65 14.90 0.20	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 2.63 1.07 1.07 0.38 0.11 0.11 0.11 12.40 0.21	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 4.39 3.85 0.50 0.50 0.50 0.38 0.09 0.09 17.43 0.22	4.99 4.89 4.86 3.71 3.70 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK)	9.93 9.93 8.49 6.99 6.15 6.14 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08 0.08 0.08 0.08 15.17 0.26	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03 0.02 0.02 0.02 0.02 10.40 0.21	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.00 0.00 0.00 0.00 0.00 9.63 0.20	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.02 0.00 0.00 0.00 0.00 0.00 0.0	5.52 5.52 4.65 4.26 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33 0.32 0.32 0.32 10.01 0.19	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.27	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.33 0.33 0.33 0.33 7.87 0.19 2.65 2.65	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 0.93 0.27 0.25 0.25 0.25 0.25 7.92 0.19	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65 2.65 14.90 0.20	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 2.63 1.07 1.07 0.38 0.11 0.11 0.11 12.40 0.21	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.38 0.09 0.09 17.43 0.22	4.99 4.86 3.71 3.70 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00 16.90 0.22
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE)	9.93 9.93 8.49 6.99 6.15 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08 0.08 0.08 15.17 0.26 11.31 11.31 7.24 3.61 3.61	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.02 0.02 0.02 0.02 0.02 10.40 0.21 3.19 3.19 2.52 0.01 0.01	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 1.98 1.79 0.01 0.00 0.00 0.00 0.00 0.00 0.00 9.63 0.20 3.31 3.31 3.31 2.86 0.19 0.19	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 4.31 9.49 3.17 2.38 0.22 0.22 0.00 0.00 0.00 0.00 0.00 0.0	5.52 5.52 4.65 4.26 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.42 0.33 0.32 0.32 0.32 0.32 10.01 0.19 5.48 5.48 4.86 1.03 1.03	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27 0.27 0.27 9.39 0.16 2.98 2.98 1.37 1.63 1.63	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.33 0.33 0.33 0.33 7.87 0.19 2.65 2.65 2.10 0.35 0.35	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 0.93 0.27 0.25 0.25 0.25 0.25 7.92 0.19 2.93 2.93 2.50 1.16 1.16	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65 2.65 14.90 0.20 9.13 8.50 6.96 5.33 4.70	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 3.43 2.63 1.07 1.07 0.38 0.11 0.11 12.40 0.21 8.14 8.14 4.26 4.70 4.70	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.50 0.38 0.09 0.09 17.43 0.22 7.39 7.39 6.45 1.16	4.99 4.86 3.71 3.70 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min SENY (GHIJK) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Spin West (ABCDE)	9.93 9.93 8.49 6.99 6.15 6.14 6.14 6.14 15.51 4.23 2.43 0.59 0.59 0.08 0.08 0.08 0.08 15.17 0.26 11.31 11.31 7.24 3.61 3.61 0.85	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03 0.02 0.02 0.02 0.02 10.40 0.21 3.19 3.19 2.52 0.01 0.01 0.00	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.00 0.00 0.00 0.00 0.00 9.63 0.20 3.31 3.31 2.86 0.19 0.19 0.09	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.02 0.00 0.00 0.00 0.00 0.00 0.0	5.52 5.52 4.65 4.26 4.13 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33 0.32 0.32 0.32 0.32 10.01 0.19 5.48 4.86 1.03 1.03 0.57	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27 0.27 0.27 0.27 0.27 