NYISO CEO/COO Report

Bradley Jones President & Chief Executive Officer Rick Gonzales

Senior Vice President & Chief Operating Officer

Management Committee Meeting:

April 25, 2018 Rensselaer, NY



NYISO CEO/COO Report

CEO Report

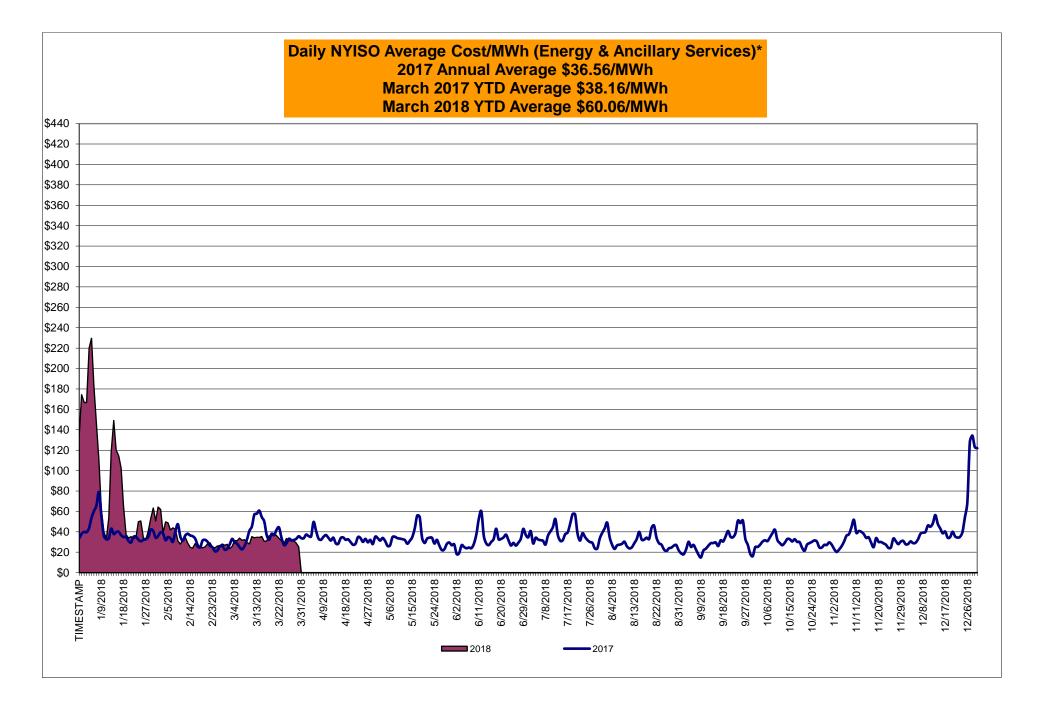
COO Report

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



Market Performance Highlights March 2018

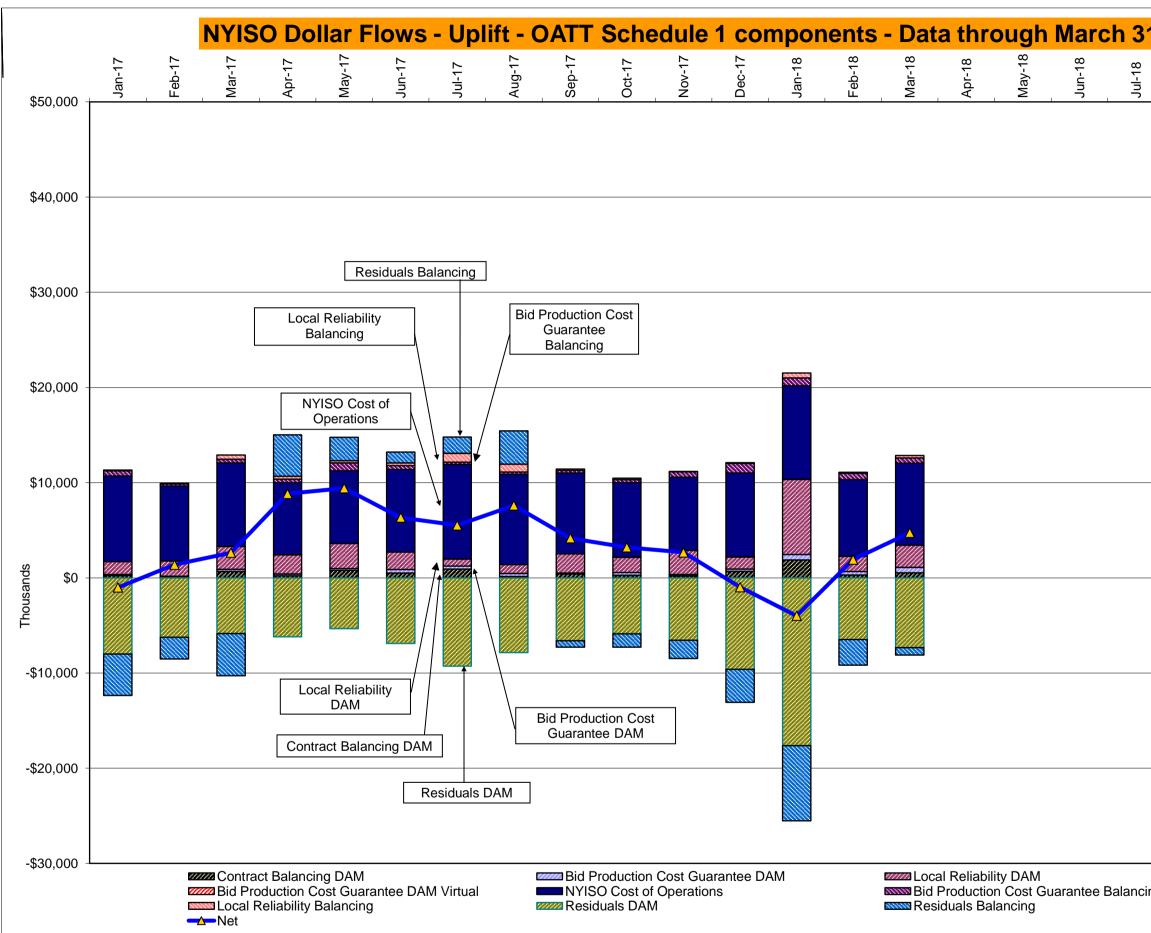
- LBMP for March is \$29.91/MWh; lower than \$33.83/MWh in February 2018 and \$34.97/MWh in March 2017.
 - Day Ahead and Real Time Load Weighted LBMPs are lower compared to February.
- March 2018 average year-to-date monthly cost of \$60.06/MWh is a 59% increase from \$37.81/MWh in March 2017.
- Average daily sendout is 413 GWh/day in March; lower than 426 GWh/day in February 2018 and 419 GWh/day in March 2017.
- Natural gas prices were lower and distillate prices were mixed compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$2.85/MMBtu, down from \$3.14/MMBtu in February.
 - Natural gas prices are down 18.2% year-over-year.
 - Jet Kerosene Gulf Coast was \$13.76/MMBtu, up from \$13.72/MMBtu in February.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$13.78/MMBtu, down from \$13.86/MMBtu in February.
 - Distillate prices are up 19.3% year-over-year.
- Uplift per MWh is higher compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.31)/MWh; higher than (\$0.50)/MWh in February.
 - Local Reliability Share is \$0.19/MWh, higher than \$0.14/MWh in February.
 - Statewide Share is (\$0.51)/MWh, higher than (\$0.64)/MWh in February.
 - TSA \$ per NYC MWh is \$0.04/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than February.



* Excludes ICAP payments.

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2018	January	February	March	<u>April</u>	May	June	July	August	<u>September</u>	October	November	December
LBMP	99.55	33.83	29.91	<u>//pm</u>	ividy	<u>oune</u>	oury	<u>//ugust</u>				December
NTAC	0.71	0.58	0.88									
Reserve	0.92	0.65	0.64									
Regulation	0.15	0.15	0.16									
NYISO Cost of Operations	0.65	0.65	0.66									
FERC Fee Recovery	0.08	0.10	0.09									
Uplift	(0.92)	(0.50)	(0.31)									
Uplift: Local Reliability Share	0.59	0.14	0.19									
Uplift: Statewide Share	(1.52)	(0.64)	(0.51)									
Voltage Support and Black Start	0.40	0.41	0.42									
Avg Monthly Cost	101.54	35.87	32.45									
Avg YTD Cost	101.54	72.85	60.06									
Avg TTD Cost	101.54	72.00	00.00									
TSA \$ per NYC MWh	0.00	0.00	0.04									
2017	January	February	March	<u>April</u>	May	June	<u>July</u>	August	<u>September</u>	October	November	December
LBMP	40.07	30.95	34.97	31.06	31.74	31.76	35.84	30.57	29.57	28.35	30.60	52.63
NTAC	0.66	1.11	0.86	1.05	0.79	0.62	0.87	0.59	0.62	0.50	0.75	0.81
Reserve	0.70	0.67	0.74	0.70	0.61	0.55	0.48	0.44	0.47	0.59	0.55	0.71
Regulation	0.14	0.12	0.13	0.17	0.16	0.13	0.10	0.10	0.11	0.13	0.20	0.15
NYISO Cost of Operations	0.65	0.65	0.65	0.65	0.62	0.63	0.63	0.63	0.63	0.62	0.61	0.60
FERC Fee Recovery	0.09	0.10	0.10	0.12	0.10	0.09	0.07	0.08	0.09	0.10	0.10	0.08
Uplift	(0.73)	(0.54)	(0.46)	0.12	0.10	(0.37)	(0.43)	(0.19)	(0.34)	(0.36)	(0.40)	(0.68)
Uplift: Local Reliability Share	0.10	0.13	0.21	0.20	0.24	0.15	0.11	0.12	0.16	0.14	0.20	0.09
Uplift: Statewide Share	(0.83)	(0.67)	(0.67)	(0.08)	(0.13)	(0.52)	(0.54)	(0.31)	(0.50)	(0.50)	(0.60)	(0.78)
Voltage Support and Black Start	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37
Avg Monthly Cost	41.96	33.44	37.38	34.26	34.52	33.80	37.94	32.60	31.54	30.31	32.79	54.67
Avg YTD Cost	41.96	38.02	37.81	37.05	36.54	36.01	36.35	35.80	35.34	34.89	34.72	36.56
TSA \$ per NYC MWh	0.00	0.00	0.00	0.08	0.12	0.56	0.42	0.23	0.00	0.00	0.00	0.00

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



DAM Contract Balancing amounts are for payments made to generating units to make them whole for being dispatched below their Day-Ahead schedule, as a result of out-of-merit dispatches. DAM Bid Production Cost Guarantees for Virtual Transactions are included in the chart and are shown from the inception of Virtual Transactions. These values are small and cannot be identified on the chart. DAM residuals consist of both energy and loss revenue collections and payments. By design, there is a net over collection of revenues due to the difference between the marginal losses paid to generation and the average losses charged to loads.

1,	2018					
	2018 Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	
1	Au	Se	õ	No		
ng						

NYISO Markets Transactions

<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>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Day Ahead Market MWh	15,153,751	12,643,854	13,521,386									
DAM LSE Internal LBMP Energy Sales	59%	57%	58%									
DAM External TC LBMP Energy Sales	4%	3%	2%									
DAM Bilateral - Internal Bilaterals	29%	31%	32%									
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	5%									
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%									
DAM Bilateral - Wheel Through Bilaterals	1%	2%	2%									
Balancing Energy Market MWh	-149,619	-299,377	-386,811									
Balancing Energy LSE Internal LBMP Energy Sales	-147%	-101%	-128%									
Balancing Energy External TC LBMP Energy Sales	74%	24%	37%									
Balancing Energy Bilateral - Internal Bilaterals	9%	24 <i>%</i> 5%	0%									
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	9 <i>%</i> 0%	0%	0%									
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	22%	0 % 9%	0 % 6%									
		-36%	-15%									
Balancing Energy Bilateral - Wheel Through Bilaterals	-58%	-30%	-13%									
Transactions Summary	2 221	=00/	=00/									
LBMP	63%	59%	59%									
Internal Bilaterals	30%	32%	33%									
Import Bilaterals	5%	5%	6%									
Export Bilaterals	2%	2%	2%									
Wheels Through	1%	1%	1%									
Market Share of Total Load												
Day Ahead Market	101.0%	102.4%	102.9%									
Balancing Energy +	-1.0%	-2.4%	-2.9%									
Total MWH	15,004,132	12,344,477	13,134,575									
Average Daily Energy Sendout/Month GWh	463	426	413									
2017 Day Ahead Market MWh	<u>January</u> 14,135,019	<u>February</u> 12,565,206	<u>March</u> 13,983,865	<u>April</u> 12,061,475	<u>May</u> 12,966,981	<u>June</u> 14,406,180	<u>July</u> 16,505,801	<u>August</u> 15,948,927	<u>September</u> 14,100,695	<u>October</u> 13,252,368	<u>November</u> 13,042,826	<u>December</u> 14,829,403
DAM LSE Internal LBMP Energy Sales	57%	57%	55%	54%	58%	60%	62%	61%	57%	55%	53%	55%
DAM External TC LBMP Energy Sales	2%	2%	1%	1%	1%	1%	1%	1%	1%	2%	3%	5%
DAM Bilateral - Internal Bilaterals	32%	32%			170	170				L /0	0,0	32%
DAM Bilateral - Importi/Non-LBMP Market Bilaterals	02/0		34%	35%	33%	31%	29%	29%	32%	34%	34%	
DAM Bilateral - Export/Non-LBMP Market Bilaterals	5%		34% 5%	35% 6%	33% 4%	31% 5%	29% 4%	29% 5%	32% 5%	34% 5%	34% 5%	
DAM Bilateral - Wheel Through Bilaterals	5% 2%	5%	5%	6%	4%	5%	4%	5%	5%	5%	5%	5%
	2%	5% 2%	5% 2%	6% 2%	4% 2%	5% 2%	4% 1%	5% 2%	5% 2%	5% 2%	5% 2%	5% 2%
	2% 2%	5% 2% 2%	5% 2% 2%	6% 2% 2%	4% 2% 2%	5% 2% 2%	4% 1% 3%	5% 2% 3%	5% 2% 4%	5% 2% 2%	5% 2% 3%	5% 2% 2%
Balancing Energy Market MWh	2% 2% -256,448	5% 2% 2% -407,284	5% 2% 2% -509,053	6% 2% 2% -466,426	4% 2% 2% -666,048	5% 2% 2% -564,312	4% 1% <u>3%</u> -747,473	5% 2% 3% -853,898	5% 2% 4% -633,990	5% 2% 2% -510,721	5% 2% <u>3%</u> -410,072	5% 2%
Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales	2% 2% -256,448 -157%	5% 2% 2% -407,284 -132%	5% 2% 2% -509,053 -148%	6% 2% 2% -466,426 -115%	4% 2% 2% -666,048 -120%	5% 2% 2% -564,312 -114%	4% 1% <u>3%</u> -747,473 -100%	5% 2% <u>3%</u> -853,898 -87%	5% 2% 4% -633,990 -76%	5% 2% 2% -510,721 -102%	5% 2% 3% -410,072 -108%	5% 2% 2% -254,003 -99%
Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales	2% 2% -256,448 -157% 64%	5% 2% 2% -407,284 -132% 39%	5% 2% 2% -509,053 -148% 44%	6% 2% 2% -466,426 -115% 22%	4% 2% 2% -666,048 -120% 28%	5% 2% 2% -564,312 -114% 23%	4% 1% <u>3%</u> -747,473 -100% 18%	5% 2% <u>3%</u> -853,898 -87% 13%	5% 2% 4% -633,990 -76% 12%	5% 2% 2% -510,721 -102% 26%	5% 2% 3% -410,072 -108% 45%	5% 2% <u>2%</u> -254,003 -99% 25%
Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals	2% 2% -256,448 -157% 64% 15%	5% 2% 2% -407,284 -132% 39% 8%	5% 2% 2% -509,053 -148% 44% 12%	6% 2% 2% -466,426 -115% 22% 5%	4% 2% 2% -666,048 -120% 28% 1%	5% 2% 2% -564,312 -114% 23% 4%	4% 1% <u>3%</u> -747,473 -100% 18% <u>3%</u>	5% 2% <u>3%</u> -853,898 -87% 13% 2%	5% 2% 4% -633,990 -76% 12% 3%	5% 2% 2% -510,721 -102% 26% 5%	5% 2% 3% -410,072 -108% 45% 5%	5% 2% 2% -254,003 -99% 25% -1%
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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 BMP Internal Bilaterals Import Bilaterals Export Bilaterals	2% 2% -256,448 -157% 64% 15% 0% 10% -32% 58% 33% 5% 2%	5% 2% 2% -407,284 -132% 39% 8% 4% 7% -26% 57% 34% 5% 2%	5% 2% 2% -509,053 -148% 44% 12% 0% 5% 5% -13% 55% 36% 5% 2%	6% 2% 2% -466,426 -115% 22% 5% 0% 4% -15% 54% 37% 6% 2%	4% 2% 2% -666,048 -120% 28% 1% 0% 3% -12% 58% 34% 4% 2%	5% 2% 2% -564,312 -114% 23% 4% 0% 3% -16% 60% 32% 5% 2%	4% 1% 3% -747,473 -100% 18% 3% 0% 1% -22% 62% 30% 5% 2%	5% 2% 3% -853,898 -87% 13% 2% 0% 1% -29% 61% 31% 5% 2%	5% 2% 4% -633,990 -76% 12% 3% 0% 1% -40% 58% 33% 5% 2%	5% 2% 2% -510,721 -102% 26% 5% 0% 4% -33% 56% 36% 5% 2%	5% 2% 3% -410,072 -108% 45% 5% 0% 7% -49% 56% 36% 5% 2%	5% 2% 2% -254,003 -99% 25% -1% 0% 9% -34% 60% 32% 5% 2%
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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 - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Wheels Through Market Share of Total Load	2% 2% -256,448 -157% 64% 15% 0% 10% -32% 58% 33% 5% 2% 2% 2%	5% 2% 2% -407,284 -132% 39% 8% 4% 7% -26% 57% 34% 5% 2% 2% 2%	5% 2% 2% -509,053 -148% 44% 12% 0% 5% 5% -13% 55% 36% 5% 2% 2% 2%	6% 2% 2% -466,426 -115% 22% 5% 0% 4% -15% 54% 37% 6% 2% 2% 2%	4% 2% 2% -666,048 -120% 28% 1% 0% 3% -12% 58% 34% 4% 2% 2% 2%	5% 2% 2% -564,312 -114% 23% 4% 0% 3% -16% 32% 5% 2% 1%	4% 1% 3% -747,473 -100% 18% 3% 0% 1% -22% 62% 30% 5% 2% 2% 2%	5% 2% 3% -853,898 -87% 13% 2% 0% 1% -29% 61% 31% 5% 2% 2% 2%	5% 2% 4% -633,990 -76% 12% 3% 0% 1% -40% 58% 33% 5% 2% 2% 2%	5% 2% 2% -510,721 -102% 26% 5% 0% 4% -33% 56% 36% 5% 2% 1%	5% 2% 3% -410,072 -108% 45% 5% 0% 7% -49% 56% 36% 5% 2% 1%	5% 2% 2% -254,003 -99% 25% -1% 0% 9% -34% 60% 32% 5% 2% 1%
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 BMP Internal Bilaterals Import Bilaterals Wheels Through Market Share of Total Load Day Ahead Market	2% 2% -256,448 -157% 64% 15% 0% 10% -32% 58% 33% 5% 2% 2% 2% 2%	5% 2% 2% -407,284 -132% 39% 8% 4% 7% -26% 57% 34% 5% 2% 2% 2%	5% 2% 2% -509,053 -148% 44% 12% 0% 5% -13% 55% 36% 5% 2% 2% 2% 2%	6% 2% 2% -466,426 -115% 22% 5% 0% 4% -15% 54% 37% 6% 2% 2% 2%	4% 2% 2% -666,048 -120% 28% 1% 0% 3% -12% 58% 34% 4% 2% 2% 2%	5% 2% 2% -564,312 -114% 23% 4% 0% 3% -16% 60% 32% 5% 2% 1%	4% 1% 3% -747,473 -100% 18% 3% 0% 1% -22% 62% 30% 5% 2% 2% 2% 2%	5% 2% 3% -853,898 -87% 13% 2% 0% 1% -29% 61% 31% 5% 2% 2% 2% 2%	5% 2% 4% -633,990 -76% 12% 3% 0% 1% -40% 58% 33% 5% 2% 2% 2% 2%	5% 2% 2% -510,721 -102% 26% 5% 0% 4% -33% 56% 36% 5% 2% 1%	5% 2% 3% -410,072 -108% 45% 5% 0% 7% -49% 56% 36% 5% 2% 1%	5% 2% 2% -254,003 -99% 25% -1% 0% 9% -34% 60% 32% 5% 2% 1%
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 - ImportI/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Balancing Energy Bilaterals UBMP Internal Bilaterals Import Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market Balancing Energy +	2% 2% -256,448 -157% 64% 15% 0% 10% -32% 58% 33% 5% 2% 2% 2%	5% 2% 2% -407,284 -132% 39% 8% 4% 7% -26% 57% 34% 5% 2% 2% 2% 2% 2% 2%	5% 2% 2% -509,053 -148% 44% 12% 0% 5% 5% -13% 55% 36% 5% 2% 2% 2% 2% 2% 2%	6% 2% 2% -466,426 -115% 22% 5% 0% 4% -15% 54% 37% 6% 2% 2% 2% 2% 2%	4% 2% 2% -666,048 -120% 28% 1% 0% 3% -12% 58% 34% 4% 2% 2% 2% 2% 2%	5% 2% 2% -564,312 -114% 23% 4% 0% 3% -16% 32% 5% 2% 1%	4% 1% 3% -747,473 -100% 18% 3% 0% 1% -22% 62% 30% 5% 2% 2% 2% 2% 2% 2%	5% 2% 3% -853,898 -87% 13% 2% 0% 1% -29% 61% 31% 5% 2% 2% 2% 2% 2%	5% 2% 4% -633,990 -76% 12% 3% 0% 1% -40% 58% 33% 5% 2% 2% 2% 2% 2%	5% 2% 2% -510,721 -102% 26% 5% 0% 4% -33% 56% 36% 5% 2% 1%	5% 2% 3% -410,072 -108% 45% 5% 0% 7% -49% 56% 36% 5% 2% 1%	5% 2% 2% -254,003 -99% 25% -1% 0% 9% -34% 60% 32% 5% 2% 1%
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 BMP Internal Bilaterals Import Bilaterals Wheels Through Market Share of Total Load Day Ahead Market	2% 2% -256,448 -157% 64% 15% 0% 10% -32% 58% 33% 5% 2% 2% 2% 2%	5% 2% 2% -407,284 -132% 39% 8% 4% 7% -26% 57% 34% 5% 2% 2% 2%	5% 2% 2% -509,053 -148% 44% 12% 0% 5% -13% 55% 36% 5% 2% 2% 2% 2%	6% 2% 2% -466,426 -115% 22% 5% 0% 4% -15% 54% 37% 6% 2% 2% 2%	4% 2% 2% -666,048 -120% 28% 1% 0% 3% -12% 58% 34% 4% 2% 2% 2%	5% 2% 2% -564,312 -114% 23% 4% 0% 3% -16% 60% 32% 5% 2% 1%	4% 1% 3% -747,473 -100% 18% 3% 0% 1% -22% 62% 30% 5% 2% 2% 2% 2%	5% 2% 3% -853,898 -87% 13% 2% 0% 1% -29% 61% 31% 5% 2% 2% 2% 2%	5% 2% 4% -633,990 -76% 12% 3% 0% 1% -40% 58% 33% 5% 2% 2% 2% 2%	5% 2% 2% -510,721 -102% 26% 5% 0% 4% -33% 56% 36% 5% 2% 1%	5% 2% 3% -410,072 -108% 45% 5% 0% 7% -49% 56% 36% 5% 2% 1%	5% 2% 2% -254,003 -99% 25% -1% 0% 9% -34%

