

# NYISO CEO/COO Report

### Stephen Whitley

President & Chief Executive Officer

#### **Rick Gonzales**

Senior Vice President & Chief Operating Officer
New York Independent System Operator

## **Management Committee Meeting**

July 29, 2015 Rensselaer, NY



## **NYISO CEO/COO Report**

## **CEO Report**

## **COO Report**

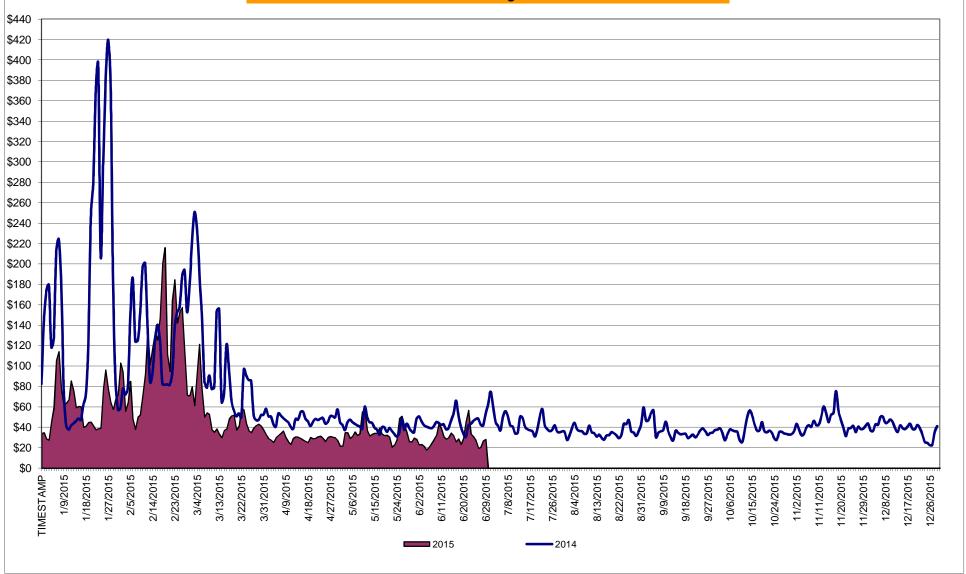
- Market Performance Highlights For Information Only
- Operations Performance Metrics Monthly Report

## Market Performance Highlights for June 2015

- LBMP for June is \$28.19/MWh; lower than \$32.98/MWh in May 2015 and \$43.39/MWh in June 2014.
  - Day Ahead and Real Time Load Weighted LBMPs are lower compared to May.
  - This is the lowest LBMP for the month of June during NYISO operation.
- June 2015 average year-to-date monthly cost of \$56.02/MWh is a 43% decrease from \$97.84/MWh in June 2014.
- Average daily sendout is 450 GWh/day in June; higher than 409 GWh/day in May 2015 and lower than 456 GWh/day in June 2014.
- Natural gas and distillate prices were lower compared to the previous month.
  - Natural Gas (Transco Z6 NY) was \$2.34/MMBtu, down 11% from \$2.65/MMBtu in May.
    - Transco Z6 NY is down 28% year-over-year
  - Jet Kerosene Gulf Coast was \$12.80/MMBtu, down from \$13.72/MMBtu in May.
  - Ultra Low Sulfur No.2 Diesel NY Harbor was \$13.45/MMBtu, down from \$14.05/MMBtu in May.
- Distillate prices are down 36% year-over-year
- Uplift per MWh is higher compared to the previous month.
  - Uplift (not including NYISO cost of operations) is \$0.33/MWh; higher than \$0.28/MWh in May.
    - The Local Reliability Share is \$0.37/MWh, higher than \$0.32 in May.
    - The Statewide Share is (\$0.03)/MWh, higher than (\$0.04)/MWh in May.
  - TSA \$ per NYC MWh is \$0.50/MWh.
  - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than May.

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

2014 Annual Average \$69.31MWh June 2014 YTD Average \$97.84/MWh June 2015 YTD Average \$56.02/MWh

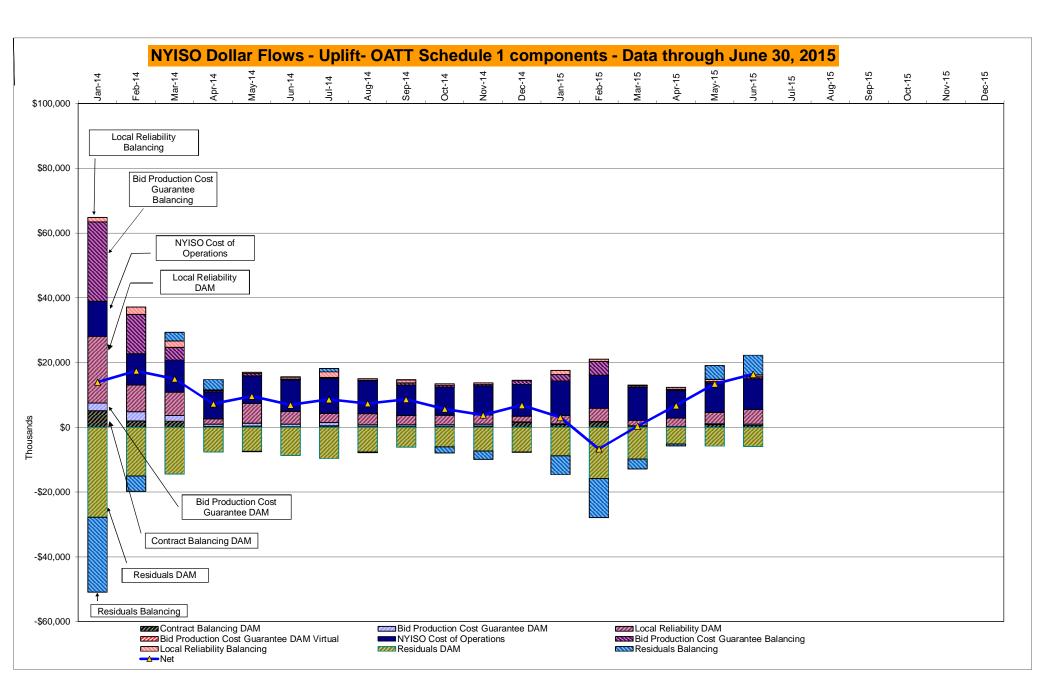


<sup>\*</sup> Excludes ICAP payments.

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

2015	January	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	59.60	114.35	52.09	28.35	32.98	28.19	<u></u>					
NTAC	0.32	0.35	0.42	0.64	0.56	0.80						
Reserve	0.27	0.37	0.56	0.36	0.38	0.24						
Regulation	0.10	0.18	0.11	0.12	0.10	0.13						
NYISO Cost of Operations	0.70	0.70	0.70	0.70	0.70	0.70						
Uplift	(0.50)	(1.17)	(0.68)	(0.14)	0.28	0.33						
Uplift: Local Reliability Share	0.25	0.33	0.13	0.27	0.32	0.37						
Uplift: Statewide Share	(0.75)	(1.49)	(0.81)	(0.41)	(0.04)	(0.03)						
Voltage Support and Black Start	0.39	0.39	0.39	0.39	0.39	0.39						
Avg Monthly Cost	60.88	115.17	53.59	30.42	35.39	30.79						
Avg Monthly Cost	00.00	113.17	33.33	30.42	33.33	30.73						
Avg YTD Cost	60.88	87.68	76.61	66.80	60.95	56.02						
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.17	0.50						
2014	January	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	<u>September</u>	October	November	December
LBMP	183.36	123.19	109.58	46.09	40.30	43.39	43.97	34.48	37.63	35.61	42.89	38.08
NTAC	0.56	0.64	0.39	1.18	0.69	0.78	0.43	0.41	0.50	0.57	0.68	0.86
Reserve	0.78	0.49	0.56	0.46	0.28	0.27	0.26	0.26	0.29	0.48	0.37	0.23
Regulation	0.27	0.21	0.22	0.13	0.12	0.12	0.12	0.13	0.11	0.12	0.11	0.08
NYISO Cost of Operations	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Uplift	0.22	0.56	0.35	(0.09)	0.07	(0.21)	(0.26)	(0.19)	(0.20)	(0.24)	(0.40)	(0.20)
Uplift: Local Reliability Share	1.43	0.75	0.62	0.15	0.51	0.32	0.29	0.27	0.26	0.26	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	112.15	48.82	42.51	45.39	45.57	36.14	39.38	37.59	44.71	40.09
, rug menuny ceer	100.21	120.11	112.10	10.02	12.01	10.00	10.07	00.11	00.00	07.00		10.00
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	0.00	0.00	0.00	0.00	0.00	0.03	0.35	0.00	0.42	0.00	0.00	0.00
2013	January	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	79.77	85.76	48.94	44.47	52.21	50.17	68.49	40.81	44.24	39.85	43.30	66.41
NTAC	0.79	0.83	0.76	0.90	0.85	0.86	0.66	0.28	0.57	0.87	1.08	0.59
Reserve	0.38	0.44	0.43	0.36	0.49	0.34	0.50	0.32	0.38	0.42	0.38	0.44
Regulation	0.13	0.13	0.10	0.11	0.09	0.13	0.11	0.13	0.13	0.16	0.13	0.12
NYISO Cost of Operations	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Uplift	0.21	(0.15)	(0.33)	0.02	0.41	0.49	2.06	0.03	(0.05)	0.18	(0.07)	(0.25)
Uplift: Local Reliability Share	0.44	0.40	0.19	0.37	0.58	0.81	1.27	0.49	0.31	0.38	0.19	0.12
Uplift: Statewide Share	(0.23)	(0.55)	(0.52)	(0.35)	(0.17)	(0.31)	0.79	(0.46)	(0.36)	(0.19)	(0.25)	(0.37)
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	82.34	88.06	50.96	46.91	55.10	53.05	72.87	42.62	46.31	42.54	45.88	68.36
g		33.53	20.03		33	00.00					.0.00	33.33
Avg YTD Cost	82.34	85.08	74.02	67.80	65.46	63.36	65.10	62.27	60.74	59.30	58.24	59.13
TSA \$ per NYC MWh	0.00	0.00	0.00	0.04	0.58	0.61	1.52	0.43	0.22	0.01	0.00	0.00
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\* Excludes ICAP payments. Market Mitigation and Analysis Prepared: 7/7/2015 11:22 AM Data reflects true-ups thru Dec 2014.



