NYISO CEO/COO Report

Bradley Jones President & Chief Executive Officer **Rick Gonzales** Senior Vice President & Chief Operating Officer

Management Committee Meeting:

July 26, 2017, Rensselaer, NY



NYISO CEO/COO Report

CEO Report

COO Report

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



Market Performance Highlights June 2017

- LBMP for June is \$31.76/MWh; higher than \$31.74/MWh in May 2017 and \$27.35/MWh in June 2016.
 - Day Ahead Load Weighted LBMPs are higher and Real Time Load Weighted LBMPs are higher compared to May.
- June 2017 average year-to-date monthly cost of \$36.01/MWh is a 20% increase from \$29.93/MWh in June 2016.
- Average daily sendout is 454 GWh/day in June; higher than 383 GWh/day in May 2017 and lower than 456 GWh/day in June 2016.
- Natural gas prices and distillate prices were lower compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$2.35/MMBtu, down from \$2.80/MMBtu in May.
 - Natural gas prices are up 27.5% year-over-year.
 - Jet Kerosene Gulf Coast was \$9.59/MMBtu, down from \$10.47/MMBtu in May.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$10.14/MMBtu, down from \$10.82/MMBtu in May.
 - Distillate prices are down 5.4% year-over-year.
- Uplift per MWh is lower compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.37)/MWh; lower than \$0.10/MWh in May.
 - Local Reliability Share is \$0.15/MWh, lower than \$0.24/MWh in May.
 - Statewide Share is (\$0.52)/MWh, lower than (\$0.13)/MWh in May.
 - TSA \$ per NYC MWh is \$0.56/MWh.
- Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than May.



* Excludes ICAP payments.

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2017	January	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	December
LBMP	40.07	30.95	34.97	31.06	31.74	31.76						
NTAC	0.66	1.11	0.86	1.05	0.79	0.62						
Reserve	0.70	0.67	0.74	0.70	0.61	0.55						
Regulation	0.14	0.12	0.13	0.17	0.16	0.13						
NYISO Cost of Operations	0.65	0.65	0.65	0.65	0.62	0.63						
FERC Fee Recovery	0.09	0.10	0.10	0.12	0.10	0.09						
Uplift	(0.73)	(0.54)	(0.46)	0.12	0.10	(0.37)						
Uplift: Local Reliability Share	0.10	0.13	0.21	0.20	0.24	0.15						
Uplift: Statewide Share	(0.83)	(0.67)	(0.67)	(0.08)	(0.13)	(0.52)						
Voltage Support and Black Start	0.37	0.37	0.38	0.38	0.38	0.38						
Avg Monthly Cost	41.96	33.44	37.38	34.26	34.52	33.80						
Avg YTD Cost	41.96	38.02	37.81	37.05	36.54	36.01						
TSA \$ per NYC MWh	0.00	0.00	0.00	0.08	0.12	0.56						
2016	January	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	luno	h dv	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
LBMP	34.29	<u>1 ebruary</u> 28.71	20.66	27.96	23.31	<u>June</u> 27.35	<u>July</u> 40.01	42.99	<u>30.89</u>	22.33	26.31	43.90
NTAC	0.59	0.78	0.62	1.14	1.10	0.93	0.78	42.99 0.54	0.55	0.86	0.79	43.90
Reserve	0.39	0.78	0.02	0.87	0.71	0.59	0.78	0.54	0.69	0.80	0.79	0.63
Regulation	0.12	0.73	0.73	0.07	0.71	0.12	0.07	0.00	0.09	0.17	0.08	0.03
NYISO Cost of Operations	0.12	0.12	0.12	0.12	0.65	0.12	0.10	0.10	0.10	0.13	0.13	0.17
FERC Fee Recovery	0.04	0.03	0.03	0.04	0.03	0.00	0.03	0.05	0.04	0.04	0.04	0.04
Uplift	(0.43)	(0.07)	(0.03)	(0.34)	0.09	0.09	(0.26)	(0.63)	(0.15)	(0.09)	(0.42)	
Uplift: Local Reliability Share	0.09	0.11	0.06	0.07	0.19	0.20	0.23	0.22	0.13)	(0.09) 0.15	(0.42)	(0.33) 0.10
Uplift: Statewide Share		(0.18)	(0.09)	(0.41)	(0.16)	(0.01)	(0.49)	(0.86)	(0.29)	(0.24)	(0.49)	
Voltage Support and Black Start	(0.52) 0.35	0.36	0.36	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36	(0.43) 0.35
Avg Monthly Cost	36.42	31.37	23.23	30.84	26.52	30.29	42.40	44.75	33.16	25.12	28.61	46.42
Avg YTD Cost	36.42	34.02	30.68	30.71	29.85	29.93	32.32	34.43	34.31	33.54	33.16	34.28
TSA \$ per NYC MWh	0.00	0.00	0.05	0.00	0.00	0.02	0.84	1.64	0.00	0.00	0.00	0.00
2015	<u>January</u>	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
LBMP	59.61	114.37	52.09	28.36	32.98	28.20	34.77	33.09	34.40	30.05	24.83	20.91
NTAC	0.32	0.35	0.41	0.64	0.56	0.80	0.54	0.60	0.63	0.53	0.68	1.05
Reserve	0.02	0.37	0.56	0.36	0.38	0.24	0.27	0.00	0.28	0.33	0.00	0.60
Regulation	0.27	0.18	0.00	0.12	0.10	0.13	0.12	0.20	0.20	0.20	0.47	0.00
NYISO Cost of Operations	0.70	0.70	0.70	0.72	0.70	0.70	0.70	0.72	0.70	0.69	0.70	0.69
Uplift	(0.48)	(1.08)	(0.68)	(0.15)	0.26	0.33	0.04	0.03	(0.15)	0.00	0.44	(0.07)
Uplift: Local Reliability Share	0.25	0.33	0.13	0.27	0.30	0.37	0.35	0.36	0.22	0.33	0.20	0.12
Uplift: Statewide Share	(0.73)	(1.41)	(0.81)	(0.42)	(0.05)	(0.04)	(0.30)	(0.33)	(0.37)	(0.23)	0.25	(0.12)
Voltage Support and Black Start	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.29	0.38
Avg Monthly Cost	60.91	115.27	53.58	30.41	35.37	30.79	36.84	35.14	36.35	32.18	27.64	23.71
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Avg YTD Cost	60.91	87.74	76.64	66.82	60.96	56.02	52.77	50.20	48.59	47.17	45.66	44.10
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.17	0.50	0.07	0.06	0.01	0.00	0.00	0.00

* Excludes ICAP payments. Market Mitigation and Analysis Prepared: 7/10/2017 11:21 AM

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

As of Jan. 2016, the annual FERC fee is recovered separately from Cost of Ops.



