

# **NYISO CEO/COO Report**

Management Committee Meeting November 2, 2012

Agenda #3

# **Report Items**

# **CEO Report**

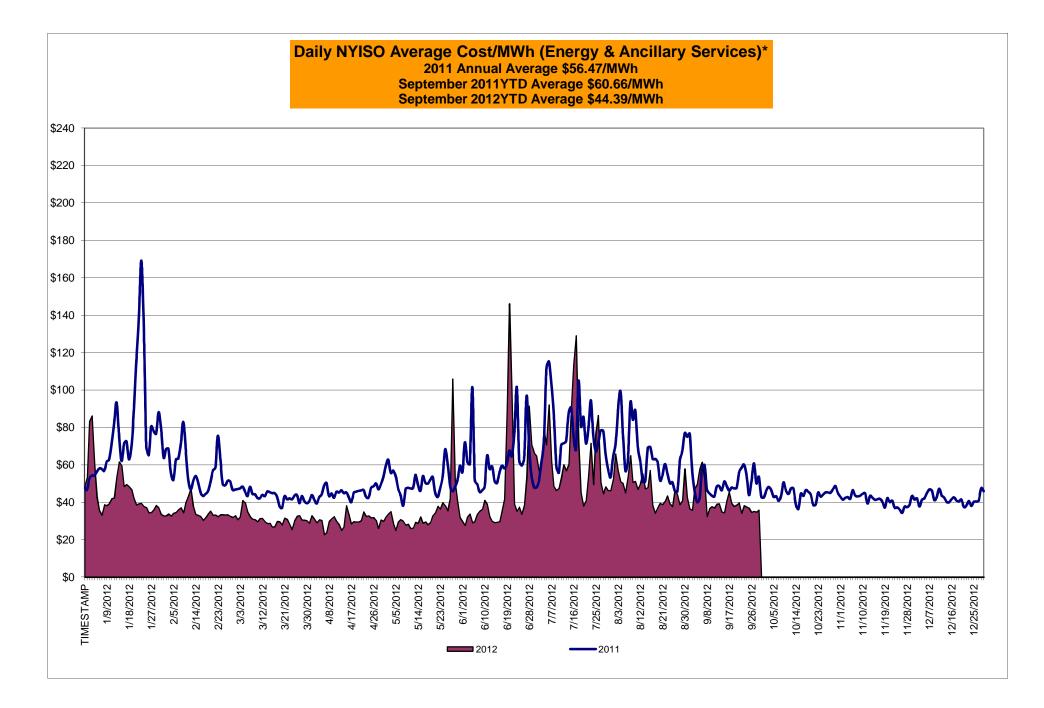
Infrastructure Master Plan

# COO Report

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

# Market Performance Highlights for September 2012

- LBMP for September is \$39.59/MWh, lower than \$46.22/MWh in August 2012.
  - Day Ahead and Real Time Load Weighted LBMPs are lower compared to August 2012.
- Average monthly year-to-date cost of \$44.39/MWh is a decrease from the previous month's \$44.79/MWh.
- Average daily sendout is 447GWh/day in September; lower than 529GWh/day in August 2012 and 456 GWh/day in September 2011.
- Natural gas prices are comparable while distillate prices are up compared to the previous month.
  - Natural Gas (Transco Z6 NY) is \$2.96/MMBtu, comparable to \$2.98/MMBtu in August.
  - Jet Kerosene Gulf Coast is \$23.74/MMBtu, up from \$23.33/MMBtu in August.
  - Ultra Low Sulfur No.2 Diesel NY Harbor is \$23.18/MMBtu, up from \$22.68/MMBtu in August.
- Uplift per MWh is lower compared to the previous month.
  - Uplift (not including NYISO cost of operations) is (\$0.40/MWh), lower than
     \$0.04/MWh in August.
    - The Local Reliability Share is \$0.20/MWh, lower than \$0.65 in August.
    - The Statewide Share is (\$0.59)/MWh, slightly higher than (\$0.61)/MWh in August.
  - TSA \$ per NYC MWh is \$0.59/MWh.
  - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than August.