#### **NYISO Markets Transactions**

DANA LES IMPRINGENS   15,000   10,000	<u>2015</u>	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
DAM Elearent PLEAMP Energy States	Day Ahead Market MWh	15,961,306	14,967,371	15,059,207	12,589,321	13,291,917	14,277,299						
DAM Bilaseral - Internal Bilitareals   39%   3	DAM LSE Internal LBMP Energy Sales	55%	54%	53%	55%	57%	57%						
Page	DAM External TC LBMP Energy Sales	5%	6%	6%	4%	2%	1%						
Part	DAM Bilateral - Internal Bilaterals	35%	33%	33%	33%	35%	33%						
Palancing Engroy Market MWP   14	DAM Bilateral - Importl/Non-LBMP Market Bilaterals	3%	5%	5%	6%	4%	5%						
Balancing Energy USE Internal IBMP Energy Sales   448,574   4297.75   377.42   4410,311   327.300   545.805   109%   10	DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	1%	2%	1%	1%						
Balancing Energy (External FLBMP Energy Sales   149%   252%   192%   193%   1	DAM Bilateral - Wheel Through Bilaterals	0%	1%	1%	1%	0%	2%						
Balancing Energy (External FLBMP Energy Sales   149%   252%   192%   193%   1	Balancing Energy Market MWh	-648,574	-287,795	-397,342	-410,311	-327,906	-545,880						
Balancing Energy Blateral - Internal Blaterals	Balancing Energy LSE Internal LBMP Energy Sales			-192%									
Balancing Energy Bilaterial - Export/Nor-LBMP Market Bilaterials   % % % % % % % % % % % % % % % % % %	Balancing Energy External TC LBMP Energy Sales	30%	117%	64%	36%	36%	17%						
Palancing Energy Bilateral - Export/Nort-LBMP Market Bilaterals	Balancing Energy Bilateral - Internal Bilaterals	13%	14%	19%	5%	6%	6%						
Page	Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	1%						
LBMP	Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	6%	8%	12%	11%	10%	4%						
LIMP   1888   1898   1879   1879   1898   1898   1879   1898   1879   1898	Balancing Energy Bilateral - Wheel Through Bilaterals	0%	12%	-4%	-5%	-9%	-22%						
LIMP   1888   1898   1879   1879   1898   1898   1879   1898   1879   1898	Transactions Summary												<u> </u>
Export Bilaterials	LBMP	58%	59%	57%	57%	58%	57%						
Wheels Through         2%	Internal Bilaterals	37%	34%	35%	35%	36%	35%						
Market Share of Total Load   Day Ahead Market Market Share of Total Load   Total Market Share of Total Load   Total Market Share of Total Market Share o	Import Bilaterals	3%	5%	5%	6%	4%	5%						
Market Share of Total Load   Day Ahead Market Market Share of Total Load   Total Market Share of Total Load   Total Market Share of Total Market Share o	Export Bilaterals	2%	2%	2%	2%	2%	1%						
Market Share of Total Load   Day Ahead Market   Day Ahead Market MWh   Day	•		1%	1%	0%	0%							
Palancing Energy +   4-2   4-2   4-5   4	Market Share of Total Load												<u> </u>
Palancing Energy +   4-2   4-2   4-5   4	Day Ahead Market	104.2%	102.0%	102.7%	103.4%	102.5%	104.0%						
Total MWH	,												
Part		15.312.732	14.679.576	14.661.865	12.179.010	12.964.011	13.731.419						
Day Ahead Market MWh													
Day Ahead Market MWh													
DAM LSE Internal LBMP Energy Sales         52%         50%         53%         56%         53%         54%         58%         57%         56%         54%         54%           DAM External TC LBMP Energy Sales         5%         7%         6%         3%         2%         3%         1%         0%         1%         2%         5%         5%           DAM Bilateral I-Importl/Non-LBMP Market Bilaterals         5%         5%         6%         5%         5%         4%         5%         4%         4%         3%         3%         3%         3%         5%         5%         4%         4%         4%         4%         3%         3%         3%         5%         5%         4%         4%         4%         4%         3%         3%         3%         5%         5%         4%         4%         4%         3%         3%         3%         5%         4%         5%         5%         6%         5%         5%         4%         4%         2%         3%         1%         1%         1%         1%         1%         1%         1%         1%         1%         1%         1%         1%         1%         1%         1%         1%         1%         1%<	2014	January	February	March	April	May	June	July	August	September	October	November	December
DAM External TC LBMP Energy Sales         5%         7%         6%         3%         2%         3%         1%         0%         1%         2%         5%         5%           DAM Bilateral - Internal Bilaterals         36%         36%         35%         35%         36%         16%         16%         1				· · · · · · · · · · · · · · · · · · ·				-					
DAM Bilateral - Internal Bilaterals         36%         36%         36%         35%         35%         36%	Day Ahead Market MWh	16,034,264	14,409,515	14,633,570	12,101,747	12,984,458	14,719,929	16,528,338	15,536,610	14,312,509	13,684,158	13,945,509	14,992,656
DAM Bilateral - ImportI/Non-LBMP Market Bilaterals         5%         5%         6%         5%         5%         4%         5%         4%         4%         3%         3%           DAM Bilateral - Export/Non-LBMP Market Bilaterals         2%         1%         1%         2%         2%         1%         1%         1%         1%         1%         2%         2%         2%         1%         1%         1%         2%         2%         2%         1%         1%         1%         2%         2%         2%         2%         1%         1%         1%         2%	Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales	16,034,264 52%	14,409,515 50%	14,633,570 53%	12,101,747 56%	12,984,458 53%	14,719,929 54%	16,528,338 58%	15,536,610 57%	14,312,509 56%	13,684,158 54%	13,945,509 54%	14,992,656 54%
DAM Bilateral - Export/Non-LBMP Market Bilaterals         2%         1%         1%         2%         2%         1%         1%         1%         2%         2%         2%         1%         1%         1%         2%	Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales	16,034,264 52% 5%	14,409,515 50% 7%	14,633,570 53% 6%	12,101,747 56% 3%	12,984,458 53% 2%	14,719,929 54% 3%	16,528,338 58% 1%	15,536,610 57% 0%	14,312,509 56% 1%	13,684,158 54% 2%	13,945,509 54% 5%	14,992,656 54% 5%
DAM Bilateral - Wheel Through Bilaterals         1%         1%         0%         1%         1%         1%         1%         1%         0%         0%           Balancing Energy Market MWh         -249,484         -298,340         -116,173         54,298         -510,467         -558,413         -854,501         -764,108         -674,285         -999,342         -750,627         -705,848           Balancing Energy LSE Internal LBMP Energy Sales         -232%         -203%         -294%         -190%         -113%         -114%         -116%         -117%         -129%         -124%         -134%         -137%           Balancing Energy External TC LBMP Energy Sales         105%         76%         97%         207%         21%         22%         18%         15%         24%         14%         20%         28%           Balancing Energy Bilateral - Internal Bilaterals         20%         26%         69%         27%         3%         7%         4%         7%         7%         7%         9%         4%           Balancing Energy Bilateral - Importt/Non-LBMP Market Bilaterals         11%         6%         25%         67%         4%         3%         2%         2%         3%         3%         5%         3%           Bal	Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals	16,034,264 52% 5% 36%	14,409,515 50% 7% 36%	14,633,570 53% 6% 35%	12,101,747 56% 3% 33%	12,984,458 53% 2% 38%	14,719,929 54% 3% 36%	16,528,338 58% 1% 34%	15,536,610 57% 0% 35%	14,312,509 56% 1% 36%	13,684,158 54% 2% 38%	13,945,509 54% 5% 36%	14,992,656 54% 5% 36%
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Balancing Energy LSE Internal LBMP Energy Sales         -232%         -203%         -294%         -190%         -133%         -114%         -116%         -117%         -129%         -124%         -134%         -137%           Balancing Energy External TC LBMP Energy Sales         105%         76%         97%         207%         21%         22%         18%         15%         24%         14%         20%         28%           Balancing Energy Bilateral - Internal Bilaterals         20%         26%         69%         27%         3%         7%         4%         7%         7%         7%         9%         4%           Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals         0%         0%         12%         0%         3%         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	16,034,264 52% 5% 36% 5% 2%	14,409,515 50% 7% 36% 5% 1%	14,633,570 53% 6% 35% 5% 1%	12,101,747 56% 3% 33% 6% 2%	12,984,458 53% 2% 38% 5% 2%	14,719,929 54% 3% 36% 5% 1%	16,528,338 58% 1% 34% 4% 1%	15,536,610 57% 0% 35% 5% 1%	14,312,509 56% 1% 36% 4% 1%	13,684,158 54% 2% 38% 4% 2%	13,945,509 54% 5% 36% 3% 2%	14,992,656 54% 5% 36% 3% 2%
Balancing Energy External TC LBMP Energy Sales         105%         76%         97%         207%         21%         22%         18%         15%         24%         14%         20%         28%           Balancing Energy Bilateral - Internal Bilaterals         20%         26%         69%         27%         3%         7%         4%         7%         7%         9%         4%           Balancing Energy Bilateral - ImportI/Non-LBMP Market Bilaterals         0%         0%         12%         0%         3%         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	16,034,264 52% 5% 36% 5% 2% 1%	14,409,515 50% 7% 36% 5% 1% 1%	14,633,570 53% 6% 35% 5% 1% 1%	12,101,747 56% 3% 33% 6% 2% 0%	12,984,458 53% 2% 38% 5% 2% 1%	14,719,929 54% 3% 36% 5% 1%	16,528,338 58% 1% 34% 4% 1% 1%	15,536,610 57% 0% 35% 5% 1% 1%	14,312,509 56% 1% 36% 4% 1% 1%	13,684,158 54% 2% 38% 4% 2% 0%	13,945,509 54% 5% 36% 3% 2% 0%	14,992,656 54% 5% 36% 3% 2% 0%
Balancing Energy Bilateral - Internal Bilaterals         20%         26%         69%         27%         3%         7%         4%         7%         7%         7%         9%         4%           Balancing Energy Bilateral - ImportI/Non-LBMP Market Bilaterals         0%         0%         12%         0%         3%         0%         0%         0%         2%         1%         0%         0%           Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals         11%         6%         25%         67%         4%         3%         2%         2%         3%         3%         5%         3%           Balancing Energy Bilateral - Wheel Through Bilaterals         -4%         -6%         -10%         -12%         1%         -18%         -8%         -7%         -7%         -1%         0%         1%           Transactions Summary           LBMP         56%         56%         57%         59%         53%         55%         57%         55%         55%         55%         55%         56%           Internal Bilaterals         37%         37%         36%         33%         39%         38%         36%         37%         38%         42%         39%         38% <td< td=""><td>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</td><td>16,034,264 52% 5% 36% 5% 2% 1%</td><td>14,409,515 50% 7% 36% 5% 1% 1% -298,340</td><td>14,633,570 53% 6% 35% 5% 1% 1% -116,173</td><td>12,101,747 56% 3% 33% 6% 2% 0% 54,298</td><td>12,984,458 53% 2% 38% 5% 2% 1% -510,467</td><td>14,719,929 54% 3% 36% 5% 1% 1% -558,413</td><td>16,528,338 58% 1% 34% 4% 1% 1% -854,501</td><td>15,536,610 57% 0% 35% 5% 1% 1% -764,108</td><td>14,312,509 56% 1% 36% 4% 1% 1%</td><td>13,684,158 54% 2% 38% 4% 2% 0%</td><td>13,945,509 54% 5% 36% 3% 2% 0% -750,627</td><td>14,992,656 54% 5% 36% 3% 2% 0% -705,848</td></td<>	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	16,034,264 52% 5% 36% 5% 2% 1%	14,409,515 50% 7% 36% 5% 1% 1% -298,340	14,633,570 53% 6% 35% 5% 1% 1% -116,173	12,101,747 56% 3% 33% 6% 2% 0% 54,298	12,984,458 53% 2% 38% 5% 2% 1% -510,467	14,719,929 54% 3% 36% 5% 1% 1% -558,413	16,528,338 58% 1% 34% 4% 1% 1% -854,501	15,536,610 57% 0% 35% 5% 1% 1% -764,108	14,312,509 56% 1% 36% 4% 1% 1%	13,684,158 54% 2% 38% 4% 2% 0%	13,945,509 54% 5% 36% 3% 2% 0% -750,627	14,992,656 54% 5% 36% 3% 2% 0% -705,848
Balancing Energy Bilateral - ImportI/Non-LBMP Market Bilaterals         0%         0%         12%         0%         3%         0%         0%         0%         2%         1%         0%         0%           Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals         11%         6%         25%         67%         4%         3%         2%         2%         3%         3%         5%         3%           Balancing Energy Bilateral - Wheel Through Bilaterals         -4%         -6%         -10%         -12%         1%         -18%         -8%         -7%         -7%         -1%         0%         1%           Transactions Summary         LBMP         56%         56%         57%         59%         53%         55%         57%         55%         55%         55%         55%         56%           Internal Bilaterals         37%         37%         36%         33%         39%         38%         36%         37%         38%         42%         39%         38%           Import Bilaterals         5%         5%         5%         6%         5%         5%         5%         5%         5%         5%         4         4%         3%           Export Bilaterals	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	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203%	14,633,570 53% 6% 35% 5% 1% 1% -116,173 -294%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114%	16,528,338 58% 1% 34% 4% 1% 1% -854,501 -116%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137%
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals         11%         6%         25%         67%         4%         3%         2%         2%         3%         3%         5%         3%           Balancing Energy Bilateral - Wheel Through Bilaterals         -4%         -6%         -10%         -12%         1%         -18%         -8%         -7%         -7%         -1%         0%         1%           Transactions Summary           LBMP         56%         56%         57%         59%         53%         55%         57%         55%         55%         55%         55%         56%           Internal Bilaterals         37%         37%         36%         33%         39%         38%         36%         37%         38%         42%         39%         38%           Import Bilaterals         5%         5%         5%         5%         5%         5%         5%         5%         5%         5%         4         4%         3%           Export Bilaterals         2%         1%         2%         2%         1%         1%         1%         1%         2%         2%         2%         2%         2%         2%         2%         2%         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	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76%	14,633,570 53% 6% 35% 5% 1% 16,173 -294% 97%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22%	16,528,338 58% 1% 34% 4% 1% 1% -854,501 -116% 18%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28%
Balancing Energy Bilateral - Wheel Through Bilaterals         -4%         -6%         -10%         -12%         1%         -18%         -8%         -7%         -7%         -1%         0%         1%           Transactions Summary           LBMP         56%         56%         56%         57%         59%         53%         55%         57%         55%         55%         55%         55%         56%         56%         56%         33%         39%         38%         36%         37%         38%         42%         39%         38%           Import Bilaterals         5%         5%         5%         5%         5%         5%         5%         5%         4%         4%         3%           Export Bilaterals         2%         1%         2%         2%         1%         1%         1%         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	16,034,264 52% 55% 36% 5% 2% 1% -249,484 -232% 105% 20%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 27%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 7%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 18% 4%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15% 7%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4%
Transactions Summary           LBMP         56%         56%         57%         59%         53%         55%         57%         55%         55%         55%         55%         55%         56%         56%         56%         56%         56%         56%         56%         56%         56%         56%         56%         56%         56%         56%         56%         33%         39%         38%         36%         37%         38%         42%         39%         38%           Import Bilaterals         5%         5%         5%         5%         5%         5%         5%         5%         4%         4%         3%           Export Bilaterals         2%         1%         2%         2%         1%         1%         1%         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	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0%	14,409,515 50% 7% 36% 5% 1% -298,340 -203% 76% 26% 0%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69% 12%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 27% 0%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 3%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 7% 0%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 4% 0%	15,536,610 57% 0% 35% 5% 1% -764,108 -117% 15% 7% 0%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0%
LBMP         56%         56%         56%         57%         59%         53%         55%         57%         55%         55%         52%         55%         56%           Internal Bilaterals         37%         37%         36%         33%         39%         38%         36%         37%         38%         42%         39%         38%           Import Bilaterals         5%         5%         5%         5%         5%         5%         5%         5%         4%         4%         3%           Export Bilaterals         2%         1%         2%         2%         1%         1%         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	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11%	14,409,515 50% 7% 36% 5% 1% -298,340 -203% 76% 26% 0% 6%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69% 12% 25%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 207% 0% 67%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 3%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 7% 0% 3%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 18% 4% 0% 2%	15,536,610 57% 0% 35% 5% 1% -764,108 -117% 15% 0% 0% 2%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3%
Internal Bilaterals         37%         37%         36%         33%         39%         38%         36%         37%         38%         42%         39%         38%           Import Bilaterals         5%         5%         5%         5%         5%         5%         5%         5%         5%         4%         4%         3%           Export Bilaterals         2%         1%         2%         2%         1%         1%         2% <td>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</td> <td>16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11%</td> <td>14,409,515 50% 7% 36% 5% 1% -298,340 -203% 76% 26% 0% 6%</td> <td>14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69% 12% 25%</td> <td>12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 207% 0% 67%</td> <td>12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 3%</td> <td>14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 7% 0% 3%</td> <td>16,528,338 58% 1% 34% 4% 1% -854,501 -116% 18% 4% 0% 2%</td> <td>15,536,610 57% 0% 35% 5% 1% -764,108 -117% 15% 0% 0% 2%</td> <td>14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3%</td> <td>13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3%</td> <td>13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5%</td> <td>14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3%</td>	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	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11%	14,409,515 50% 7% 36% 5% 1% -298,340 -203% 76% 26% 0% 6%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69% 12% 25%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 207% 0% 67%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 3%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 7% 0% 3%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 18% 4% 0% 2%	15,536,610 57% 0% 35% 5% 1% -764,108 -117% 15% 0% 0% 2%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3%
Import Bilaterals         5%         5%         5%         5%         5%         5%         5%         5%         4%         4%         3%           Export Bilaterals         2%         1%         2%         2%         1%         1%         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	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11% -4%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26% 0% 6% -6%	14,633,570 53% 6% 35% 5% 1% 116,173 -294% 97% 69% 12% 25% -10%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 277% 0% 67% -12%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 4%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 7% 0% 3% -18%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 18% 4% 0% 2% -8%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15% 0% 2% -7%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3% -1%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1%
Export Bilaterals         2%         1%         2%         2%         1%         1%         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 - Importl/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11% -4%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26% 0% 6% -6%	14,633,570 53% 6% 35% 5% 1% 1-116,173 -294% 69% 12% 25% -10%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 0% 67% -12%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22% 7% 0% 3% -18%	16,528,338 58% 1% 34% 4% 1% 1-854,501 -116% 4% 0% 2% -85%	15,536,610 57% 0% 35% 5% 1% 1764,108 -117% 15% 0% 2% -7%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 22% 33% -7%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3% -1%	13,945,509 54% 5% 36% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 11%
Wheels Through         1%         1%         1%         1%         1%         1%         1%         1%         1%         0%         1%         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 - 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	16,034,264 52% 55% 36% 5% 2% 1% -249,484 -232% 105% 0% 11% -4%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26% 0% 6% -6% 56% 37%	14,633,570 53% 6% 35% 5% 1% 1-116,173 -294% 69% 12% 25% -10%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 0% 67% -12% 59% 33%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22% 7% 0% 3% -18% 55% 38%	16,528,338 58% 1% 34% 4% 1% 1-854,501 -116% 4% 0% 2% -854 57% 36%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15% 0% 2% -7% 55% 37%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3% -1%	13,945,509 54% 5% 36% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38%
· · · · · · · · · · · · · · · · · · ·	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	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 0% 11% -4%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26% 6% -6% 56% 37% 5%	14,633,570 53% 6% 35% 5% 1% 1-116,173 -294% 97% 69% 12% 25% -10%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 0% 67% -12% 59% 33% 6%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1% 53% 39% 5%	14,719,929 54% 3% 36% 5% 1% 1-558,413 -114% 22% 7% 0% 3% -18% 55% 38% 55%	16,528,338 58% 1% 34% 4% 1% 1-16% -854,501 -116% 18% 0% 2% -8% 57% 36% 5%	15,536,610 57% 0% 35% 5% 1% 1-764,108 -117% 15% 0% 2% -7% 55% 37% 5%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3% -1% 52% 42% 4%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38% 3%
Market Share of Total Load	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 - Internal Bilaterals  Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Balancing Energy Bilateral - Wheel Through Bilaterals  Export Bilaterals  Import Bilaterals  Export Bilaterals	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 0% 11% -4%	14,409,515 50% 7% 36% 5% 1% 1-298,340 -203% 76% 26% 0% 6% -6% 56% 37% 5% 1%	14,633,570 53% 6% 35% 5% 1% 1-116,173 -294% 97% 69% 12% 25% -10% 57% 36% 5% 2%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 0% 67% -12% 59% 33% 6% 2%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1% 53% 39% 5% 2%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22% 7% 0% 3% -18% 55% 38% 55% 1%	16,528,338 58% 1% 34% 4% 1% 1-16% 18% 4% 0% 2% -8% 57% 36% 5% 1%	15,536,610 57% 0% 35% 5% 1% 1-764,108 -117% 15% 7% 0% 2% -7%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5% 2%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3% -1% 52% 42% 44% 2%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38% 38% 38% 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  BAIAncing 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  Export Bilaterals  Wheels Through	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 0% 11% -4%	14,409,515 50% 7% 36% 5% 1% 1-298,340 -203% 76% 26% 0% 6% -6% 56% 37% 5% 1%	14,633,570 53% 6% 35% 5% 1% 1-116,173 -294% 97% 69% 12% 25% -10% 57% 36% 5% 2%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 0% 67% -12% 59% 33% 6% 2%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1% 53% 39% 5% 2%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22% 7% 0% 3% -18% 55% 38% 55% 1%	16,528,338 58% 1% 34% 4% 1% 1-16% 18% 4% 0% 2% -8% 57% 36% 5% 1%	15,536,610 57% 0% 35% 5% 1% 1-764,108 -117% 15% 7% 0% 2% -7%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5% 2%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3% -1% 52% 42% 44% 2%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38% 38% 38% 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  BAIAncing 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	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% -4% 56% 37% 5% 2% 1%	14,409,515 50% 7% 36% 5% 1% -298,340 -203% 76% 26% 0% -6% 56% 37% 5% 1% 1%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69% 12% 25% -10% 57% 36% 5% 2% 1%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 27% 67% -12% 59% 33% 6% 2% 0%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1% 53% 39% 5% 2% 1%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 7% 0% 3% -18% 55% 38% 5% 1%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 18% 4% 0% 2% -8% 57% 36% 5% 1% 1%	15,536,610 57% 0% 35% 5% 1% -764,108 -117% 15% 7% 0% -7% 55% 37% 5% 2% 1%	14,312,509 56% 1% 36% 4% 1% 16 -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5% 2% 1%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 3% -1% 52% 42% 4% 2% 0%	13,945,509 54% 58 36% 38% 2% 0% -750,627 -134% 20% 9% 0% 5% 0% 55% 39% 4% 2% 1%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38% 38% 2% 0%
Datationing Energy + -1.0% -2.1% -0.5% 0.4% -4.1% -3.5% -3.2% -4.9% -7.9% -5.7% -4.9%	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  BAIN 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  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 0% 11% -4%	14,409,515 50% 7% 36% 5% 1% 1-298,340 -203% 76% 26% 0% 6% -6% 56% 37% 5% 1%	14,633,570 53% 6% 35% 5% 1% 1-116,173 -294% 97% 69% 12% 25% -10% 57% 36% 5% 2%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 0% 67% -12% 59% 33% 6% 2%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1% 53% 39% 5% 2%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22% 7% 0% 3% -18% 55% 38% 55% 1%	16,528,338 58% 1% 34% 4% 1% 1-16% 18% 4% 0% 2% -8% 57% 36% 5% 1%	15,536,610 57% 0% 35% 5% 1% 1-764,108 -117% 15% 7% 0% 2% -7%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5% 2%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3% -1% 52% 42% 44% 2%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38% 38% 38% 2%
Total MWH 15,784,780 14,111,175 14,517,397 12,156,045 12,473,991 14,161,516 15,673,837 14,772,502 13,638,224 12,684,816 13,194,882 14,286,808	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  Market Share of Total Load  Day Ahead Market  Balancing Energy +	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11% -4% 56% 37% 5% 2% 101.6% -1.6%	14,409,515 50% 7% 36% 5% 1% -298,340 -203% 76% 26% 6% -6% 56% 37% 5% 1% 102.1% -2.1%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69% 12% 25% -10% 57% 36% 5% 2% 1%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 207% 67% -12% 59% 33% 6% 2% 0%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1% 53% 39% 5% 2% 1% 104.1% -4.1%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 0% 3% -18% 55% 38% 5% 1% 103.9% -3.9%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 18% 4% 0% 2% -8% 57% 36% 5% 1% 1%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15% 0% 2% -7% 55% 37% 55% 37% 5% 1% 105.2% -5.2%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5% 2% 11% 104.9% -4.9%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 3% -1% 52% 42% 42% 0% 107.9% -7.9%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0% 55% 39% 4% 2% 1% 105.7% -5.7%	14,992,656 54% 56% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38% 3% 2% 0% 104.9% -4.9%
	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  Market Share of Total Load  Day Ahead Market  Balancing Energy +	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11% -4% 56% 37% 5% 2% 101.6% -1.6%	14,409,515 50% 7% 36% 5% 1% -298,340 -203% 76% 26% 6% -6% 56% 37% 5% 1% 102.1% -2.1%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69% 12% 25% -10% 57% 36% 5% 2% 1%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 207% 67% -12% 59% 33% 6% 2% 0%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1% 53% 39% 5% 2% 1% 104.1% -4.1%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 0% 3% -18% 55% 38% 5% 1% 103.9% -3.9%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 18% 4% 0% 2% -8% 57% 36% 5% 1% 1%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15% 0% 2% -7% 55% 37% 55% 37% 5% 1% 105.2% -5.2%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5% 2% 11% 104.9% -4.9%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 3% -1% 52% 42% 42% 0% 107.9% -7.9%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0% 55% 39% 4% 2% 1% 105.7% -5.7%	14,992,656 54% 56% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38% 3% 2% 0% 104.9% -4.9%
	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  Market Share of Total Load  Day Ahead Market  Balancing Energy +  Total MWH	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11% -4% 56% 37% 5% 2% 101.6% 101.6% 11.6% 15,784,780	14,409,515 50% 7% 36% 5% 1% -298,340 -203% 76% 26% 6% -6% 56% 37% 5% 1% 102.1% -2.1% 14,111,175	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69% 12% 25% -10% 57% 36% 5% 1% 100.8% -0.8% 14,517,397	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 27% 0% 67% -12% 59% 33% 6% 2% 0% 12,156,045	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1% 53% 39% 5% 2% 1% 104.1% -4.1% 12,473,991	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 0% 3% -18% 55% 38% 5% 1% 103.9% -3.9% 14,161,516	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 18% 4% 0% 2% -8% 57% 36% 5% 1% 1% 105.5% -5.5% 15,673,837	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15% 0% 2% -7% 55% 37% 5% 1% 105.2% -5.2% 14,772,502	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5% 2% 1% 104.9% -4.9% 13,638,224	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 3% -1% 52% 42% 42% 0% 107.9% -7.9% 12,684,816	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 55% 39% 4% 2% 1% 105.7% -5.7% 13,194,882	14,992,656 54% 58% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38% 3% 2% 0% 14,286,808