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

2017	loouon/		Marah	A pril		luno	luk.	August	Santambar	Octobor	November	December
<u>2017</u>	January	February	March	<u>April</u>	<u>May</u>	June	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Day Ahead Market MWh	14,135,019	12,565,206	13,983,865	12,061,475		14,406,180						
DAM LSE Internal LBMP Energy Sales	57%	57%	55%	54%	58%	60%						
DAM External TC LBMP Energy Sales	2%	2%	1%	1%	1%	1%						
DAM Bilateral - Internal Bilaterals	32%	32%	34%	35%	33%	31%						
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	5%	6%	4%	5%						
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	2%						
DAM Bilateral - Wheel Through Bilaterals	2%	2%	2%	2%	2%	2%						<u> </u>
Balancing Energy Market MWh	-256,448	-407,284	-509,053	-466,426	-666,048	-564,312						
Balancing Energy LSE Internal LBMP Energy Sales	-157%	-132%	-148%	-115%	-120%	-114%						
Balancing Energy External TC LBMP Energy Sales	64%	39%	44%	22%	28%	23%						
Balancing Energy Bilateral - Internal Bilaterals	15%	8%	12%	5%	1%	4%						
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	4%	0%	0%	0%	0%						
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	10%	7%	5%	4%	3%	3%						
Balancing Energy Bilateral - Wheel Through Bilaterals	-32%	-26%	-13%	-15%	-12%	-16%						
Transactions Summary												
LBMP	58%	57%	55%	54%	58%	60%						
Internal Bilaterals	33%	34%	36%	37%	34%	32%						
Import Bilaterals	5%	5%	5%	6%	4%	5%						
Export Bilaterals	2%	2%	2%	2%	2%	2%						
Wheels Through	2%	2%	2%	2%	2%	1%						
Market Share of Total Load												
Day Ahead Market	101.8%	103.3%	103.8%	104.0%	105.4%	104.1%						
Balancing Energy +	-1.8%	-3.3%	-3.8%	-4.0%	-5.4%	-4.1%						
Total MWH	13,878,571	12,157,922		11,595,049								
Average Daily Energy Sendout/Month GWh	431	418	419	377	383	454						
2016	lonuoru	Fobruory	Marah	April	Mov	lupo	luk <i>i</i>	August	Sontombor	Octobor	Novombor	December
2016	January	February	March	<u>April</u>	<u>May</u>	June	<u>July</u>	August	September	October	November	December
Day Ahead Market MWh	14,760,915	13,614,754	13,413,781	12,496,141	12,959,886	14,095,904	16,950,819	17,413,898	14,563,318	13,014,354	12,770,775	14,245,185
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales	14,760,915 54%	13,614,754 55%	13,413,781 55%	12,496,141 57%	12,959,886 58%	14,095,904 60%	16,950,819 64%	17,413,898 63%	14,563,318 60%	13,014,354 56%	12,770,775 56%	14,245,185 58%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales	14,760,915 54% 4%	13,614,754 55% 2%	13,413,781 55% 1%	12,496,141 57% 5%	12,959,886 58% 2%	14,095,904 60% 1%	16,950,819 64% 1%	17,413,898 63% 3%	14,563,318 60% 3%	13,014,354 56% 2%	12,770,775 56% 2%	14,245,185 58% 3%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals	14,760,915 54% 4% 34%	13,614,754 55% 2% 34%	13,413,781 55% 1% 35%	12,496,141 57% 5% 28%	12,959,886 58% 2% 31%	14,095,904 60% 1% 30%	16,950,819 64% 1% 28%	17,413,898 63% 3% 27%	14,563,318 60% 3% 30%	13,014,354 56% 2% 33%	12,770,775 56% 2% 32%	14,245,185 58% 3% 31%
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	14,760,915 54% 4% 34% 5%	13,614,754 55% 2% 34% 5%	13,413,781 55% 1% 35% 5%	12,496,141 57% 5% 28% 6%	12,959,886 58% 2% 31% 5%	14,095,904 60% 1% 30% 5%	16,950,819 64% 1% 28% 4%	17,413,898 63% 3% 27% 4%	14,563,318 60% 3% 30% 5%	13,014,354 56% 2% 33% 5%	12,770,775 56% 2% 32% 5%	14,245,185 58% 3% 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	14,760,915 54% 4% 34% 5% 2%	13,614,754 55% 2% 34% 5% 1%	13,413,781 55% 1% 35% 5% 2%	12,496,141 57% 5% 28% 6% 2%	12,959,886 58% 2% 31% 5% 2%	14,095,904 60% 1% 30% 5% 2%	16,950,819 64% 1% 28% 4% 1%	17,413,898 63% 3% 27% 4% 1%	14,563,318 60% 3% 30% 5% 1%	13,014,354 56% 2% 33% 5% 2%	12,770,775 56% 2% 32% 5% 2%	14,245,185 58% 3% 31% 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	14,760,915 54% 4% 34% 5%	13,614,754 55% 2% 34% 5%	13,413,781 55% 1% 35% 5%	12,496,141 57% 5% 28% 6%	12,959,886 58% 2% 31% 5%	14,095,904 60% 1% 30% 5%	16,950,819 64% 1% 28% 4%	17,413,898 63% 3% 27% 4%	14,563,318 60% 3% 30% 5%	13,014,354 56% 2% 33% 5%	12,770,775 56% 2% 32% 5%	14,245,185 58% 3% 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	14,760,915 54% 4% 34% 5% 2%	13,614,754 55% 2% 34% 5% 1%	13,413,781 55% 1% 35% 5% 2%	12,496,141 57% 5% 28% 6% 2%	12,959,886 58% 2% 31% 5% 2%	14,095,904 60% 1% 30% 5% 2%	16,950,819 64% 1% 28% 4% 1%	17,413,898 63% 3% 27% 4% 1%	14,563,318 60% 3% 30% 5% 1%	13,014,354 56% 2% 33% 5% 2%	12,770,775 56% 2% 32% 5% 2%	14,245,185 58% 3% 31% 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	14,760,915 54% 4% 34% 5% 2% 2%	13,614,754 55% 2% 34% 5% 1% 2%	13,413,781 55% 1% 35% 5% 2% 2%	12,496,141 57% 5% 28% 6% 2% 2%	12,959,886 58% 2% 31% 5% 2% 2% 2%	14,095,904 60% 1% 30% 5% 2% 2%	16,950,819 64% 1% 28% 4% 1% 2%	17,413,898 63% 3% 27% 4% 1% 2%	14,563,318 60% 3% 30% 5% 1% 2%	13,014,354 56% 2% 33% 5% 2% 2% 2%	12,770,775 56% 2% 32% 5% 2% 3%	14,245,185 58% 3% 31% 5% 2% 2%
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWh	14,760,915 54% 4% 34% 5% 2% 2% 2% -522,919	13,614,754 55% 2% 34% 5% 1% 2% -580,900	13,413,781 55% 1% 35% 5% 2% 2% 2% -741,701	12,496,141 57% 5% 28% 6% 2% 2% 2% -303,313	12,959,886 58% 2% 31% 5% 2% 2% 2% -180,848	14,095,904 60% 1% 30% 5% 2% 2% 2% -143,015	16,950,819 64% 1% 28% 4% 1% 2% -86,025	17,413,898 63% 3% 27% 4% 1% 2% 224,316	14,563,318 60% 3% 30% 5% 1% 2% -250,802	13,014,354 56% 2% 33% 5% 2% 2% 2% -477,109	12,770,775 56% 2% 32% 5% 2% 3% -394,575	14,245,185 58% 3% 31% 5% 2% 2% 2% -127,836
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWhBalancing Energy LSE Internal LBMP Energy Sales	14,760,915 54% 4% 34% 5% 2% 2% -522,919 -125%	13,614,754 55% 2% 34% 5% 1% 2% -580,900 -114%	13,413,781 55% 1% 35% 5% 2% 2% -741,701 -118%	12,496,141 57% 5% 28% 6% 2% 2% -303,313 -76%	12,959,886 58% 2% 31% 5% 2% 2% -180,848 -147%	14,095,904 60% 1% 30% 5% 2% 2% -143,015 -203%	16,950,819 64% 1% 28% 4% 1% 2% -86,025 -347%	17,413,898 63% 3% 27% 4% 1% 2% 224,316 42%	14,563,318 60% 3% 30% 5% 1% 2% -250,802 -139%	13,014,354 56% 2% 33% 5% 2% 2% -477,109 -111%	12,770,775 56% 2% 32% 5% 2% 3% -394,575 -102%	14,245,185 58% 3% 31% 5% 2% 2% -127,836 -269%
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWhBalancing Energy LSE Internal LBMP Energy SalesBalancing Energy External TC LBMP Energy Sales	14,760,915 54% 4% 34% 5% 2% 2% -522,919 -125% 12%	13,614,754 55% 2% 34% 5% 1% 2% -580,900 -114% 13%	13,413,781 55% 1% 35% 5% 2% 2% 2% -741,701 -118% 19%	12,496,141 57% 5% 28% 6% 2% 2% 2% -303,313 -76% -13%	12,959,886 58% 2% 31% 5% 2% 2% 2% -180,848 -147% 55%	14,095,904 60% 1% 30% 5% 2% 2% 2% -143,015 -203% 77%	16,950,819 64% 1% 28% 4% 1% 2% -86,025 -347% 204%	17,413,898 63% 3% 27% 4% 1% 2% 224,316 42% 56%	14,563,318 60% 3% 30% 5% 1% 2% -250,802 -139% 49%	13,014,354 56% 2% 33% 5% 2% 2% 2% -477,109 -111% 21%	12,770,775 56% 2% 32% 5% 2% 3% -394,575 -102% 28%	14,245,185 58% 3% 31% 5% 2% 2% 2% -127,836 -269% 138%
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Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals DAM Bilateral - Wheel Through Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Import Bilaterals Impo	14,760,915 54% 4% 34% 5% 2% -522,919 -125% 12% 19% 0% 6% -12% 56% 36% 5% 2% 1%	13,614,754 55% 2% 34% 5% 1% 2% -580,900 -114% 13% 9% 0% 5% -12% 56% 36% 5% 2% 1%	13,413,781 55% 1% 35% 5% 2% 2% -741,701 -118% 19% 4% 0% 3% -8% 54% 37% 6% 2% 1%	12,496,141 57% 5% 28% 6% 2% 2% -303,313 -76% -13% 8% 0% 5% -24% 62% 29% 6% 29% 6% 2% 1%	12,959,886 58% 2% 31% 5% 2% 2% -180,848 -147% 55% 27% 0% 7% -42% 59% 32% 59% 32% 5% 2% 2%	14,095,904 60% 1% 30% 5% 2% -143,015 -203% 77% 47% 0% 10% -32% 61% 31% 5% 2% 2% 2%	16,950,819 64% 1% 28% 4% 1% 2% -86,025 -347% 204% 62% 0% 15% -34% 65% 28% 4% 1% 1% 1%	17,413,898 63% 3% 27% 4% 1% 2% 224,316 42% 56% 28% 0% 5% -31% 66% 27% 4% 1% 1% 1%	14,563,318 60% 3% 30% 5% 1% 2% -250,802 -139% 49% 18% 0% 5% -32% 62% 30% 5% 1% 2%	13,014,354 56% 2% 33% 5% 2% 2% -477,109 -111% 21% 6% 0% 4% -21% 57% 35% 55% 2% 1%	12,770,775 56% 2% 32% 5% 2% 3% -394,575 -102% 28% 9% 0% 6% -40% 57% 34% 6% 2% 2%	14,245,185 58% 3% 31% 5% 2% 2% -127,836 -269% 138% 65% 4% 27% -66% 60% 32% 5% 2% 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 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 - Import/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Import Bilaterals Impo	14,760,915 54% 4% 34% 5% 2% -522,919 -125% 12% 19% 0% 6% -12% 56% 36% 5% 2% 1%	13,614,754 55% 2% 34% 5% 1% 2% -580,900 -114% 13% 9% 0% 5% -12% 56% 36% 5% 2% 1%	13,413,781 55% 1% 35% 5% 2% 2% -741,701 -118% 19% 4% 0% 3% -8% 54% 37% 6% 2% 1%	12,496,141 57% 5% 28% 6% 2% 2% -303,313 -76% -13% 8% 0% 5% -24% 62% 29% 6% 29% 6% 2% 1%	12,959,886 58% 2% 31% 5% 2% 2% -180,848 -147% 55% 27% 0% 7% -42% 59% 32% 59% 32% 5% 2% 2%	14,095,904 60% 1% 30% 5% 2% -143,015 -203% 77% 47% 0% 10% -32% 61% 31% 5% 2% 2% 2%	16,950,819 64% 1% 28% 4% 1% 2% -86,025 -347% 204% 62% 0% 15% -34% 65% 28% 4% 1% 1% 1%	17,413,898 63% 3% 27% 4% 1% 2% 224,316 42% 56% 28% 0% 5% -31% 66% 27% 4% 1% 1% 1%	14,563,318 60% 3% 30% 5% 1% 2% -250,802 -139% 49% 18% 0% 5% -32% 62% 30% 5% 1% 2%	13,014,354 56% 2% 33% 5% 2% 2% -477,109 -111% 21% 6% 0% 4% -21% 57% 35% 55% 2% 1%	12,770,775 56% 2% 32% 5% 2% 3% -394,575 -102% 28% 9% 0% 6% -40% 57% 34% 6% 2% 2%	14,245,185 58% 3% 31% 5% 2% 2% -127,836 -269% 138% 65% 4% 27% -66% 60% 32% 5% 2% 2% 2%

