

# Market Operations Report

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Business Issues Committee Meeting

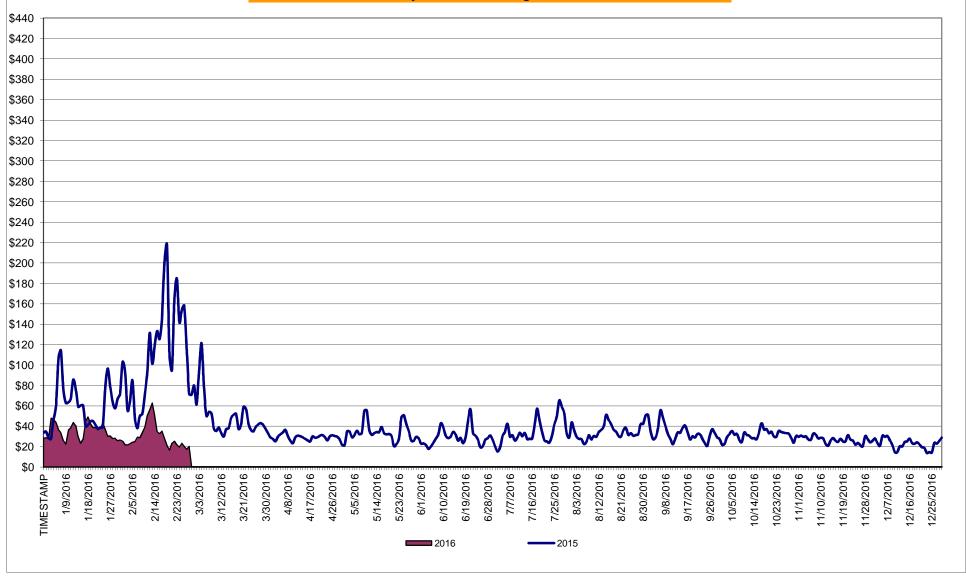
March 17, 2016

# Market Performance Highlights for February 2016

- LBMP for February is \$28.71/MWh; lower than \$34.29/MWh in January 2016 and \$114.37/MWh in February 2015.
  - Day Ahead and Real Time Load Weighted LBMPs are lower compared to January.
- February 2016 average year-to-date monthly cost of \$34.02/MWh is a 61% decrease from \$87.74/MWh in February 2015.
- Average daily sendout is 436 GWh/day in February; lower than 439 GWh/day in January 2016 and 481 GWh/day in February 2015.
- Natural gas prices were lower compared to the previous month and distillate prices were higher compared to the previous month.
  - Natural Gas (Transco Z6 NY) was \$3.01/MMBtu, down from \$3.77/MMBtu in January.
    - Natural gas prices are down 80% year-over-year
  - Jet Kerosene Gulf Coast was \$7.22/MMBtu, up from \$6.95/MMBtu in January.
  - Ultra Low Sulfur No.2 Diesel NY Harbor was \$7.41/MMBtu, up from \$7.05/MMBtu in January.
    - Distillate prices are down 46% year-over-year
- Uplift per MWh is higher compared to the previous month.
  - Uplift (not including NYISO cost of operations) is (\$0.07)/MWh; higher than (\$0.43)/MWh in January.
    - The Local Reliability Share is \$0.11/MWh, higher than \$0.09 in January.
    - The Statewide Share is (\$0.18)/MWh, higher than (\$0.52)/MWh in January.
  - TSA \$ per NYC MWh is \$0.00/MWh.
- Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than January.

#### Daily NYISO Average Cost/MWh (Energy & Ancillary Services)\*

2015 Annual Average \$44.09MWh February 2015 YTD Average \$87.74/MWh February 2016 YTD Average \$34.02/MWh

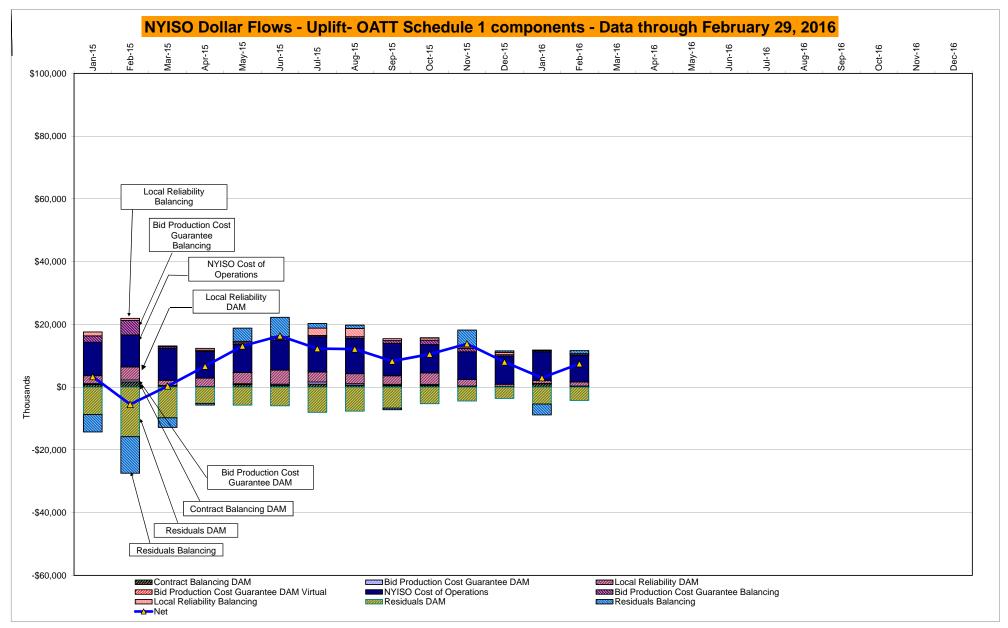


<sup>\*</sup> Excludes ICAP payments.

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

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
LBMP	34.29	28.71										
NTAC	0.59	0.78										
Reserve	0.77	0.73										
Regulation	0.12	0.12										
NYISO Cost of Operations	0.64	0.65										
FERC Fee Recovery	0.09	0.10										
Uplift	(0.43)	(0.07)										
Uplift: Local Reliability Share	0.09	0.11										
Uplift: Statewide Share	(0.52)	(0.18)										
Voltage Support and Black Start	0.35	0.36										
Avg Monthly Cost	36.42	31.37										
Avg YTD Cost	36.42	34.02										
TSA \$ per NYC MWh	0.00	0.00										
2015	January	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	59.61	114.37	52.09	28.36	32.98	28.20	34.77	33.09	34.40	30.03	24.80	20.90
NTAC	0.32	0.35	0.41	0.64	0.56	0.80	0.54	0.60	0.63	0.54	0.68	1.06
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	0.70	0.70	0.69
Uplift	(0.48)	(1.08)	(0.68)	(0.15)	0.26	0.33	0.04	0.03	(0.15)	0.11	0.40	(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	0.19	0.12
Uplift: Statewide Share	(0.73)	(1.41)	(0.81)	(0.42)	(0.05)	(0.04)	(0.30)	(0.33)	(0.37)	(0.22)	0.21	(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	32.17	27.58	23.70
Avg YTD Cost	60.91	87.74	76.64	66.82	60.96	56.02	52.77	50.20	48.59	47.17	45.65	44.09
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
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-	January	February	March	April	<u>May</u>	<u>June</u>	<u>July</u>	August	September 27.02	October 25.04	November 40.00	<u>December</u>
LBMP NTAC	183.36 0.56	123.19 0.64	109.58 0.39	46.09	40.30	43.39 0.78	43.97	34.48	37.63	35.61 0.57	42.89	38.08
Reserve	0.56	0.64	0.59	1.18	0.69 0.28	0.76	0.43 0.26	0.41 0.26	0.50 0.29	0.57	0.68 0.37	0.86 0.23
Regulation	0.76	0.49	0.30	0.46 0.13	0.28	0.27	0.26	0.20	0.29	0.46	0.37	0.23
NYISO Cost of Operations	0.27	0.21	0.22	0.13	0.12	0.12	0.12	0.13	0.69	0.12	0.11	0.69
Uplift	0.09	0.69	0.09	(0.09)	0.09	(0.21)	(0.26)	(0.19)	(0.20)	(0.24)	(0.40)	(0.20)
Uplift: Local Reliability Share	1.43	0.75	0.62	0.03)	0.51	0.32	0.29	0.13)	0.26	0.24)	0.24	0.13
Uplift: Statewide Share	(1.21)	(0.19)	(0.27)	(0.24)	(0.44)	(0.53)	(0.55)	(0.45)	(0.46)	(0.50)	(0.64)	(0.33)
Voltage Support and Black Start	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Avg Monthly Cost	186.24	126.14		48.82	42.51	45.39	45.57		39.38	37.59	44.71	
Avg Monthly Cost	100.24	120.14	112.15	40.02	42.51	45.59	45.57	36.14	39.30	37.59	44.71	40.09
Avg YTD Cost	186.24	157.93	142.77	121.97	108.36	97.84	89.46	82.60	78.07	74.63	72.06	69.31
TSA \$ per NYC MWh  * Excludes ICAP payments.  Market Mitigation and Application	0.00	0.00	0.00	0.00	0.00	0.03	0.35	0.00	0.42		0.00 true-ups thru Sept	

\* Excludes ICAP payments. Market Mitigation and Analysis Prepared: 3/7/2016 8:01 AM