+ 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.

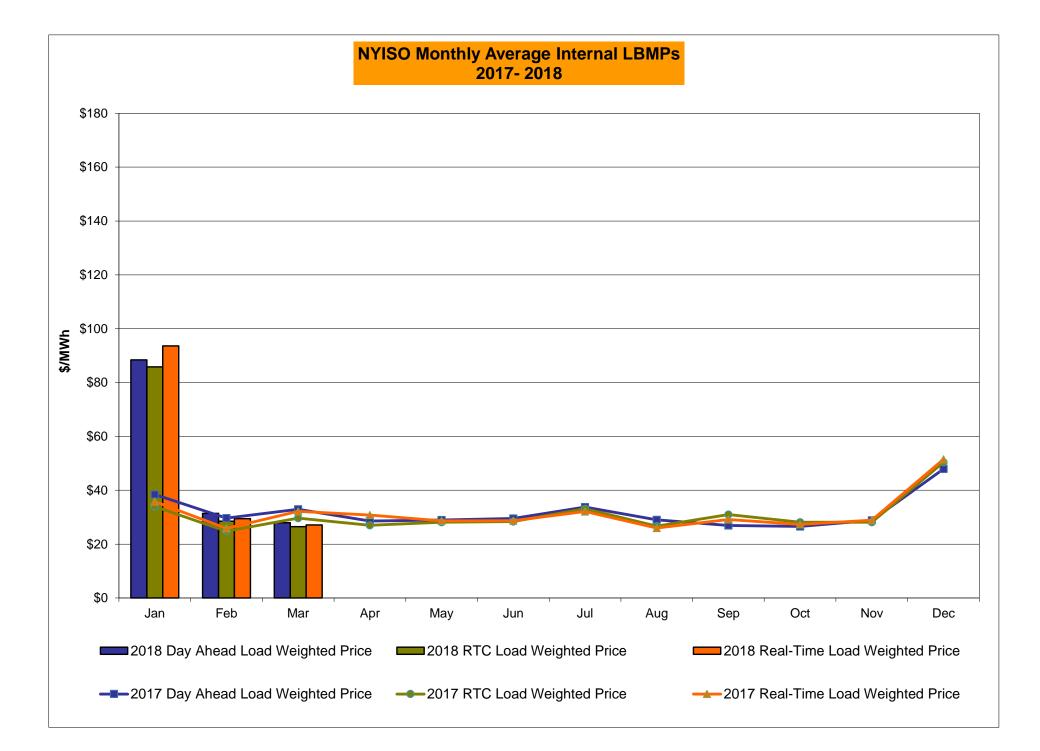
NYISO Markets 2018 Energy Statistics

	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	July	August September	October November December
DAY AHEAD LBMP									
Price *	\$83.53	\$30.37	\$27.37						
Standard Deviation	\$58.94	\$12.38	\$6.34						
Load Weighted Price **	\$88.42	\$31.44	\$27.95						
RTC LBMP									
Price *	\$81.65	\$27.73	\$25.99						
Standard Deviation	\$60.83	\$11.96	\$8.99						
Load Weighted Price **	\$85.85	\$28.54	\$26.46						
REAL TIME LBMP									
Price *	\$87.94	\$28.50	\$26.49						
Standard Deviation	\$87.41	\$17.36	\$12.25						
Load Weighted Price **	\$93.59	\$29.49	\$27.09						
Average Daily Energy Sendout/Month GWh	463	426	413						

NYISO Markets 2017 Energy Statistics

	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November [<u>December</u>
DAY AHEAD LBMP Price * Standard Deviation	\$37.22 \$13.20	\$28.84 \$7.97	\$32.04 \$11.95	\$27.70 \$7.66	\$27.66 \$9.47	\$27.37 \$12.37	\$31.64 \$13.51	\$27.28 \$10.60	\$25.05 \$12.09	\$25.49 \$8.53	\$27.88 \$9.87	\$45.46 \$31.56
Load Weighted Price **	\$38.42	\$29.66	\$32.96	\$28.56	\$28.95	\$29.52	\$33.78	\$29.00	\$26.95	\$26.55 \$26.57	\$28.83	\$47.90
RTC LBMP												
Price *	\$32.87	\$24.09	\$28.86	\$26.19	\$26.19	\$26.40	\$30.84	\$25.26	\$27.97	\$26.91	\$27.35	\$47.75
Standard Deviation	\$14.57	\$9.52	\$13.70	\$10.36	\$21.29	\$14.76	\$18.14	\$13.08	\$27.14	\$13.40	\$10.54	\$37.33
Load Weighted Price **	\$33.96	\$24.81	\$29.67	\$26.98	\$28.10	\$28.39	\$33.13	\$26.65	\$30.98	\$28.13	\$28.15	\$50.39
REAL TIME LBMP												
Price *	\$34.61	\$25.14	\$31.21	\$29.61	\$26.56	\$26.16	\$29.47	\$24.36	\$26.08	\$25.95	\$27.91	\$48.42
Standard Deviation	\$18.20	\$14.21	\$25.02	\$39.82	\$26.11	\$19.00	\$20.25	\$14.03	\$25.72	\$14.49	\$15.86	\$42.66
Load Weighted Price **	\$35.80	\$25.84	\$32.21	\$30.81	\$28.64	\$28.67	\$32.11	\$25.95	\$29.13	\$27.33	\$28.90	\$51.49
Average Daily Energy Sendout/Month GWh	431	418	419	377	383	454	498	477	437	398	403	444

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

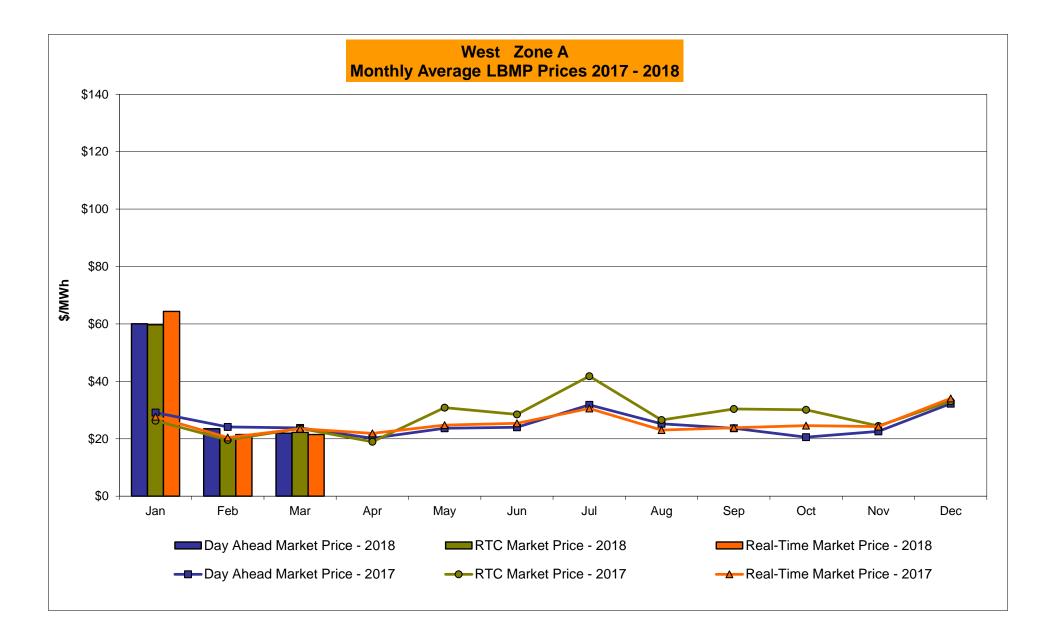


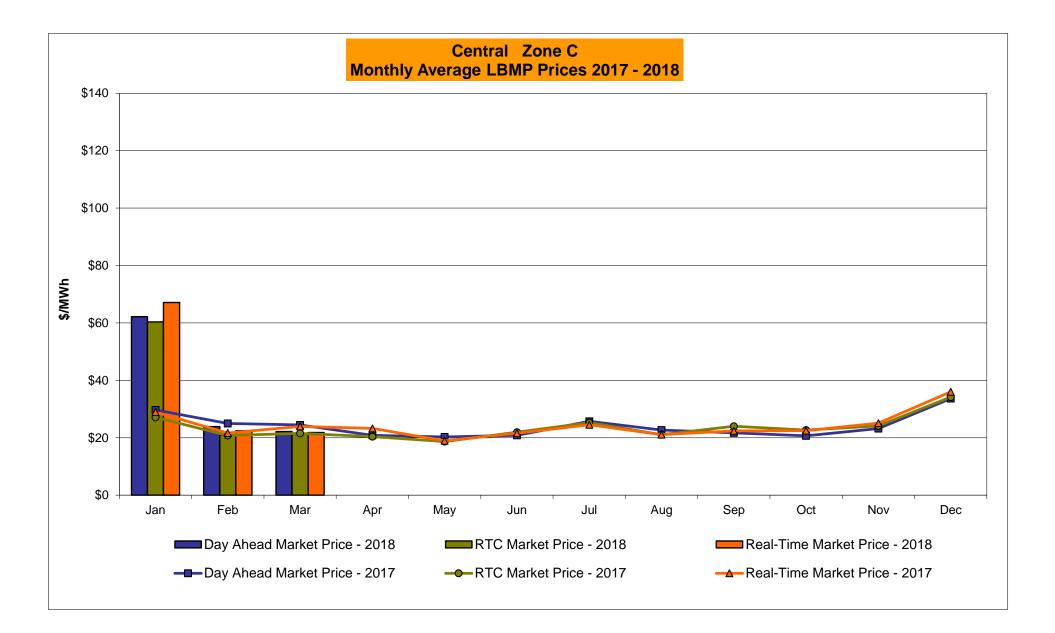
March 2018 Zonal LBMP Statistics for NYISO (\$/MWh)

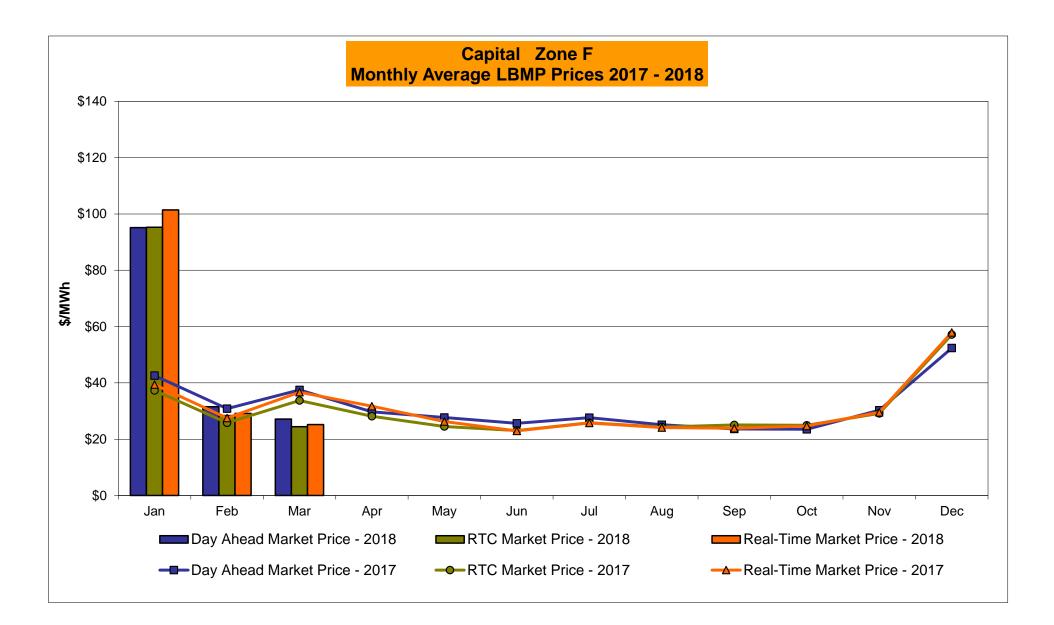
					MOHAWK		HUDSON			NEW YORK	LONG
	WEST	GENESEE	NORTH	CENTRAL	VALLEY	CAPITAL	VALLEY	MILLWOOD	DUNWOODIE	CITY	ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	<u>Zone I</u>	<u>Zone J</u>	<u>Zone K</u>
DAY AHEAD LBMP											
Unweighted Price *	21.91	21.31	19.22	22.14	22.12	27.13	26.46	26.69	26.66	31.98	31.89
Standard Deviation	6.47	6.12	6.82	6.34	6.42	6.15	6.00	6.08	6.05	7.44	7.63
RTC LBMP											
Unweighted Price *	22.20	20.30	19.37	21.33	21.32	24.45	24.32	24.48	24.49	29.92	31.19
Standard Deviation	18.39	8.53	9.59	9.00	8.79	8.15	8.28	8.33	8.28	13.37	19.47
REAL TIME LBMP											
Unweighted Price *	21.45	20.95	19.96	21.84	21.96	25.21	25.07	25.22	25.23	31.24	30.62
Standard Deviation	12.63	11.63	12.25	11.98	12.02	13.90	13.04	13.13	13.06	14.64	16.25