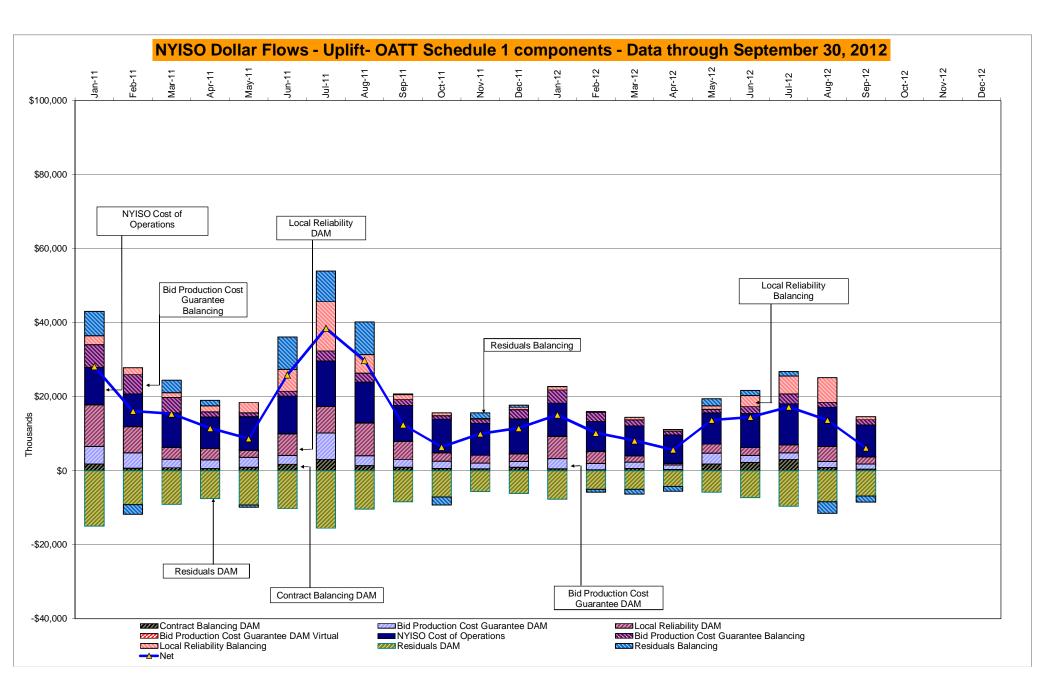
\* Excludes ICAP payments.

