NYISO CEO/COO Report

Bradley Jones

President & Chief Executive Officer

Rick Gonzales

Senior Vice President & Chief Operating Officer

Management Committee Meeting:

November 29, 2017, Rensselaer, NY



NYISO CEO/COO Report

CEO Report

COO Report

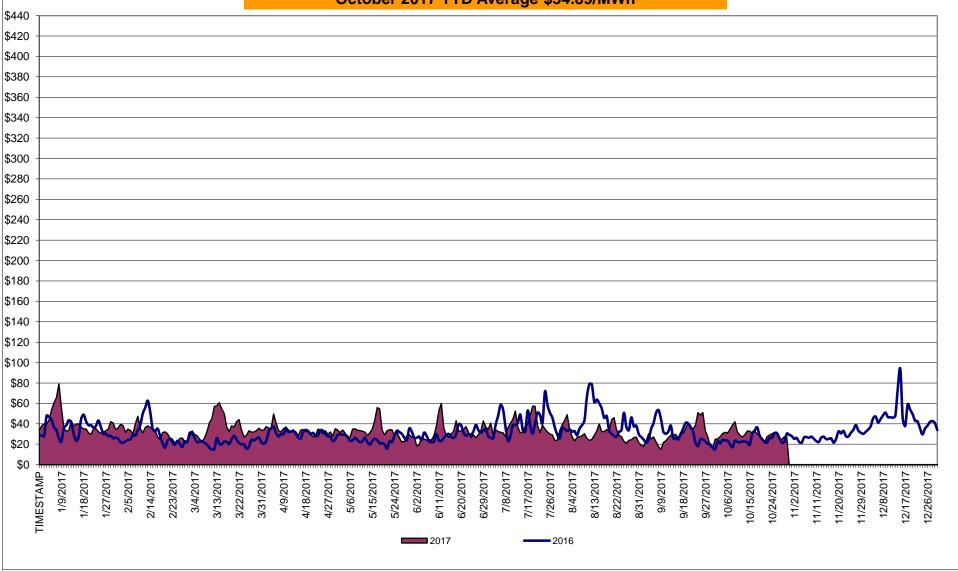
- Market Performance Highlights For Information Only
- Operations Performance Metrics Monthly Report



Market Performance Highlights October 2017

- LBMP for October is \$28.35/MWh; lower than \$29.57/MWh in September 2017 and higher than \$22.33/MWh in October 2016.
 - Day Ahead and Real Time Load Weighted LBMPs are lower compared to September.
- October 2017 average year-to-date monthly cost of \$34.89/MWh is a 4% increase from \$33.54/MWh in October 2016.
- Average daily sendout is 398 GWh/day in October; lower than 437 GWh/day in September 2017 and higher than 391 GWh/day in October 2016.
- Natural gas prices were higher and distillate prices were mixed compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$2.36/MMBtu, up from \$2.27/MMBtu in September.
 - Natural gas prices are up 100.7% year-over-year.
 - Jet Kerosene Gulf Coast was \$12.30/MMBtu, down from \$13.40/MMBtu in September.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$12.86/MMBtu, up from \$12.80/MMBtu in September.
 - Distillate prices are up 14.9% year-over-year.
- Uplift per MWh is lower compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.36)/MWh; lower than (\$0.34)/MWh in September.
 - Local Reliability Share is \$0.14/MWh, lower than \$0.16/MWh in September.
 - Statewide Share is (\$0.50)/MWh, same as (\$0.50)/MWh in September.
 - TSA \$ per NYC MWh is \$0.00/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than September.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)* 2016 Annual Average \$34.28/MWh October 2016 YTD Average \$33.54/MWh October 2017 YTD Average \$34.89/MWh

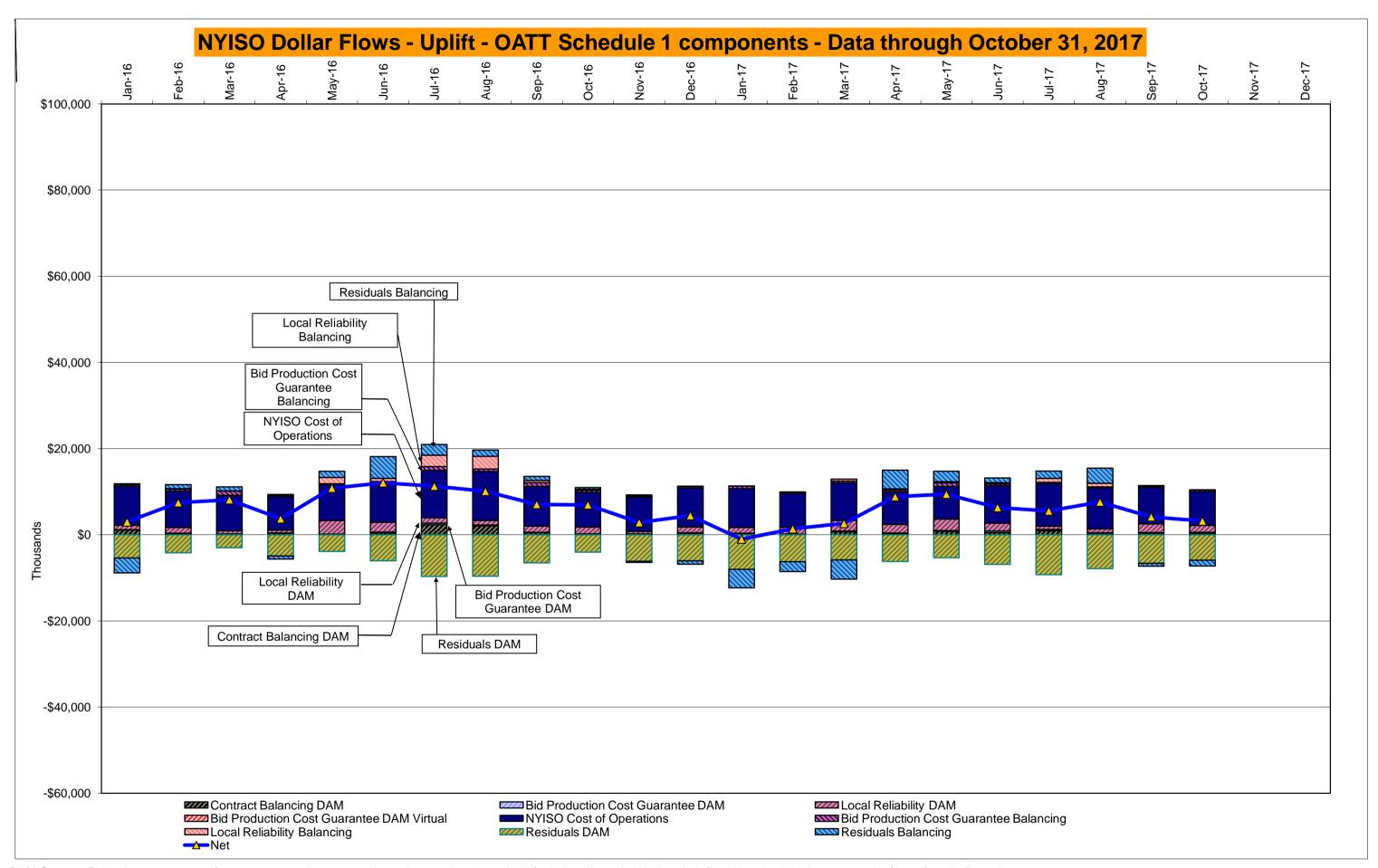


^{*} Excludes ICAP payments.

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

2017	lanuary	February	<u>March</u>	April	Mov	luno	luky	August	<u>September</u>	<u>October</u>	November	Docombor
LBMP	<u>January</u> 40.07	30.95	34.97	<u>April</u> 31.06	<u>May</u> 31.74	<u>June</u> 31.76	<u>July</u> 35.84	<u>August</u> 30.57	<u>September</u> 29.57	28.35	November	<u>December</u>
NTAC	0.66	1.11	0.86	1.05	0.79	0.62	0.87	0.59	0.62	0.50		
Reserve	0.70	0.67	0.74	0.70	0.73	0.55	0.48	0.39	0.02	0.59		
Regulation	0.14	0.07	0.13	0.17	0.16	0.33	0.40	0.10	0.47	0.33		
NYISO Cost of Operations	0.65	0.65	0.15	0.65	0.62	0.63	0.63	0.63	0.63	0.62		
FERC Fee Recovery	0.09	0.10	0.00	0.03	0.10	0.09	0.03	0.08	0.09	0.02		
Uplift	(0.73)	(0.54)	(0.46)	0.12	0.10	(0.37)	(0.43)	(0.19)	(0.34)	(0.36)		
Uplift: Local Reliability Share	0.10	0.13	0.21	0.20	0.24	0.15	0.11	0.12	0.16	0.14		
Uplift: Statewide Share	(0.83)	(0.67)	(0.67)	(80.0)	(0.13)	(0.52)	(0.54)	(0.31)	(0.50)	(0.50)		
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		
Avg Monthly Cost	41.96	33.44	37.38	34.26	34.52	33.80	37.94	32.60	31.54	30.31		
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Avg YTD Cost	41.96	38.02	37.81	37.05	36.54	36.01	36.35	35.80	35.34	34.89		
TSA \$ per NYC MWh	0.00	0.00	0.00	0.08	0.12	0.56	0.42	0.23	0.00	0.00		
2016	January	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	<u>November</u>	December
LBMP	34.29	28.71	20.66	27.96	23.31	27.35	40.01	42.99	30.89	22.33	26.31	43.90
NTAC	0.59	0.78	0.62	1.14	1.10	0.93	0.78	0.54	0.55	0.86	0.79	0.97
Reserve	0.77	0.73	0.73	0.87	0.71	0.59	0.67	0.68	0.69	0.77	0.68	0.63
Regulation	0.12	0.12	0.12	0.12	0.11	0.12	0.10	0.10	0.10	0.15	0.13	0.17
NYISO Cost of Operations	0.64	0.65	0.65	0.64	0.65	0.66	0.65	0.65	0.64	0.64	0.64	0.64
FERC Fee Recovery	0.09	0.10	0.11	0.10	0.09	0.09	0.07	0.06	0.08	0.10	0.10	0.08
Uplift	(0.43)	(0.07)	(0.03)	(0.34)	0.19	0.20	(0.26)	(0.63)	(0.15)	(0.09)	(0.42)	(0.33)
Uplift: Local Reliability Share	0.09	0.11	0.06	0.07	0.35	0.21	0.23	0.22	0.14	0.15	0.07	0.10
Uplift: Statewide Share	(0.52)	(0.18)	(0.09)	(0.41)	(0.16)	(0.01)	(0.49)	(0.86)	(0.29)	(0.24)	(0.49)	(0.43)
Voltage Support and Black Start	0.35	0.36	0.36	0.35	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.35
Avg Monthly Cost	36.42	31.37	23.23	30.84	26.52	30.29	42.40	44.75	33.16	25.12	28.61	46.42
Avg YTD Cost	36.42	34.02	30.68	30.71	29.85	29.93	32.32	34.43	34.31	33.54	33.16	34.28
TSA \$ per NYC MWh	0.00	0.00	0.05	0.00	0.00	0.02	0.84	1.64	0.00	0.00	0.00	0.00
2015	January	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	<u>December</u>
LBMP	59.61	114.37	52.09	28.36	32.98	28.20	34.77	33.09	34.40	30.05	24.83	20.91
NTAC	0.32	0.35	0.41	0.64	0.56	0.80	0.54	0.60	0.63	0.53	0.68	1.05
Reserve	0.27	0.37	0.56	0.36	0.38	0.24	0.27	0.20	0.28	0.28	0.47	0.60
Regulation	0.10	0.18	0.11	0.12	0.10	0.13	0.12	0.12	0.10	0.12	0.13	0.13
NYISO Cost of Operations	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.69	0.70	0.69
Uplift	(0.48)	(1.08)	(0.68)	(0.15)	0.26	0.33	0.04	0.03	(0.15)	0.10	0.44	(0.07)
Uplift: Local Reliability Share	0.25	0.33	0.13	0.27	0.30	0.37	0.35	0.36	0.22	0.33	0.20	0.12
Uplift: Statewide Share	(0.73)	(1.41)	(0.81)	(0.42)	(0.05)	(0.04)	(0.30)	(0.33)	(0.37)	(0.23)	0.25	(0.18)
Voltage Support and Black Start _	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.38
Avg Monthly Cost	60.91	115.27	53.58	30.41	35.37	30.79	36.84	35.14	36.35	32.18	27.64	23.71
Avg YTD Cost	60.91	87.74	76.64	66.82	60.96	56.02	52.77	50.20	48.59	47.17	45.66	44.10
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.17	0.50	0.07	0.06	0.01	0.00	0.00	0.00

^{*} Excludes ICAP payments. Market Mitigation and Analysis Prepared: 11/8/2017 3:01 PM



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

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

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

NYISO Markets Transactions

<u>April</u>

<u>May</u>

<u>June</u>

<u>March</u>

<u>January</u> <u>February</u>

Description 15,001 12,001 12,001 12,001 13,001 12,001 13,00	2017	<u>January</u>	rebiualy	iviaicii	Aprii	<u>iviay</u>	Julie	<u>July</u>	Augusi	September	October	November	<u>December</u>
Description Property Proper	Day Ahead Market MWh	14,135,019	12,565,206	13,983,865	12,061,475	12,966,981	14,406,180	16,505,801	15,948,927	14,100,695	13,252,368		
Debt	DAM LSE Internal LBMP Energy Sales	57%	57%	55%	54%					57%			
DAM Bilateria Internal Bilaterias 52% 57% 57% 57% 67% 57% 67% 57% 67% 57			2%	1%	1%				1%	1%			
Pose Properties Propertie		32%	32%	34%	35%	33%	31%	29%	29%	32%	34%		
Path	DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	5%	6%	4%	5%	4%	5%	5%	5%		
Balancing Energy Selement LIMPN Cape Act	DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	2%	1%	2%	2%	2%		
Balancing Energy LSE Internal LSMP Energy Sales 1-67% 1-48% 1-	DAM Bilateral - Wheel Through Bilaterals	2%	2%	2%	2%	2%	2%	3%	3%	4%	2%		
Balancing Energy LSE Internal LSMP Energy Sales 1-67% 1-48% 1-	Balancing Energy Market MWh	-256,448	-407,284	-509,053	-466,426	-666,048	-564,312	-747,473	-853,898	-633,990	-510,721		
Balancing Fentry External Tric LaMP Fentry Sales 64% 39% 41% 52% 5								•			•		
Balancing Fronty Bilatoria - Informal Bilatorials 15% 8% 7% 7% 8% 7% 8% 7% 8% 7% 8% 7% 8% 7% 8% 8	· · · · · · · · · · · · · · · · · · ·												
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Balancing Energy Balancial Energy Balancial Energy Balancians (1976) 75%	<u> </u>		4%	0%	0%				0%	0%	0%		
Parametring Energy Balancing Energy Ba		10%	7%	5%	4%	3%	3%	1%	1%	1%	4%		
Part LBMP	·		-26%						-29%	-40%	-33%		
March Sept	-												
Part	<u> </u>	58%	57%	55%	54%	58%	60%	62%	61%	58%	56%		
Part													
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Marcie Strate Of Izal Load Marcie Strate	·												
Market Share of Total Load	•												
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Balancing Energy + 1,88		101.8%	103.3%	103.8%	104 0%	105 4%	104 1%	104 7%	105.7%	104 7%	104.0%		
Part	•												
Part													
Pay Ahead Market MW													
DAM LSE Internal LBMP Energy Sales 54% 55% 55% 55% 55% 56% 66% 66% 66% 66% 66% 56% 56% 58% DAM External TC LBMP Energy Sales 34% 2% 1% 5% 2% 33% 2% 2% 33% DAM Bilateral - Internal Bilaterals 34% 34% 36% 5% 6% 5% 5% 27% 30% 30% 30% 33% 33% 2% 31% DAM Bilateral - Internal Bilaterals 5% 5% 6% 5%	<u>2016</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
DAM LSE Internal LBMP Energy Sales 54% 55% 55% 55% 55% 56% 66% 66% 66% 66% 66% 56% 56% 58% DAM External TC LBMP Energy Sales 34% 2% 1% 5% 2% 33% 2% 2% 33% DAM Bilateral - Internal Bilaterals 34% 34% 36% 5% 6% 5% 5% 27% 30% 30% 30% 33% 33% 2% 31% DAM Bilateral - Internal Bilaterals 5% 5% 6% 5%	Day Ahead Market MWh	14,760,915	13,614,754	13,413,781	12,496,141	12,959,886	14,095,904	16,950,819	17,413,898	14,563,318	13,014,354	12,770,775	14,245,185
DAM External TC LBMP Energy Sales 44 2.8 1.9 2.9 1.9 1.9 3.9 3.9 2.9 3.3 DAM Bilateral - Internal Bilaterals 34% 35% 35% 28% 31% 30% 28% 27% 35% 35% 33% 32% 31% DAM Bilateral - Export/Non-LBMP Market Bilaterals 5% 5% 6% 5% 4% 4% 4% 5% 5% 5% DAM Bilateral - Export/Non-LBMP Market Bilaterals 2% <td>DAM LSE Internal LBMP Energy Sales</td> <td></td> <td></td> <td></td> <td></td> <td>, ,</td> <td></td> <td></td> <td>, ,</td> <td></td> <td></td> <td></td> <td>, ,</td>	DAM LSE Internal LBMP Energy Sales					, ,			, ,				, ,
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DAM Bilateral - Export/Non-LBMP Market Bilaterals 2% 1% 2%	DAM Bilateral - Importl/Non-LBMP Market Bilaterals		5%										
DAM Bilateral - Wheel Through Bilaterals	•		1%								2%	2%	
Balancing Energy Market MWh -522,919 -580,900 -741,701 -303,313 -180,848 -143,015 -86,025 224,316 -250,802 -477,109 -394,575 -127,836 Balancing Energy LSt Internal LBMP Energy Sales 125% -114% -118% -76% -1447% -203% -347% 42% -139% -111% -102% -269% Balancing Energy Bilateral - LBMP Energy Sales 127 13% 19% -13% 55% 77% 204% 56% 49% 21% -102% -269% Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals 19% 9% 4% 8% 27% 47% 66% 28% 18% 66% 65% Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals 6% 5% 3% 5% 7% 10% 15% 5% 4% 6% 27% Balancing Energy Bilateral - Wheel Through Bilaterals 6% 5% 3% 5% 7% 10% 15% 5% 5% 5% 6% 2%	·		2%					2%		2%			
Balancing Energy LSE Internal LBMP Energy Sales -125% -114% -118% -76% -147% -203% -347% 42% -139% -111% -102% -269% Balancing Energy External IT C LBMP Energy Sales 12% 13% 19% -13% 55% 77% 204% 56% 49% 21% 28% 138% Balancing Energy Bilateral - Internal Bilaterals 19% 9% 4% 8% 27% 47% 62% 28% 18% 6% 9% 4% Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals 6% 5% 3% 5% 7% 10% 5% 5%		-522.919		-741.701	-303.313				224.316	-250.802	-477.109	-394.575	
Balancing Energy External TC LBMP Energy Sales 12% 13% 19% -13% 55% 77% 204% 56% 49% 21% 28% 138% Balancing Energy Bilateral - Internal Bilaterals 19% 9% 4% 8% 27% 47% 62% 28% 18% 6% 9% 65% Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals 6% 5% 3% 5% 7% 10% 0% 0% 0% 0% 4% 27% 24% 28% 18% 6% 27% 27% 28% 10% 0% </td <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td>,</td> <td>·</td> <td></td>				•				•			,	·	
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Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals 6% 5% 3% 5% 7% 10% 15% 5% 5% 4% 6% 27% Balancing Energy Bilateral - Wheel Through Bilaterals -12% -12% -8% -24% -42% -32% -34% -31% -32% -21% -40% -66% Transactions Summary BMP 56% 56% 56% 54% 62% 59% 61% 65% 66% 62% 57% 57% 60% LBMP 36% 36% 37% 29% 32% 31% 28% 66% 62% 57% 57% 60% Internal Bilaterals 5 5% 6% 6% 5% 5% 4% 4% 5% 5% 6% 5% Export Bilaterals 2 2 2% 2% 2% 1% 1% 1% 2% 2% 2% 2% 2% 2% 2% 2% 2% 2%	· · · · · · · · · · · · · · · · · · ·												
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Import Bilaterals 5% 5% 6% 6% 5% 5% 4% 4% 5% 5% 6% 5% Export Bilaterals 2% 2% 2% 2% 2% 1% 1% 1% 2% 2% Wheels Through 1% 1% 1% 2% 2% 1% 1% 2% 1% 2% 2% 2% 2% 1% 1% 2% 2% 2% 2% 1% 1% 2% 2% 2% 2% 1% 1% 2% 2% 2% 2% 1% 1% 2% 2% 2% 2% 1% 1% 2% 2% 2% 2% 1% 1% 1% 2% 2% 2% 2% 1% 1% 1% 2% 2% 2% 2% 1% 10.5% 10.5% 10.14% 10.1.0% 100.5% 98.7% 10.1.8% 103.8% 103.2% 10.9% 10.2.5% 1.1.4%													
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Market Share of Total Load Day Ahead Market 103.7% 104.5% 105.9% 102.5% 101.4% 101.0% 100.5% 98.7% 101.8% 103.8% 103.2% 100.9% Balancing Energy + -3.7% -4.5% -5.9% -2.5% -1.4% -1.0% -0.5% 1.3% -1.8% -3.8% -3.2% -0.9% Total MWH 14,237,996 13,033,853 12,672,080 12,192,828 12,779,038 13,952,889 16,864,794 17,638,213 14,312,516 12,537,245 12,376,200 14,117,349 Average Daily Energy Sendout/Month GWh 439 436 397 385 397 456 532 548 458 391 398 433	•												
Day Ahead Market 103.7% 104.5% 105.9% 102.5% 101.4% 101.0% 100.5% 98.7% 101.8% 103.8% 103.2% 100.9% Balancing Energy + -3.7% -4.5% -5.9% -2.5% -1.4% -1.0% -0.5% 1.3% -1.8% -3.8% -3.2% -0.9% Total MWH 14,237,996 13,033,853 12,672,080 12,192,828 12,779,038 13,952,889 16,864,794 17,638,213 14,312,516 12,537,245 12,376,200 14,117,349 Average Daily Energy Sendout/Month GWh 439 436 397 385 397 456 532 548 458 391 398 433		1 70	1 70	1 70	1 /0	270	270	1 /0	1 /0	2 /0	1 70	2 /0	2 /0
Balancing Energy + -3.7% -4.5% -5.9% -2.5% -1.4% -1.0% -0.5% 1.3% -1.8% -3.8% -3.2% -0.9% Total MWH 14,237,996 13,033,853 12,672,080 12,192,828 12,779,038 13,952,889 16,864,794 17,638,213 14,312,516 12,537,245 12,376,200 14,117,349 Average Daily Energy Sendout/Month GWh 439 436 397 385 397 456 532 548 458 391 398 433		102 70/	101 50/	105.00/	102 50/	101 40/	101 00/	100 50/	09 70/	101 00/	102 00/	102 20/	100 00/
Total MWH 14,237,996 13,033,853 12,672,080 12,192,828 12,779,038 13,952,889 16,864,794 17,638,213 14,312,516 12,537,245 12,376,200 14,117,349 Average Daily Energy Sendout/Month GWh 439 436 397 385 397 456 532 548 458 391 398 433	•												
Average Daily Energy Sendout/Month GWh 439 436 397 385 397 456 532 548 458 391 398 433													
		438	430	381	300	381	400	332					

