

# NYISO CEO/COO Report

Bradley Jones
President & Chief Executive Officer
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New York Independent System Operator

**Management Committee Meeting** 

February 22, 2017 Rensselaer, NY

## **NYISO CEO/COO Report**

## **CEO Report**

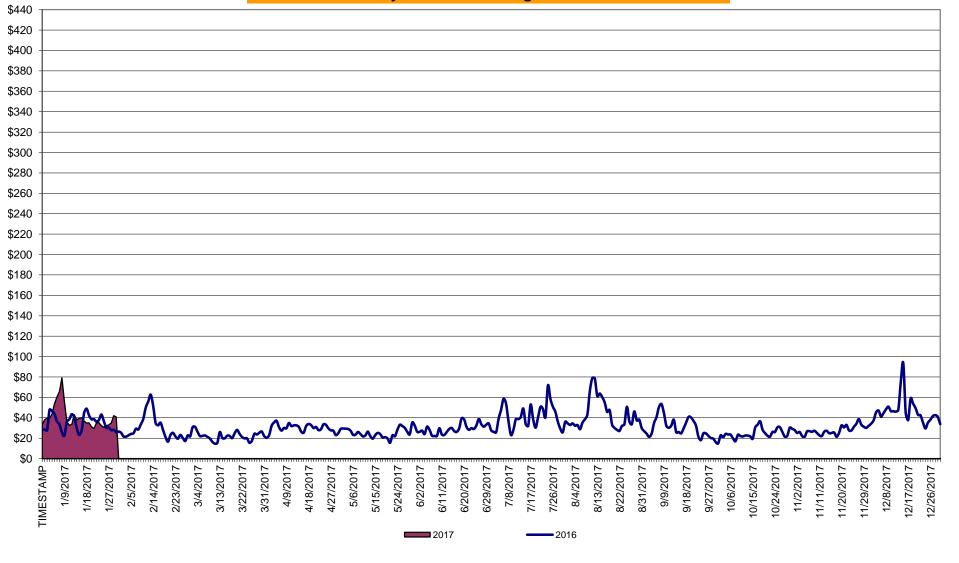
## **COO Report**

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

# Market Performance Highlights for January 2017

- LBMP for January is \$40.07/MWh; lower than \$43.90/MWh in December 2016 and higher than \$34.29/MWh in January 2016.
  - Day Ahead and Real Time Load Weighted LBMPs are lower compared to December.
- January 2017 average year-to-date monthly cost of \$41.96/MWh is a 15% increase from \$36.42/MWh in January 2016.
- Average daily sendout is 431 GWh/day in January; lower than 433 GWh/day in December 2016 and 439 GWh/day in January 2016.
- Natural gas prices were higher and distillate prices were mixed compared to the previous month.
  - Natural Gas (Transco Z6 NY) was \$3.82/MMBtu, down from \$4.39/MMBtu in December.
  - Natural gas prices are up 1.4% year-over-year
  - Jet Kerosene Gulf Coast was \$11.24/MMBtu, up from \$11.07/MMBtu in December.
  - Ultra Low Sulfur No.2 Diesel NY Harbor was \$11.61/MMBtu, down from \$11.74/MMBtu in December .
  - Distillate prices are up 63.2% year-over-year
- Uplift per MWh is lower compared to the previous month.
  - Uplift (not including NYISO cost of operations) is (\$0.73)/MWh; lower than (\$0.33)/MWh in December.
    - Local Reliability Share is \$0.10/MWh, same as the \$0.10/MWh in December.
    - Statewide Share is (\$0.83)/MWh, lower than (\$0.43)/MWh in December.
  - TSA \$ per NYC MWh is \$0.00/MWh.
  - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than December.

# Daily NYISO Average Cost/MWh (Energy & Ancillary Services)\* 2016 Annual Average \$34.28/MWh January 2016 YTD Average \$36.42/MWh January 2017 YTD Average \$41.96/MWh

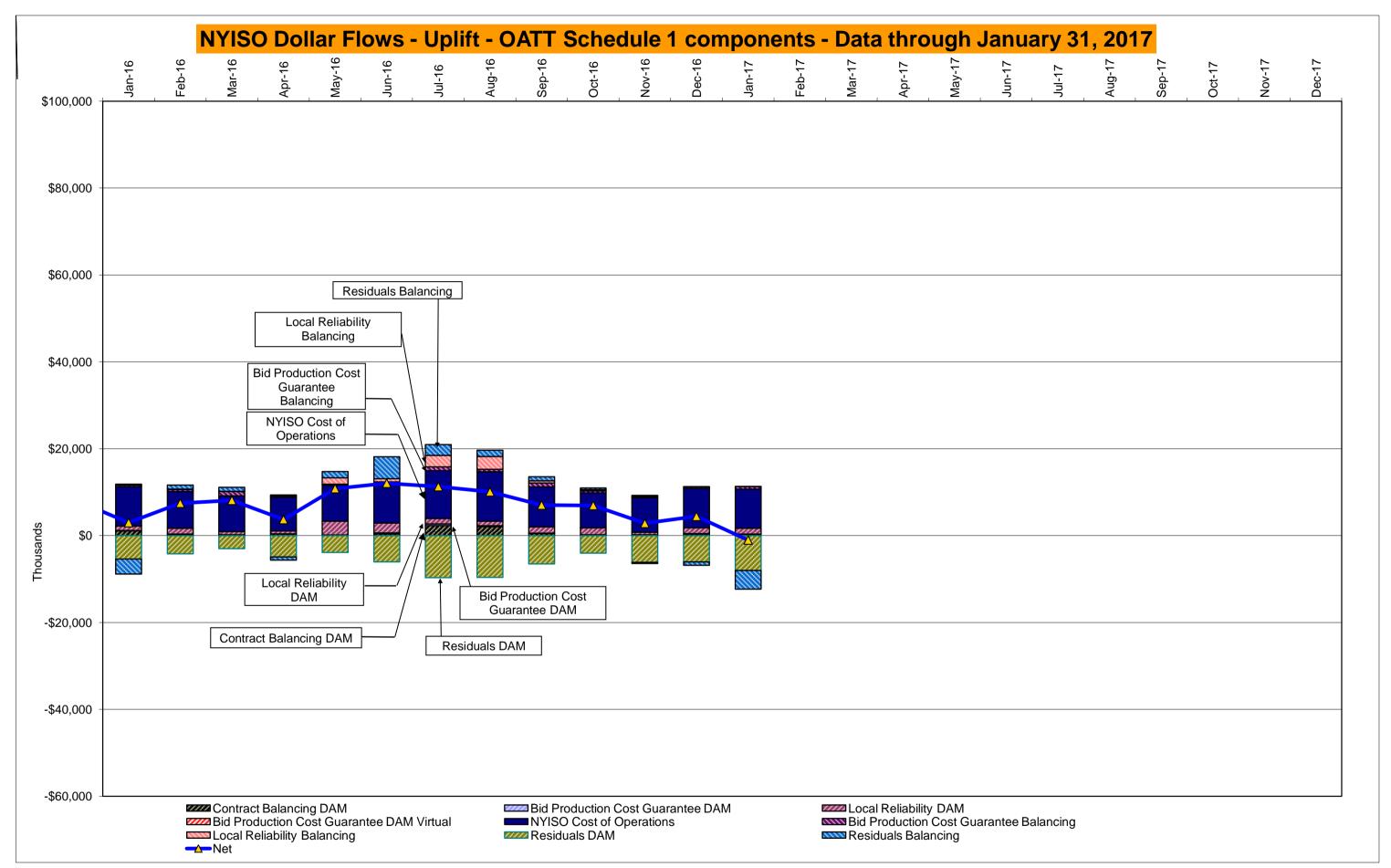


<sup>\*</sup> Excludes ICAP payments.

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

2017	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	40.07		·			· <del></del>	<del></del> -					
NTAC	0.66											
Reserve	0.70											
Regulation	0.14											
NYISO Cost of Operations	0.65											
FERC Fee Recovery	0.09											
Uplift	(0.73)											
Uplift: Local Reliability Share	0.10											
Uplift: Statewide Share	(0.83)											
Voltage Support and Black Start	0.37											
Avg Monthly Cost	41.96											
Avg YTD Cost	41.96											
TSA \$ per NYC MWh	0.00											
0040												
2016	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	July	August	September	October	November	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
LBMP NTAC	34.29 0.59	28.71 0.78	20.66 0.62	27.96 1.14	23.31 1.10	27.35 0.93	40.01 0.78	42.99 0.54	30.89 0.55	22.33 0.86	26.31 0.79	43.90 0.97
LBMP NTAC Reserve	34.29 0.59 0.77	28.71 0.78 0.73	20.66 0.62 0.73	27.96 1.14 0.87	23.31 1.10 0.71	27.35 0.93 0.59	40.01 0.78 0.67	42.99 0.54 0.68	30.89 0.55 0.69	22.33 0.86 0.77	26.31 0.79 0.68	43.90 0.97 0.63
LBMP NTAC Reserve Regulation	34.29 0.59 0.77 0.12	28.71 0.78 0.73 0.12	20.66 0.62 0.73 0.12	27.96 1.14 0.87 0.12	23.31 1.10 0.71 0.11	27.35 0.93 0.59 0.12	40.01 0.78 0.67 0.10	42.99 0.54 0.68 0.10	30.89 0.55 0.69 0.10	22.33 0.86 0.77 0.15	26.31 0.79 0.68 0.13	43.90 0.97 0.63 0.17
LBMP NTAC Reserve Regulation NYISO Cost of Operations	34.29 0.59 0.77 0.12 0.64	28.71 0.78 0.73 0.12 0.65	20.66 0.62 0.73 0.12 0.65	27.96 1.14 0.87 0.12 0.64	23.31 1.10 0.71 0.11 0.65	27.35 0.93 0.59 0.12 0.66	40.01 0.78 0.67 0.10 0.65	42.99 0.54 0.68 0.10 0.65	30.89 0.55 0.69 0.10 0.64	22.33 0.86 0.77 0.15 0.64	26.31 0.79 0.68 0.13 0.64	43.90 0.97 0.63 0.17 0.64
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery	34.29 0.59 0.77 0.12 0.64 0.09	28.71 0.78 0.73 0.12 0.65 0.10	20.66 0.62 0.73 0.12 0.65 0.11	27.96 1.14 0.87 0.12 0.64 0.10	23.31 1.10 0.71 0.11 0.65 0.09	27.35 0.93 0.59 0.12 0.66 0.09	40.01 0.78 0.67 0.10 0.65 0.07	42.99 0.54 0.68 0.10 0.65 0.06	30.89 0.55 0.69 0.10 0.64 0.08	22.33 0.86 0.77 0.15 0.64 0.10	26.31 0.79 0.68 0.13 0.64 0.10	43.90 0.97 0.63 0.17 0.64 0.08
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift	34.29 0.59 0.77 0.12 0.64 0.09 (0.43)	28.71 0.78 0.73 0.12 0.65 0.10 (0.07)	20.66 0.62 0.73 0.12 0.65 0.11 (0.03)	27.96 1.14 0.87 0.12 0.64 0.10 (0.34)	23.31 1.10 0.71 0.11 0.65 0.09 0.19	27.35 0.93 0.59 0.12 0.66 0.09 0.20	40.01 0.78 0.67 0.10 0.65 0.07 (0.26)	42.99 0.54 0.68 0.10 0.65 0.06 (0.63)	30.89 0.55 0.69 0.10 0.64 0.08 (0.15)	22.33 0.86 0.77 0.15 0.64 0.10 (0.09)	26.31 0.79 0.68 0.13 0.64 0.10 (0.42)	43.90 0.97 0.63 0.17 0.64 0.08 (0.33)
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share	34.29 0.59 0.77 0.12 0.64 0.09 (0.43) 0.09	28.71 0.78 0.73 0.12 0.65 0.10 (0.07) 0.11	20.66 0.62 0.73 0.12 0.65 0.11 (0.03) 0.06	27.96 1.14 0.87 0.12 0.64 0.10 (0.34) 0.07	23.31 1.10 0.71 0.11 0.65 0.09 0.19 0.35	27.35 0.93 0.59 0.12 0.66 0.09 0.20 0.21	40.01 0.78 0.67 0.10 0.65 0.07 (0.26) 0.23	42.99 0.54 0.68 0.10 0.65 0.06 (0.63) 0.22	30.89 0.55 0.69 0.10 0.64 0.08 (0.15) 0.14	22.33 0.86 0.77 0.15 0.64 0.10 (0.09) 0.15	26.31 0.79 0.68 0.13 0.64 0.10 (0.42) 0.07	43.90 0.97 0.63 0.17 0.64 0.08 (0.33) 0.10
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share	34.29 0.59 0.77 0.12 0.64 0.09 (0.43) 0.09 (0.52)	28.71 0.78 0.73 0.12 0.65 0.10 (0.07) 0.11 (0.18)	20.66 0.62 0.73 0.12 0.65 0.11 (0.03) 0.06 (0.09)	27.96 1.14 0.87 0.12 0.64 0.10 (0.34) 0.07 (0.41)	23.31 1.10 0.71 0.11 0.65 0.09 0.19 0.35 (0.16)	27.35 0.93 0.59 0.12 0.66 0.09 0.20 0.21 (0.01)	40.01 0.78 0.67 0.10 0.65 0.07 (0.26) 0.23 (0.49)	42.99 0.54 0.68 0.10 0.65 0.06 (0.63) 0.22 (0.86)	30.89 0.55 0.69 0.10 0.64 0.08 (0.15) 0.14 (0.29)	22.33 0.86 0.77 0.15 0.64 0.10 (0.09) 0.15 (0.24)	26.31 0.79 0.68 0.13 0.64 0.10 (0.42) 0.07 (0.49)	43.90 0.97 0.63 0.17 0.64 0.08 (0.33) 0.10 (0.43)
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share Voltage Support and Black Start	34.29 0.59 0.77 0.12 0.64 0.09 (0.43) 0.09 (0.52) 0.35	28.71 0.78 0.73 0.12 0.65 0.10 (0.07) 0.11 (0.18) 0.36	20.66 0.62 0.73 0.12 0.65 0.11 (0.03) 0.06 (0.09)	27.96 1.14 0.87 0.12 0.64 0.10 (0.34) 0.07 (0.41) 0.35	23.31 1.10 0.71 0.11 0.65 0.09 0.19 0.35 (0.16) 0.36	27.35 0.93 0.59 0.12 0.66 0.09 0.20 0.21 (0.01) 0.36	40.01 0.78 0.67 0.10 0.65 0.07 (0.26) 0.23 (0.49) 0.36	42.99 0.54 0.68 0.10 0.65 0.06 (0.63) 0.22 (0.86) 0.36	30.89 0.55 0.69 0.10 0.64 0.08 (0.15) 0.14 (0.29)	22.33 0.86 0.77 0.15 0.64 0.10 (0.09) 0.15 (0.24) 0.36	26.31 0.79 0.68 0.13 0.64 0.10 (0.42) 0.07 (0.49) 0.36	43.90 0.97 0.63 0.17 0.64 0.08 (0.33) 0.10 (0.43) 0.35
LBMP NTAC Reserve Regulation NYISO Cost of Operations FERC Fee Recovery Uplift Uplift: Local Reliability Share Uplift: Statewide Share	34.29 0.59 0.77 0.12 0.64 0.09 (0.43) 0.09 (0.52)	28.71 0.78 0.73 0.12 0.65 0.10 (0.07) 0.11 (0.18)	20.66 0.62 0.73 0.12 0.65 0.11 (0.03) 0.06 (0.09)	27.96 1.14 0.87 0.12 0.64 0.10 (0.34) 0.07 (0.41)	23.31 1.10 0.71 0.11 0.65 0.09 0.19 0.35 (0.16)	27.35 0.93 0.59 0.12 0.66 0.09 0.20 0.21 (0.01)	40.01 0.78 0.67 0.10 0.65 0.07 (0.26) 0.23 (0.49)	42.99 0.54 0.68 0.10 0.65 0.06 (0.63) 0.22 (0.86)	30.89 0.55 0.69 0.10 0.64 0.08 (0.15) 0.14 (0.29)	22.33 0.86 0.77 0.15 0.64 0.10 (0.09) 0.15 (0.24)	26.31 0.79 0.68 0.13 0.64 0.10 (0.42) 0.07 (0.49)	43.90 0.97 0.63 0.17 0.64 0.08 (0.33) 0.10 (0.43)
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<sup>\*</sup> Excludes ICAP payments. Market Mitigation and Analysis Prepared: 2/7/2017 5:40 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**

April

<u>June</u>

July

March

February

<u>January</u>

14,135,019

Day Arieau Market MVVII	14,133,019											
DAM LSE Internal LBMP Energy Sales	57%											
DAM External TC LBMP Energy Sales	2%											
DAM Bilateral - Internal Bilaterals	32%											
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%											
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%											
DAM Bilateral - Wheel Through Bilaterals	2%											
Balancing Energy Market MWh	-256,448											
Balancing Energy LSE Internal LBMP Energy Sales	-157%											
Balancing Energy External TC LBMP Energy Sales	64%											
Balancing Energy Bilateral - Internal Bilaterals	15%											
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%											
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	10%											
Balancing Energy Bilateral - Wheel Through Bilaterals	-32%											
Transactions Summary												
LBMP	58%											
Internal Bilaterals	33%											
Import Bilaterals	5%											
Export Bilaterals	2%											
Wheels Through	2%											
Market Share of Total Load												
Day Ahead Market	101.8%											
Balancing Energy +	-1.8%											
Total MWH	13,878,571											
Average Daily Energy Sendout/Month GWh	431											
2016	January	February	March	<u>April</u>	May	<u>June</u>	July	August	September	October	November	December
Day Ahead Market MWh	14,760,915	-	13,413,781		12,959,886	14,095,904	-	17,413,898			12,770,775	
DAM LSE Internal LBMP Energy Sales	54%	55%	55%	57%	58%	60%	64%	63%	60%	56%	56%	58%
DAM External TC LBMP Energy Sales		2%	55% 1%	57% 5%	2%	1%	1%	3%	3%	2%	2%	
DAM Bilateral - Internal Bilaterals	4% 34%	34%	35%	28%	31%	30%	28%	27%	30%	33%	32%	3% 31%
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	5%	6%	5%	5%	4%	4%	5%	5%	5%	5%
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	1%	2%	2%	2%	2%	1%	1%	1%	2%	2%	2%
DAM Bilateral - Wheel Through Bilaterals	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	3%	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 LSE Internal LBMP Energy Sales	-125%	-114%	-118%	-76%	-147%	-203%	-347%	42%	-139%	-111%	-102%	-269%
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 - Importi/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%
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												
LBMP	56%	56%	54%	62%	59%	61%	65%	66%	62%	57%	57%	60%
Internal Bilaterals	36%	36%	37%	29%	32%	31%	28%	27%	30%	35%	34%	32%
Import Bilaterals	5%	5%	6%	6%	5%	5%	4%	4%	5%	5%	6%	5%
Export Bilaterals	2%	2%	2%	2%	2%	2%	1%	1%	1%	2%	2%	2%
Wheels Through	1%	1%	1%	1%	2%	2%	1%	1%	2%	1%	2%	2%
Market Share of Total Load		1015		100 5	404 (5)	404.5	400 5		1015-	400.5	100.5	
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%

Average Daily Energy Sendout/Month GWh

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

-3.7%

439

-4.5%

436

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

Virtual Transactions are not reflected in this chart.