2012	January	February	March	April	May	June	<u>July</u>	<u>August</u>	September	October	November	December
LBMP	44.00	32.45	28.98	28.31	34.68	47.35	63.78	46.22	<u>39.59</u>		November	December
NTAC	44.00 0.85	0.80	0.68	0.71	0.72	0.77	0.58	40.22	0.47			
Reserve	0.35	0.00	0.38	0.32	0.12	0.36	0.36	0.22	0.23			
Regulation	0.00	0.23	0.30	0.32	0.09	0.30	0.30	0.22	0.09			
NYISO Cost of Operations	0.10	0.64	0.13	0.12	0.64	0.13	0.13	0.12	0.64			
Uplift	0.44	0.04	0.00	(0.18)	(0.11)	0.25	0.04	0.04	(0.40)			
Uplift: Local Reliability Share	0.49	0.27	0.19	0.07	0.25	0.36	0.41	0.65	0.20			
Uplift: Statewide Share	(0.05)	(0.10)	(0.19)	(0.25)	(0.36)	(0.11)	(0.33)	(0.61)	(0.59)			
Voltage Support and Black Start	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37			
	46.75	34.75	31.19	30.29	36.52	49.89	65.97	48.17	41.00			
Avg montiny cost	40.75	04.70	01.10	00.20	00.02	40.00	00.07	40.17	41.00			
Avg YTD Cost	46.75	41.12	37.96	36.09	36.18	38.82	44.17	44.79	44.39			
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	1.52	0.45	0.85	0.46	0.59			
	0.00	0.00	0.00	0.00	1.52	0.40	0.00	0.40	0.55			
2011	January	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
<b>2011</b> LBMP	<u>January</u> 74.91	<u>February</u> 55.60	<u>March</u> 46.98	<u>April</u> 46.44	<u>May</u> 48.49	<u>June</u> 60.33	<u>July</u> 75.76	<u>August</u> 56.04	<u>September</u> 46.86	<u>October</u> 42.49	<u>November</u> 38.97	<u>December</u> 39.73
LBMP	74.91	55.60	46.98	46.44	48.49	60.33	75.76	56.04	46.86	42.49	38.97	39.73
LBMP NTAC	74.91 0.62	55.60 0.75	46.98 0.86	46.44 0.81	48.49 1.13	60.33 1.22	75.76 0.66	56.04 0.60	46.86 0.43	42.49 0.56	38.97 0.62	39.73 0.69
LBMP NTAC Reserve	74.91 0.62 0.44	55.60 0.75 0.50	46.98 0.86 0.41	46.44 0.81 0.43	48.49 1.13 0.48	60.33 1.22 0.28	75.76 0.66 0.28	56.04 0.60 0.13	46.86 0.43 0.25	42.49 0.56 0.41	38.97 0.62 0.26	39.73 0.69 0.28
LBMP NTAC Reserve Regulation	74.91 0.62 0.44 0.20	55.60 0.75 0.50 0.18	46.98 0.86 0.41 0.15	46.44 0.81 0.43 0.12	48.49 1.13 0.48 0.10	60.33 1.22 0.28 0.15	75.76 0.66 0.28 0.12	56.04 0.60 0.13 0.09	46.86 0.43 0.25 0.08	42.49 0.56 0.41 0.09	38.97 0.62 0.26 0.08	39.73 0.69 0.28 0.09
LBMP NTAC Reserve Regulation NYISO Cost of Operations	74.91 0.62 0.44 0.20 0.70	55.60 0.75 0.50 0.18 0.70	46.98 0.86 0.41 0.15 0.70	46.44 0.81 0.43 0.12 0.70	48.49 1.13 0.48 0.10 0.70	60.33 1.22 0.28 0.15 0.70	75.76 0.66 0.28 0.12 0.70	56.04 0.60 0.13 0.09 0.70	46.86 0.43 0.25 0.08 0.70	42.49 0.56 0.41 0.09 0.70	38.97 0.62 0.26 0.08 0.70	39.73 0.69 0.28 0.09 0.70