1.63 1.63 1.63 0.37	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.33 0.33 0.33 0.33 7.87 0.19 2.65 2.65 2.10 0.35 0.35 0.29	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.25 0.25 0.25 0.25 7.92 0.19 2.93 2.93 2.50 1.16 1.16 1.12	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65 2.65 14.90 0.20 9.13 8.50 6.96 5.33 4.70 3.47	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 2.63 1.07 1.07 0.38 0.11 0.11 12.40 0.21 8.14 8.14 4.26 4.70 4.70 0.92	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 4.39 3.85 0.50 0.50 0.50 0.38 0.09 0.09 17.43 0.22 7.39 7.39 6.45 1.16 1.16 0.67	4.99 4.86 3.71 3.70 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00 16.90 0.22 3.49 3.49 3.15 0.00 0.00 0.00 0.00 0.00
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK)	9.93 9.93 8.49 6.99 6.15 6.14 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08 0.08 0.08 15.17 0.26 11.31 11.31 7.24 3.61 3.61 0.85 0.13	5.24 5.24 4.53 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.03 0.02 0.02 0.02 0.02 10.40 0.21 3.19 3.19 2.52 0.01 0.00 0.00 0.00	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.00 0.00 0.00 0.00 0.00 9.63 0.20 3.31 3.31 2.86 0.19 0.09 0.00 0.00	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.22 0.00 0.00 0.00 0.00 0.00 0.0	5.52 5.52 4.65 4.26 4.13 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33 0.32 0.32 0.32 0.32 10.01 0.19 5.48 5.48 4.86 1.03 1.03 0.57 0.37	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27 0.27 0.27 0.27 0.27 1.63 1.63 1.63 1.63 0.37 0.37	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.33 0.33 0.33 0.33 0.33 7.87 0.19 2.65 2.65 2.10 0.35 0.29 0.29	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 0.93 0.27 0.25 0.25 0.25 0.25 7.92 0.19 2.93 2.93 2.50 1.16 1.16 1.12 1.12	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65 2.65 14.90 0.20 9.13 8.50 6.96 5.33 4.70 3.47 3.11	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 2.63 1.07 1.07 0.38 0.11 0.11 12.40 0.21 8.14 8.14 4.26 4.70 4.70 0.92 0.06	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 4.39 3.85 0.50 0.50 0.50 0.38 0.09 0.09 17.43 0.22 7.39 7.39 6.45 1.16 1.16 0.67 0.10	4.99 4.86 3.71 3.70 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK)	9.93 9.93 8.49 6.99 6.15 6.14 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08 0.08 0.08 15.17 0.26 11.31 11.31 7.24 3.61 3.61 0.85 0.13 0.13	5.24 5.24 4.53 4.54 4.36 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.02 0.02 0.02 0.02 0.02 10.40 0.21 3.19 3.19 2.52 0.01 0.00	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.00 0.00 0.00 0.00 0.00 9.63 0.20 3.31 3.31 2.86 0.19 0.09 0.09 0.09 0.09	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.22 0.00 0.00 0.00 0.00 0.00 0.0	5.52 5.52 4.65 4.26 4.13 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33 0.32 0.32 0.32 10.01 0.19 5.48 5.48 4.86 1.03 1.03 0.57 0.37	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27 0.27 0.27 0.27 0.27 1.63 1.63 1.63 0.37 0.37 0.37	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.42 0.33 0.33 0.33 0.33 7.87 0.19 2.65 2.65 2.10 0.35 0.29 0.29 0.29	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.25 0.25 0.25 0.25 7.92 0.19 2.93 2.93 2.50 1.16 1.12 1.12 1.12	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65 2.65 14.90 0.20 9.13 8.50 6.96 5.33 4.70 3.47 3.11 2.48	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 2.63 1.07 1.07 0.38 0.11 0.11 12.40 0.21 8.14 8.14 4.26 4.70 4.70 0.92 0.06 0.06	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.38 