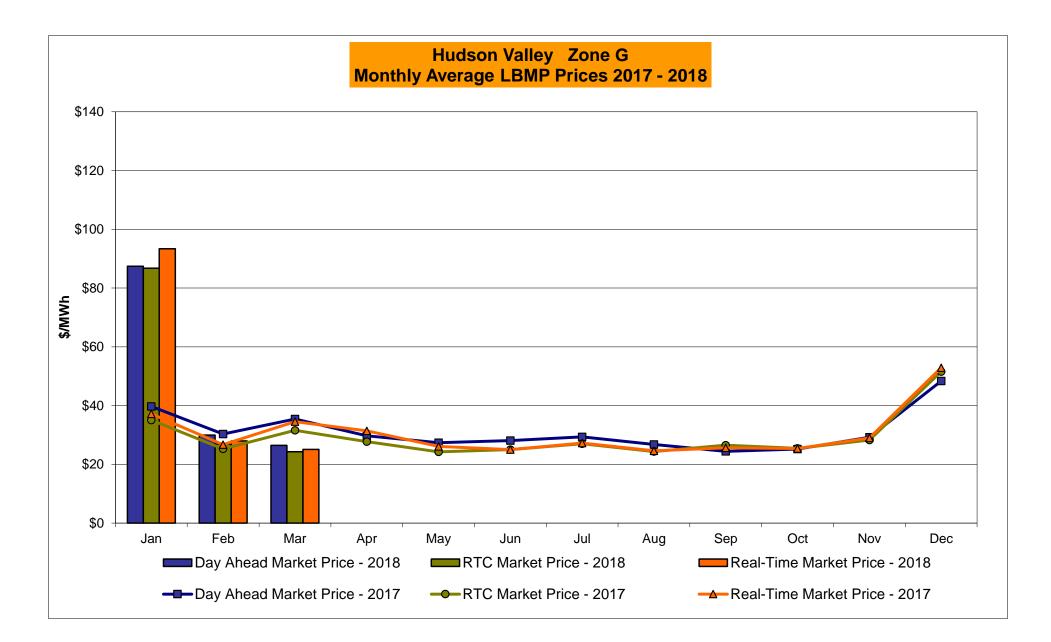
		HYDRO	HYDRO			CROSS	NODTUDODT				
	ONTARIO	QUEBEC	QUEBEC		NEW						_ .
	IESO	(Wheel)	(Import/Export)	PJM	ENGLAND	CABLE	NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
						<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>
	Zone O	Zone M	Zone M	Zone P	Zone N	Line	<u>Line</u>	<u>Line</u>	Line	Line	<u>Line</u>
DAY AHEAD LBMP											
Unweighted Price *	20.92	19.44	19.41	24.49	31.64	31.24	33.61	29.70	31.84	28.75	18.83
Standard Deviation	5.73	6.52	6.54	5.89	9.73	7.22	10.62	6.75	7.40	6.50	6.66
RTC LBMP											
Unweighted Price *	19.27	18.85	17.95	23.06	32.26	31.12	30.50	29.15	28.23	25.52	18.92
Standard Deviation	8.79	9.65	10.30	8.31	14.18	19.78	18.89	15.99	29.76	8.02	9.30
REAL TIME LBMP											
Unweighted Price *	20.06	19.69	19.02	23.22	29.07	30.80	31.28	29.01	24.64	26.27	15.98
Standard Deviation	11.38	11.75	11.94	12.59	13.80	18.14	18.72	15.60	46.74	12.86	10.97