LBMP NTAC Reserve Regulation NYISO Cost of Operations Uplift	74.91 0.62 0.44 0.20 0.70 1.26	55.60 0.75 0.50 0.18 0.70 0.58	46.98 0.86 0.41 0.15 0.70 0.45	46.44 0.81 0.43 0.12 0.70 0.21	48.49 1.13 0.48 0.10 0.70 (0.02)	60.33 1.22 0.28 0.15 0.70 0.61	75.76 0.66 0.28 0.12 0.70 1.42	56.04 0.60 0.13 0.09 0.70 0.65	46.86 0.43 0.25 0.08 0.70 0.15	42.49 0.56 0.41 0.09 0.70 (0.21)	38.97 0.62 0.26 0.08 0.70 0.11	39.73 0.69 0.28 0.09 0.70 0.15
LBMP NTAC Reserve Regulation NYISO Cost of Operations Uplift Uplift: Local Reliability Share	74.91 0.62 0.44 0.20 0.70 1.26 0.95	55.60 0.75 0.50 0.18 0.70 0.58 0.71	46.98 0.86 0.41 0.15 0.70 0.45 0.33	46.44 0.81 0.43 0.12 0.70 0.21 0.38	48.49 1.13 0.48 0.10 0.70 (0.02) 0.36	60.33 1.22 0.28 0.15 0.70 0.61 0.82	75.76 0.66 0.28 0.12 0.70 1.42 1.19	56.04 0.60 0.13 0.09 0.70 0.65 0.87	46.86 0.43 0.25 0.08 0.70 0.15 0.45	42.49 0.56 0.41 0.09 0.70 (0.21) 0.23	38.97 0.62 0.26 0.08 0.70 0.11 0.19	39.73 0.69 0.28 0.09 0.70 0.15 0.19
LBMP NTAC Reserve Regulation NYISO Cost of Operations Uplift Uplift: Local Reliability Share Uplift: Statewide Share	74.91 0.62 0.44 0.20 0.70 1.26 0.95 0.31	55.60 0.75 0.50 0.18 0.70 0.58 0.71 (0.12)	46.98 0.86 0.41 0.15 0.70 0.45 0.33 0.12	46.44 0.81 0.43 0.12 0.70 0.21 0.38 (0.18)	48.49 1.13 0.48 0.10 0.70 (0.02) 0.36 (0.38)	60.33 1.22 0.28 0.15 0.70 0.61 0.82 (0.21)	75.76 0.66 0.28 0.12 0.70 1.42 1.19 0.24	56.04 0.60 0.13 0.09 0.70 0.65 0.87 (0.21)	46.86 0.43 0.25 0.08 0.70 0.15 0.45 (0.30)	42.49 0.56 0.41 0.09 0.70 (0.21) 0.23 (0.44)	38.97 0.62 0.26 0.08 0.70 0.11 0.19 (0.08)	39.73 0.69 0.28 0.09 0.70 0.15 0.19 (0.05)
LBMP NTAC Reserve Regulation NYISO Cost of Operations Uplift Uplift: Local Reliability Share Uplift: Statewide Share Voltage Support and Black Start	74.91 0.62 0.44 0.20 0.70 1.26 0.95 0.31 0.37	55.60 0.75 0.50 0.18 0.70 0.58 0.71 (0.12) 0.37	46.98 0.86 0.41 0.15 0.70 0.45 0.33 0.12 0.37	46.44 0.81 0.43 0.12 0.70 0.21 0.38 (0.18) 0.37	48.49 1.13 0.48 0.10 0.70 (0.02) 0.36 (0.38) 0.37	60.33 1.22 0.28 0.15 0.70 0.61 0.82 (0.21) 0.37	75.76 0.66 0.28 0.12 0.70 1.42 1.19 0.24 0.37	56.04 0.60 0.13 0.09 0.70 0.65 0.87 (0.21) 0.37	46.86 0.43 0.25 0.08 0.70 0.15 0.45 (0.30) 0.37	42.49 0.56 0.41 0.09 0.70 (0.21) 0.23 (0.44) 0.37	38.97 0.62 0.26 0.08 0.70 0.11 0.19 (0.08) 0.37	39.73 0.69 0.28 0.09 0.70 0.15 0.19 (0.05) 0.37