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

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

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

NYISO Markets 2017 Energy Statistics

	<u>January</u>	February	March	<u>April</u>	May	June	July	August September	October November December
DAY AHEAD LBMP									
Price *	\$37.22	\$28.84	\$32.04	\$27.70	\$27.66	\$27.37			
Standard Deviation	\$13.20	\$7.97	\$11.95	\$7.66	\$9.47	\$12.37			
Load Weighted Price **	\$38.42	\$29.66	\$32.96	\$28.56	\$28.95	\$29.52			
RTC LBMP	• • • •	• • • • •	• • • • • •	• • • • • •	• • • • • •	• • • • • •			
Price *	\$32.87	\$24.09	\$28.86	\$26.19	\$26.19	\$26.40			
Standard Deviation	\$14.57	\$9.52	\$13.70	\$10.36	\$21.29	\$14.76			
Load Weighted Price **	\$33.96	\$24.81	\$29.67	\$26.98	\$28.10	\$28.39			
REAL TIME LBMP									
Price *	\$34.61	\$25.14	\$31.21	\$29.61	\$26.56	\$26.16			
Standard Deviation	\$18.20	\$14.21	\$25.02	\$39.82	\$26.11	\$19.00			
Load Weighted Price **	\$35.80	\$25.84	\$32.21	\$30.81	\$28.64	\$28.67			
Average Daily Energy Sendout/Month GWh	431	418	419	377	383	454			

NYISO Markets 2016 Energy Statistics

	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August S	<u>September</u>	<u>October</u>	November [<u>December</u>
DAY AHEAD LBMP Price *	¢24.04	¢05.76	¢10.c0	¢26.20	<u> </u>	¢04.00	Ф <u>Э</u> Б ЭИ	¢20.05	ሮጋን ላይ	¢00.07	<u> </u>	¢20.02
Standard Deviation	\$31.01 \$10.86	\$25.76 \$12.46	\$18.63 \$6.99	\$26.39 \$6.95	\$21.07 \$7.04	\$24.83 \$9.21	\$35.24 \$18.37	\$38.25 \$20.59	\$27.15 \$13.55	\$20.37 \$7.48	\$24.35 \$7.32	\$39.83 \$15.08
				•								•
Load Weighted Price **	\$32.13	\$26.75	\$19.37	\$27.14	\$22.12	\$26.30	\$38.29	\$41.41	\$29.38	\$21.29	\$25.15	\$41.22
RTC LBMP												
Price *	\$26.12	\$24.10	\$16.41	\$23.41	\$19.96	\$24.29	\$36.22	\$45.03	\$24.70	\$19.76	\$23.02	\$37.08
Standard Deviation	\$16.06	\$17.89	\$11.32	\$9.09	\$11.44	\$16.58	\$38.04	\$70.57	\$17.46	\$8.96	\$9.49	\$16.72
Load Weighted Price **	\$27.16	\$25.29	\$17.11	\$24.10	\$21.23	\$25.73	\$39.42	\$50.28	\$26.97	\$20.64	\$23.73	\$38.35
REAL TIME LBMP												
Price *	\$30.15	\$24.28	\$17.84	\$25.71	\$20.67	\$25.87	\$34.40	\$40.87	\$24.90	\$20.91	\$24.72	\$39.00
Standard Deviation	\$60.09	\$18.19	\$15.06	\$16.59	\$12.84	\$19.27	\$38.56	\$52.85	\$20.70	\$12.15	\$12.71	\$20.92
Load Weighted Price **	\$31.80	\$25.61	\$18.64	\$26.57	\$21.99	\$27.39	\$38.20	\$45.82	\$27.38	\$21.81	\$25.45	\$40.42
Average Daily Energy Sendout/Month GWh	439	436	397	385	397	456	532	548	458	391	398	433

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



June 2017 Zonal LBMP Statistics for NYISO (\$/MWh)