-3.8%

391

August September

October November December

Balancing Energy +

Total MWH

2017

**Day Ahead Market MWh** 

-2.5%

385

-1.4%

397

-1.0%

456

-0.5%

532

1.3%

548

-1.8%

-5.9%

397

-3.2%

398

-0.9%

433

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

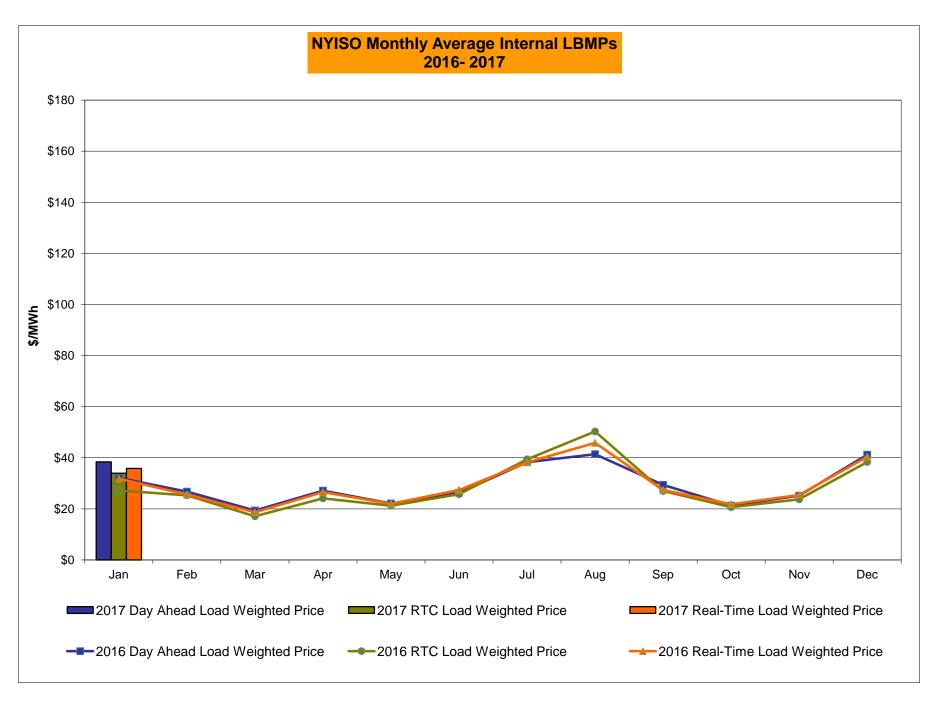
#### NYISO Markets 2017 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August September	October November December
DAY AHEAD LBMP	_				•				
Price *	\$37.22								
Standard Deviation	\$13.20								
Load Weighted Price **	\$38.42								
RTC LBMP									
Price *	\$32.87								
Standard Deviation	\$14.57								
Load Weighted Price **	\$33.96								
REAL TIME LBMP									
Price *	\$34.61								
Standard Deviation	\$18.20								
Load Weighted Price **	\$35.80								
Average Daily Energy Sendout/Month GWh	431								

#### NYISO Markets 2016 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August S	<u>September</u>	October	November I	<u>December</u>
DAY AHEAD LBMP	001.01	405.50	<b>#</b> 40.00	400.00	004.07	40400	40=04	<b>*</b>	<b>***</b>	<b>*</b>	<b>***</b>	
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
Load Weighted Price **	\$27.16	\$25.29	\$17.11	\$24.10	\$21.23	\$25.73	\$39.42	\$50.28	\$26.97	\$20.64	\$23.73	\$38.35
REAL TIME LBMP												
Price *	\$30.15	\$24.28	\$17.84	\$25.71	\$20.67	\$25.87	\$34.40	\$40.87	\$24.90	\$20.91	\$24.72	\$39.00
Standard Deviation	\$60.09	\$18.19	\$15.06	\$16.59	\$12.84	\$19.27	\$38.56	\$52.85	\$20.70	\$12.15	\$12.71	\$20.92
Load Weighted Price **	\$31.80	\$25.61	\$18.64	\$26.57	\$21.99	\$27.39	\$38.20	\$45.82	\$27.38	\$21.81	\$25.45	\$40.42
Average Daily Energy Sendout/Month GWh	439	436	397	385	397	456	532	548	458	391	398	433

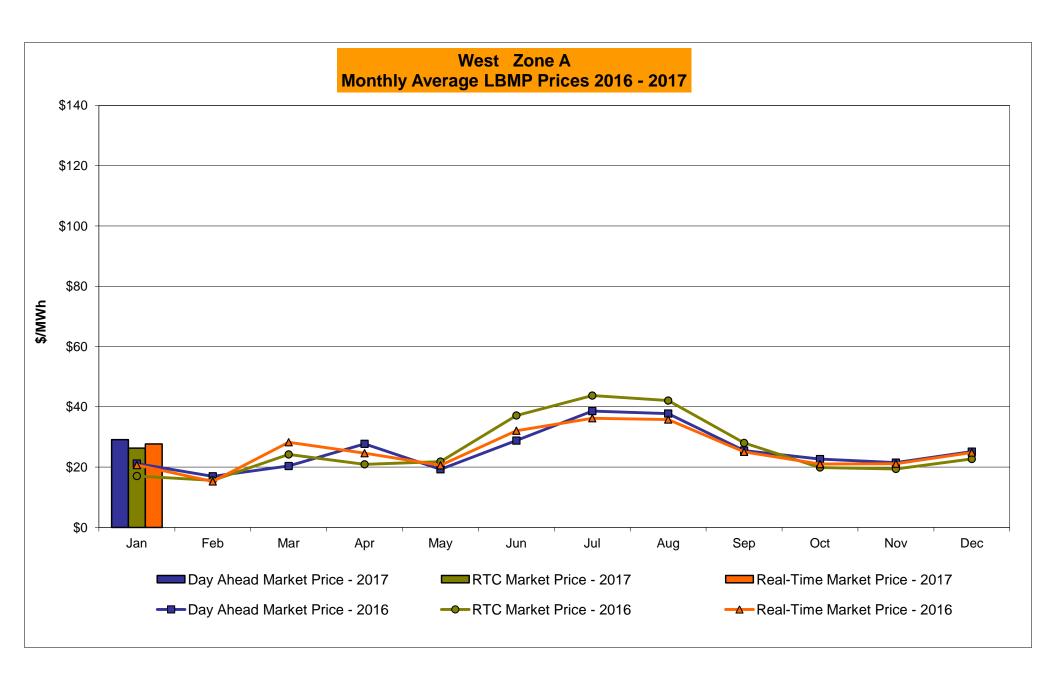
<sup>\*</sup> Average zonal load weighted prices.
\*\* Average zonal load weighted prices, load weighted in each hour.

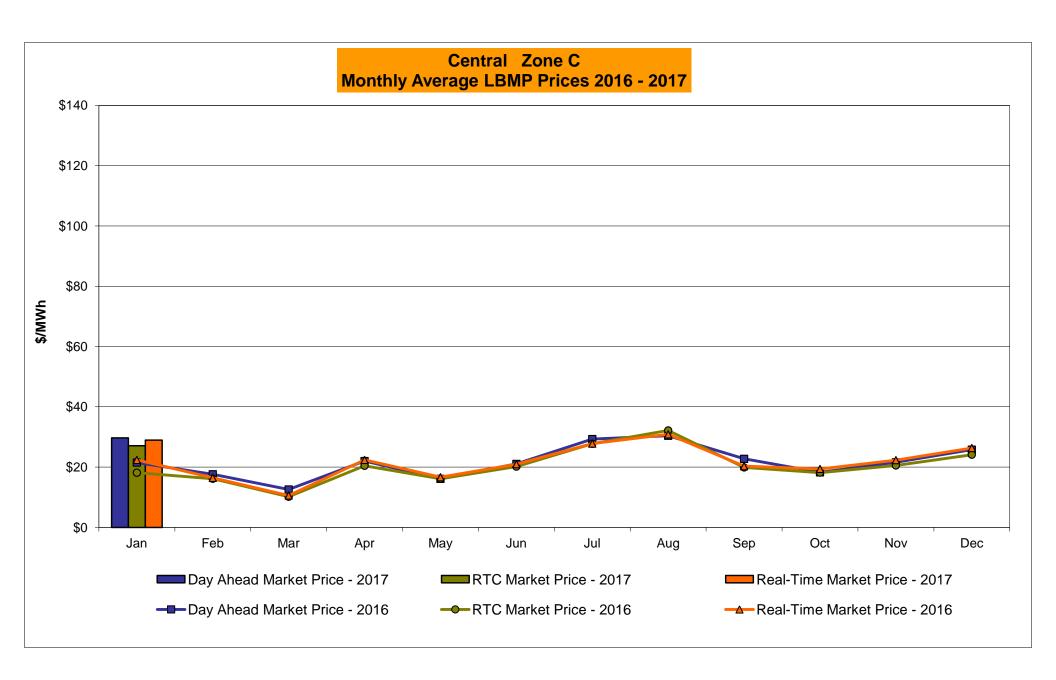


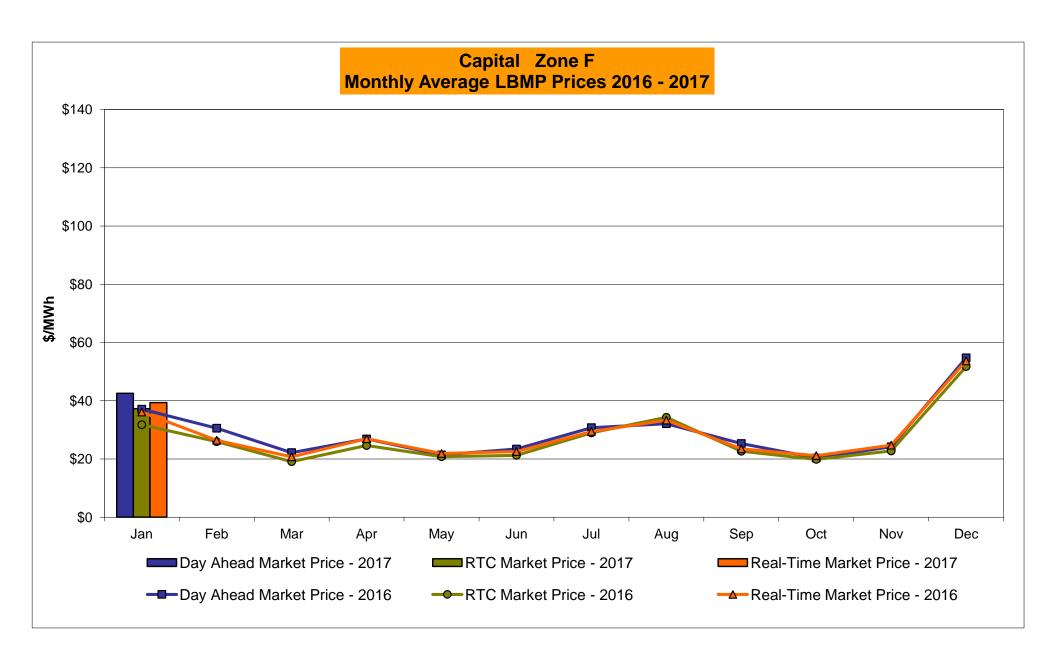
#### January 2017 Zonal LBMP Statistics for NYISO (\$/MWh)