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

\* Excludes ICAP payments.

Data reflects true-ups thru August 2012.



2012 February March April May August September January June July October November December 14 877 279 12 482 692 13 324 441 14 898 725 17.185.445 Day Ahead Market MWh 13 473 786 13 590 456 17 946 019 14 262 425 DAM LSE Internal LBMP Energy Sales 58% 57% 58% 59% 61% 63% 65% 63% 61% DAM External TC LBMP Energy Sales 1% 1% 0% 1% 1% 1% 1% 0% 1% 37% DAM Bilateral - Internal Bilaterals 38% 40% 40% 38% 36% 35% 32% 34% 0% 0% 0% 0% 0% 0% 0% 0% 0% DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals 1% 2% 2% 2% 1% 1% 1% 1% 1% DAM Bilateral - Wheel Through Bilaterals 1% 0% 1% 1% 1% 1% 1% 1% 0% Balancing Energy Market MWh -878.126 -816.828 -896.684 -371.022 -31.455 -534.794 -575.091 -528.572 -692.656 Balancing Energy LSE Internal LBMP Energy Sales -110% -111% -110% -126% -561% -129% -126% -138% -121% Balancing Energy External TC LBMP Energy Sales 9% 7% 7% 20% 347% 22% 19% 30% 13% Balancing Energy Bilateral - Internal Bilaterals 1% 1% 1% 4% 107% 8% 6% 4% 4% Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals 0% 0% 0% 0% 0% 0% 0% 0% 0% Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals 4% 3% 3% 7% 54% 3% 2% 2% 3% Balancing Energy Bilateral - Wheel Through Bilaterals -3% 0% -1% -4% -46% -5% 0% 2% 1% Transactions Summary LBMP 57% 55% 62% 65% 56% 59% 61% 63% 59% Internal Bilaterals 41% 42% 43% 39% 36% 36% 33% 35% 39% 0% 0% 0% Import Bilaterals 0% 0% 0% 0% 0% 0% Export Bilaterals 2% 2% 2% 2% 2% 1% 1% 1% 1% Wheels Through 1% 0% 1% 1% 1% 1% 1% 1% 1% Market Share of Total Load 106.3% 106.5% 107.1% 103.1% 100.2% 103.7% 103.3% 103.2% 105.1% Dav Ahead Market Balancing Energy + -0.2% -3.3% -6.3% -6.5% -7.1% -3.1% -3.7% -3.2% -5.1% Total MWH 13.999.153 12.656.958 12.693.772 12.111.670 13.292.986 14.363.931 17.370.928 16.656.873 13.569.769 Average Daily Energy Sendout/Month GWh 431 407 396 420 443 471 551 529 447 2011 January February March April May June July August September October November December 14,146,283 12.514.435 13.164.026 12.191.562 12.809.240 14.520.490 17.296.367 15,872,137 14,052,940 13.263.167 12.710.654 14.300.553 Day Ahead Market MWh 55% 55% DAM LSE Internal LBMP Energy Sales 49% 54% 53% 55% 57% 60% 62% 59% 54% 59% DAM External TC LBMP Energy Sales 1% 1% 2% 2% 1% 1% 2% 1% 1% 4% 2% 1% 42% DAM Bilateral - Internal Bilaterals 43% 43% 41% 41% 39% 36% 35% 39% 41% 41% 37% DAM Bilateral - Importl/Non-LBMP Market Bilaterals 5% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 2% DAM Bilateral - Export/Non-LBMP Market Bilaterals 1% 1% 2% 2% 1% 1% 1% 1% 2% 2% 1% DAM Bilateral - Wheel Through Bilaterals 1% 1% 1% 0% 1% 1% 1% 1% 1% 0% 0% 1% **Balancing Energy Market MWh** 311,996 210,141 250,339 35,941 192,443 44,238 221,519 -31,911 -203,622 -205,237 -284,573 -689,219 Balancing Energy LSE Internal LBMP Energy Sales 28% 24% 39% -226% 40% -141% 29% -371% -147% -181% -129% -115% Balancing Energy External TC LBMP Energy Sales 48% 50% 50% 197% 39% 271% 77% 327% 53% 59% 21% 13% Balancing Energy Bilateral - Internal Bilaterals 15% 7% 8% 47% 14% 37% 0% -1% 5% 11% 0% 0% Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 6% 14% 83% 32% 9% 4% Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals 13% 10% 6% 39% 8% 10% Balancing Energy Bilateral - Wheel Through Bilaterals 3% 5% -10% -1% -2% -100% -12% -94% -18% 1% -2% -2% Transactions Summary I BMP 57% 57% 56% 58% 51% 55% 55% 59% 63% 63% 59% 56% Internal Bilaterals 42% 42% 42% 41% 41% 39% 36% 36% 39% 42% 42% 39% 5% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% Import Bilaterals Export Bilaterals 2% 2% 2% 2% 2% 1% 2% 2% 2% 1% 1% 1% 1% 0% 0% 0% Wheels Through 1% 1% 1% 1% 1% 1% 0% 1% Market Share of Total Load Day Ahead Market 97.8% 98.3% 98.1% 99.7% 98.5% 99.7% 98.7% 100.2% 101.5% 101.6% 102.3% 105.1% 0.3% Balancing Energy + 2.2% 1.7% 1.9% 1.5% 0.3% 1.3% -0.2% -1.5% -1.6% -2.3% -5.1% Total MWH 14,458,279 12,724,575 13,414,365 12,227,503 13,001,683 14,564,728 17,517,885 15,840,226 13,849,318 13,057,930 12,426,081 13,611,334 457 447 422 398 479 555 505 Average Daily Energy Sendout/Month GWh 411 456 403 408 430

**NYISO Markets Transactions** 

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

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

Notes: Percent totals may not equal 100% due to rounding. Virtual Transactions are not reflected in this chart.