					MOHAWK		HUDSON			NEW YORK	LONG
	WEST	GENESEE	NORTH	CENTRAL	VALLEY	CAPITAL	VALLEY	MILLWOOD I	DUNWOODIE	CITY	ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	<u>Zone K</u>
DAY AHEAD LBMP											
Unweighted Price *	23.98	19.95	17.72	20.86	20.84	25.61	28.11	29.11	29.14	30.17	32.61
Standard Deviation	14.89	8.82	8.28	9.30	9.10	8.06	12.49	14.12	14.15	14.27	14.41
RTC LBMP											
Unweighted Price *	28.49	20.61	17.91	21.93	21.42	23.06	25.02	25.47	25.50	27.46	32.21
Standard Deviation	39.27	9.10	11.29	10.38	9.94	9.14	12.73	14.01	14.14	18.17	31.19
REAL TIME LBMP											
Unweighted Price *	25.38	20.55	17.55	21.60	21.35	22.94	25.01	25.63	25.75	28.68	30.40
Standard Deviation	41.62	12.56	14.06	14.00	13.29	13.12	16.29	17.97	18.71	25.42	29.35

	ONTARIO IESO	HYDRO QUEBEC (Wheel)	HYDRO QUEBEC (Import/Export)	PJM	NEW ENGLAND	CROSS SOUND CABLE	NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
						<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>
	<u>Zone O</u>	Zone M	Zone M	<u>Zone P</u>	Zone N	Line	Line	Line	Line	Line	Line
DAY AHEAD LBMP											
Unweighted Price *	18.15	17.22	17.22	24.91	27.03	31.66	29.12	31.18	29.07	29.69	16.06
Standard Deviation	7.19	8.16	8.16	11.19	10.44	14.70	11.57	14.54	12.66	14.14	7.82
RTC LBMP											
Unweighted Price *	17.69	15.91	15.91	23.63	23.56	29.86	29.39	29.19	25.38	25.65	15.33
Standard Deviation	11.88	11.69	11.69	10.98	10.55	29.45	29.24	29.30	13.37	13.98	36.44
REAL TIME LBMP											
Unweighted Price *	18.80	16.07	16.07	23.13	23.65	28.50	26.33	27.82	23.62	25.87	12.74
Standard Deviation	14.01	13.49	13.49	15.38	14.17	25.08	23.87	24.57	35.44	18.49	30.63

* Straight LBMP averages







Hudson Valley Zone G Monthly Average LBMP Prices 2016 - 2017



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External Comparison ISO-New England







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External Comparison Ontario IESO



Notes: Exchange factor used for June 2017 was 0.752162467 to US HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price

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External Controllable Line: Cross Sound Cable (New England)



Note:

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

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

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

External Controllable Line: Northport - Norwalk (New England)





Note:

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

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

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

External Controllable Line: Neptune (PJM)





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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

2017 Hour Corrections		January	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Number of hours with corrections Number of hours % of hours with corrections	in the month in the month in the month	2 744 0.27%	0 672 0.00%	1 743 0.13%	0 720 0.00%	6 744 0.81%	0 720 0.00%						
% of hours with corrections	year-to-date	0.27%	0.14%	0.14%	0.10%	0.25%	0.21%						
Interval Corrections		_				4.0							
Number of intervals corrected Number of intervals	in the month in the month	5 8,983	0 8,101	1 9,026	0 8,745	12 9,004	0 8,712						
% of intervals corrected	in the month	0.06%	0.00%	9,020 0.01%	0.00%	9,004 0.13%	0.00%						
% of intervals corrected	year-to-date	0.06%	0.03%	0.02%	0.02%	0.04%	0.03%						
Hours Reserved	year-io-uale	0.00%	0.0376	0.0276	0.02 /0	0.04 /0	0.0376						
Number of hours reserved	in the month	4	0	6	17	22	7						
Number of hours	in the month	744	672	743	720	744	720						
% of hours reserved	in the month	0.54%	0.00%	0.81%	2.36%	2.96%	0.97%						
% of hours reserved	year-to-date	0.54%	0.28%	0.46%	0.94%	1.35%	1.29%						
Days to Correction *	your to date	0.0170	0.2070	0.1070	0.0170	1.0070	112070						
Avg. number of days to correction	in the month	1.50	0.00	2.00	0.00	2.00	0.00						
Avg. number of days to correction	year-to-date	1.50	1.50	1.67	1.67	1.86	1.86						
Days Without Corrections	, ,												
Days without corrections	in the month	29	28	30	30	27	30						
Days without corrections	year-to-date	29	57	87	117	144	174						
2016		January	February	March	April	May	June	July	August	September	October	November	December
2016 Hour Corrections		<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	June	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Hour Corrections	in the month					<u>May</u> 1							<u>December</u> 1
Hour Corrections Number of hours with corrections	in the month in the month	3	2	0	3	1	8	0	0	2	0	0	1
Hour Corrections	in the month in the month in the month					<u>May</u> 1 744 0.13%							<u>December</u> 1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	3 744 0.40%	2 696 0.29%	0 743 0.00%	3 720 0.42%	1 744 0.13%	8 720 1.11%	0 744 0.00%	0 744 0.00%	2 720 0.28%	0 744 0.00%	0 721 0.00%	1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours	in the month	3 744	2 696	0 743	3 720	1 744	8 720	0 744	0 744	2 720	0 744	0 721	1 744
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	3 744 0.40% 0.40%	2 696 0.29% 0.35%	0 743 0.00% 0.23%	3 720 0.42% 0.28%	1 744 0.13%	8 720 1.11% 0.39%	0 744 0.00% 0.33%	0 744 0.00% 0.29%	2 720 0.28%	0 744 0.00% 0.26%	0 721 0.00% 0.24%	1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month in the month	3 744 0.40% <u>0.40%</u> 5	2 696 0.29% <u>0.35%</u> 11	0 743 0.00% <u>0.23%</u> 0	3 720 0.42% 0.28% 3	1 744 0.13% <u>0.25%</u> 1	8 720 1.11% 0.39% 20	0 744 0.00% <u>0.33%</u> 0	0 744 0.00% <u>0.29%</u> 0	2 720 0.28% 0.29% 7	0 744 0.00% <u>0.26%</u> 0	0 721 0.00% <u>0.24%</u> 0	1 744 0.13% <u>0.23%</u> 1
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals corrected	in the month in the month year-to-date in the month	3 744 0.40% 0.40%	2 696 0.29% 0.35%	0 743 0.00% 0.23%	3 720 0.42% 0.28%	1 744 0.13%	8 720 1.11% 0.39%	0 744 0.00% 0.33%	0 744 0.00% 0.29%	2 720 0.28%	0 744 0.00% 0.26%	0 721 0.00% 0.24%	1 744 0.13%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals corrected	in the month in the month year-to-date in the month in the month in the month	3 744 0.40% <u>0.40%</u> 5 9,000 0.06%	2 696 0.29% 0.35% 11 8,440 0.13%	0 743 0.00% <u>0.23%</u> 0 8,995 0.00%	3 720 0.42% 0.28% 3 8,724 0.03%	1 744 0.13% <u>0.25%</u> 1 8,987 0.01%	8 720 1.11% 0.39% 20 8,725 0.23%	0 744 0.00% 0.33% 0 9,038 0.00%	0 744 0.00% 0.29% 0 9,048 0.00%	2 720 0.28% 0.29% 7 8,713 0.08%	0 744 0.00% <u>0.26%</u> 0 8,960 0.00%	0 721 0.00% 0.24% 0 8,724 0.00%	1 744 0.13% <u>0.23%</u> 1 9,034 0.01%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals	in the month in the month year-to-date in the month in the month	3 744 0.40% <u>0.40%</u> 5 9,000	2 696 0.29% 0.35% 11 8,440	0 743 0.00% 0.23% 0 8,995	3 720 0.42% 0.28% 3 8,724	1 744 0.13% <u>0.25%</u> 1 8,987	8 720 1.11% <u>0.39%</u> 20 8,725	0 744 0.00% <u>0.33%</u> 0 9,038	0 744 0.00% <u>0.29%</u> 0 9,048	2 720 0.28% 0.29% 7 8,713	0 744 0.00% <u>0.26%</u> 0 8,960	0 721 0.00% 0.24% 0 8,724	1 744 0.13% <u>0.23%</u> 1 9,034
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals corrected% of intervals corrected% of intervals corrected	in the month in the month year-to-date in the month in the month in the month	3 744 0.40% <u>0.40%</u> 5 9,000 0.06% <u>0.06%</u>	2 696 0.29% 0.35% 11 8,440 0.13% 0.09%	0 743 0.00% <u>0.23%</u> 0 8,995 0.00%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05%	1 744 0.13% <u>0.25%</u> 1 8,987 0.01% 0.05%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06%	0 744 0.00% <u>0.29%</u> 0 9,048 0.00% 0.06%	2 720 0.28% 0.29% 7 8,713 0.08%	0 744 0.00% <u>0.26%</u> 0 8,960 0.00%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05%	1 744 0.13% <u>0.23%</u> 1 9,034 0.01%
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 year-to-date	3 744 0.40% <u>0.40%</u> 5 9,000 0.06%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25	0 743 0.00% <u>0.23%</u> 0 8,995 0.00%	3 720 0.42% 0.28% 3 8,724 0.03%	1 744 0.13% <u>0.25%</u> 1 8,987 0.01%	8 720 1.11% 0.39% 20 8,725 0.23%	0 744 0.00% 0.33% 0 9,038 0.00%	0 744 0.00% 0.29% 0 9,048 0.00%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06%	0 744 0.00% <u>0.26%</u> 0 8,960 0.00% 0.05%	0 721 0.00% 0.24% 0 8,724 0.00%	1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u>
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% number of intervals corrected% number of intervals corrected% number of intervals corrected% 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	3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10	2 696 0.29% 0.35% 11 8,440 0.13% 0.09%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8	1 744 0.13% <u>0.25%</u> 1 8,987 0.01% <u>0.05%</u> 2	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5	1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reservedNumber of hours reserved% of hours reserved% of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month	3 744 0.40% 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69%	1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 744 1.48%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedNumber of hours reservedNumber of hours reservedNumber of hours	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month	3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720	1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721	1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 744
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals correctedMumber of hours reservedNumber 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 in the month in the month in the month	3 744 0.40% 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69%	1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 744 1.48%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reservedNumber of hours reserved% of hours reserved% of hours reserved% 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 in the month in the month in the month year-to-date	3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% 1.34%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% 2.43%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% 1.65%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% 1.52%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% 1.26%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% 1.79%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% 1.68%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% 1.69%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% 1.66%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% 1.53%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% 1.46%	1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 744 1.48% 1.46%
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Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reservedNumber of hours reserved% of hours reserved <tr< td=""><td>in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month in the month</td><td>3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% 1.34% 1.34% 2.00</td><td>2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% 2.43% 1.50</td><td>0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% 1.65% 0.00</td><td>3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% 1.52% 0.67</td><td>1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% 1.26% 1.00</td><td>8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% 1.79% 1.50</td><td>0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% 1.68% 0.00</td><td>0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% 1.69% 0.00</td><td>2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% 1.66% 1.50</td><td>0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% 1.53% 0.00</td><td>0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% 1.46% 0.00</td><td>1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 744 1.48% <u>1.46%</u> 2.00</td></tr<>	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month in the month	3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% 1.34% 1.34% 2.00	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% 2.43% 1.50	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% 1.65% 0.00	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% 1.52% 0.67	1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% 1.26% 1.00	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% 1.79% 1.50	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% 1.68% 0.00	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% 1.69% 0.00	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% 1.66% 1.50	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% 1.53% 0.00	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% 1.46% 0.00	1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 744 1.48% <u>1.46%</u> 2.00
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* Calendar days from reservation date.