<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.

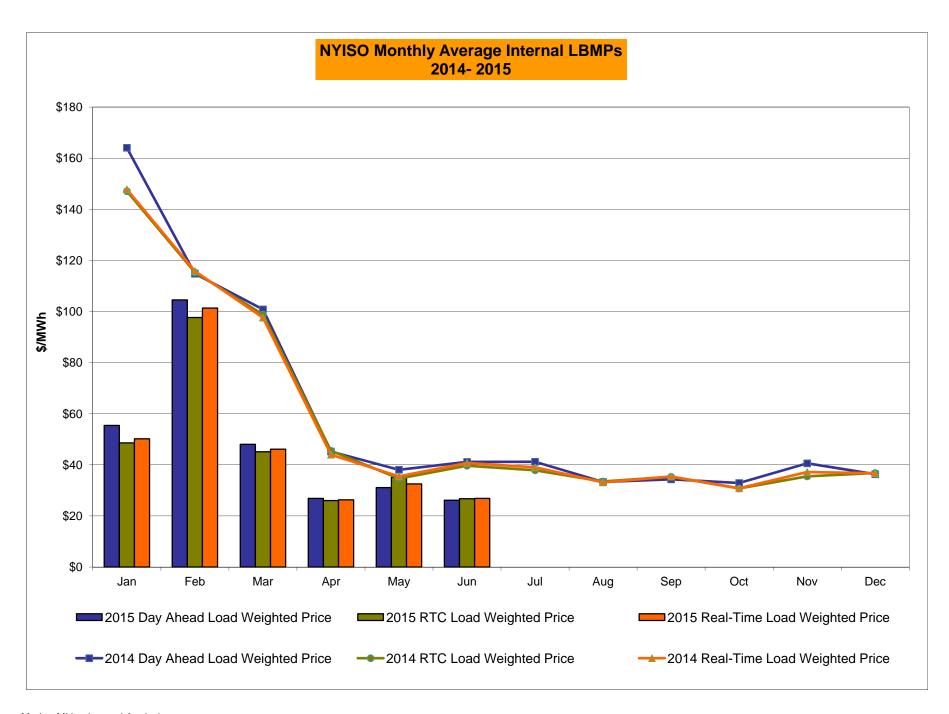
#### **NYISO Markets 2015 Energy Statistics**

	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August September	October November December
DAY AHEAD LBMP					<del></del>				
Price *	\$53.35	\$101.48	\$46.59	\$26.07	\$29.21	\$24.30			
Standard Deviation	\$24.61	\$48.85	\$21.51	\$6.73	\$13.44	\$11.96			
Load Weighted Price **	\$55.40	\$104.52	\$48.01	\$26.84	\$31.08	\$26.12			
RTC LBMP									
Price *	\$46.98	\$95.06	\$43.43	\$25.11	\$32.85	\$24.73			
Standard Deviation	\$22.84	\$47.55	\$29.42	\$12.31	\$35.40	\$24.71			
Load Weighted Price **	\$48.59	\$97.62	\$45.10	\$26.00	\$35.08	\$26.73			
REAL TIME LBMP									
Price *	\$48.51	\$98.83	\$44.38	\$25.46	\$30.39	\$23.96			
Standard Deviation	\$25.99	\$52.53	\$29.07	\$12.66	\$31.69	\$31.14			
Load Weighted Price **	\$50.18	\$101.34	\$46.10	\$26.28	\$32.52	\$26.86			
Average Daily Energy Sendout/Month GWh	462	481	436	387	409	450			

#### NYISO Markets 2014 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	<b>6455 44</b>	£440.00	<b>CO7 O7</b>	<b>64440</b>	<b>#</b> 20.04	<b>600.47</b>	<b>#</b> 20.02	<b>604 70</b>	<b>COO</b> 40	<b>ድ</b> ጋላ ርር	<b>#20.40</b>	<b>COT 40</b>
Price *	\$155.11	\$110.69	\$97.07	\$44.16	\$36.61	\$39.17	\$38.82	\$31.78	\$32.49	\$31.65	\$39.19	\$35.12
Standard Deviation	\$121.52	\$50.86	\$59.89	\$8.90	\$10.99	\$12.29	\$15.56	\$9.90	\$11.59	\$9.77	\$13.38	\$11.21
Load Weighted Price **	\$164.06	\$114.77	\$100.81	\$45.19	\$38.05	\$41.14	\$41.18	\$33.28	\$34.31	\$32.89	\$40.57	\$36.33
RTC LBMP												
Price *	\$138.41	\$110.71	\$94.71	\$44.00	\$33.16	\$37.34	\$35.32	\$31.74	\$32.89	\$29.23	\$34.27	\$34.99
Standard Deviation	\$125.42	\$72.22	\$97.72	\$27.44	\$17.51	\$25.39	\$24.90	\$23.34	\$33.68	\$20.45	\$14.23	\$35.81
Load Weighted Price **	\$147.06	\$115.31	\$98.80	\$45.48	\$34.63	\$39.64	\$37.85	\$33.48	\$35.31	\$30.74	\$35.46	\$36.79
ŭ	•	·	·	·	·		·		·	•	•	
REAL TIME LBMP												
Price *	\$137.90	\$111.51	\$93.37	\$42.79	\$34.06	\$38.23	\$35.97	\$31.21	\$32.50	\$29.36	\$36.01	\$34.80
Standard Deviation	\$122.32	\$70.35	\$89.05	\$19.38	\$17.15	\$23.33	\$27.27	\$18.18	\$33.51	\$21.14	\$17.99	\$42.67
Load Weighted Price **	\$147.77	\$115.80	\$97.58	\$43.97	\$35.46	\$40.71	\$39.00	\$33.13	\$35.42	\$30.81	\$37.17	\$36.69
2000 1101g11100 1 1100	Ψ	ψ	ψυου	ψ.σ.σ.	ψοσ. 10	ψ.σ.,	ψοσ.σσ	ψοσ.10	ψοσ. 12	ψοσ.σ ι	ψοπιπ	ψοσ.σσ
Average Daily Energy Sendout/Month GWh	475	460	440	390	391	456	496	470	442	394	413	433

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

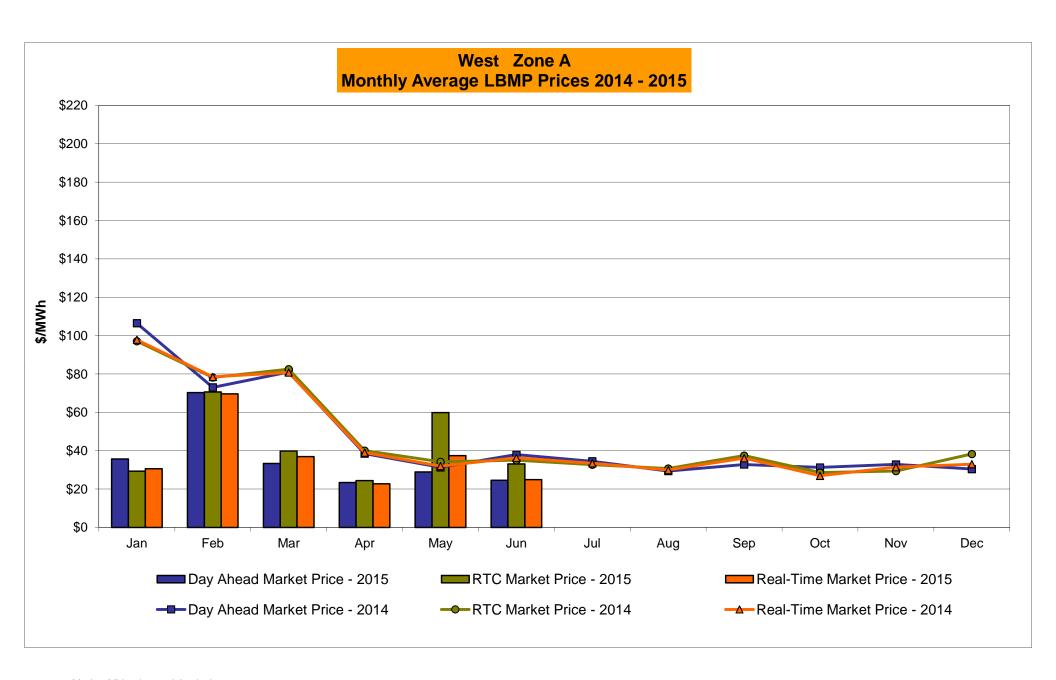


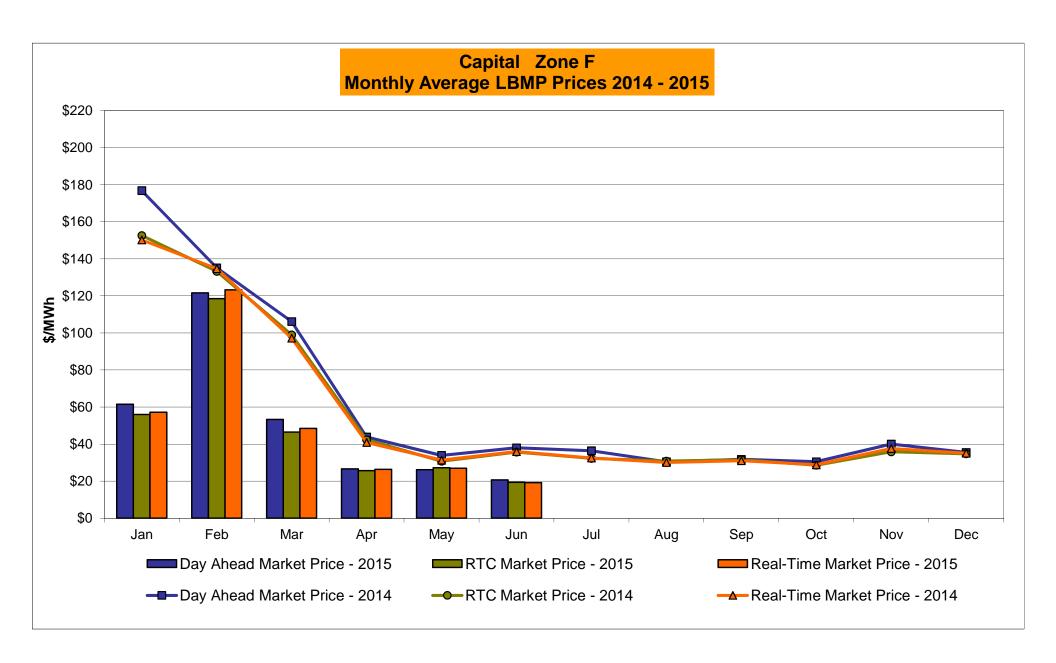
#### June 2015 Zonal LBMP Statistics for NYISO (\$/MWh)