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

Market Mitigation and Analysis Prepared: 11/8/2017 3:02 PM

<u>2017</u>

Notes: Percent totals may not equal 100% due to rounding.

Virtual Transactions are not reflected in this chart.

October November December

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

NYISO Markets 2017 Energy Statistics

\$25.73

\$39.42

\$50.28

\$26.97

\$20.64

\$21.23

\$38.35

\$23.73

				141100	mai noto	2017 2110	igy Otati	<u> </u>				
	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	<u>September</u>	<u>October</u>	November [<u>December</u>
DAY AHEAD LBMP												
Price *	\$37.22	\$28.84	\$32.04	\$27.70	\$27.66	\$27.37	\$31.64	\$27.28	\$25.05	\$25.49		
Standard Deviation	\$13.20	\$7.97	\$11.95	\$7.66	\$9.47	\$12.37	\$13.51	\$10.60	\$12.09	\$8.53		
Load Weighted Price **	\$38.42	\$29.66	\$32.96	\$28.56	\$28.95	\$29.52	\$33.78	\$29.00	\$26.95	\$26.57		
RTC LBMP												
Price *	\$32.87	\$24.09	\$28.86	\$26.19	\$26.19	\$26.40	\$30.84	\$25.26	\$27.97	\$26.91		
Standard Deviation	\$14.57	\$9.52	\$13.70	\$10.36	\$21.29	\$14.76	\$18.14	\$13.08	\$27.14	\$13.40		
Load Weighted Price **	\$33.96	\$24.81	\$29.67	\$26.98	\$28.10	\$28.39	\$33.13	\$26.65	\$30.98	\$28.13		
REAL TIME LBMP												
Price *	\$34.61	\$25.14	\$31.21	\$29.61	\$26.56	\$26.16	\$29.47	\$24.36	\$26.08	\$25.95		
Standard Deviation	\$18.20	\$14.21	\$25.02	\$39.82	\$26.11	\$19.00	\$20.25	\$14.03	\$25.72	\$14.49		
Load Weighted Price **	\$35.80	\$25.84	\$32.21	\$30.81	\$28.64	\$28.67	\$32.11	\$25.95	\$29.13	\$27.33		
Average Daily Energy Sendout/Month GWh	431	418	419	377	383	454	498	477	437	398		
				NYISO	Markets	2016 Ene	ergy Stati	stics				
	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	<u>September</u>	October	November [December
DAY AHEAD LBMP												
Price *	\$31.01	\$25.76	\$18.63	\$26.39	\$21.07	\$24.83	\$35.24	\$38.25	\$27.15	\$20.37	\$24.35	\$39.83
Standard Deviation	\$10.86	\$12.46	\$6.99	\$6.95	\$7.04	\$9.21	\$18.37	\$20.59	\$13.55	\$7.48	\$7.32	\$15.08
Load Weighted Price **	\$32.13	\$26.75	\$19.37	\$27.14	\$22.12	\$26.30	\$38.29	\$41.41	\$29.38	\$21.29	\$25.15	\$41.22
RTC LBMP												
Price *	\$26.12	\$24.10	\$16.41	\$23.41	\$19.96	\$24.29	\$36.22	\$45.03	\$24.70	\$19.76	\$23.02	\$37.08
Standard Deviation	\$16.06	\$17.89	\$11.32	\$9.09	\$11.44	\$16.58	\$38.04	\$70.57	\$17.46	\$8.96	\$9.49	\$16.72
	ψ.0.00	ψ	ψ <u>υ</u>	ψ3.00	ψ	ψ.5.00	φοσιο :	φ. σ.σ.	ψ	ψ3.00	Ψ3.10	ψ. J <u>-</u>

REAL TIME LBMP Price * \$30.15 \$24.28 \$17.84 \$25.71 \$20.67 \$25.87 \$34.40 \$40.87 \$24.90 \$20.91 \$24.72 \$39.00 \$38.56 Standard Deviation \$60.09 \$18.19 \$15.06 \$16.59 \$12.84 \$19.27 \$52.85 \$20.70 \$12.15 \$12.71 \$20.92 Load Weighted Price ** \$31.80 \$25.61 \$26.57 \$21.99 \$27.39 \$38.20 \$45.82 \$27.38 \$21.81 \$25.45 \$40.42 \$18.64 Average Daily Energy Sendout/Month GWh 439 436 397 385 397 456 532 548 458 391 398 433

\$24.10

Load Weighted Price **

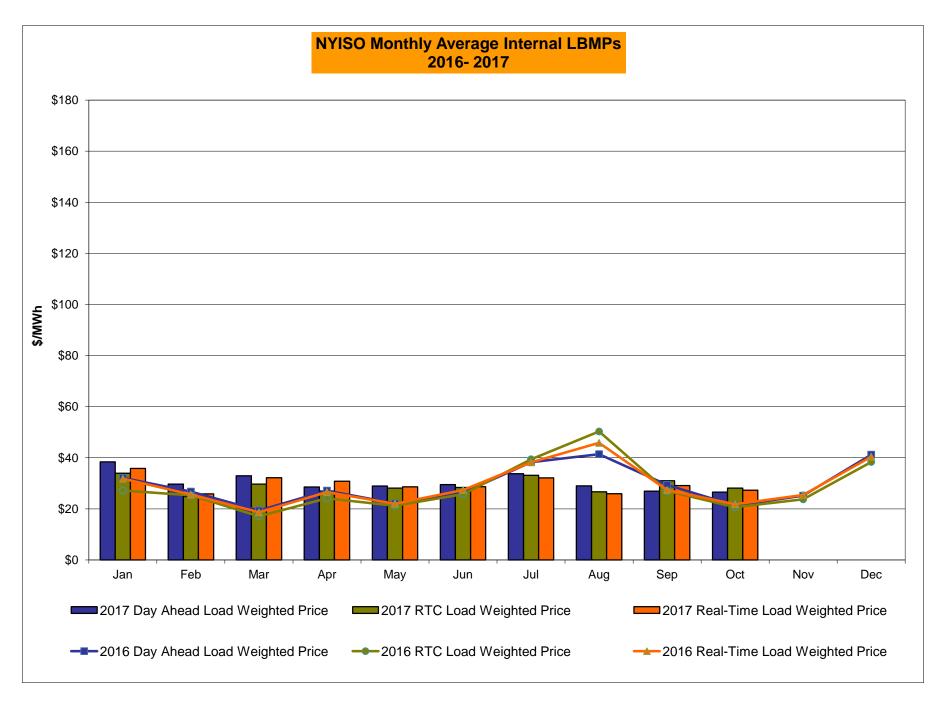
\$27.16

\$25.29

\$17.11

^{*} Average zonal load weighted prices.

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

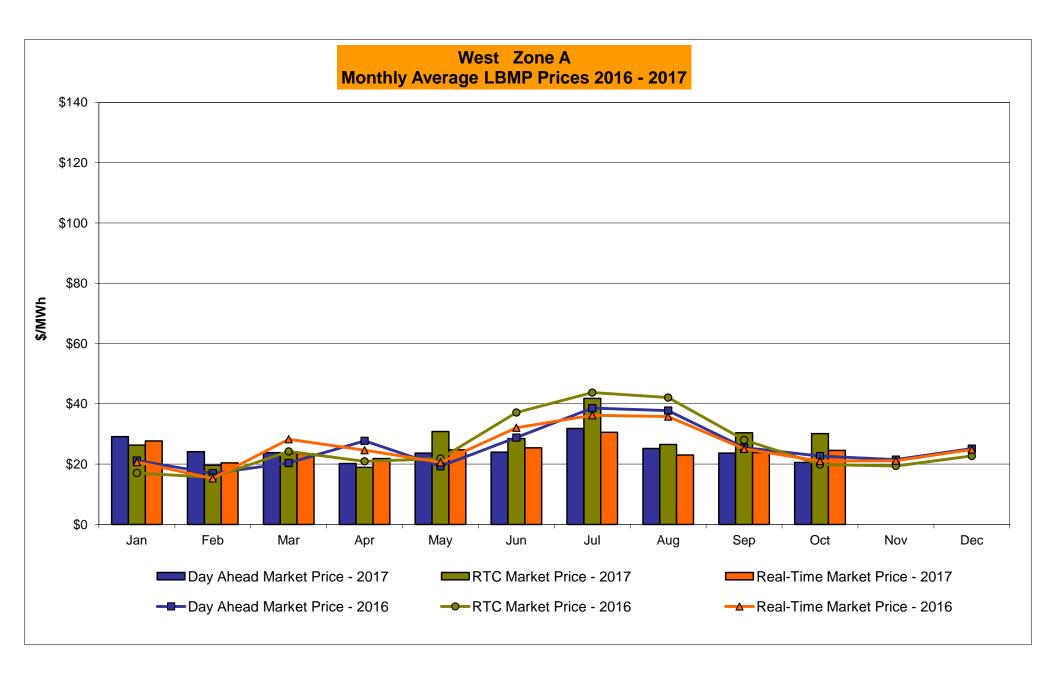


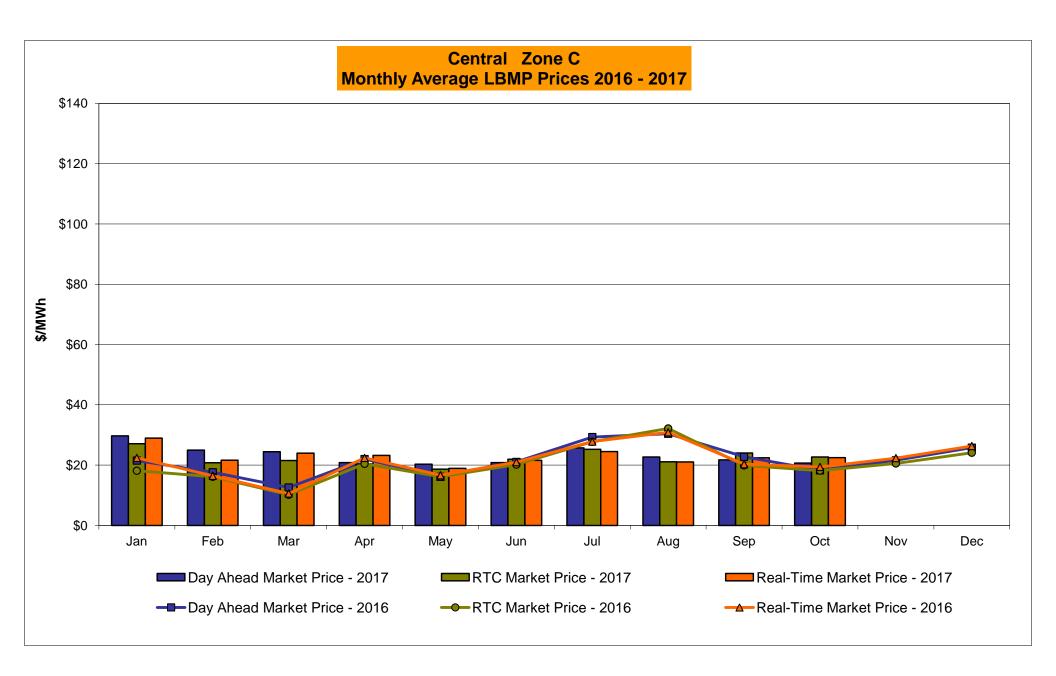
October 2017 Zonal LBMP Statistics for NYISO (\$/MWh)