* Calendar days from reservation date.

Market Mitigation and Analysis Prepared: 7/10/2017 11:20 AM

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NYISO Virtual Trading Average MWh per day



Market Mitigation and Analysis Prepared: 7/10/2017 11:18 AM



Market Mitigation and Analysis Prepared: 7/10/2017 11:18 AM

Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2017

		Virtual L	.oad Bid	Virtual Su	ipply Bid			Virtual L	.oad Bid	Virtual Su	Ipply Bid			Virtual L	.oad Bid	Virtual Su	Ipply Bid
			Not		Not				Not		Not				Not		Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled
WEST	Jan-17		5,795	2,019	337	MHK VL	Jan-17			2,022	131	DUNWOD	Jan-17		832	5,708	389
	Feb-17	3,771	4,772		567		Feb-17		100	,	293		Feb-17				424
	Mar-17	6,522			616		Mar-17		186	,	378		Mar-17	436		4,871	439
	Apr-17	6,956 8,468		1,934	699 546		Apr-17		102 105		430 401		Apr-17	1,097	406 155	3,517 1,863	232 276
	May-17 Jun-17	,	,		546		May-17 Jun-17			,	586		May-17 Jun-17	1,215 1,117	287	3,281	383
	Jul-17 Jul-17	10,776	5,120	1,497	512		Jul-17		149	2,492	500		Jul-17	1,117	207	3,201	303
	Aug-17						Aug-17						Aug-17				
	Sep-17						Sep-17						Sep-17				
	Oct-17						Oct-17						Oct-17				
	Nov-17						Nov-17						Nov-17				
	Dec-17						Dec-17						Dec-17				
GENESE	Jan-17	654	1,282	3,652	2,482	CAPITL	Jan-17	1,291	666	3,990	3,861	N.Y.C.	Jan-17	5,761	5,474	1,543	1,008
GLINLSL	Feb-17	276			3,206	CAFIL	Feb-17	,	409		3,798	N.1.C.	Feb-17	4,622	5,309	1,343	1,008
	Mar-17	480			3,419		Mar-17		528	,	2,484		Mar-17	4,022	5,826	1,712	1,219
	Apr-17	353			2,880		Apr-17	-	549		1,973		Apr-17	4,374	4,331	1,161	529
	May-17	393			2,027		May-17	,	454	5,697	1,635		May-17	3,357	4,679	1,434	569
	Jun-17	516		,	2,119		Jun-17		372	6,479	1,916		Jun-17		4,163	1,050	608
	Jul-17						Jul-17						Jul-17				
	Aug-17						Aug-17						Aug-17				
	Sep-17						Sep-17						Sep-17				
	Oct-17						Oct-17						Oct-17				
	Nov-17						Nov-17						Nov-17				
	Dec-17						Dec-17						Dec-17				
NORTH	Jan-17	655	316	6,415	3,473	HUD VL	Jan-17	911	817	5,317	3,064	LONGIL	Jan-17	3,559	3,788	1,354	1,367
	Feb-17	465	338		4,006		Feb-17	,	915	6,266	3,873		Feb-17	3,341	3,127	1,653	1,667
	Mar-17	426		,	4,576		Mar-17		,	,	2,652		Mar-17	,		,	1,463
	Apr-17	414			4,435		Apr-17			5,708	2,333		Apr-17				1,232
	May-17	555			2,436		May-17				2,378		May-17				998
	Jun-17	552	468	6,955	2,920		Jun-17		823	6,861	3,317		Jun-17		2,532	1,402	1,398
	Jul-17						Jul-17						Jul-17				
	Aug-17						Aug-17						Aug-17				
	Sep-17						Sep-17						Sep-17				
	Oct-17						Oct-17						Oct-17				
	Nov-17 Dec-17						Nov-17 Dec-17						Nov-17 Dec-17				
CENTRL	Jan-17	1,482			196	MILLWD				1,422	128	NYISO	Jan-17		19,719	56,001	16,436
	Feb-17	707		20,639	320		Feb-17		74	,	164		Feb-17	,	16,406		19,537
	Mar-17	979			518		Mar-17		157	1,452	158		Mar-17	,	19,002		17,759
	Apr-17	1,079			519		Apr-17		328		149		Apr-17	21,767	16,586		15,411
	May-17 Jun-17	1,472 1,839			312 380		May-17 Jun-17		255 1,057	1,474	195 340		May-17 Jun-17		16,222 15,820	65,531 70,160	11,774 14,480
	Jun-17 Jul-17	1,839	672	35,205	380		Jun-17 Jul-17		1,057	2,019	340	—	Jun-17 Jul-17		15,820	70,160	14,480
	Aug-17					_	Aug-17					—	Aug-17				
	Sep-17						Sep-17						Sep-17				
	Oct-17						Oct-17					—	Oct-17				
	Nov-17		<u> </u>			_	Nov-17		<u> </u>				Nov-17				
	Dec-17						Dec-17		<u> </u>				Dec-17				