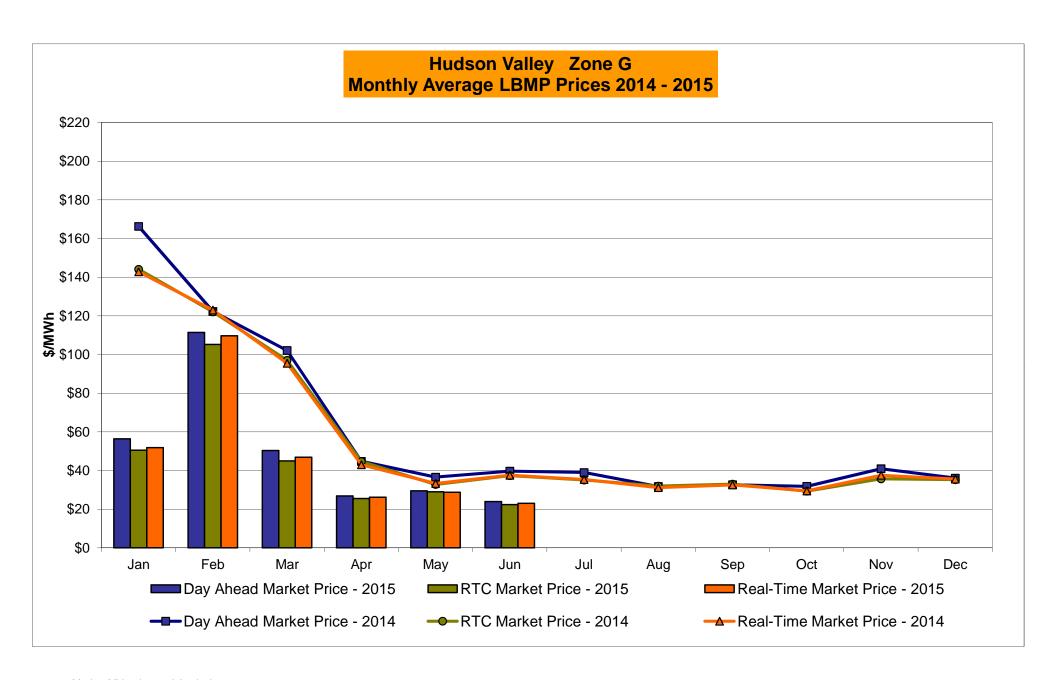
	WEST	GENESEE	NORTH	CENTRAL	MOHAWK VALLEY	CAPITAL	HUDSON VALLEY	MILLWOOD	DUNWOODIE	NEW YORK CITY	LONG ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP	<u> </u>			·	<u> </u>						· <del></del>
Unweighted Price *	24.60	19.11	18.02	20.24	20.03	20.63	23.88	24.35	24.39	24.95	30.72
Standard Deviation	14.64	7.63	7.28	8.46	8.19	8.00	11.53	12.38	12.44	12.64	17.80
RTC LBMP											
Unweighted Price *	33.06	17.85	17.10	20.40	19.27	19.40	22.36	22.72	22.73	23.83	33.31
Standard Deviation	69.31	11.37	11.30	17.12	13.62	12.69	22.50	24.69	24.97	25.60	69.32
REAL TIME LBMP											
Unweighted Price *	24.88	17.76	16.97	18.88	18.61	19.18	22.98	23.49	23.52	25.30	30.73
Standard Deviation	50.73	15.74	15.42	18.60	17.26	17.51	36.57	40.64	41.16	42.14	46.25
						00000					
	ONTABIO	HYDRO	HYDRO		NEW	CROSS	NORTUDORT				
	ONTARIO IESO	QUEBEC	QUEBEC	PJM	NEW ENGLAND		NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
	ONTARIO IESO	QUEBEC	_	РЈМ		SOUND		NEPTUNE Controllable	LINDEN VFT	HUDSON Controllable	
		QUEBEC	QUEBEC	PJM <u>Zone P</u>		SOUND CABLE	NORWALK	_			Dennison Controllable Line
DAY AHEAD LBMP	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	<u>Controllable</u>	Controllable	Controllable
Unweighted Price *	<b>Zone O</b> 17.78	QUEBEC (Wheel)  Zone M  18.37	QUEBEC (Import/Export)  Zone M  18.37	<b>Zone P</b> 23.22	ENGLAND  Zone N  21.96	SOUND CABLE Controllable Line	NORWALK Controllable Line 25.70	Controllable Line 29.09	Controllable Line 24.33	Controllable Line 24.54	Controllable Line 17.72
	IESO Zone O	QUEBEC (Wheel) Zone M	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 * Standard Deviation  RTC LBMP	Zone O 17.78 6.47	QUEBEC (Wheel) Zone M 18.37 7.27	QUEBEC (Import/Export) Zone M 18.37 7.27	Zone P 23.22 11.36	<b>Zone N</b> 21.96 9.44	SOUND CABLE Controllable Line 29.86 15.50	NORWALK Controllable Line 25.70 9.02	Controllable Line 29.09 14.34	Controllable Line 24.33 11.82	Controllable Line 24.54 12.50	Controllable Line 17.72 7.05
Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price *	IESO  Zone O  17.78 6.47	QUEBEC (Wheel) Zone M 18.37 7.27	QUEBEC (Import/Export)  Zone M  18.37 7.27	Zone P 23.22 11.36	<b>Zone N</b> 21.96 9.44	SOUND CABLE Controllable Line 29.86 15.50	NORWALK Controllable Line 25.70 9.02	29.09 14.34	24.33 11.82 22.84	24.54 12.50	20ntrollable Line 17.72 7.05
Unweighted Price * Standard Deviation  RTC LBMP	Zone O 17.78 6.47	QUEBEC (Wheel) Zone M 18.37 7.27	QUEBEC (Import/Export) Zone M 18.37 7.27	Zone P 23.22 11.36	<b>Zone N</b> 21.96 9.44	SOUND CABLE Controllable Line 29.86 15.50	NORWALK Controllable Line 25.70 9.02	Controllable Line 29.09 14.34	Controllable Line 24.33 11.82	Controllable Line 24.54 12.50	Controllable Line 17.72 7.05
Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price * Standard Deviation  REAL TIME LBMP	17.78 6.47 14.26 14.68	QUEBEC (Wheel) Zone M 18.37 7.27 16.45 10.63	QUEBEC (Import/Export)  Zone M  18.37 7.27  16.45 10.63	23.22 11.36 26.65 46.66	20ne N 21.96 9.44 20.28 14.80	SOUND CABLE Controllable Line 29.86 15.50 32.10 68.42	NORWALK Controllable Line 25.70 9.02 30.29 66.75	29.09 14.34 31.50 68.13	24.33 11.82 22.84 25.57	24.54 12.50 22.71 24.20	17.72 7.05 16.71 10.85
Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price * Standard Deviation	IESO  Zone O  17.78 6.47	QUEBEC (Wheel) Zone M 18.37 7.27	QUEBEC (Import/Export)  Zone M  18.37 7.27	Zone P 23.22 11.36	<b>Zone N</b> 21.96 9.44	SOUND CABLE Controllable Line 29.86 15.50	NORWALK Controllable Line 25.70 9.02	29.09 14.34	24.33 11.82 22.84	24.54 12.50	20ntrollable Line 17.72 7.05

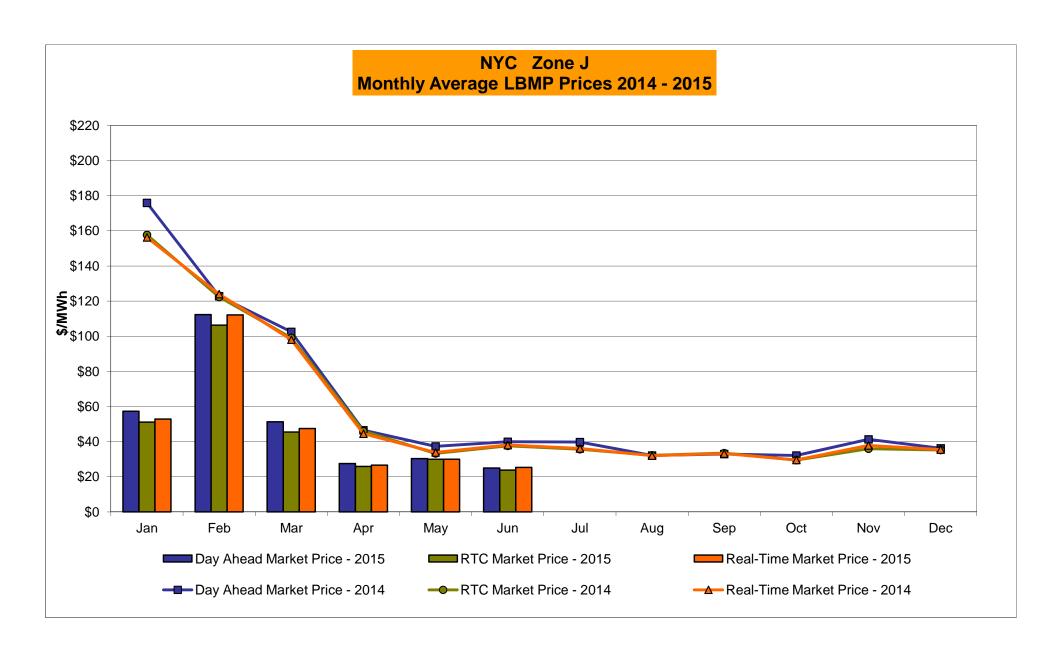
Market Mitigation and Analysis Prepared: 7/9/2015 11:08 AM

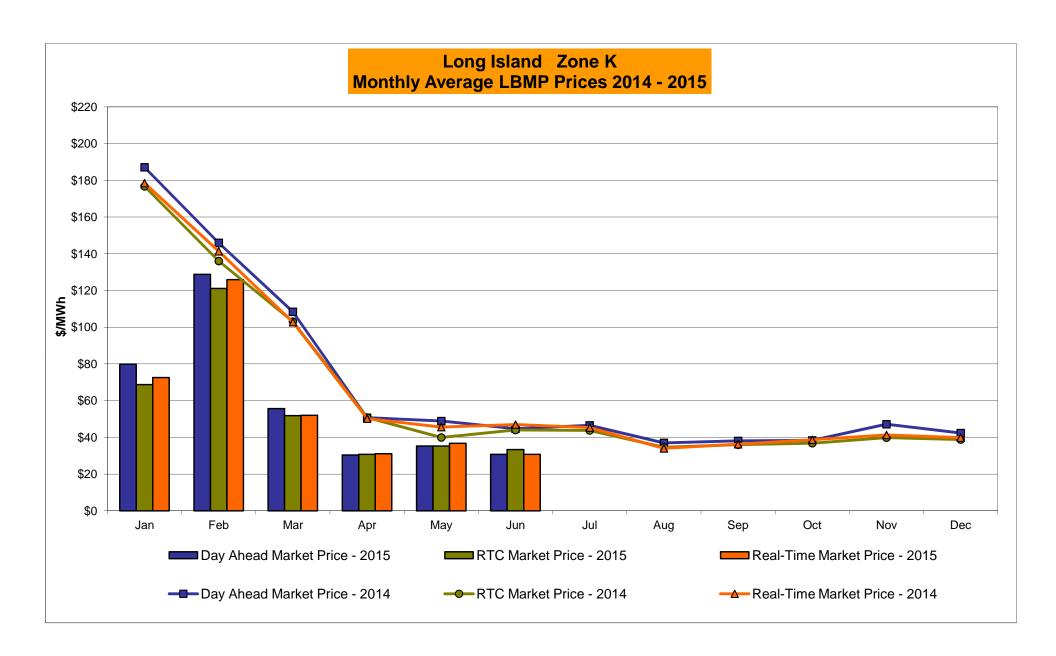
<sup>\*</sup> Straight LBMP averages

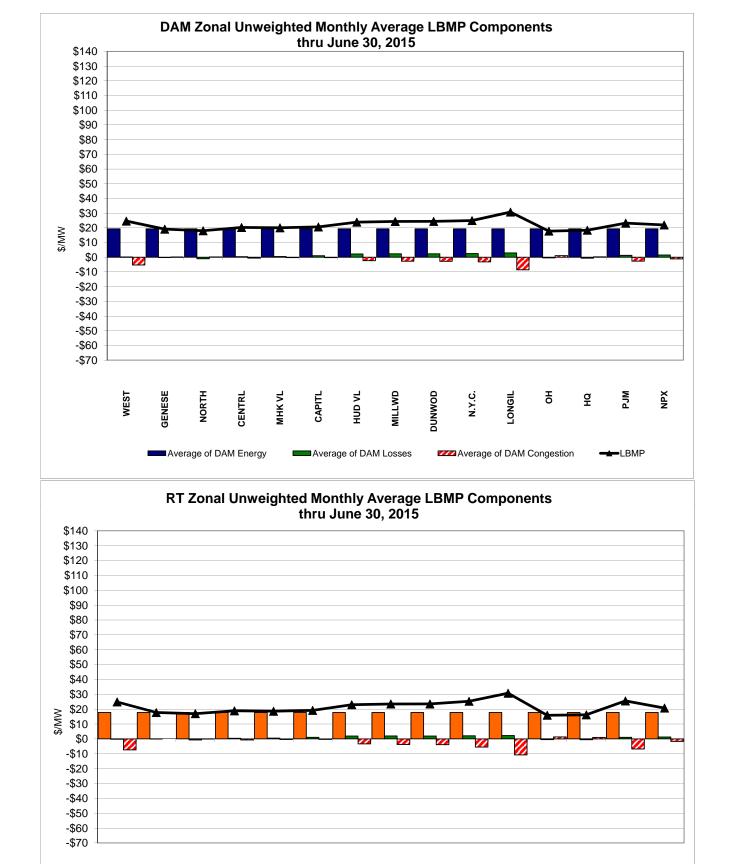












Average of RT Energy

Average of RT Losses

LONGIL

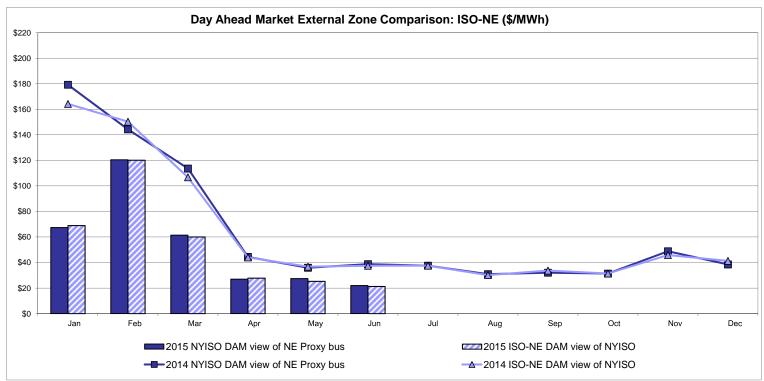
Average of RT Congestion

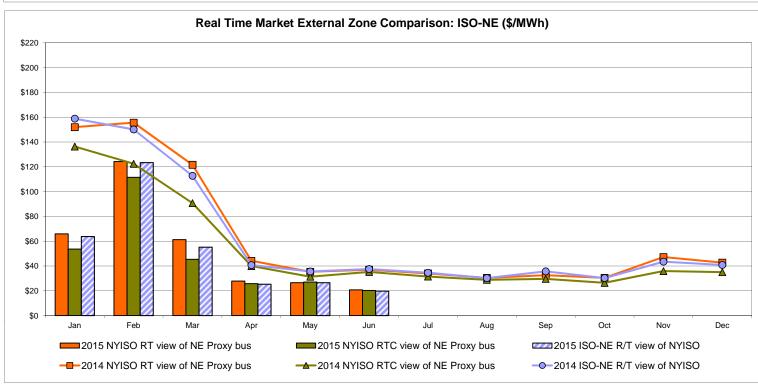
동

MPX

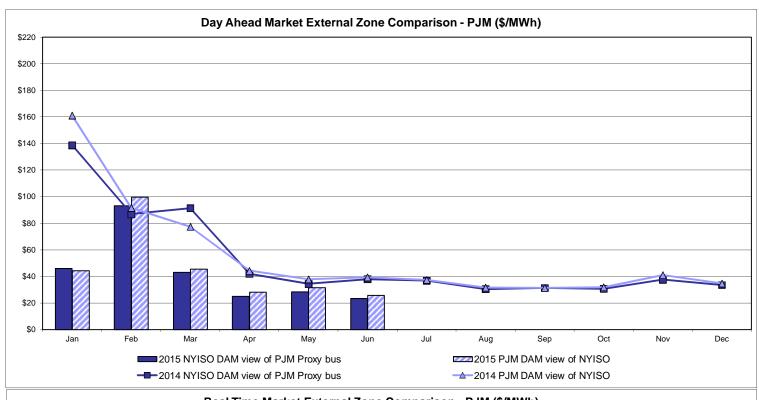
**L**BMP

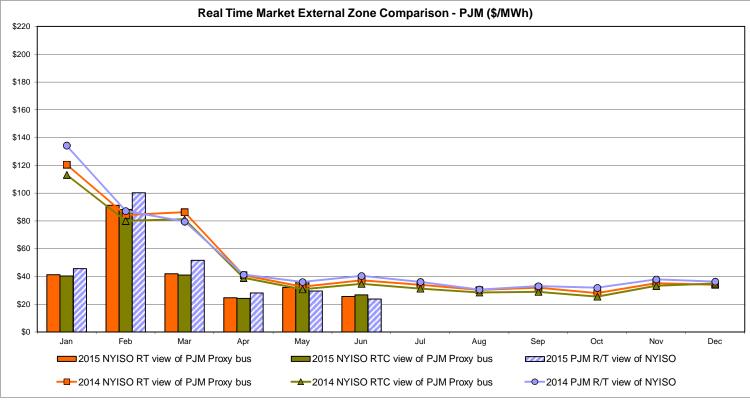
#### **External Comparison ISO-New England**