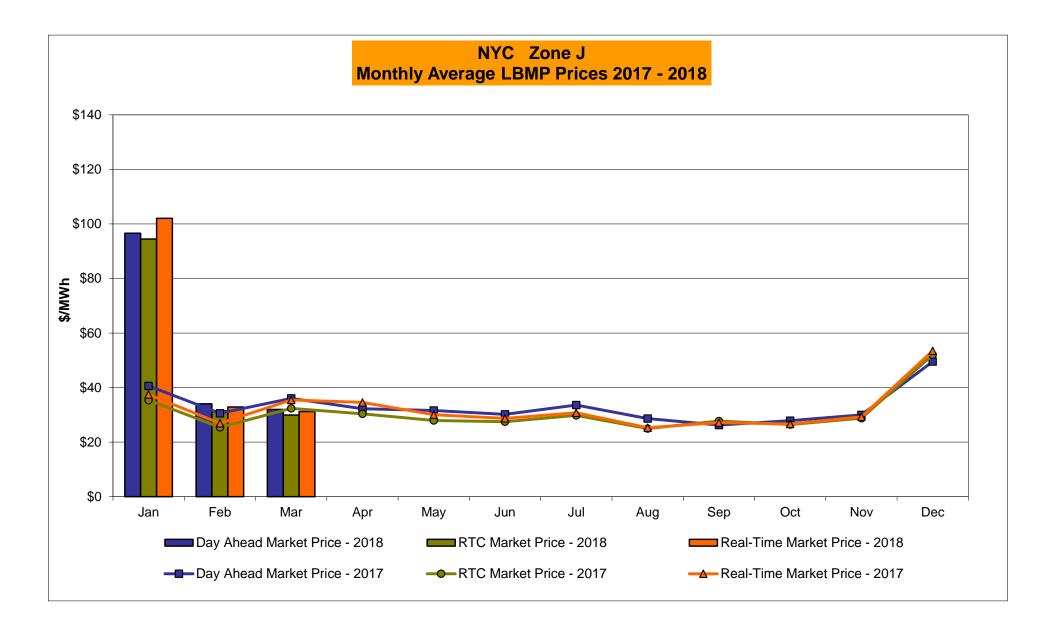
* Straight LBMP averages

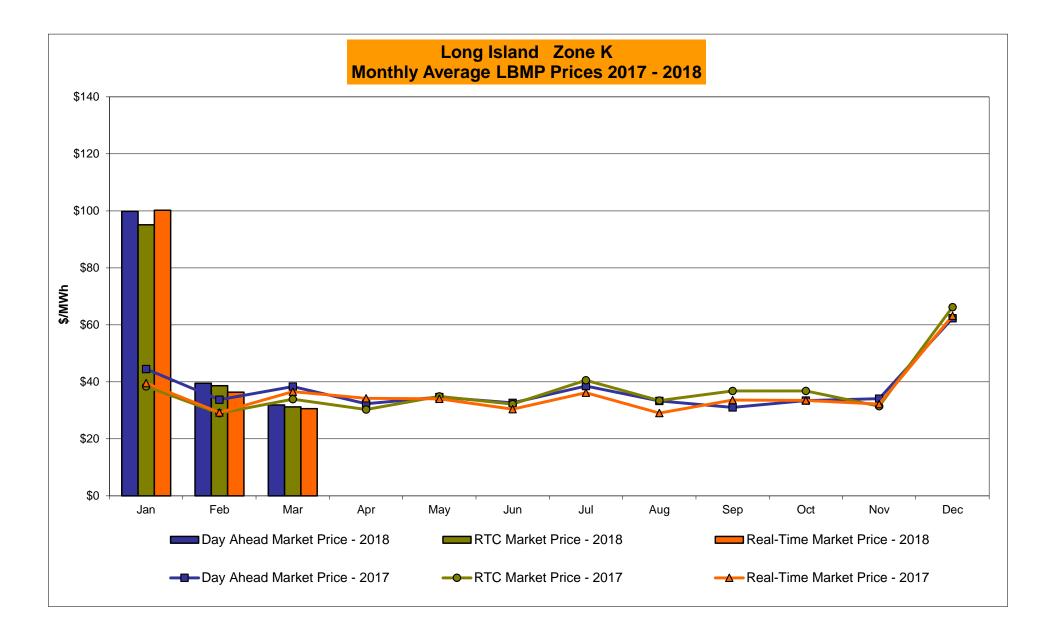


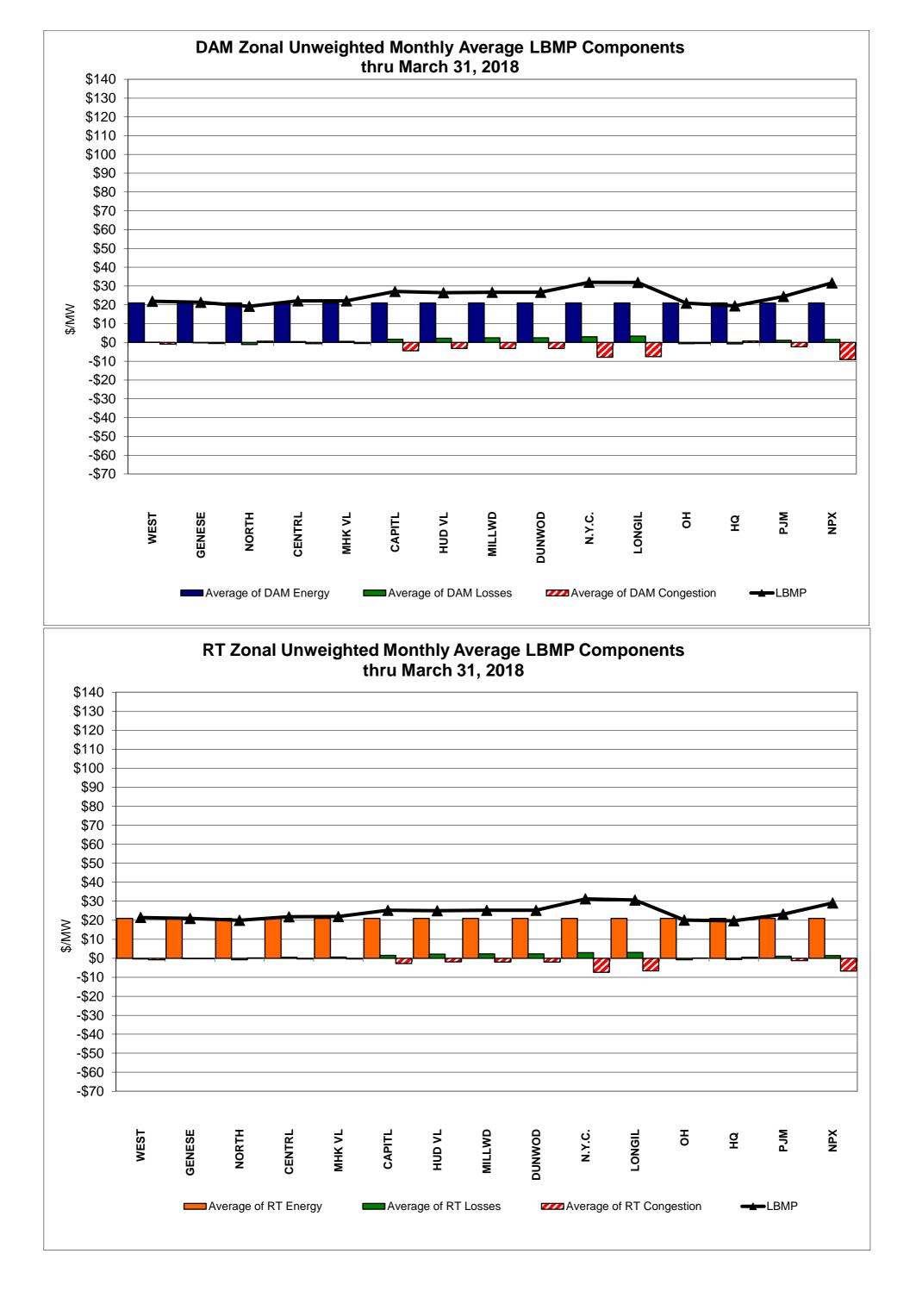




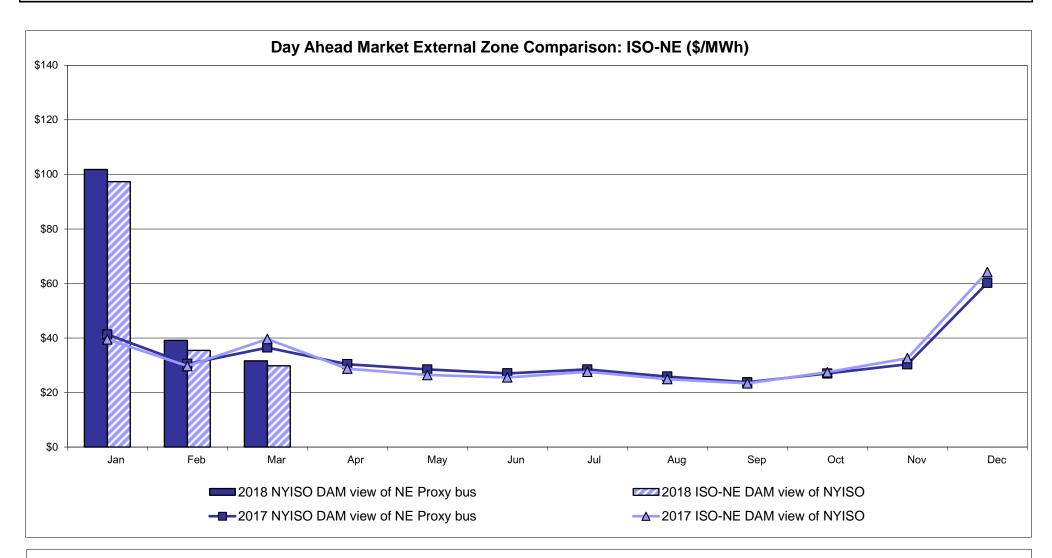


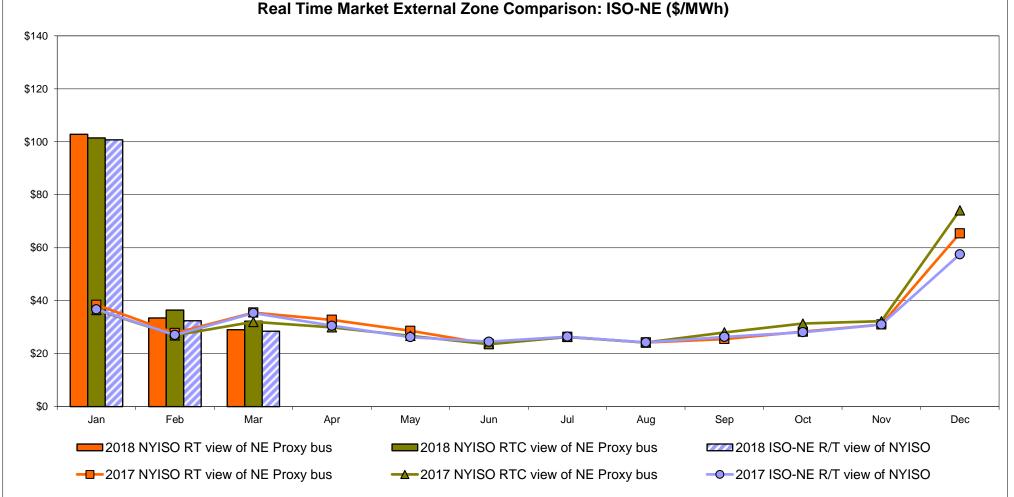


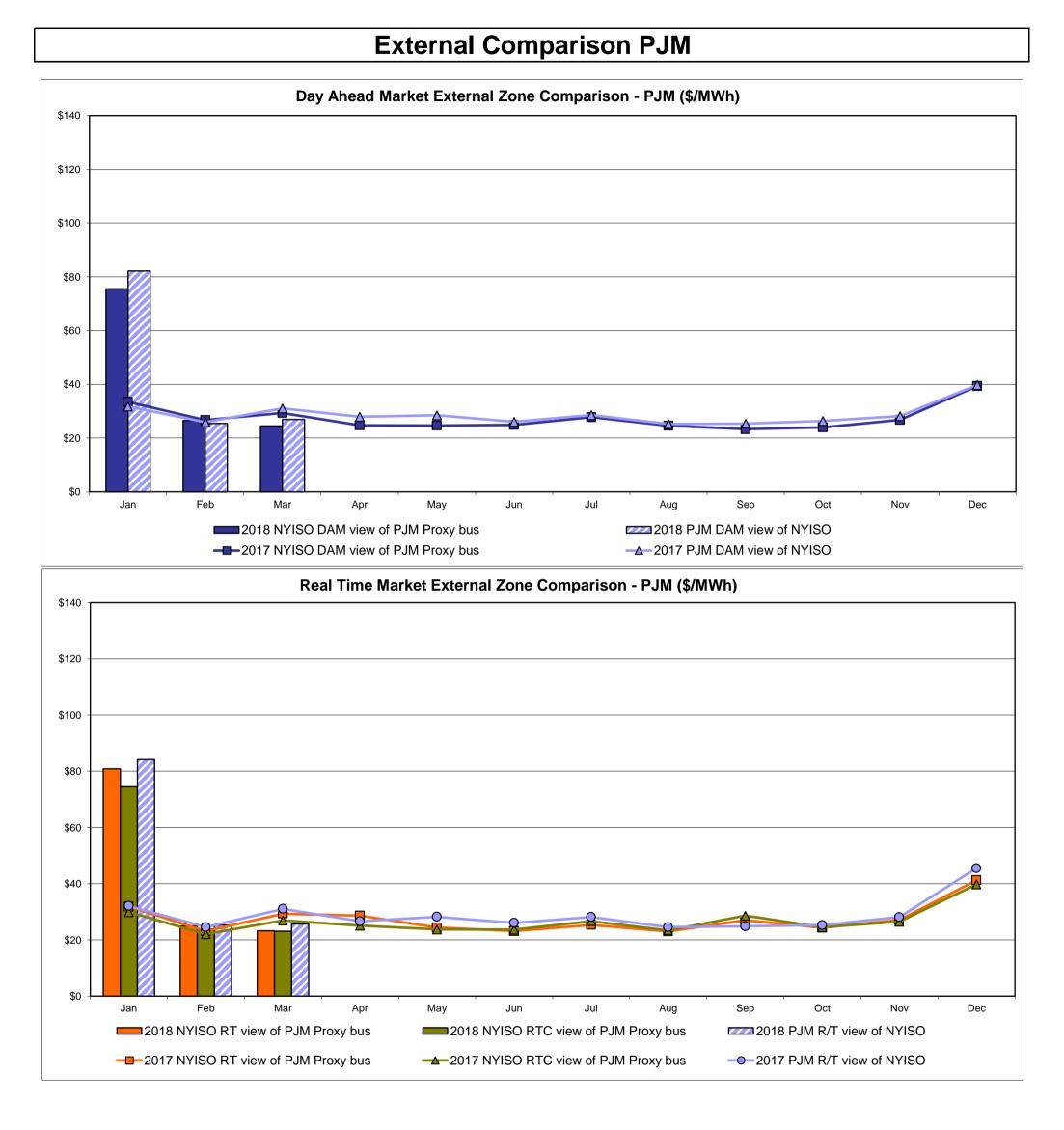




External Comparison ISO-New England

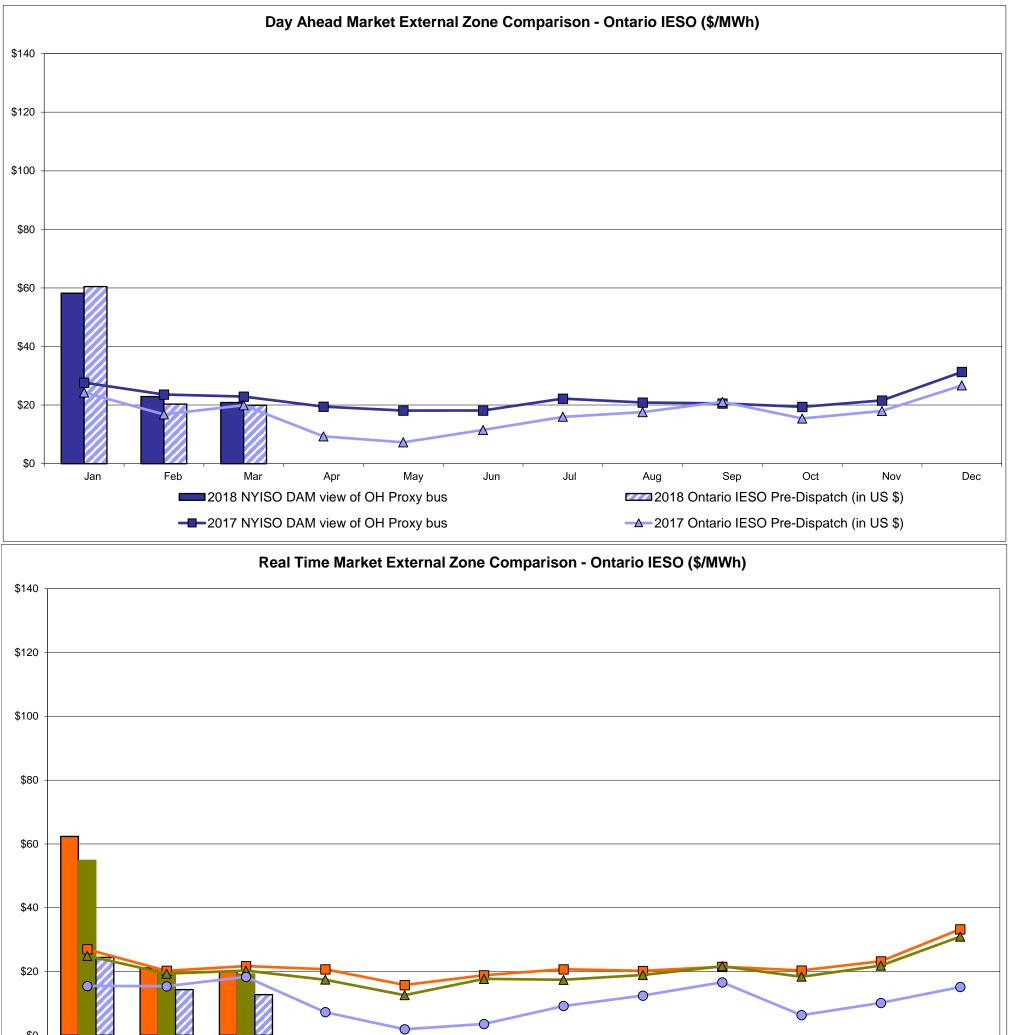






Market Mitigation and Analysis Prepared: 4/9/2018 12:03 PM

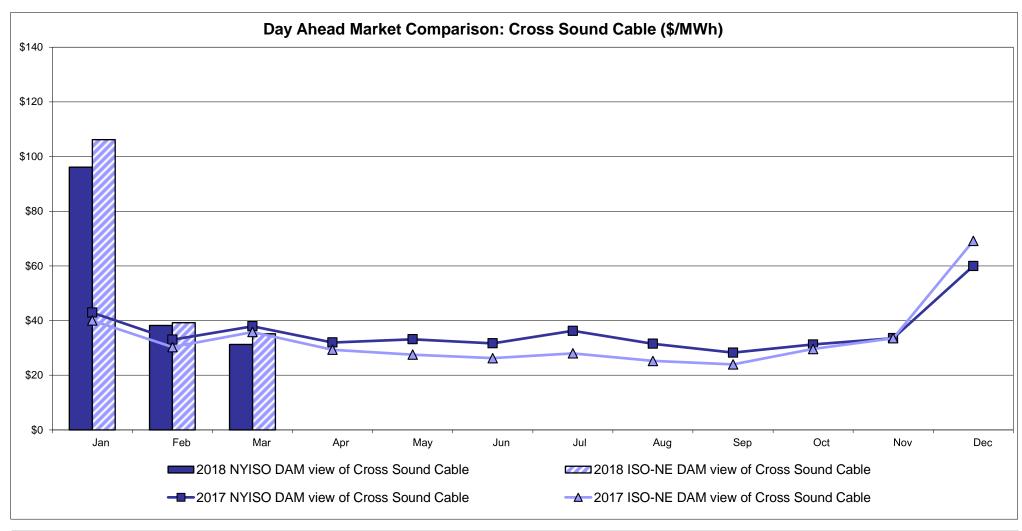
External Comparison Ontario IESO



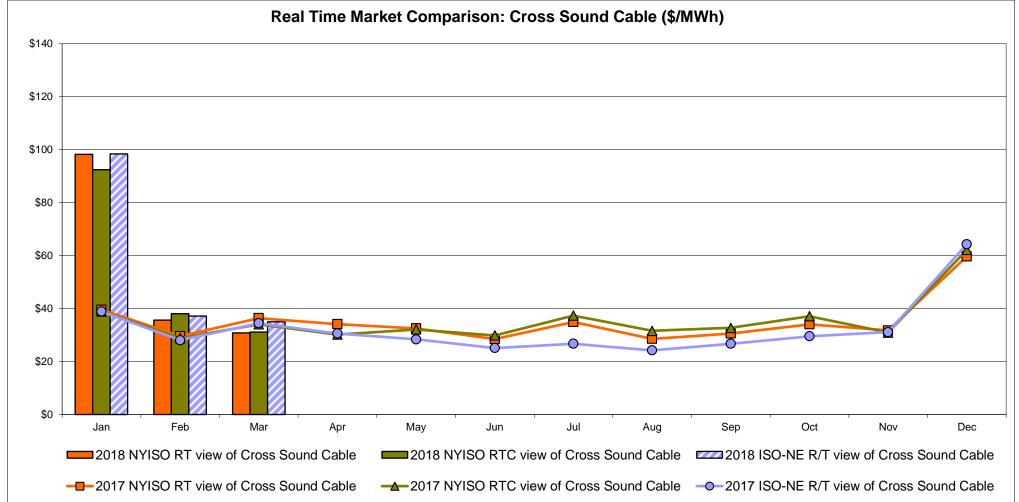
\$0 +				1		Т	1		1	I	1	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
					2010			rova / bulo	2010	Deterio IECO		•
	2010	NYISO RT vie		xy bus	2016	NTISO RIC	view of OH P	roxy bus	2018 0	Jniano iesc	HOEP (in US	·Φ)
	2017	NYISO RT vie	w of OH Pro	vy hue		NVISO RTC	view of OH P	rovy bus		Intaria IESC	HOEP (in US	: \$)
	2017			Ny Dus				TONY DUS	-0-2017			, Ψ)

Notes: Exchange factor used for March 2018 was 0.773215804531045 to US HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price

Market Mitigation and Analysis Prepared: 4/9/2018 12:03 PM



External Controllable Line: Cross Sound Cable (New England)

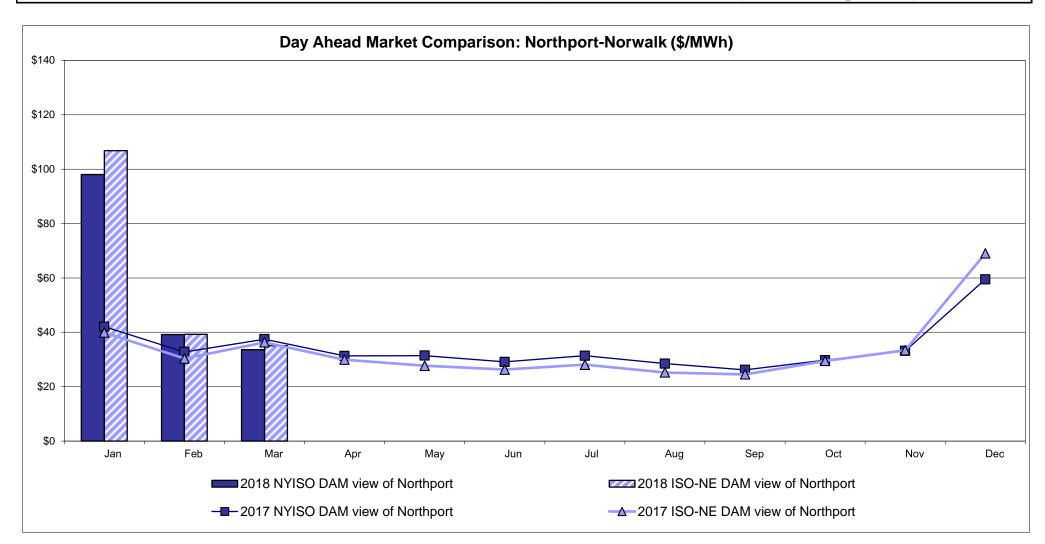


Note:

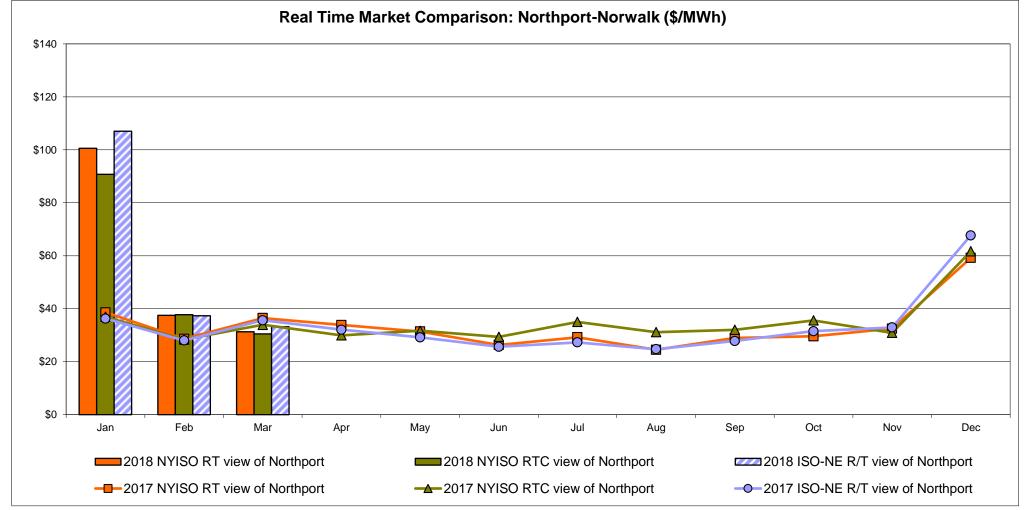
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

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



External Controllable Line: Northport - Norwalk (New England)



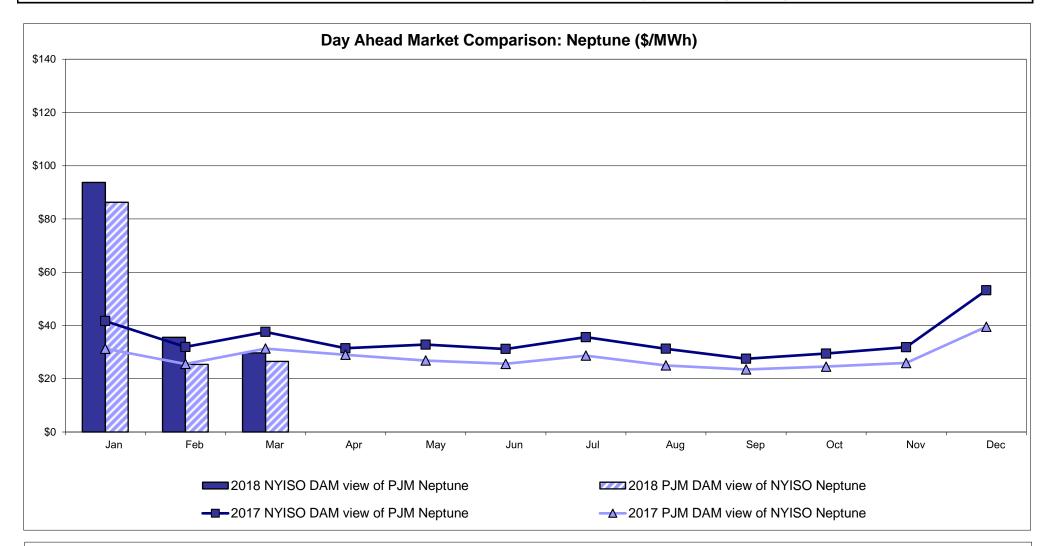
Note:

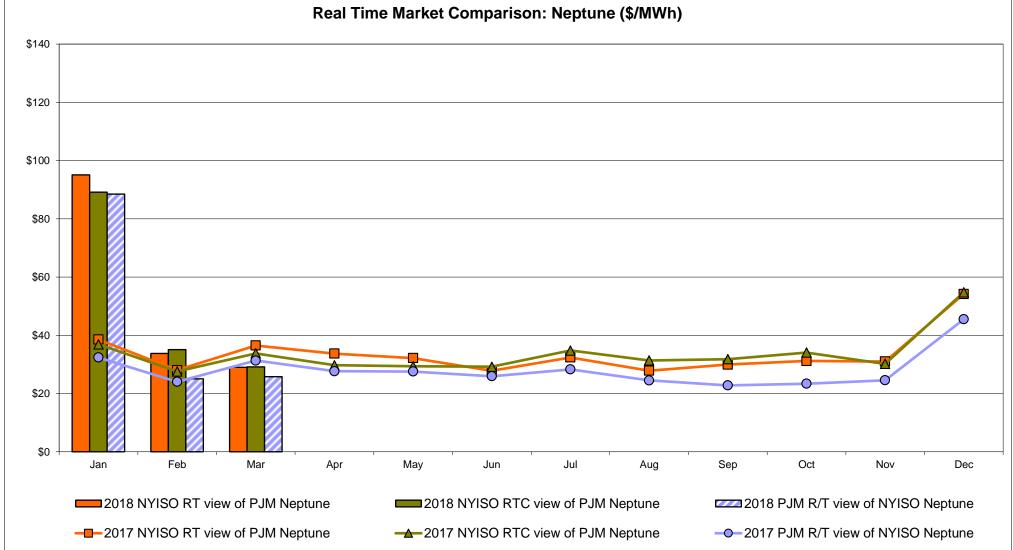
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

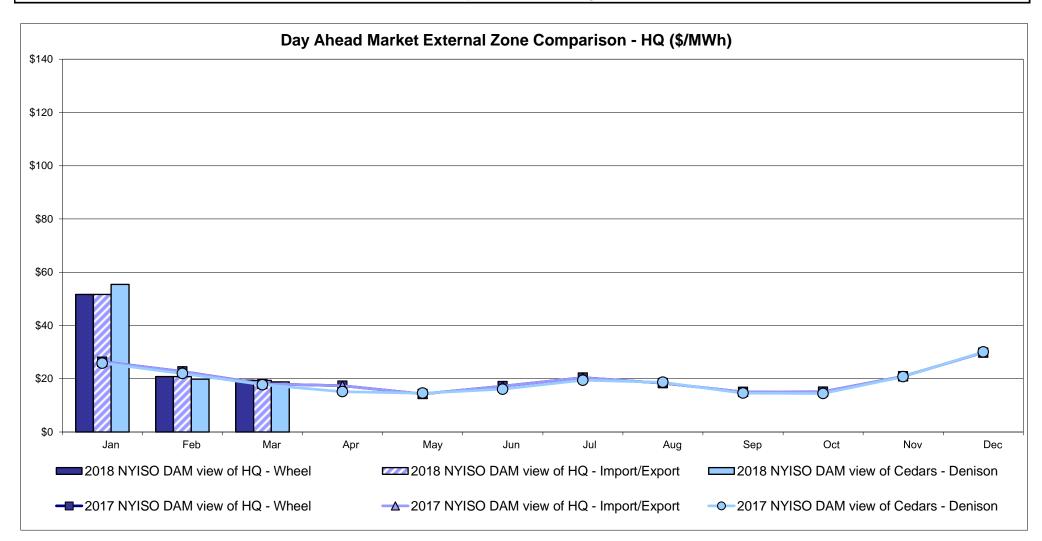
The DAM and R/T prices at the 1385 interface are used for NYISO.