Market Mitigation and Analysis Prepared: 7/10/2017 11:19 AM







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

		iai neta A	<u> </u>				
<u>2017</u>	<u>January</u>	February	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>
Day Ahead Market	<u></u>	<u> </u>	<u></u>	<u> </u>	<u></u>	<u></u>	<u></u>
10 Min Spin SENY (GHIJK)	5.01	4.68	5.53	4.68	4.82	4.79	
10 Min Spin East (F)	5.01	4.68	5.53	4.68	4.82	4.79	
10 Min Spin West (ABCDE)	4.94	4.56	5.31	4.41	4.45	4.39	
10 Min Non Synch SENY (GHIJK)	4.94	4.57	5.20	4.41	3.95	3.92	
10 Min Non Synch East (F)	4.94	4.57		4.41		3.92	
			5.20		3.95		
10 Min Non Synch West (ABCDE)	4.92	4.56	5.17	4.31	3.82	3.73	
30 Min SENY (GHIJK)	4.92	4.56	5.17	4.31	3.82	3.73	
30 Min East (F)	4.92	4.56	5.17	4.31	3.82	3.73	
30 Min West (ABCDE)	4.92	4.56	5.17	4.31	3.82	3.73	
Regulation	9.34	7.99	11.01	13.80	12.79	10.55	
RTC Market							
10 Min Spin SENY (GHIJK)	1.53	0.89	2.08	1.97	1.64	0.75	
10 Min Spin East (F)	1.53	0.89	2.08	1.97	1.41	0.75	
10 Min Spin West (ABCDE)	1.06	0.55	1.58	1.16	0.65	0.47	
10 Min Non Synch SENY (GHIJK)	0.06	0.06	0.10	0.14	1.08	0.47	
10 Min Non Synch East (F)	0.06	0.06	0.10	0.14	0.85	0.13	
10 Min Non Synch West (ABCDE)	0.00	0.00	0.10	0.07	0.31	0.05	
30 Min SENY (GHIJK)	0.00	0.00	0.10	0.03	0.50	0.05	
30 Min East (F)	0.00	0.00	0.10	0.03	0.27	0.05	
30 Min West (ABCDE)	0.00	0.00	0.10	0.03	0.27	0.05	
Regulation	9.21	6.59	11.37	10.18	9.82	9.92	
NYCA Regulation Movement	0.27	0.24	0.25	0.22	0.24	0.21	
Real Time Market							
10 Min Spin SENY (GHIJK)	3.29	2.61	5.56	5.62	4.14	1.71	
10 Min Spin SERT (Grisk)	3.29	2.61	5.56	5.62	3.67	1.71	
10 Min Spin West (ABCDE)	2.71	1.71	4.65	3.56	1.48	1.15	
10 Min Non Synch SENY (GHIJK)	0.00	0.31	0.17	1.99	2.75	0.36	
10 Min Non Synch East (F)	0.00	0.31	0.17	1.99	2.28	0.36	
10 Min Non Synch West (ABCDE)	0.00	0.00	0.13	0.95	0.44	0.10	
30 Min SENY (GHIJK)	0.00	0.00	0.12	0.06	0.85	0.10	
30 Min East (F)	0.00	0.00	0.12	0.06	0.38	0.10	
30 Min West (ABCDE)	0.00	0.00	0.12	0.06	0.38	0.10	
Regulation	9.83	7.54	15.44	13.15	10.91	10.48	
NYCA Regulation Movement	0.27	0.24	0.25	0.20	0.22	0.19	
<u>2016</u>	<u>January</u>	February	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>
2016 Day Ahead Market	January	<u>February</u>	March	<u>April</u>	<u>May</u>	June	<u>July</u>
Day Ahead Market	<u>January</u> 7.09	<u>February</u> 5.38	<u>March</u> 5.04	<u>April</u> 6.31	<u>May</u> 4.93	<u>June</u> 4.62	<u>July</u> 6.41
Day Ahead Market 10 Min Spin SENY (GHIJK)	7.09	5.38	5.04	6.31	4.93	4.62	6.41
<u>Day Ahead Market</u> 10 Min Spin SENY (GHIJK) 10 Min Spin East (F)	7.09 7.09	5.38 5.38	5.04 5.04	6.31 6.31	4.93 4.93	4.62 4.62	6.41 6.41
<u>Day Ahead Market</u> 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	7.09 7.09 6.28	5.38 5.38 5.25	5.04 5.04 4.84	6.31 6.31 5.60	4.93 4.93 4.77	4.62 4.62 4.52	6.41 6.41 5.78
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK)	7.09 7.09 6.28 6.47	5.38 5.38 5.25 5.25	5.04 5.04 4.84 4.88	6.31 6.31 5.60 5.80	4.93 4.93 4.77 4.83	4.62 4.62 4.52 4.36	6.41 6.41 5.78 6.34
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)	7.09 7.09 6.28 6.47 6.47	5.38 5.38 5.25 5.25 5.25	5.04 5.04 4.84 4.88 4.88	6.31 6.31 5.60 5.80 5.80	4.93 4.93 4.77 4.83 4.83	4.62 4.62 4.52 4.36 4.36	6.41 6.41 5.78 6.34 6.34
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)	7.09 7.09 6.28 6.47 6.47 6.23	5.38 5.38 5.25 5.25 5.25 5.25 5.20	5.04 5.04 4.84 4.88 4.88 4.88	6.31 6.31 5.60 5.80 5.80 5.58	4.93 4.93 4.77 4.83 4.83 4.68	4.62 4.62 4.52 4.36 4.36 4.32	6.41 6.41 5.78 6.34 6.34 5.72
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)	7.09 7.09 6.28 6.47 6.47 6.23 6.23	5.38 5.38 5.25 5.25 5.25 5.25 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.88 4.84	6.31 6.31 5.60 5.80 5.80 5.58 5.58	4.93 4.93 4.77 4.83 4.83 4.68 4.67	4.62 4.62 4.52 4.36 4.36 4.32 4.32	6.41 6.41 5.78 6.34 6.34 5.72 5.70
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)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.88 4.84 4.84 4.84	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70
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)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70
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 West (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.88 4.84 4.84 4.84	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70
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)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70
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 West (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70
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	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58 7.93	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 4.67 6.11	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32 7.00	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19
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 <u>RTC Market</u> 10 Min Spin SENY (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58 7.93	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79
Day Ahead Market10 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)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin East (F)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58 7.93 1.81 1.81	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 4.67 6.11 0.43 0.43	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00 0.49 0.46	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77
Day Ahead Market10 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)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Spin East (F)10 Min Spin Kest (ABCDE)10 Min Non Synch SENY (GHIJK)	7.097.096.286.476.476.236.236.236.236.239.391.531.531.530.420.45	5.38 5.38 5.25 5.25 5.25 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17	6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 5.58 5.58 7.93 1.81 1.81 1.81 0.95 0.14	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89
Day Ahead Market10 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)RegulationRTC Market10 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 SENY (GHIJK)10 Min Non Synch SENY (GHIJK)	7.097.096.286.476.476.236.236.236.236.239.391.531.530.420.450.45	5.38 5.38 5.25 5.25 5.20 0.59 0.26 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17 0.17	6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87
Day Ahead Market10 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 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 East (F)10 Min Non Synch East (F)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04	5.38 5.38 5.25 5.25 5.20 8.19 0.26 0.00 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17 0.17 0.00	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 7.93 1.81 1.81 1.81 0.95 0.14 0.14 0.14	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04	4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18
Day Ahead Market10 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)RegulationRTC Market10 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 West (ABCDE)30 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)	7.09 7.09 6.28 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01	5.38 5.38 5.25 5.25 5.25 5.20 0.59 0.26 0.00 0.00 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17 0.17 0.00 0.00	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58 7.93 1.81 1.81 1.81 0.95 0.14 0.14 0.14	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04	4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 0.04	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94
Day Ahead Market10 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)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)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 SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01	5.38 5.38 5.25 5.25 5.20 0.59 0.26 0.00 0.00 0.00 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.71 0.71 0.00 0.00 0.00	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58 7.93 1.81 1.81 1.81 0.95 0.14 0.14 0.14 0.14	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.05 0.04 0.04 0.04	4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 0.02 0.02 0.02	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93
Day Ahead Market10 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)RegulationRTC Market10 Min Spin SENY (GHIJK)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 SENY (GHIJK)30 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (ABCDE)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 0.01	5.38 5.38 5.25 5.25 5.25 5.20 0.59 0.26 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 7.93 1.81 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ 0.43 \\ 0.43 \\ 0.23 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \end{array}$	4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93
Day Ahead Market10 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 SENY (GHIJK)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)30 Min West (ABCDE)30 Min West (ABCDE)Regulation	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 8.04	5.38 5.38 5.25 5.25 5.20 0.59 0.26 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$	4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.49 0.46 0.24 0.05 0.02 0.020	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51
Day Ahead Market10 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)RegulationRTC Market10 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 West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (ABCDE)30 Min SENY (ABCDE)30 Min SENY (ABCDE)RegulationNYCA Regulation Movement	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 0.01	5.38 5.38 5.25 5.25 5.25 5.20 0.59 0.26 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 7.93 1.81 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ 0.43 \\ 0.43 \\ 0.23 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \end{array}$	4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93
Day Ahead Market10 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 SENY (GHIJK)10 Min Spin East (F)10 Min Spin East (F)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)30 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min Kest (ABCDE)RegulationNYCA Regulation MovementReal Time Market	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.45 0.04 0.01 0.01 8.04 0.23	5.38 5.38 5.25 5.25 5.20 0.59 0.26 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.21	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00 7.15 0.20	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$	$\begin{array}{c} 4.62 \\ 4.62 \\ 4.52 \\ 4.36 \\ 4.36 \\ 4.32 \\ 4.32 \\ 4.32 \\ 4.32 \\ 4.32 \\ 7.00 \\ \end{array}$	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23
Day Ahead Market10 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 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 SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)30 Min West (ABCDE)RegulationNYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)	$\begin{array}{c} 7.09 \\ 7.09 \\ 6.28 \\ 6.47 \\ 6.23 \\ 6.23 \\ 6.23 \\ 6.23 \\ 6.23 \\ 9.39 \end{array}$ $\begin{array}{c} 1.53 \\ 1.53 \\ 0.42 \\ 0.45 \\ 0.45 \\ 0.04 \\ 0.01 \\ 0.01 \\ 0.01 \\ 0.01 \\ 8.04 \\ 0.23 \end{array}$	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.11\\ 1.12\end{array}$	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 0.04 0.04	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73
Day Ahead Market10 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 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 West (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)30 Min West (ABCDE)RegulationNYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)	$\begin{array}{c} 7.09 \\ 7.09 \\ 6.28 \\ 6.47 \\ 6.23 \\ 6.23 \\ 6.23 \\ 6.23 \\ 6.23 \\ 9.39 \end{array}$ $\begin{array}{c} 1.53 \\ 1.53 \\ 0.42 \\ 0.45 \\ 0.45 \\ 0.04 \\ 0.01 \\ 0.01 \\ 0.01 \\ 0.01 \\ 0.01 \\ 8.04 \\ 0.23 \end{array}$ $\begin{array}{c} 7.51 \\ 7.51 \\ 7.51 \end{array}$	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.11\\ 1.12\\ 1.12\end{array}$	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.75 0.20 1.73 1.73 1.73	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 0.04 0.04	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ \end{array}$	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72
Day Ahead Market10 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 West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)Regulation RTC Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)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 SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min Sent (ABCDE)RegulationNYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)	$\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.26\\ 0.00\\$	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.71 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.17 0.20 1.73 1.73 0.48	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ 0.49\\ 0.46\\ 0.24\\ 0.05\\ 0.02\\$	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51
Day Ahead Market10 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 West (ABCDE)30 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min West (ABCDE)Regulation RTC Market 10 Min Spin SENY (GHIJK)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)30 Min East (F)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationNYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)	$\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 0.00\\ 5.20\\ 5.20\\ 0.00\\ 5.20\\ 0.00\\$	5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 0.71 0.71 0.71 0.00 0.20	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ 0.49\\ 0.46\\ 0.24\\ 0.05\\ 0.02\\ 0.01\\ 0.15\\ \end{array}$	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49
Day Ahead Market10 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 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 SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationNYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)	$\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.26\\ 0.00\\$	5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.71 0.08 0.17 0.00 0.20 1.73 1.73 1.73 0.48 0.22 0.22	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ 0.49\\ 0.46\\ 0.24\\ 0.05\\ 0.02\\$	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51
Day Ahead Market10 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 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 Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch Kest (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min Spin West (ABCDE)30 Min Non Synch SENY (GHIJK)30 Min Non Synch SENY (GHIJK)<	$\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 0.00\\ 5.20\\ 5.20\\ 0.00\\ 5.20\\ 0.00\\$	5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 0.71 0.71 0.71 0.00 0.20	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ 0.49\\ 0.46\\ 0.24\\ 0.05\\ 0.02\\ 0.01\\ 0.15\\ \end{array}$	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49
Day Ahead Market10 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 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 SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationNYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)	$\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\$	5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.71 0.08 0.17 0.00 0.20 1.73 1.73 1.73 0.48 0.22 0.22	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ \end{array}$	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48
Day Ahead Market10 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 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 Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch Kest (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min Spin West (ABCDE)30 Min Non Synch SENY (GHIJK)30 Min Non Synch SENY (GHIJK)<	$\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$	5.38 5.38 5.25 5.25 5.20 0.59 0.26 0.00	5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.00 0.02 0.22 0.00	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ \end{array}$	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 1.65
Day Ahead Market10 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 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 East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch Kest (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationNYCA Regulation Movement Real Time Market 10 Min Spin East (F)10 Min Spin East (F)10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin East (F)10 Min Spin East (F)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch Kest (ABCDE)10 Min Non Synch Kest (ABCDE)<	$\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 0.59 0.26 0.00	5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 1.73 0.48 0.22 0.00	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ \end{array}$	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 1.65 0.98
Day Ahead Market10 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 SENY (GHIJK)30 Min West (ABCDE)Regulation RTC Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)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 SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min East (F)30 Min East (F)30 Min West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min SENY (GHIJK)30 Min Sent (ABCDE)RegulationNYCA Regulation MovementReal Time Market10 Min Spin East (F)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SE	$\begin{array}{c} 7.09\\ 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$	5.38 5.38 5.25 5.25 5.25 5.20 0.59 0.26 0.00	5.04 5.04 4.84 4.84 4.88 4.84 0.71 0.71 0.71 0.00 0.00 0.00 7.15 0.20 1.73 1.73 1.73 1.73 0.48 0.22 0.00	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \hline 0.43 \\ 0.43 \\ 0.23 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 5.43 \\ 0.25 \\ \hline 1.19 \\ 1.19 \\ 1.19 \\ 0.79 \\ 0.06 \\ 0.06 \\ 0.03 $	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.03 0.15 0.11 0.04 0.07 0.04 0.04	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 1.65 0.98 0.97 0.97
Day Ahead Market10 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 SENY (GHIJK)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)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 SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)30 Min West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min Spin SENY (GHIJK)30 Min Spin SENY (GHIJK)30 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)3	$\begin{array}{c} 7.09\\ 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$	5.38 5.38 5.25 5.25 5.25 5.20 0.59 0.26 0.00	5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 1.73 0.48 0.22 0.00	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ 0.49\\ 0.46\\ 0.24\\ 0.05\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.01\\ 0.04\\ 0.07\\ 0.04\\ \end{array}$	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 1.65 0.98 0.97