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

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

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

#### **NYISO Markets Transactions**

<u>2016</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	<u>December</u>
Day Ahead Market MWh	14,760,915	13,614,754										
DAM LSE Internal LBMP Energy Sales	54%	55%										
DAM External TC LBMP Energy Sales	4%	2%										
DAM Bilateral - Internal Bilaterals	34%	34%										
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%										
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	1%										
DAM Bilateral - Wheel Through Bilaterals	2%	2%										
Balancing Energy Market MWh	-522,919	-580,900										
Balancing Energy LSE Internal LBMP Energy Sales	-125%	-114%										
Balancing Energy External TC LBMP Energy Sales	12%	13%										
Balancing Energy Bilateral - Internal Bilaterals	19%	9%										
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%										
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	6%	5%										
Balancing Energy Bilateral - Wheel Through Bilaterals	-12%	-12%										
Transactions Summary												
LBMP	56%	56%										
Internal Bilaterals	36%	36%										
Import Bilaterals	5%	5%										
Export Bilaterals	2%	2%										
Wheels Through	1%	1%										
Market Share of Total Load												
Day Ahead Market	103.7%	104.5%										
Balancing Energy +	-3.7%	-4.5%										
Total MWH	14,237,996	13,033,853										
Average Daily Energy Sendout/Month GWh	439	436										
2015	January	February	March	April	Mav	June	Julv	August	September	October	November	December
2015 Day Ahead Market MWh	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u> 16 573 027	August	September	October	November	December
Day Ahead Market MWh	15,961,306	14,967,371	15,059,207	12,589,321	13,291,917	14,277,299	16,573,027	16,333,932	14,740,907	13,546,033	13,338,332	13,620,002
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales	15,961,306 55%	14,967,371 54%	15,059,207 53%	12,589,321 55%	13,291,917 57%	14,277,299 57%	16,573,027 62%	16,333,932 61%	14,740,907 58%	13,546,033 53%	13,338,332 53%	13,620,002 55%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales	15,961,306 55% 5%	14,967,371 54% 6%	15,059,207 53% 6%	12,589,321 55% 4%	13,291,917 57% 2%	14,277,299 57% 1%	16,573,027 62% 1%	16,333,932 61% 1%	14,740,907 58% 3%	13,546,033 53% 6%	13,338,332 53% 5%	13,620,002 55% 1%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals	15,961,306 55% 5% 35%	14,967,371 54% 6% 33%	15,059,207 53% 6% 33%	12,589,321 55% 4% 33%	13,291,917 57% 2% 35%	14,277,299 57% 1% 33%	16,573,027 62% 1% 30%	16,333,932 61% 1% 31%	14,740,907 58% 3% 31%	13,546,033 53% 6% 34%	13,338,332 53% 5% 33%	13,620,002 55% 1% 35%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals	15,961,306 55% 5% 35% 3%	14,967,371 54% 6% 33% 5%	15,059,207 53% 6% 33% 5%	12,589,321 55% 4% 33% 6%	13,291,917 57% 2% 35% 4%	14,277,299 57% 1% 33% 5%	16,573,027 62% 1% 30% 4%	16,333,932 61% 1% 31% 4%	14,740,907 58% 3% 31% 5%	13,546,033 53% 6% 34% 5%	13,338,332 53% 5% 33% 5%	13,620,002 55% 1% 35% 5%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals	15,961,306 55% 5% 35% 3% 2%	14,967,371 54% 6% 33% 5% 2%	15,059,207 53% 6% 33% 5% 1%	12,589,321 55% 4% 33% 6% 2%	13,291,917 57% 2% 35% 4% 1%	14,277,299 57% 1% 33% 5% 1%	16,573,027 62% 1% 30% 4% 1%	16,333,932 61% 1% 31% 4% 1%	14,740,907 58% 3% 31% 5% 1%	13,546,033 53% 6% 34% 5% 2%	13,338,332 53% 5% 33% 5% 2%	13,620,002 55% 1% 35% 5% 2%
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Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales	15,961,306 55% 5% 35% 38% 2% 0% -650,944 -149%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247%	15,059,207 53% 6% 33% 5% 1% 1% -396,739 -192%	12,589,321 55% 4% 33% 6% 2% 1% -409,205 -147%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345%	13,546,033 53% 6% 34% 5% 2% 1% -595,704 -116%	13,338,332 53% 5% 33% 5% 2% 2% -684,006 -111%	13,620,002 55% 1% 35% 5% 2% 2% -628,903 -116%
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Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	15,961,306 55% 55% 35% 35% 36 2% 0% -650,944 -149% 30% 13% 0% 6%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8%	15,059,207 53% 6% 33% 5% 1% -396,739 -192% 64% 19% 0% 12%	12,589,321 55% 4% 33% 6% 2% 1% -409,205 -147% 36% 5% 0% 12%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 6% 6% 1% 4%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120% 25% 13% 0% 3%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25% 0% 8%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0% 46%	13,546,033 53% 6% 34% 5% 2% 1% -595,704 -116% 13% 0% 5%	-684,006 -111% -5% -684,006 -111% -5% -0%	13,620,002 55% 1% 35% 5% 2% 2% -628,903 -116% 17% 5% 0% 7%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals	15,961,306 55% 55% 35% 35% 2% 0% -650,944 -149% 30% 13% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0%	15,059,207 53% 6% 33% 5% 1% -396,739 -192% 64% 19% 0%	12,589,321 55% 4% 33% 6% 2% 1% -409,205 -147% 36% 5% 0%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 16% 6% 1%	16,573,027 62% 1% 30% 4% 1% -505,637 -120% 25% 13% 0%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25% 0%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0%	13,546,033 53% 6% 34% 5% 2% -595,704 -116% 13% 0%	13,338,332 53% 5% 33% 5% 2% -684,006 -111% 12% 5% 0%	-628,903 -116% -628,903 -116% -5% 0%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary	15,961,306 55% 55% 35% 35% 3% 2% 0% -650,944 -149% 30% 13% 0% 6% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8% 12%	15,059,207 53% 6% 33% 5% 1% 1% -396,739 -192% 64% 19% 0% 12% -4%	12,589,321 55% 4% 33% 6% 2% 1% -409,205 -147% 36% 5% 0% 12% -5%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 6% 1% 4% -22%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120% 25% 13% 0% 3% -21%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25% 0% 8% -44%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0% 46% -149%	13,546,033 53% 6% 34% 5% 2% 1% -595,704 -116% 13% 7% 0% 5% -9%	13,338,332 53% 5% 33% 5% 2% 2% -684,006 -111% 12% 5% 0% 5% -12%	13,620,002 55% 1% 35% 5% 2% 2% -628,903 -116% 17% 5% 0% 7% -13%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP	15,961,306 55% 55% 35% 35% 2% 0% -650,944 -149% 30% 13% 6% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8% 12%	15,059,207 53% 6% 33% 5% 1% 1% -396,739 -192% 64% 19% 0% 12% -4%	12,589,321 55% 4% 33% 6% 2% 1% -409,205 -147% 36% 5% 0% 12% -5%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 16% 6% 1% 4% -22%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120% 25% 13% 0% 3% -21%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25% 0% -44%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0% 46% -149%	13,546,033 53% 6% 34% 5% 2% 1% -595,704 -116% 7% 0% 5% -9%	13,338,332 53% 5% 33% 5% 2% 2% -684,006 -111% 12% 5% 0% 5% -12%	13,620,002 55% 1% 35% 5% 2% 2% -628,903 -116% 17% 5% 0% 7% -13%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals	15,961,306 55% 55% 35% 35% 2% 0% -650,944 -149% 30% 13% 0% 6% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8% 12% 59% 34%	15,059,207 53% 6% 33% 5% 1% 1% -396,739 -192% 64% 19% 0% -4%	12,589,321 55% 4% 33% 6% 2% 1% -409,205 -147% 36% 0% 12% -5% 57% 35%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 6% 6% 1% -22%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120% 25% 13% 0% -21% 61% 32%	16,333,932 61% 1% 31% 4% 1% 22% -228,461 -139% 50% 0% 25% 0% -44%	14,740,907 58% 3% 31% 5% 1% 22% -33,268 -345% 110% 239% 0% 46% -149%	13,546,033 53% 6% 34% 5% 2% 1% -595,704 -116% 13% 0% 5% -9%	13,338,332 53% 5% 33% 5% 2% 2% -684,006 -111% 12% 5% 0% 5% -12%	13,620,002 55% 1% 35% 5% 2% 2% -628,903 -116% 17% 5% 0% -7% -13%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals	15,961,306 55% 55% 35% 35% 38, 2% 0% -650,944 -149% 30% 6% 0% 6% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8% 12% 59% 34% 5%	15,059,207 53% 6% 33% 5% 1% 1% -396,739 -192% 64% 19% 0% -4%	12,589,321 55% 4% 33% 6% 2% 1% -409,205 -147% 36% 0% 12% -5% 57% 35% 6%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9% 58% 36% 4%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 6% 1% 4% -22% 57% 35% 5%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120% 25% 13% 0% -21% 61% 32% 5%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25% 0% -44% 61% 32% 5%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0% 46% -149% 61% 32% 5%	13,546,033 53% 6% 34% 5% 2% 1% -595,704 -116% 13% 7% 0% 5% -9%	13,338,332 53% 5% 33% 5% 2% 2% -684,006 -111% 12% 5% 0% 5% -12%	13,620,002 55% 1% 35% 5% 2% 2% -628,903 -116% 17% 5% 0% 7% -13% 54% 37% 6%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals	15,961,306 55% 55% 35% 35% 38, 2% 0% -650,944 -149% 30% 6% 0% 58% 37% 37% 38, 2%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 0% 8% 12%	15,059,207 53% 6% 33% 5% 1% 1-396,739 -192% 64% 19% 0% -4% 57% 35% 5% 2%	12,589,321 55% 4% 33% 6% 2% 1% -409,205 -147% 36% 5% 0% 12% -5% 57% 35% 6% 2%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9% 58% 36% 4% 2%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 6% 1% 4% -22% 57% 35% 5% 1%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120% 25% 13% 0% -21% 61% 32% 5% 1%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25% 0% -44% 61% 32% 5% 1%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 61% 32% 5% 1%	13,546,033 53% 6% 34% 5% 2% 1% -595,704 -116% 13% 7% 0% 5% -9%	13,338,332 53% 5% 33% 5% 2% 2% -684,006 -111% 12% 5% 0% 5% -12%	13,620,002 55% 1% 35% 5% 2% 2% -628,903 -116% 17% 5% 0% 7% -13% 54% 37% 6% 2%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through	15,961,306 55% 55% 35% 35% 38, 2% 0% -650,944 -149% 30% 6% 0% 6% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8% 12% 59% 34% 5%	15,059,207 53% 6% 33% 5% 1% 1% -396,739 -192% 64% 19% 0% -4%	12,589,321 55% 4% 33% 6% 2% 1% -409,205 -147% 36% 0% 12% -5% 57% 35% 6%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9% 58% 36% 4%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 6% 1% 4% -22% 57% 35% 5%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120% 25% 13% 0% -21% 61% 32% 5%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25% 0% -44% 61% 32% 5%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0% 46% -149% 61% 32% 5%	13,546,033 53% 6% 34% 5% 2% 1% -595,704 -116% 13% 7% 0% 5% -9%	13,338,332 53% 5% 33% 5% 2% 2% -684,006 -111% 12% 5% 0% 5% -12%	13,620,002 55% 1% 35% 5% 2% 2% -628,903 -116% 17% 5% 0% 7% -13% 54% 37% 6%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through	15,961,306 55% 55% 35% 35% 3% 2% 0% -650,944 -149% 30% 6% 0% 58% 37% 37% 38% 22% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8% 12% 59% 34% 5% 2% 1%	15,059,207 53% 6% 33% 5% 1% -396,739 -192% 64% 19% 0% 12% -4% 57% 35% 5% 2% 1%	12,589,321 55% 4% 33% 6% 2% -409,205 -147% 36% 5% 0% 12% -5% 57% 35% 6% 2% 0%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9% 58% 36% 4% 2% 0%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 6% 4% -22% 57% 35% 5% 1% 1%	16,573,027 62% 1% 30% 4% 1% -505,637 -120% 25% 13% 0% -21% 61% 32% 5% 1%	16,333,932 61% 1% 31% 4% 2% -228,461 -139% 50% 25% 0% -44% 61% 32% 5% 1%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0% 46% -149% 61% 32% 5% 1% 1%	13,546,033 53% 6% 34% 5% 2% 1% -595,704 -116% 7% 0% 5% -9% 56% 36% 5% 2% 0%	13,338,332 53% 5% 33% 5% 2% -684,006 -111% 12% 5% 0% -5% -12%	13,620,002 55% 1% 35% 5% 2% 2% -628,903 -116% 17% 5% 0% 7% -13% 54% 37% 6% 2% 1%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market	15,961,306 55% 55% 35% 35% 3% 2% 0% -650,944 -149% 30% 6% 0% 58% 37% 3% 2% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8% 12% 59% 34% 5% 2% 1%	15,059,207 53% 6% 33% 5% 1% -396,739 -192% 64% 19% 0% 12% -4% 57% 35% 5% 2% 1%	12,589,321 55% 4% 33% 6% 2% 10% -409,205 -147% 36% 5% 0% 12% -5% 57% 35% 6% 2% 0% 103.4%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9% 58% 36% 4% 2% 0%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 6% 1% 4% -22% 57% 35% 5% 1% 1%	16,573,027 62% 1% 30% 4% 1% -505,637 -120% 25% 13% 0% 32% 51% 52% 1%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25% 0% 8% -44% 61% 32% 5% 1%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0% 46% -149% 61% 32% 5% 1% 1%	13,546,033 53% 6% 34% 5% 2% 1% -595,704 -116% 13% 7% 0% 5% -9% 56% 36% 5% 2% 0%	13,338,332 53% 5% 33% 5% 2% -684,006 -111% 12% 5% 0% 5% -12% 56% 35% 6% 2% 1%	13,620,002 55% 1% 35% 5% 2% 2% -628,903 -116% 17% 5% 0% 7% -13% 54% 37% 6% 2% 11% 104.8%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market  Balancing Energy +	15,961,306 55% 55% 35% 35% 36 2% 0% -650,944 -149% 30% 63% 0% 68% 0% 58% 37% 37% 38% 2% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8% 12% 59% 34% 5% 2% 1%	15,059,207 53% 6% 33% 5% 1% -396,739 -192% 64% 19% 0% 12% -4% 57% 35% 5% 2% 1%	12,589,321 55% 4% 33% 6% 2% -409,205 -147% 36% 5% 0% 12% -5% 57% 35% 6% 2% 0% 103.4% -3.4%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9% 58% 36% 4% 2% 0% 102.6% -2.6%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 6% 1% 4% -22% 57% 35% 5% 1% 1% 104.0% -4.0%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120% 25% 13% 0% 32% 52% 54% 1% 103.1% -3.1%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25% 0% 8% -44% 61% 32% 5% 1% 1%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0% 46% -149% 61% 32% 5% 1% 1% 100.2% -0.2%	13,546,033 53% 6% 34% 5% 2% 1% -595,704 -116% 13% 7% 0% 5% -9% 56% 36% 36% 0% 0%	13,338,332 53% 5% 33% 5% 2% 2% -684,006 -111% 12% 5% 0% 5% -12% 56% 35% 6% 2% 1%	13,620,002 55% 1% 35% 5% 2% 2% -628,903 -116% 17% 5% 0% 7% -13% 54% 37% 6% 2% 1% 104.8% -4.8%
Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Transactions Summary  LBMP  Internal Bilaterals  Import Bilaterals  Export Bilaterals  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market	15,961,306 55% 55% 35% 35% 36 2% 0% -650,944 -149% 30% 63% 0% 68% 0% 58% 37% 37% 38% 2% 0%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14% 0% 8% 12% 59% 34% 5% 2% 1%	15,059,207 53% 6% 33% 5% 1% -396,739 -192% 64% 19% 0% 12% -4% 57% 35% 5% 2% 1%	12,589,321 55% 4% 33% 6% 2% 10% -409,205 -147% 36% 5% 0% 12% -5% 57% 35% 6% 2% 0% 103.4%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6% 0% 10% -9% 58% 36% 4% 2% 0%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 6% 1% 4% -22% 57% 35% 5% 1% 1%	16,573,027 62% 1% 30% 4% 1% -505,637 -120% 25% 13% 0% 32% 51% 52% 1%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25% 0% 8% -44% 61% 32% 5% 1% 1%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239% 0% 46% -149% 61% 32% 5% 1% 1% 100.2% -0.2%	13,546,033 53% 6% 34% 5% 2% 1% -595,704 -116% 13% 7% 0% 5% -9% 56% 36% 5% 2% 0%	13,338,332 53% 5% 33% 5% 2% 2% -684,006 -111% 12% 5% 0% 5% -12% 56% 35% 6% 2% 1%	13,620,002 55% 1% 35% 5% 2% 2% -628,903 -116% 17% 5% 0% 7% -13% 54% 37% 6% 2% 1% 104.8% -4.8%

<sup>+</sup> Balancing Energy: Load(MW) purchased at Real Time LBMP.

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

Virtual Transactions are not reflected in this chart.

<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.

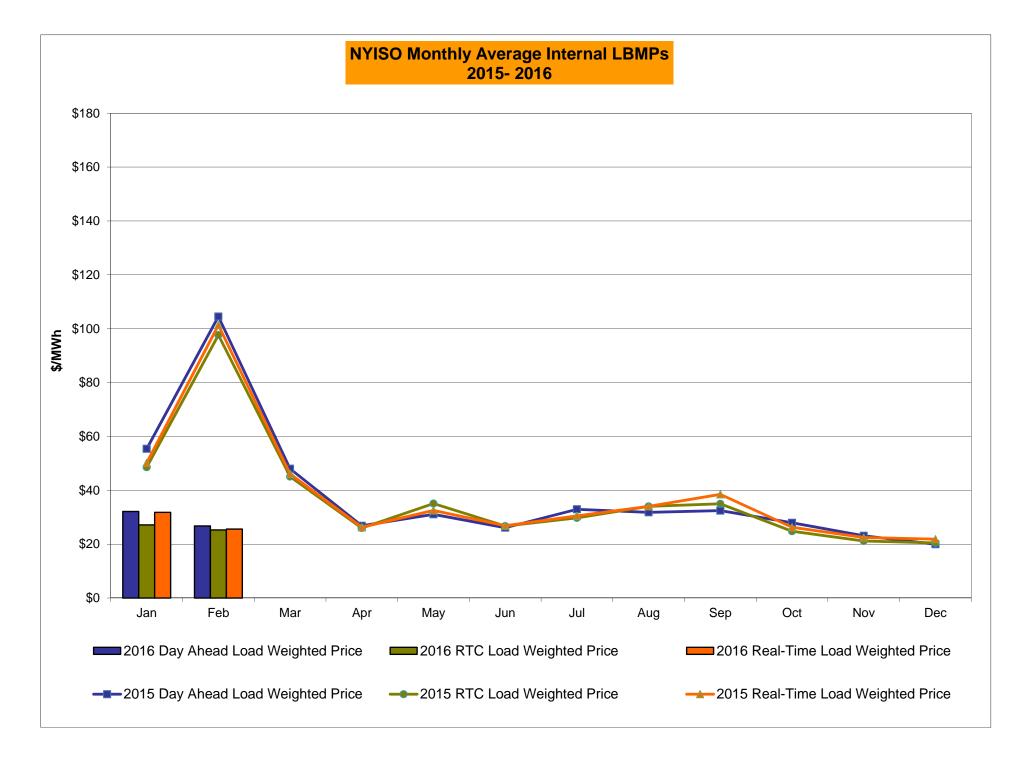
#### **NYISO Markets 2016 Energy Statistics**

	<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 D	Decembe
DAY AHEAD LBMP											
Price *	\$31.01	\$25.76									
Standard Deviation	\$10.86	\$12.46									
Load Weighted Price **	\$32.13	\$26.75									
RTC LBMP											
Price *	\$26.12	\$24.10									
Standard Deviation	\$16.06	\$17.89									
Load Weighted Price **	\$27.16	\$25.29									
REAL TIME LBMP											
Price *	\$30.15	\$24.28									
Standard Deviation	\$60.09	\$18.19									
Load Weighted Price **	\$31.80	\$25.61									
Average Daily Energy Sendout/Month GWh	439	436									