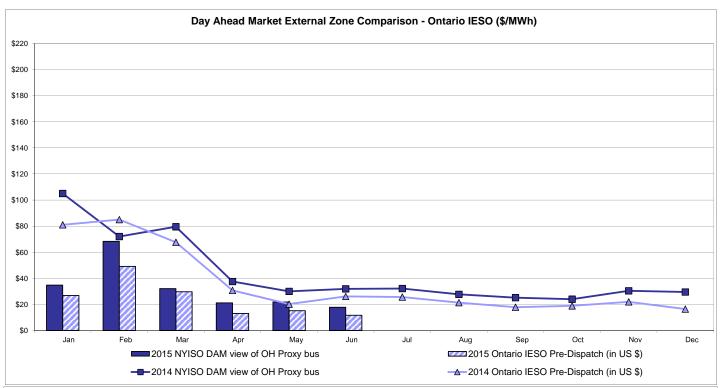


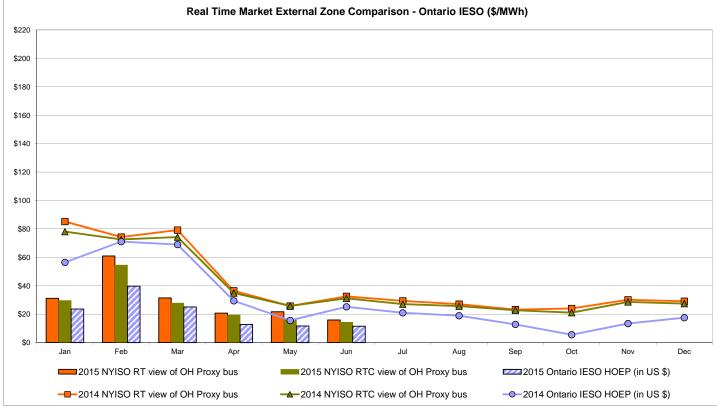
#### **External Comparison PJM**





#### **External Comparison Ontario IESO**

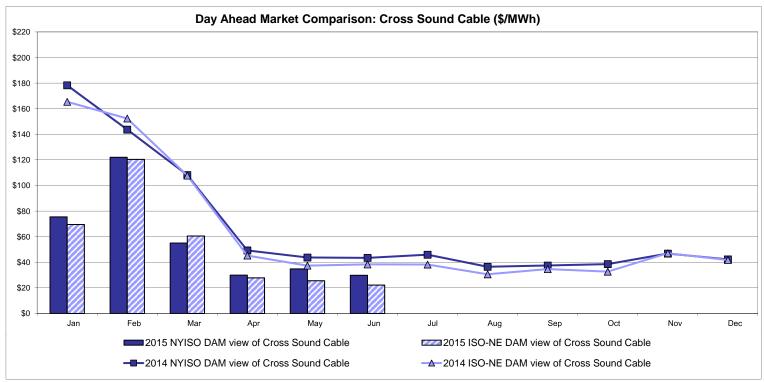


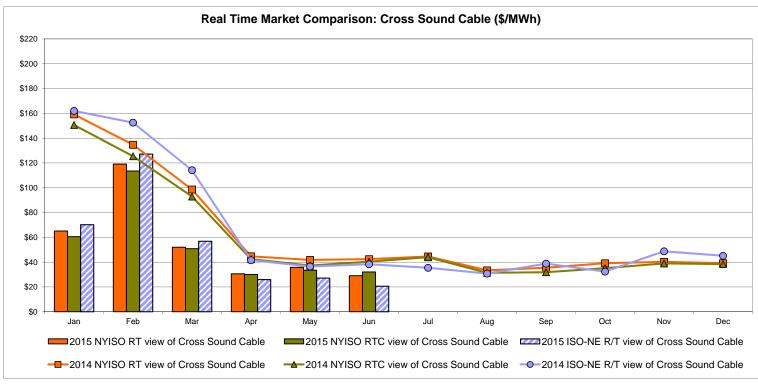


Notes: Exchange factor used for June 2015 was 0.809127 to US

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

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





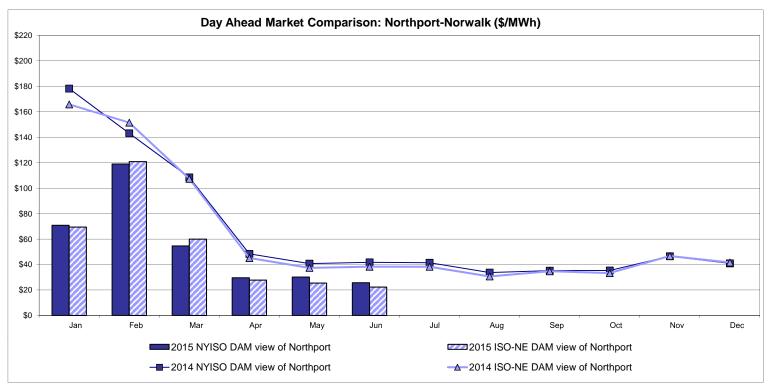
#### Note:

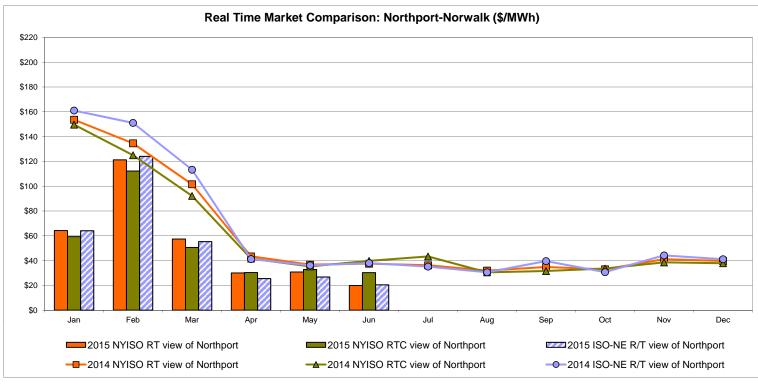
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)**





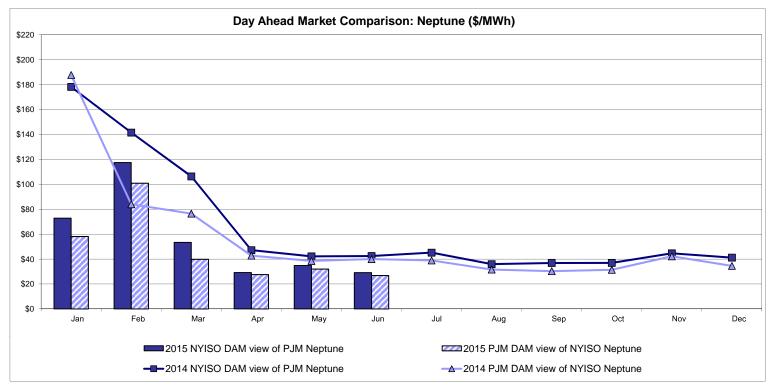
#### Note:

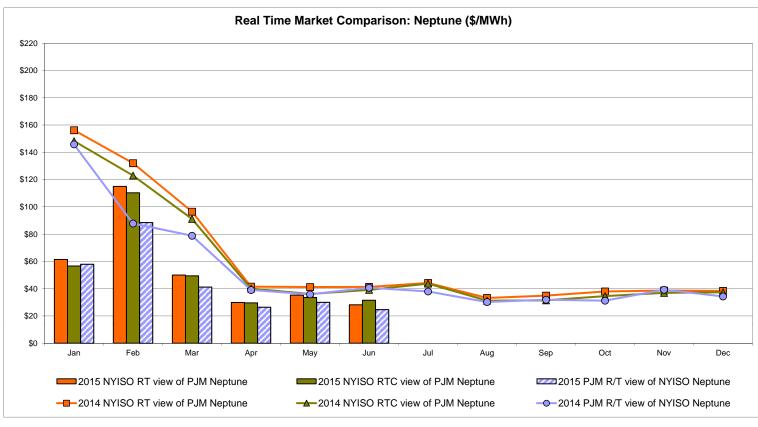
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

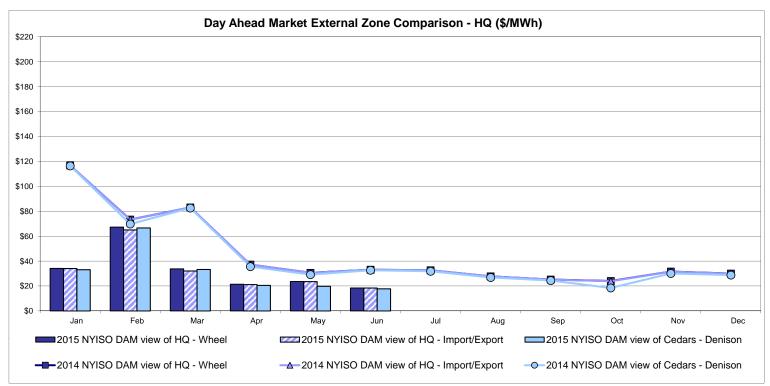
The DAM and R/T prices at the 1385 interface are used for NYISO.

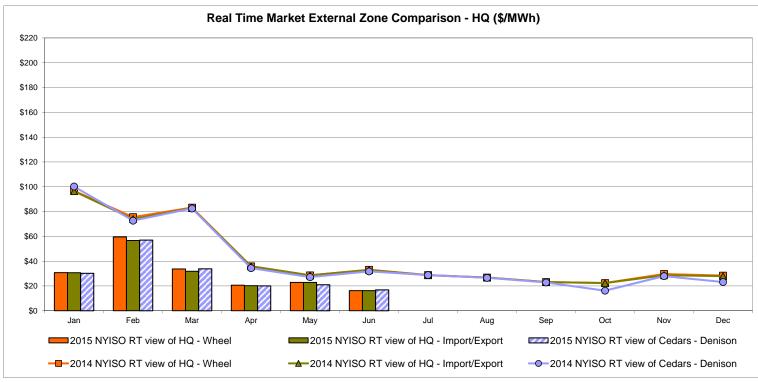
#### **External Controllable Line: Neptune (PJM)**





#### **External Comparison Hydro-Quebec**

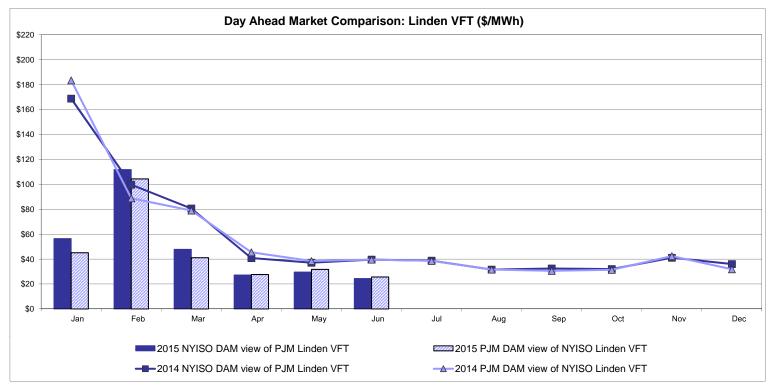


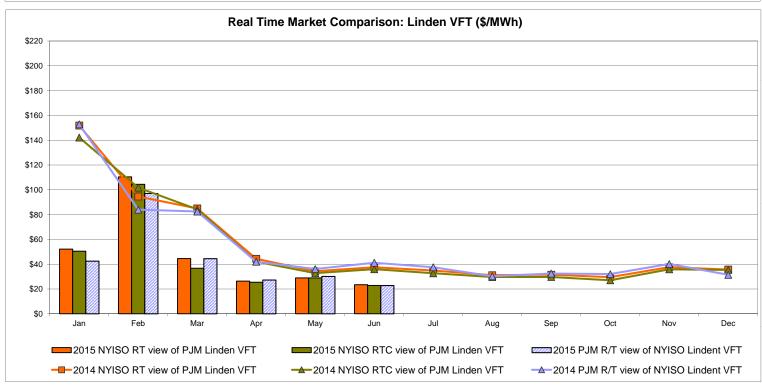


Note:

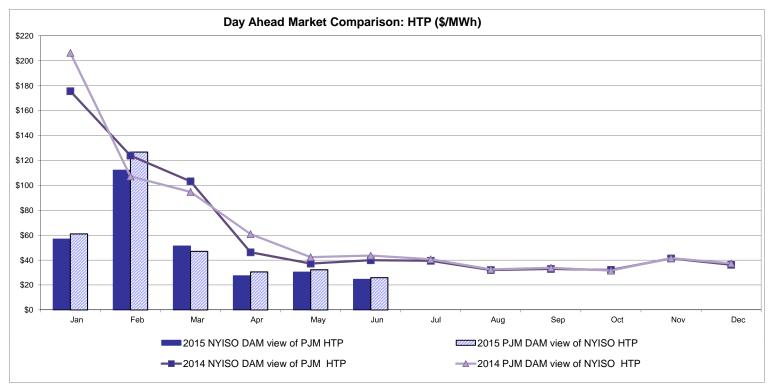
Hydro-Quebec Prices are unavailable.

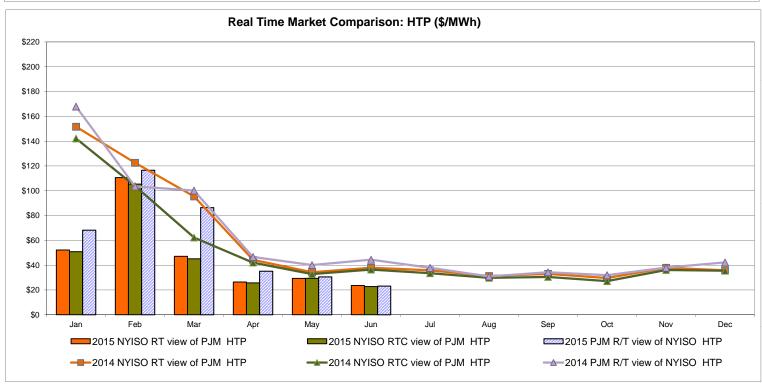
#### **External Controllable Line: Linden VFT (PJM)**





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



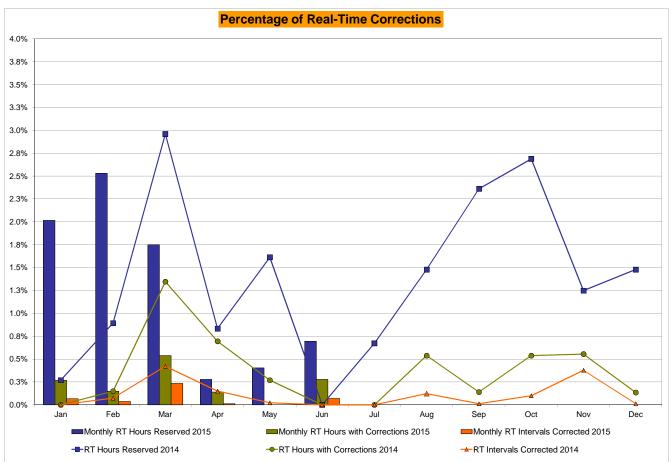


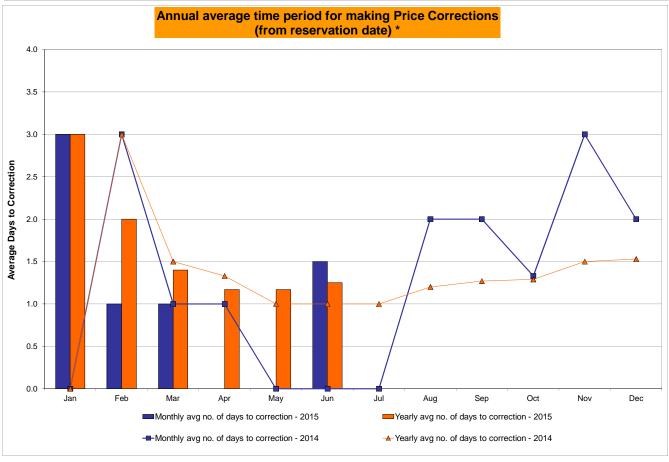
#### **NYISO Real Time Price Correction Statistics**