<u>August</u> September

October November December

<u>August</u>	<u>September</u>	October	November	December
7.12	5.57	5.37	4.83	4.89
7.12	5.57	5.37	4.83	4.89
6.20	5.14	4.89	4.50	4.73
7.07	5.52	5.09	4.43	4.49
7.07	5.52	5.09	4.43	4.49
6.15	5.10	4.82	4.39	4.43
6.15	5.10	4.82	4.39	4.43
6.15	5.10	4.82	4.39	4.43
6.15	5.10	4.82	4.39	4.43
8.61	7.00	8.57	7.77	13.80
7.26	0.61	0.99	1.05	1.92
6.88	0.61	0.99	1.05	1.92
4.80	0.30	0.29	0.82	1.14
6.06	0.21	0.09	0.00	0.00
5.67	0.21	0.09	0.00	0.00
3.80	0.16	0.08	0.00	0.00
3.65	0.15	0.08	0.00	0.00
3.27	0.15	0.08	0.00	0.00
3.27	0.15	0.08	0.00	0.00
10.25	5.52	6.86	7.00	16.70
0.24	0.24	0.26	0.24	0.26
8.04	1.59	1.96	2.69	3.18
7.68	1.59	1.96	2.69	3.18
4.72	0.90	1.16	2.29	2.33
6.70	0.59	0.18	0.00	0.00
6.34	0.59	0.18	0.00	0.00
3.56	0.21	0.11	0.00	0.00
3.48	0.21	0.11	0.00	0.00
3.12	0.21	0.11	0.00	0.00
3.12	0.21	0.11	0.00	0.00
10.31	6.42	7.70	8.21	14.88
0.24	0.24	0.26	0.23	0.24

Changes have been made to this table due to Comprehensive Scarcity Pricing activation in June 2016.