0.09 0.09 17.43 0.22 7.39 7.39 6.45 1.16 1.16 0.67 0.10	4.99 4.86 3.71 3.70 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00 16.90 0.22 3.49 3.49 3.15 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min SENY (GHIJK) 30 Min East (F)	9.93 9.93 8.49 6.99 6.15 6.14 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.08 0.08 0.08 0.08 15.17 0.26 11.31 11.31 7.24 3.61 3.61 0.85 0.13 0.13	5.24 5.24 4.53 4.54 4.54 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.02 0.02 0.02 0.02 0.02 10.40 0.21 3.19 3.19 2.52 0.01 0.01 0.00 0.00 0.00 0.00 0.00 0.0	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.00 0.00 0.00 0.00 0.00 9.63 0.20 3.31 3.31 3.31 2.86 0.19 0.09 0.09 0.09 0.09 0.09 0.09	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.22 0.00 0.00 0.00 0.00 0.00 0.0	5.52 5.52 4.65 4.26 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33 0.32 0.32 0.32 0.32 10.01 0.19 5.48 5.48 4.86 1.03 1.03 0.57 0.37 0.37	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27 0.27 0.27 0.27 0.27 1.63 1.63 1.63 1.63 0.37 0.37 0.37	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.42 0.33 0.33 0.33 0.33 7.87 0.19 2.65 2.65 2.10 0.35 0.29 0.29 0.29 0.29	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.25 0.25 0.25 0.25 7.92 0.19 2.93 2.93 2.50 1.16 1.12 1.12 1.12	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65 2.65 14.90 0.20 9.13 8.50 6.96 5.33 4.70 3.47 3.11 2.48 2.48	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 3.43 2.63 1.07 1.07 0.38 0.11 0.11 12.40 0.21 8.14 8.14 4.26 4.70 4.70 0.92 0.06 0.06 0.06	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.38 0.09 0.09 17.43 0.22 7.39 7.39 6.45 1.16 1.16 0.67 0.10 0.10	4.99 4.86 3.71 3.70 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00 16.90 0.22 3.49 3.49 3.15 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK)	9.93 9.93 8.49 6.99 6.15 6.14 6.14 6.14 15.51 4.23 4.23 2.43 0.59 0.59 0.08 0.08 0.08 15.17 0.26 11.31 11.31 7.24 3.61 3.61 0.85 0.13 0.13	5.24 5.24 4.53 4.54 4.36 4.36 4.36 4.36 4.36 10.70 1.24 1.24 0.82 0.03 0.02 0.02 0.02 0.02 0.02 10.40 0.21 3.19 3.19 2.52 0.01 0.00	5.97 5.97 4.78 4.48 4.48 3.54 3.54 3.54 3.54 10.68 1.98 1.79 0.01 0.00 0.00 0.00 0.00 0.00 9.63 0.20 3.31 3.31 2.86 0.19 0.09 0.09 0.09 0.09	7.45 7.45 5.73 5.05 5.05 4.31 4.31 4.31 4.31 9.49 3.17 3.17 2.38 0.22 0.22 0.00 0.00 0.00 0.00 0.00 0.0	5.52 5.52 4.65 4.26 4.13 4.13 4.13 4.13 12.11 3.13 3.13 2.91 0.42 0.42 0.33 0.32 0.32 0.32 10.01 0.19 5.48 5.48 4.86 1.03 1.03 0.57 0.37	4.98 4.98 4.26 4.09 4.09 3.85 3.85 3.85 3.85 11.30 1.28 1.28 0.74 0.49 0.49 0.27 0.27 0.27 0.27 0.27 0.27 0.27 1.63 1.63 1.63 0.37 0.37 0.37	4.95 4.95 3.98 4.49 4.49 3.80 3.79 3.79 6.99 1.81 1.81 1.27 0.42 0.42 0.42 0.33 0.33 0.33 0.33 7.87 0.19 2.65 2.65 2.10 0.35 0.29 0.29 0.29	4.91 4.91 4.30 4.43 4.43 4.03 4.02 4.02 4.02 8.00 1.29 1.29 0.93 0.27 0.25 0.25 0.25 0.25 7.92 0.19 2.93 2.93 2.50 1.16 1.12 1.12 1.12	6.04 6.04 5.18 4.51 4.51 3.95 3.94 3.94 3.94 8.54 9.90 9.00 7.33 6.14 5.25 3.92 3.55 2.65 2.65 14.90 0.20 9.13 8.50 6.96 5.33 4.70 3.47 3.11 2.48	8.37 8.37 6.36 5.69 5.69 4.31 4.22 4.22 4.22 12.88 3.43 2.63 1.07 1.07 0.38 0.11 0.11 12.40 0.21 8.14 8.14 4.26 4.70 4.70 0.92 0.06 0.06	6.93 6.93 6.57 4.00 4.00 3.97 3.97 3.97 3.97 14.47 4.39 4.39 3.85 0.50 0.50 0.38 0.09 0.09 17.43 0.22 7.39 7.39 6.45 1.16 1.16 0.67 0.10	4.99 4.86 3.71 3.70 3.70 3.70 3.70 3.70 14.07 1.71 1.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00 16.90 0.22 3.49 3.49 3.15 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0