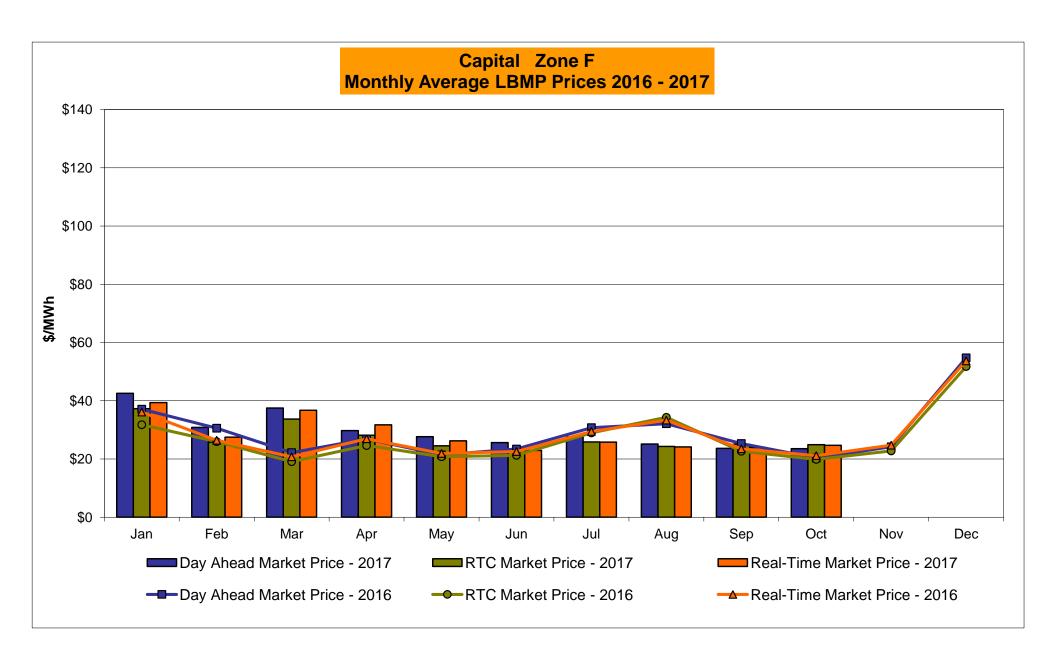
	WEST	GENESEE	NORTH	CENTRAL	MOHAWK VALLEY	CAPITAL	HUDSON VALLEY	MILLWOOD	DUNWOODIE	NEW YORK CITY	LONG ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP											
Unweighted Price *	20.55	20.18	14.71	20.67	20.73	23.52	25.17	25.43	25.48	27.88	33.45
Standard Deviation	6.97	6.77	8.49	6.85	6.90	6.90	8.03	8.26	8.28	8.87	15.86
RTC LBMP											
Unweighted Price *	30.11	21.50	16.87	22.68	22.22	24.91	25.42	25.47	25.45	26.46	36.80
Standard Deviation	51.23	8.70	19.57	9.82	8.78	8.17	8.72	8.80	8.79	9.20	44.53
REAL TIME LBMP											
Unweighted Price *	24.57	21.59	17.48	22.48	22.42	24.71	25.35	25.39	25.37	26.66	33.48
Standard Deviation	30.40	12.10	17.61	12.79	12.60	12.65	13.24	13.29	13.28	14.13	30.38
		HYDRO	HYDRO			CROSS					
	ONTARIO	HYDRO QUEBEC	HYDRO QUEBEC		NEW	CROSS SOUND	NORTHPORT-				
	ONTARIO IESO	QUEBEC		PJM	NEW ENGLAND		NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
		QUEBEC	QUEBEC	РЈМ		SOUND		NEPTUNE Controllable	LINDEN VFT Controllable	HUDSON Controllable	Dennison <u>Controllable</u>
		QUEBEC	QUEBEC	PJM <u>Zone P</u>		SOUND CABLE	NORWALK				
DAY AHEAD LBMP	IESO	QUEBEC (Wheel) (I	QUEBEC mport/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	Controllable	<u>Controllable</u>	Controllable
DAY AHEAD LBMP Unweighted Price *	Zone O 19.41	QUEBEC (Wheel) (I Zone M 15.17	QUEBEC mport/Export) Zone M 15.17	Zone P 24.01	Zone N 26.99	SOUND CABLE Controllable Line	NORWALK Controllable Line 29.73	Controllable Line 29.46	Controllable Line 28.02	Controllable Line 28.20	Controllable Line 14.47
	IESO Zone O	QUEBEC (Wheel) (I Zone M	QUEBEC mport/Export) <u>Zone M</u>	Zone P	ENGLAND Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
Unweighted Price * Standard Deviation RTC LBMP	Zone O 19.41	QUEBEC (Wheel) (I <u>Zone M</u> 15.17 7.21	QUEBEC mport/Export) Zone M 15.17 7.21	Zone P 24.01 7.49	Zone N 26.99 10.21	SOUND CABLE Controllable Line 31.26 11.69	NORWALK Controllable Line 29.73 10.82	Controllable Line 29.46	Controllable Line 28.02	Controllable Line 28.20 9.02	Controllable Line 14.47
Unweighted Price * Standard Deviation	Zone O 19.41 6.25	QUEBEC (Wheel) (I Zone M 15.17 7.21	QUEBEC mport/Export) Zone M 15.17 7.21	Zone P 24.01 7.49	Zone N 26.99 10.21	SOUND CABLE Controllable Line 31.26 11.69	NORWALK Controllable Line 29.73 10.82	29.46 10.56	28.02 8.86	Controllable Line 28.20 9.02	Controllable Line 14.47 8.30
Unweighted Price * Standard Deviation RTC LBMP	Zone O 19.41 6.25	QUEBEC (Wheel) (I <u>Zone M</u> 15.17 7.21	QUEBEC mport/Export) Zone M 15.17 7.21	Zone P 24.01 7.49	Zone N 26.99 10.21	SOUND CABLE Controllable Line 31.26 11.69	NORWALK Controllable Line 29.73 10.82	Controllable Line 29.46 10.56	Controllable Line 28.02 8.86	Controllable Line 28.20 9.02	Controllable Line 14.47 8.30
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation REAL TIME LBMP	Zone O 19.41 6.25 18.35 13.43	QUEBEC (Wheel) (I Zone M 15.17 7.21 17.91 18.92	QUEBEC mport/Export) Zone M 15.17 7.21 17.91 18.92	Zone P 24.01 7.49 24.52 9.21	Zone N 26.99 10.21 31.34 35.53	SOUND CABLE Controllable Line 31.26 11.69 37.11 46.08	NORWALK Controllable Line 29.73 10.82 35.59 43.95	29.46 10.56 34.06 42.84	28.02 8.86 25.73 10.05	28.20 9.02 26.24 9.05	14.47 8.30 17.04 20.08
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	Zone O 19.41 6.25	QUEBEC (Wheel) (I Zone M 15.17 7.21	QUEBEC mport/Export) Zone M 15.17 7.21	Zone P 24.01 7.49	Zone N 26.99 10.21	SOUND CABLE Controllable Line 31.26 11.69	NORWALK Controllable Line 29.73 10.82	29.46 10.56	28.02 8.86	Controllable Line 28.20 9.02	Controllable Line 14.47 8.30

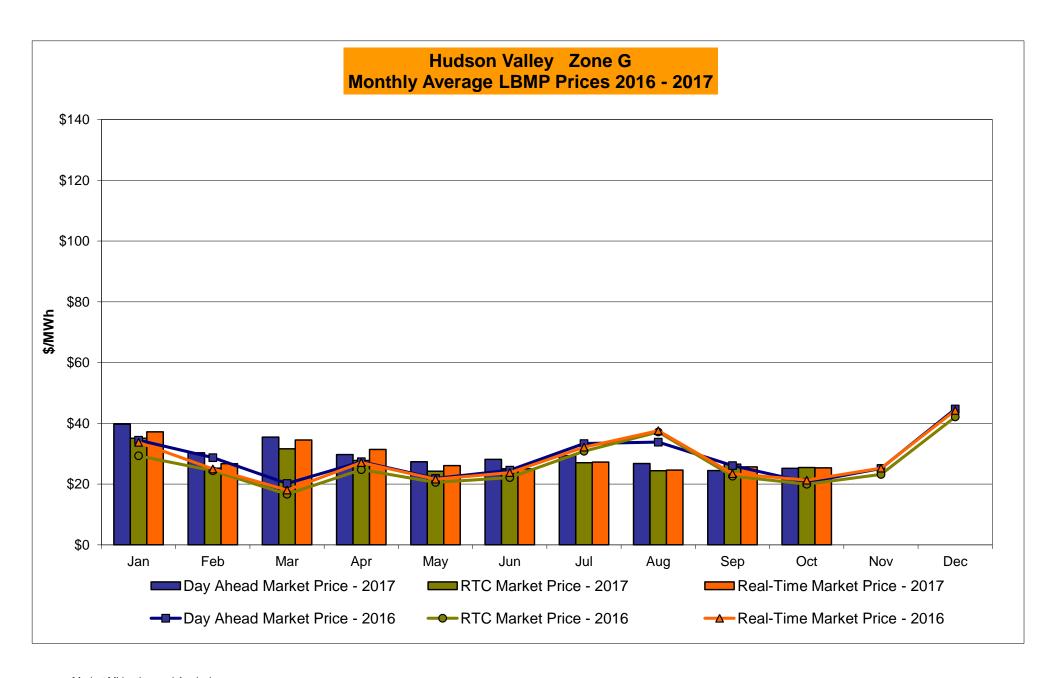
Market Mitigation and Analysis Prepared: 11/8/2017 2:58 PM