NYISO LBMP ZONES



Market Mitigation and Analysis Prepared: 7/10/2017 11:19 AM

Billing Codes for Chart C

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

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



NEW YORK INDEPENDENT SYSTEM OPERATOR

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FINAL

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

Upcoming Compliance Filings

Filing Due D	-	ming Compliance Filings cription)	Docket Number

Recently Issued Orders

Filing	Filing Summary	Docket	Order	Order Summary	
Date	(Order Issued)	Number	Date		
	NYISO 205 filing re: OATT and Services Tariff revisions to clarify and enhance the operation of its transmission		06/14/2017	FERC order accepted revisions effective 06/20/2017, as requested	
04/21/2017	constraint pricing logic	ER17-1453-000			
	NYISO 205 filing re: revisions to MST Sections 4.4 and 25 concerning submission of start-up bids in the real-time		06/12/2017	FERC order accepted revisions effective 07/01/2017, as requested	
04/28/2017	market	ER17-1501-000			
	NYISO 205 filing re: implementation agreement (SA 2336) with TC Ravenswood concerning NYSRC		06/16/2017	FERC order accepted Service Agreement 2336 effective 05/01/2017, as requested	
05/09/2017	Reliability Rule G.2	ER17-1579-000			
05/18/2017	NYISO 205 filing re: amendments to coordination agreement between ISONE and NYISO concerning the rules for pricing emergency energy	ER17-1621-000	06/16/2017	FERC order accepted revisions effective 08/01/2017, as requested	
03/10/2017		LIN17-1021-000			
	NYISO 205 filing re: notice of cancellation of SGIA (SA 1483) among the NYISO, Niagara Mohawk Power		06/15/2017	FERC order accepted notice of cancellation effective 07/17/17, as requested	
05/18/2017	Corporation and Green Power Energy LLC	ER17-1624-000			
	NYISO filing re: answer to the Green Power request for rehearing of FERC's order accepting a Notice of Cancellation of Green Power's Small Generator		07/10/2017	FERC notice denied the Green Power request for rehearing and rejected NYISO's answer to the extent it responded to the request for rehearing	
07/05/2017	Interconnection Agreement	ER17-1624-001			

FINAL Recently Submitted Filings

Filing Date	Filing Summary	Docket Number
05/02/2017	NYISO filing re: out of time motion to intervene and answer to the NYTO and Transco protests concerning the procedural aspects of the filing of a public policy transmission need cost allocation methodology	ER17-1310-000
05/03/2017	NYISO filing re: comments on DPS Staff's Initial Findings Report regarding natural gas service to electric generators	PSC Case No. 17-G-0011
05/08/2017	NYISO motion to intervene and comment re: Potomac Economics v PJM complaint alleging a pseudo tie requirement in certain tariff provisions	EL17-62-000
05/08/2017	NYISO compliance filing re: tariff revisions to comply with Order No. 831 - Offer Caps in Markets Operated by Regional Transmission Operators and Independent System Operators	
05/09/2017	NYISO 205 filing re: implementation agreement (SA 2336) with TC Ravenswood concerning NYSRC Reliability Rule G.2	ER17-1579-000
05/18/2017	NYISO 205 filing re: amendments to coordination agreement between ISONE and NYISO concerning the rules for pricing emergency energy	ER17-1621-000
05/18/2017	NYISO 205 filing re: notice of cancellation of SGIA (SA 1483) among the NYISO, Niagara Mohawk Power Corporation and Green Power Energy LLC	ER17-1624-000
05/22/2017	NYISO amendment filing re: to properly locate the proposed new OATT Section 6.17 - Schedule 17 – Rate Mechanism for the Recovery of the Western New York Facilities Charge for Non-Bulk Transmission Facilities ("WNY-FC") in the NYISO OATT	ER17-1629-001
05/22/2017	NYISO filing re: notification of emergency state condition in the NYCA on 05/21/2017	
05/30/2017	NYISO and Niagara Mohawk Power Corporation (NMPC) joint 205 filing re: large generator interconnection agreement (SA 2334) among the NYISO, NMPC and Copenhagen Wind Farm, LLC	ER17-1703-000
06/01/2017	NYISO filing re: request for an extension of time to submit FERC Form No. 714, Annual Electric Balancing Authority Area and Planning Area Report	
06/01/2017	NYISO filing re: semi-annual reports on new generation projects and demand response programs	ER03-647-000 ER01-3001-000
06/01/2017	NYISO informational filing re: evaluation of potential additional modifications to its rules governing capacity exports from certain localities in New York	ER17-446-000
06/08/2017	NYISO compliance filing re: two week advance notice of the effective date to implement 1) a balance-of-period Transmission Congestion Contract ("TCC") auction structure; and (ii) enhancements to the credit requirements for TCCs	ER17-1167-001
06/12/2017	NYISO filing of a motion to intervene and comment re: Bayonne Energy Center's request for waiver of a procedural deadline, which would allow NYISO to act on BEC's request for a Competitive Entry Exemption under the BSM rules	
06/14/2017	NYISO 205 filing re: notice of cancellation of a small generator interconnection agreement (SA 2090) among the NYISO, NYSEG and Monticello Hills Wind LLC	ER17-1816-000
06/19/2017	NYISO informational filing re: amended presentation – "NYISO 2015 Simultaneous Import Limit Determination," dated June 15, 2017	AD10-2-008

FINAL		
06/20/2017	NYISO electronic filing re: FERC Form No. 714, Annual Electric Balancing Authority Area and Planning Area Report NYISO letter re: informing FERC that it had filed Form No. 714	RM07-14-000
06/20/2017	NYISO 205 filing re: large generator interconnection agreement (SA 2341) among the NYISO, NMPC, and PSEG Power New York	ER17-1872-000
06/21/2017	NYISO 205 filing re: OATT Rate Schedule 1 revisions concerning cost recovery for the Ramapo Phase Angle Regulators	ER17-1879-000
06/21/2017	NYISO informational compliance filing re: transmittal letter only with copy of the Con Edison System Restoration Plan submitted with a CEII designation	ER12-2568-000
06/22/2017	NYISO post technical conference comments re: state policies and wholesale markets operated by ISO-NE, NYISO and PJM	AD17-11-000
07/05/2017	NYISO filing re: answer to the Green Power request for rehearing of FERC's order accepting a Notice of Cancellation of Green Power's Small Generator Interconnection Agreement	ER17-1624-001
07/10/2017	NYISO filing re: response to 05/24/17 deficiency letter requesting additional information regarding the NYISO's 03/27/17 filing of a regional cost allocation methodology pursuant to OATT Section 31.5.5.4.1	ER17-1310-001
07/14/2017	NYISO filing re: motion to intervene and comment concerning the Cricket Valley Energy Center petition for limited tariff waiver concerning its request for a competitive entry exemption under the NYISO's BSM Rules	ER17-1893-000
07/14/2017	NYISO 205 filing re: revisions to the Buyer Side Mitigation ("BSM") rules governing the forecasts determined and used by the NYISO in the course of making determinations under the BSM Rules	ER17-2096-000