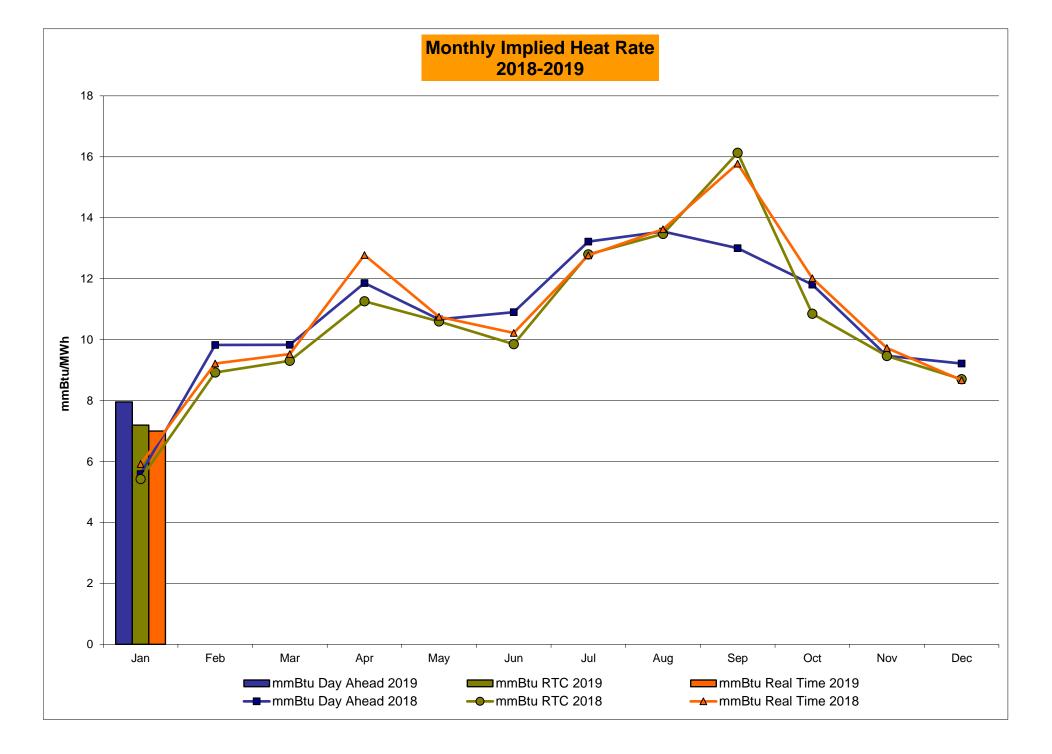


—■ Real Time % of unit hours mitigated - 2018

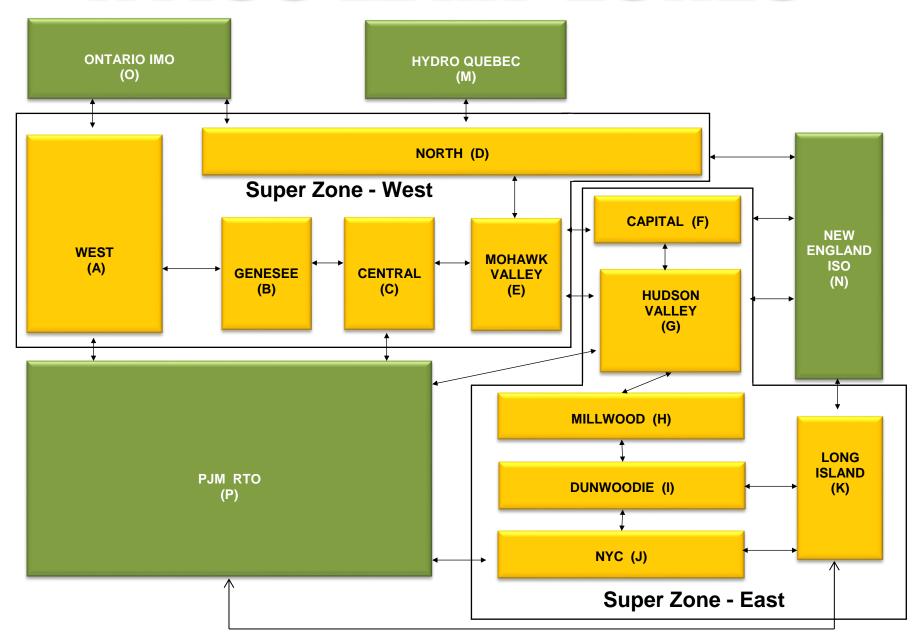
→ DAM % of unit hours mitigated - 2018







NYISO LBMP ZONES



Billing Codes for Chart C

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

Market Mitigation and Analysis Prepared: 2/8/2019 11:10 AM

The Mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefits 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 policy makers, stakeholders and investors in the power system



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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
04/15/2019	NYISO compliance with Order No. 845 regarding reform of generator interconnection procedures and agreements	RM17-8-000

Recently Issued Orders

Filing	Filing Summary	Docket	Order	Order
Date	(Order Issued)	Number	Date	Summary
	NYISO 205 filing re: revisions to the Public Policy			-
	Transmission Planning Process portion of its			
	Comprehensive System Planning Process, as well as to its			
	pro forma non-incumbent transmission owner operating			Order accepted filing effective 02/10/2019, as
12/11/2018	agreement	ER19-528-000	02/08/2019	requested
	NYISO 205 filing re: small generator interconnection			
	agreement (SA 2436) among the NYISO, LIPA and			Order accepted filing effective 11/29/2018, as
12/18/2018	Riverhead Solar Farm, LLC	ER19-589-000	02/01/2019	requested
	NYISO motion to intervene and comment re: NYSRC filing			Order accepted NYSRC filing effective 02/15/2019,