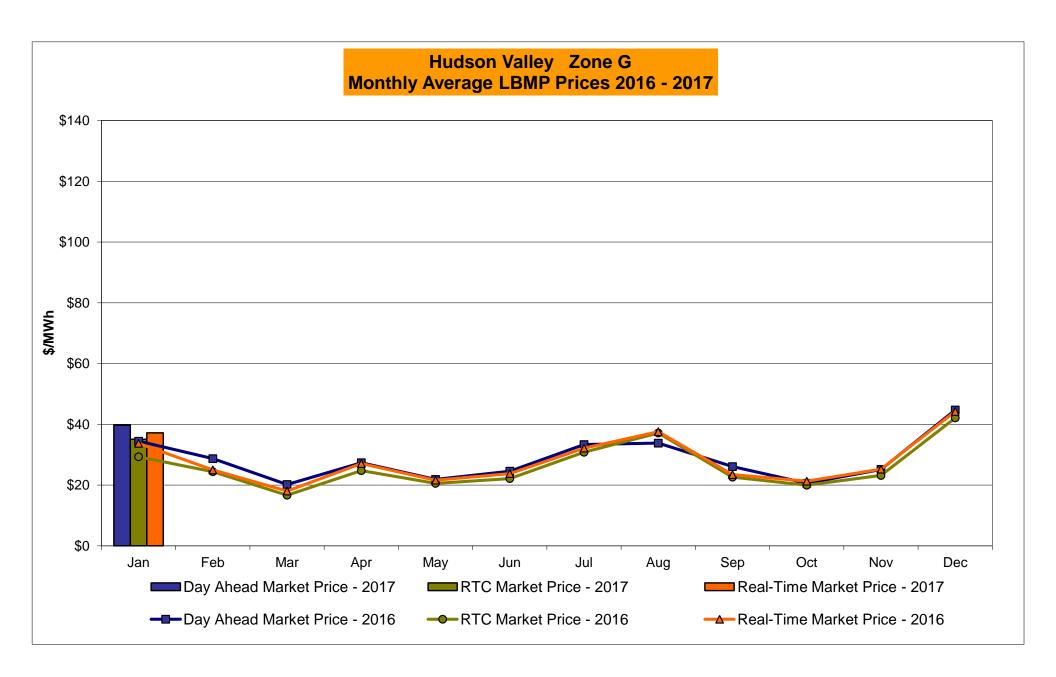
					MOHAWK		HUDSON			<b>NEW YORK</b>	LONG
	WEST	<b>GENESEE</b>	NORTH	CENTRAL	VALLEY	CAPITAL	VALLEY	MILLWOOD	DUNWOODIE	CITY	ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP	<del> </del>	<del></del>								· · · · · · · · · · · · · · · · · · ·	
Unweighted Price *	29.14	28.63	26.44	29.68	30.41	42.56	39.71	40.03	39.85	40.64	44.50
Standard Deviation	9.12	8.73	8.98	9.05	9.37	18.38	14.47	14.72	14.53	15.40	19.97
RTC LBMP											
Unweighted Price *	26.31	26.05	24.83	27.08	27.84	37.30	35.07	35.25	35.08	35.43	38.44
Standard Deviation	18.96	11.85	12.41	12.15	12.57	19.70	15.82	16.05	15.90	16.58	22.98
REAL TIME LBMP											
Unweighted Price *	27.69	27.89	26.58	28.95	29.79	39.39	37.18	37.36	37.18	37.48	39.60
Standard Deviation	16.48	15.84	16.02	16.21	16.65	23.93	19.99	20.22	20.05	20.41	23.71
		HYDRO	HYDRO			CROSS					
	ONTARIO	QUEBEC	QUEBEC	5.04	NEW	SOUND	NORTHPORT-	NEDTINE			
	ONTARIO IESO	QUEBEC		РЈМ	NEW ENGLAND	SOUND CABLE	NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
	IESO	QUEBEC (Wheel) (li	QUEBEC mport/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>
		QUEBEC	QUEBEC	PJM <u>Zone P</u>		SOUND CABLE	NORWALK				
DAY AHEAD LBMP	IESO  Zone O	QUEBEC (Wheel) (li	QUEBEC mport/Export) Zone M	Zone P	ENGLAND  Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
Unweighted Price *	<b>Zone O</b> 27.65	QUEBEC (Wheel) (In Zone M 26.39	QUEBEC mport/Export)  Zone M  26.39	<b>Zone P</b> 33.45	Zone N 41.30	SOUND CABLE Controllable Line 42.91	NORWALK Controllable Line 42.04	Controllable Line 41.66	Controllable Line 39.92	Controllable Line 40.01	Controllable Line 25.86
	IESO  Zone O	QUEBEC (Wheel) (li	QUEBEC mport/Export) Zone M	Zone P	ENGLAND  Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
Unweighted Price * Standard Deviation  RTC LBMP	Zone O 27.65 7.81	QUEBEC (Wheel) (In Zone M 26.39 9.13	QUEBEC mport/Export)  Zone M  26.39 9.13	Zone P 33.45 10.36	<b>Zone N</b> 41.30 16.59	SOUND CABLE Controllable Line 42.91 17.74	NORWALK Controllable Line 42.04 16.86	Controllable Line 41.66 16.82	Controllable Line 39.92 14.60	Controllable Line 40.01 14.59	Controllable Line 25.86 8.73
Unweighted Price * Standard Deviation	<b>Zone O</b> 27.65	QUEBEC (Wheel) (In Zone M 26.39	QUEBEC mport/Export)  Zone M  26.39	<b>Zone P</b> 33.45	Zone N 41.30	SOUND CABLE Controllable Line 42.91	NORWALK Controllable Line 42.04	Controllable Line 41.66	Controllable Line 39.92	Controllable Line 40.01	Controllable Line 25.86
Unweighted Price * Standard Deviation  RTC LBMP	Zone O 27.65 7.81	QUEBEC (Wheel) (In Zone M 26.39 9.13	QUEBEC mport/Export)  Zone M  26.39 9.13	Zone P 33.45 10.36	<b>Zone N</b> 41.30 16.59	SOUND CABLE Controllable Line 42.91 17.74	NORWALK Controllable Line 42.04 16.86	Controllable Line 41.66 16.82	Controllable Line 39.92 14.60	Controllable Line 40.01 14.59	Controllable Line 25.86 8.73
Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price *	27.65 7.81	QUEBEC (Wheel) (In Zone M 26.39 9.13	QUEBEC mport/Export)  Zone M  26.39 9.13	Zone P 33.45 10.36 29.89	<b>Zone N</b> 41.30 16.59	SOUND CABLE Controllable Line 42.91 17.74	NORWALK Controllable Line 42.04 16.86	<u>Line</u> 41.66 16.82	29.92 14.60	40.01 14.59	25.86 8.73
Unweighted Price * Standard Deviation  RTC LBMP  Unweighted Price * Standard Deviation	27.65 7.81	QUEBEC (Wheel) (In Zone M 26.39 9.13	QUEBEC mport/Export)  Zone M  26.39 9.13	Zone P 33.45 10.36 29.89	<b>Zone N</b> 41.30 16.59	SOUND CABLE Controllable Line 42.91 17.74	NORWALK Controllable Line 42.04 16.86	<u>Line</u> 41.66 16.82	29.92 14.60	40.01 14.59	25.86 8.73