#### NYISO Markets 2015 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 [	<u>December</u>
DAY AHEAD LBMP												
Price *	\$53.35	\$101.48	\$46.59	\$26.07	\$29.21	\$24.30	\$30.27	\$30.01	\$30.18	\$27.11	\$22.18	\$18.94
Standard Deviation	\$24.61	\$48.85	\$21.51	\$6.73	\$13.44	\$11.96	\$17.67	\$12.05	\$13.37	\$7.64	\$7.94	\$8.41
Load Weighted Price **	\$55.40	\$104.52	\$48.01	\$26.84	\$31.08	\$26.12	\$32.94	\$31.81	\$32.46	\$27.95	\$23.12	\$19.97
RTC LBMP												
Price *	\$46.98	\$95.06	\$43.43	\$25.11	\$32.85	\$24.73	\$27.51	\$31.83	\$32.39	\$23.97	\$20.07	\$19.34
Standard Deviation	\$22.84	\$47.55	\$29.42	\$12.31	\$35.40	\$24.71	\$21.84	\$23.25	\$22.99	\$10.56	\$15.66	\$14.23
Load Weighted Price **	\$48.59	\$97.62	\$45.10	\$26.00	\$35.08	\$26.73	\$29.76	\$34.04	\$34.99	\$24.79	\$21.17	\$20.46
REAL TIME LBMP												
Price *	\$48.51	\$98.83	\$44.38	\$25.46	\$30.39	\$23.96	\$27.71	\$31.54	\$34.82	\$25.50	\$21.33	\$20.75
Standard Deviation	\$25.99	\$52.53	\$29.07	\$12.66	\$31.69	\$31.14	\$23.42	\$26.51	\$34.85	\$12.56	\$18.76	\$19.00
Load Weighted Price **	\$50.18	\$101.34	\$46.10	\$26.28	\$32.52	\$26.86	\$30.50	\$34.05	\$38.48	\$26.29	\$22.47	\$21.86
Average Daily Energy Sendout/Month GWh	462	481	436	387	409	450	512	511	473	389	396	408

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

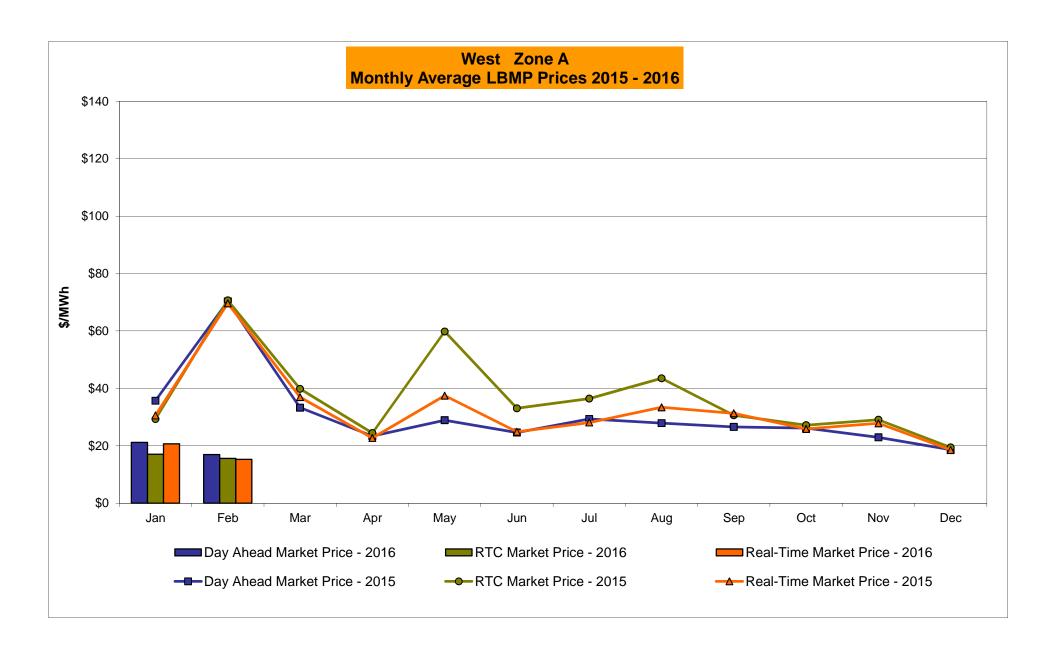


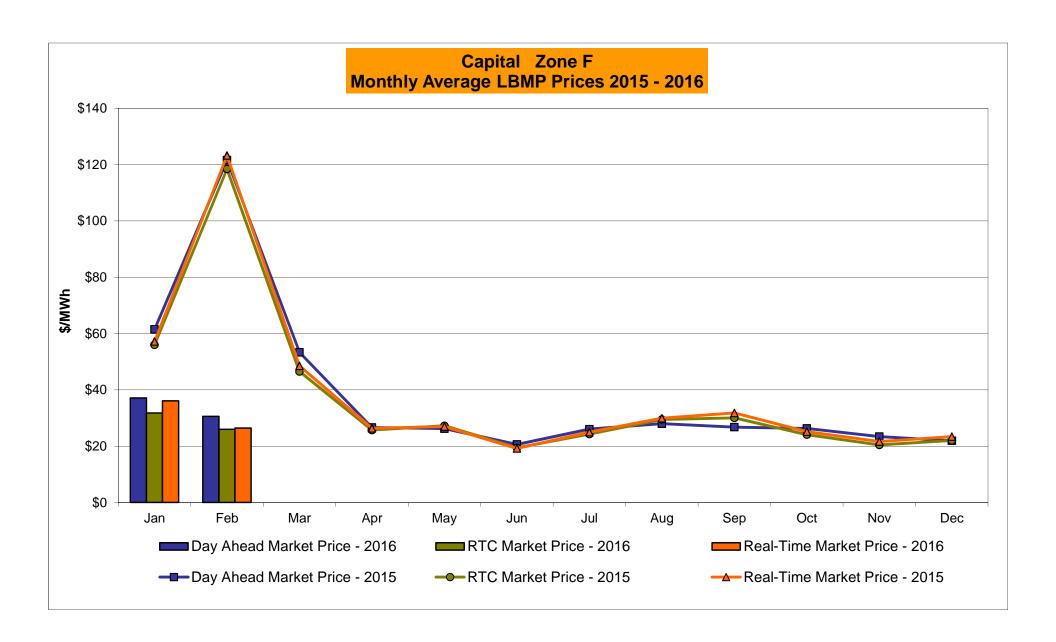
#### February 2016 Zonal LBMP Statistics for NYISO (\$/MWh)

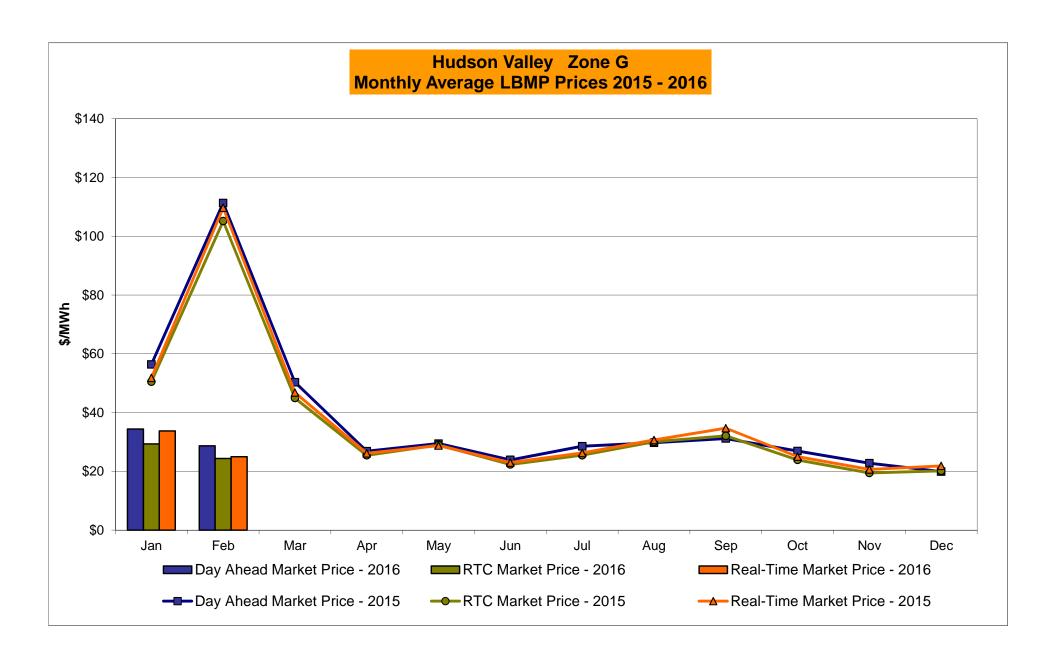
	WEST	GENESEE	NORTH	CENTRAL	MOHAWK VALLEY	CAPITAL	HUDSON VALLEY	MILLWOOD	DUNWOODIE	NEW YORK CITY	LONG ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP				<u> </u>							
Unweighted Price *	16.96	16.96	15.96	17.63	19.23	30.57	28.68	28.90	28.84	29.61	33.08
Standard Deviation	7.42	7.43	7.88	7.75	8.64	15.80	13.96	14.08	14.02	15.65	17.39
RTC LBMP											
Unweighted Price *	15.60	15.32	14.78	16.13	17.33	25.96	24.39	24.53	24.45	28.09	34.80
Standard Deviation	21.71	11.13	12.23	11.57	12.25	16.64	15.11	15.22	15.15	30.93	35.60
REAL TIME LBMP											
Unweighted Price *	15.25	15.56	15.42	16.44	17.61	26.42	24.97	25.10	25.03	28.62	34.52
Standard Deviation	13.07	13.21	14.48	13.07	13.98	18.61	16.73	16.85	16.77	28.59	40.45
		HYDRO	HYDRO			CROSS					
	ONTARIO	QUEBEC	QUEBEC	D IM	NEW	SOUND	NORTHPORT-	NEDTUNE	LINDEN VET	HUDSON	Donnicon
	ONTARIO IESO	QUEBEC	_	РЈМ	NEW ENGLAND	SOUND CABLE	NORWALK	NEPTUNE Controllable	LINDEN VFT	HUDSON	Dennison
	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)			SOUND CABLE Controllable	NORWALK Controllable	Controllable	Controllable	Controllable	Controllable
DAY AHEAD LBMP		QUEBEC	QUEBEC	PJM Zone P	ENGLAND	SOUND CABLE	NORWALK	_			
DAY AHEAD LBMP Unweighted Price *	<b>Zone O</b> 16.25	QUEBEC (Wheel)  Zone M  15.15	QUEBEC (Import/Export)  Zone M  15.15	<b>Zone P</b> 23.13	ENGLAND	SOUND CABLE Controllable Line	NORWALK Controllable	Controllable	Controllable	Controllable	Controllable Line 15.73
	IESO Zone O	QUEBEC (Wheel)	QUEBEC (Import/Export)	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> 16.25	QUEBEC (Wheel)  Zone M  15.15	QUEBEC (Import/Export)  Zone M  15.15	<b>Zone P</b> 23.13	ENGLAND  Zone N  29.79	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line 29.80	Controllable Line 29.59	Controllable Line 29.36	Controllable Line 15.73
Unweighted Price * Standard Deviation	IESO  Zone O  16.25 7.04	QUEBEC (Wheel) Zone M 15.15 8.06	QUEBEC (Import/Export)  Zone M  15.15 8.06	Zone P 23.13 11.47 22.92	<b>ENGLAND Zone N</b> 29.79 14.95	SOUND CABLE Controllable Line 31.74 15.29	NORWALK Controllable Line 30.94 14.62	29.80 13.99 23.15	29.59 15.80	29.36 15.09	15.73 7.80
Unweighted Price * Standard Deviation  RTC LBMP	Zone O 16.25 7.04	QUEBEC (Wheel) Zone M 15.15 8.06	QUEBEC (Import/Export) Zone M 15.15 8.06	<b>Zone P</b> 23.13 11.47	<b>Zone N</b> 29.79 14.95	SOUND CABLE Controllable Line 31.74 15.29	NORWALK Controllable Line 30.94 14.62	Controllable Line 29.80 13.99	Controllable Line 29.59 15.80	Controllable Line 29.36 15.09	Controllable Line 15.73 7.80
Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price * Standard Deviation  REAL TIME LBMP	IESO  Zone O  16.25 7.04  14.60 10.74	QUEBEC (Wheel) Zone M 15.15 8.06 13.09 12.04	QUEBEC (Import/Export)  Zone M  15.15 8.06  13.09 12.04	23.13 11.47 22.92 48.80	29.79 14.95 25.99 17.70	SOUND CABLE Controllable Line 31.74 15.29 26.70 19.47	NORWALK Controllable Line 30.94 14.62 26.14 19.04	29.80 13.99 23.15 16.71	29.59 15.80 27.66 31.87	29.36 15.09 28.24 40.87	15.73 7.80 14.50 11.94
Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price * Standard Deviation	IESO  Zone O  16.25 7.04	QUEBEC (Wheel) Zone M 15.15 8.06	QUEBEC (Import/Export)  Zone M  15.15 8.06	Zone P 23.13 11.47 22.92	<b>ENGLAND Zone N</b> 29.79 14.95	SOUND CABLE Controllable Line 31.74 15.29	NORWALK Controllable Line 30.94 14.62	29.80 13.99 23.15	29.59 15.80	29.36 15.09	15.73 7.80

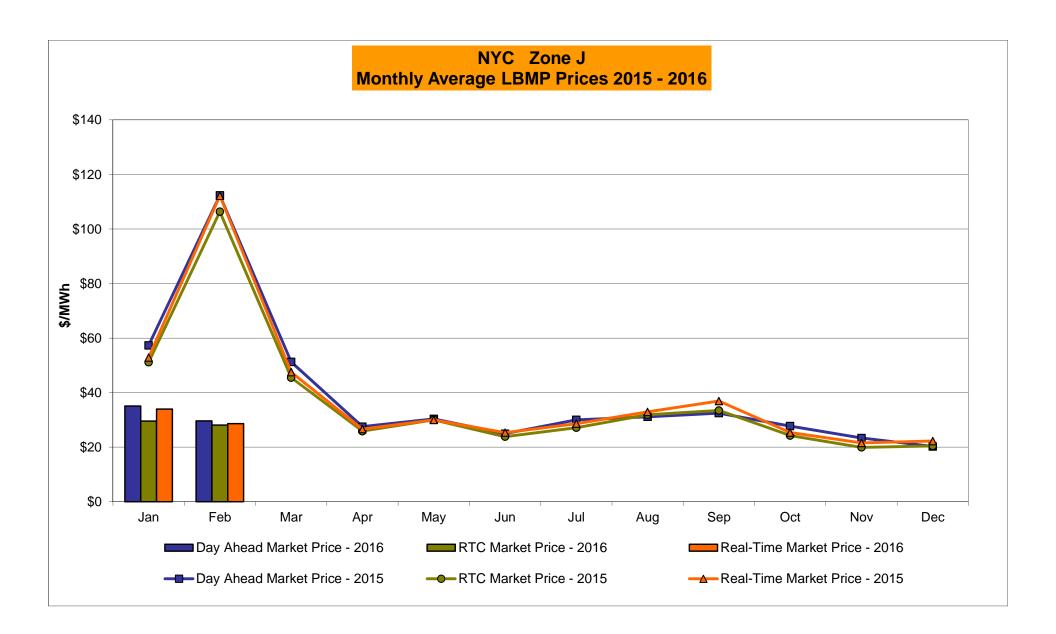
Market Mitigation and Analysis Prepared: 3/4/2016 1:04 PM