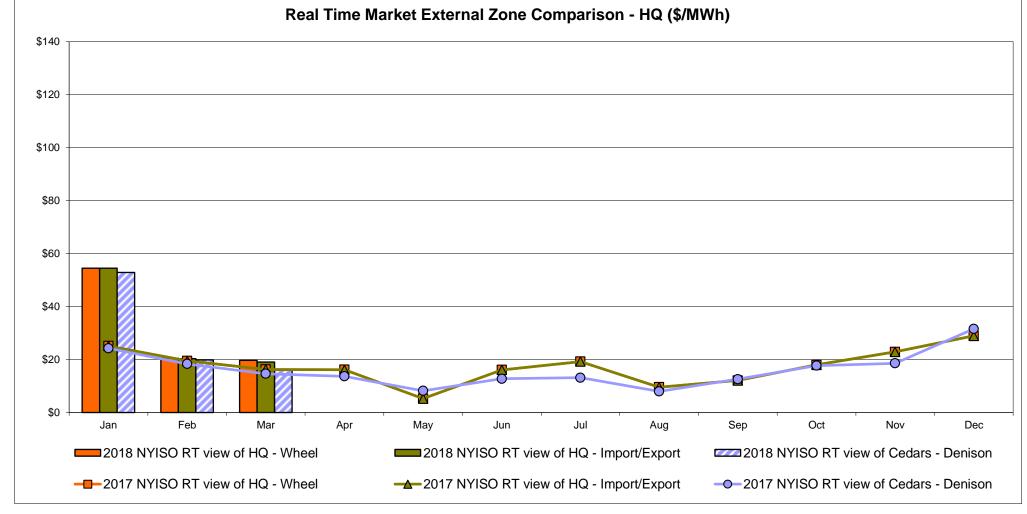
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

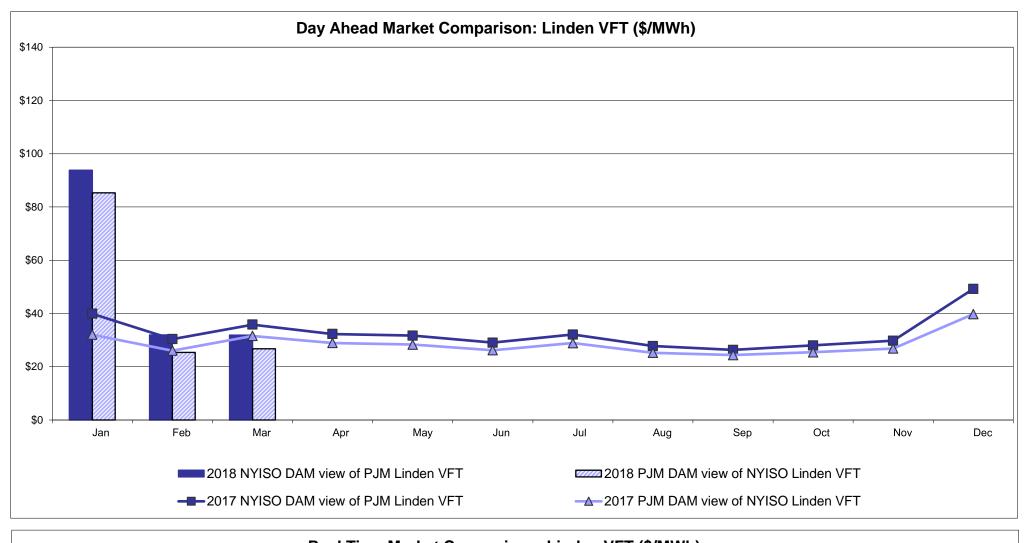


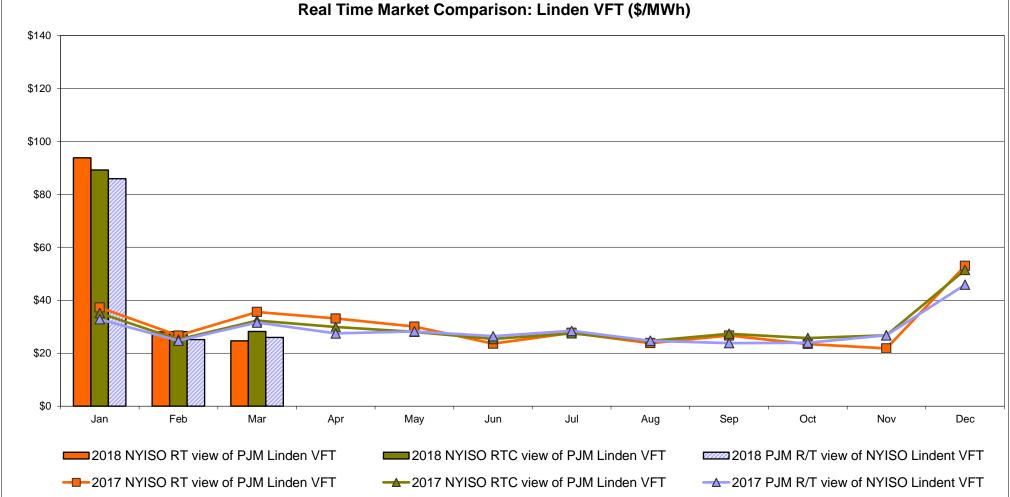


Note:

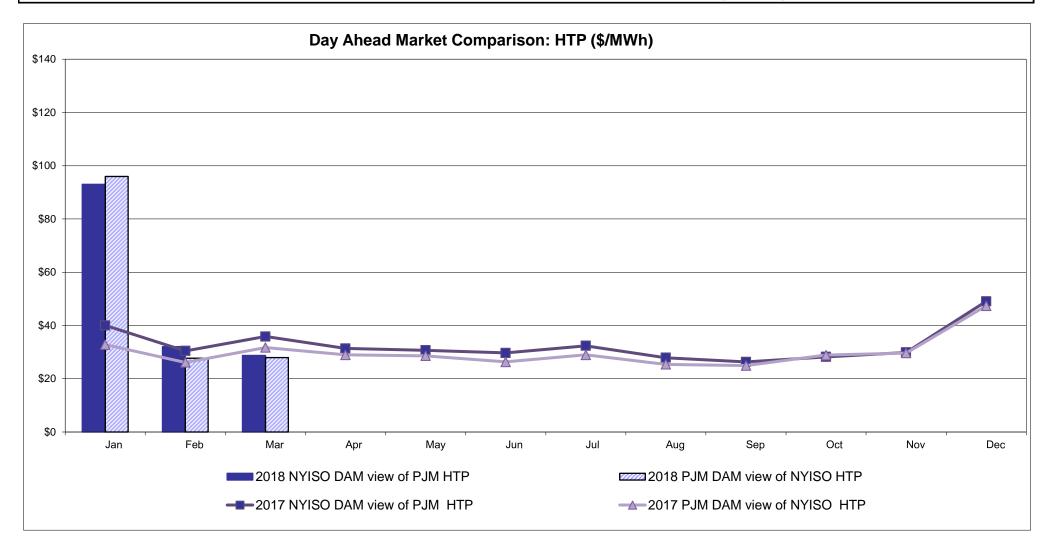
Hydro-Quebec Prices are unavailable.

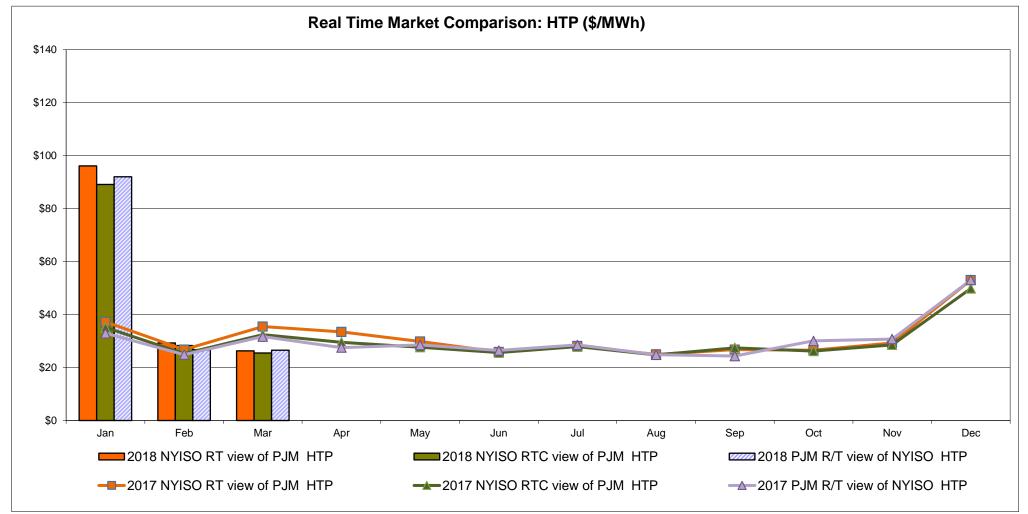
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)