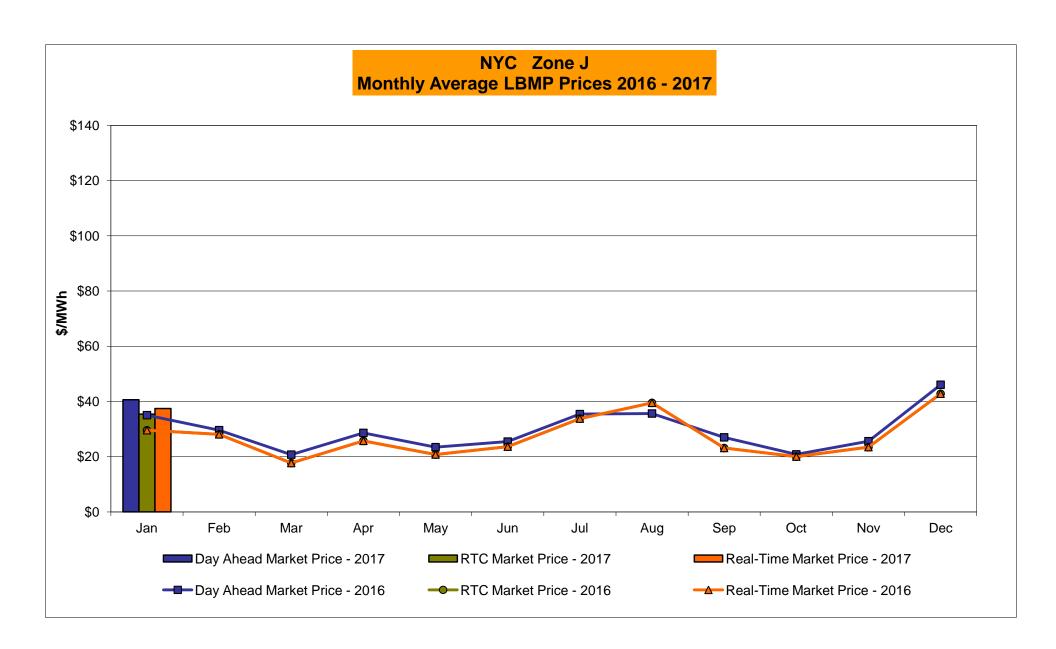
<sup>\*</sup> Straight LBMP averages

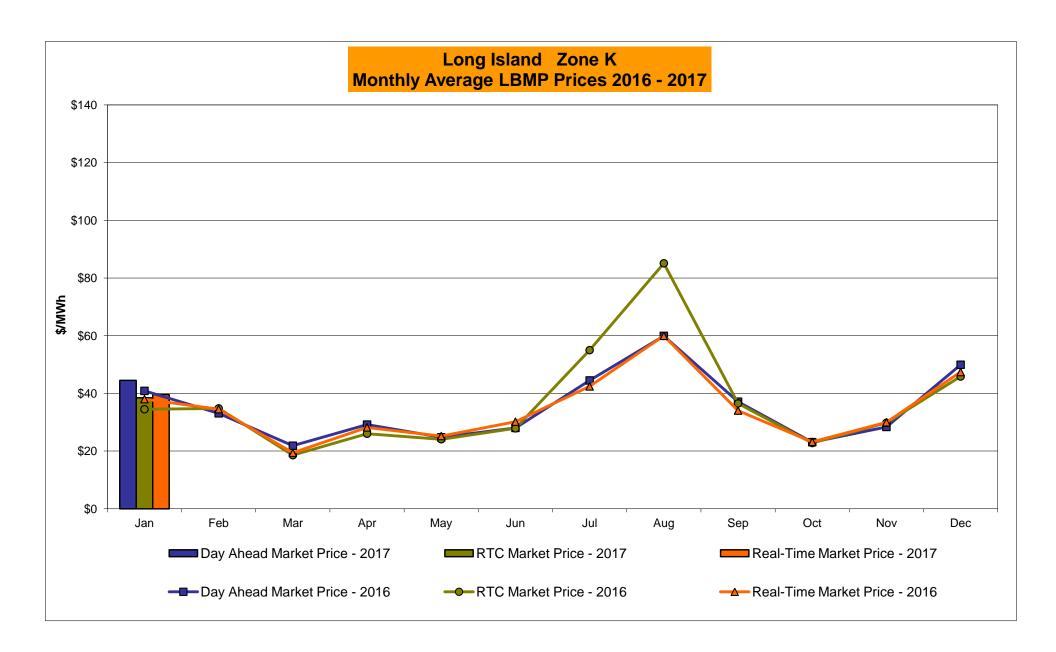


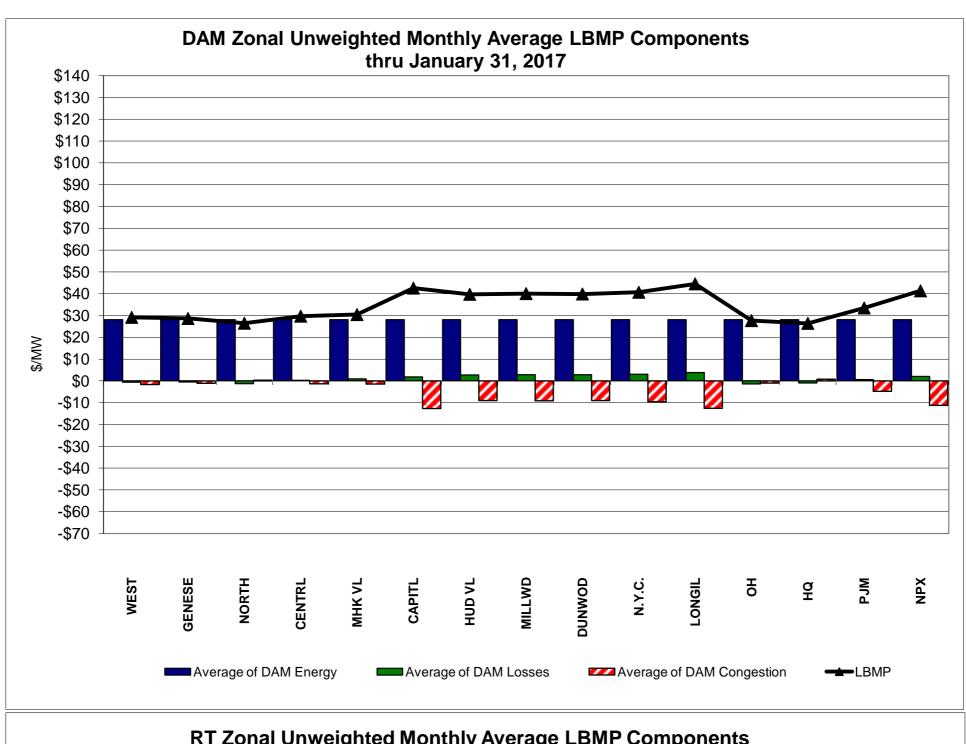


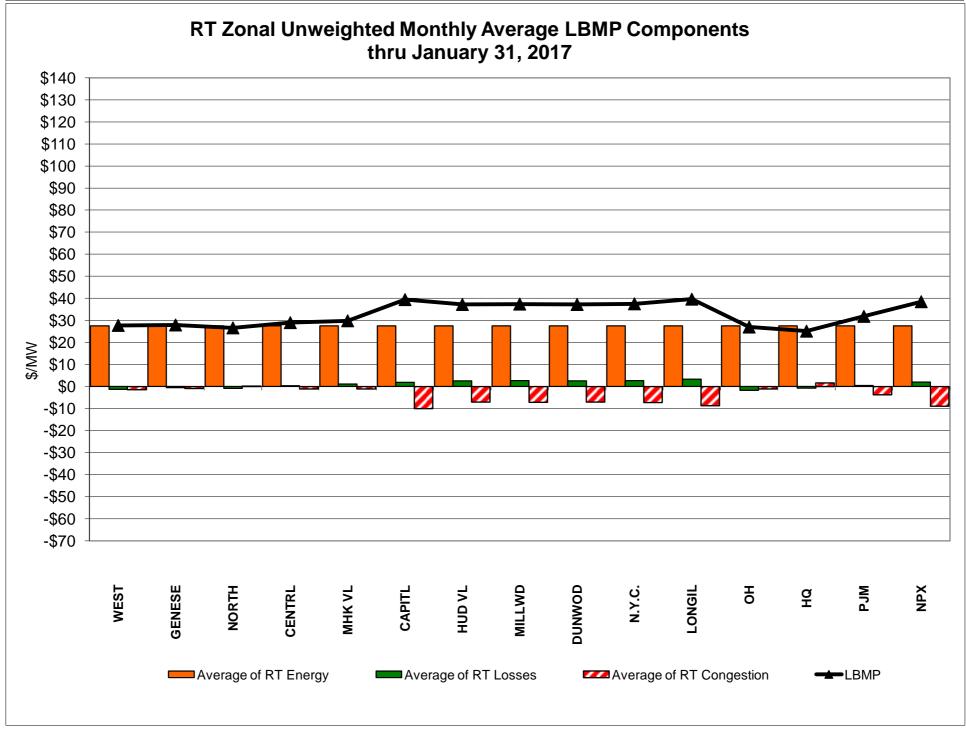




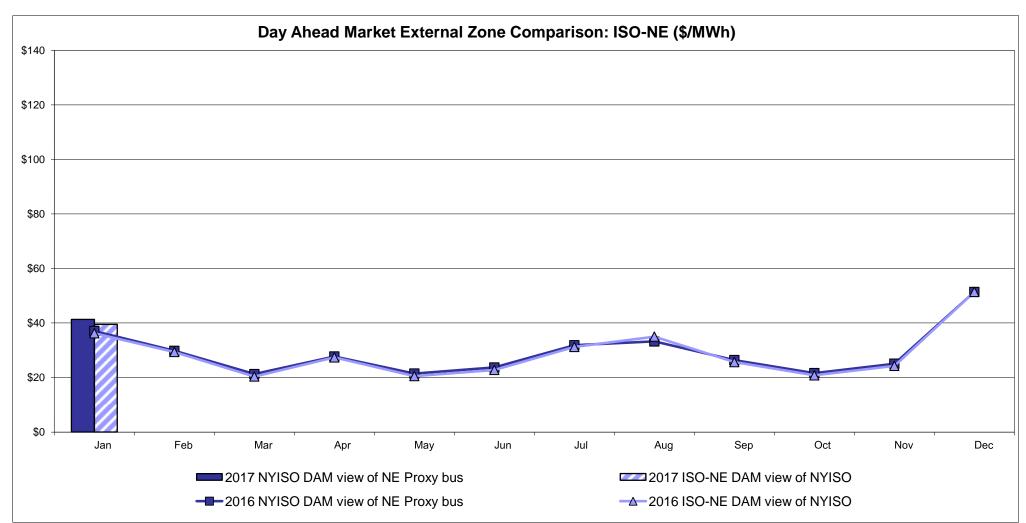


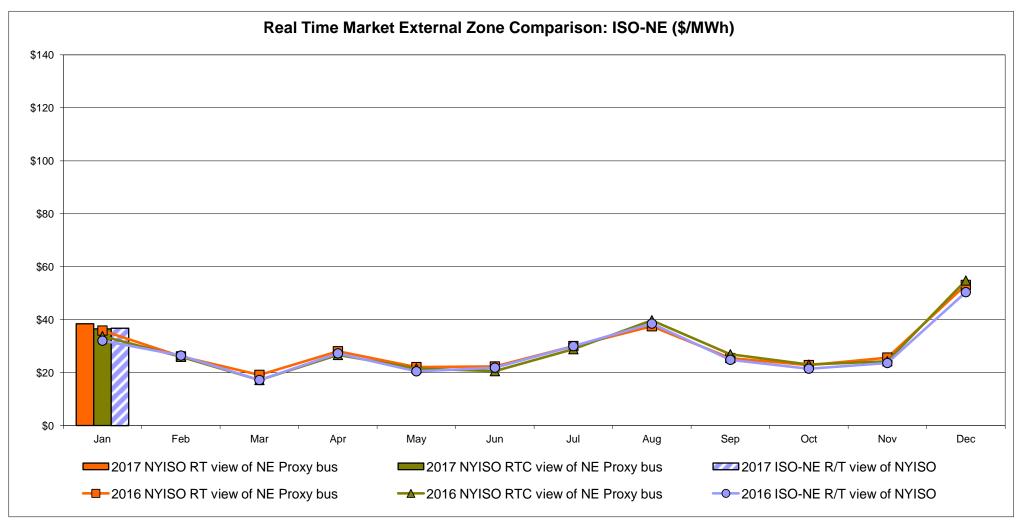




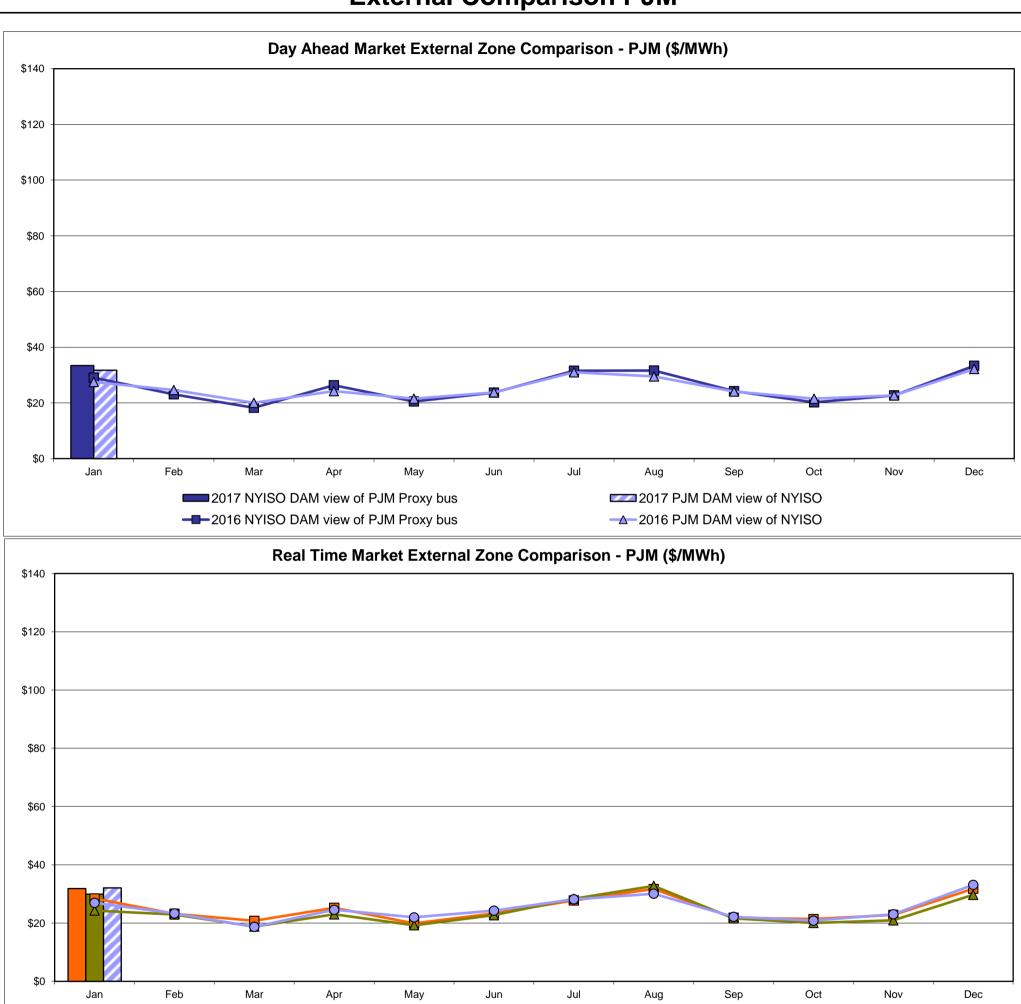


## **External Comparison ISO-New England**





### **External Comparison PJM**



■2017 NYISO RT view of PJM Proxy bus

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

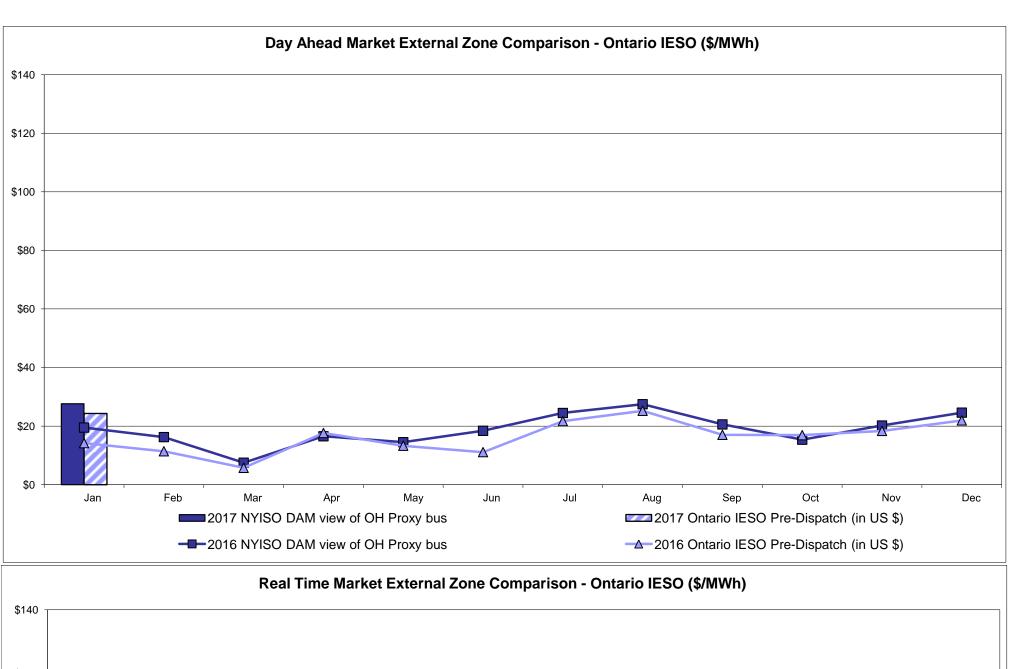
2017 NYISO RTC view of PJM Proxy bus

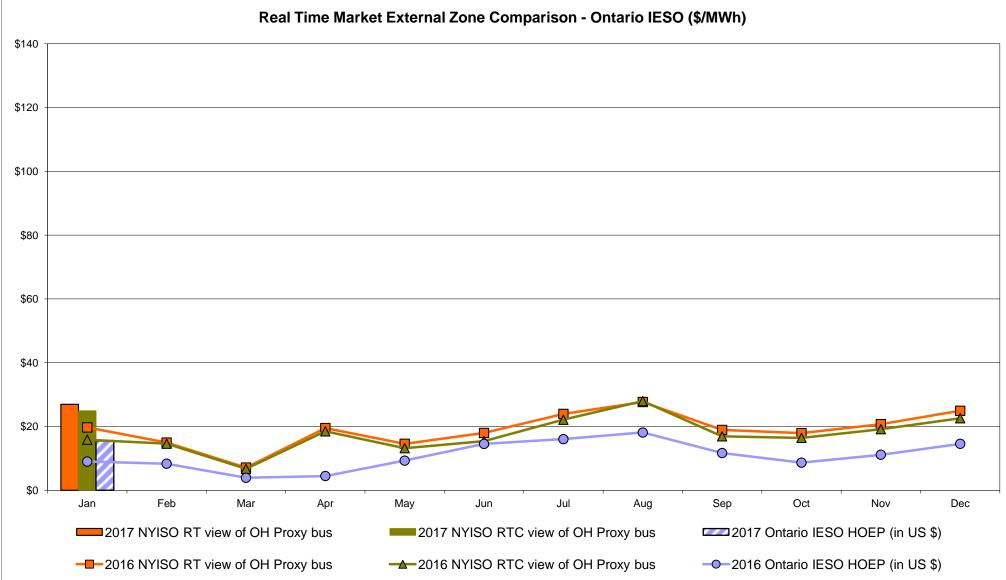
→ 2016 NYISO RTC view of PJM Proxy bus

2017 PJM R/T view of NYISO

-0-2016 PJM R/T view of NYISO

## **External Comparison Ontario IESO**

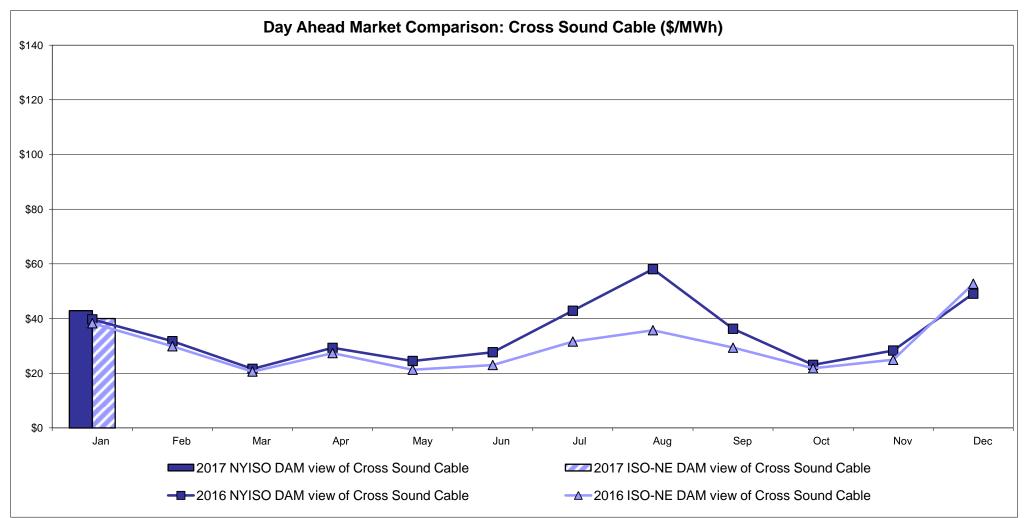


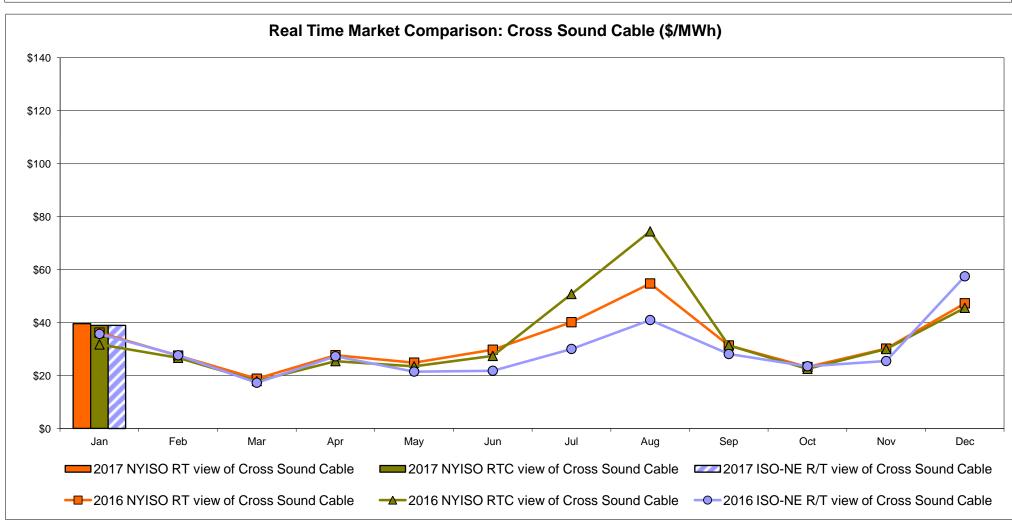


Notes: Exchange factor used for January 2017 was 0.757748 to US

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

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





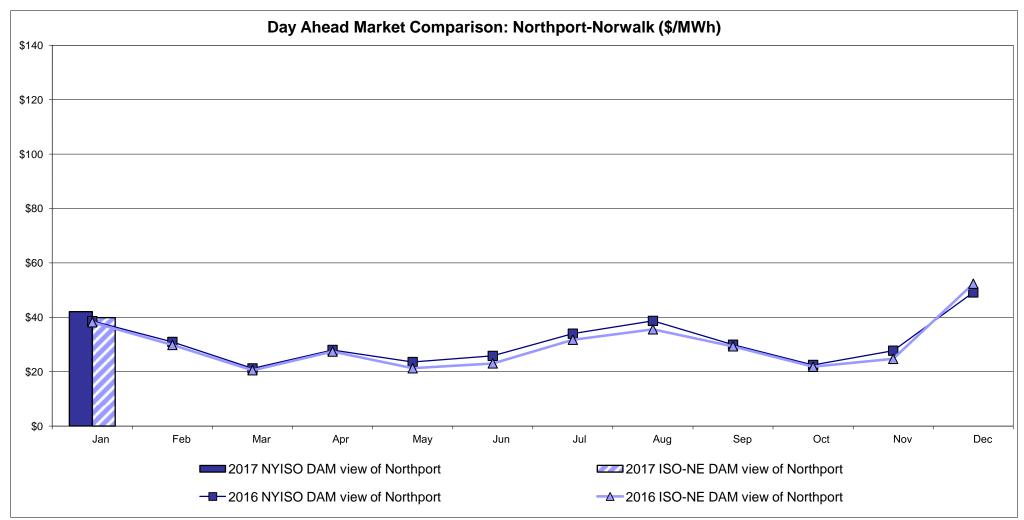
#### Note:

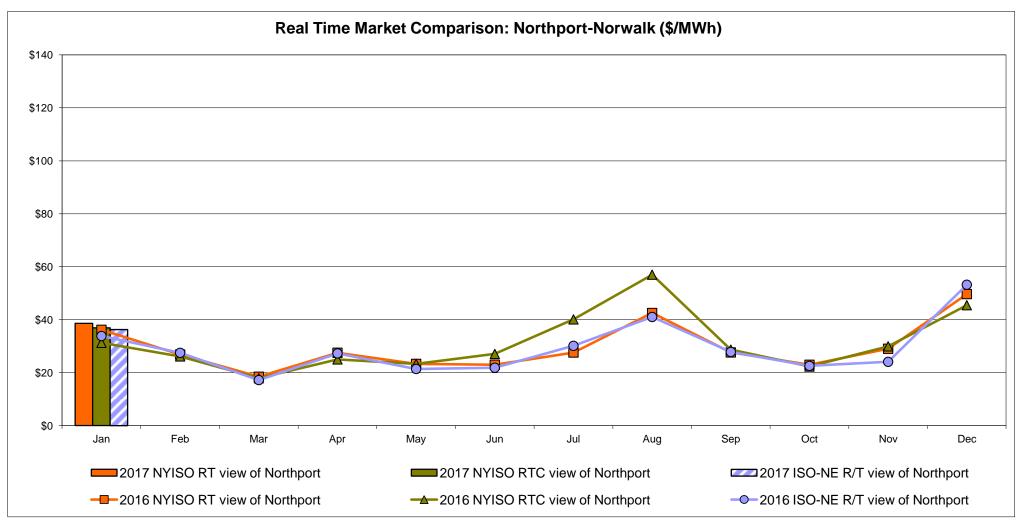
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)**





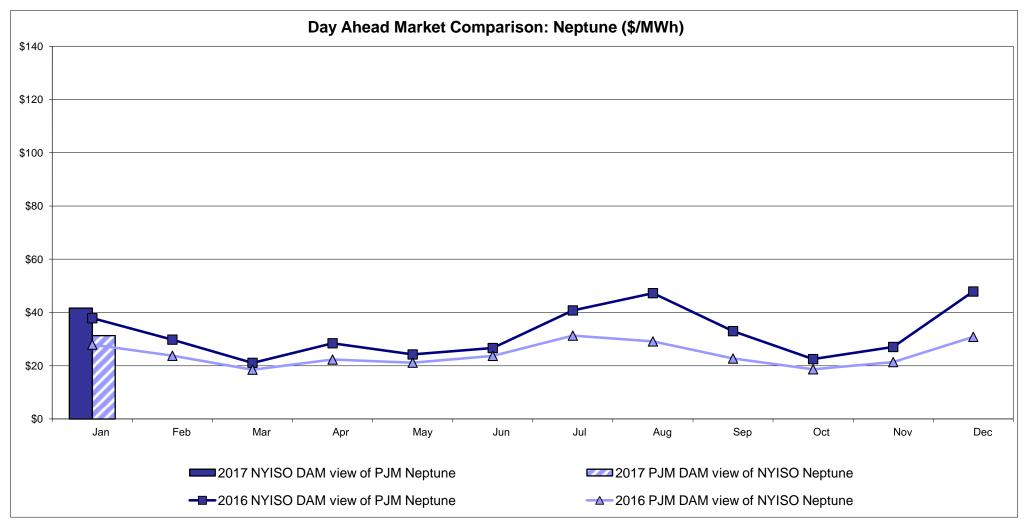
#### Note:

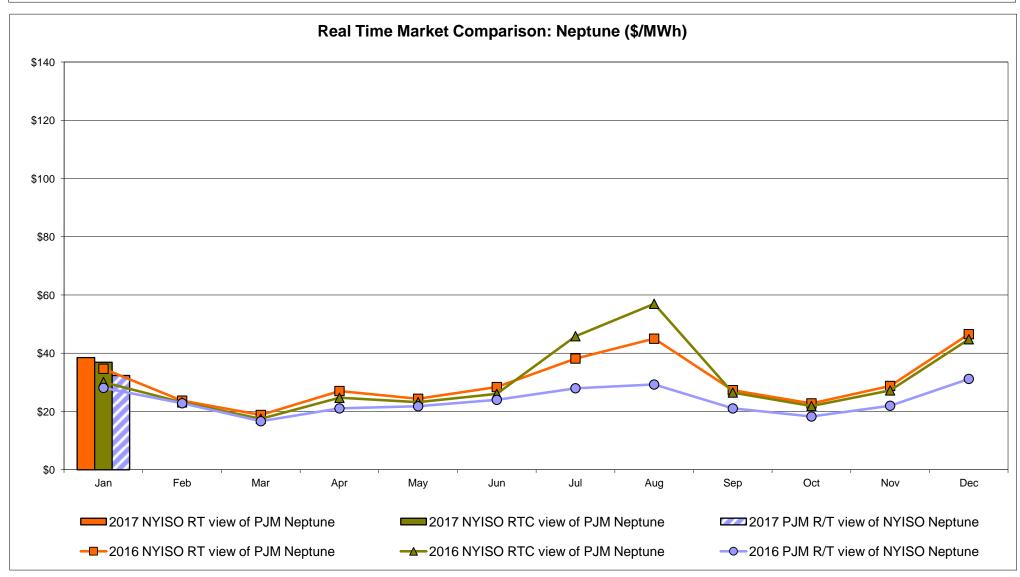
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

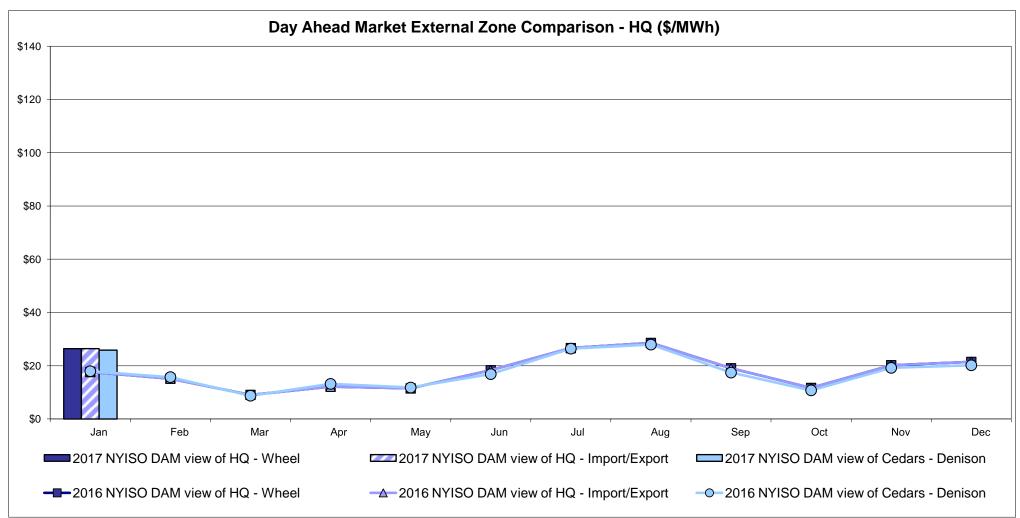
The DAM and R/T prices at the 1385 interface are used for NYISO.

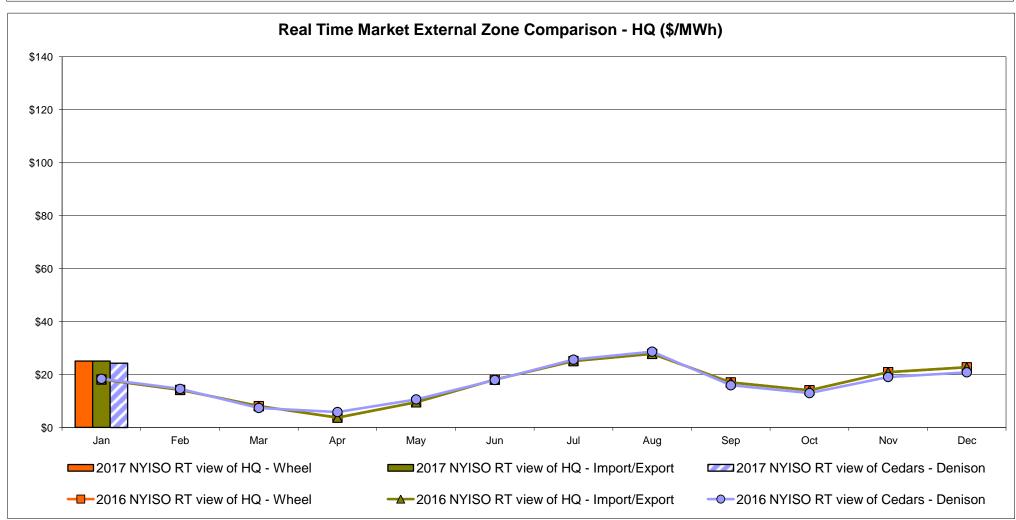
## **External Controllable Line: Neptune (PJM)**





## **External Comparison Hydro-Quebec**

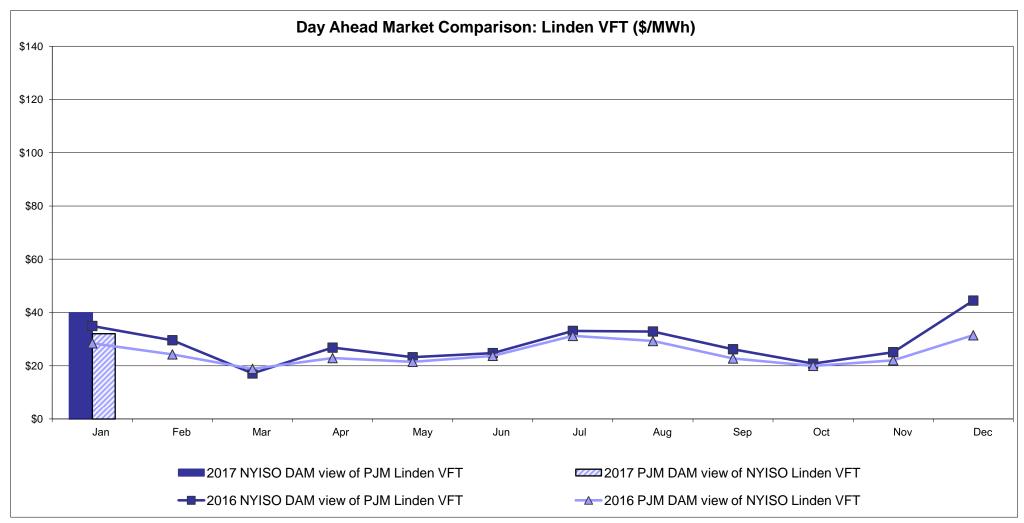


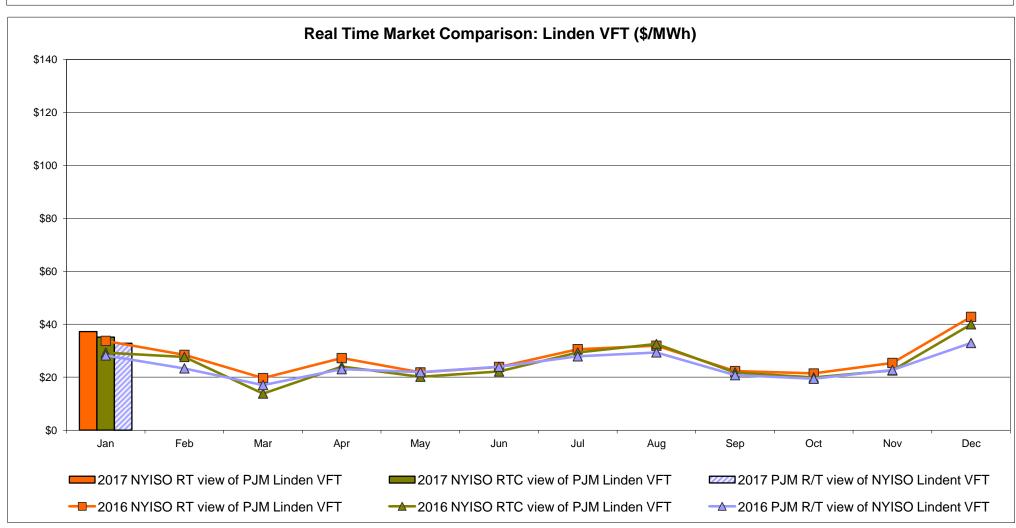


Note:

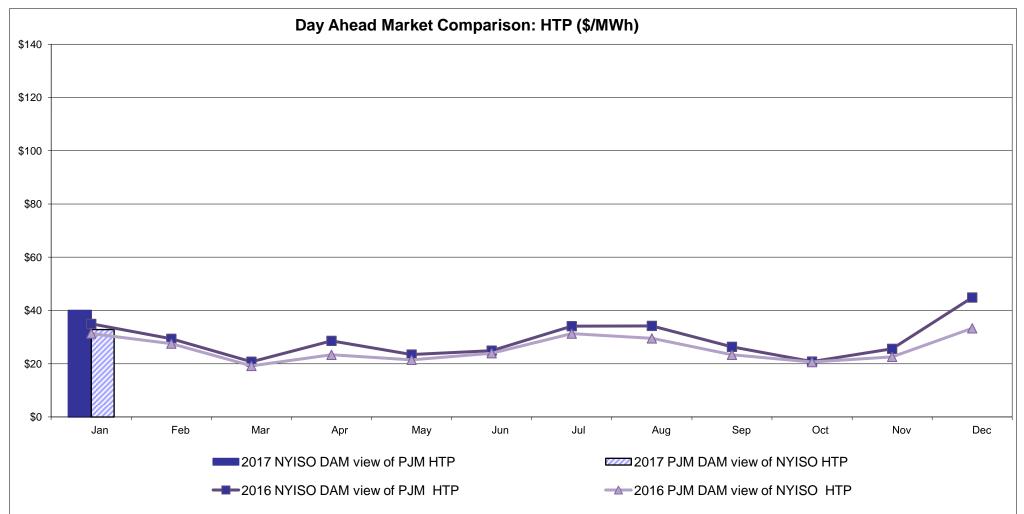
Hydro-Quebec Prices are unavailable.

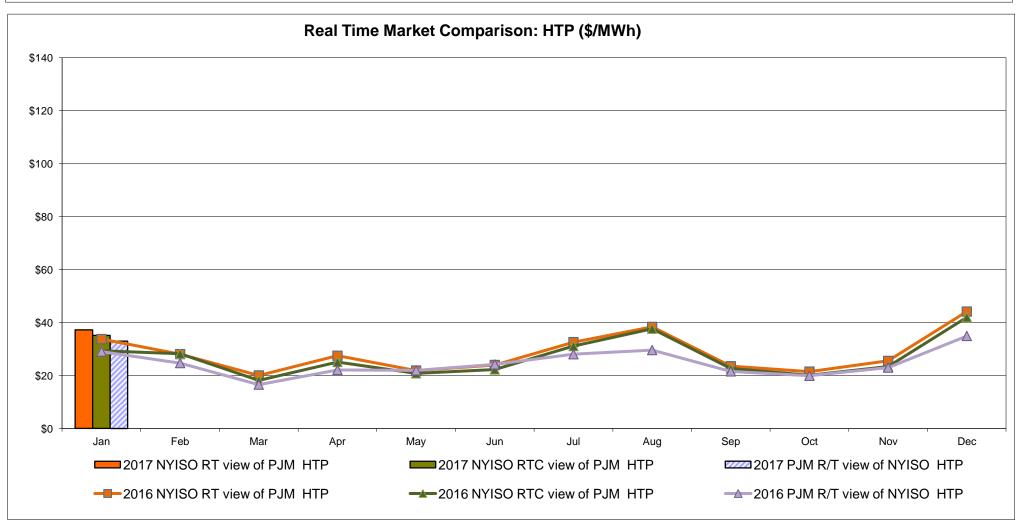
### **External Controllable Line: Linden VFT (PJM)**





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



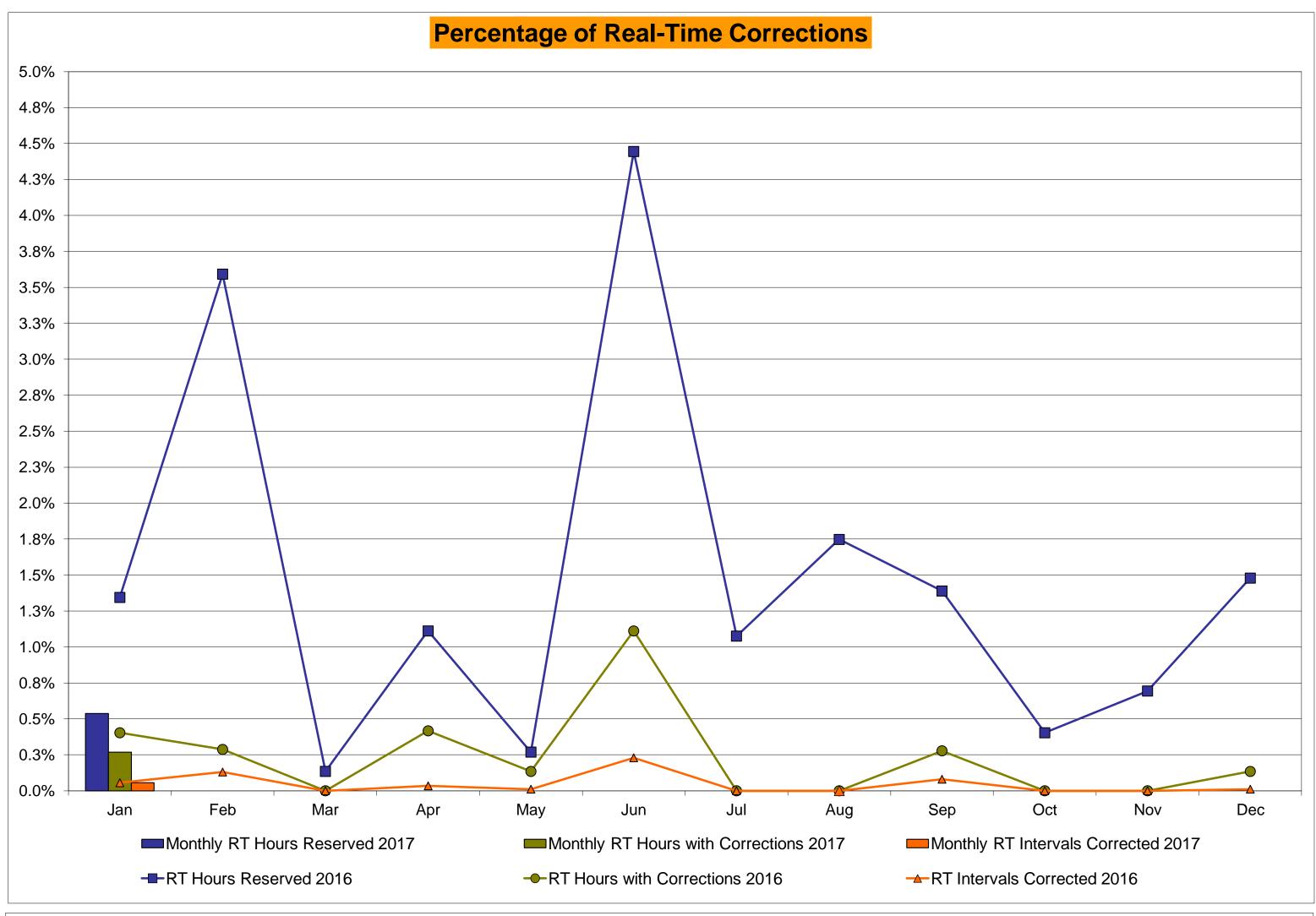


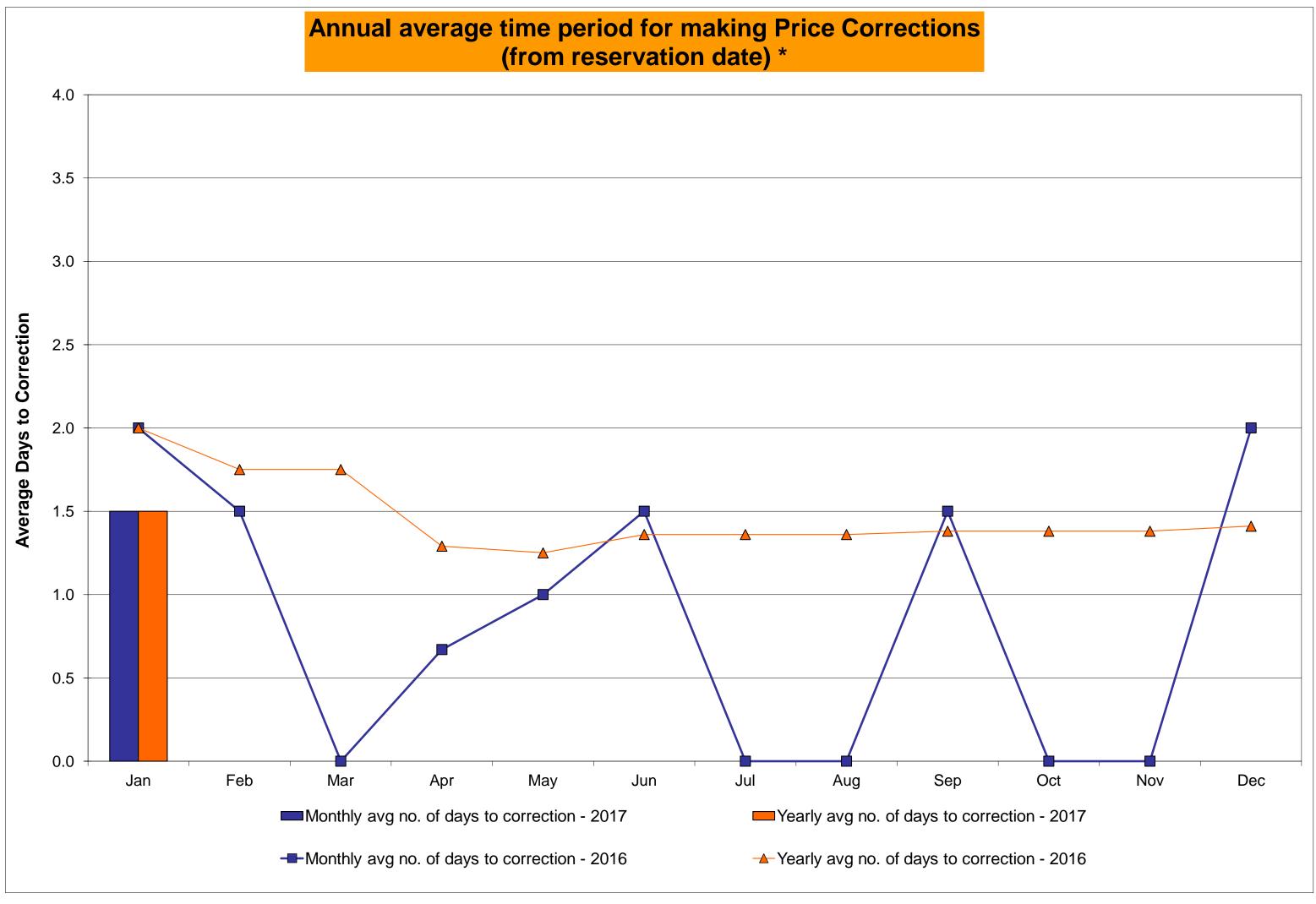
#### **NYISO Real Time Price Correction Statistics**