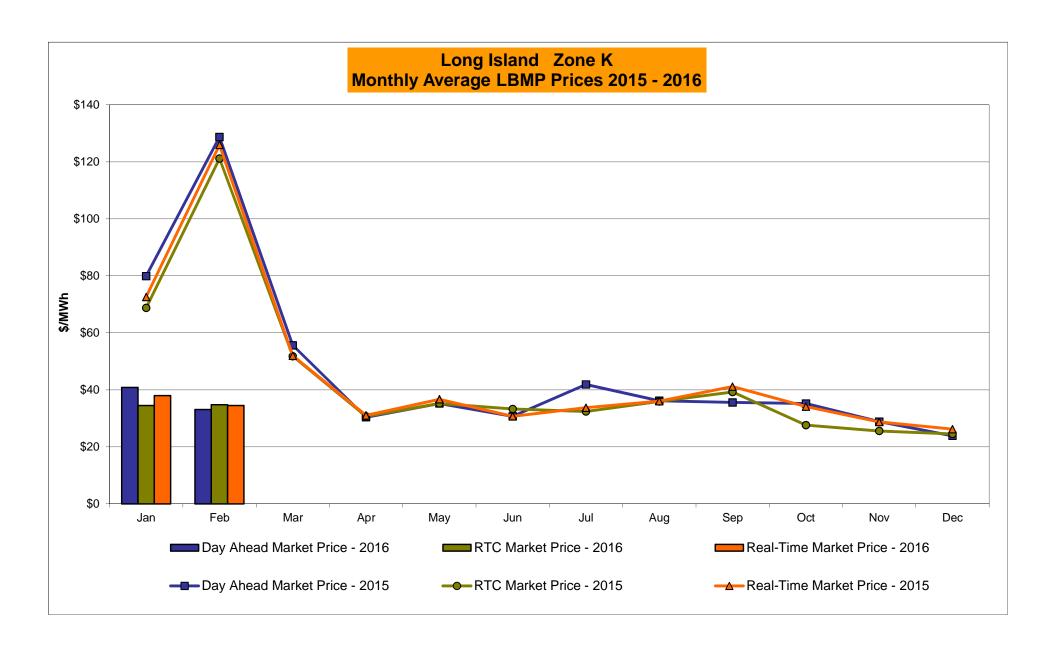
<sup>\*</sup> Straight LBMP averages

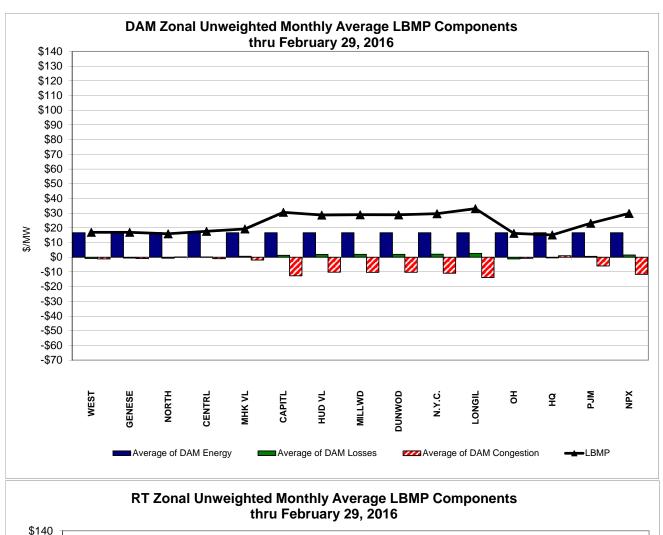


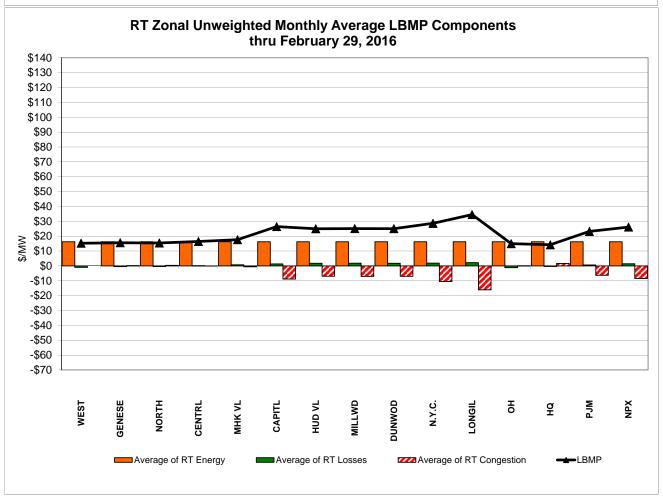




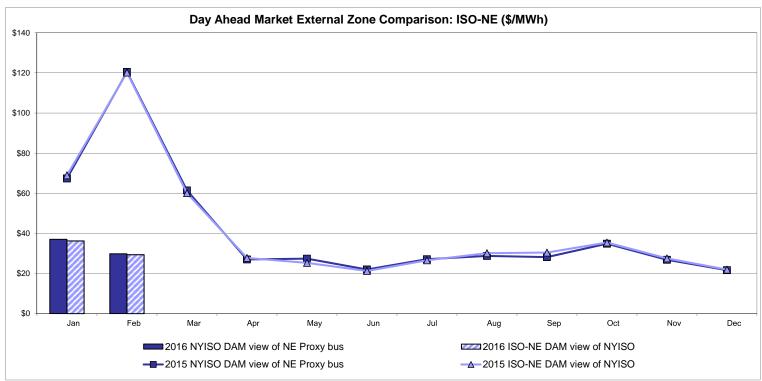


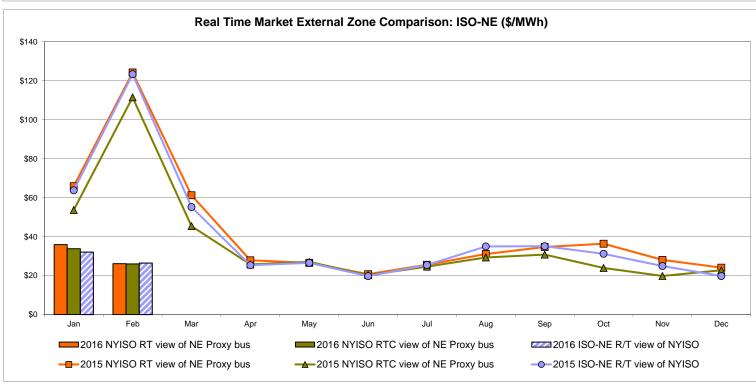




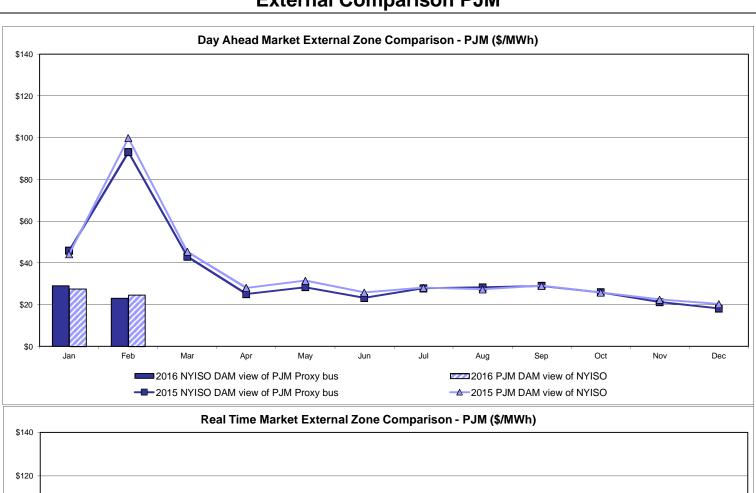


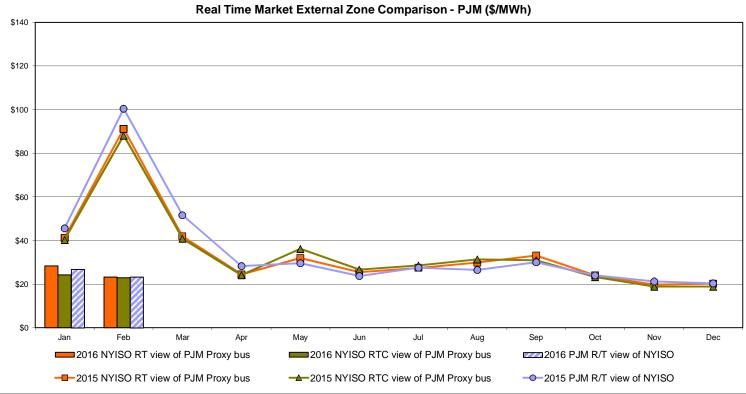
## **External Comparison ISO-New England**



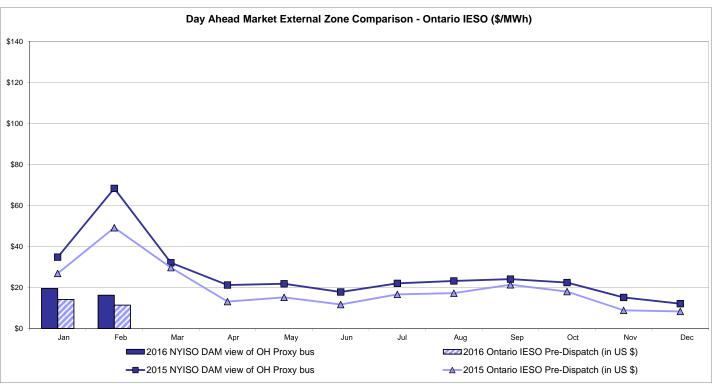


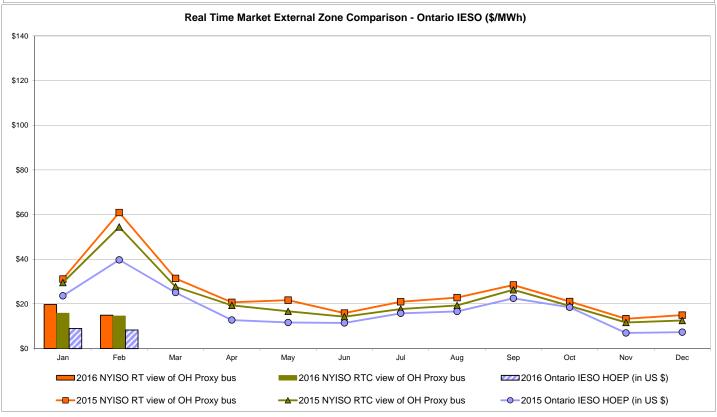
## **External Comparison PJM**





### **External Comparison Ontario IESO**

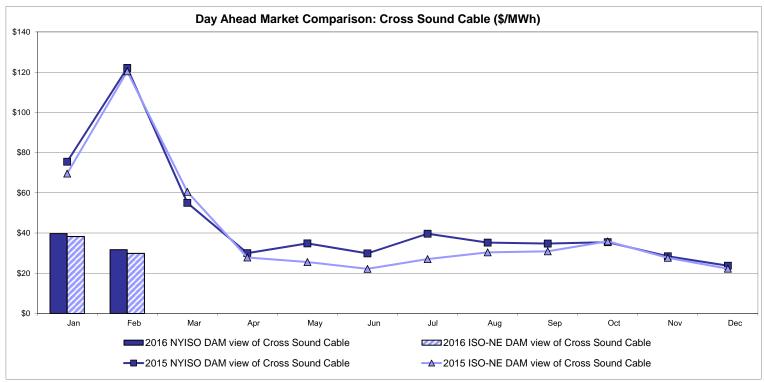


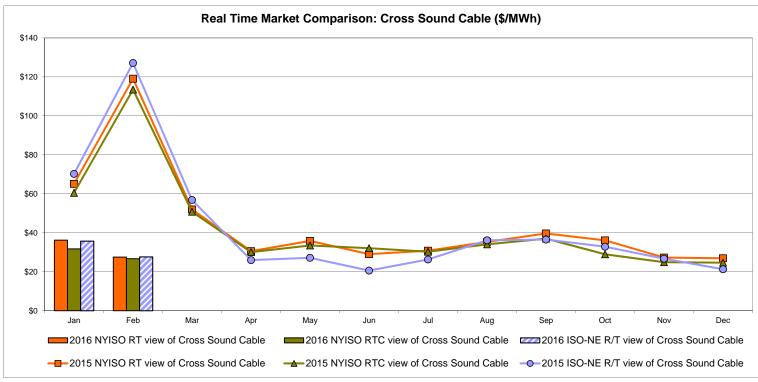


Notes: Exchange factor used for February 2016 was 0.7241 to US

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

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





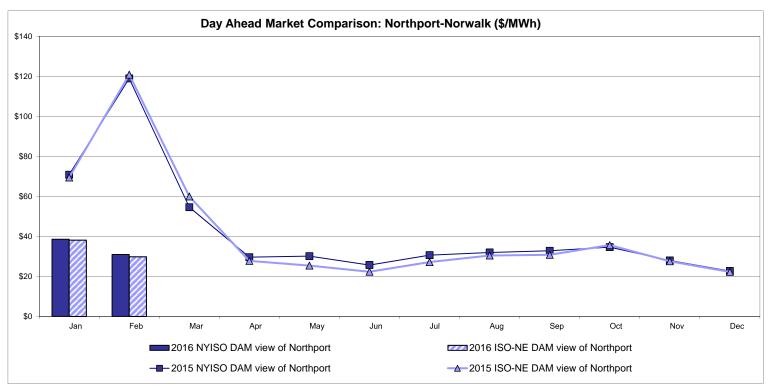
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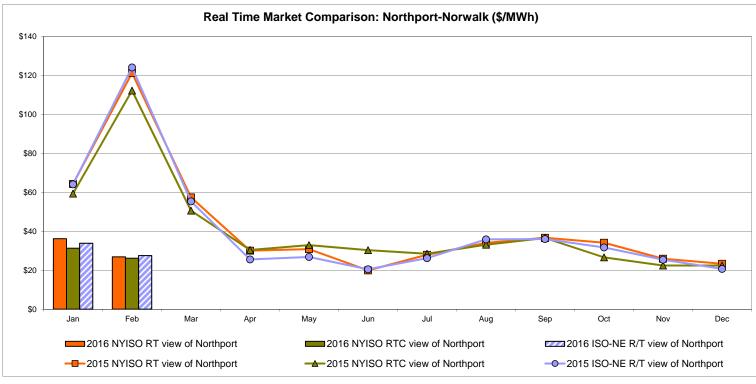
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