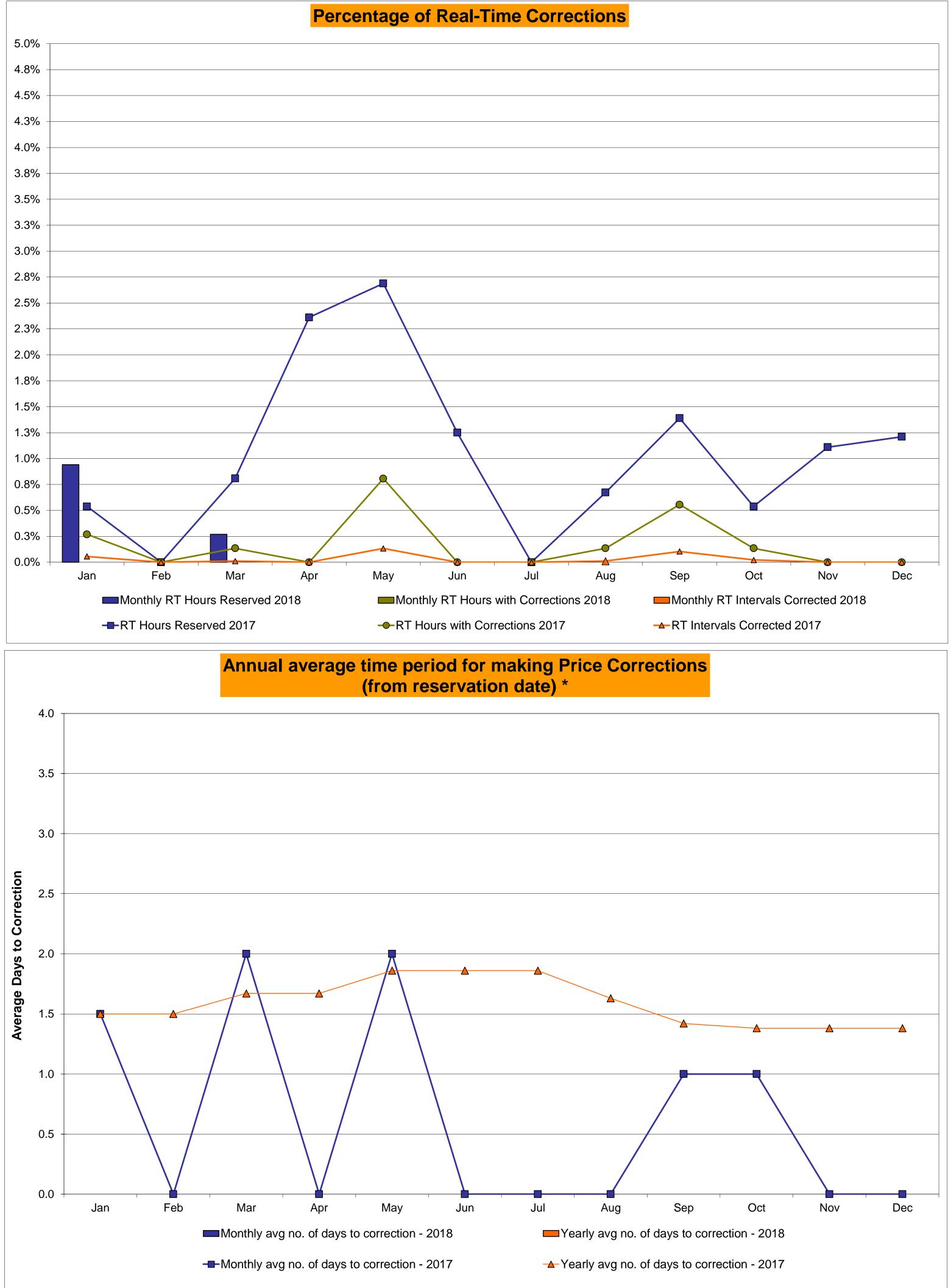


NYISO Real Time Price Correction Statistics

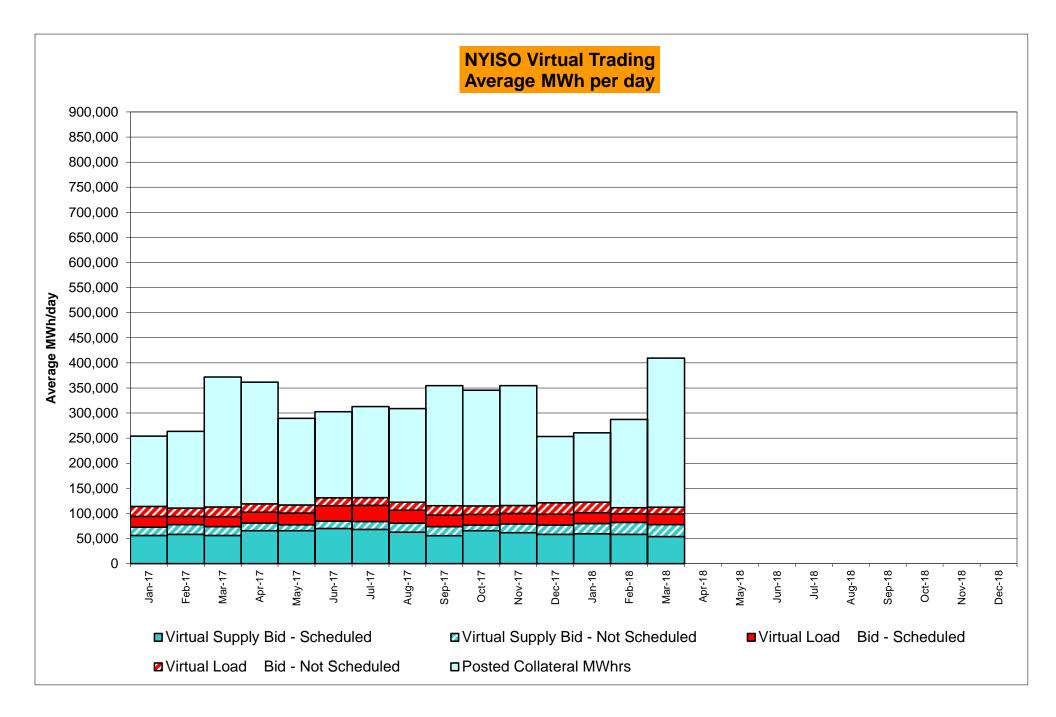
<u>2018</u>		<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	June	July	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Hour Corrections	in the menth	0	0	0									
Number of hours with corrections Number of hours	in the month in the month	0 744	0 672	0 743									
% of hours with corrections	in the month	0.00%	0.00%	0.00%									
	In the month	0.00%	0.00%	0.00%									
% of hours with corrections	year-to-date	0.00%	0.00%	0.00%									
Interval Corrections													
Number of intervals corrected	in the month	0	0	0									
Number of intervals	in the month	9,021	8,112	9,002									
% of intervals corrected	in the month	0.00%	0.00%	0.00%									
% of intervals corrected	year-to-date	0.00%	0.00%	0.00%									
Hours Reserved													
Number of hours reserved	in the month	7	0	2									
Number of hours	in the month	744	672	743									
% of hours reserved	in the month	0.94%	0.00%	0.27%									
% of hours reserved	year-to-date	0.94%	0.49%	0.42%									
Days to Correction *	•												
Avg. number of days to correction	in the month	0.00	0.00	0.00									
Avg. number of days to correction	year-to-date	0.00	0.00	0.00									
Days Without Corrections													
Days without corrections	in the month	31	28	31									
Days without corrections	year-to-date	31	59	90									
2017		lanuary	February	March	April	Mav	luna	lubz	August	Santambar	October	November	December
2017 Hour Corrections		<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	<u>December</u>
Hour Corrections	in the month			March	-			-	<u>August</u> 1	September	<u>October</u>		
Hour Corrections Number of hours with corrections	in the month	2	0	1	0	6	0	0	1	4	1	0	0
Hour Corrections Number of hours with corrections Number of hours	in the month	2 744	0 672	1 743	0 720	6 744	0 720	0 744	1 744	4 720	1 744	0 721	0 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	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%	0 744 0.00%	1 744 0.13%	4 720 0.56%	1 744 0.13%	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	2 744	0 672	1 743	0 720	6 744	0 720	0 744	1 744	4 720	1 744	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	2 744 0.27% 0.27%	0 672 0.00% 0.14%	1 743 0.13%	0 720 0.00% 0.10%	6 744 0.81% 0.25%	0 720 0.00% 0.21%	0 744 0.00% 0.18%	1 744 0.13%	4 720 0.56% 0.21%	1 744 0.13% 0.21%	0 721 0.00% 0.19%	0 744 0.00% 0.17%
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	2 744 0.27% <u>0.27%</u> 5	0 672 0.00% 0.14% 0	1 743 0.13% <u>0.14%</u> 1	0 720 0.00% 0.10%	6 744 0.81% <u>0.25%</u> 12	0 720 0.00% 0.21% 0	0 744 0.00% <u>0.18%</u> 0	1 744 0.13% <u>0.17%</u> 1	4 720 0.56% <u>0.21%</u> 9	1 744 0.13% <u>0.21%</u> 2	0 721 0.00% 0.19% 0	0 744 0.00% <u>0.17%</u> 0
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	2 744 0.27% <u>0.27%</u> 5 8,983	0 672 0.00% 0.14% 0 8,101	1 743 0.13% <u>0.14%</u> 1 9,026	0 720 0.00% 0.10% 0 8,745	6 744 0.81% <u>0.25%</u> 12 9,004	0 720 0.00% 0.21% 0 8,712	0 744 0.00% <u>0.18%</u> 0 8,968	1 744 0.13% <u>0.17%</u> 1 8,980	4 720 0.56% 0.21% 9 8,701	1 744 0.13% <u>0.21%</u> 2 9,006	0 721 0.00% 0.19% 0 8,712	0 744 0.00% <u>0.17%</u> 0 9,063
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	2 744 0.27% <u>0.27%</u> 5	0 672 0.00% 0.14% 0	1 743 0.13% <u>0.14%</u> 1	0 720 0.00% 0.10%	6 744 0.81% <u>0.25%</u> 12	0 720 0.00% 0.21% 0	0 744 0.00% <u>0.18%</u> 0	1 744 0.13% <u>0.17%</u> 1	4 720 0.56% <u>0.21%</u> 9	1 744 0.13% <u>0.21%</u> 2	0 721 0.00% 0.19% 0	0 744 0.00% <u>0.17%</u> 0
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	2 744 0.27% <u>0.27%</u> 5 8,983	0 672 0.00% 0.14% 0 8,101	1 743 0.13% <u>0.14%</u> 1 9,026	0 720 0.00% 0.10% 0 8,745	6 744 0.81% <u>0.25%</u> 12 9,004	0 720 0.00% 0.21% 0 8,712	0 744 0.00% <u>0.18%</u> 0 8,968	1 744 0.13% <u>0.17%</u> 1 8,980	4 720 0.56% 0.21% 9 8,701	1 744 0.13% <u>0.21%</u> 2 9,006	0 721 0.00% 0.19% 0 8,712	0 744 0.00% <u>0.17%</u> 0 9,063
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	2 744 0.27% <u>0.27%</u> 5 8,983 0.06%	0 672 0.00% <u>0.14%</u> 0 8,101 0.00%	1 743 0.13% <u>0.14%</u> 1 9,026 0.01%	0 720 0.00% 0.10% 0 8,745 0.00%	6 744 0.81% <u>0.25%</u> 12 9,004 0.13%	0 720 0.00% <u>0.21%</u> 0 8,712 0.00%	0 744 0.00% 0.18% 0 8,968 0.00%	1 744 0.13% <u>0.17%</u> 1 8,980 0.01%	4 720 0.56% <u>0.21%</u> 9 8,701 0.10%	1 744 0.13% <u>0.21%</u> 2 9,006 0.02%	0 721 0.00% <u>0.19%</u> 0 8,712 0.00%	0 744 0.00% <u>0.17%</u> 0 9,063 0.00%
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	2 744 0.27% <u>0.27%</u> 5 8,983 0.06%	0 672 0.00% <u>0.14%</u> 0 8,101 0.00%	1 743 0.13% <u>0.14%</u> 1 9,026 0.01%	0 720 0.00% 0.10% 0 8,745 0.00%	6 744 0.81% <u>0.25%</u> 12 9,004 0.13%	0 720 0.00% <u>0.21%</u> 0 8,712 0.00%	0 744 0.00% 0.18% 0 8,968 0.00%	1 744 0.13% <u>0.17%</u> 1 8,980 0.01%	4 720 0.56% <u>0.21%</u> 9 8,701 0.10%	1 744 0.13% <u>0.21%</u> 2 9,006 0.02%	0 721 0.00% <u>0.19%</u> 0 8,712 0.00%	0 744 0.00% <u>0.17%</u> 0 9,063 0.00%
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 correctedHours Reserved	in the month in the month year-to-date in the month in the month in the month year-to-date	2 744 0.27% <u>0.27%</u> 5 8,983 0.06% 0.06%	0 672 0.00% 0.14% 0 8,101 0.00% 0.03%	1 743 0.13% <u>0.14%</u> 1 9,026 0.01% 0.02%	0 720 0.00% 0.10% 0 8,745 0.00% 0.02%	6 744 0.81% 0.25% 12 9,004 0.13% 0.04%	0 720 0.00% 0.21% 0 8,712 0.00% 0.03%	0 744 0.00% 0.18% 0 8,968 0.00% 0.03%	1 744 0.13% <u>0.17%</u> 1 8,980 0.01% 0.03%	4 720 0.56% <u>0.21%</u> 9 8,701 0.10% 0.04%	1 744 0.13% <u>0.21%</u> 2 9,006 0.02% <u>0.03%</u>	0 721 0.00% 0.19% 0 8,712 0.00% 0.03%	0 744 0.00% <u>0.17%</u> 0 9,063 0.00% 0.03%
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 correctedMumber of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month	2 744 0.27% 0.27% 5 8,983 0.06% 0.06% 4	0 672 0.00% 0.14% 0 8,101 0.00% 0.03% 0	1 743 0.13% <u>0.14%</u> 1 9,026 0.01% <u>0.02%</u> 6	0 720 0.00% 0.10% 0 8,745 0.00% 0.02% 17	6 744 0.81% <u>0.25%</u> 12 9,004 0.13% <u>0.04%</u> 20	0 720 0.00% 0.21% 0 8,712 0.00% 0.03% 9	0 744 0.00% 0.18% 0 8,968 0.00% 0.03%	1 744 0.13% <u>0.17%</u> 1 8,980 0.01% <u>0.03%</u> 5	4 720 0.56% 0.21% 9 8,701 0.10% 0.04% 10	1 744 0.13% <u>0.21%</u> 2 9,006 0.02% <u>0.03%</u> 4	0 721 0.00% 0.19% 0 8,712 0.00% 0.03% 8	0 744 0.00% <u>0.17%</u> 0 9,063 0.00% <u>0.03%</u> 9
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with corrections <u>Mumber of hours with corrections</u> Interval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals corrected% of intervals correctedMumber 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	2 744 0.27% 0.27% 5 8,983 0.06% 0.06% 4 744	0 672 0.00% 0.14% 0 8,101 0.00% 0.03% 0 672	1 743 0.13% 0.14% 1 9,026 0.01% 0.02% 6 743	0 720 0.00% 0.10% 0 8,745 0.00% 0.02% 17 720	6 744 0.81% 0.25% 12 9,004 0.13% 0.04% 20 744	0 720 0.00% 0.21% 0 8,712 0.00% 0.03% 9 720 1.25%	0 744 0.00% 0.18% 0 8,968 0.00% 0.03% 0 744 0.00%	1 744 0.13% <u>0.17%</u> 1 8,980 0.01% 0.03% 5 744	4 720 0.56% 0.21% 9 8,701 0.10% 0.04% 10 720	1 744 0.13% 0.21% 2 9,006 0.02% 0.03% 4 744 0.54%	0 721 0.00% 0.19% 0 8,712 0.00% 0.03% 8 721 1.11%	0 744 0.00% <u>0.17%</u> 0 9,063 0.00% 0.03% 9 744
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 correctedMumber of hours reservedNumber of hours reservedNumber of hours reservedNumber of hours% of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month in the month in the month	2 744 0.27% 0.27% 0.27% 5 8,983 0.06% 0.06% 0.06% 4 744 0.54%	0 672 0.00% 0.14% 0 8,101 0.00% 0.03% 0 672 0.00%	1 743 0.13% 0.14% 1 9,026 0.01% 0.02% 6 743 0.81%	0 720 0.00% 0.10% 0 8,745 0.00% 0.02% 17 720 2.36%	6 744 0.81% 0.25% 12 9,004 0.13% 0.04% 20 744 2.69%	0 720 0.00% 0.21% 0 8,712 0.00% 0.03% 9 720	0 744 0.00% 0.18% 0 8,968 0.00% 0.03% 0 744	1 744 0.13% 0.17% 1 8,980 0.01% 0.03% 5 744 0.67%	4 720 0.56% 0.21% 9 8,701 0.10% 0.04% 10 720 1.39%	1 744 0.13% 0.21% 2 9,006 0.02% 0.03% 4 744	0 721 0.00% 0.19% 0 8,712 0.00% 0.03% 8 721	0 744 0.00% <u>0.17%</u> 0 9,063 0.00% <u>0.03%</u> 9 744 1.21%
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 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 year-to-date in the month in the month in the month in the month in the month	2 744 0.27% 0.27% 0.27% 5 8,983 0.06% 0.06% 0.06% 4 744 0.54%	0 672 0.00% 0.14% 0 8,101 0.00% 0.03% 0 672 0.00%	1 743 0.13% 0.14% 1 9,026 0.01% 0.02% 6 743 0.81%	0 720 0.00% 0.10% 0 8,745 0.00% 0.02% 17 720 2.36%	6 744 0.81% 0.25% 12 9,004 0.13% 0.04% 20 744 2.69%	0 720 0.00% 0.21% 0 8,712 0.00% 0.03% 9 720 1.25%	0 744 0.00% 0.18% 0 8,968 0.00% 0.03% 0 744 0.00%	1 744 0.13% 0.17% 1 8,980 0.01% 0.03% 5 744 0.67%	4 720 0.56% 0.21% 9 8,701 0.10% 0.04% 10 720 1.39%	1 744 0.13% 0.21% 2 9,006 0.02% 0.03% 4 744 0.54%	0 721 0.00% 0.19% 0 8,712 0.00% 0.03% 8 721 1.11%	0 744 0.00% <u>0.17%</u> 0 9,063 0.00% <u>0.03%</u> 9 744 1.21%
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 correctedMumber of hours reservedNumber 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 year-to-date	2 744 0.27% 0.27% 5 8,983 0.06% 0.06% 4 744 0.54% 0.54%	0 672 0.00% 0.14% 0 8,101 0.00% 0.03% 0 672 0.00% 0.28%	1 743 0.13% 0.14% 1 9,026 0.01% 0.02% 6 743 0.81% 0.46%	0 720 0.00% 0.10% 0 8,745 0.00% 0.02% 17 720 2.36% 0.94%	6 744 0.81% 0.25% 12 9,004 0.13% 0.04% 20 744 2.69% 1.30%	0 720 0.00% 0.21% 0 8,712 0.00% 0.03% 9 720 1.25% 1.29%	0 744 0.00% 0.18% 0 8,968 0.00% 0.03% 0 744 0.00% 1.10%	1 744 0.13% 0.17% 1 8,980 0.01% 0.03% 5 744 0.67% 1.05%	4 720 0.56% 0.21% 9 8,701 0.10% 0.04% 10 720 1.39% 1.08%	1 744 0.13% 0.21% 2 9,006 0.02% 0.03% 4 744 0.54% 1.03%	0 721 0.00% 0.19% 0 8,712 0.00% 0.03% 8 721 1.11% 1.04%	0 744 0.00% <u>0.17%</u> 0 9,063 0.00% <u>0.03%</u> 9 744 1.21% 1.05%
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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>2 744 0.27% 0.27% 0.27% 5 8,983 0.06% 0.06% 0.06% 4 744 0.54% 0.54% 0.54% 1.50</td><td>0 672 0.00% 0.14% 0 8,101 0.00% 0.03% 0.03% 0.03% 0.00% 0.28%</td><td>1 743 0.13% 0.14% 1 9,026 0.01% 0.02% 6 743 0.81% 0.81% 0.46% 2.00</td><td>0 720 0.00% 0.10% 0 8,745 0.00% 0.02% 17 720 2.36% 0.94% 0.00</td><td>6 744 0.81% 0.25% 12 9,004 0.13% 0.04% 20 744 2.69% 1.30% 2.00</td><td>0 720 0.00% 0.21% 0 8,712 0.00% 0.03% 9 720 1.25% 1.29% 0.00</td><td>0 744 0.00% 0.18% 0 8,968 0.00% 0.03% 0 744 0.00% 1.10% 0.00</td><td>1 744 0.13% 0.17% 1 8,980 0.01% 0.03% 5 744 0.67% 1.05% 0.00</td><td>4 720 0.56% 0.21% 9 8,701 0.10% 0.04% 10 720 1.39% 1.08% 1.00</td><td>1 744 0.13% 0.21% 2 9,006 0.02% 0.03% 4 744 0.54% 1.03% 1.00</td><td>0 721 0.00% 0.19% 0 8,712 0.00% 0.03% 8 721 1.11% 1.04% 0.00</td><td>0 744 0.00% 0.17% 0 9,063 0.00% 0.03% 9 744 1.21% 1.05% 0.00</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	2 744 0.27% 0.27% 0.27% 5 8,983 0.06% 0.06% 0.06% 4 744 0.54% 0.54% 0.54% 1.50	0 672 0.00% 0.14% 0 8,101 0.00% 0.03% 0.03% 0.03% 0.00% 0.28%	1 743 0.13% 0.14% 1 9,026 0.01% 0.02% 6 743 0.81% 0.81% 0.46% 2.00	0 720 0.00% 0.10% 0 8,745 0.00% 0.02% 17 720 2.36% 0.94% 0.00	6 744 0.81% 0.25% 12 9,004 0.13% 0.04% 20 744 2.69% 1.30% 2.00	0 720 0.00% 0.21% 0 8,712 0.00% 0.03% 9 720 1.25% 1.29% 0.00	0 744 0.00% 0.18% 0 8,968 0.00% 0.03% 0 744 0.00% 1.10% 0.00	1 744 0.13% 0.17% 1 8,980 0.01% 0.03% 5 744 0.67% 1.05% 0.00	4 720 0.56% 0.21% 9 8,701 0.10% 0.04% 10 720 1.39% 1.08% 1.00	1 744 0.13% 0.21% 2 9,006 0.02% 0.03% 4 744 0.54% 1.03% 1.00	0 721 0.00% 0.19% 0 8,712 0.00% 0.03% 8 721 1.11% 1.04% 0.00	0 744 0.00% 0.17% 0 9,063 0.00% 0.03% 9 744 1.21% 1.05% 0.00
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 hours reservedNumber of hours reserved% of hours reservedDays to Correction *Avg. number of days to correctionAvg. number of days to correctionDays 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 in the month year-to-date in the month year-to-date	2 744 0.27% 0.27% 0.27% 5 8,983 0.06% 0.06% 0.06% 4 744 0.54% 0.54% 0.54% 1.50 1.50	0 672 0.00% 0.14% 0 8,101 0.00% 0.03% 0.03% 0.03% 0.00% 0.28% 0.00 1.50	1 743 0.13% 0.14% 1 9,026 0.01% 0.02% 6 743 0.81% 0.46% 2.00 1.67	0 720 0.00% 0.10% 0 8,745 0.00% 0.02% 17 720 2.36% 0.94% 0.00 1.67	6 744 0.81% 0.25% 12 9,004 0.13% 0.04% 20 744 2.69% 1.30% 2.00 1.86	0 720 0.00% 0.21% 0 8,712 0.00% 0.03% 9 720 1.25% 1.29% 0.00 1.86	0 744 0.00% 0.18% 0 8,968 0.00% 0.03% 0.03% 0.03% 1.10% 0.00% 1.10%	1 744 0.13% 0.17% 1 8,980 0.01% 0.03% 5 744 0.67% 1.05% 0.00 1.63	4 720 0.56% 0.21% 9 8,701 0.10% 0.04% 10 720 1.39% 1.08% 1.00 1.42	1 744 0.13% 0.21% 2 9,006 0.02% 0.03% 4 744 0.54% 1.03% 1.00 1.38	0 721 0.00% 0.19% 0 8,712 0.00% 0.03% 8 721 1.11% 1.04% 0.00 1.38	0 744 0.00% 0.17% 0 9,063 0.00% 0.03% 9 744 1.21% 1.05% 0.00 1.38

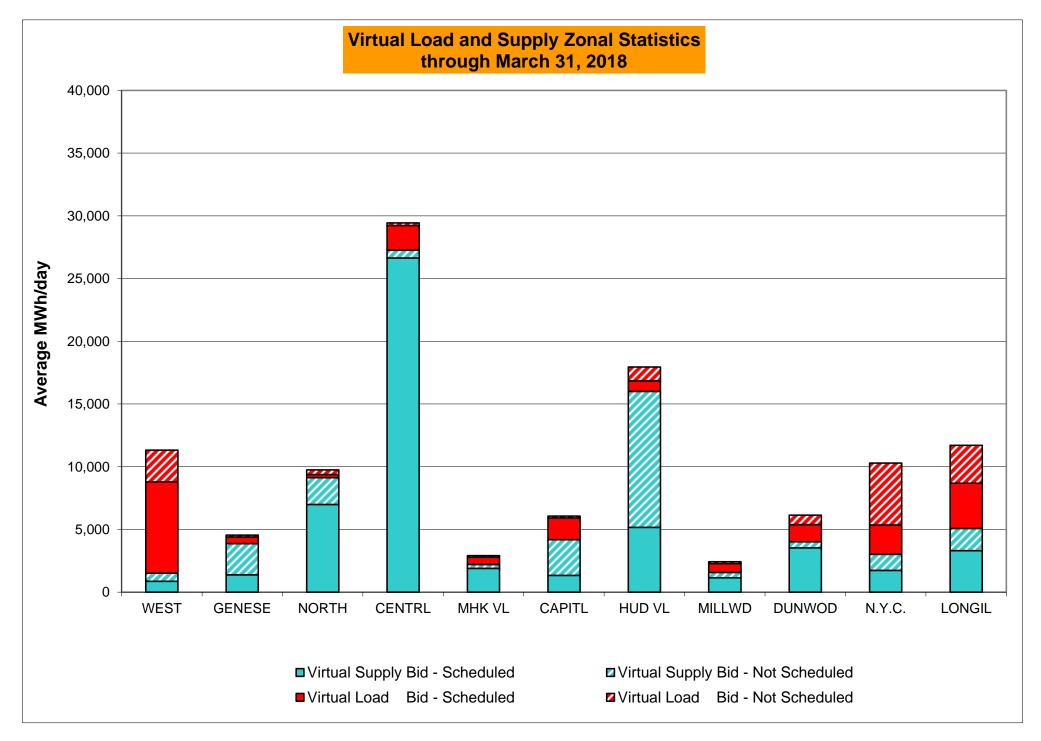
* Calendar days from reservation date.

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



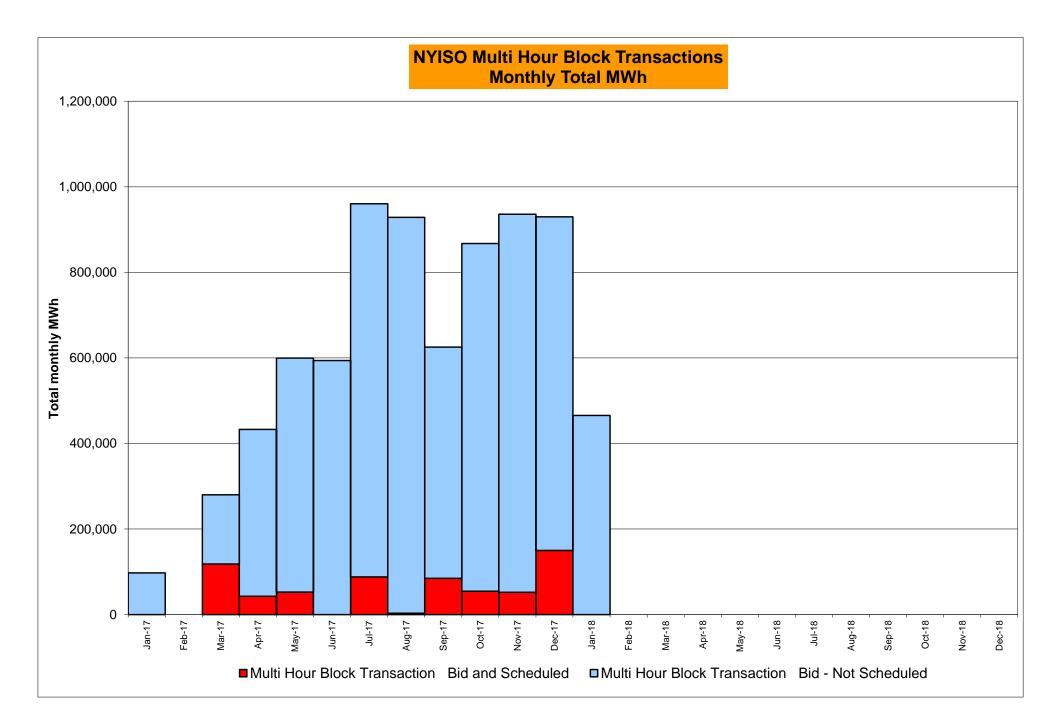
* Calendar days from reservation date.