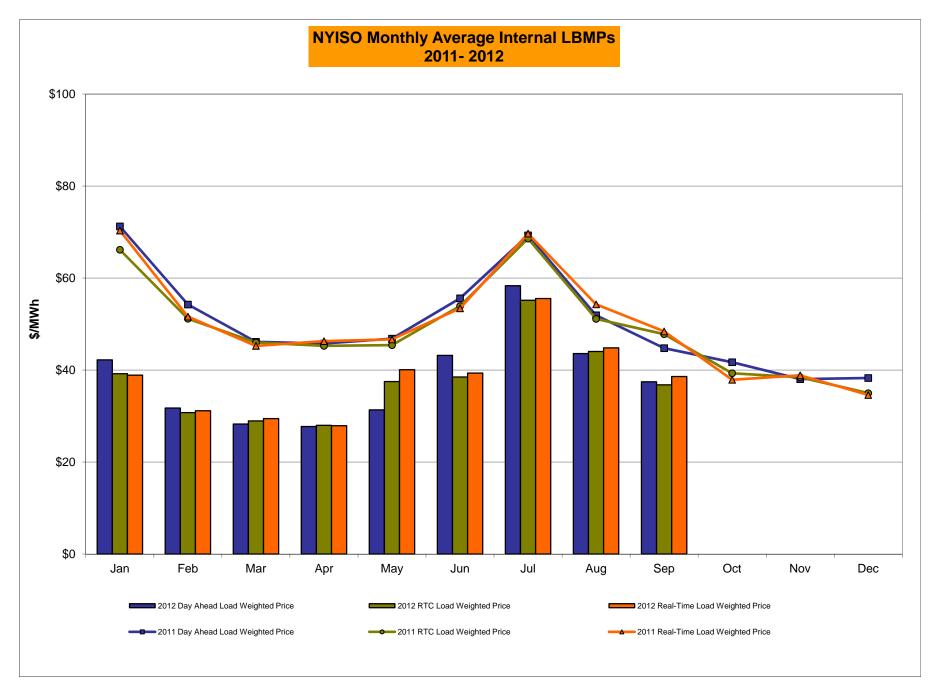
#### NYISO Markets 2012 Energy Statistics

	<u>January</u>	<b>February</b>	March	<u>April</u>	May	June	July	August S	<u>September</u>	October November December
DAY AHEAD LBMP										
Price *	\$40.91	\$31.15	\$27.44	\$26.88	\$29.79	\$38.71	\$53.95	\$41.17	\$35.74	
Standard Deviation	\$15.62	\$6.23	\$7.00	\$7.04	\$10.22	\$31.58	\$32.19	\$15.94	\$11.26	
Load Weighted Price **	\$42.20	\$31.73	\$28.25	\$27.72	\$31.33	\$43.17	\$58.33	\$43.57	\$37.44	
RTC LBMP										
Price *	\$37.93	\$30.31	\$28.15	\$27.19	\$34.27	\$34.58	\$51.05	\$41.79	\$34.76	
Standard Deviation	\$23.43	\$7.26	\$22.87	\$15.67	\$46.03	\$57.26	\$60.86	\$22.90	\$23.14	
Load Weighted Price **	\$39.19	\$30.75	\$28.93	\$27.97	\$37.49	\$38.48	\$55.17	\$44.03	\$36.77	
REAL TIME LBMP										
Price *	\$37.35	\$30.54	\$28.47	\$27.00	\$35.22	\$34.29	\$50.68	\$41.95	\$36.05	
Standard Deviation	\$23.75	\$9.77	\$20.94	\$15.14	\$56.38	\$55.53	\$51.60	\$23.86	\$26.89	
Load Weighted Price **	\$38.88	\$31.14	\$29.44	\$27.89	\$40.06	\$39.34	\$55.54	\$44.81	\$38.59	
Average Daily Energy Sendout/Month GWh	443	431	407	396	420	471	551	529	447	