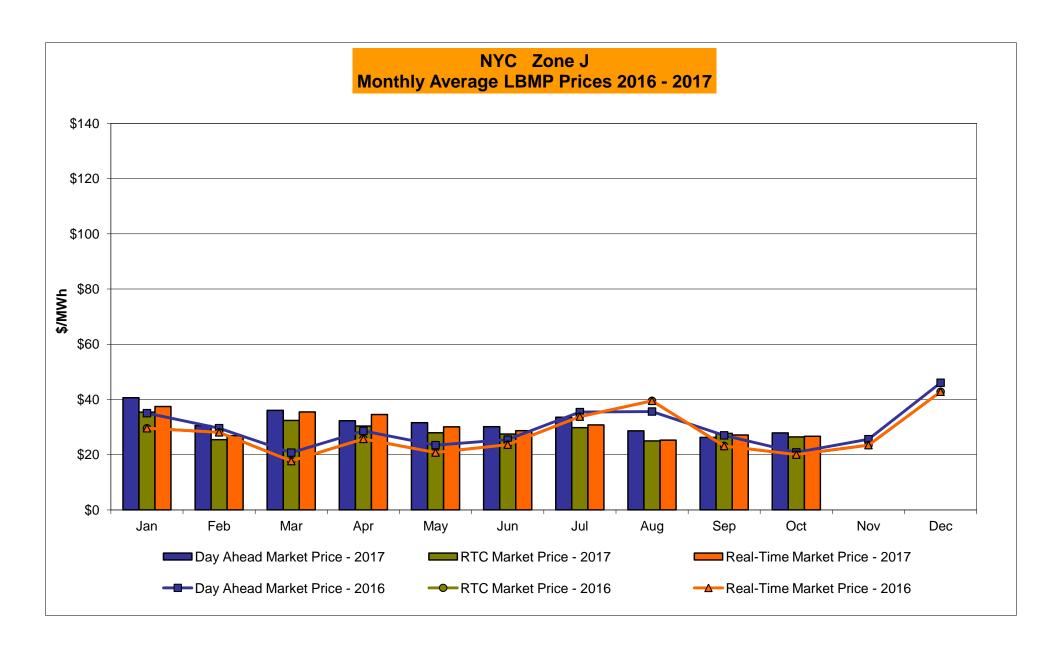
^{*} Straight LBMP averages

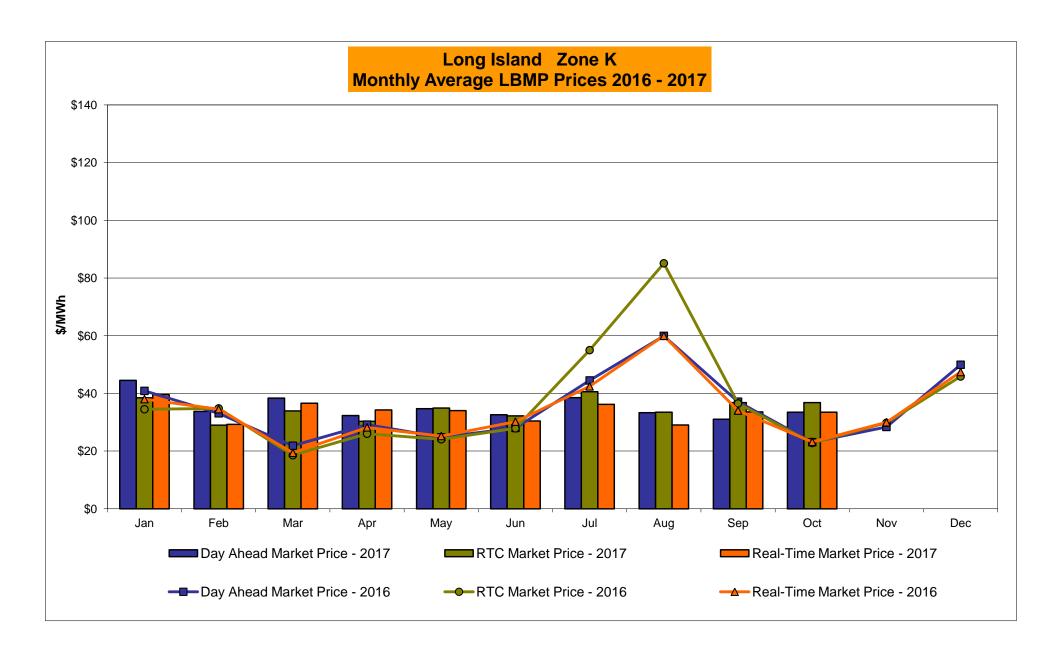


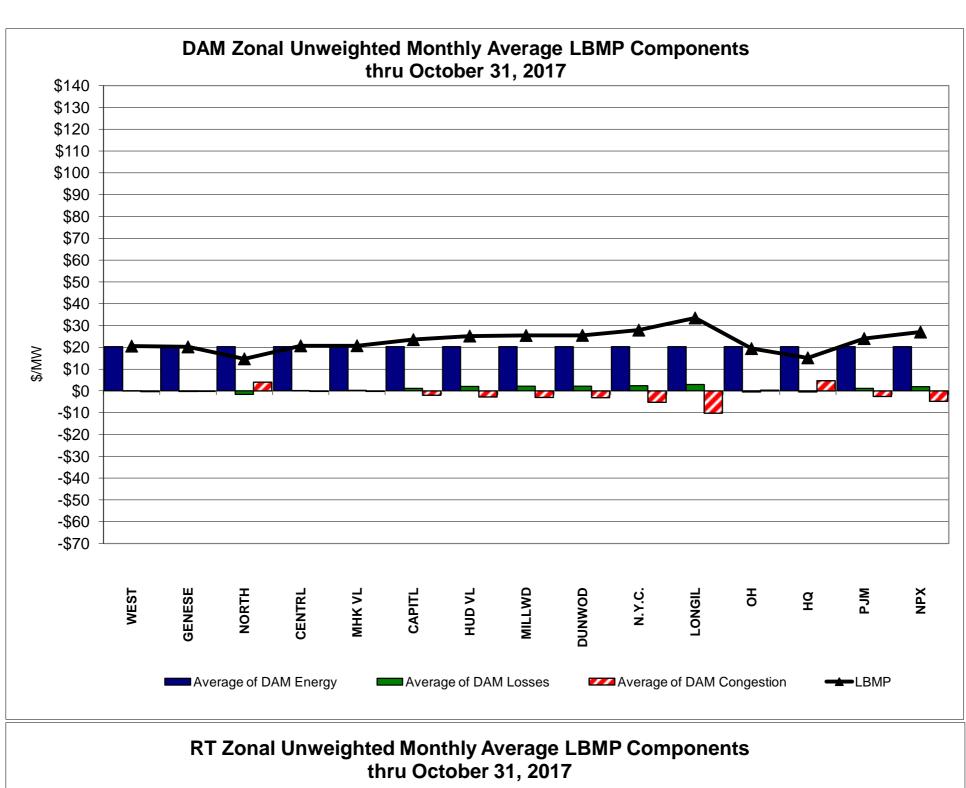


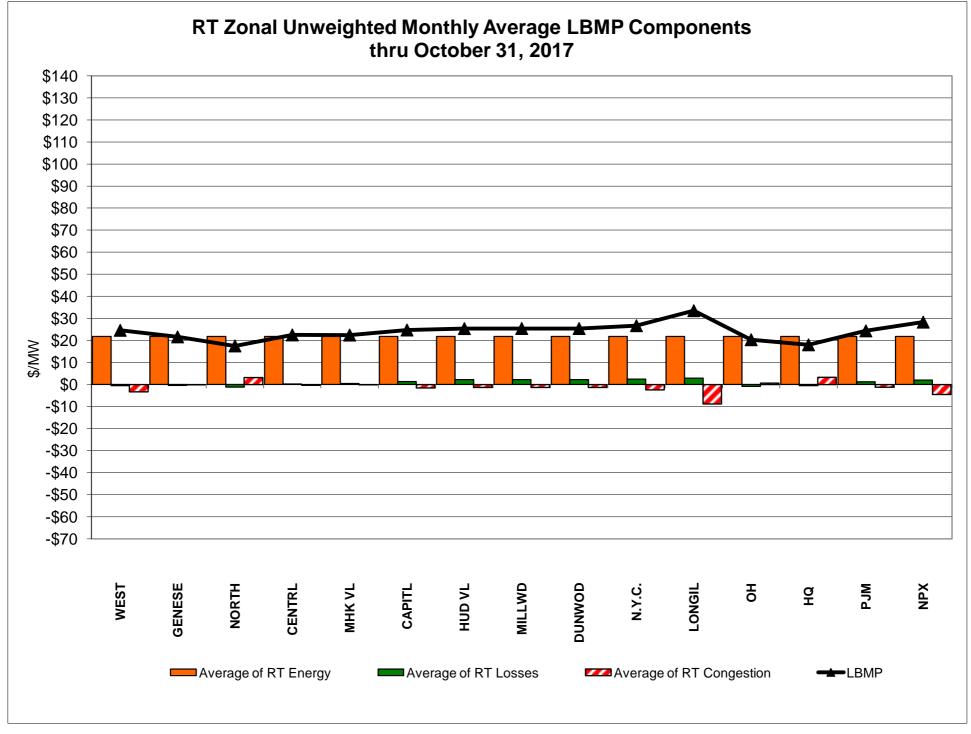




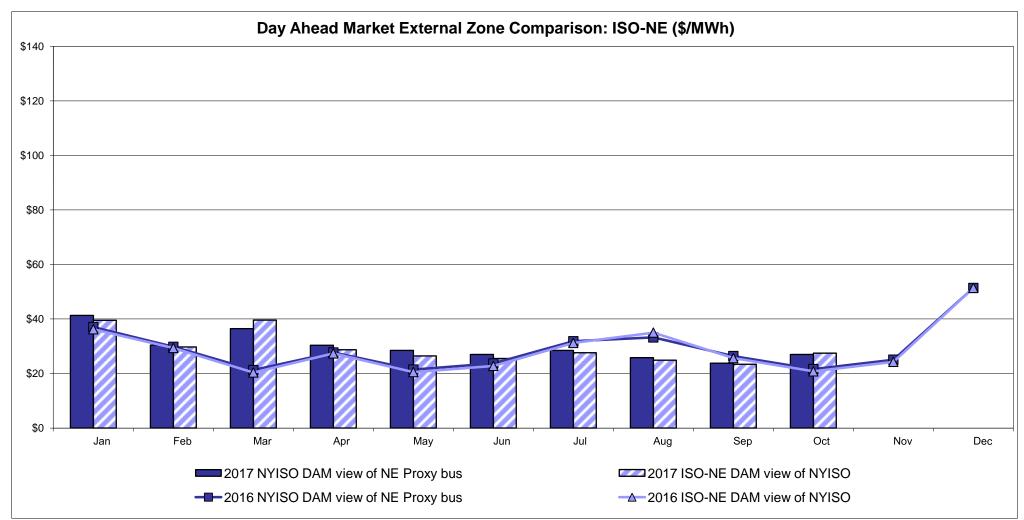


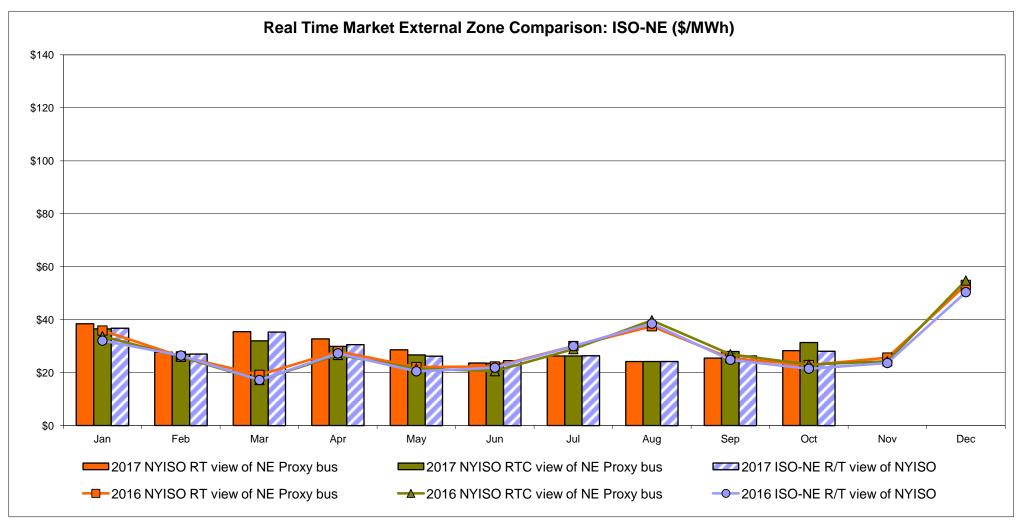




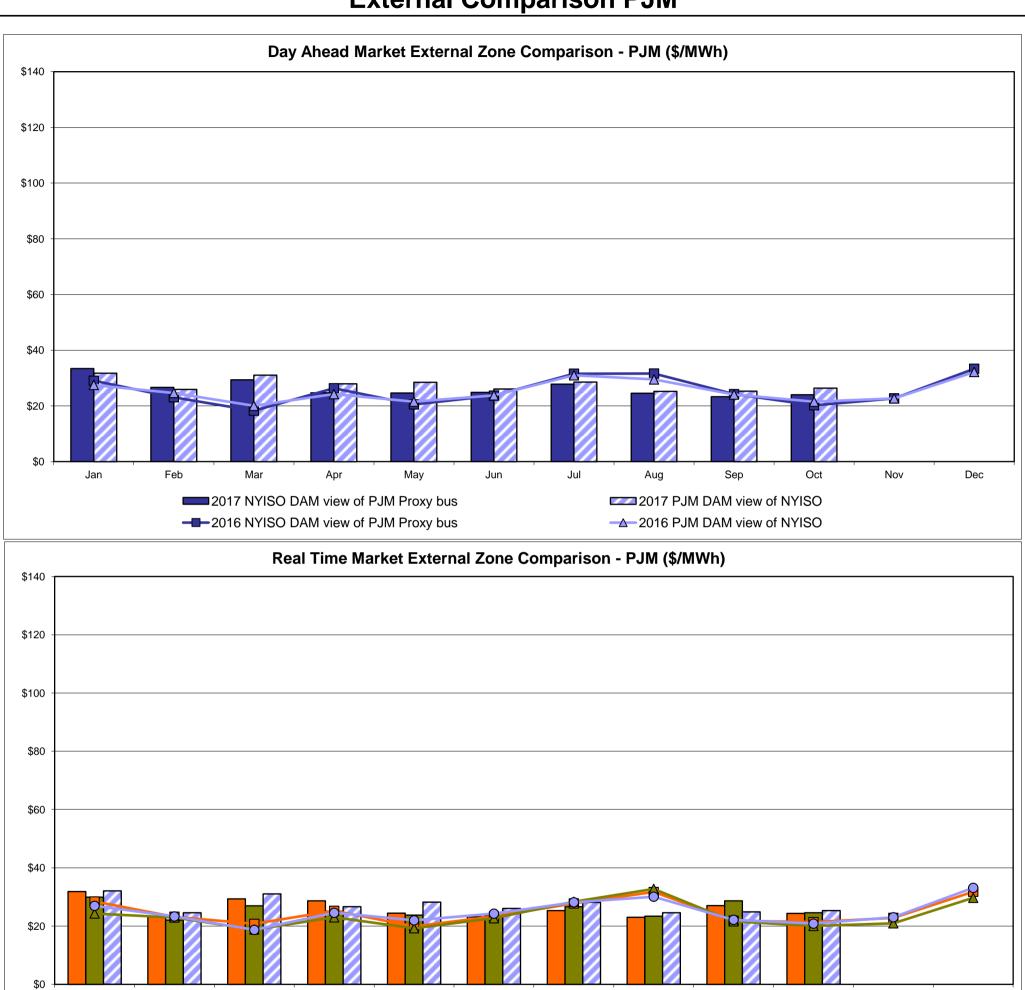


External Comparison ISO-New England





External Comparison PJM



■2017 NYISO RT view of PJM Proxy bus

----2016 NYISO RT view of PJM Proxy bus

Jun

2017 NYISO RTC view of PJM Proxy bus

2016 NYISO RTC view of PJM Proxy bus

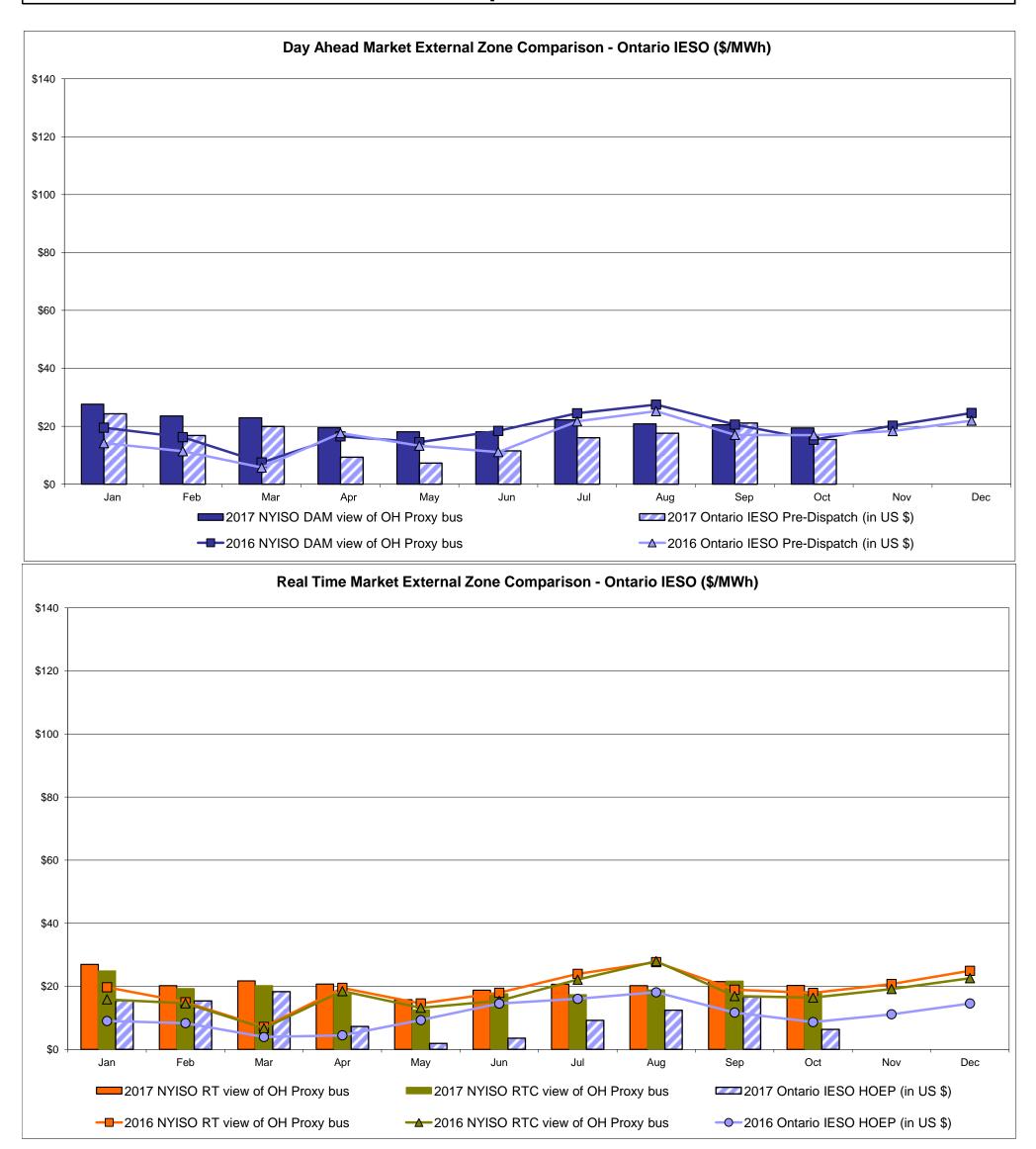
Sep

2017 PJM R/T view of NYISO

-0-2016 PJM R/T view of NYISO

May

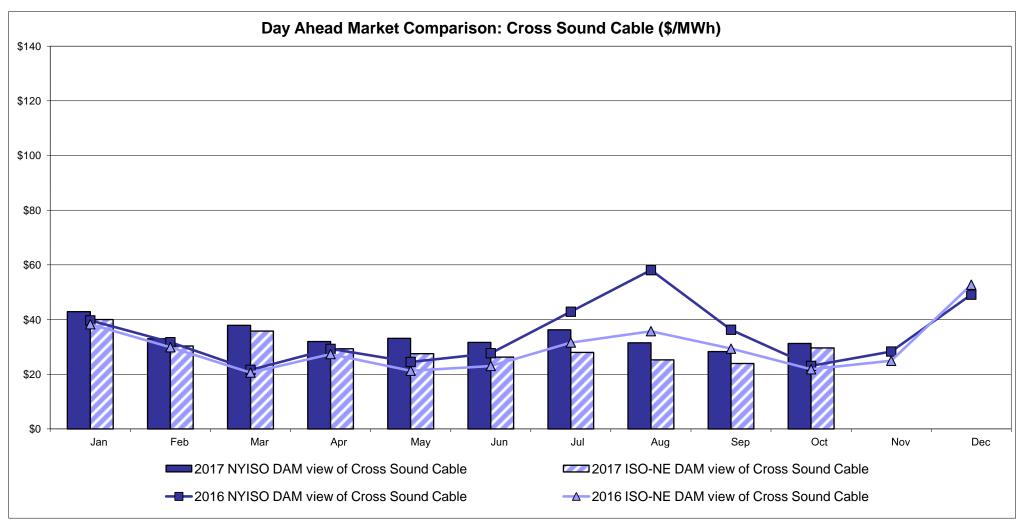
External Comparison Ontario IESO

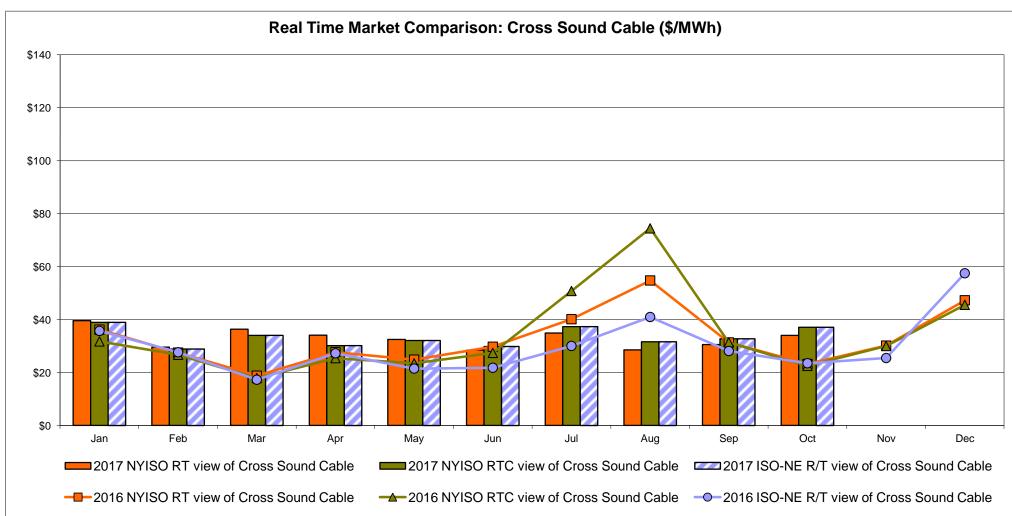


Notes: Exchange factor used for October 2017 was 0.793210121361149 to US

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

External Controllable Line: Cross Sound Cable (New England)





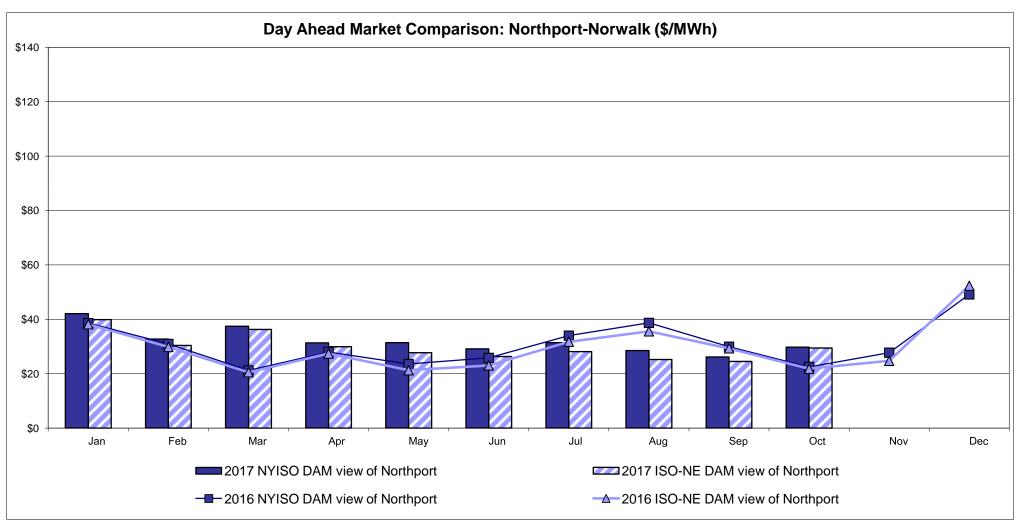
Note

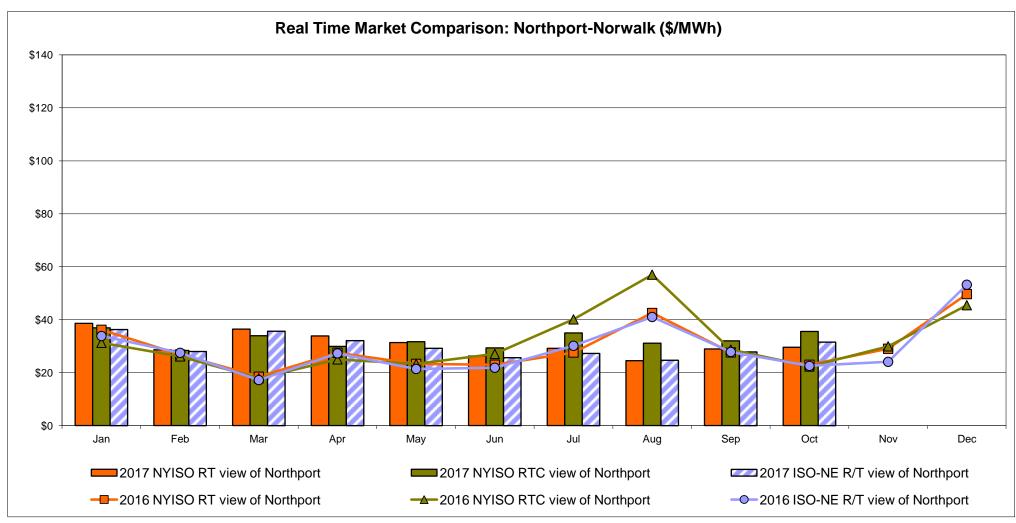
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

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

External Controllable Line: Northport - Norwalk (New England)





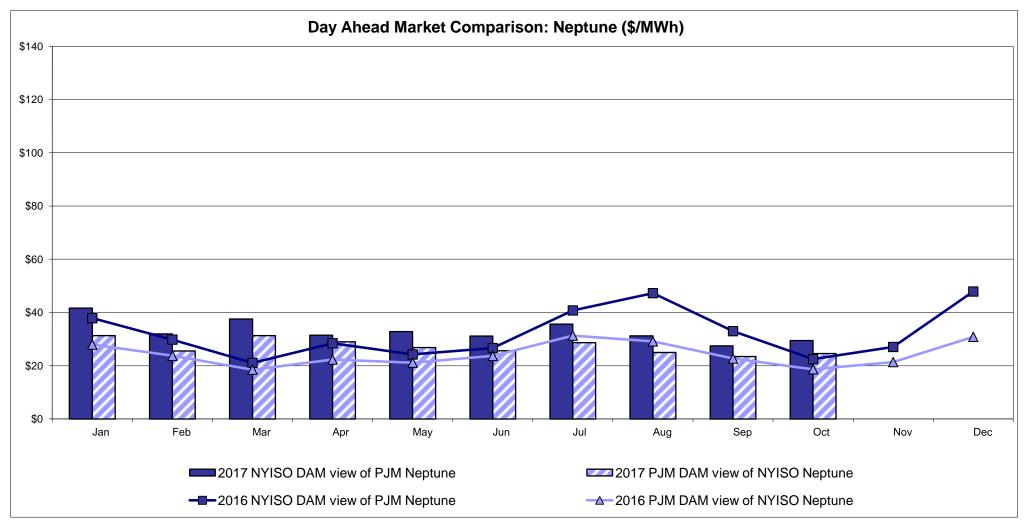
Note:

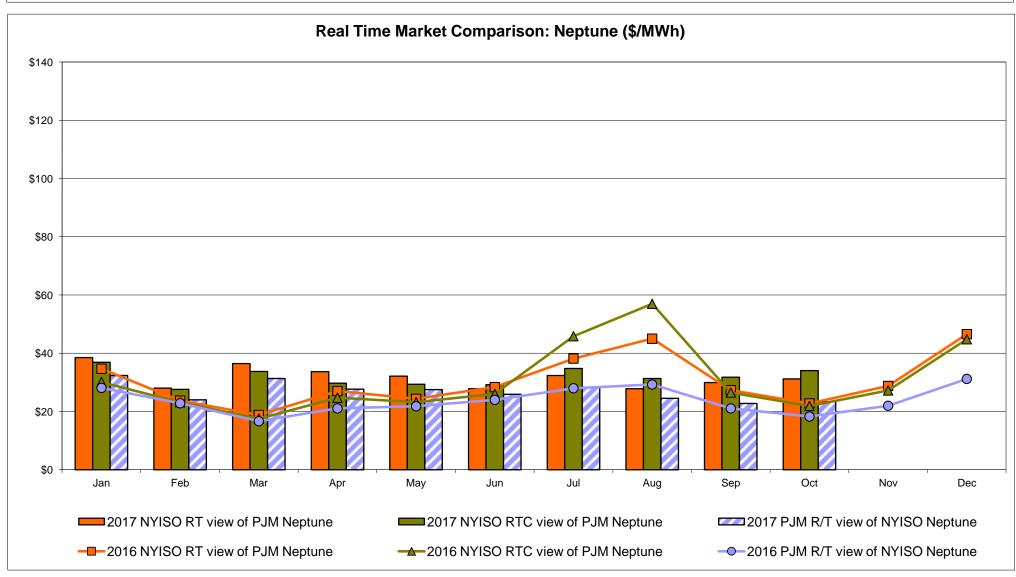
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

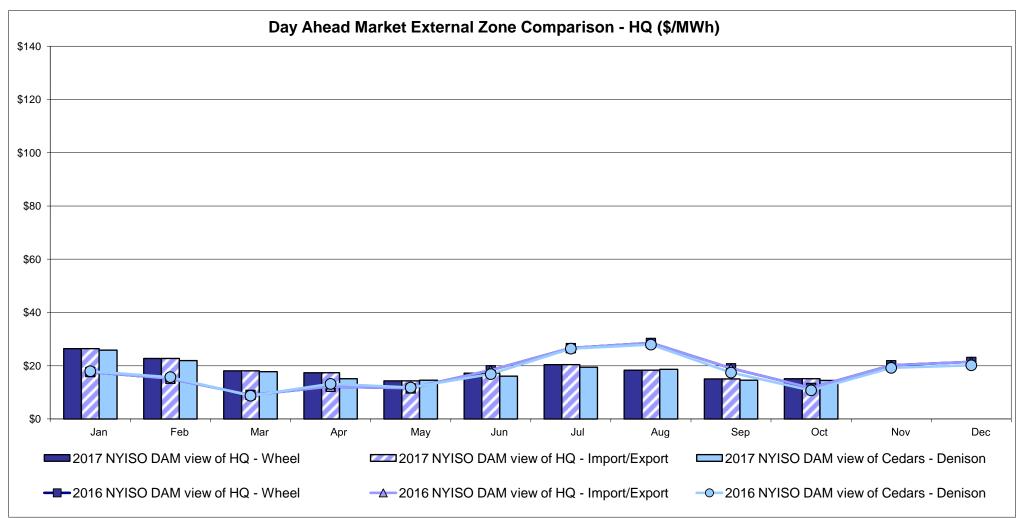
The DAM and R/T prices at the 1385 interface are used for NYISO.