					O IXOUI II								
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
Number of hours with corrections	in the month	2	1	4	1	0	2						
Number of hours	in the month	744	672	743	720	744	720						
% of hours with corrections	in the month	0.27%	0.15%	0.54%	0.14%	0.00%	0.28%						
% of hours with corrections	year-to-date	0.27%	0.21%	0.32%	0.28%	0.22%	0.23%						
Interval Corrections	your to date	0.21 70	0.2170	0.0270	0.2070	0.2270	0.2070						
Number of intervals corrected	in the month	6	3	21	1	0	6						
Number of intervals	in the month	9,066	8,231	9,005	8,696	9,032	8,731						
% of intervals corrected	in the month	0.07%	0.04%	0.23%	0.01%	0.00%	0.07%						
% of intervals corrected	year-to-date	0.07%	0.05%	0.11%	0.09%	0.07%	0.07%						
Hours Reserved	year-to-date	0.07%	0.05%	0.11%	0.09%	0.07%	0.07%						<del></del>
Number of hours reserved	in the month	15	17	13	2	3	5						
Number of hours	in the month	744	672	743	720	3 744	720						
							720 0.69%						
% of hours reserved	in the month	2.02%	2.53%	1.75%	0.28%	0.40%	0.69%						
% of hours reserved	year-to-date	2.02%	2.26%	2.08%	1.63%	1.38%	1.27%						
Days to Correction *													
Avg. number of days to correction	in the month	3.00	1.00	1.00	0.00	0.00	1.50						
Avg. number of days to correction	year-to-date	3.00	2.00	1.40	1.17	1.17	1.25						
Days Without Corrections													
Days without corrections	in the month	30	27	28	29	31	28						
Days without corrections	year-to-date	30	57	85	114	145	173						
2014		January	February	March	April	May	June	July	August	September	October	November	December
2014 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
	in the month	<u>January</u> 0	<u>February</u> 1	March 10	<u>April</u> 5	<u>May</u> 2	<u>June</u> 0	<u>July</u> 0	August 4	September 1	October 4	November 4	<u>December</u>
Hour Corrections	in the month							<del></del>			·		
Hour Corrections  Number of hours with corrections		0	1	10	5	2	0	0	4	1	4	4	1
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	0 744 0.00%	1 672 0.15%	10 743 1.35%	5 720 0.69%	2 744 0.27%	0 720 0.00%	0 744 0.00%	4 744 0.54%	1 720 0.14%	4 744 0.54%	4 721 0.55%	1 744 0.13%
Hour Corrections  Number of hours with corrections  Number of hours	in the month	0 744	1 672	10 743	5 720	2 744	0 720	0 744	4 744	1 720	4 744	4 721	1 744
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month in the month	0 744 0.00%	1 672 0.15%	10 743 1.35%	5 720 0.69%	2 744 0.27%	0 720 0.00%	0 744 0.00%	4 744 0.54%	1 720 0.14%	4 744 0.54%	4 721 0.55%	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	0 744 0.00% 0.00%	1 672 0.15% 0.07%	10 743 1.35% 0.51%	5 720 0.69% 0.56%	2 744 0.27% 0.50%	0 720 0.00% 0.41%	0 744 0.00% 0.35%	4 744 0.54% 0.38%	1 720 0.14% 0.35%	4 744 0.54% 0.37%	4 721 0.55% 0.39%	1 744 0.13% 0.37%
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	0 744 0.00% 0.00%	1 672 0.15% 0.07%	10 743 1.35% 0.51%	5 720 0.69% 0.56%	2 744 0.27% 0.50%	0 720 0.00% 0.41%	0 744 0.00% 0.35%	4 744 0.54% 0.38%	1 720 0.14% 0.35%	4 744 0.54% 0.37%	4 721 0.55% 0.39%	1 744 0.13% 0.37%
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	0 744 0.00% 0.00% 0 9,232 0.00%	1 672 0.15% 0.07% 6 8,205 0.07%	10 743 1.35% 0.51% 38 9,023 0.42%	5 720 0.69% 0.56% 13 8,720 0.15%	2 744 0.27% 0.50% 2 9,030 0.02%	0 720 0.00% 0.41% 0 8,729 0.00%	0 744 0.00% 0.35% 0 8,999 0.00%	4 744 0.54% 0.38% 11 8,975 0.12%	1 720 0.14% 0.35% 1 8,779 0.01%	4 744 0.54% 0.37% 9 9,026 0.10%	4 721 0.55% 0.39% 33 8,763 0.38%	1 744 0.13% 0.37% 1 9,030 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	0 744 0.00% 0.00% 0 9,232	1 672 0.15% 0.07% 6 8,205	10 743 1.35% 0.51% 38 9,023	5 720 0.69% 0.56% 13 8,720	2 744 0.27% 0.50% 2 9,030	0 720 0.00% 0.41% 0 8,729	0 744 0.00% 0.35% 0 8,999	4 744 0.54% 0.38%	1 720 0.14% 0.35% 1 8,779	4 744 0.54% 0.37% 9 9,026	4 721 0.55% 0.39% 33 8,763	1 744 0.13% 0.37% 1 9,030
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	0 744 0.00% 0.00% 0 9,232 0.00% 0.00%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11%
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	0 744 0.00% 0.00% 0 9,232 0.00% 0.00%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11%
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	0 744 0.00% 0.00% 0 9,232 0.00% 0.00%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744	4 721 0.55% 0.39% 33 8,763 0.38% 0.12%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11%
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	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 672 0.89%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720 0.83%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 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	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	0 744 0.00% 0.00% 0 9,232 0.00% 0.00%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744	4 721 0.55% 0.39% 33 8,763 0.38% 0.12%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11%
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	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 672 0.89% 0.56%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720 0.83% 1.25%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32%	0 720 0.00% 0.41%  0 8,729 0.00% 0.11%  0 720 0.00% 1.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38%
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	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 672 0.89% 0.56%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720 0.83% 1.25%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32%	0 720 0.00% 0.41%  0 8,729 0.00% 0.11%  0 720 0.00% 1.11%  0.00	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38%
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	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 672 0.89% 0.56%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720 0.83% 1.25%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32%	0 720 0.00% 0.41%  0 8,729 0.00% 0.11%  0 720 0.00% 1.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38%
Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Minterval 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 Days Without Corrections	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month year-to-date	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27% 0.27% 0.00 0.00	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 672 0.89% 0.56% 3.00 3.00	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720 0.83% 1.25% 1.00 1.33	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32% 0.00 1.00	0 720 0.00% 0.41%  0 8,729 0.00% 0.11%  0 720 0.00% 1.11%  0.00 1.00	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10% 2.00 1.20	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24% 2.00 1.27	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38% 1.29	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37% 3.00 1.50	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38% 2.00 1.53
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	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 672 0.89% 0.56%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720 0.83% 1.25%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32%	0 720 0.00% 0.41%  0 8,729 0.00% 0.11%  0 720 0.00% 1.11%  0.00	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38%

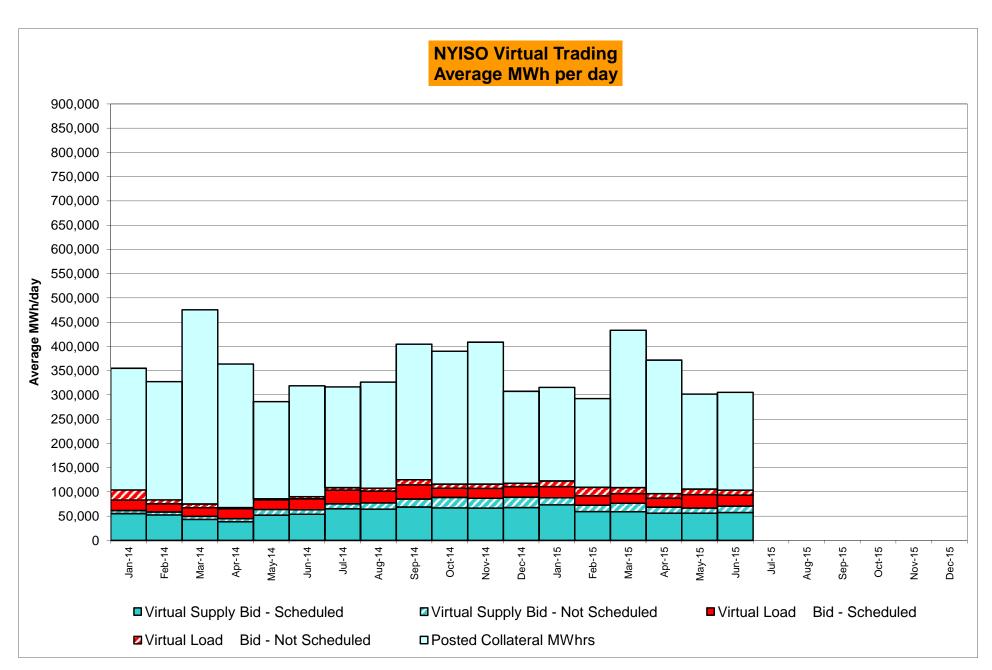
<sup>\*</sup> Calendar days from reservation date.

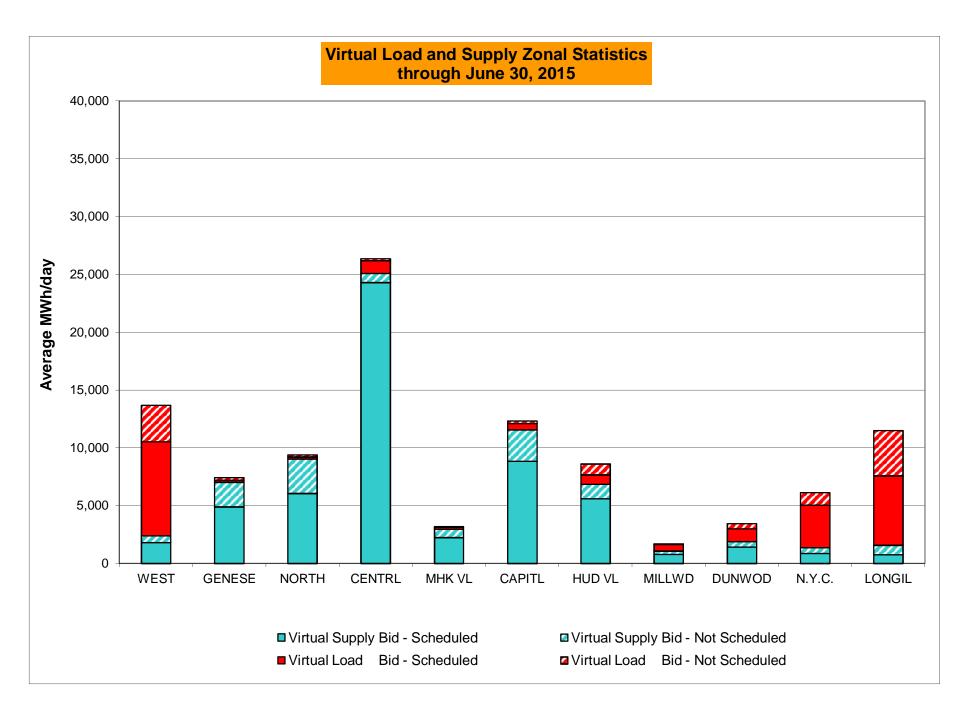
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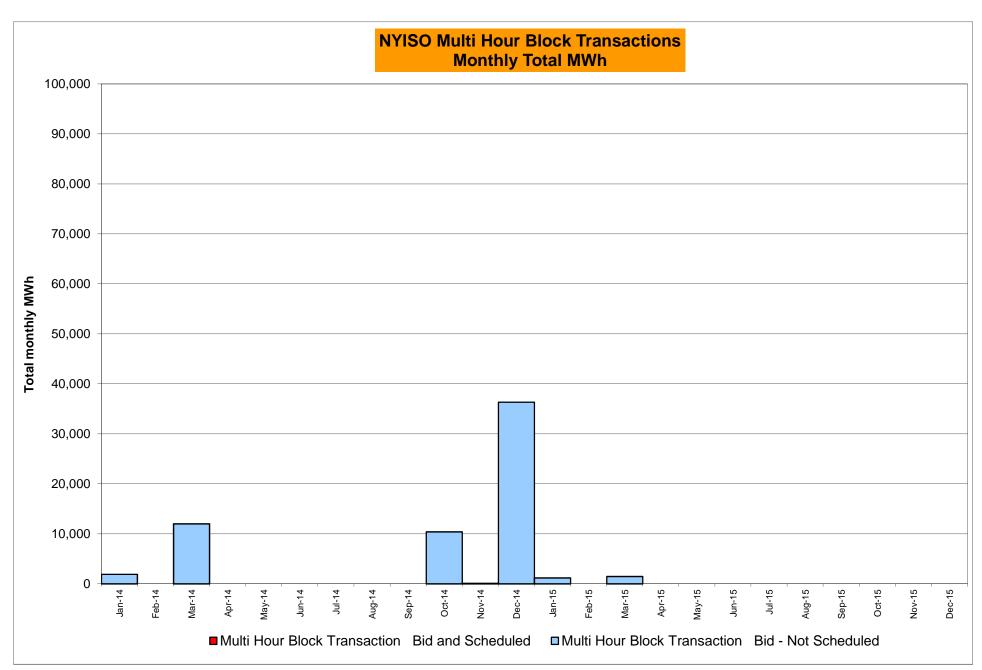


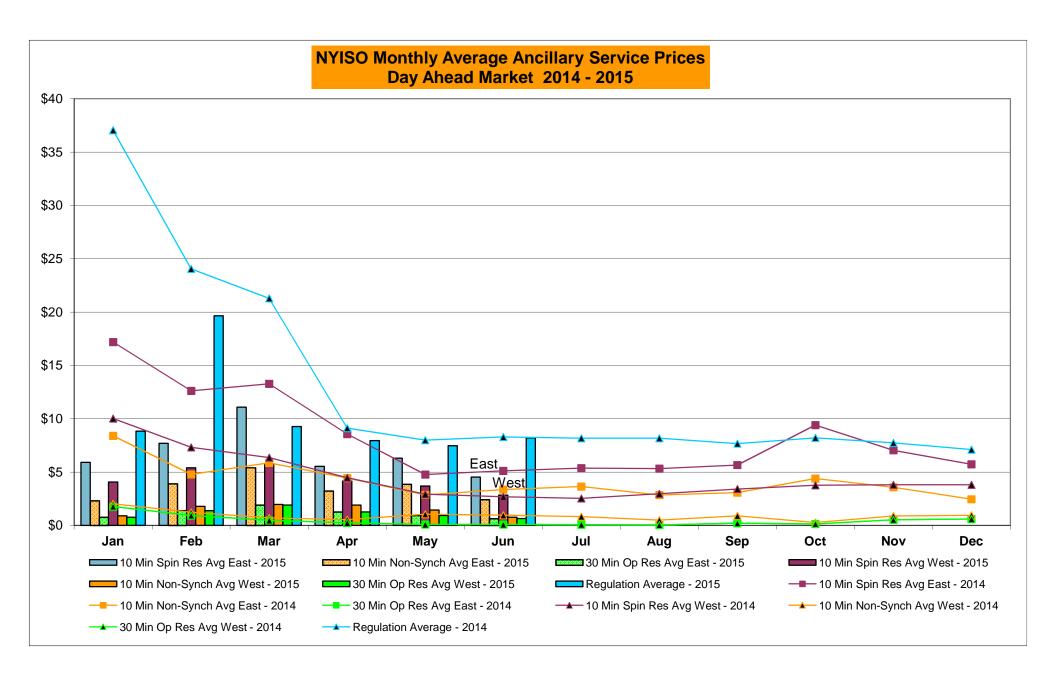
<sup>\*</sup> Calendar days from reservation date.