#### NYISO Markets 2011 Energy Statistics

	<u>January</u>	<b>February</b>	March	<u>April</u>	May	June	July	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
DAY AHEAD LBMP												
Price *	\$69.03	\$52.87	\$45.20	\$44.80	\$45.20	\$52.26	\$64.60	\$49.59	\$43.28	\$40.38	\$37.12	\$37.31
Standard Deviation	\$30.78	\$14.77	\$9.06	\$8.22	\$11.77	\$26.24	\$34.99	\$16.62	\$10.26	\$9.30	\$7.64	\$9.13
Load Weighted Price **	\$71.22	\$54.24	\$46.13	\$45.77	\$46.83	\$55.58	\$69.28	\$51.90	\$44.76	\$41.70	\$38.02	\$38.27
RTC LBMP												
Price *	\$64.48	\$50.15	\$45.13	\$44.32	\$43.69	\$50.47	\$63.42	\$48.47	\$46.02	\$38.44	\$37.43	\$34.00
Standard Deviation	\$39.41	\$18.83	\$18.96	\$15.44	\$25.19	\$46.41	\$82.29	\$59.95	\$25.18	\$15.45	\$17.55	\$15.60
Load Weighted Price **	\$66.15	\$51.15	\$45.98	\$45.25	\$45.41	\$53.91	\$68.58	\$51.12	\$47.80	\$39.30	\$38.43	\$34.97
<u>REAL TIME LBMP</u>												
Price *	\$67.92	\$50.26	\$44.22	\$45.20	\$44.26	\$48.68	\$62.96	\$49.39	\$45.92	\$36.91	\$37.67	\$33.50
Standard Deviation	\$58.47	\$22.39	\$17.41	\$19.98	\$26.27	\$44.88	\$64.83	\$62.04	\$26.88	\$13.65	\$19.42	\$14.12
Load Weighted Price **	\$70.32	\$51.61	\$45.24	\$46.28	\$46.66	\$53.42	\$69.66	\$54.28	\$48.40	\$37.88	\$38.84	\$34.57
Average Daily Energy Sendout/Month GWh	457	447	422	398	411	479	555	505	456	402	408	430

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



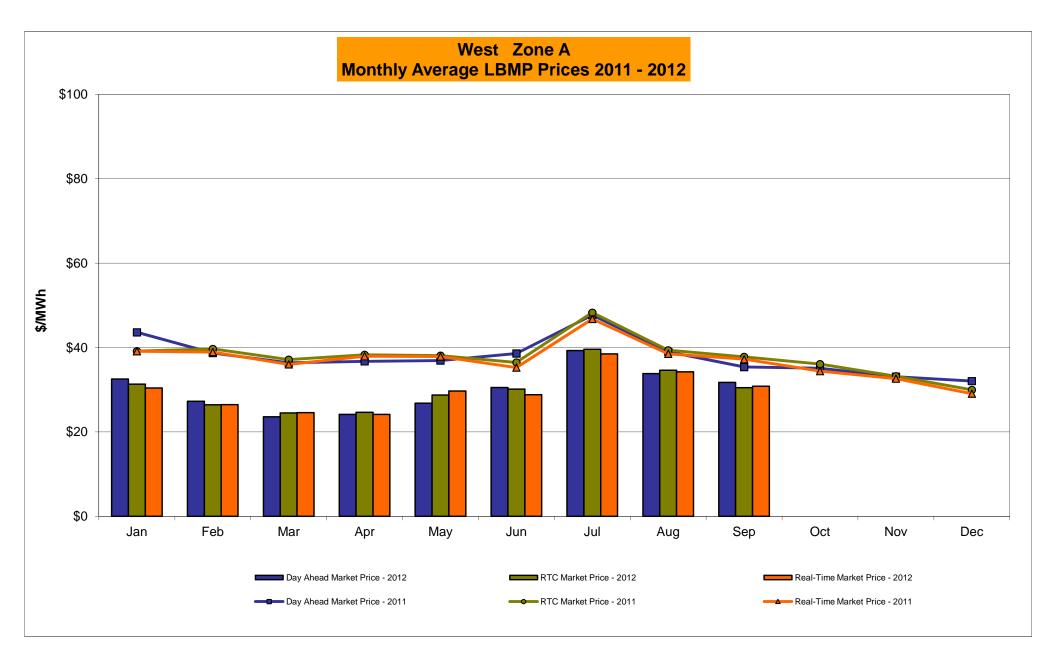
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#### September 2012 Zonal LBMP Statistics for NYISO (\$/MWh)