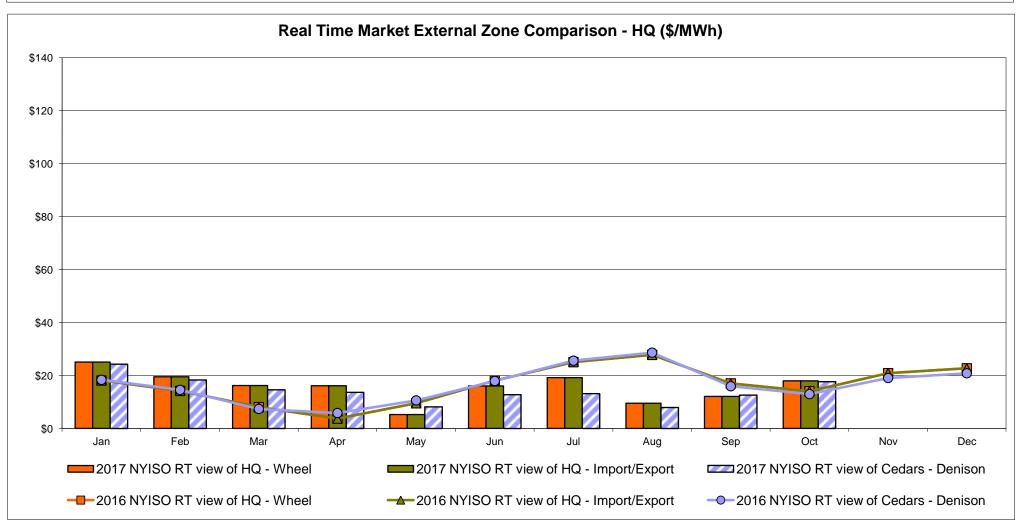
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

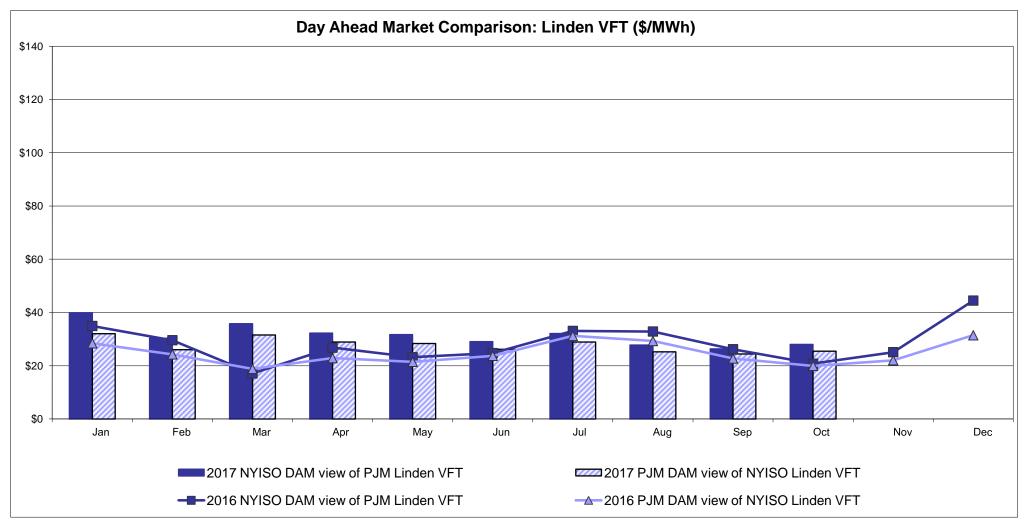


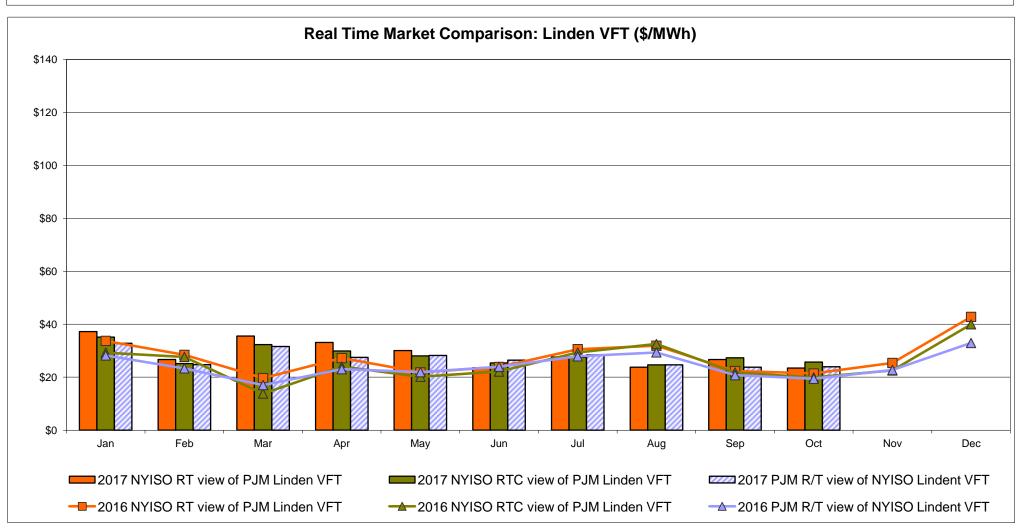


Note:

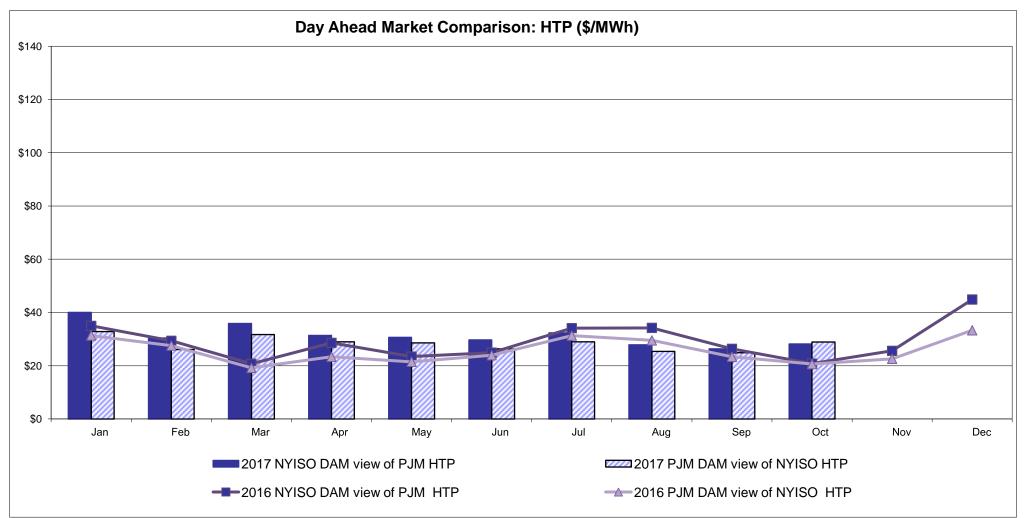
Hydro-Quebec Prices are unavailable.

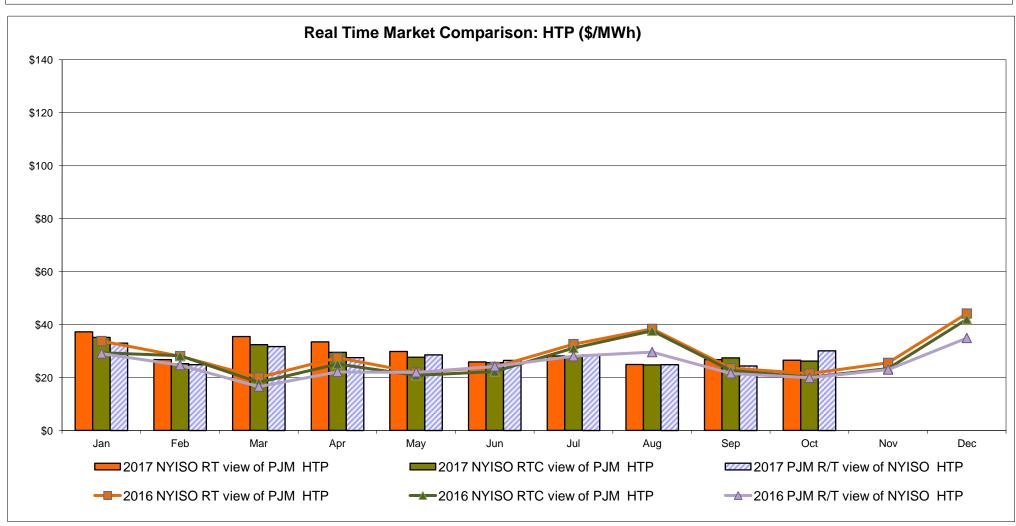
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)

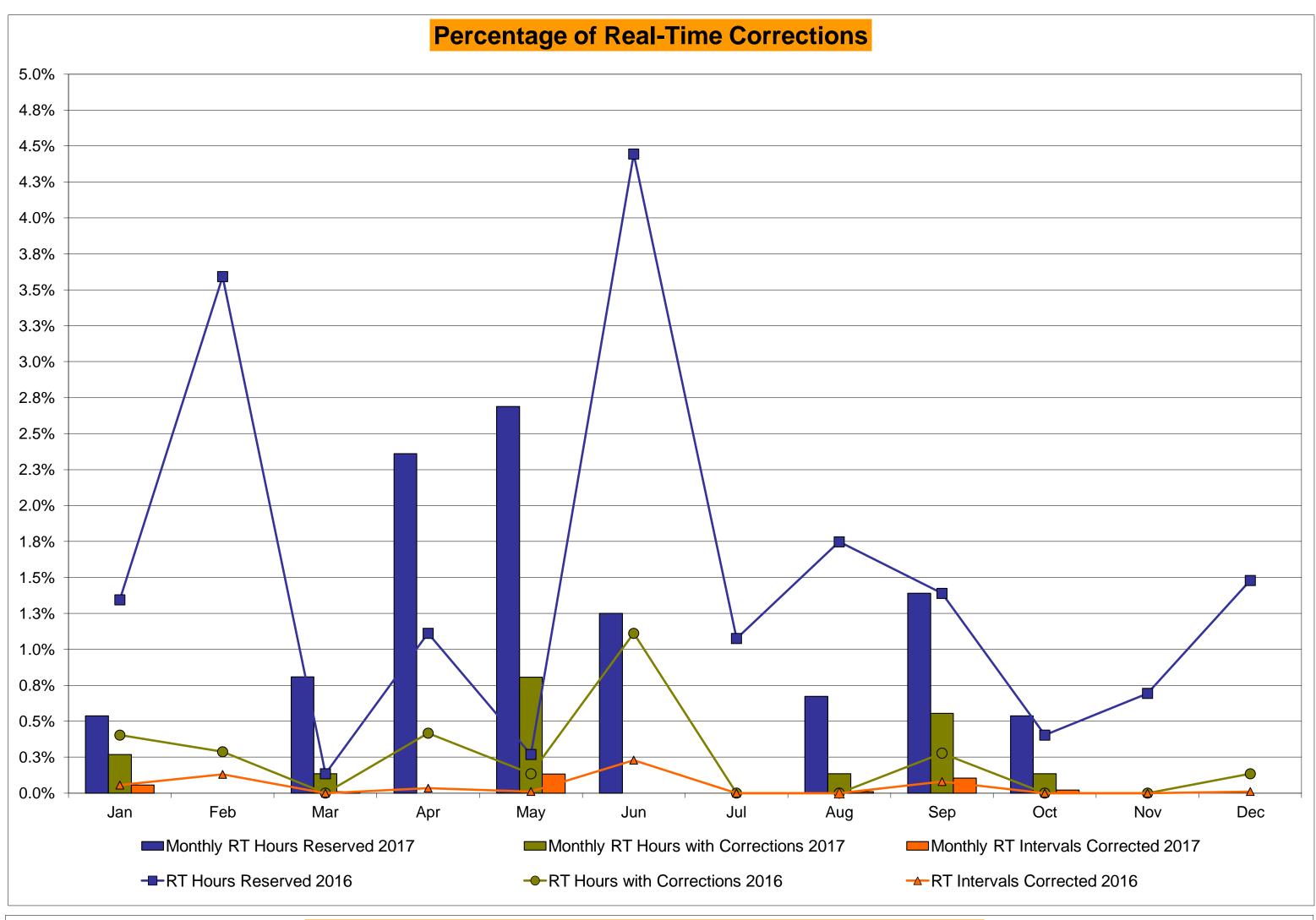


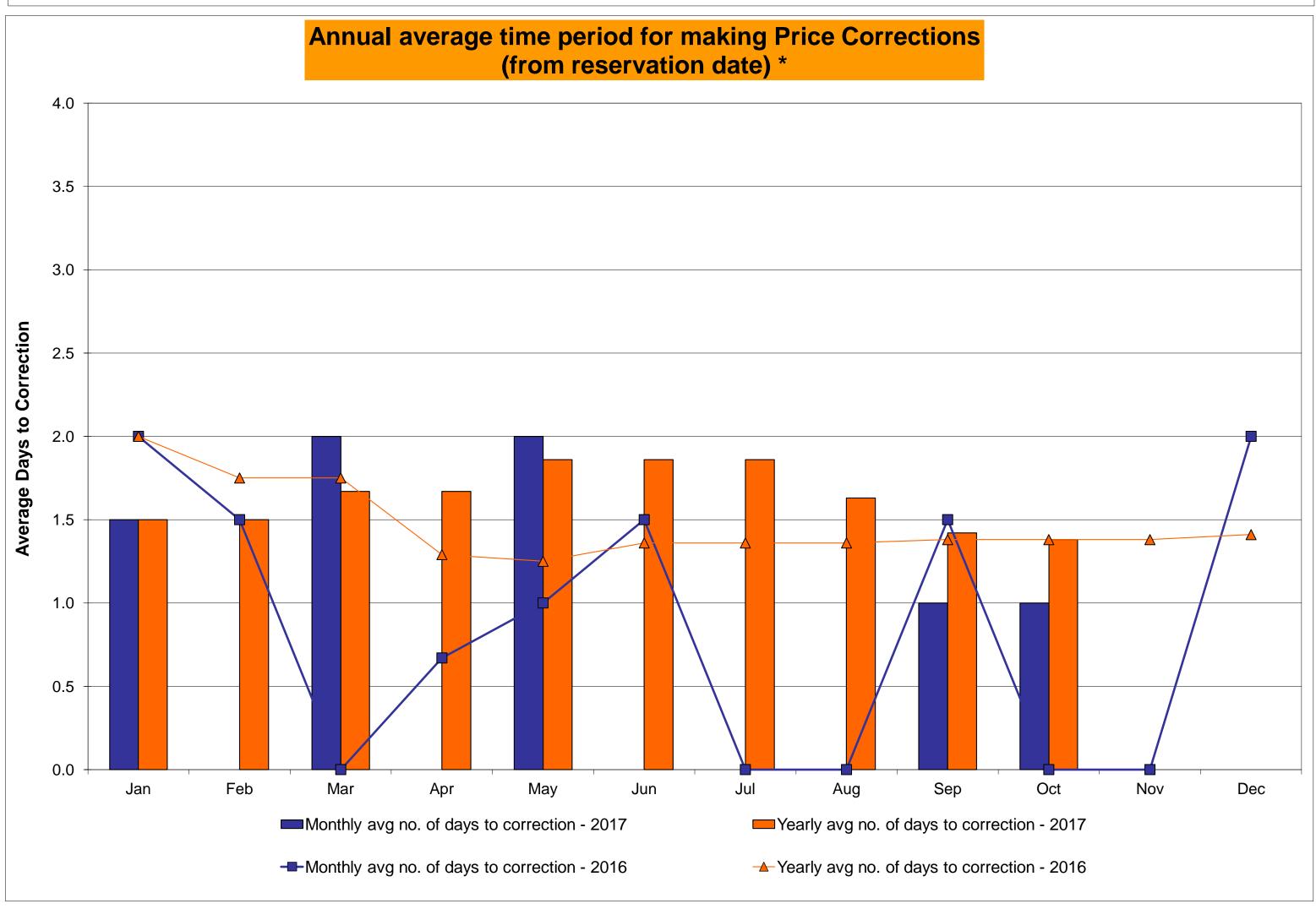


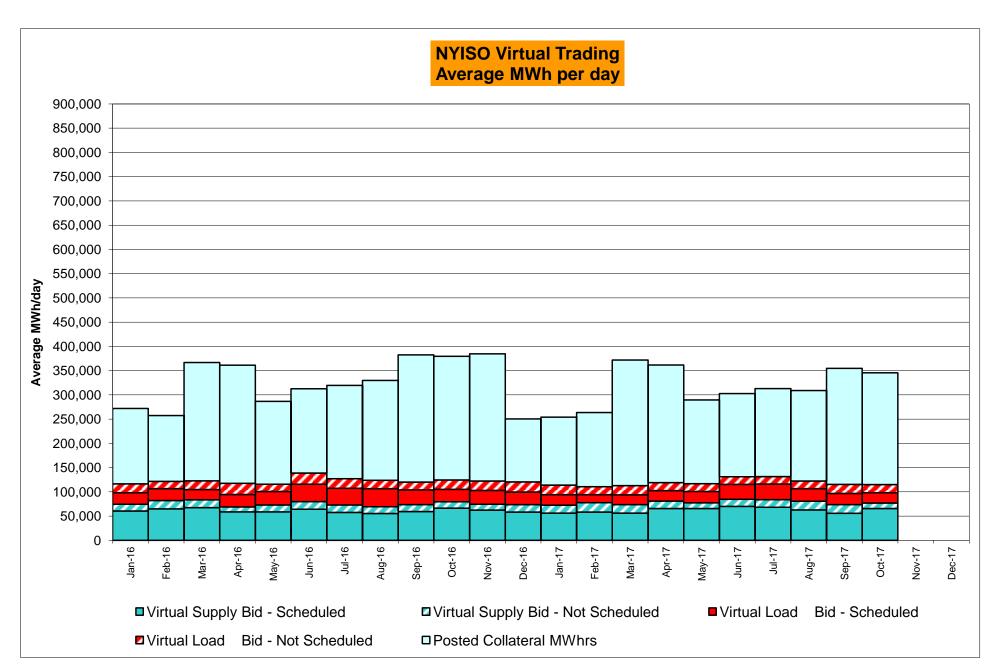
NYISO Real Time Price Correction Statistics