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

## **External Controllable Line: Northport - Norwalk (New England)**





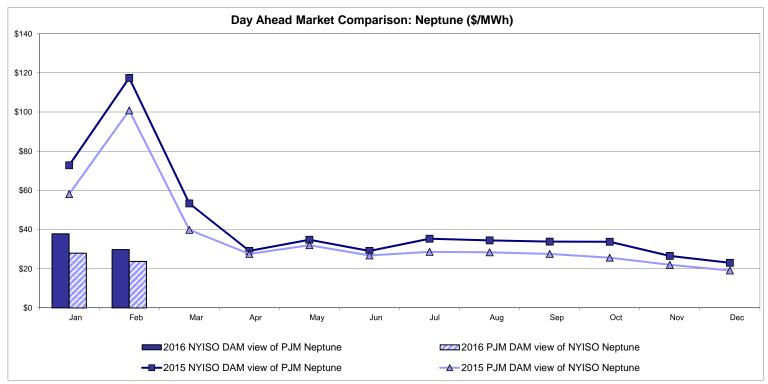
#### Note:

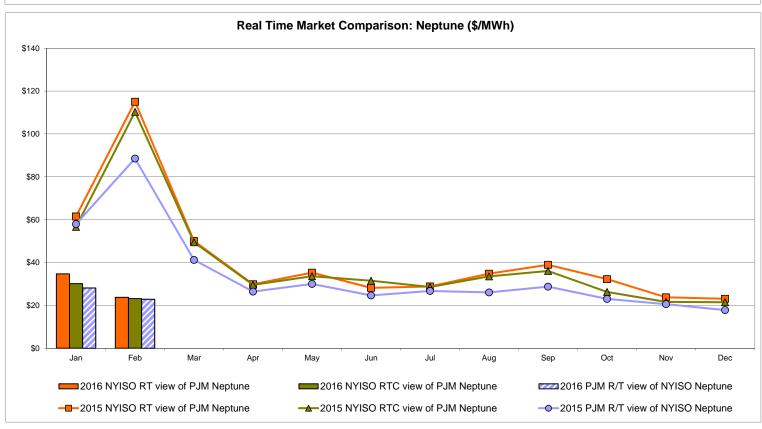
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

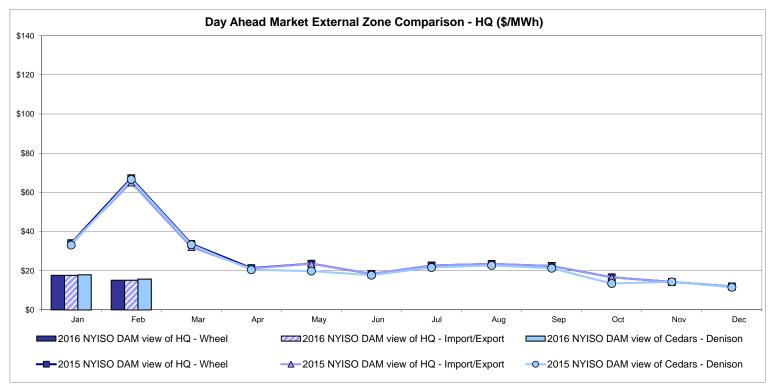
The DAM and R/T prices at the 1385 interface are used for NYISO.

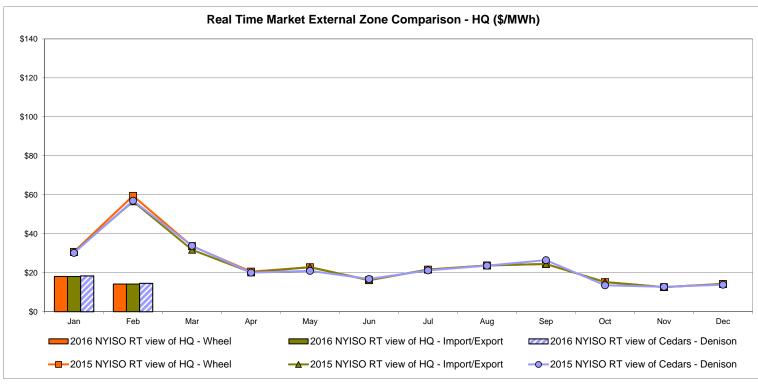
## **External Controllable Line: Neptune (PJM)**





## **External Comparison Hydro-Quebec**

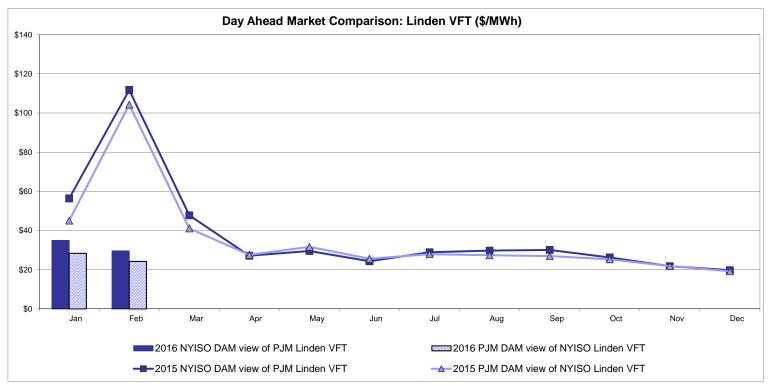


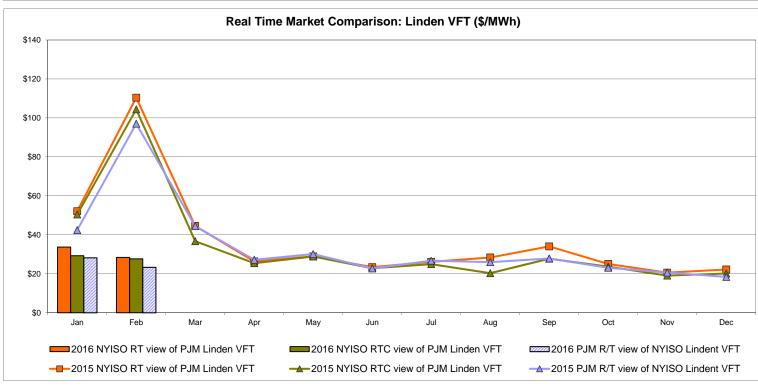


Note:

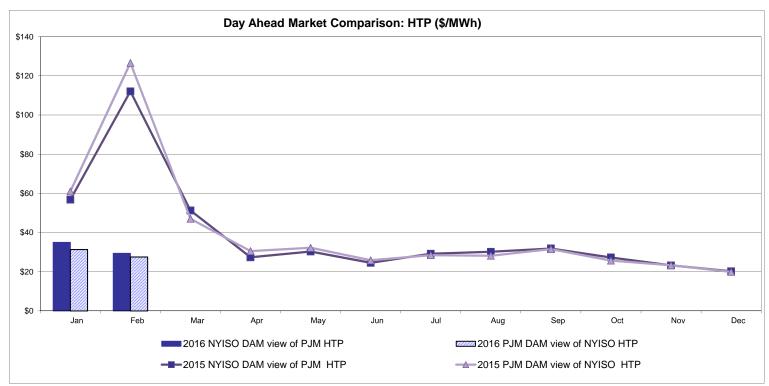
Hydro-Quebec Prices are unavailable.

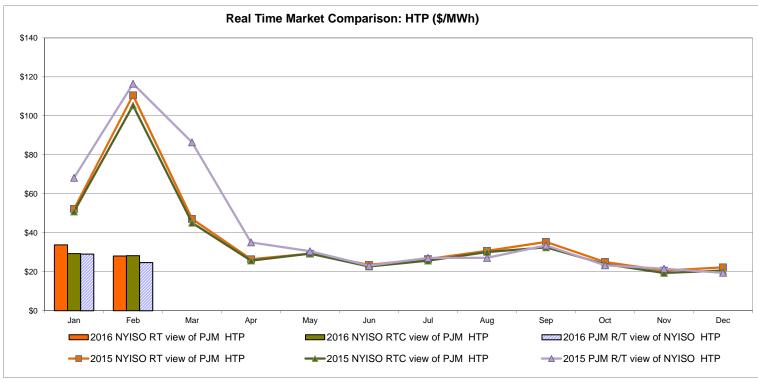
## **External Controllable Line: Linden VFT (PJM)**





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



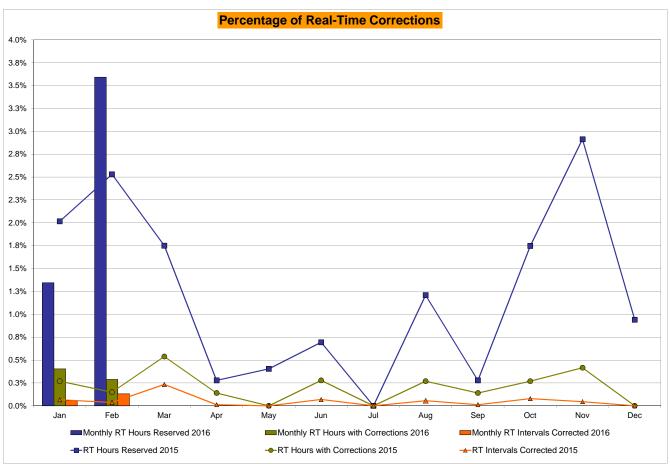


#### **NYISO Real Time Price Correction Statistics**

<u>2016</u>		<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
Hour Corrections		_											
Number of hours with corrections	in the month	3	2										
Number of hours	in the month	744	696										
% of hours with corrections	in the month	0.40%	0.29%										
% of hours with corrections	year-to-date	0.40%	0.35%										
Interval Corrections													
Number of intervals corrected	in the month	5	11										
Number of intervals	in the month	9,000	8,440										
% of intervals corrected	in the month	0.06%	0.13%										
% of intervals corrected	year-to-date	0.06%	0.09%										
Hours Reserved													
Number of hours reserved	in the month	10	25										
Number of hours	in the month	744	696										
% of hours reserved	in the month	1.34%	3.59%										
% of hours reserved	year-to-date	1.34%	2.43%										
Days to Correction *													
Avg. number of days to correction	in the month	2.00	1.50										
Avg. number of days to correction	year-to-date	2.00	1.75										
Days Without Corrections													
Days without corrections	in the month	29	27										
Days without corrections	year-to-date	29	56										
2015		January	February	March	April	May	June	July	August	September	October	November	December
2015 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	December
	in the month	<u>January</u> 2	<u>February</u> 1	March 4	<u>April</u> 1	<u>May</u> 0	<u>June</u> 2	<u>July</u> 0	August 2	September 1	October 2	November 3	December 0
Hour Corrections	in the month	·				<del></del>					·		
Hour Corrections  Number of hours with corrections		2	1	4	1	0	2	0	2	1	2	3	0
Hour Corrections  Number of hours with corrections  Number of hours	in the month	2 744	1 672	4 743	1 720	0 744	2 720	0 744	2 744	1 720	2 744	3 721	0 744
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	2 744 0.27%	1 672 0.15%	4 743 0.54%	1 720 0.14%	0 744 0.00%	2 720 0.28%	0 744 0.00%	2 744 0.27%	1 720 0.14%	2 744 0.27%	3 721 0.42%	0 744 0.00%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month in the month	2 744 0.27%	1 672 0.15%	4 743 0.54%	1 720 0.14%	0 744 0.00%	2 720 0.28%	0 744 0.00%	2 744 0.27%	1 720 0.14%	2 744 0.27%	3 721 0.42%	0 744 0.00%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections	in the month in the month year-to-date	2 744 0.27% 0.27%	1 672 0.15% 0.21%	4 743 0.54% 0.32%	1 720 0.14% 0.28%	0 744 0.00% 0.22%	2 720 0.28% 0.23%	0 744 0.00% 0.20%	2 744 0.27% 0.21%	1 720 0.14% 0.20%	2 744 0.27% 0.21%	3 721 0.42% 0.22%	0 744 0.00% 0.21%
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	2 744 0.27% 0.27%	1 672 0.15% 0.21%	4 743 0.54% 0.32%	1 720 0.14% 0.28%	0 744 0.00% 0.22%	2 720 0.28% 0.23%	0 744 0.00% 0.20%	2 744 0.27% 0.21%	1 720 0.14% 0.20%	2 744 0.27% 0.21%	3 721 0.42% 0.22%	0 744 0.00% 0.21%
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 in the month in the month in the month	2 744 0.27% 0.27% 6 9,066	1 672 0.15% 0.21% 3 8,231	4 743 0.54% 0.32% 21 9,005	1 720 0.14% 0.28%	0 744 0.00% 0.22% 0 9,032	2 720 0.28% 0.23% 6 8,731	0 744 0.00% 0.20% 0 9,025	2 744 0.27% 0.21% 5 8,987	1 720 0.14% 0.20%	2 744 0.27% 0.21% 7 9,008	3 721 0.42% 0.22% 4 8,743	0 744 0.00% 0.21% 0 8,975
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	2 744 0.27% 0.27% 6 9,066 0.07%	1 672 0.15% 0.21% 3 8,231 0.04%	4 743 0.54% 0.32% 21 9,005 0.23%	1 720 0.14% 0.28% 1 8,696 0.01%	0 744 0.00% 0.22% 0 9,032 0.00%	2 720 0.28% 0.23% 6 8,731 0.07%	0 744 0.00% 0.20% 0 9,025 0.00%	2 744 0.27% 0.21% 5 8,987 0.06%	1 720 0.14% 0.20% 1 8,728 0.01%	2 744 0.27% 0.21% 7 9,008 0.08%	3 721 0.42% 0.22% 4 8,743 0.05%	0 744 0.00% 0.21% 0 8,975 0.00%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	2 744 0.27% 0.27% 6 9,066 0.07%	1 672 0.15% 0.21% 3 8,231 0.04%	4 743 0.54% 0.32% 21 9,005 0.23%	1 720 0.14% 0.28% 1 8,696 0.01%	0 744 0.00% 0.22% 0 9,032 0.00%	2 720 0.28% 0.23% 6 8,731 0.07%	0 744 0.00% 0.20% 0 9,025 0.00%	2 744 0.27% 0.21% 5 8,987 0.06%	1 720 0.14% 0.20% 1 8,728 0.01%	2 744 0.27% 0.21% 7 9,008 0.08%	3 721 0.42% 0.22% 4 8,743 0.05%	0 744 0.00% 0.21% 0 8,975 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved	in the month in the month year-to-date in the month in the month in the month year-to-date	2 744 0.27% 0.27% 6 9,066 0.07% 0.07%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07%	2 720 0.28% 0.23% 6 8,731 0.07%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06%	0 744 0.00% 0.21% 0 8,975 0.00% 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	2 744 0.27% 0.27% 6 9,066 0.07% 0.07%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06%	0 744 0.00% 0.21% 0 8,975 0.00% 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 the month year-to-date	2 744 0.27% 0.27% 6 9,066 0.07% 0.07%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744	3 721 0.42% 0.22% 4 8,743 0.05% 0.06%	0 744 0.00% 0.21% 0 8,975 0.00% 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	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720 0.69%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0 744 0.00%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744 1.21%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94%
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	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720 0.69%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0 744 0.00%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744 1.21%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94%
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 in the month in the month in the month year-to-date	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02% 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53% 2.26%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75% 2.08%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28% 1.63%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40% 1.38%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720 0.69% 1.27%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0 744 0.00% 1.08%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744 1.21% 1.10%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28% 1.01%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75% 1.08%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91% 1.25%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94% 1.22%
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 in the month	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02% 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53% 2.26%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75% 2.08%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28% 1.63%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40% 1.38%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720 0.69% 1.27%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0 744 0.00% 1.08%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744 1.21% 1.10%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28% 1.01%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75% 1.08%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91% 1.25%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94% 1.22%
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	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02% 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53% 2.26%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75% 2.08%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28% 1.63%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40% 1.38%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720 0.69% 1.27%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0 744 0.00% 1.08%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744 1.21% 1.10%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28% 1.01%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75% 1.08%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91% 1.25%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94% 1.22%