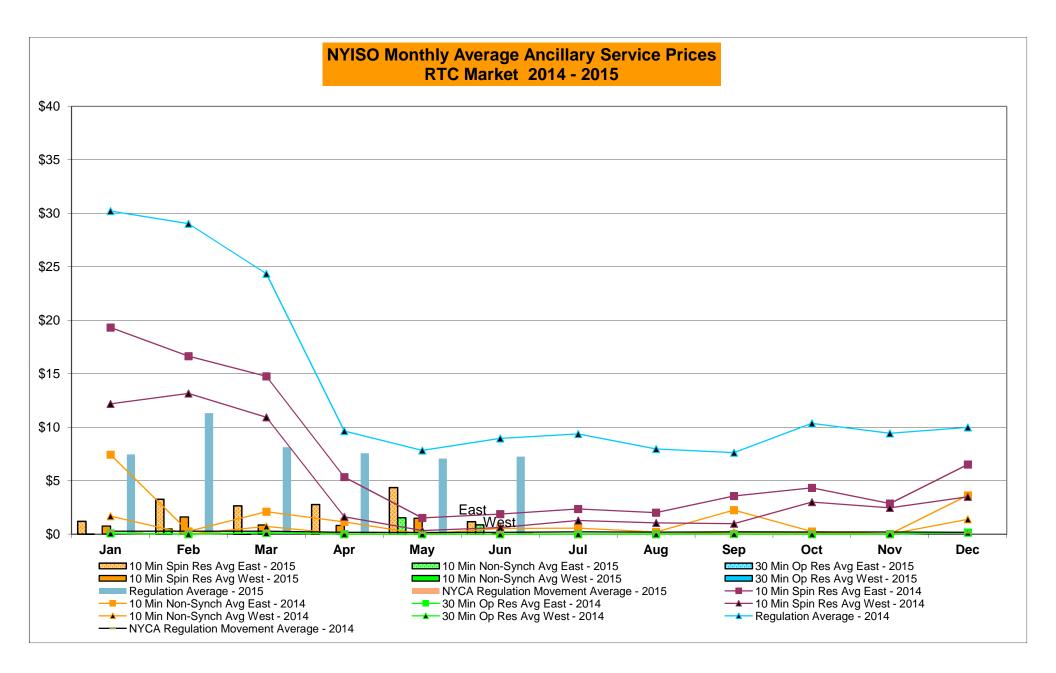


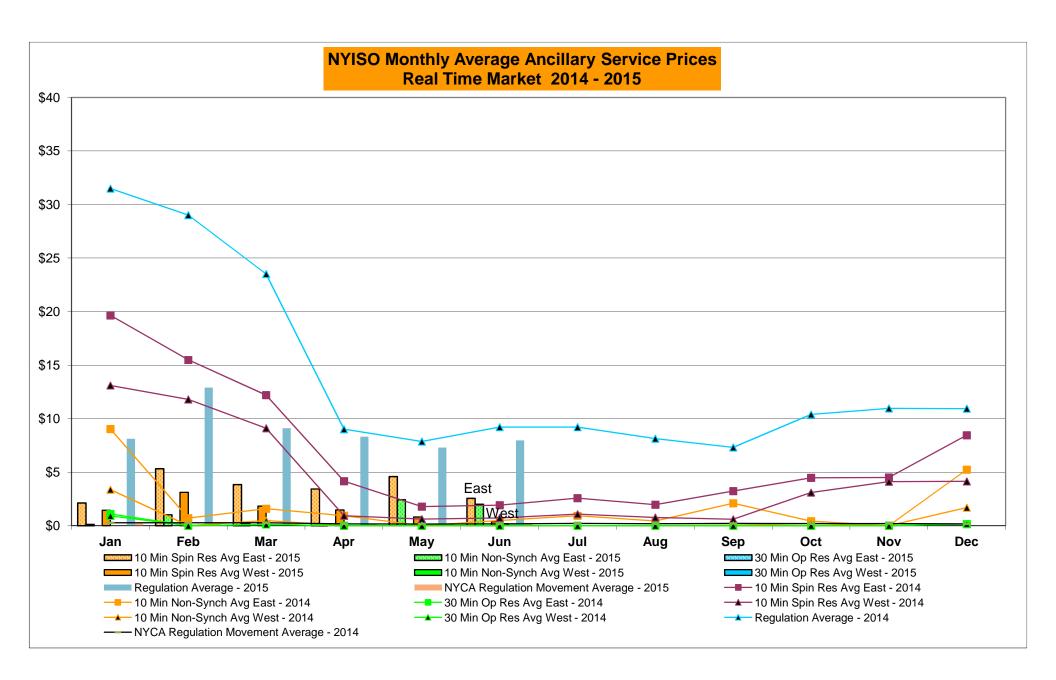


<u> </u>					<u>Virtual L</u>	oad and	Supp	ly Zonal	Statistic	s (Avera	ge MWh/da	y) - 2015					
		Virtual L	oad Bid	Virtual S	upply Bid			Virtual L	oad Bid	Virtual Su	pply Bid			Virtual I	Load Bid	Virtual S	upply Bid
Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled
WEST	Jan-15	6,244	977	3,837	688	MHK VL	Jan-15	534	185	1,757	1,021	DUNWOD	Jan-15				
	Feb-15	3,180	1,570	3,288	936		Feb-15	901	790	1,446	812		Feb-15				
	Mar-15	5,796	1,992	3,185	1,223		Mar-15	626	458		718		Mar-15				536
	Apr-15	6,734	1,797	1,790	419		Apr-15	293	226		867		Apr-15				
	May-15	9,778	3,320	1,381	465		May-15	248	102		482		May-15				
1	Jun-15	8,135	3,156	1,800	584		Jun-15	151	24	2,252	734		Jun-15		434	1,435	462
1	Jul-15						Jul-15						Jul-15			<b></b>	
1	Aug-15						Aug-15						Aug-15			<b></b>	
1	Sep-15						Sep-15						Sep-15			<del>                                     </del>	
1	Oct-15						Oct-15						Oct-15			<del>                                     </del>	
	Nov-15						Nov-15						Nov-15			<b>—</b>	
	Dec-15						Dec-15						Dec-15			<b></b>	
GENESE	Jan-15	444	147	9,467	1,422	CAPITL	Jan-15	1,816	1,292	9,400	1,563	N.Y.C.	Jan-15	3,367	1,572	887	2,429
	Feb-15	229	347	7,477	1,425		Feb-15	3,192	3,267	6,354	2,035		Feb-15	2,944	2,375	658	690
1	Mar-15	452	350	7,559	2,735		Mar-15	2,234	2,029	6,772	2,411		Mar-15				
1	Apr-15	161	254	4,771	1,991		Apr-15	1,558	991	7,368	2,215		Apr-15			808	
1	May-15	349	167	4,831	1,643		May-15	1,518	201	7,032	1,751		May-15			918	
1	Jun-15	188	229	4,911	2,115		Jun-15	563	230	8,840	2,709		Jun-15		1,091	864	494
1	Jul-15						Jul-15						Jul-15			<b></b>	
1	Aug-15						Aug-15						Aug-15			<b></b>	
1	Sep-15						Sep-15						Sep-15			<del>                                     </del>	
1	Oct-15						Oct-15						Oct-15			<del>                                     </del>	
1	Nov-15						Nov-15						Nov-15 Dec-15			<u> </u>	
	Dec-15						Dec-15						Dec-15				
NORTH	Jan-15	537	300	7,590	2,868	HUD VL	Jan-15	1,006	1,747	4,703	2,133	LONGIL	Jan-15				
	Feb-15	274	423	7,361	1,898		Feb-15	769	2,147	2,841	2,800		Feb-15			613	
1	Mar-15 Apr-15	422 223	572 366	6,213 8,249	2,540 3,243		Mar-15	747 1,180	1,578 1,056	5,045 6,875	3,272 1,292		Mar-15 Apr-15			464 760	
	May-15	263	255	7,237	3,146		Apr-15 May-15	1,160	1,372		1,488		May-15		,		
1	Jun-15	169	196	6,060	2,977		Jun-15	825	914	5,600	1,251		Jun-15				
1	Jul-15	103	190	0,000	2,311		Jul-15	023	314	3,000	1,201		Jul-15		3,310	700	132
1	Aug-15						Aug-15						Aug-15				-
1	Sep-15						Sep-15						Sep-15				
1	Oct-15						Oct-15						Oct-15				
1	Nov-15						Nov-15						Nov-15				
1	Dec-15						Dec-15						Dec-15				
CENTRL	Jan-15	2,414	939	33,426	776	MILLWD	Jan-15	418	244	716	192	NYISO	Jan-15			73,161	
1	Feb-15	2,306	1,265	28,050	579		Feb-15	562	674	627	186		Feb-15	,		,	
1	Mar-15	1,168	538	24,644	587		Mar-15	377	389	947	287		Mar-15	,			
1	Apr-15	927	311	20,024	588	<u> </u>	Apr-15	174	239	979	298		Apr-15				
1	May-15	908	249	24,901	400		May-15	497	126		200		May-15		11,315	,	
	Jun-15	1,104	194	24,287	791	_	Jun-15	588	24	790	277	$\dashv$	Jun-15		10,411	57,608	13,186
	Jul-15					_	Jul-15					$\dashv$	Jul-15			<del>                                     </del>	-
	Aug-15					_	Aug-15						Aug-15				<del>                                     </del>
	Sep-15					<del> </del>	Sep-15						Sep-15				<del> </del>
	Oct-15					<del> </del>	Oct-15					_	Oct-15				<del>                                     </del>
	Nov-15 Dec-15					<del> </del>	Nov-15 Dec-15						Nov-15 Dec-15				<del> </del>







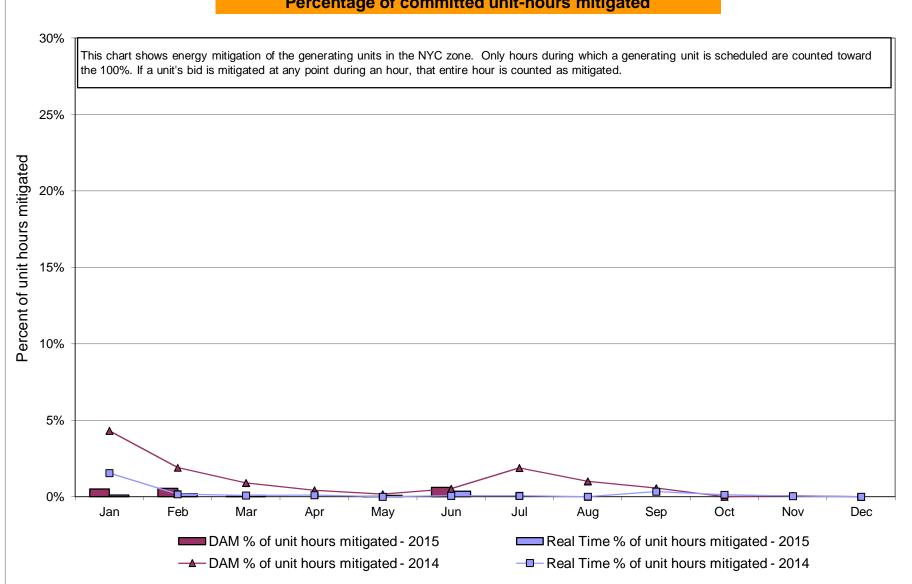


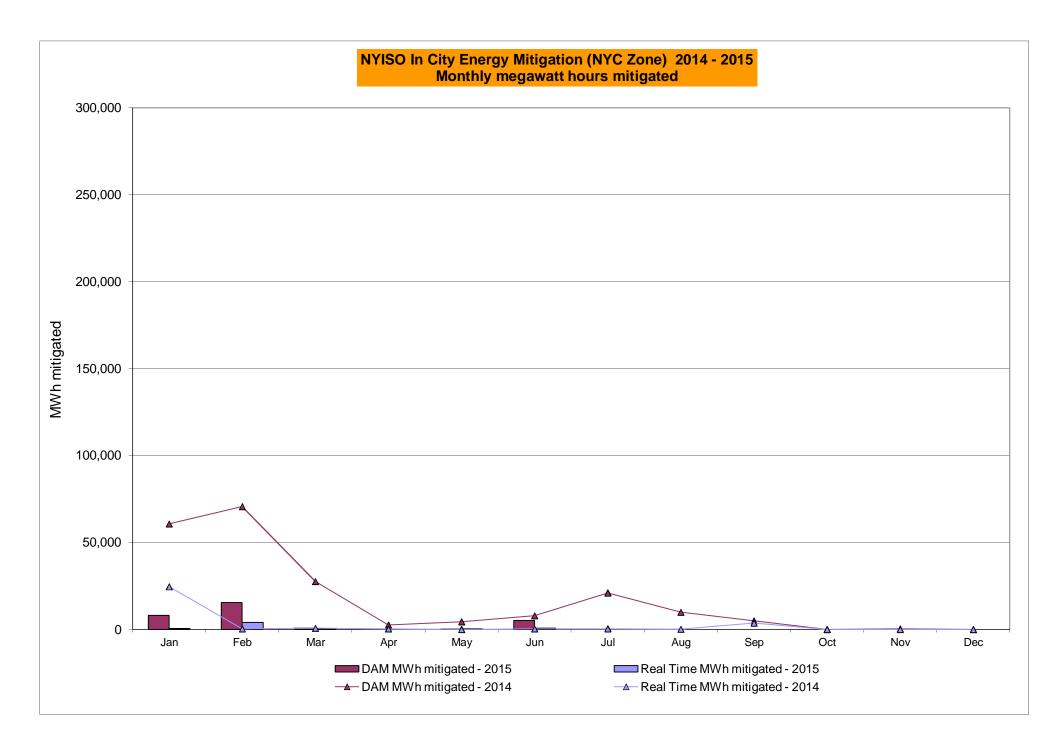
#### NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