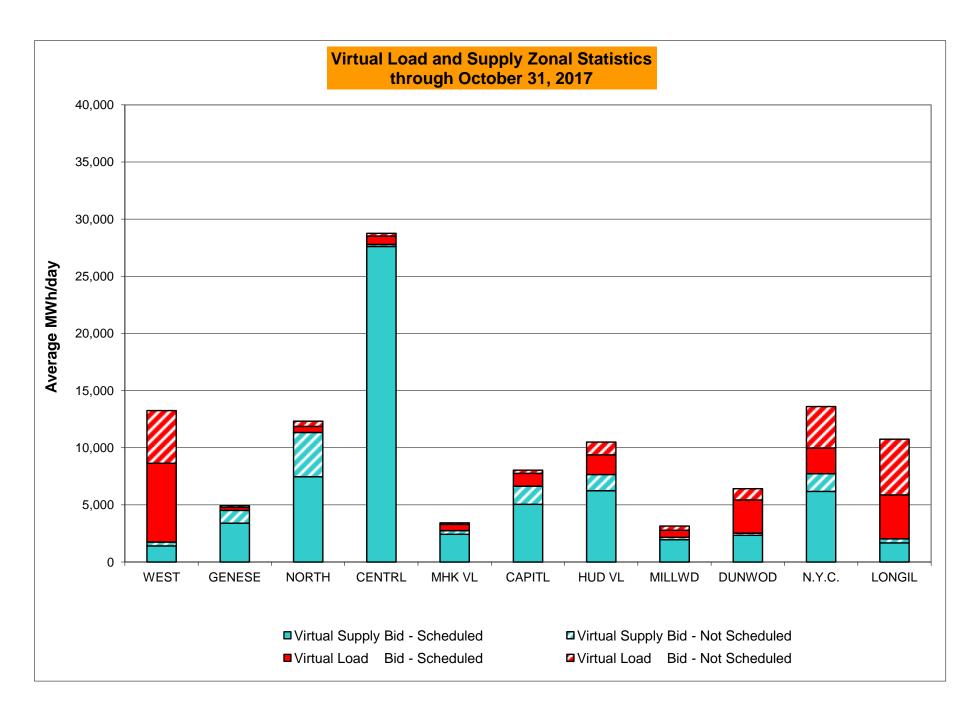
2017 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Number of hours with corrections	in the month	2	0	1	0	6	0	0	1	4	1		
Number of hours	in the month	- 744	672	743	720	744	720	744	744	720	744		
% of hours with corrections	in the month	0.27%	0.00%	0.13%	0.00%	0.81%	0.00%	0.00%	0.13%	0.56%	0.13%		
% of hours with corrections	year-to-date	0.27%	0.14%	0.14%	0.10%	0.25%	0.21%	0.18%	0.17%	0.21%	0.21%		
Interval Corrections	your to date	0.2770	0.1170	0.1170	0.1070	0.2070	0.2170	0.1070	0.1170	0.2170	0.2170		
Number of intervals corrected	in the month	5	0	1	0	12	0	0	1	9	2		
Number of intervals	in the month	8,983	8,101	9,026	8,745	9,004	8,712	8,968	8,980	8,701	9,006		
% of intervals corrected	in the month	0.06%	0.00%	0.01%	0.00%	0.13%	0.00%	0.00%	0.01%	0.10%	0.02%		
% of intervals corrected	year-to-date	0.06%	0.03%	0.02%	0.02%	0.04%	0.03%	0.03%	0.03%	0.04%	0.03%		
Hours Reserved	year-to-date	0.0076	0.03 /6	0.02 /6	0.02 /6	0.04 /0	0.03 //	0.03 /6	0.03 /6	0.04 /0	0.03 /6		
Number of hours reserved	in the month	4	0	6	17	20	9	0	5	10	4		
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744		
% of hours reserved	in the month	0.54%	0.00%	0.81%	2.36%	2.69%	1.25%	0.00%	0.67%	1.39%	0.54%		
% of hours reserved	year-to-date	0.54%	0.28%	0.46%	0.94%	1.30%	1.29%	1.10%	1.05%	1.08%	1.03%		
Days to Correction *	2. 0	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.00	4.00		
Avg. number of days to correction	in the month	1.50	0.00	2.00	0.00	2.00	0.00	0.00	0.00	1.00	1.00		
Avg. number of days to correction	year-to-date	1.50	1.50	1.67	1.67	1.86	1.86	1.86	1.63	1.42	1.38		
Days Without Corrections	2. 0	00	00	00	00	07	00	0.4	00	00	00		
Days without corrections	in the month	29	28	30	30	27	30	31	30	26	30		
Days without corrections	year-to-date	29	57	87	117	144	174	205	235	261	291		
<u>2016</u>		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	<u>September</u>	<u>October</u>	November	<u>December</u>
2016 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	December
	in the month	<u>January</u> 3	<u>February</u> 2	March 0	April 3	<u>May</u> 1	<u>June</u> 8	<u>July</u> 0	August 0	September 2	October 0	November 0	<u>December</u>
Hour Corrections	in the month in the month				-	<u>May</u> 1 744		-					<u>December</u> 1 744
Hour Corrections Number of hours with corrections		3	2	0	3	1	8	0	0	2	0	0	1
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month	3 744	2 696	0 743	3 720	1 744	8 720	0 744	0 744	2 720	0 744	0 721	 1 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections	in the month in the month	3 744 0.40%	2 696 0.29%	0 743 0.00%	3 720 0.42%	1 744 0.13%	8 720 1.11%	0 744 0.00%	0 744 0.00%	2 720 0.28%	0 744 0.00%	0 721 0.00%	1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected	in the month in the month	3 744 0.40% 0.40%	2 696 0.29% 0.35%	0 743 0.00% 0.23%	3 720 0.42% 0.28%	1 744 0.13% 0.25%	8 720 1.11% 0.39%	0 744 0.00% 0.33%	0 744 0.00% 0.29%	2 720 0.28% 0.29%	0 744 0.00% 0.26%	0 721 0.00% 0.24%	1 744 0.13% 0.23%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals	in the month in the month year-to-date	3 744 0.40% 0.40% 5 9,000	2 696 0.29% 0.35% 11 8,440	0 743 0.00% 0.23% 0 8,995	3 720 0.42% 0.28% 3 8,724	1 744 0.13% 0.25% 1 8,987	8 720 1.11% 0.39% 20 8,725	0 744 0.00% 0.33% 0 9,038	0 744 0.00% 0.29% 0 9,048	2 720 0.28% 0.29% 7 8,713	0 744 0.00% 0.26% 0 8,960	0 721 0.00% 0.24% 0 8,724	1 744 0.13% 0.23% 1 9,034
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected	in the month in the month year-to-date in the month	3 744 0.40% 0.40%	2 696 0.29% 0.35%	0 743 0.00% 0.23%	3 720 0.42% 0.28%	1 744 0.13% 0.25%	8 720 1.11% 0.39%	0 744 0.00% 0.33%	0 744 0.00% 0.29%	2 720 0.28% 0.29%	0 744 0.00% 0.26%	0 721 0.00% 0.24%	1 744 0.13% 0.23%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month	3 744 0.40% 0.40% 5 9,000	2 696 0.29% 0.35% 11 8,440	0 743 0.00% 0.23% 0 8,995	3 720 0.42% 0.28% 3 8,724	1 744 0.13% 0.25% 1 8,987	8 720 1.11% 0.39% 20 8,725	0 744 0.00% 0.33% 0 9,038	0 744 0.00% 0.29% 0 9,048	2 720 0.28% 0.29% 7 8,713	0 744 0.00% 0.26% 0 8,960	0 721 0.00% 0.24% 0 8,724	1 744 0.13% 0.23% 1 9,034
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved	in the month in the month year-to-date in the month in the month in the month year-to-date	3 744 0.40% 0.40% 5 9,000 0.06% 0.06%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09%	0 743 0.00% 0.23% 0 8,995 0.00%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05%	1 744 0.13% 0.23% 1 9,034 0.01% 0.05%
Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Wors Reserved Number of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	3 744 0.40% 0.40% 5 9,000 0.06% 0.06%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05%	1 744 0.13% 0.23% 1 9,034 0.01% 0.05%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	3 744 0.40% 0.40% 5 9,000 0.06% 0.06%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744	2 720 0.28% 0.29% 7 8,713 0.08% 0.06%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05%	1 744 0.13% 0.23% 1 9,034 0.01% 0.05%
Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Wors Reserved Number of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	3 744 0.40% 0.40% 5 9,000 0.06% 0.06%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05%	1 744 0.13% 0.23% 1 9,034 0.01% 0.05%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	3 744 0.40% 0.40% 5 9,000 0.06% 0.06%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744	2 720 0.28% 0.29% 7 8,713 0.08% 0.06%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05%	1 744 0.13% 0.23% 1 9,034 0.01% 0.05%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction *	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% 1.34%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% 2.43%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% 1.65%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% 1.52%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% 1.26%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% 1.79%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% 1.68%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% 1.69%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% 1.66%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% 1.53%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% 1.46%	1 744 0.13% 0.23% 1 9,034 0.01% 0.05% 11 744 1.48% 1.46%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month	3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% 1.34%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% 2.43%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% 1.65%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% 1.52%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% 1.26%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% 1.79%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% 1.68%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% 1.69%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% 1.66%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% 1.53%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% 1.46%	1 744 0.13% 0.23% 1 9,034 0.01% 0.05% 11 744 1.48% 1.46%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved % of hours reserved Days to Correction Avg. number of days to correction Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% 1.34%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% 2.43%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% 1.65%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% 1.52%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% 1.26%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% 1.79%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% 1.68%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% 1.69%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% 1.66%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% 1.53%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% 1.46%	1 744 0.13% 0.23% 1 9,034 0.01% 0.05% 11 744 1.48% 1.46%
Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Mumber of intervals Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Mumber of hours reserved Number of hours reserved Number of hours % of hours reserved Days to Correction Avg. number of days to correction Avg. number of days to correction Days Without Corrections	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month year-to-date	3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% 1.34% 2.00 2.00	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% 2.43% 1.50 1.75	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% 1.65% 0.00 1.75	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% 1.52% 0.67 1.29	1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% 1.26% 1.00 1.25	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% 1.79% 1.50 1.36	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% 1.68% 0.00 1.36	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% 1.69% 0.00 1.36	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% 1.66% 1.50 1.38	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% 1.53% 0.00 1.38	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% 1.46% 0.00 1.38	1 744 0.13% 0.23% 1 9,034 0.01% 0.05% 11 744 1.48% 1.46% 2.00 1.41
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved % of hours reserved Days to Correction Avg. number of days to correction Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month	3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% 1.34%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% 2.43%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% 1.65%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% 1.52%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% 1.26%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% 1.79%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% 1.68%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% 1.69%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% 1.66%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% 1.53%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% 1.46%	1 744 0.13% 0.23% 1 9,034 0.01% 0.05% 11 744 1.48% 1.46%

^{*} Calendar days from reservation date.









Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2017 Virtual Load Bid Virtual Load Bid **Virtual Supply Bid Virtual Load Bid Virtual Supply Bid Virtual Supply Bid** Not Not Not Not Not Not Scheduled Date Scheduled Scheduled Scheduled Date Scheduled Scheduled Scheduled Scheduled Scheduled Scheduled Scheduled Zone Scheduled Zone Zone Date MHK VL DUNWOD **WEST** Jan-17 6,094 5,795 2,019 337 Jan-17 566 202 2,022 131 Jan-17 304 832 5,708 389 Feb-17 3,771 4,772 3,346 567 Feb-17 422 100 2,459 293 Feb-17 193 585 5,966 424 Mar-17 6,522 4,960 2.386 616 Mar-17 407 186 3,594 378 Mar-17 436 763 4.871 439 1,934 2,856 430 1,097 406 232 Apr-17 6,956 5,390 699 Apr-17 457 102 Apr-17 3,517 276 8,468 5,775 1,261 546 May-17 532 105 2,786 401 May-17 1,215 155 1,863 May-17 Jun-17 10,776 5,128 1,497 512 516 149 2,492 586 Jun-17 1,117 287 3,281 383 Jun-17 Jul-17 10.883 6,588 2.341 538 Jul-17 625 174 3,324 468 Jul-17 2,287 281 2.848 246 9,289 160 Aug-17 6,104 3,043 595 Aug-17 667 98 2,915 694 <u>Aug-17</u> 875 500 2,611 Sep-17 8,186 1,056 334 700 125 892 Sep-17 987 526 469 6,774 Sep-17 2,432 2,397 Oct-17 6.899 4,604 1,404 341 Oct-17 544 146 2.429 316 Oct-17 2.900 990 2.337 193 Nov-17 Nov-17 Nov-17 Dec-17 Dec-17 Dec-17 GENESE 1,282 CAPITL N.Y.C. 5,474 Jan-17 654 3,652 2,482 Jan-17 1,291 666 3,990 3,861 Jan-17 5,761 1,543 1,008 Feb-17 276 600 3.782 3.206 Feb-17 1.115 409 3.432 3.798 Feb-17 4.622 5.309 1.712 1.219 480 Mar-17 528 Mar-17 4,052 Mar-17 838 3,806 3,419 1,409 5,186 2,484 5,826 1,561 1,058 Apr-17 Apr-17 Apr-17 353 4,074 2,880 549 656 1,160 5,589 1,973 4,374 4,331 1,161 529 May-17 393 128 4,096 2,027 May-17 1,232 454 5,697 1,635 May-17 3,357 4,679 1,434 569 Jun-17 516 169 2,920 2,119 Jun-17 779 372 6,479 1,916 Jun-17 8,293 4,163 1,050 608 5,972 2,726 Jul-17 335 190 3,494 1,622 Jul-17 450 290 2,754 Jul-17 8,732 1,728 902 505 818 430 119 3,186 1,912 399 6,112 2,682 Aug-17 5,911 2,890 1,284 Aug-17 Aug-17 Sep-17 541 230 2,105 1,132 Sep-17 1,093 240 4,943 2,426 Sep-17 3,224 3,937 1,972 1,027 262 Oct-17 143 3,393 1,130 Oct-17 1,132 280 5.055 1,578 Oct-17 2,251 3,626 6,178 1,547 Nov-17 Nov-17 Nov-17 Dec-17 Dec-17 Dec-17 NORTH HUD VL LONGIL 655 6,415 3,473 Jan-17 817 5.317 3.064 3,559 3.788 1,354 1.367 Jan-17 316 911 Jan-17 Feb-17 465 338 7,504 4,006 1,292 1,653 1,667 Feb-17 915 6,266 3,873 Feb-17 3,341 3,127 4,133 Mar-17 426 311 7,227 4,576 Mar-17 659 1,048 5,427 2,652 Mar-17 3,779 1,958 1,463 Apr-17 414 138 7,520 4,435 Apr-17 1,575 871 5,708 2,333 Apr-17 3,706 3,309 1,748 1,232 555 280 2,436 1,006 2,378 1,740 May-17 7,848 May-17 1,202 6,608 May-17 4,232 2,893 998 Jun-17 552 468 6,955 2,920 Jun-17 836 823 6,861 3,317 Jun-17 4,848 2,532 1,402 1,398 Jul-17 586 533 6,883 2,889 Jul-17 1,140 726 6,184 4,114 Jul-17 4,846 2,137 1,320 1,535 Aug-17 625 294 7,799 4.744 Aug-17 1,059 1,617 7,576 5,051 Aug-17 4,257 2,711 1,379 1.012 Sep-17 626 396 6,315 5,216 Sep-17 1,623 1,874 5,422 4,625 Sep-17 4,083 3,980 1,355 645 533 456 1,676 Oct-17 7,470 3,864 Oct-17 1,721 1,116 6,240 1,414 Oct-17 3,842 4,887 348 Nov-17 Nov-17 Nov-17 Dec-17 Dec-17 Dec-17 CENTRL Jan-17 1,482 455 22,561 196 MILLWD Jan-17 435 91 1,422 128 **NYISO** Jan-17 21,713 19,719 56,001 16,436 Feb-17 707 177 20,639 320 202 74 1,555 164 16,405 16,406 58,312 19,537 Feb-17 Feb-17 Mar-17 979 605 18,610 454 157 1,452 158 Mar-17 19,956 19,002 56,078 17,759 518 Mar-17 1.079 Apr-17 505 30.148 519 Apr-17 595 328 1.228 149 Apr-17 21,767 16.586 65.484 15.41 May-17 1,472 492 30,724 312 662 255 1,474 195 May-17 23,320 16,222 65,531 11,774 May-17 Jun-17 1,839 672 35,205 380 Jun-17 663 1,057 2,019 340 Jun-17 30,736 15,820 70,160 14,480 Jul-17 1,687 435 32,177 303 Jul-17 809 361 32,377 15,396 68,136 15,732 1,316 1,865 Jul-17 Aug-17 1,566 174 25,045 258 Aug-17 514 643 1,923 272 Aug-17 26,086 15,550 62,874 17,809 Sep-17 1,275 291 26,053 381 Sep-17 574 561 1,815 701 Sep-17 22,912 18,933 55,865 17,846 377 Oct-17 738 233 27,605 188 Oct-17 608 1,956 212 Oct-17 21,430 16,857 65,743 11,133