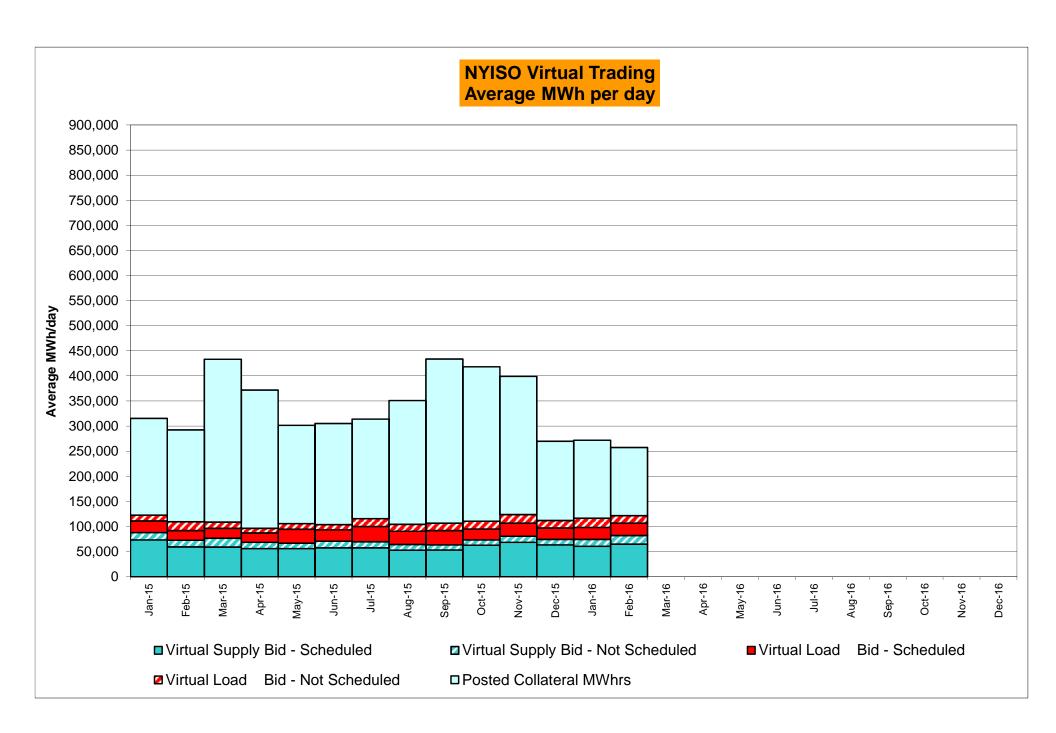
<sup>\*</sup> Calendar days from reservation date.

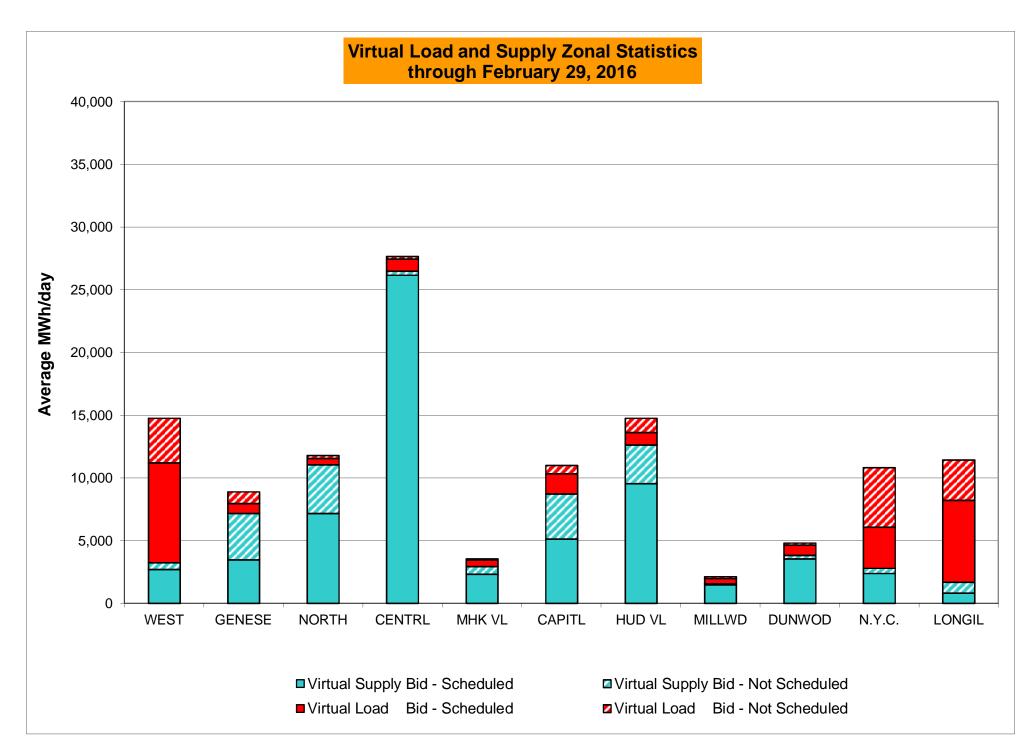
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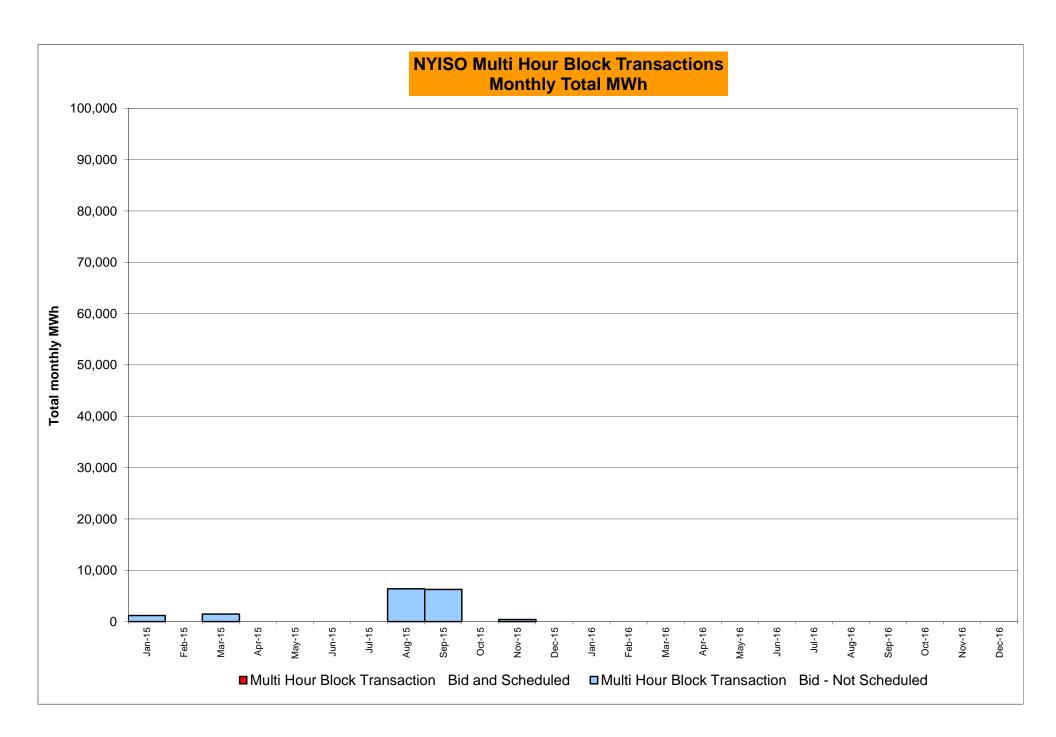
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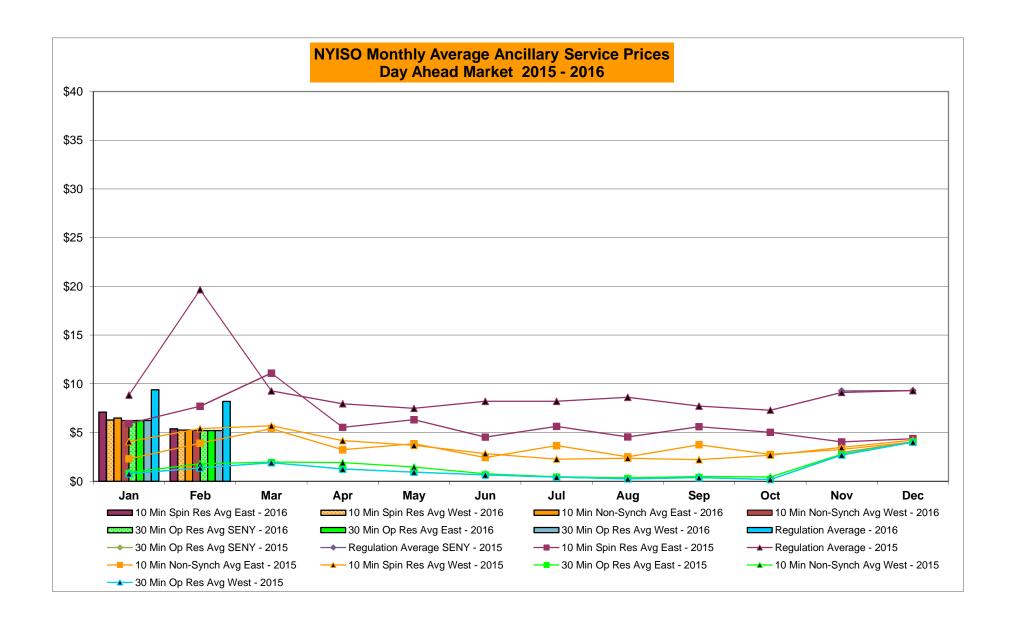