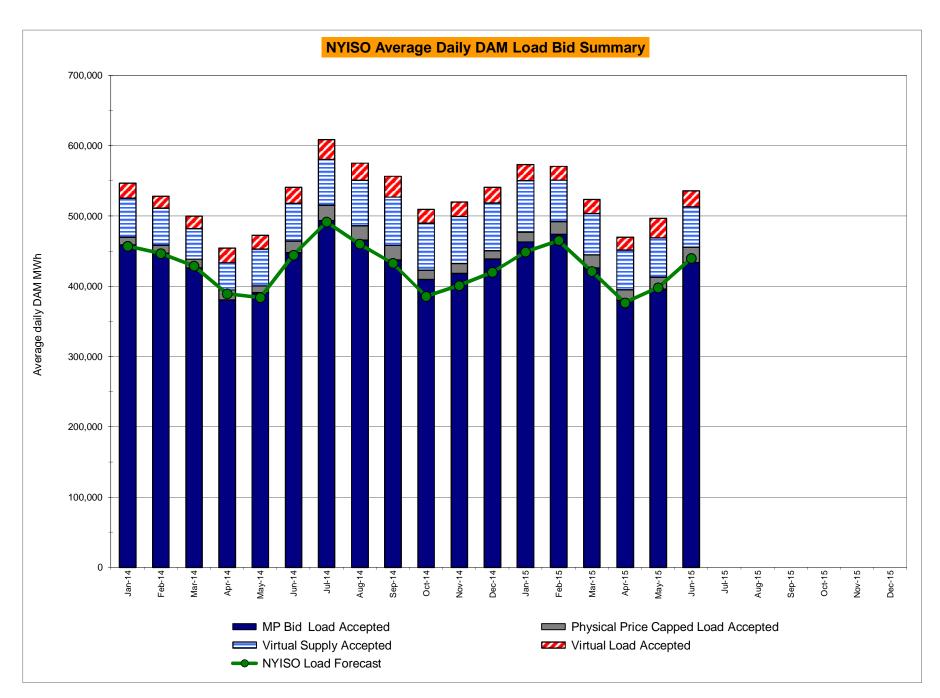
	<u> -</u>	NTIOU WAIK	<del></del>	,		0		<u></u>				
2015	<u>January</u>	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
Day Ahead Market												
10 Min Spin East	5.92	7.69	11.09	5.53	6.31	4.53						
10 Min Spin West	4.07	5.40	5.68	4.16	3.69	2.84						
10 Min Non Synch East	2.30	3.89	5.40	3.22	3.84	2.42						
10 Min Non Synch West	0.90	1.79	1.97	1.91	1.45	0.77						
30 Min East	0.90	1.38	1.91	1.26	0.93	0.64						
30 Min West	0.77				0.93							
		1.38	1.91	1.26		0.64						
Regulation	8.84	19.65	9.27	7.94	7.48	8.20						
RTC Market												
10 Min Spin East	1.20	3.27	2.64	2.77	4.36	1.18						
10 Min Spin West	0.74	1.61	0.86	0.81	1.48	0.04						
10 Min Non Synch East	0.01	0.48	0.01	0.00	1.54	0.87						
10 Min Non Synch West	0.00	0.00	0.00	0.00	0.00	0.00						
30 Min East	0.00	0.00	0.00	0.00	0.00	0.00						
30 Min West	0.00	0.00	0.00	0.00	0.00	0.00						
Regulation	7.45				7.06	7.24						
•		11.32	8.13	7.56								
NYCA Regulation Movement	0.21	0.21	0.16	0.22	0.16	0.24						
Real Time Market												
10 Min Spin East	2.12	5.31	3.84	3.44	4.59	2.56						
10 Min Spin West	1.44	3.11	1.83	1.46	0.81	0.38						
10 Min Non Synch East	0.12	1.03	0.17	0.01	2.41	2.01						
10 Min Non Synch West	0.00	0.00	0.00	0.00	0.00	0.19						
30 Min East	0.00	0.00	0.00	0.00	0.00	0.02						
30 Min West	0.00	0.00	0.00	0.00	0.00	0.02						
Regulation	8.12	12.91	9.11	8.32	7.30	7.97						
NYCA Regulation Movement	0.20	0.21	0.17	0.15	0.16	0.24						
NTOA Regulation Movement	0.20	0.21	0.17	0.15	0.10	0.24						
<u>2014</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
2014 Day Ahead Market	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	October	November	December
	<u>January</u> 17.19	February 12.62	<u>March</u> 13.27	<u>April</u> 8.57	<u>May</u> 4.77	<u>June</u> 5.11	<u>July</u> 5.37	August 5.33	September 5.66	October 9.41	November 7.04	December 5.73
Day Ahead Market	•	-			-		-	-	•			
Day Ahead Market 10 Min Spin East	17.19	12.62	13.27	8.57	4.77	5.11	5.37	5.33	5.66	9.41	7.04	5.73
Day Ahead Market  10 Min Spin East 10 Min Spin West	17.19 10.02	12.62 7.32	13.27 6.36	8.57 4.47	4.77 2.92	5.11 2.69	5.37 2.54	5.33 2.96	5.66 3.41	9.41 3.76	7.04 3.82	5.73 3.82
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West	17.19 10.02 8.40 2.02	12.62 7.32 4.78 1.23	13.27 6.36 5.86	8.57 4.47 4.44 0.55	4.77 2.92 2.86	5.11 2.69 3.37 0.96	5.37 2.54 3.65	5.33 2.96 2.85 0.49	5.66 3.41 3.08	9.41 3.76 4.40	7.04 3.82 3.58 0.89	5.73 3.82 2.45 0.95
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East	17.19 10.02 8.40 2.02 1.77	12.62 7.32 4.78 1.23 0.93	13.27 6.36 5.86 0.70 0.47	8.57 4.47 4.44 0.55 0.24	4.77 2.92 2.86 1.06 0.09	5.11 2.69 3.37 0.96 0.08	5.37 2.54 3.65 0.83 0.08	5.33 2.96 2.85 0.49 0.04	5.66 3.41 3.08 0.91 0.21	9.41 3.76 4.40 0.27 0.14	7.04 3.82 3.58 0.89 0.53	5.73 3.82 2.45 0.95 0.60
Day Ahead Market  10 Min Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch West  30 Min East  30 Min East	17.19 10.02 8.40 2.02 1.77 1.77	12.62 7.32 4.78 1.23 0.93 0.93	13.27 6.36 5.86 0.70 0.47 0.47	8.57 4.47 4.44 0.55 0.24	4.77 2.92 2.86 1.06 0.09 0.09	5.11 2.69 3.37 0.96 0.08 0.08	5.37 2.54 3.65 0.83 0.08 0.08	5.33 2.96 2.85 0.49 0.04	5.66 3.41 3.08 0.91 0.21 0.21	9.41 3.76 4.40 0.27 0.14	7.04 3.82 3.58 0.89 0.53 0.53	5.73 3.82 2.45 0.95 0.60 0.60
Day Ahead 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	17.19 10.02 8.40 2.02 1.77	12.62 7.32 4.78 1.23 0.93	13.27 6.36 5.86 0.70 0.47	8.57 4.47 4.44 0.55 0.24	4.77 2.92 2.86 1.06 0.09	5.11 2.69 3.37 0.96 0.08	5.37 2.54 3.65 0.83 0.08	5.33 2.96 2.85 0.49 0.04	5.66 3.41 3.08 0.91 0.21	9.41 3.76 4.40 0.27 0.14	7.04 3.82 3.58 0.89 0.53	5.73 3.82 2.45 0.95 0.60
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation  RTC Market	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05	13.27 6.36 5.86 0.70 0.47 0.47 21.29	8.57 4.47 4.44 0.55 0.24 0.24 9.12	4.77 2.92 2.86 1.06 0.09 0.09 7.99	5.11 2.69 3.37 0.96 0.08 0.08 8.30	5.37 2.54 3.65 0.83 0.08 0.08 8.18	5.33 2.96 2.85 0.49 0.04 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67	9.41 3.76 4.40 0.27 0.14 0.14 8.21	7.04 3.82 3.58 0.89 0.53 0.53 7.74	5.73 3.82 2.45 0.95 0.60 0.60 7.12
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min West Regulation  RTC Market 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05	13.27 6.36 5.86 0.70 0.47 0.47 21.29	8.57 4.47 4.44 0.55 0.24 0.24 9.12	4.77 2.92 2.86 1.06 0.09 0.09 7.99	5.11 2.69 3.37 0.96 0.08 0.08 8.30	5.37 2.54 3.65 0.83 0.08 0.08 8.18	5.33 2.96 2.85 0.49 0.04 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67	9.41 3.76 4.40 0.27 0.14 0.14 8.21	7.04 3.82 3.58 0.89 0.53 0.53 7.74	5.73 3.82 2.45 0.95 0.60 0.60 7.12
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation  RTC Market 10 Min Spin East 10 Min Spin West	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61	4.77 2.92 2.86 1.06 0.09 0.09 7.99	5.11 2.69 3.37 0.96 0.08 0.08 8.30	5.37 2.54 3.65 0.83 0.08 0.08 8.18	5.33 2.96 2.85 0.49 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99	7.04 3.82 3.58 0.89 0.53 0.53 7.74	5.73 3.82 2.45 0.95 0.60 0.60 7.12
Day Ahead 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 Spin East  10 Min Spin West  10 Min Spin West  10 Min Non Synch East	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10	8.57 4.47 4.44 0.55 0.24 0.24 9.12	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30	5.37 2.54 3.65 0.83 0.08 0.08 8.18	5.33 2.96 2.85 0.49 0.04 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67	9.41 3.76 4.40 0.27 0.14 0.14 8.21	7.04 3.82 3.58 0.89 0.53 0.53 7.74	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation  RTC Market 10 Min Spin East 10 Min Spin West	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61	4.77 2.92 2.86 1.06 0.09 0.09 7.99	5.11 2.69 3.37 0.96 0.08 0.08 8.30	5.37 2.54 3.65 0.83 0.08 0.08 8.18	5.33 2.96 2.85 0.49 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99	7.04 3.82 3.58 0.89 0.53 0.53 7.74	5.73 3.82 2.45 0.95 0.60 0.60 7.12
Day Ahead 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 Spin East  10 Min Spin West  10 Min Spin West  10 Min Non Synch East	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55	5.33 2.96 2.85 0.49 0.04 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62
Day Ahead 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 Spin East  10 Min Spin West  10 Min Synch East  10 Min Non Synch East  10 Min Non Synch East	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39
Day Ahead 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 Spin East  10 Min Spin West  10 Min Non Synch East  10 Min Non Synch East  10 Min Non Synch West  30 Min East	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 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 Non Synch West 30 Min East 30 Min West	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15
Day Ahead 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 Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch East 30 Min East 30 Min East 30 Min West Regulation NYCA Regulation Movement	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 0.00 29.03	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 0.00 7.83	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 9.42	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 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 30 Min East 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market	17.19 10.02 8.40 2.02 1.77 1.77 37.05  19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20	7.04 3.82 3.58 0.89 0.53 0.53 7.74  2.86 2.46 0.00 0.00 0.00 0.00 9.42 0.20	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 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 East 10 Min West Regulation NYCA Regulation Movement  Real Time Market 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05  19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 9.42 0.20	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 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 West Regulation Non Synch East 10 Min East 30 Min East 30 Min West Regulation NYCA Regulation Movement  Real Time Market 10 Min Spin East 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05  19.32 12.18 7.43 1.68 0.08 30.21 0.28	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67  3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21  3.23 0.60	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10	7.04 3.82 3.58 0.89 0.53 0.53 7.74  2.86 2.46 0.00 0.00 0.00 0.00 9.42 0.20  4.51 4.12	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 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 Non Synch West 30 Min East 30 Min East 30 Min West Regulation NYCA Regulation Movement  Real Time Market 10 Min Spin East 10 Min Spin East 10 Min Spin East 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05  19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67  3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21  3.23 0.60 2.09	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10 0.42	7.04 3.82 3.58 0.89 0.53 0.53 7.74  2.86 2.46 0.00 0.00 0.00 9.42 0.20  4.51 4.12 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
Day Ahead 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 Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch East 30 Min East 30 Min West Regulation  NYCA Regulation Movement  Real Time Market 10 Min Spin East 10 Min Spin East 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05  19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10 0.42 0.20	7.04 3.82 3.58 0.89 0.53 0.53 7.74  2.86 2.46 0.00 0.00 0.00 9.42 0.20  4.51 4.12 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 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 Non Synch West 30 Min East 30 Min West Regulation NYCA Regulation Movement  Real Time Market 10 Min Spin West 10 Min Spin East 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East	17.19 10.02 8.40 2.02 1.77 1.77 37.05  19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28  19.64 13.10 9.03 3.37 1.10	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17 4.15 0.94 0.93 0.00 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00 0.00	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18 1.96 0.76 0.44 0.00 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67  3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21  3.23 0.60 2.09 0.05 0.00	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10 0.42 0.20 0.00	7.04 3.82 3.58 0.89 0.53 0.53 7.74  2.86 2.46 0.00 0.00 0.00 9.42 0.20  4.51 4.12 0.00 0.00 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
Day Ahead 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 Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch East 30 Min East 30 Min West Regulation  NYCA Regulation Movement  Real Time Market 10 Min Spin East 10 Min Spin East 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05  19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28  19.64 13.10 9.03 3.37 1.10 0.92	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27 15.48 11.80 0.70 0.00 0.00	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26 12.19 9.11 1.59 0.48 0.11 0.11	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17 4.15 0.93 0.00 0.00 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99  1.52 0.33 0.00 0.00 0.00 7.83 0.15  1.78 0.61 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 8.95 0.17 1.92 0.72 0.48 0.00 0.00	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00 0.00 0.00	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18 1.96 0.76 0.44 0.00 0.00 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67  3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21  3.23 0.60 2.09 0.05 0.00 0.00	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10 0.42 0.20 0.00 0.00	7.04 3.82 3.58 0.89 0.53 0.53 7.74  2.86 2.46 0.00 0.00 0.00 9.42 0.20  4.51 4.12 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17 8.45 4.14 5.23 1.69 0.16 0.16
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 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 Non Synch West 30 Min East 30 Min West Regulation NYCA Regulation Movement  Real Time Market 10 Min Spin West 10 Min Spin East 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East	17.19 10.02 8.40 2.02 1.77 1.77 37.05  19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28  19.64 13.10 9.03 3.37 1.10 0.92 31.50	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26 12.19 9.11 1.59 0.48 0.11 0.11 23.52	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17 4.15 0.94 0.93 0.00 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99  1.52 0.33 0.00 0.00 0.00 7.83 0.15  1.78 0.61 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00 0.00 0.00 9.21	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18 1.96 0.76 0.44 0.00 0.00 0.00 0.00 0.00 0.04	5.66 3.41 3.08 0.91 0.21 0.21 7.67  3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21  3.23 0.60 2.09 0.05 0.00 0.00 7.31	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10 0.42 0.20 0.00 10.39	7.04 3.82 3.58 0.89 0.53 0.53 7.74  2.86 2.46 0.00 0.00 0.00 9.42 0.20  4.51 4.12 0.00 0.00 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 0.15 9.99 0.17 8.45 4.14 5.23 1.69 0.16 0.16 0.16
Day Ahead Market  10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 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 East 30 Min East 30 Min West Regulation NYCA Regulation Movement  Real Time Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East	17.19 10.02 8.40 2.02 1.77 1.77 37.05  19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28  19.64 13.10 9.03 3.37 1.10 0.92	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27 15.48 11.80 0.70 0.00 0.00	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26 12.19 9.11 1.59 0.48 0.11 0.11	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17 4.15 0.93 0.00 0.00 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99  1.52 0.33 0.00 0.00 0.00 7.83 0.15  1.78 0.61 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 8.95 0.17 1.92 0.72 0.48 0.00 0.00	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00 0.00 0.00	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18 1.96 0.76 0.44 0.00 0.00 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67  3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21  3.23 0.60 2.09 0.05 0.00 0.00	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10 0.42 0.20 0.00 0.00	7.04 3.82 3.58 0.89 0.53 0.53 7.74  2.86 2.46 0.00 0.00 0.00 9.42 0.20  4.51 4.12 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17 8.45 4.14 5.23 1.69 0.16 0.16

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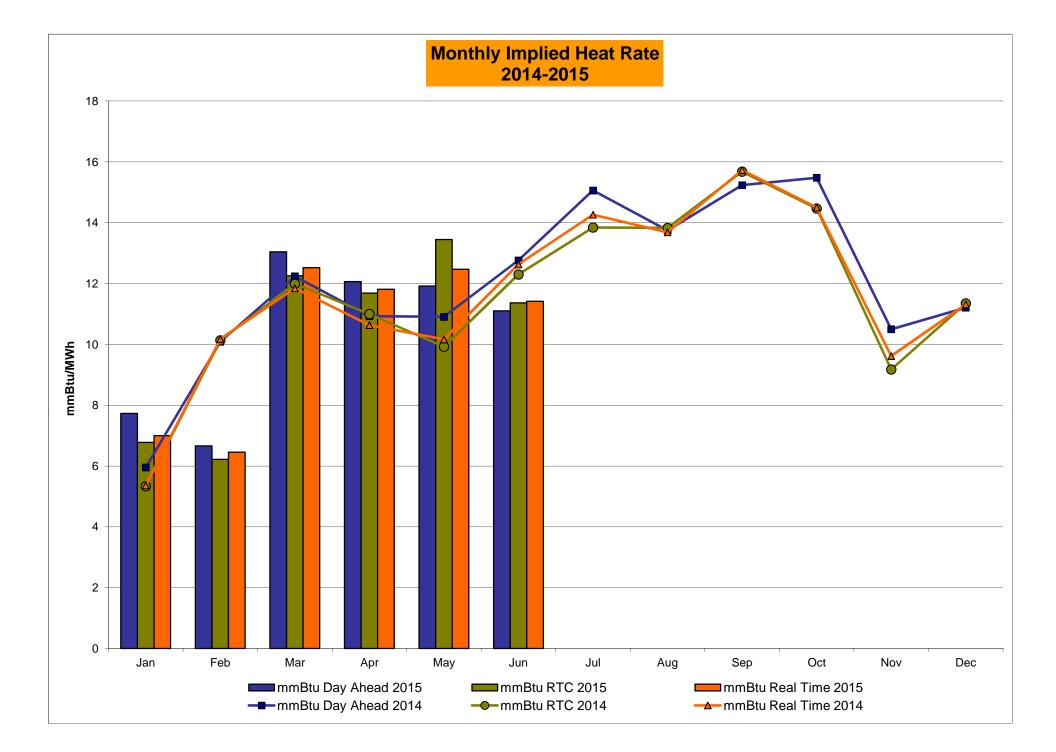




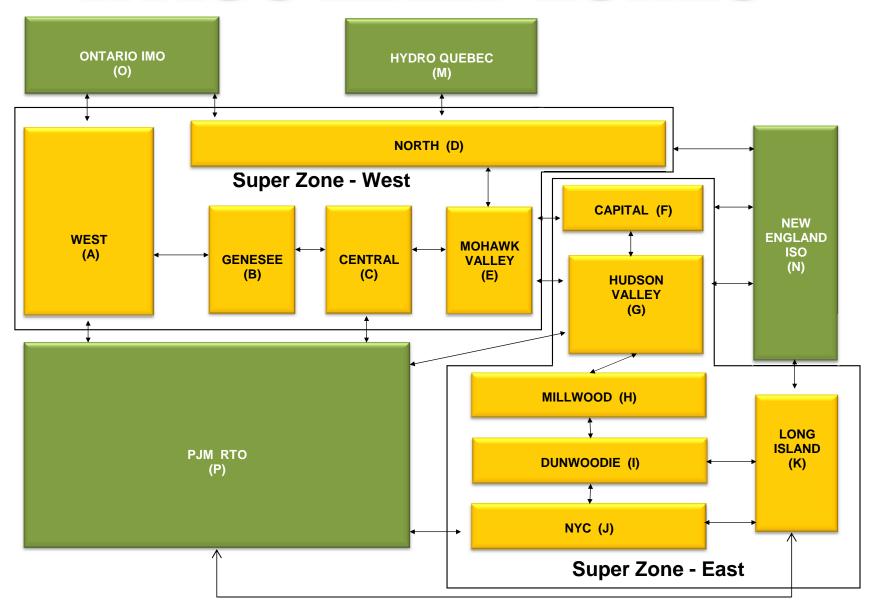




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## NYISO LBMP ZONES



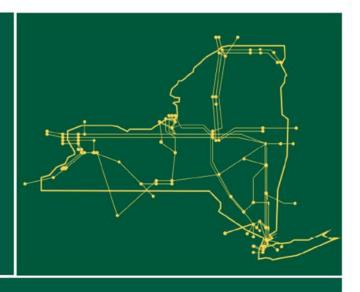
#### **Billing Codes for Chart 4-C**

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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