Nov-17

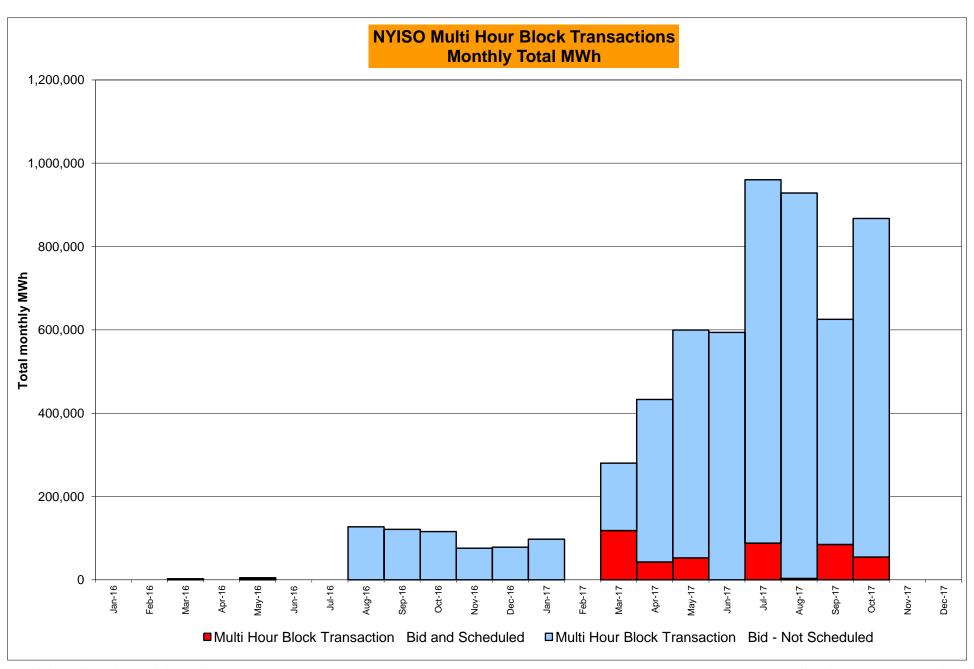
Dec-17

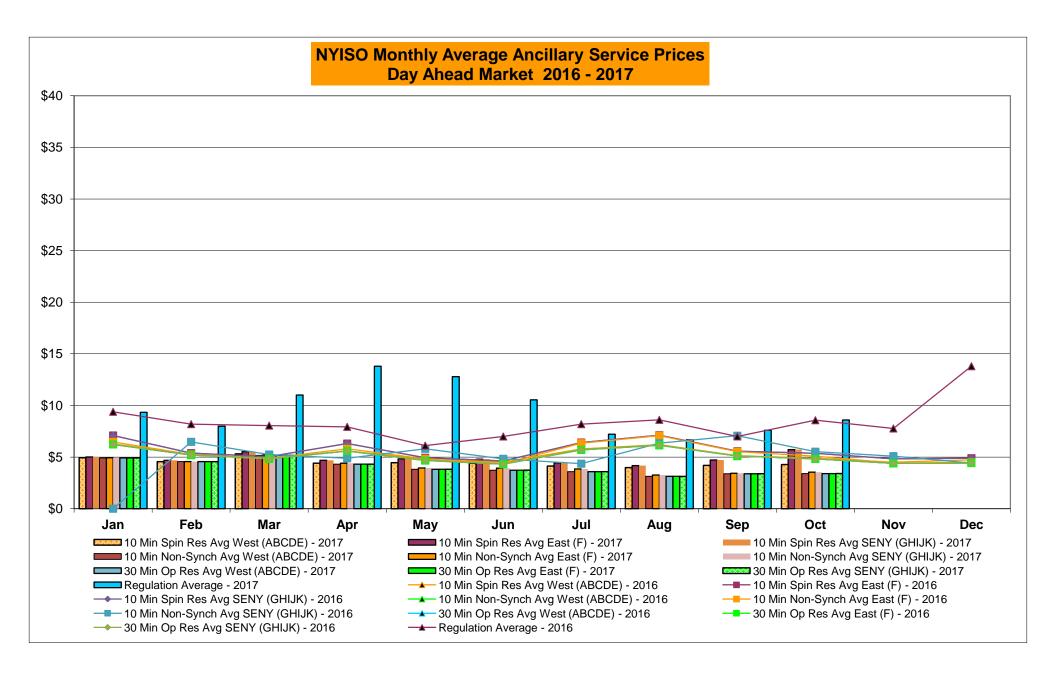
Nov-17

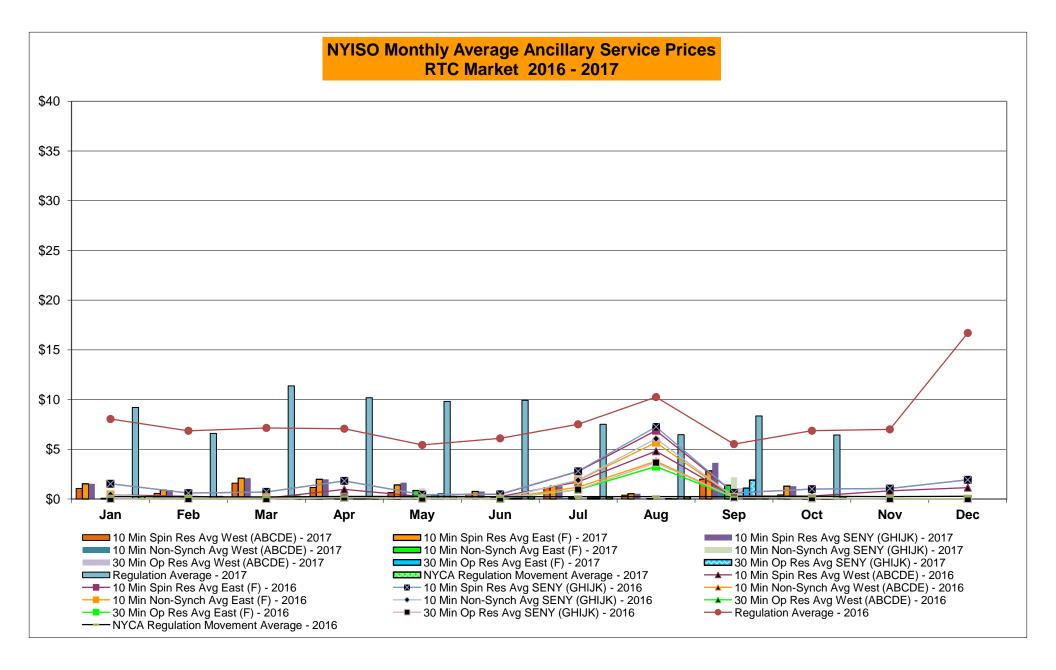
Dec-17

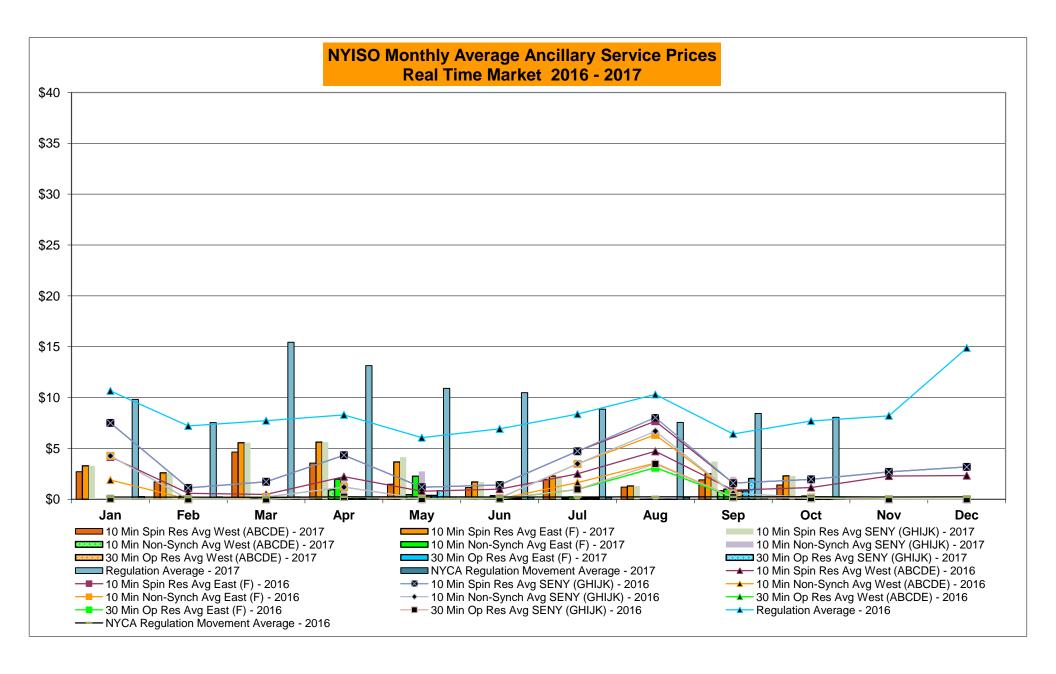
Nov-17

Dec-17



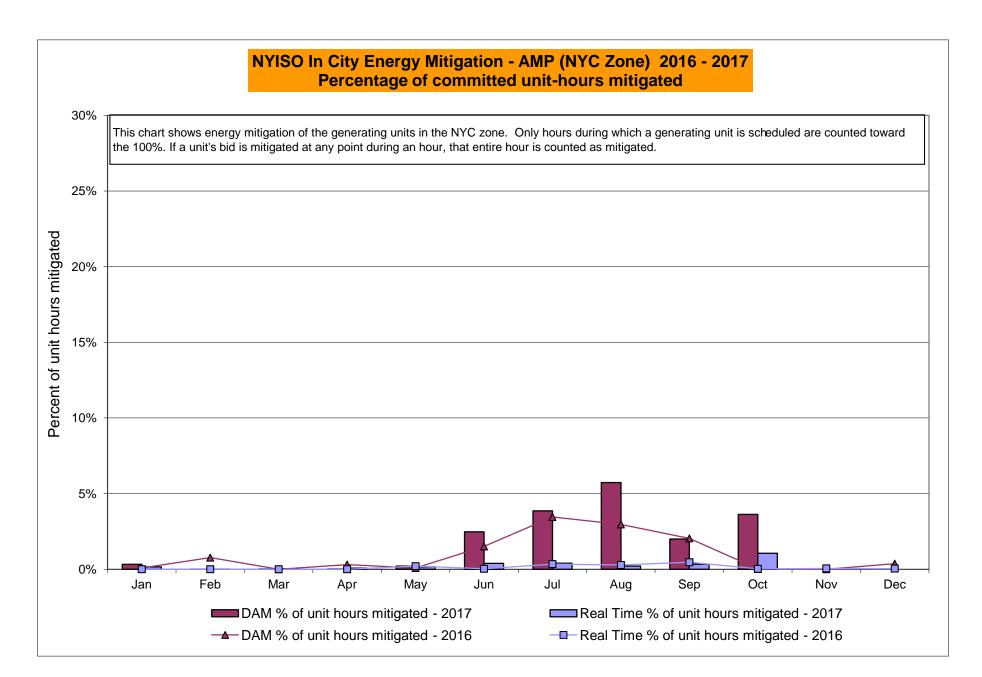


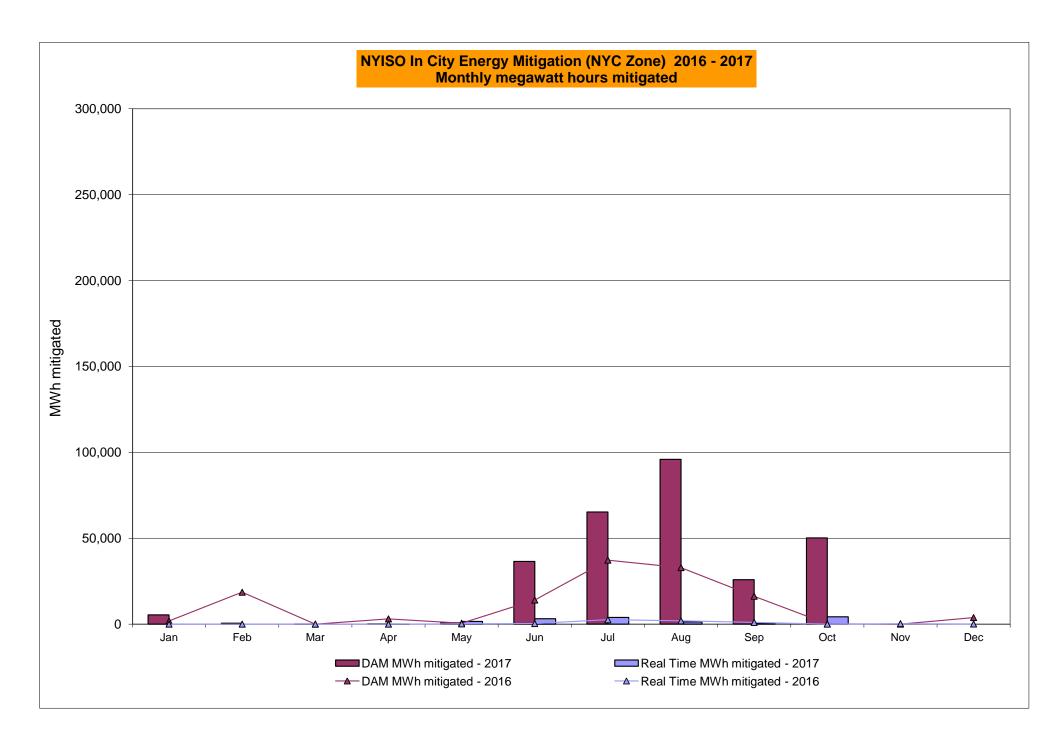


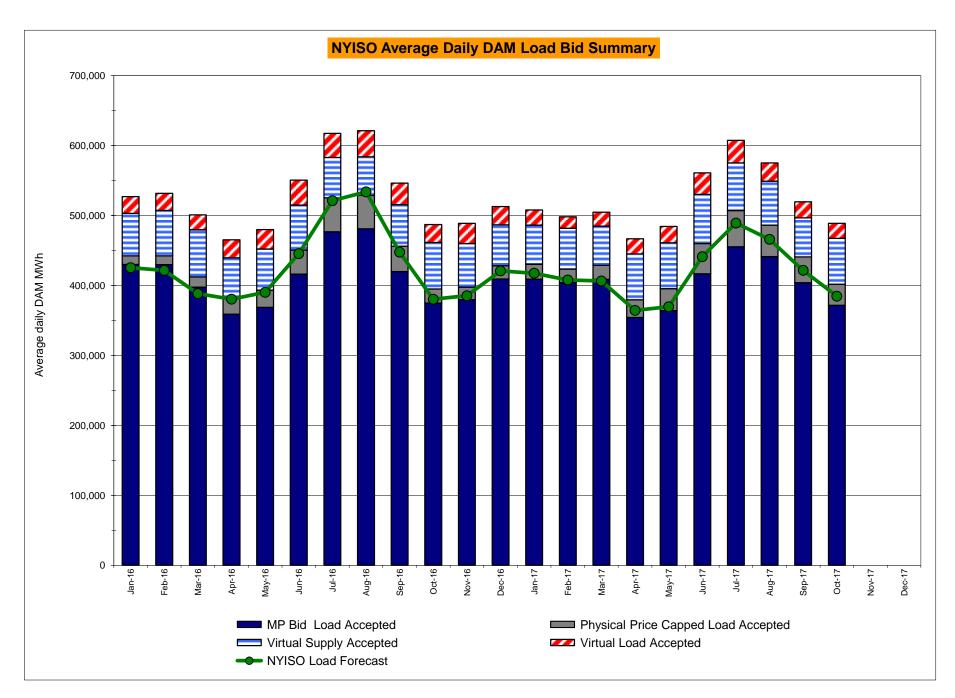


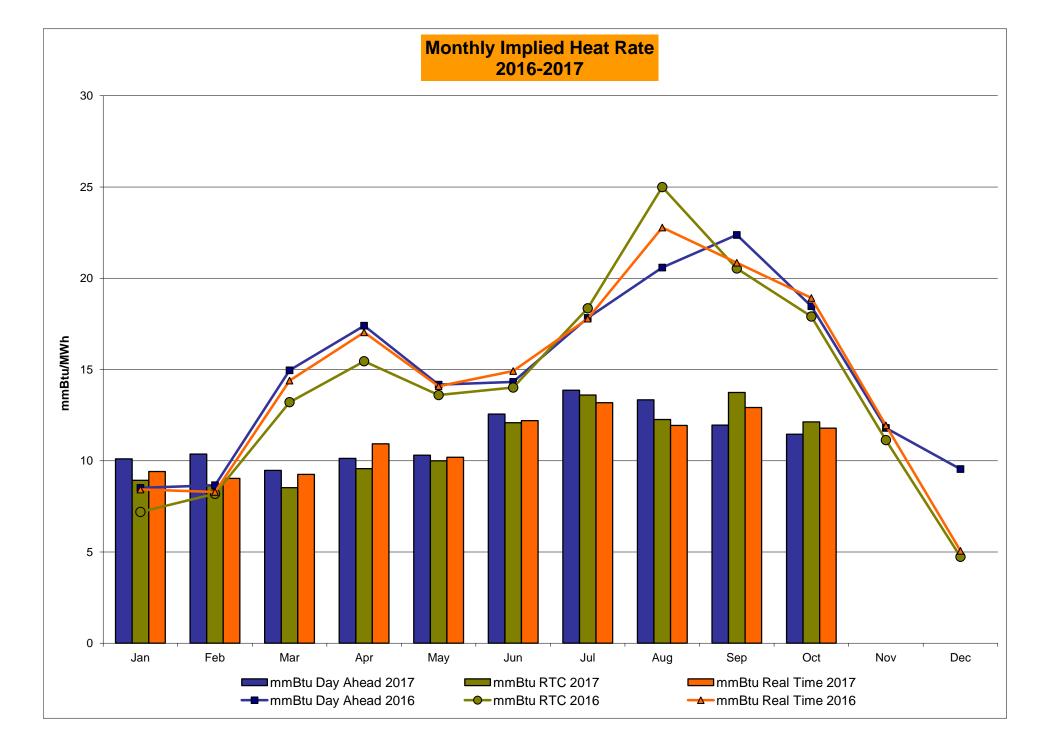
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