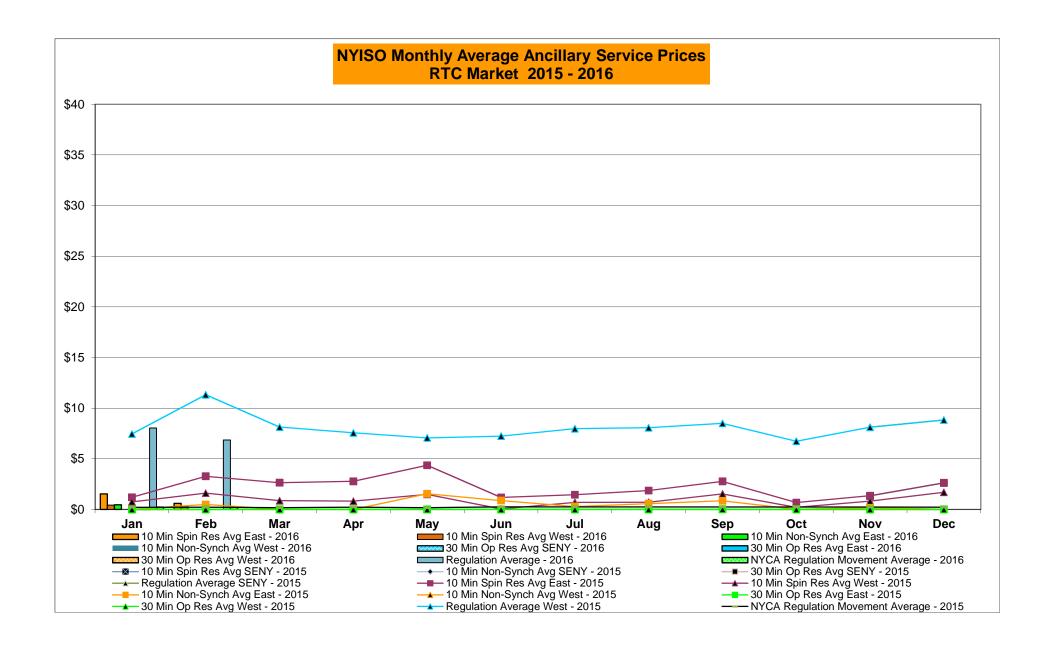


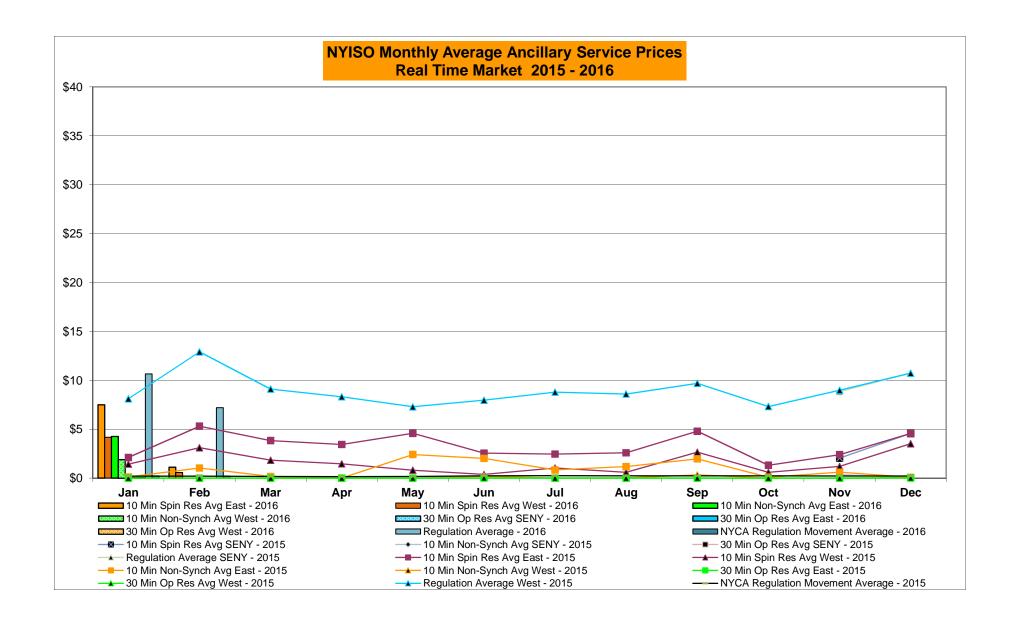
					<u>Virtual L</u>	oad and	l Supp	oly Zonal	Statistic	s (Avera	ge MWh/da	y) - 2016					
		Virtual L	oad Bid	Virtual S	upply Bid			Virtual L	oad Bid	Virtual Su	pply Bid			Virtual L	₋oad Bid	Virtual Su	ıpply Bid
Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled
WEST	Jan-16		4,440	2,862	419	MHK VL	Jan-16		92		146	DUNWOD	Jan-16				61
	Feb-16		3,554	2,706			Feb-16	544	80		611		Feb-16				269
	Mar-16						Mar-16						Mar-16				
	Apr-16						Apr-16						Apr-16				
	May-16						May-16						May-16				
	Jun-16						Jun-16						Jun-16				
	Jul-16						Jul-16						Jul-16				
	Aug-16						Aug-16						Aug-16				
	Sep-16						Sep-16					_	Sep-16				
	Oct-16					_	Oct-16					_	Oct-16				
	Nov-16						Nov-16					_	Nov-16				
	Dec-16						Dec-16						Dec-16				
GENESE	Jan-16	1,030	638	3,868	2,421	CAPITL	Jan-16	2,195	1,472	4,568	3,470	N.Y.C.	Jan-16	2,862	4,976	2,531	648
GLINLOL	Feb-16	795			3,707	CALITE	Feb-16	1,593	684	5,140	3,581	14.1.0.	Feb-16		4,752		403
	Mar-16	733	323	5,401	3,707		Mar-16	1,000	004	3,140	3,301		Mar-16		7,702	2,000	400
	Apr-16						Apr-16					_	Apr-16				
	May-16						May-16						May-16				
	Jun-16						Jun-16						Jun-16				
	Jul-16						Jul-16						Jul-16				
	Aug-16						Aug-16						Aug-16				
	Sep-16						Sep-16						Sep-16				
	Oct-16						Oct-16						Oct-16				
	Nov-16						Nov-16						Nov-16				
	Dec-16						Dec-16						Dec-16				
NORTH	Jan-16	274	312	7,038	3,010	HUD VL	Jan-16	1,036	1,609	6,763	2,202	LONGIL	Jan-16	6,153		700	985
	Feb-16	499	215	7,169	3,894		Feb-16	1,008	1,135	9,550	3,078		Feb-16		3,211	814	869
	Mar-16						Mar-16						Mar-16				
	Apr-16						Apr-16						Apr-16				
	May-16						May-16						May-16				
	Jun-16						Jun-16						Jun-16				
	Jul-16						Jul-16						Jul-16				
	Aug-16						Aug-16					_	Aug-16				
	Sep-16 Oct-16						Sep-16 Oct-16					-	Sep-16 Oct-16				
	Nov-16						Nov-16					$\dashv$	Nov-16				
	Dec-16						Dec-16					=	Dec-16				
	D00 10						D00 10						B00 10				
CENTRL	Jan-16	954	502	25,792	259	MILLWD	Jan-16	304	114	1,211	60	NYISO	Jan-16	24,086	18,132	60,619	13,680
	Feb-16	975	212	26,176	301		Feb-16	403	145	1,477	100		Feb-16	24,407	15,096	64,766	17,335
	Mar-16						Mar-16						Mar-16				
	Apr-16						Apr-16						Apr-16				
	May-16						May-16						May-16				
	Jun-16						Jun-16						Jun-16				
	Jul-16						Jul-16					_	Jul-16				
	Aug-16						Aug-16					$\dashv$	Aug-16				
	Sep-16						Sep-16					$\dashv$	Sep-16				
	Oct-16						Oct-16					$\dashv$	Oct-16				
	Nov-16						Nov-16					-	Nov-16				
	Dec-16						Dec-16						Dec-16		1		

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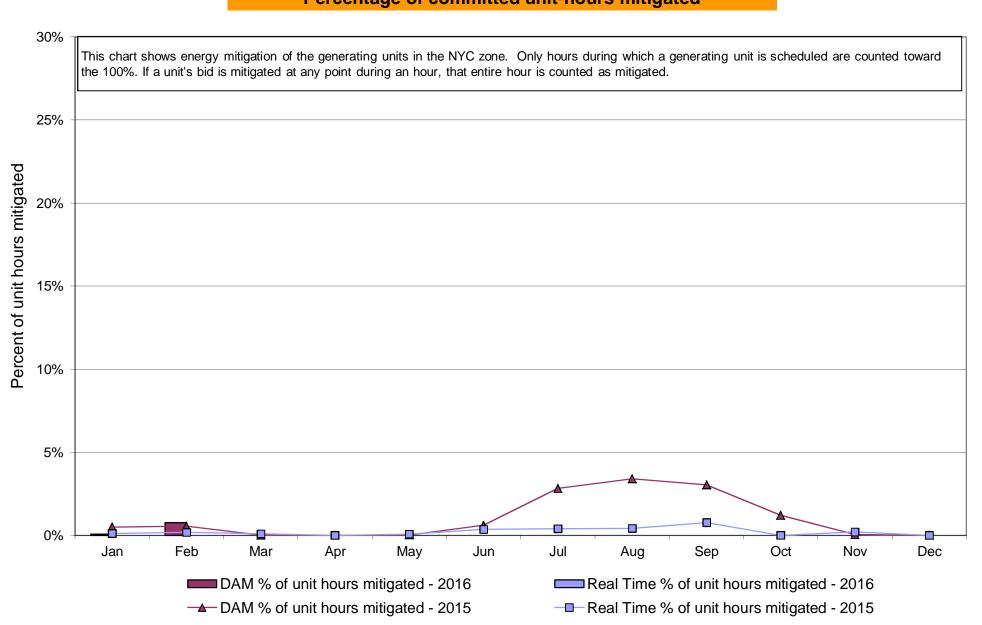


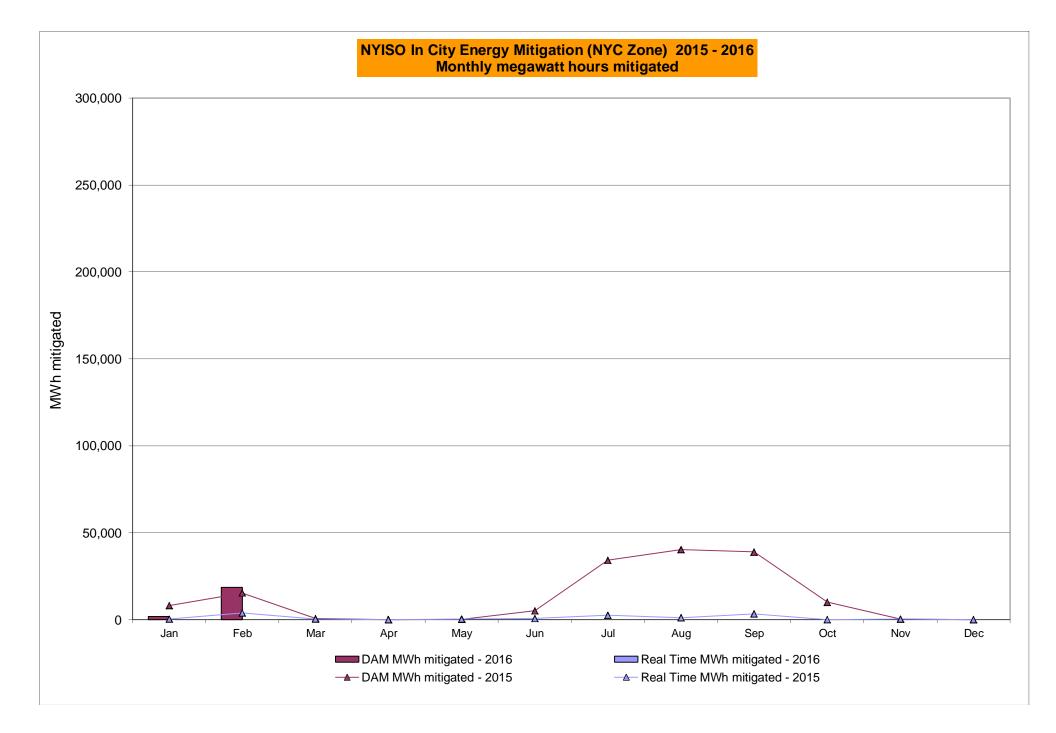


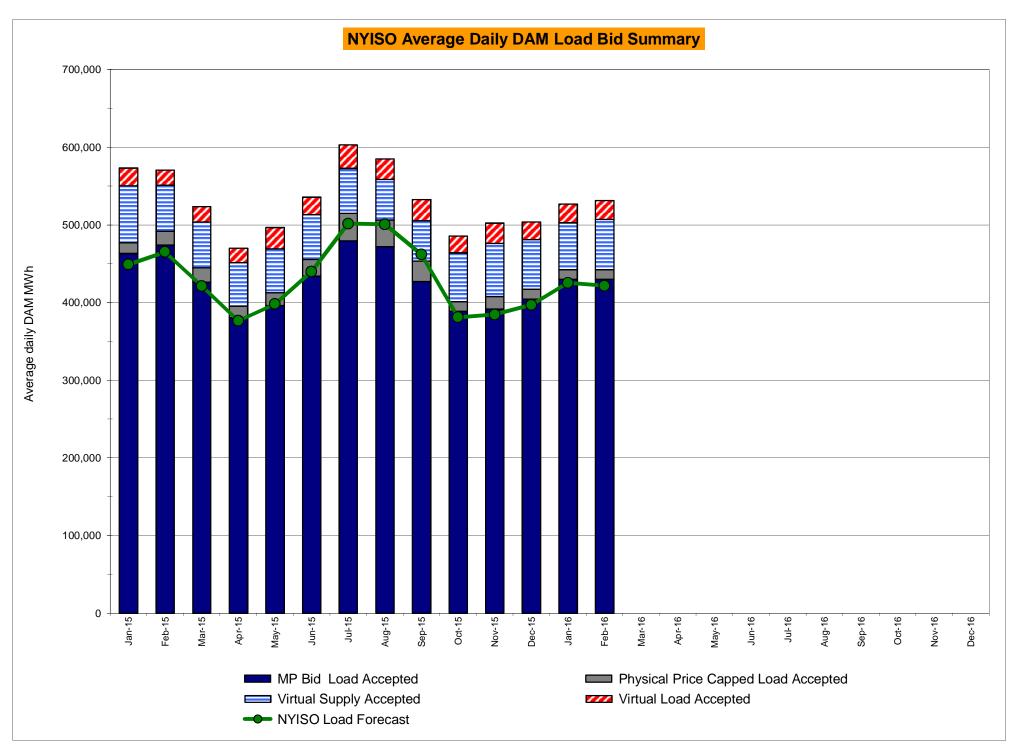
#### NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