2017		<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
Hour Corrections  Number of hours with corrections	in the month	2											
Number of hours  Number of hours	in the month	744											
% of hours with corrections	in the month	0.27%											
% of hours with corrections Interval Corrections	year-to-date	0.27%											
Number of intervals corrected	in the month	5											
Number of intervals	in the month	8,983											
% of intervals corrected	in the month	0.06%											
% of intervals corrected	year-to-date	0.06%											
Hours Reserved	year-to-date	0.0076											
Number of hours reserved	in the month	4											
Number of hours	in the month	744											
% of hours reserved	in the month	0.54%											
% of hours reserved	year-to-date	0.54%											
Days to Correction *													
Avg. number of days to correction	in the month	1.50											
Avg. number of days to correction	year-to-date	1.50											
Days Without Corrections		00											
Days without corrections	in the month	29											
Days without corrections	year-to-date	29											
2016		<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
2016 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	<u>December</u>
	in the month	<u>January</u> 3	February 2	<u>March</u> 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	<del></del>			·	<del></del>	<del></del>						
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	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	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	in the month in the month	3 744 0.40%	2 696 0.29%	0 743 0.00%	3 720 0.42% 0.28%	1 744 0.13%	8 720 1.11% 0.39%	0 744 0.00% 0.33%	0 744 0.00%	2 720 0.28% 0.29%	0 744 0.00% 0.26%	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	in the month in the month year-to-date	3 744 0.40% 0.40%	2 696 0.29% 0.35%	0 743 0.00% 0.23%	3 720 0.42% 0.28%	1 744 0.13% 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	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%	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%	0 721 0.00% 0.24% 0 8,724	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	in the month in the month year-to-date in the month in the month in the month	3 744 0.40% 0.40% 5 9,000 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%	0 744 0.00% 0.33% 0 9,038 0.00%	0 744 0.00% 0.29% 0 9,048 0.00%	2 720 0.28% 0.29% 7 8,713 0.08%	0 744 0.00% 0.26% 0 8,960 0.00%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05%	1 744 0.13% 0.23% 1 9,034 0.01%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	3 744 0.40% 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	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% 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% 3 744	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	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%	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% 3 744	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	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69%	1 744 0.13% 0.23% 1 9,034 0.01% 0.05% 11 744 1.48%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction  Avg. number of days to 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	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  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 in the month in the month in the month year-to-date	3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% 1.34%	2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% 2.43%	0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% 1.65%	3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% 1.52%	1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% 1.26%	8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% 1.79%	0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% 1.68%	0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% 1.69%	2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% 1.66%	0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% 1.53%	0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% 1.46%	1 744 0.13% 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 Days to Correction  Avg. number of days to 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	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%	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% 0.00 1.36	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% 0.00 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  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%

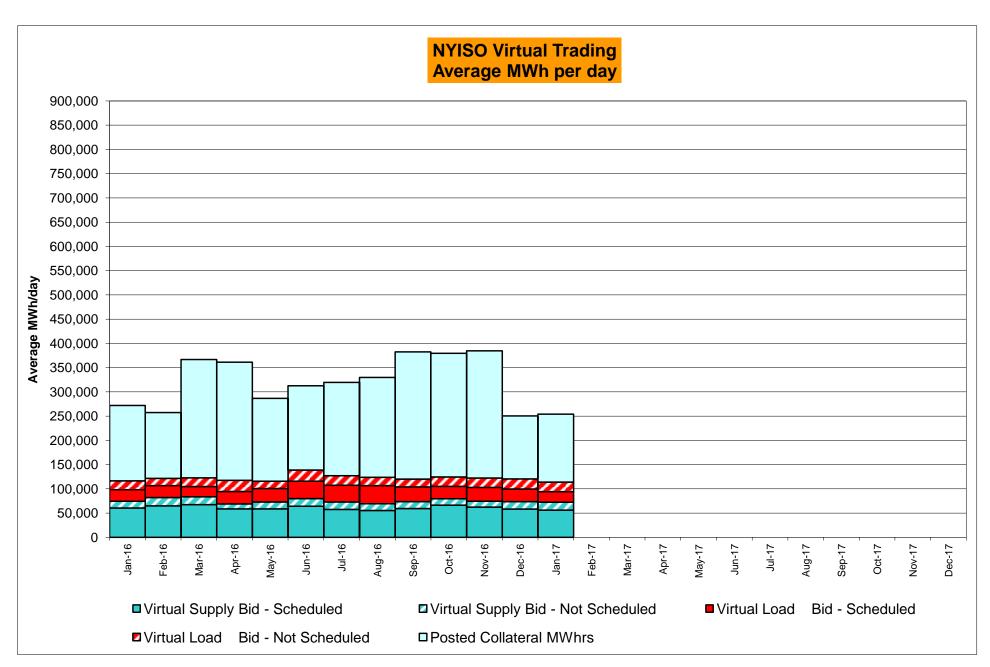
<sup>\*</sup> Calendar days from reservation date.

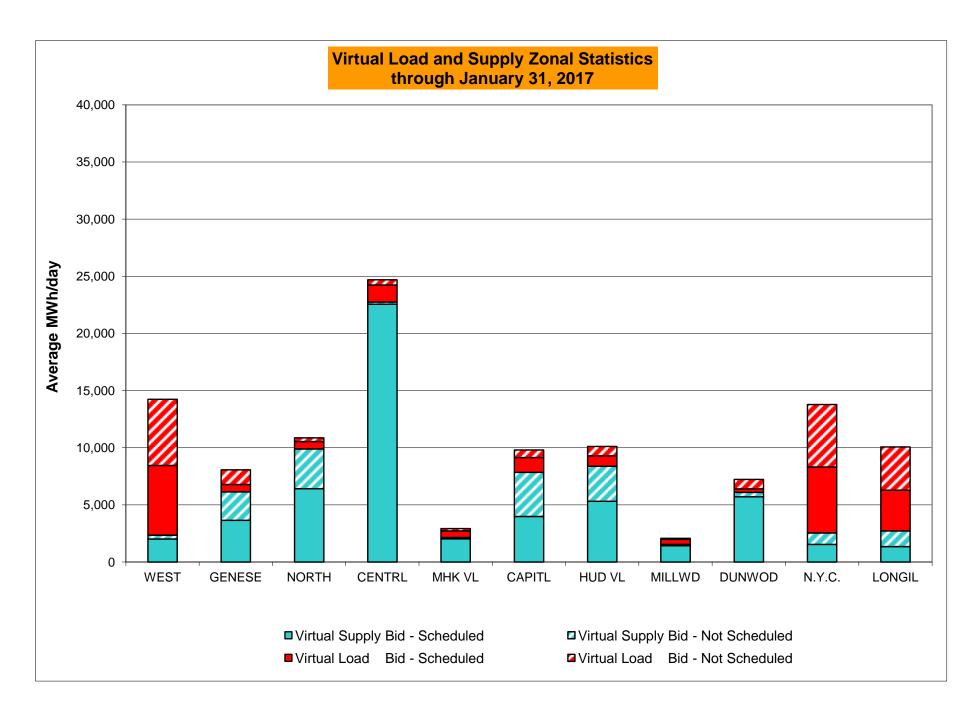
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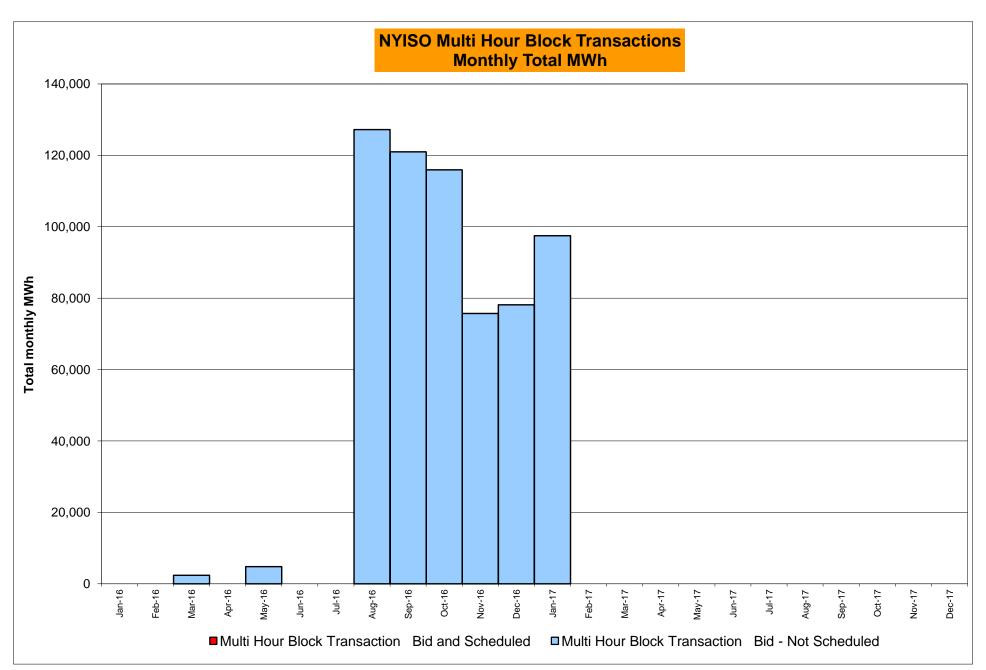


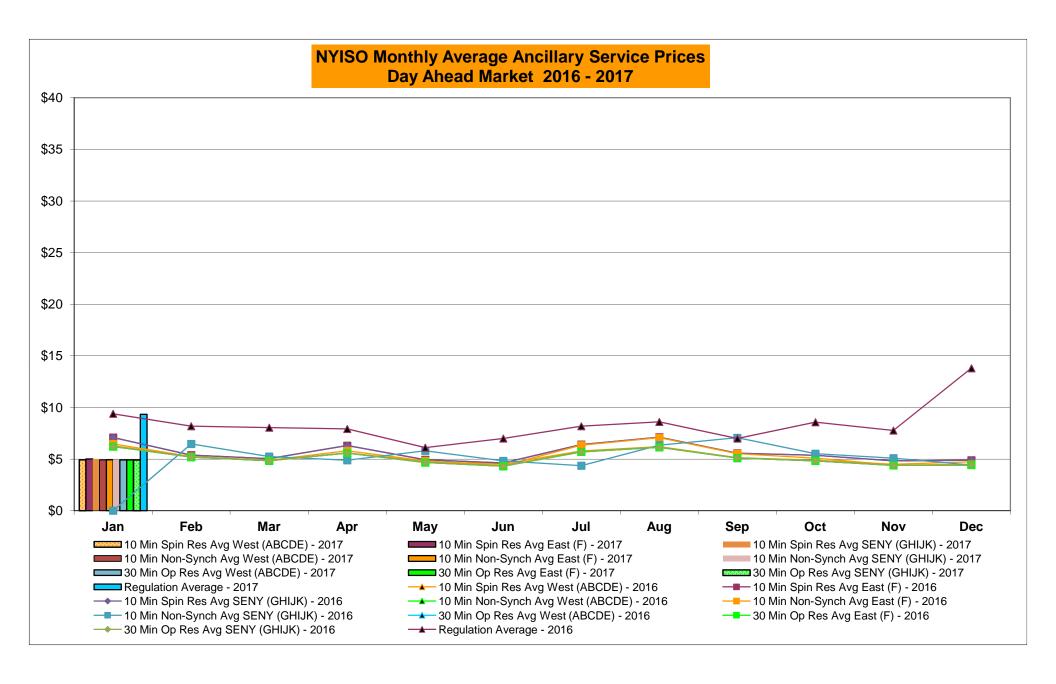
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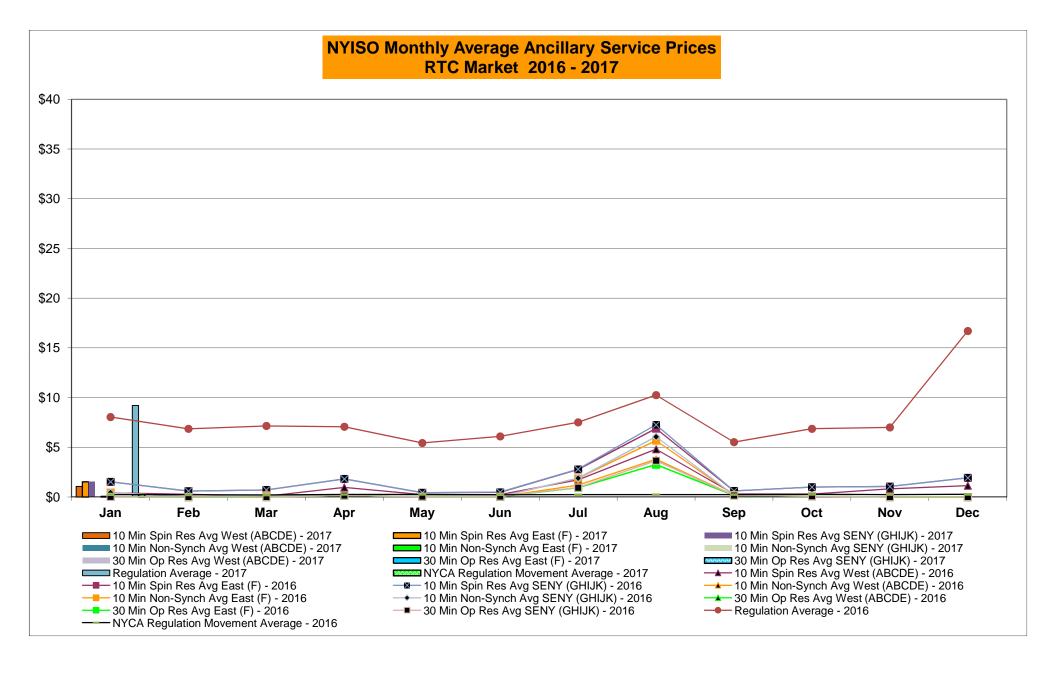