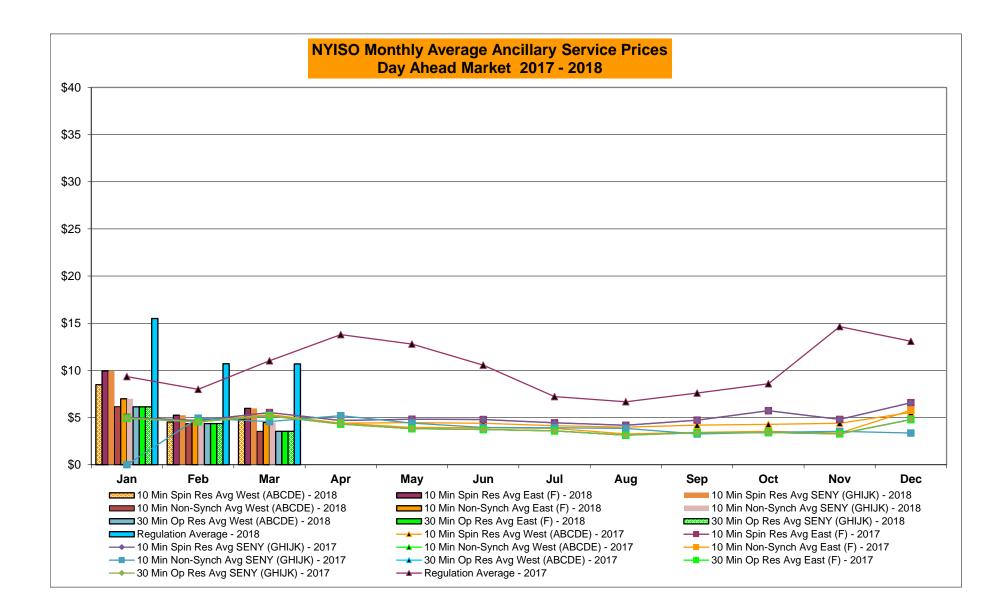


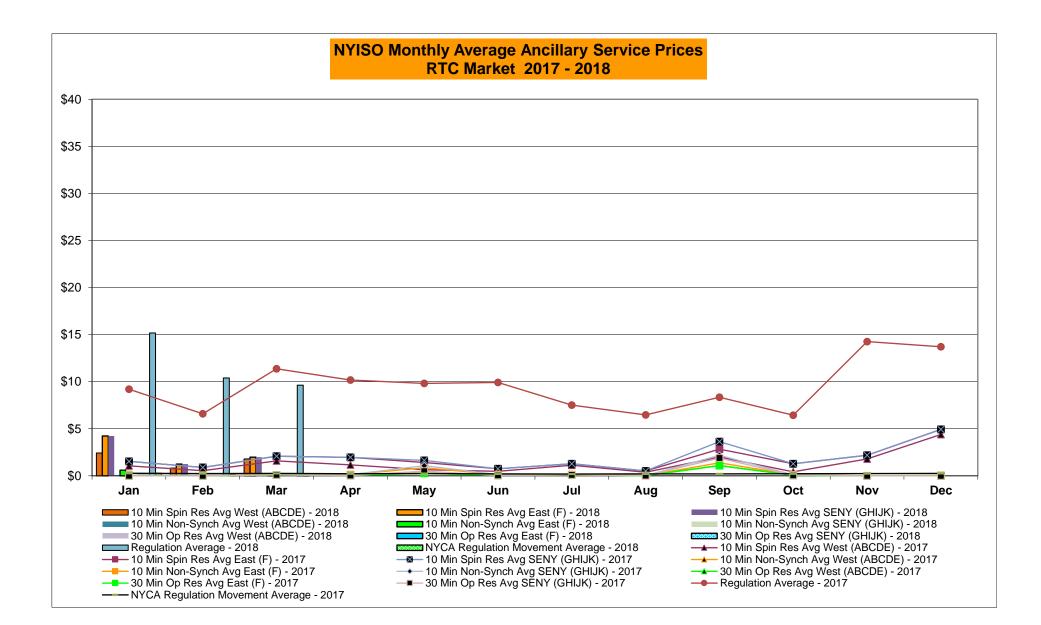


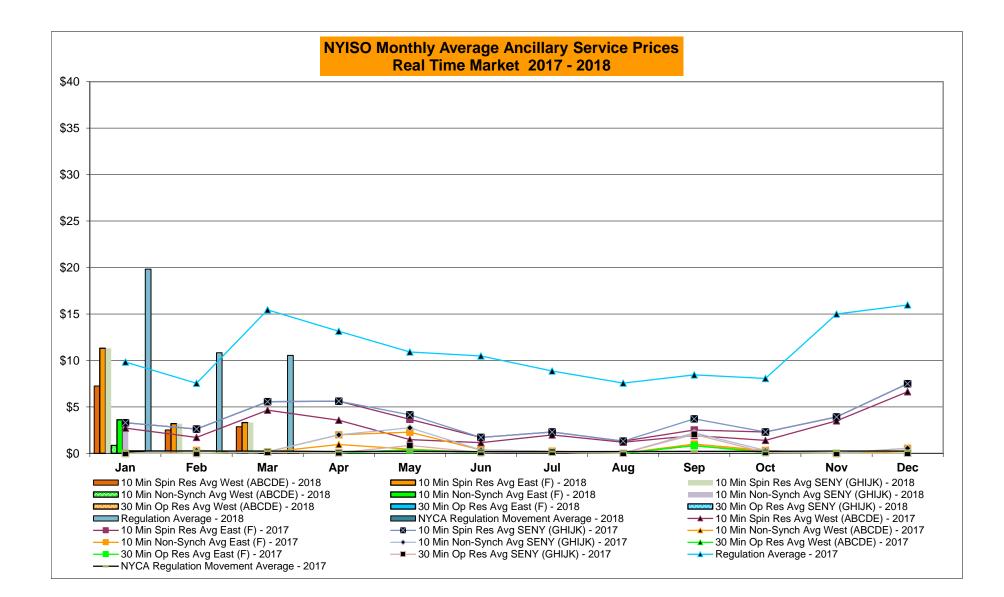
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2018

		Virtual L		Virtual S	upply Bid			Virtual L	oad Bid	Virtual Su	upply Bid			Virtual L	.oad Bid	Virtual Su	
_			Not		Not				Not		Not				Not		Not
Zone	Date	Scheduled		Scheduled	Scheduled	Zone	Date	Scheduled		Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled
VEST	Jan-18	4,761	4,241	1,938	427	MHK VL	Jan-18					DUNWOD		1,795	1,509	2,215	
	Feb-18 Mar-18	3,058 7,263		1,478 860		_	Feb-18						Feb-18 Mar-18	742	658 755	5,891 3,530	824 487
	Apr-18	7,203	2,535	000	009	_	Mar-18 Apr-18		139	1,090	309		Apr-18	1,307	/ 33	3,530	407
	May-18					_	May-18						May-18				
	Jun-18						Jun-18						Jun-18				
	Jul-18					_	Jul-18						Jul-18				
	Aug-18						Aug-18						Aug-18				
	Sep-18						Sep-18						Sep-18				
	Oct-18						Oct-18						Oct-18				
	Nov-18						Nov-18						Nov-18				
	Dec-18						Dec-18						Dec-18				
GENESE	Jan-18	554	310	3,772	2,739	CAPITL	Jan-18	2,291	1,751	1,887	2,212	N.Y.C.	Jan-18	4,302	5,885	1,359	704
	Feb-18	525		1,723	2,671		Feb-18				2,799		Feb-18	5,644	4,187	1,181	1,086
	Mar-18	537		1,381	2,488		Mar-18		156				Mar-18	2,346		1,727	1,285
	Apr-18			,			Apr-18			,			Apr-18		,		,
	May-18						May-18						May-18				
	Jun-18						Jun-18						Jun-18				
	Jul-18						Jul-18						Jul-18				
	Aug-18						Aug-18						Aug-18				
	Sep-18						Sep-18						Sep-18				
	Oct-18						Oct-18						Oct-18				
	Nov-18						Nov-18						Nov-18				
	Dec-18						Dec-18						Dec-18				
NORTH	Jan-18	274	282	8,259		HUD VL	Jan-18			5,029		LONGIL	Jan-18	3,335	3,714	1,932	
	Feb-18	352		7,449	2,777		Feb-18						Feb-18	2,800	2,591	3,061	2,605
	Mar-18	249	367	6,995	2,136		Mar-18		1,098	5,169	10,837		Mar-18	3,613	3,021	3,308	1,768
	Apr-18						Apr-18						Apr-18				
	May-18						May-18						May-18				
	Jun-18						Jun-18						Jun-18				
	Jul-18						Jul-18						Jul-18				
	Aug-18 Sep-18					_	Aug-18 Sep-18						Aug-18 Sep-18				
	Oct-18						Oct-18						Oct-18				
	Nov-18						Nov-18						Nov-18				
	Dec-18					-	Dec-18						Dec-18				
CENTRL	Jan-18	983		28,975		MILLWD	Jan-18					NYISO	Jan-18			59,437	
	Feb-18 Mar-18	595 1,977		28,161 26,643	483 614	_	Feb-18 Mar-18			1,284 1,144			Feb-18 Mar-18	17,423 21,217	11,608 13,494	58,172 53,984	
	Apr-18		200	20,043	014		Apr-18		141	1,144	+21		Apr-18		10,494	55,504	20,000
	May-18						May-18						May-18				
	Jun-18					-	Jun-18						Jun-18				
	Jul-18						Jul-18						Jul-18				
	Aug-18						Aug-18						Aug-18				
	Sep-18					\neg	Sep-18						Sep-18				
	Oct-18						Oct-18						Oct-18				
	Nov-18						Nov-18						Nov-18				
	Dec-18						Dec-18						Dec-18				









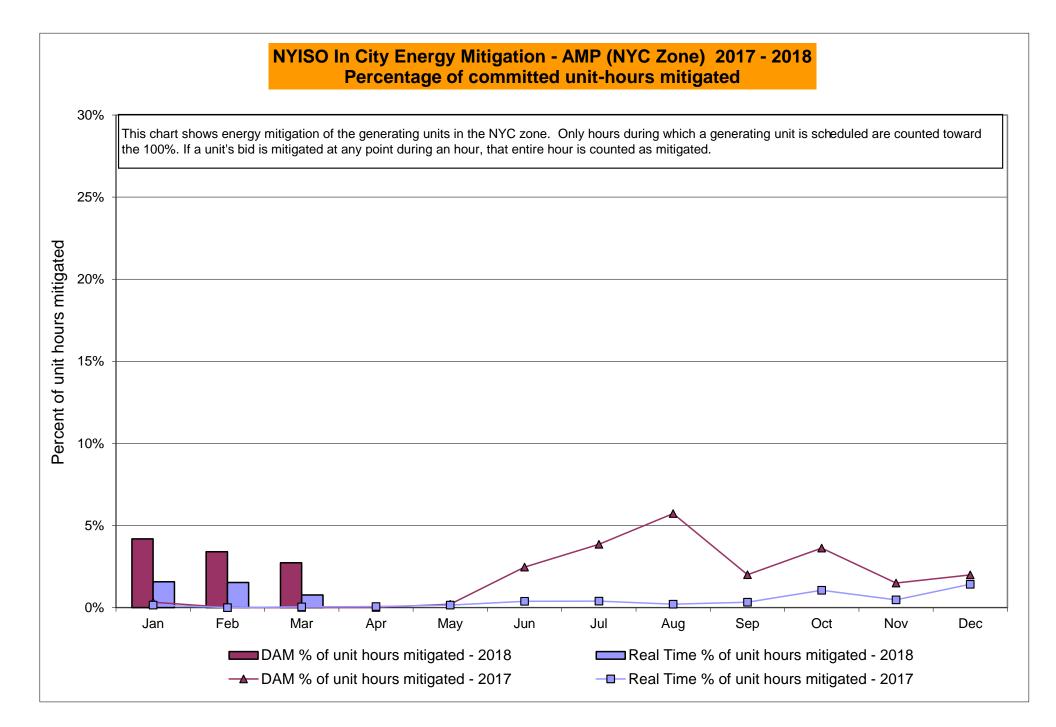
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