	NYISO W	iarkets A	nciliary S	ervices	Statistic	<u>s - Unwe</u>	<u>igntea F</u>	<u> </u>				
<u>2017</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
Day Ahead Market	<u>oanaary</u>	<u>r obradry</u>	17101011	<u> </u>	<u>may</u>	<u> </u>	<u> </u>	<u>/tagaot</u>	<u>coptombor</u>	<u> </u>	11010111001	<u> </u>
10 Min Spin SENY (GHIJK)	5.01	4.68	5.53	4.68	4.82	4.79	4.44	4.18	4.72	5.73		
10 Min Spin East (F)	5.01	4.68	5.53	4.68	4.82	4.79	4.44	4.18	4.72	5.73		
10 Min Spin West (ABCDE)	4.94	4.56	5.31	4.41	4.45	4.39	4.13	3.98	4.19	4.27		
10 Min Non Synch SENY (GHIJK)	4.94	4.57	5.20	4.41	3.95	3.92	3.85	3.26	3.43	3.54		
10 Min Non Synch East (F)	4.94	4.57	5.20	4.41	3.95	3.92	3.85	3.26	3.43	3.54		
10 Min Non Synch West (ABCDE)	4.92	4.56	5.17	4.31	3.82	3.73	3.59	3.13	3.39	3.40		
30 Min SENY (GHIJK)	4.92	4.56	5.17	4.31	3.82	3.73	3.59	3.13	3.39	3.40		
30 Min East (F)	4.92	4.56	5.17	4.31	3.82	3.73	3.59	3.13	3.39	3.40		
30 Min West (ABCDE)	4.92	4.56	5.17	4.31	3.82	3.73	3.59	3.13	3.39	3.40		
Regulation	9.34	7.99	11.01	13.80	12.79	10.55	7.22	6.67	7.60	8.59		
RTC Market												
10 Min Spin SENY (GHIJK)	1.53	0.89	2.08	1.97	1.64	0.75	1.28	0.52	3.63	1.28		
10 Min Spin East (F)	1.53	0.89	2.08	1.97	1.41	0.75	1.28	0.52	2.83	1.28		
10 Min Spin West (ABCDE)	1.06	0.55	1.58	1.16	0.65	0.47	1.13	0.38	1.99	0.42		
10 Min Non Synch SENY (GHIJK)	0.06	0.06	0.10	0.14	1.08	0.13	0.13	0.02	2.18	0.11		
10 Min Non Synch East (F)	0.06	0.06	0.10	0.14	0.85	0.13	0.13	0.02	1.38	0.11		
10 Min Non Synch West (ABCDE)	0.00	0.00	0.10	0.07	0.31	0.05	0.11	0.02	1.09	0.07		
30 Min SENY (GHIJK)	0.00	0.00	0.10	0.03	0.50	0.05	0.11	0.02	1.89	0.05		
30 Min East (F)	0.00	0.00	0.10	0.03	0.27	0.05	0.11	0.02	1.09	0.05		
30 Min West (ABCDE)	0.00	0.00	0.10	0.03	0.27	0.05	0.11	0.02	1.09	0.05		
Regulation	9.21	6.59	11.37	10.18	9.82	9.92	7.51	6.47	8.35	6.44		
NYCA Regulation Movement	0.27	0.24	0.25	0.22	0.24	0.21	0.19	0.20	0.21	0.22		
Real Time Market	2 20	2.61	5	F 60	4 4 4	1 71	2.20	1 21	2.72	2.20		
10 Min Spin SENY (GHIJK)	3.29 3.29	2.61	5.56	5.62	4.14 3.67	1.71	2.29	1.31 1.31	3.72	2.30		
10 Min Spin East (F) 10 Min Spin West (ABCDE)		2.61	5.56	5.62		1.71	2.29		2.51	2.30		
• • • • • • • • • • • • • • • • • • • •	2.71 0.00	1.71 0.31	4.65 0.17	3.56 1.99	1.48 2.75	1.15 0.36	1.98 0.23	1.20 0.01	1.91 2.21	1.40 0.32		
10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F)	0.00		0.17		2.75	0.36	0.23	0.01	1.00	0.32		
10 Min Non Synch West (ABCDE)	0.00	0.31 0.00	0.17	1.99 0.95	2.26 0.44	0.36	0.23	0.01	0.83	0.32		
30 Min SENY (GHIJK)	0.00	0.00	0.13	0.06	0.85	0.10	0.13	0.01	2.05	0.22		
30 Min East (F)	0.00	0.00	0.12	0.06	0.38	0.10	0.13	0.01	0.83	0.09		
30 Min West (ABCDE)	0.00	0.00	0.12	0.06	0.38	0.10	0.13	0.01	0.83	0.09		
Regulation	9.83	7.54	15.44	13.15	10.91	10.48	8.87	7.56	8.44	8.06		
NYCA Regulation Movement	0.27	0.24	0.25	0.20	0.22	0.19	0.19	0.20	0.44	0.22		
NTCA Regulation Movement	0.27	0.24	0.25	0.20	0.22	0.19	0.19	0.20	0.21	0.22		
_											November	December
<u>2016</u>	January	February	March	<u>April</u>	<u>May</u>	<u>June</u>	July	August	September	October	November	<u>December</u>
2016 Day Ahead Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>		
2016 Day Ahead Market 10 Min Spin SENY (GHIJK)		<u>February</u> 5.38		<u>April</u> 6.31	<u>May</u> 4.93				September 5.57		<u>November</u> 4.83 4.83	4.89
2016 Day Ahead Market	<u>January</u> 7.09	February 5.38 5.38	<u>March</u> 5.04	<u>April</u> 6.31 6.31	<u>May</u>	<u>June</u> 4.62 4.62	<u>July</u> 6.41 6.41	<u>August</u> 7.12	<u>September</u> 5.57 5.57	October 5.37	4.83 4.83	4.89 4.89
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F)	<u>January</u> 7.09 7.09	February 5.38 5.38 5.25	<u>March</u> 5.04 5.04	<u>April</u> 6.31 6.31 5.60	<u>May</u> 4.93 4.93 4.77	June 4.62 4.62 4.52	<u>July</u> 6.41 6.41 5.78	August 7.12 7.12	<u>September</u> 5.57 5.57 5.14	October 5.37 5.37	4.83	4.89 4.89 4.73
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	<u>January</u> 7.09 7.09 6.28	February 5.38 5.38	<u>March</u> 5.04 5.04 4.84	<u>April</u> 6.31 6.31	<u>May</u> 4.93 4.93	<u>June</u> 4.62 4.62	<u>July</u> 6.41 6.41	August 7.12 7.12 6.20	<u>September</u> 5.57 5.57	October 5.37 5.37 4.89	4.83 4.83 4.50	4.89 4.89
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK)	January 7.09 7.09 6.28 6.47	5.38 5.38 5.25 5.25	5.04 5.04 4.84 4.88	April 6.31 6.31 5.60 5.80	May 4.93 4.93 4.77 4.83	June 4.62 4.62 4.52 4.36	July 6.41 6.41 5.78 6.34	7.12 7.12 6.20 7.07	<u>September</u> 5.57 5.57 5.14 5.52	October 5.37 5.37 4.89 5.09	4.83 4.83 4.50 4.43	4.89 4.89 4.73 4.49
2016 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)	January 7.09 7.09 6.28 6.47 6.47	5.38 5.38 5.25 5.25 5.25	5.04 5.04 4.84 4.88 4.88	April 6.31 6.31 5.60 5.80 5.80	May 4.93 4.93 4.77 4.83 4.83	June 4.62 4.62 4.52 4.36 4.36	July 6.41 6.41 5.78 6.34 6.34	7.12 7.12 7.12 6.20 7.07 7.07	5.57 5.57 5.14 5.52 5.52	October 5.37 5.37 4.89 5.09 5.09	4.83 4.83 4.50 4.43 4.43	4.89 4.89 4.73 4.49 4.49
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	7.09 7.09 6.28 6.47 6.47 6.23	5.38 5.38 5.25 5.25 5.25 5.25 5.25	5.04 5.04 4.84 4.88 4.88 4.88	April 6.31 6.31 5.60 5.80 5.80 5.58	May 4.93 4.93 4.77 4.83 4.83 4.68	June 4.62 4.62 4.52 4.36 4.36 4.32	July 6.41 6.41 5.78 6.34 6.34 5.72	7.12 7.12 7.12 6.20 7.07 7.07 6.15	5.57 5.57 5.14 5.52 5.52 5.10	5.37 5.37 4.89 5.09 5.09 4.82	4.83 4.83 4.50 4.43 4.43	4.89 4.89 4.73 4.49 4.49 4.43
2016 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)	January 7.09 7.09 6.28 6.47 6.47 6.23 6.23	5.38 5.38 5.25 5.25 5.25 5.25 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84	April 6.31 6.31 5.60 5.80 5.58 5.58	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70	7.12 7.12 6.20 7.07 7.07 6.15 6.15	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10	5.37 5.37 4.89 5.09 5.09 4.82 4.82	4.83 4.83 4.50 4.43 4.43 4.39	4.89 4.89 4.73 4.49 4.49 4.43 4.43
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F)	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82	4.83 4.83 4.50 4.43 4.43 4.39 4.39	4.89 4.89 4.73 4.49 4.49 4.43 4.43
2016 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	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 6.15	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39	4.89 4.89 4.73 4.49 4.49 4.43 4.43 4.43
2016 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 SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE)	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 8.19	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 8.19	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 6.15	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77	4.89 4.89 4.73 4.49 4.49 4.43 4.43 4.43 4.43 13.80
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 8.19	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39	4.89 4.89 4.73 4.49 4.49 4.43 4.43 4.43 13.80
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK)	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 8.19	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26	5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77	4.89 4.89 4.73 4.49 4.49 4.43 4.43 4.43 13.80
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F)	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 8.19	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00 0.49 0.46	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 0.99	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77	4.89 4.89 4.73 4.49 4.49 4.43 4.43 4.43 13.80
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 1.53 1.53 0.42	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 8.19	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 5.05	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95	May 4.93 4.93 4.77 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00 0.49 0.46 0.24	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 2.79 2.77 1.72	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 6.15 7.26 6.88 4.80	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 4.82 0.99 0.99	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE)	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45	5.38 5.38 5.25 5.25 5.25 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 8.05 0.71 0.71 0.08 0.17	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14	May 4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05	July 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	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 9.57	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK)	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 8.19 0.59 0.59 0.26 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02	July 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	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.29 0.09	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F)	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 8.19 0.59 0.59 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 8.05 0.71 0.71 0.08 0.17 0.17 0.17	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02	July 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	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 9.57 0.99 0.99 0.29 0.09 0.09	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00	4.89 4.89 4.73 4.49 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 6.23 0.42 0.45 0.45 0.04 0.01	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 8.19 0.59 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 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00	April 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 0.04	July 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	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21 0.16 0.15	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 9.57 0.99 0.99 0.29 0.09 0.09 0.08	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK)	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00	April 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14	May 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	June 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 0.04 0.02	July 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	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21 0.16 0.15	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK)	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00	April 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04	June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 0.04 0.02 0.02 0.02 0.02 0.02	July 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	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21 0.16 0.15 0.15	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.99 0.09 0.09 0.08 0.08 0.0	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) Regulation NYCA Regulation Movement	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 8.04	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43	June 4.62 4.62 4.52 4.36 4.36 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	July 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	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21 0.15 0.15 0.15	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08 6.86	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 7.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 30 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK)	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 8.04	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43	June 4.62 4.62 4.52 4.36 4.36 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	July 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	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21 0.15 0.15 0.15	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08 6.86	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) Regulation NYCA Regulation Movement Real Time Market	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 8.04 0.23	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25	June 4.62 4.62 4.52 4.36 4.36 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	July 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	7.12 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.30 0.21 0.21 0.16 0.15 0.15 5.52 0.24	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08 0.08 6.86 0.26	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 7.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min SENY (GHIJK) 30 Min East (F) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 8.04 0.23 7.51	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25	June 4.62 4.62 4.52 4.36 4.36 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 1.43	July 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	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21 0.15 0.15 0.15 5.52 0.24	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08 0.08 6.86 0.26	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 7.00 0.24	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin 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 SENY (GHIJK) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.45 0.04 0.01 0.01 0.01 0.01 8.04 0.23 7.51 7.51	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25	June 4.62 4.62 4.52 4.36 4.36 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 6.09 0.23	July 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	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24 8.04 7.68	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21 0.16 0.15 0.15 5.52 0.24	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08 0.08 0.0	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 7.00 0.24	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.45 0.04 0.01 0.01 0.01 0.01 8.04 0.23 7.51 7.51 4.17	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 0.48	April 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25	June 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 0.04 0.02 0.02 1.43 1.40 1.00	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24 8.04 7.68 4.72	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.15 0.15 0.15 0.15 5.52 0.24	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.09 0.09 0.08 0.08 0.08 0.0	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin 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 East (F) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)	7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 0.01 0.01 8.04 0.23 7.51 7.51 4.17 4.26	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 0.48 0.22	April 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25 1.19 1.19 0.79 0.06	June 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	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24 8.04 7.68 4.72 6.70	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21 0.15 0.15 0.15 5.52 0.24	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.09 0.09 0.08 0.08 0.08 0.0	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 0.01 8.04 0.23 7.51 7.51 4.17 4.26 4.26	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 0.48 0.22 0.22	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25 1.19 1.19 0.79 0.06 0.06	June 4.62 4.62 4.52 4.36 4.36 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	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24 8.04 7.68 4.72 6.70 6.34	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21 0.16 0.15 0.15 0.15 5.52 0.24	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08 0.08 0.0	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 30 Min East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.45 0.04 0.01 0.01 0.01 0.01 8.04 0.23 7.51 7.51 4.17 4.26 4.26 1.89	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 0.48 0.22 0.22 0.00	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25 1.19 1.19 0.79 0.06 0.06 0.03	June 4.62 4.62 4.52 4.36 4.36 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	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 1.65	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24 8.04 7.68 4.72 6.70 6.34 3.56	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21 0.15 0.15 0.15 5.52 0.24 1.59 1.59 0.90 0.59 0.21	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08 0.08 0.0	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.45 0.04 0.01 0.01 0.01 0.01 0.01 0.01 4.04 0.23 7.51 7.51 4.17 4.26 4.26 1.89 0.06	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 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 0.48 0.22 0.22 0.00 0.00 0.00	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25 1.19 1.19 0.79 0.06 0.06 0.03 0.03	June 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 6.09 0.23 1.43 1.40 1.00 0.15 0.11 0.04 0.07	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 1.65 0.98	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24 8.04 7.68 4.72 6.70 6.34 3.56 3.48	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.15 0.15 0.15 0.15 5.52 0.24 1.59 1.59 0.90 0.59 0.21 0.21	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.09 0.09 0.09 0.08 0.08 0.08	4.83 4.83 4.50 4.43 4.43 4.43 4.39 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin East (F) 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Spin West (ABCDE) 30 Min Seny (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 0.01 8.04 0.23 7.51 7.51 4.17 4.26 4.26 1.89 0.06 0.06 0.06 10.66	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 0.48 0.22 0.22 0.00 0.00 0.00 0.00 0.00 0.0	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25 1.19 1.19 0.79 0.06 0.06 0.03 0.03 0.03 0.03 0.03 6.06	June 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	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 1.65 0.98 0.97 0.97 8.37	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24 8.04 7.68 4.72 6.70 6.34 3.56 3.48 3.12 3.12 10.31	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21 0.15 0.15 0.15 5.52 0.24 1.59 1.59 0.90 0.59 0.59 0.59 0.21 0.21 0.21 0.21 0.21 0.21 0.21 0.21	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.09 0.09 0.08 0.08 0.08 0.0	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00
2016 Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation NYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min SENY (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 0.01 8.04 0.23 7.51 7.51 4.17 4.26 4.26 1.89 0.06 0.06 0.06	5.38 5.38 5.25 5.25 5.25 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	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 0.48 0.22 0.22 0.00 0.00 0.00 0.00 0.00 0.0	April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14	May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25 1.19 1.19 0.79 0.06 0.06 0.03 0.03 0.03 0.03	June 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	July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 1.65 0.98 0.97 0.97	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24 8.04 7.68 4.72 6.70 6.34 3.56 3.48 3.12 3.12	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 5.10 7.00 0.61 0.61 0.30 0.21 0.21 0.15 0.15 0.15 5.52 0.24 1.59 1.59 0.90 0.59 0.59 0.21 0.21 0.21 0.21 0.21 0.21	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.99 0.09 0.09 0.08 0.08 0.08 0.0	4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 4.39 7.77 1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 4.43 13.80 1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00

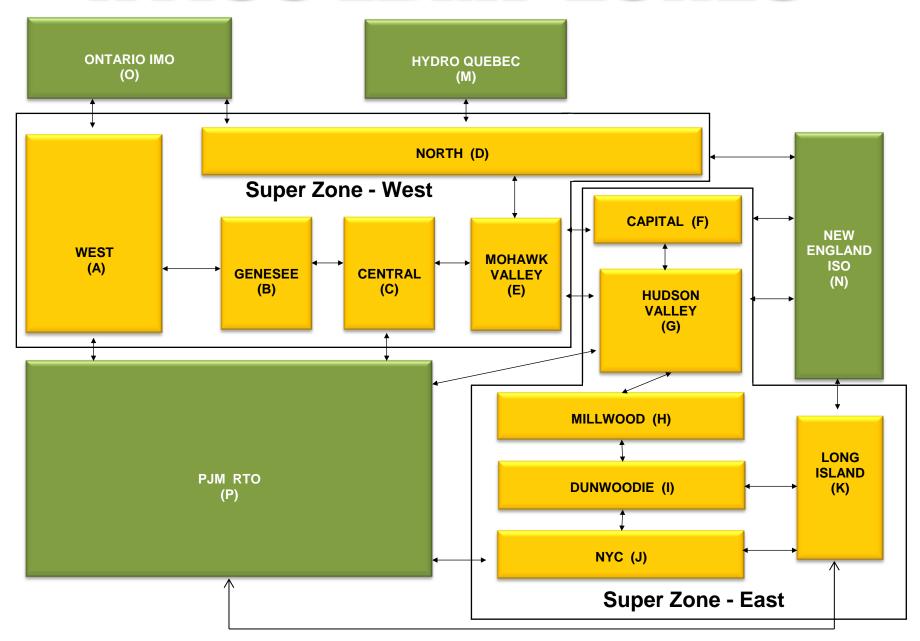








NYISO LBMP ZONES



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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

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The Mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefits to consumers by:

- Maintaining and enhancing regional reliability
- Operating open, fair and competitive wholesale electricity markets
- Planning the power system for the future
- Providing factual information to policy makers, stakeholders and investors in the power system



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