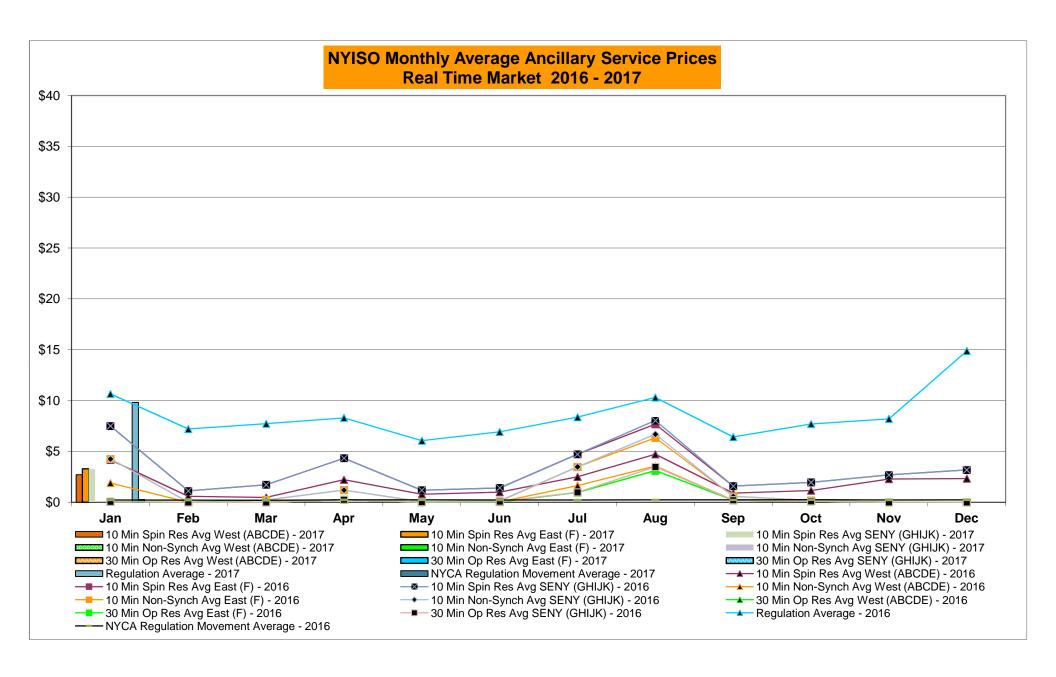


					<u>Virtual L</u>	oad and	Supp	oly Zonal	Statistic	s (Avera	ge MWh/	(day)	- 2017	•				
		Vistrall	and Did	Virtual C	ummlu Did			Vintual I	and Did	Virtual C	malu Did				Vintural I	and Did	Vistual Cu	maly Did
		Virtual L		virtuai S	upply Bid		1	virtuai i	Load Bid	Virtual Su				I	virtuai L	Load Bid	Virtual Su	
7000	Data	Cabadulad	Not Cabadulad	Cabadulad	Not	7000	Data	Cabadulad	Not	Cabadulad	Not	.	7000	Data	Cabadulad	Not Cabadulad	Cabadulad	Not Cobodulod
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled		Scheduled	Scheduled		Zone	Date	Scheduled	Scheduled		Scheduled
WEST	Jan-17		5,795	2,019	337	MHK VL	Jan-17		202	2,022	131		DUNWOD	Jan-17	304	832	5,708	389
	Feb-17 Mar-17					_	Feb-17							Feb-17 Mar-17				
	Apr-17					_	Mar-17 Apr-17							Apr-17				
	May-17					$\dashv$	May-17							May-17				
	Jun-17					_	Jun-17							Jun-17				
	Jul-17					_	Jul-17							Jul-17				
	Aug-17					_	Aug-17							Aug-17				
	Sep-17					_	Sep-17							Sep-17				
	Oct-17						Oct-17							Oct-17				
	Nov-17						Nov-17							Nov-17				
	Dec-17						Dec-17							Dec-17				
	Dec-17						Dec-17							Dec-17				
GENESE	Jan-17	654	1,282	3,652	2,482	CAPITL	Jan-17	1,291	666	3,990	3,861		N.Y.C.	Jan-17	5,761	5,474	1,543	1,008
OLIVEOL	Feb-17		1,202	3,032	2,402	JAITE	Feb-17	· · · · · · · · · · · · · · · · · · ·	000	3,330	3,001		11.1.0.	Feb-17	3,701	5,777	1,545	1,000
	Mar-17						Mar-17							Mar-17				
	Apr-17					_	Apr-17							Apr-17				
	May-17						May-17							May-17				
	Jun-17						Jun-17							Jun-17				
	Jul-17					_	Jul-17							Jul-17				
	Aug-17					$\dashv$	Aug-17							Aug-17				
	Sep-17					_	Sep-17							Sep-17				
	Oct-17						Oct-17							Oct-17				
	Nov-17						Nov-17							Nov-17				
	Dec-17						Dec-17							Dec-17				
	200						200							200				
NORTH	Jan-17	655	316	6,415	3,473	HUD VL	Jan-17	911	817	5,317	3,064		LONGIL	Jan-17	3,559	3,788	1,354	1,367
	Feb-17						Feb-17							Feb-17				
	Mar-17						Mar-17							Mar-17				
	Apr-17						Apr-17							Apr-17				
	May-17						May-17							May-17				
	Jun-17						Jun-17							Jun-17				
	Jul-17						Jul-17							Jul-17				
	Aug-17						Aug-17							Aug-17				
	Sep-17						Sep-17							Sep-17				
	Oct-17						Oct-17							Oct-17				
	Nov-17						Nov-17							Nov-17				
	Dec-17						Dec-17							Dec-17				
CENTRL	Jan-17		455	22,561	196	MILLWD			91	1,422	128	ļ ļ	NYISO	Jan-17	21,713	19,719	56,001	16,436
	Feb-17						Feb-17							Feb-17				
	Mar-17						Mar-17							Mar-17				
	Apr-17						Apr-17							Apr-17				
	May-17						May-17							May-17				
	Jun-17						Jun-17							Jun-17				
	Jul-17						Jul-17							Jul-17				
	Aug-17						Aug-17							Aug-17				
	Sep-17						Sep-17							Sep-17				
	Oct-17						Oct-17							Oct-17				
	Nov-17						Nov-17					$\perp$		Nov-17				
	Dec-17						Dec-17							Dec-17				



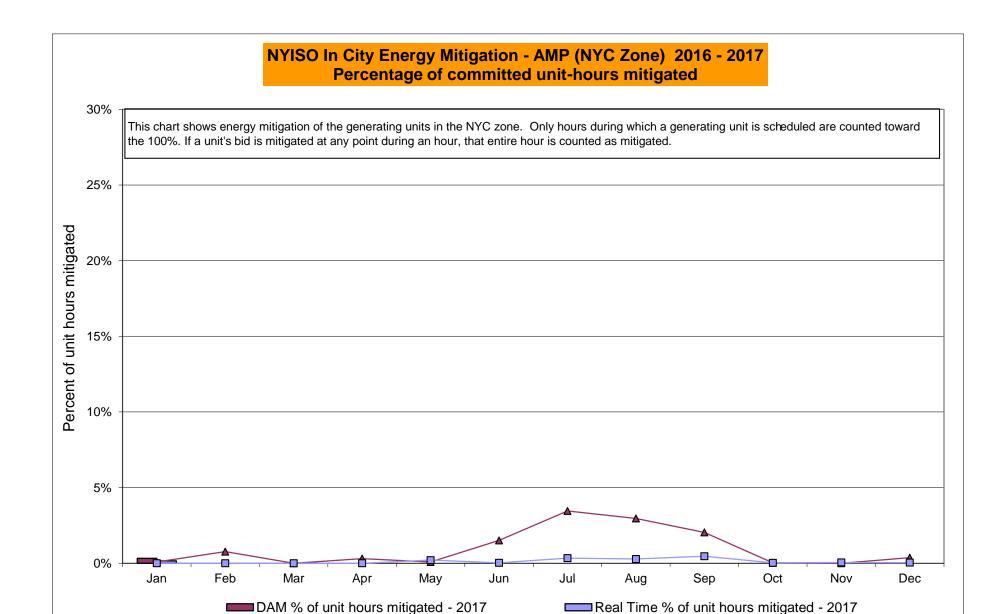






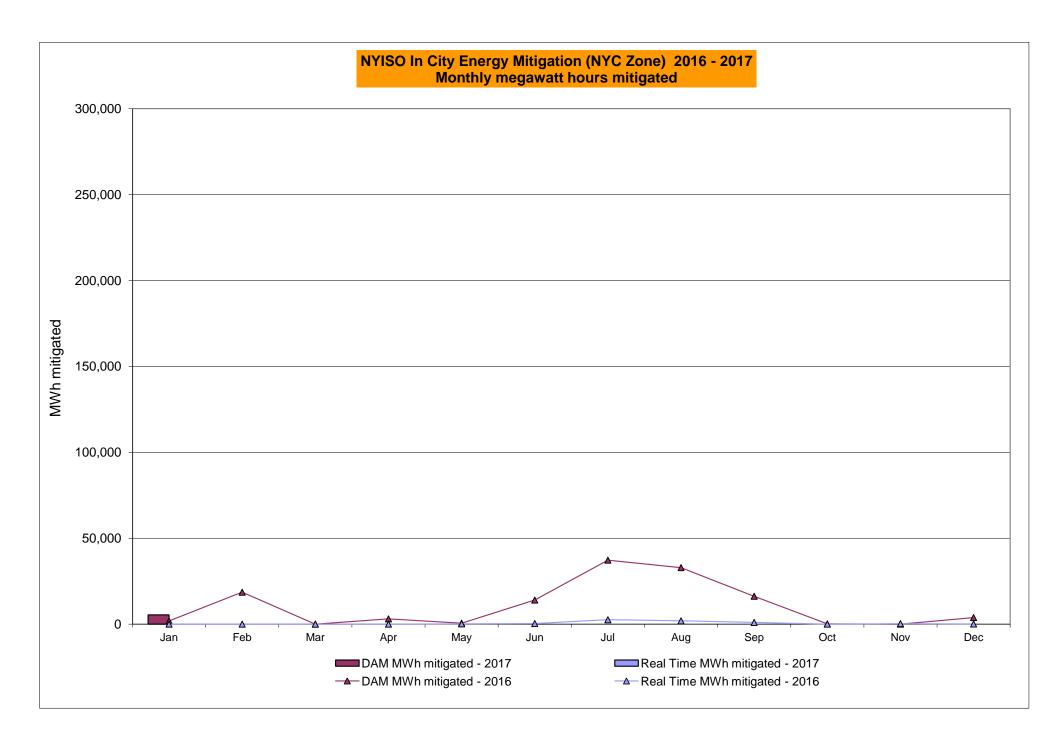
#### NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