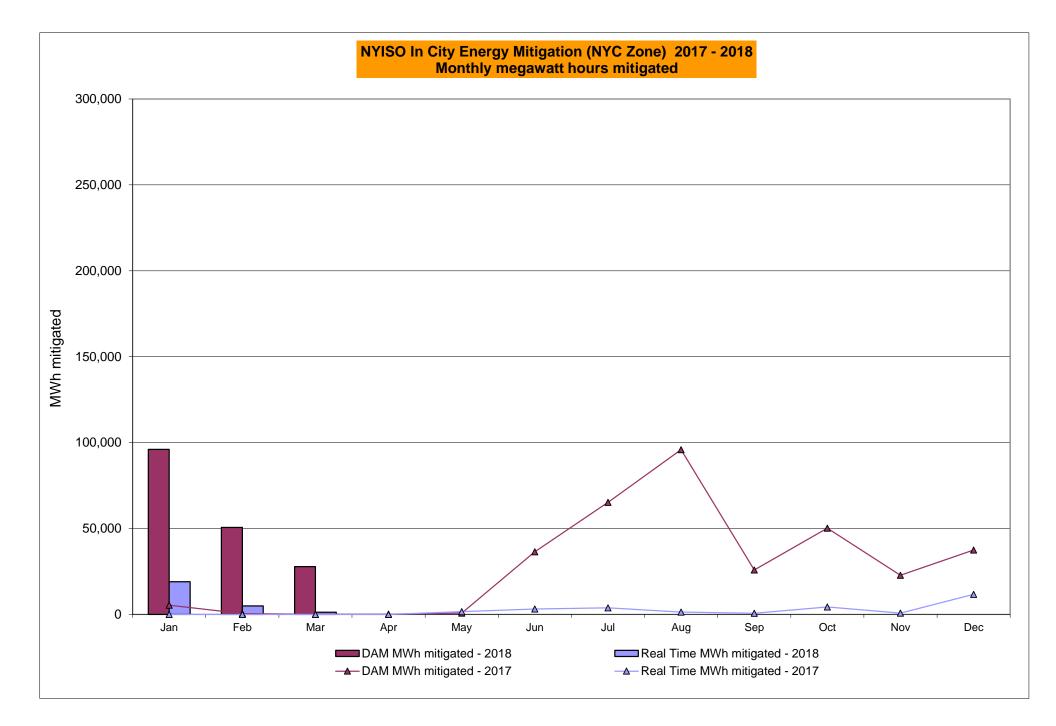
		ai neis A					
2018	January	February	March	<u>April</u>	May	<u>June</u>	July
	January	rebiuary	IVIAICI	April	iviay	Julie	<u>501y</u>
Day Ahead Market							
10 Min Spin SENY (GHIJK)	9.93	5.24	5.97				
10 Min Spin East (F)	9.93	5.24	5.97				
10 Min Spin West (ABCDE)	8.49	4.53	4.78				
10 Min Non Synch SENY (GHIJK)	6.99	4.54	4.48				
10 Min Non Synch East (F)	6.99	4.54	4.48				
10 Min Non Synch West (ABCDE)	6.15	4.36	3.54				
30 Min SENY (GHIJK)	6.14	4.36	3.54				
	6.14						
30 Min East (F)		4.36	3.54				
30 Min West (ABCDE)	6.14	4.36	3.54				
Regulation	15.51	10.70	10.68				
RTC Market							
	4.00	4.04	4.00				
10 Min Spin SENY (GHIJK)	4.23	1.24	1.98				
10 Min Spin East (F)	4.23	1.24	1.98				
10 Min Spin West (ABCDE)	2.43	0.82	1.79				
10 Min Non Synch SENY (GHIJK)	0.59	0.03	0.01				
10 Min Non Synch East (F)	0.59	0.03	0.01				
10 Min Non Synch West (ABCDE)	0.08	0.02	0.00				
30 Min SENY (GHIJK)	0.08	0.02	0.00				
30 Min East (F)	0.08	0.02	0.00				
30 Min West (ABCDE)	0.08	0.02	0.00				
Regulation	15.17	10.40	9.63				
NYCA Regulation Movement	0.26	0.21	0.20				
Bool Time Market							
Real Time Market		0.40	0.04				
10 Min Spin SENY (GHIJK)	11.31	3.19	3.31				
10 Min Spin East (F)	11.31	3.19	3.31				
10 Min Spin West (ABCDE)	7.24	2.52	2.86				
10 Min Non Synch SENY (GHIJK)	3.61	0.01	0.19				
10 Min Non Synch East (F)	3.61	0.01	0.19				
10 Min Non Synch West (ABCDE)	0.85	0.00	0.00				
30 Min SENY (GHIJK)	0.13	0.00	0.00				
30 Min East (F)	0.13	0.00	0.00				
30 Min West (ABCDE)	0.13	0.00	0.00				
Regulation	19.82	10.82	10.54				
NYCA Regulation Movement	0.24	0.21	0.20				
2017	January	February	March	April	May	June	July
2017 Day Ahead Market	January	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>
Day Ahead Market							
Day Ahead Market 10 Min Spin SENY (GHIJK)	5.01	5.38	5.04	6.31	4.93	4.62	6.41
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F)	5.01 5.01	5.38 5.38	5.04 5.04	6.31 6.31	4.93 4.93	4.62 4.62	6.41 6.41
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	5.01 5.01 4.94	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)	5.01 5.01 4.94 4.94	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)	5.01 5.01 4.94 4.94 4.94	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)	5.01 5.01 4.94 4.94	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)	5.01 5.01 4.94 4.94 4.94	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) 30 Min SENY (GHIJK)	5.01 5.01 4.94 4.94 4.94 4.92 4.92	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 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 4.68 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)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92	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 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)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92	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 4.88 4.84 4.84 4.84 4	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	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	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92	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 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 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 Market	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92	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 4.88 4.84 4.84 4.84 4	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	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	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92	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 4.88 4.84 4.84 4.84 4	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	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70
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)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 9.34	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 4	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 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 SENY (GHIJK)10 Min Spin East (F)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 9.34 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 5.58 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 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 SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92	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 4	6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 5.58 7.93 1.81 1.81 0.95	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	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	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
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)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92	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 0.08 0.17	6.31 6.31 5.60 5.80 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 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 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 West (ABCDE)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)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.06	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 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	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 SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.00	5.38 5.38 5.25 5.25 5.20 0.59 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 4.84 8.05 0.71 0.71 0.71 0.08 0.17 0.00	$\begin{array}{c} 6.31 \\ 6.31 \\ 5.60 \\ 5.80 \\ 5.80 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 7.93 \end{array}$ $\begin{array}{c} 1.81 \\ 1.81 \\ 0.95 \\ 0.14 \\ 0.14 \\ 0.14 \end{array}$	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	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	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)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 SENY (GHIJK)10 Min Non Synch Kest (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.00 0.00 0.00	5.38 5.38 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	$\begin{array}{c} 6.31 \\ 6.31 \\ 5.60 \\ 5.80 \\ 5.80 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 7.93 \\ \end{array}$	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	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 0.04	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
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 SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.00	5.38 5.38 5.25 5.25 5.20 0.59 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 4.84 8.05 0.71 0.71 0.71 0.08 0.17 0.00	$\begin{array}{c} 6.31 \\ 6.31 \\ 5.60 \\ 5.80 \\ 5.80 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 7.93 \end{array}$ $\begin{array}{c} 1.81 \\ 1.81 \\ 0.95 \\ 0.14 \\ 0.14 \\ 0.14 \end{array}$	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	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	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)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 SENY (GHIJK)10 Min Non Synch Kest (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.00 0.00 0.00	5.38 5.38 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	$\begin{array}{c} 6.31 \\ 6.31 \\ 5.60 \\ 5.80 \\ 5.80 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 7.93 \\ \end{array}$	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	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 0.04	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
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 West (ABCDE)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)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 0.34 1.53 1.53 1.06 0.06 0.00 0.00 0.00 0.00 0.00 0.00	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 6.05 0.71 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00	$\begin{array}{c} 6.31 \\ 6.31 \\ 5.60 \\ 5.80 \\ 5.80 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 7.93 \\ \end{array}$	4.93 4.93 4.77 4.83 4.68 4.67 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	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 0.02 0.02 0.02	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
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 Non Synch SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (ABCDE)30 Min West (ABCDE)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.00	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 8.05 0.71 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00 7.15	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	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 0.020	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 Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)30 Min West (ABCDE)30 Min West (ABCDE)30 Min West (ABCDE)RegulationNYCA Regulation Movement	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 0.34 1.53 1.53 1.06 0.06 0.00 0.00 0.00 0.00 0.00 0.00	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	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 0.00 0.00 0.00 0.00 0.00	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	4.93 4.93 4.77 4.83 4.68 4.67 4.67 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	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 0.02 0.02 0.02	6.41 6.41 5.78 6.34 6.34 5.72 5.70 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
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 SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationNYCA Regulation MovementReal Time Market	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.00	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	$\begin{array}{c} 6.31 \\ 6.31 \\ 5.60 \\ 5.80 \\ 5.80 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 7.93 \\ \end{array}$ $\begin{array}{c} 1.81 \\ 1.81 \\ 0.95 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.25 \\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.020	6.41 6.41 5.78 6.34 6.34 5.72 5.70 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
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 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 East (F)30 Min SENY (GHIJK)30 Min West (ABCDE)30 Min West (ABCDE)30 Min West (ABCDE)RegulationNYCA Regulation MovementReal Time Market10 Min Spin SENY (GHIJK)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.06 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 3.21 0.27 3.29	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.11\\ 1.12\end{array}$	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 0.00 7.15 0.20	$\begin{array}{c} 6.31 \\ 6.31 \\ 5.60 \\ 5.80 \\ 5.80 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 7.93 \\ \end{array}$	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	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 West (ABCDE)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 East (F)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationNYCA Regulation MovementReal Time Market	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.00	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	$\begin{array}{c} 6.31 \\ 6.31 \\ 5.60 \\ 5.80 \\ 5.80 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 7.93 \\ \end{array}$ $\begin{array}{c} 1.81 \\ 1.81 \\ 0.95 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.14 \\ 0.25 \\ \end{array}$	$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.020	6.41 6.41 5.78 6.34 6.34 5.72 5.70 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
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 Kest (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min SENY (GHIJK) <td>5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.06 0.00 3.21 0.27 3.29 3.29</td> <td>$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.11\\ 1.12\\ 1.12\end{array}$</td> <td>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 1.73 1.73 1.73</td> <td>$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$</td> <td>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</td> <td>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</td> <td>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</td>	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.06 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 3.21 0.27 3.29 3.29	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.11\\ 1.12\\ 1.12\end{array}$	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 1.73 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	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 2.77 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 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 East (F)30 Min SENY (GHIJK)30 Min Sent (ABCDE)RegulationNYCA Regulation MovementReal Time Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)	5.01 5.01 4.94 4.94 4.94 4.92	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\$	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 0.00 0.00 0.00 0.00 0.00 1.73 1.73 1.73 0.48	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 4.67 4.67 6.11 0.43 0.23 0.05 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.07 0.79	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 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 West (ABCDE)RegulationRTC Market10 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 SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)30 Min SENY (GHIJK)30 Min Spin West (ABCDE)30 Min Spin West (ABCDE)30 Min Non Synch SENY (GHIJK)	5.01 5.01 4.94 4.94 4.94 4.92	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 0.00\\ 5.20\\ 0.00\\ 5.20\\ 0.00\\$	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 0.71 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.73 1.73 1.73 0.48 0.22	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 4.67 4.67 6.11 0.43 0.23 0.05 0.04 0.025 1.19 1.19 0.79 0.06	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 5.70 5.70 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 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 Non Synch SENY (GHIJK)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 West (ABCDE)30 Min West (ABCDE)30 Min West (ABCDE)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 West (ABCDE)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)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.06 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 3.29 3.29 3.29 2.71 0.00 0.00	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\$	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.08 0.17 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 0.17 0.20 1.73 1.73 0.48 0.22 0.22	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	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 0.23 0.05 0.05 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.06 0.06	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ \end{array}$	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 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 SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)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 Non Synch SENY (GHIJK)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 West (ABCDE)RegulationNYCA Regulation MovementReal Time 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)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.06 0.00 0.00 0.00 0.00 0.00 0.00 0.00 3.29 3.29 3.29 3.29 2.71 0.00	$\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.26\\ 0.00\\$	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 6.05 0.71 0.71 0.08 0.17 0.00 0.22 0.00	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.025 1.19 1.19 0.79 0.06 0.03	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ \end{array}$	$ \begin{array}{c} 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\\ \end{array} $
Day Ahead Market10 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 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 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 West (ABCDE)30 Min West (ABCDE)30 Min SENY (GHIJK)30 Min Spin SENY (GHIJK)30 Min Non Synch East (F)30 Min Non Synch Kest (ABCDE)30 Min Non Synch West (ABCDE)30 Min Non Synch West (ABCDE)30 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.06 0.00 0.00 0.00 0.00 0.00 0.00 0.00 3.29 3.29 3.29 3.29 2.71 0.00	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 4.88 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 0.08 0.17 0.00 0.00 0.00 0.00 0.00 0.00 1.73 1.73 1.73 0.48 0.22 0.00 0.00 0.00 0.00 0.00 0.22 0.00	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	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 0.23 0.05 0.05 0.05 0.04 0.05 0.06 0.03 0.03 0.03	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ \end{array}$	$ \begin{array}{c} 6.41\\ 6.41\\ 5.78\\ 6.34\\ 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\\ \end{array} $
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 Kest (ABCDE)30 Min SENY (GHIJK)30 Min Spin SENY (GHIJK)30 Min Spin SENY (GHIJK)30 Min Spin SENY (GHIJK)30 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 SENY (G	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.00 0.00 0.00 0.00 0.00 0.00 0.27 3.29 3.29 2.71 0.00	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 5.20 5.20 5.20 5.20 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 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00 0.00 1.73 1.73 1.73 1.73 0.48 0.22 0.00 0.00 0.00 0.00 0.00 0.00 0.20		4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.05 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.06 0.03 0.03 0.03 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 1.43 1.40 1.00 0.04 0.07 0.04	$ \begin{array}{c} 6.41\\ 6.41\\ 5.78\\ 6.34\\ 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\\ \end{array} $
Day Ahead Market10 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 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 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 West (ABCDE)30 Min West (ABCDE)30 Min SENY (GHIJK)30 Min Spin SENY (GHIJK)30 Min Non Synch East (F)30 Min Non Synch Kest (ABCDE)30 Min Non Synch West (ABCDE)30 Min Non Synch West (ABCDE)30 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.06 0.00 0.00 0.00 0.00 0.00 0.00 0.00 3.29 3.29 3.29 3.29 2.71 0.00	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 4.88 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 0.08 0.17 0.00 0.00 0.00 0.00 0.00 0.00 1.73 1.73 1.73 0.48 0.22 0.00 0.00 0.00 0.00 0.00 0.22 0.00	$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$	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 0.23 0.05 0.05 0.05 0.04 0.05 0.06 0.03 0.03 0.03	$\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ \end{array}$	$ \begin{array}{c} 6.41\\ 6.41\\ 5.78\\ 6.34\\ 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\\ \end{array} $
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 Kest (ABCDE)30 Min SENY (GHIJK)30 Min Spin SENY (GHIJK)30 Min Spin SENY (GHIJK)30 Min Spin SENY (GHIJK)30 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 SENY (G	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.00 0.00 0.00 0.00 0.00 0.00 0.27 3.29 3.29 2.71 0.00	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 5.20 5.20 5.20 5.20 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 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00 0.00 1.73 1.73 1.73 1.73 0.48 0.22 0.00 0.00 0.00 0.00 0.00 0.00 0.20		4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.05 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.06 0.03 0.03 0.03 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 1.43 1.40 1.00 0.04 0.07 0.04	$ \begin{array}{c} 6.41\\ 6.41\\ 5.78\\ 6.34\\ 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\\ \end{array} $
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 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 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 West (ABCDE)30 Min West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SEN	5.01 5.01 4.94 4.94 4.94 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 4.92 9.34 1.53 1.53 1.06 0.06 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.27 3.29 3.29 3.29 3.29 2.71 0.00	5.38 5.38 5.25 5.25 5.25 5.20 0.59 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 4.84 4.84 4.84 4.84 4.84 4.84 0.71 0.71 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 1.73 1.73 0.48 0.22 0.00		4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 4.67 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.05 0.05 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.04 0.05 0.06 0.03 0.03 0.03 0.03 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 0.02 0.03 0.04 0.04 0.04 0.04	$ \begin{array}{c} 6.41\\ 6.41\\ 5.78\\ 6.34\\ 6.34\\ 5.72\\ 5.70\\ 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\\ 0.97\\ \end{array} $

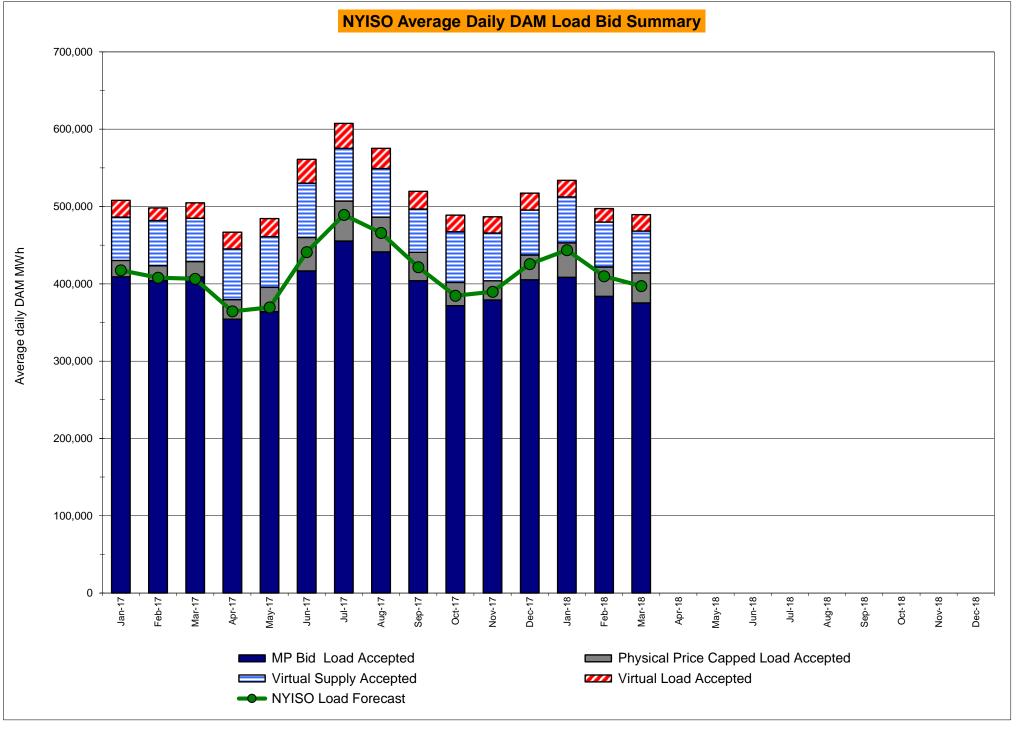
<u>August</u> <u>September</u>

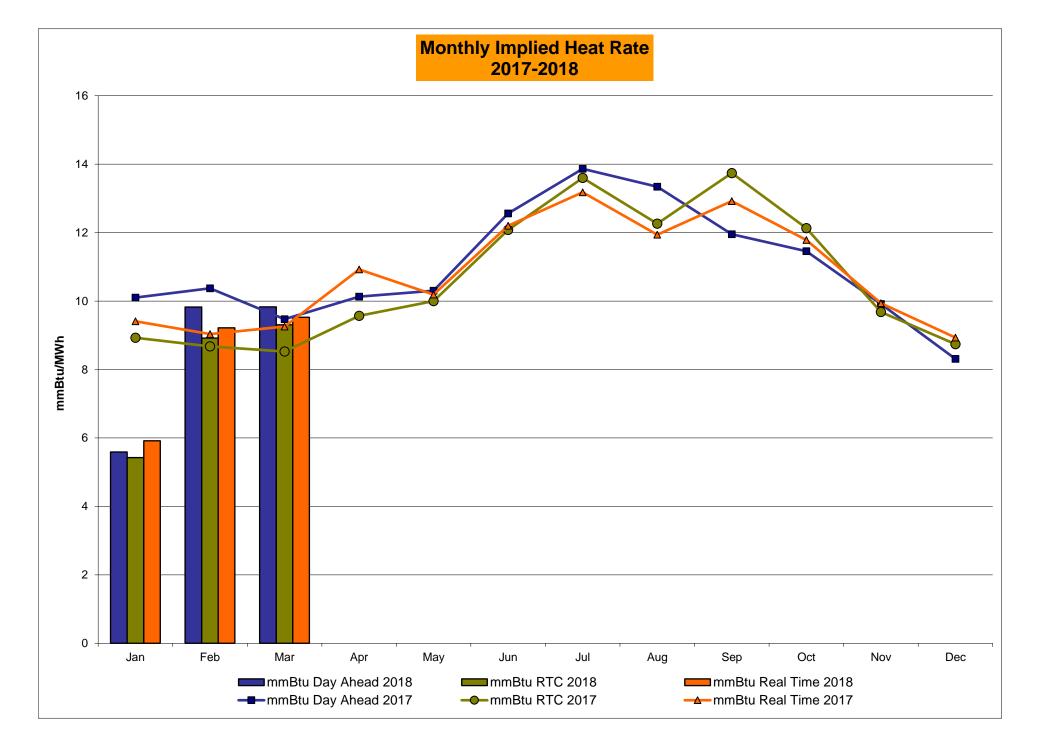
October November December

<u>August</u>	<u>September</u>	<u>October</u>	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

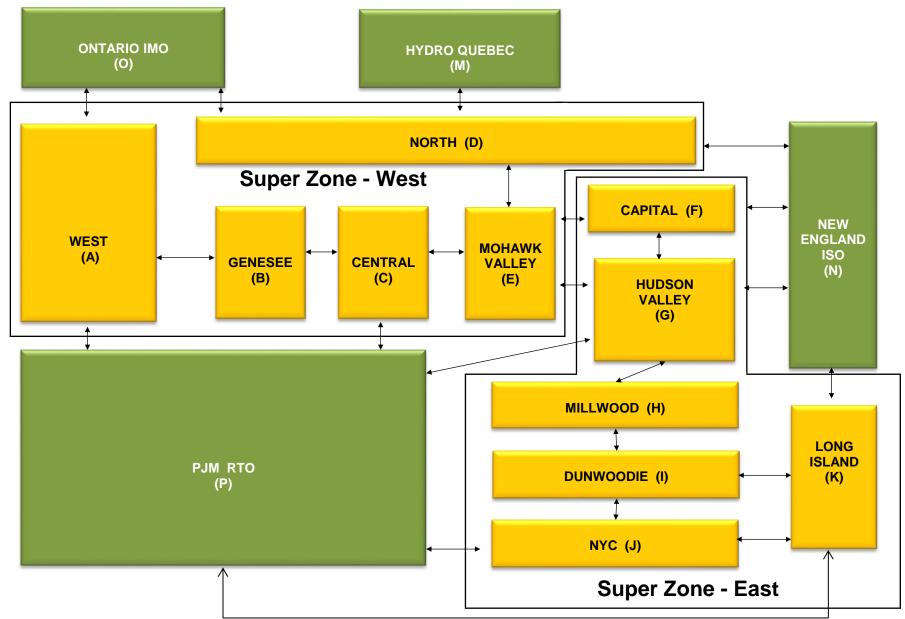








NYISO LBMP ZONES



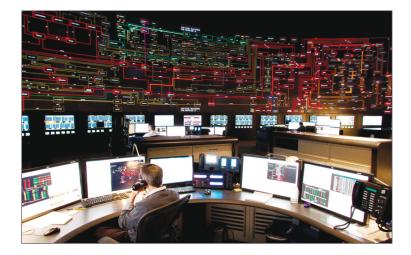
Market Mitigation and Analysis Prepared: 4/9/2018 12:03 PM

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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