01/08/2019	of a 17.0% IRM for the 2019-2020 Capability Year	ER19-659-000	02/08/2019	as requested

Recently Submitted Filings

Filing	Filing Summary	Docket
Date		Number
01/22/2019	NYISO filing to the PSC re: comments in support of the PSC NOPR in "Proposed Public Policy Transmission Needs/Public	PSC Case No.
	Policy Requirements"	18-E-0623
01/23/2019	NYISO filing to the PSC re: comments in support of the proposed rulemaking on the New York State Reliability Council's	PSC Case No.
	establishment of an Installed Reserve Margin of 17.0% for the New York Control Area	07-E-0088
02/01/2019	NYISO motion to intervene and comment re: Con Edison request for tariff waiver concerning correction of LSE bus metering data for April 2018	ER19-814-000
02/04/2019	NYISO initial brief re: response to 12/20/2018 order denying NRG tariff waiver request and establishing a paper hearing concerning NYISO's current metering requirements	EL18-188-000

FINAL

02/05/2019	NYISO filing re: notice to FERC concerning successful deployment of software fix to address an offer cap implementation concern that arose from NYISO's response to Order No. 831	ER17-1561-003
02/11/2019	NYISO errata filing re: notice to FERC concerning successful deployment of software fix to address an offer cap implementation concern that arose from NYISO's response to Order No. 831	ER17-1561-003
02/12/2019	NYISO filing re: Notice of Termination from the ISO-Administered Markets of BBPC, LLC dba Great Eastern Energy	No Docket No.