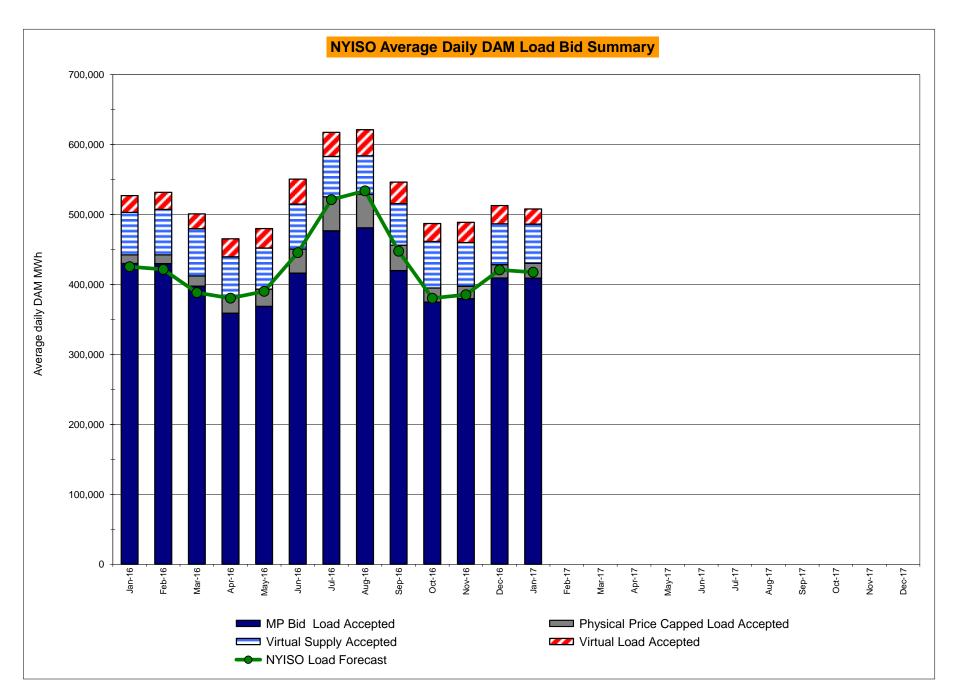
	NYISO W	<u>arkets A</u>	nciliary S	ervices	Statistic	s - Unwe	<u>igntea F</u>	rice (\$/	IVI VV III )			
<u>2017</u>	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	<u>December</u>
Day Ahead Market												
10 Min Spin SENY (GHIJK)	5.01											
10 Min Spin East (F)	5.01											
10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK)	4.94 4.94											
10 Min Non Synch East (F)	4.94											
10 Min Non Synch West (ABCDE)	4.92											
30 Min SENY (GHIJK)	4.92											
30 Min East (F)	4.92											
30 Min West (ABCDE)	4.92											
Regulation	9.34											
RTC Market												
10 Min Spin SENY (GHIJK)	1.53											
10 Min Spin East (F)	1.53											
10 Min Spin West (ABCDE)	1.06											
10 Min Non Synch SENY (GHIJK)	0.06											
10 Min Non Synch East (F)	0.06											
10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK)	0.00 0.00											
30 Min East (F)	0.00											
30 Min West (ABCDE)	0.00											
Regulation	9.21											
NYCA Regulation Movement	0.27											
Real Time Market												
10 Min Spin SENY (GHIJK)	3.29											
10 Min Spin East (F)	3.29											
10 Min Spin West (ABCDE)	2.71											
10 Min Non Synch SENY (GHIJK)	0.00											
10 Min Non Synch East (F)	0.00											
10 Min Non Synch West (ABCDE)	0.00											
30 Min SENY (GHIJK) 30 Min East (F)	0.00											
30 Min West (ABCDE)	0.00 0.00											
Regulation	9.83											
NYCA Regulation Movement	0.27											
NTCA Regulation Movement	0.2.											
<u>2016</u>	January	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	July	August	September	October	November	<u>December</u>
2016 Day Ahead Market	<u>January</u>											
2016 Day Ahead Market 10 Min Spin SENY (GHIJK)	<u>January</u> 7.09	5.38	5.04	6.31	4.93	4.62	6.41	7.12	5.57	5.37	4.83	4.89
2016 <u>Day Ahead Market</u> 10 Min Spin SENY (GHIJK) 10 Min Spin East (F)	<u>January</u> 7.09 7.09	5.38 5.38	5.04 5.04	6.31 6.31	4.93 4.93	4.62 4.62	6.41 6.41	7.12 7.12	5.57 5.57	5.37 5.37	4.83 4.83	4.89 4.89
2016 Day Ahead Market 10 Min Spin SENY (GHIJK)	<u>January</u> 7.09	5.38	5.04	6.31	4.93	4.62	6.41	7.12	5.57	5.37	4.83	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)  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	6.31 6.31 5.60	4.93 4.93 4.77 4.83 4.83	4.62 4.62 4.52 4.36 4.36	6.41 6.41 5.78 6.34 6.34	7.12 7.12 6.20 7.07 7.07	5.57 5.57 5.14 5.52 5.52	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 7.09 6.28 6.47 6.47 6.23	5.38 5.38 5.25 5.25 5.25 5.25 5.20	5.04 5.04 4.84 4.88 4.88 4.84	6.31 6.31 5.60 5.80 5.80 5.58	4.93 4.93 4.77 4.83 4.83 4.68	4.62 4.62 4.52 4.36 4.36 4.32	6.41 6.41 5.78 6.34 6.34 5.72	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 4.39	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)  30 Min SENY (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23	5.38 5.38 5.25 5.25 5.25 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84	6.31 6.31 5.60 5.80 5.80 5.58 5.58	4.93 4.93 4.77 4.83 4.83 4.68 4.67	4.62 4.62 4.52 4.36 4.36 4.32 4.32	6.41 6.41 5.78 6.34 6.34 5.72 5.70	7.12 7.12 6.20 7.07 7.07 6.15 6.15	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 4.43 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	6.31 6.31 5.60 5.80 5.58 5.58 5.58	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67	4.62 4.62 4.52 4.36 4.36 4.32 4.32	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 5.14 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 4.43 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 East (F)  30 Min West (ABCDE)	7.09 7.09 6.28 6.47 6.23 6.23 6.23 6.23	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84	6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 5.58	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15	5.57 5.57 5.14 5.52 5.52 5.10 5.10 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 4.39	4.89 4.89 4.73 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 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	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	6.31 6.31 5.60 5.80 5.58 5.58 5.58	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67	4.62 4.62 4.52 4.36 4.36 4.32 4.32	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 5.14 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 4.43 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 East (F)  30 Min West (ABCDE)  Regulation  RTC Market	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 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	6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 8.19	7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61	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 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 4.43 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 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 7.93	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00	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 6.15 8.61	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 4.39 4.39 4.39 7.77	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 5.20 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	6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00	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 8.61 7.26 6.88	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 8.57	4.83 4.83 4.50 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
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 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05	6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 7.93	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00	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 6.15 8.61	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 8.57	4.83 4.83 4.50 4.43 4.39 4.39 4.39 7.77	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 West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC Market  10 Min Spin SENY (GHIJK)  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin Heat (F)  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	5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 8.19 0.59 0.26 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17	6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93 1.81 0.95 0.14	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.23 0.05 0.05	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00 0.49 0.24 0.05 0.02	6.41 6.41 5.78 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 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67	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 4.82 4.82 4.82 4.82 9.57 0.99 0.29 0.09	4.83 4.83 4.50 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 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 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 SENY (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 6.24 0.45 0.45	5.38 5.38 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	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	4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.23 0.05 0.05	4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18	7.12 7.12 6.20 7.07 6.15 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80	5.57 5.57 5.14 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 0.29 0.09 0.09	4.83 4.83 4.50 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 East (F)  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 East (F)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04	5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 8.19 0.59 0.26 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 5.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00	6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93 1.81 0.95 0.14 0.14 0.14	4.93 4.93 4.77 4.83 4.68 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.04	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00 0.49 0.49 0.24 0.05 0.02 0.02	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18	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 5.14 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 9.09 0.99 0.29 0.09 0.09 0.08	4.83 4.83 4.50 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 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 East (F)  30 Min West (ABCDE)  Regulation  RTC Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min 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 0.04 0.01	5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 8.19 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 0.00 0.00	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	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.04 0.04	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	6.41 6.41 5.78 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.93	7.12 7.12 6.20 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 5.14 5.52 5.10 5.10 5.10 7.00 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 8.57 0.99 0.99 0.09 0.09 0.08 0.08	4.83 4.83 4.50 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 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 Non 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 East (F)  10 Min Non Synch East (F)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 6.24 0.45 0.45 0.45 0.04 0.01 0.01	5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 8.19 0.59 0.26 0.00 0.00 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00	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	4.93 4.93 4.77 4.83 4.68 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.04 0.04 0.04	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 0.02	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93	7.12 7.12 6.20 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	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	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 9.57 0.99 0.29 0.09 0.08 0.08	4.83 4.83 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
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 East (F)  30 Min West (ABCDE)  Regulation  RTC Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min 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 0.04 0.01	5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 8.19 0.59 0.26 0.00 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00 0.00 7.15	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	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.04 0.04	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	6.41 6.41 5.78 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.93	7.12 7.12 6.20 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 5.14 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	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 8.57 0.99 0.99 0.09 0.09 0.08 0.08	4.83 4.83 4.50 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 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 East (F)  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 East (F)  10 Min Spin East (F)  10 Min Spin East (F)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch East (F)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  NYCA Regulation Movement	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 8.04	5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00	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	4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 0.04	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 0.02 0.02 0.02 0.02	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51	7.12 7.12 6.20 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 10.25	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	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 9.57 0.99 0.99 0.09 0.09 0.08 0.08 0.08 0.08	4.83 4.83 4.50 4.43 4.39 4.39 4.39 7.77 1.05 1.05 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
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 East (F)  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 East (F)  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 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	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 8.04	5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00 0.00 7.15	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	4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 0.04	4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 0.02 0.02 0.02 0.02	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51	7.12 7.12 6.20 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 10.25	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	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 9.57 0.99 0.99 0.09 0.09 0.08 0.08 0.08 0.08	4.83 4.83 4.50 4.43 4.39 4.39 4.39 7.77 1.05 1.05 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
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 East (F)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC Market  10 Min Spin SENY (GHIJK)  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min 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)	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 0.23 7.51	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20	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 0.15 0.15 0.16	4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25	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 1.43 1.43	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 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 10.25 0.24	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	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 9.57 0.99 0.99 0.09 0.08 0.08 0.08 0.08 0.26	4.83 4.83 4.50 4.43 4.39 4.39 4.39 7.77 1.05 1.05 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 East (F)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min West (ABCDE)  Regulation  RTC Market  10 Min Spin SENY (GHIJK)  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch East (F)  10 Min Non Synch East (F)  10 Min Non Synch East (F)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min SENY (GHIJK)  30 Min West (ABCDE)  Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin SENY (GHIJK)  10 Min Spin SENY (GHIJK)	7.09 7.09 7.09 6.28 6.47 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 7.51 7.51	5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 8.19 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 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	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 0.15 0.25	4.93 4.93 4.77 4.83 4.68 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25	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 1.43 1.40 1.00	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.93 0.93 7.51 0.23	7.12 7.12 6.20 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 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 0.15 0.24	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 8.57 0.99 0.29 0.09 0.08 0.08 0.08 0.26	4.83 4.83 4.50 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 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 SENY (GHIJK) 10 Min Non Synch East (F) 10 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation  RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 30 Min SENY (GHIJK) 10 Min Non Synch Mest (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 6.23 6.23 6.24 0.45 0.45 0.45 0.45 0.45 0.45 0.45 0.4	5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 8.19 0.59 0.26 0.00 0.00 0.00 0.00 0.00 6.86 0.21 1.12 1.12 0.58 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 7.15 0.20 1.73 1.73 0.48 0.22	6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.15 0.25	4.93 4.93 4.77 4.83 4.68 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.04 0.04 0.04 5.43 0.25	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 1.43 1.43 1.40 1.00 0.15	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 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 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 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 0.15 0.15 0.15 0.15 0.24	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.29 0.09 0.08 0.08 0.08 0.08 1.96 1.96 1.96 1.16 0.18	4.83 4.83 4.50 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 0.24	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 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 East (F) 10 Min Spin East (F) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 30 Min East (F) 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 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 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 5.20 8.19 0.59 0.26 0.00 0.00 0.00 0.00 0.00 1.12 1.12 1.12 0.58 0.00 0.00 0.21	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 7.15 0.20 1.73 1.73 0.48 0.22 0.22	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 0.14 0.14 0.14 0.15 0.15 0.15 0.16 0.16 0.17 0.17 0.25	4.93 4.93 4.77 4.83 4.68 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 0.04 5.43 0.25 1.19 1.19 0.79 0.06	4.62 4.62 4.52 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 1.43 1.40 1.00 0.15 0.11	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 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 10.25 0.24	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	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 9.57 0.99 0.29 0.09 0.08 0.08 0.08 0.08 1.96 1.96 1.16	4.83 4.83 4.50 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 0.24 2.69 2.29 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 East (F)  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 East (F)  10 Min Spin 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 Heast (F)  10 Min Non Synch SENY (GHIJK)  10 Min Spin Heast (F)  10 Min Non Synch East (F)	7.09 7.09 7.09 6.28 6.47 6.47 6.47 6.23 6.23 6.23 9.39 1.53 1.53 0.42 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 4.26	5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 8.19 0.59 0.26 0.00 0.00 0.00 0.00 0.00 6.86 0.21	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	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 2.13 4.34 4.34 4.22 1.20 0.26	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25	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 6.09 0.23	6.41 6.41 5.78 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 3.48 3.48 3.48 3.49 3.49 3.48 3.48 3.48 3.48 3.48 3.49	7.12 7.12 6.20 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 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 0.30 0.21 0.21 0.15 0.15 0.15 0.15 0.24 0.25 0.24	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 8.57 0.99 0.99 0.09 0.09 0.08 0.08 0.08 6.86 6.26 1.96 1.16 0.18	4.83 4.83 4.50 4.43 4.39 4.39 4.39 7.77 1.05 1.05 0.82 2.00 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
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 SENY (GHIJK) 10 Min Non Synch East (F) 10 Min SENY (GHIJK) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation  RTC Market 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Spin SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Spin West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin East (F) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch East (F) 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 6.23 6.23 6.23 7.51 7.51 7.51 4.17 4.26 4.26 1.89 0.06	5.38 5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 8.19  0.59 0.26 0.00 0.00 0.00 0.00 0.00 1.12 1.12 0.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 7.15 0.20 1.73 1.73 1.73 0.48 0.22 0.22 0.00 0.00	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 0.14 0.14 0.14 0.14 0.14 0.15 0.16 0.16 0.17 0.25	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.23 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	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 1.43 1.40 1.00 0.15 0.11 0.01	6.41 6.41 5.78 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 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 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 0.21 0.15 0.15 0.15 0.15 0.15 0.24 1.59 0.90 0.59 0.21 0.21 0.29	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.09 0.09 0.08 0.08 0.08 0.08 0.26	4.83 4.83 4.50 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 0.24 2.69 2.69 2.29 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 East (F)  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 East (F)  10 Min Spin 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 Heast (F)  10 Min Non Synch SENY (GHIJK)  10 Min Spin Heast (F)  10 Min Non Synch East (F)	7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39 1.53 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 0.01 0.01 2.01 2.01 2.01	5.38 5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 8.19  0.59 0.26 0.00 0.00 0.00 0.00 0.00 1.12 1.12 1.12	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 1.73 0.48 0.22 0.22 0.00 0.00 0.00 0.00	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 0.14 0.14 0.15 0.15 0.16 0.17 0.17 0.25 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 6.35	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  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 0.03 0.03 0.03	4.62 4.62 4.52 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 1.40 1.00 0.15 0.11 0.04 0.04	6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 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	7.12 7.12 6.20 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 10.25 0.24 8.04 7.68 4.72 6.70 6.34 3.56 6.70 6.34 3.56 3.48 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 0.21 0.15 0.15 0.15 5.52 0.24 1.59 1.59 0.59 0.59 0.21 0.21 0.21	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 8.57 0.99 0.99 0.09 0.09 0.08 0.08 0.08 6.86 6.26 1.96 1.16 0.18	4.83 4.83 4.50 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 0.24 2.69 2.29 0.00 0.00 0.00 0.00	4.89 4.89 4.73 4.49 4.49 4.43 4.43 13.80  1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 16.70 0.26  3.18 3.18 2.33 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 East (F)  30 Min SENY (GHIJK)  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 East (F)  10 Min Spin East (F)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch SENY (GHIJK)  30 Min East (F)  30 Min Sent (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 Spin West (ABCDE)  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 6.23 6.23 6.23 7.51 7.51 7.51 4.17 4.26 4.26 1.89 0.06	5.38 5.38 5.38 5.25 5.25 5.20 5.20 5.20 5.20 8.19  0.59 0.26 0.00 0.00 0.00 0.00 0.00 1.12 1.12 0.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 7.15 0.20 1.73 1.73 1.73 0.48 0.22 0.22 0.00 0.00	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 0.14 0.14 0.14 0.14 0.14 0.15 0.16 0.16 0.17 0.25	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.23 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	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 1.43 1.40 1.00 0.15 0.11 0.01	6.41 6.41 5.78 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 6.15 6.15 6.15 8.61 7.26 6.88 4.80 6.06 5.67 3.80 3.65 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 0.21 0.15 0.15 0.15 0.15 0.15 0.24 1.59 0.90 0.59 0.21 0.21 0.29	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57 0.99 0.29 0.09 0.08 0.08 0.08 6.86 0.26	4.83 4.83 4.50 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 0.24 2.69 2.69 2.29 0.00 0.00	4.89 4.89 4.73 4.49 4.43 4.43 4.43 13.80 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 16.70 0.26 3.18 3.18 3.18 3.18 3.18 3.18 3.18
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 East (F)  10 Min Non Synch East (F)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  10 Min Spin SENY (GHIJK)  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Non Synch East (F)  10 Min Non Synch East (F)  10 Min Non Synch East (F)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  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 Non Synch SENY (GHIJK)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Sent (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 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 0.01 0.01	5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 8.19 0.59 0.26 0.00 0.00 0.00 0.00 6.86 0.21 1.12 1.12 1.12 0.58 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 7.15 0.20 1.73 1.73 1.73 0.48 0.22 0.22 0.00	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 2.13 1.20 1.20 1.20 0.25 0.25 0.25	4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.23 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	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 1.43 1.40 1.00 0.15 0.11	6.41 6.41 5.78 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.49 3.49 3.49 3.49 3.49 3.49 3.49 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.48 3.49 3.48	7.12 7.12 6.20 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 3.56 3.48	5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 7.00 0.61 0.30 0.21 0.16 0.15 0.15 0.15 0.15 0.24 1.59 0.90 0.59 0.21 0.21 0.21	5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 8.57 0.99 0.09 0.09 0.09 0.08 0.08 0.08 6.86 0.26 1.96 1.16 0.18 0.11	4.83 4.83 4.50 4.43 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

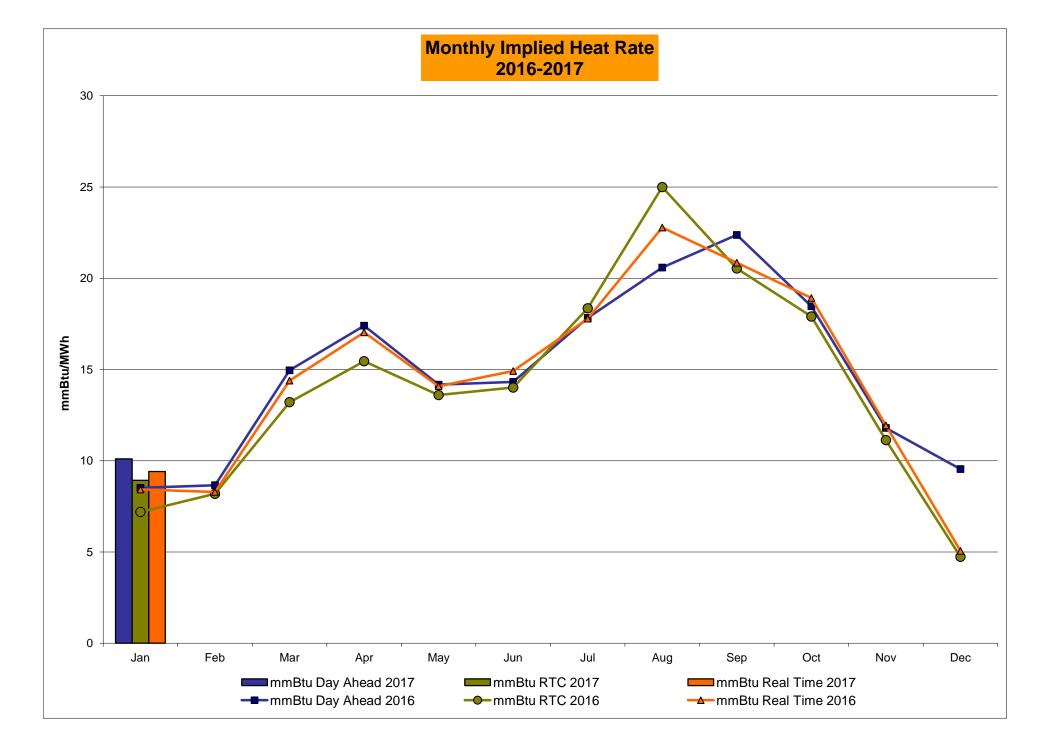


-- Real Time % of unit hours mitigated - 2016

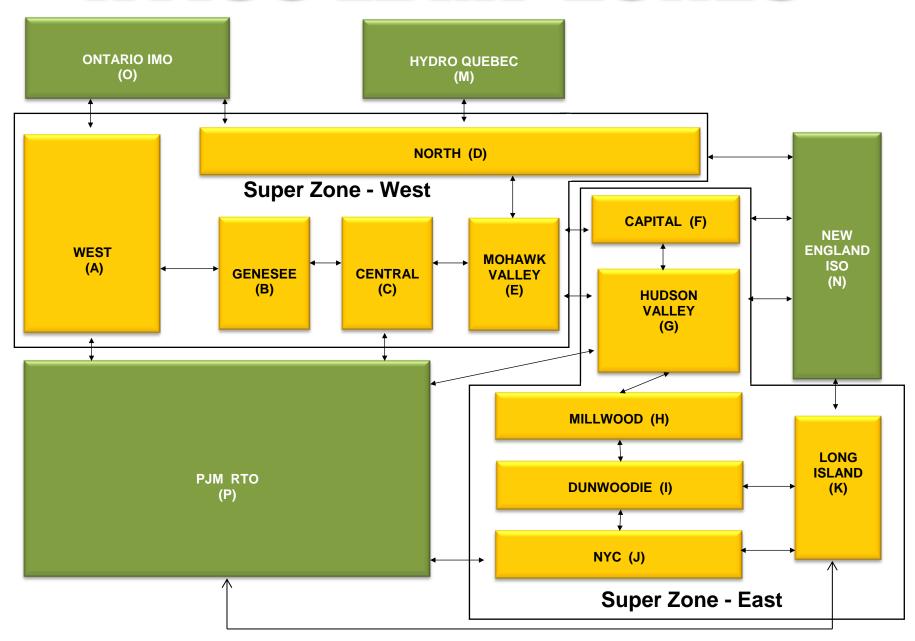
→ DAM % of unit hours mitigated - 2016







## NYISO LBMP ZONES



#### **Billing Codes for Chart C**

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

Market Mitigation and Analysis Prepared: 2/7/2017 4:46 PM The mission of the New York Independent System Operator, in collaboration with its stakeholders, is to serve the public interest and provide benefit to consumers by:

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

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