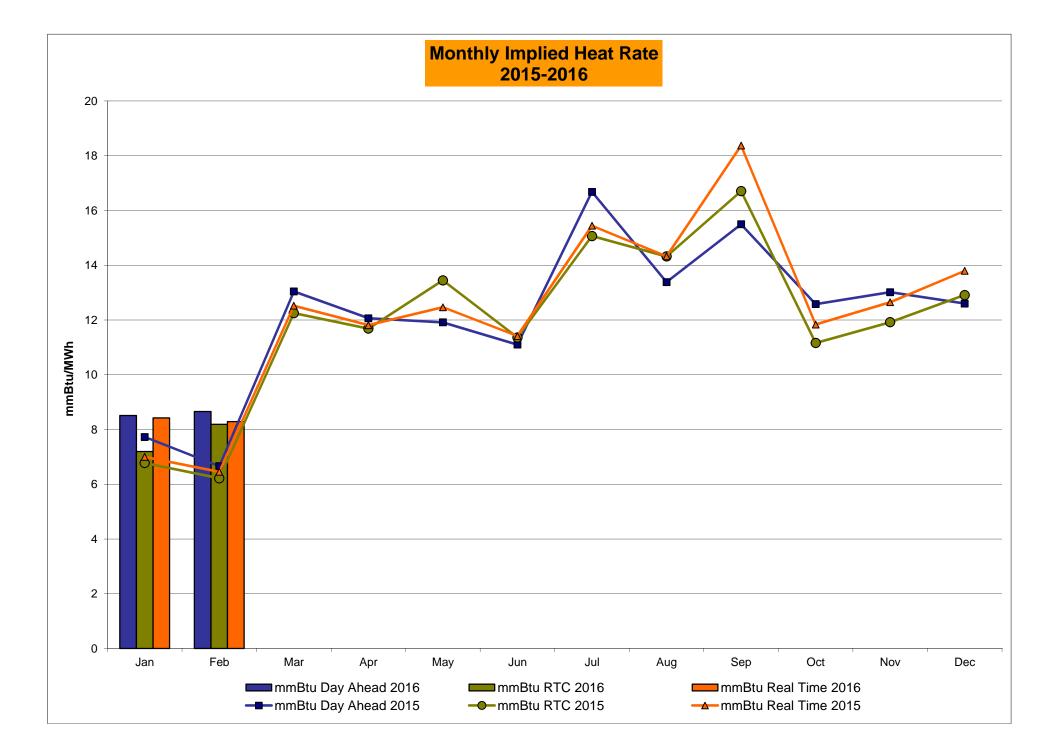
	<u>.</u>	NTISO Wark	<del></del>	,		O.I.II O.I.	<del>, , , , , , , , , , , , , , , , , , , </del>					
2016	<u>January</u>	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	<u>September</u>	October	November	December
Day Ahead Market	<u>ourraury</u>	1 obradij	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	ragaot	<u>ooptonioon</u>	0010001	11010111001	<u> </u>
10 Min Spin East	7.09	5.38										
10 Min Spin West	6.28	5.25										
10 Min Non Synch East	6.47	5.25										
10 Min Non Synch West	6.23	5.20										
30 Min SENY	6.23	5.20										
30 Min East	6.23	5.20										
30 Min West	6.23	5.20										
Regulation	9.39	8.19										
RTC Market												
10 Min Spin East	1.53	0.59										
10 Min Spin West	0.42	0.26										
·												
10 Min Non Synch East	0.45	0.00										
10 Min Non Synch West	0.04	0.00										
30 Min SENY	0.01	0.00										
30 Min East	0.01	0.00										
30 Min West	0.01	0.00										
Regulation	8.04	6.86										
NYCA Regulation Movement	0.23	0.21										
Real Time Market												
10 Min Spin East	7.51	1.12										
10 Min Spin West	4.17	0.58										
10 Min Non Synch East	4.26	0.00										
10 Min Non Synch West	1.89	0.00										
30 Min SENY	0.06	0.00										
30 Min East	0.06	0.00										
30 Min West	0.06	0.00										
Regulation	10.66	7.21										
NYCA Regulation Movement	0.23	0.22										
NYCA Regulation Movement	0.23	0.22										
NYCA Regulation Movement  2015	0.23 <u>January</u>	0.22 <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>
-			<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
<u>2015</u>			<u>March</u> 11.09	<u>April</u> 5.53	<u>May</u> 6.31		<u>July</u> 5.62	August 4.54	September 5.60	October 5.02	November 4.03	·
2015 Day Ahead Market 10 Min Spin East	<u>January</u> 5.92	<u>February</u>		5.53		4.53	5.62	4.54				<u>December</u> 4.36 4.22
2015  Day Ahead Market  10 Min Spin East 10 Min Spin West	<u>January</u> 5.92 4.07	<u>February</u> 7.69 5.40	11.09 5.68	5.53 4.16	6.31 3.69	4.53 2.84	5.62 2.26	4.54 2.36	5.60 2.20	5.02 2.68	4.03 3.47	4.36 4.22
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East	<u>January</u> 5.92 4.07 2.30	7.69 5.40 3.89	11.09 5.68 5.40	5.53 4.16 3.22	6.31 3.69 3.84	4.53 2.84 2.42	5.62 2.26 3.66	4.54 2.36 2.51	5.60 2.20 3.74	5.02 2.68 2.75	4.03 3.47 3.27	4.36 4.22 4.03
2015  Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West	<u>January</u> 5.92 4.07 2.30 0.90	7.69 5.40 3.89 1.79	11.09 5.68 5.40 1.97	5.53 4.16 3.22 1.91	6.31 3.69 3.84 1.45	4.53 2.84 2.42 0.77	5.62 2.26 3.66 0.45	4.54 2.36 2.51 0.36	5.60 2.20 3.74 0.49	5.02 2.68 2.75 0.45	4.03 3.47 3.27 2.77	4.36 4.22 4.03 4.02
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY	January 5.92 4.07 2.30 0.90 N/A	7.69 5.40 3.89 1.79 N/A	11.09 5.68 5.40 1.97 N/A	5.53 4.16 3.22 1.91 N/A	6.31 3.69 3.84 1.45 N/A	4.53 2.84 2.42 0.77 N/A	5.62 2.26 3.66 0.45 N/A	4.54 2.36 2.51 0.36 N/A	5.60 2.20 3.74 0.49 N/A	5.02 2.68 2.75 0.45 N/A	4.03 3.47 3.27 2.77 2.95	4.36 4.22 4.03 4.02 4.02
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East	January 5.92 4.07 2.30 0.90 N/A 0.77	7.69 5.40 3.89 1.79 N/A 1.38	11.09 5.68 5.40 1.97 N/A 1.91	5.53 4.16 3.22 1.91 N/A 1.26	6.31 3.69 3.84 1.45 N/A 0.93	4.53 2.84 2.42 0.77 N/A 0.64	5.62 2.26 3.66 0.45 N/A 0.43	4.54 2.36 2.51 0.36 N/A 0.24	5.60 2.20 3.74 0.49 N/A 0.37	5.02 2.68 2.75 0.45 N/A 0.18	4.03 3.47 3.27 2.77 2.95 2.69	4.36 4.22 4.03 4.02 4.02 4.02
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min East	5.92 4.07 2.30 0.90 N/A 0.77 0.77	7.69 5.40 3.89 1.79 N/A 1.38 1.38	11.09 5.68 5.40 1.97 N/A 1.91	5.53 4.16 3.22 1.91 N/A 1.26 1.26	6.31 3.69 3.84 1.45 N/A 0.93 0.93	4.53 2.84 2.42 0.77 N/A 0.64	5.62 2.26 3.66 0.45 N/A 0.43	4.54 2.36 2.51 0.36 N/A 0.24 0.24	5.60 2.20 3.74 0.49 N/A 0.37 0.37	5.02 2.68 2.75 0.45 N/A 0.18	4.03 3.47 3.27 2.77 2.95 2.69 2.69	4.36 4.22 4.03 4.02 4.02 4.02 4.02
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation	January 5.92 4.07 2.30 0.90 N/A 0.77	7.69 5.40 3.89 1.79 N/A 1.38	11.09 5.68 5.40 1.97 N/A 1.91	5.53 4.16 3.22 1.91 N/A 1.26	6.31 3.69 3.84 1.45 N/A 0.93	4.53 2.84 2.42 0.77 N/A 0.64	5.62 2.26 3.66 0.45 N/A 0.43	4.54 2.36 2.51 0.36 N/A 0.24	5.60 2.20 3.74 0.49 N/A 0.37	5.02 2.68 2.75 0.45 N/A 0.18	4.03 3.47 3.27 2.77 2.95 2.69	4.36 4.22 4.03 4.02 4.02 4.02
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation  RTC Market	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61	5.60 2.20 3.74 0.49 N/A 0.37 0.37	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10	4.36 4.22 4.03 4.02 4.02 4.02 4.02 9.30
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation	5.92 4.07 2.30 0.90 N/A 0.77 0.77	7.69 5.40 3.89 1.79 N/A 1.38 1.38	11.09 5.68 5.40 1.97 N/A 1.91	5.53 4.16 3.22 1.91 N/A 1.26 1.26	6.31 3.69 3.84 1.45 N/A 0.93 0.93	4.53 2.84 2.42 0.77 N/A 0.64	5.62 2.26 3.66 0.45 N/A 0.43	4.54 2.36 2.51 0.36 N/A 0.24 0.24	5.60 2.20 3.74 0.49 N/A 0.37 0.37	5.02 2.68 2.75 0.45 N/A 0.18	4.03 3.47 3.27 2.77 2.95 2.69 2.69	4.36 4.22 4.03 4.02 4.02 4.02 4.02
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation  RTC Market	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61	5.60 2.20 3.74 0.49 N/A 0.37 0.37	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10	4.36 4.22 4.03 4.02 4.02 4.02 4.02 9.30
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation  RTC Market  10 Min Spin East	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10	4.36 4.22 4.03 4.02 4.02 4.02 4.02 9.30
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation  RTC Market  10 Min Spin East  10 Min Spin East  10 Min Spin West	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74	February  7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65  3.27 1.61	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West Regulation  RTC Market  10 Min Spin East  10 Min Spin East  10 Min Spin East  10 Min Spin West	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87	5.62 2.26 3.66 0.45 N/A 0.43 8.20 1.44 0.69 0.28	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81 0.16	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch East	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A	4.03 3.47 3.27 2.77 2.95 2.69 2.69 9.10 1.35 0.81 0.16 0.00 0.00	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation  RTC Market  10 Min Spin East  10 Min Spin East  10 Min Spin East  10 Min Non Synch East  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min SENY	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min East  30 Min East  30 Min West	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West Regulation  RTC Market  10 Min Spin East  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min SENY	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00 7.56	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00 7.97	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00 6.73	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 8.12	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation  RTC Market  10 Min Spin East  10 Min Spin East  10 Min Spin East  10 Min Non Synch East  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min SENY  30 Min East  30 Min West  Regulation  NYCA Regulation Movement	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West Regulation  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min SENY  30 Min East  30 Min West  Regulation  NYCA Regulation Movement  Real Time Market	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00 7.56 0.22	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06 0.16	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24	5.62 2.26 3.66 0.45 N/A 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 7.97 0.25	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00 6.73 0.23	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 8.12 0.22	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83 0.22
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West Regulation  RTC Market  10 Min Spin East  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min SENY  30 Min East  30 Min West  Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin East	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00 7.56 0.22	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06 0.16	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24	5.62 2.26 3.66 0.45 N/A 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 7.97 0.25	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 6.73 0.23	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 0.00 8.12 0.22	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83 0.22
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West Regulation  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin East  10 Min Spin East	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21	February  7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65  3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21  5.31 3.11	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94 2.77 0.81 0.00 0.00 N/A 0.00 0.00 7.56 0.22	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06 0.16	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00 7.97 0.25	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00 6.73 0.23	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 8.12 0.22	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 8.83 0.22
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West Regulation  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch East  10 Min Seny  30 Min East  30 Min West  Regulation  NYCA Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin East  10 Min Spin East  10 Min Spin East	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21	7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65 3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94  2.77 0.81 0.00 0.00 N/A 0.00 7.56 0.22  3.44 1.46 0.01	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06 0.16	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24	5.62 2.26 3.66 0.45 N/A 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 7.97 0.25	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 6.73 0.23	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 0.00 8.12 0.22	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83 0.22
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West Regulation  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation  RTC Market  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin East  10 Min Spin East  10 Min Spin West  10 Min Spin West	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21	February  7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65  3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21  5.31 3.11	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94  2.77 0.81 0.00 0.00 N/A 0.00 7.56 0.22	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 7.06 0.16	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00 7.97 0.25	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 8.07 0.23	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 0.00 6.73 0.23	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 8.12 0.22	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 8.83 0.22
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West Regulation  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch East  10 Min Seny  30 Min East  30 Min West  Regulation  NYCA Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin East  10 Min Spin East  10 Min Spin East	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21	February  7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65  3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21  5.31 3.11 1.03	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94  2.77 0.81 0.00 0.00 N/A 0.00 7.56 0.22  3.44 1.46 0.01	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.00 7.06 0.16	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00 7.97 0.25	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 2.3 2.59 0.59 1.19	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 6.73 0.23	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 0.00 2.22	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83 0.22 4.57 3.53 0.09
2015  Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West Regulation  RTC Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min West  Regulation  RTC Market  10 Min Non Synch East  10 Min Non Synch West  30 Min SENY  30 Min East  30 Min West  Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin East  10 Min Spin East  10 Min Spin West  10 Min Spin West	5.92 4.07 2.30 0.90 N/A 0.77 0.77 8.84 1.20 0.74 0.01 0.00 N/A 0.00 0.00 7.45 0.21	February  7.69 5.40 3.89 1.79 N/A 1.38 1.38 19.65  3.27 1.61 0.48 0.00 N/A 0.00 0.00 11.32 0.21  5.31 3.11 1.03 0.00	11.09 5.68 5.40 1.97 N/A 1.91 1.91 9.27 2.64 0.86 0.01 0.00 N/A 0.00 0.00 8.13 0.16	5.53 4.16 3.22 1.91 N/A 1.26 1.26 7.94  2.77 0.81 0.00 0.00 N/A 0.00 7.56 0.22  3.44 1.46 0.01 0.00	6.31 3.69 3.84 1.45 N/A 0.93 0.93 7.48 4.36 1.48 1.54 0.00 N/A 0.00 0.16 4.59 0.81 2.41 0.00	4.53 2.84 2.42 0.77 N/A 0.64 0.64 8.20 1.18 0.04 0.87 0.00 N/A 0.00 0.00 7.24 0.24 2.56 0.38 2.01 0.19	5.62 2.26 3.66 0.45 N/A 0.43 0.43 8.20 1.44 0.69 0.28 0.00 N/A 0.00 0.00 7.97 0.25	4.54 2.36 2.51 0.36 N/A 0.24 0.24 8.61 1.86 0.70 0.57 0.00 N/A 0.00 0.00 8.07 0.23	5.60 2.20 3.74 0.49 N/A 0.37 0.37 7.71 2.76 1.53 0.84 0.02 N/A 0.02 0.02 8.49 0.24	5.02 2.68 2.75 0.45 N/A 0.18 0.18 7.29 0.67 0.20 0.01 0.00 N/A 0.00 6.73 0.23	4.03 3.47 3.27 2.77 2.95 2.69 9.10 1.35 0.81 0.16 0.00 0.00 0.00 0.00 8.12 0.22	4.36 4.22 4.03 4.02 4.02 4.02 9.30 2.62 1.68 0.01 0.00 0.00 0.00 0.00 8.83 0.22 4.57 3.53 0.09 0.05

## NYISO In City Energy Mitigation - AMP (NYC Zone) 2015 - 2016 Percentage of committed unit-hours mitigated

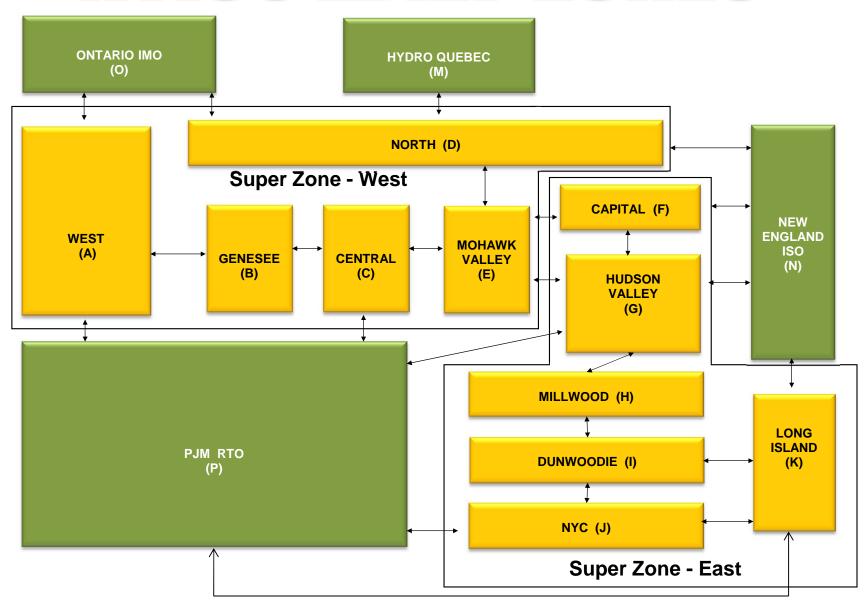








## NYISO LBMP ZONES



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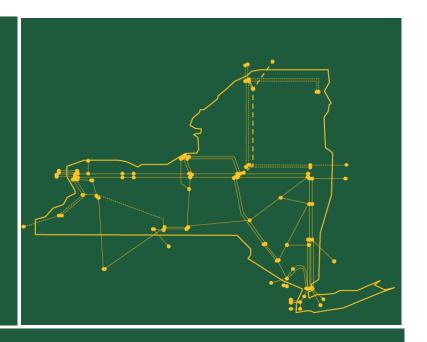
#### **Billing Codes for Chart C**

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 New York Independent System Operator (NYISO) is a not-for-profit corporation responsible for operating the state's bulk electricity grid, administering New York's competitive wholesale electricity markets, conducting comprehensive long-term planning for the state's electric power system, and advancing the technological infrastructure of the electric system serving the Empire State.



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