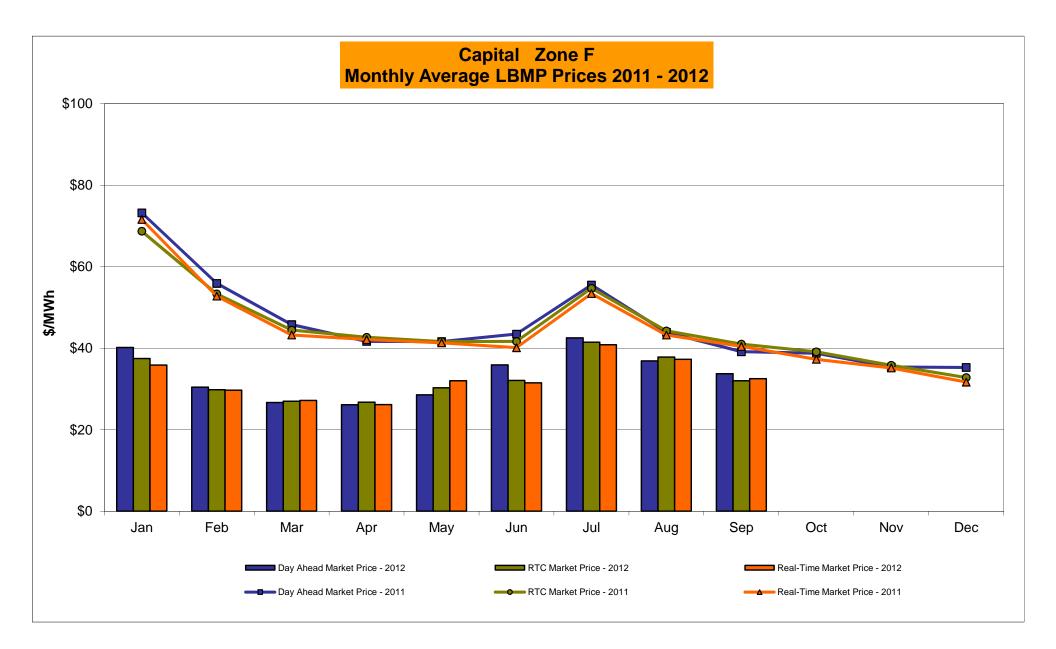
	WEST <u>Zone A</u>	GENESEE Zone B	NORTH <u>Zone D</u>	CENTRAL Zone C	MOHAWK VALLEY <u>Zone E</u>	CAPITAL Zone F	HUDSON VALLEY <u>Zone G</u>	MILLWOOD <u>Zone H</u>	DUNWOODIE <u>Zone I</u>	NEW YORK CITY <u>Zone J</u>	LONG ISLAND <u>Zone K</u>
DAY AHEAD LBMP	04 70	00.40	00.50	00.40		00.75	05 75	05.04	05.04	00.05	44.70
Unweighted Price *	31.73	32.13	30.53	32.46	33.26	33.75	35.75	35.84	35.91	36.85	41.70
Standard Deviation	8.39	8.51	8.00	8.75	9.13	9.26	10.62	10.86	10.87	11.23	19.69
RTC LBMP											
Unweighted Price *	30.50	30.67	29.20	30.94	31.66	31.99	35.05	35.36	35.41	35.92	41.49
Standard Deviation	16.92	16.49	15.99	16.56	17.00	17.04	25.68	27.85	28.10	28.21	38.32
REAL TIME LBMP											
Unweighted Price *	30.83	31.17	29.75	31.43	32.18	32.50	35.81	36.15	36.21	36.95	45.37
Standard Deviation	15.01	15.30	14.74	15.37	15.81	15.87	30.03	33.31	33.70	33.99	53.34

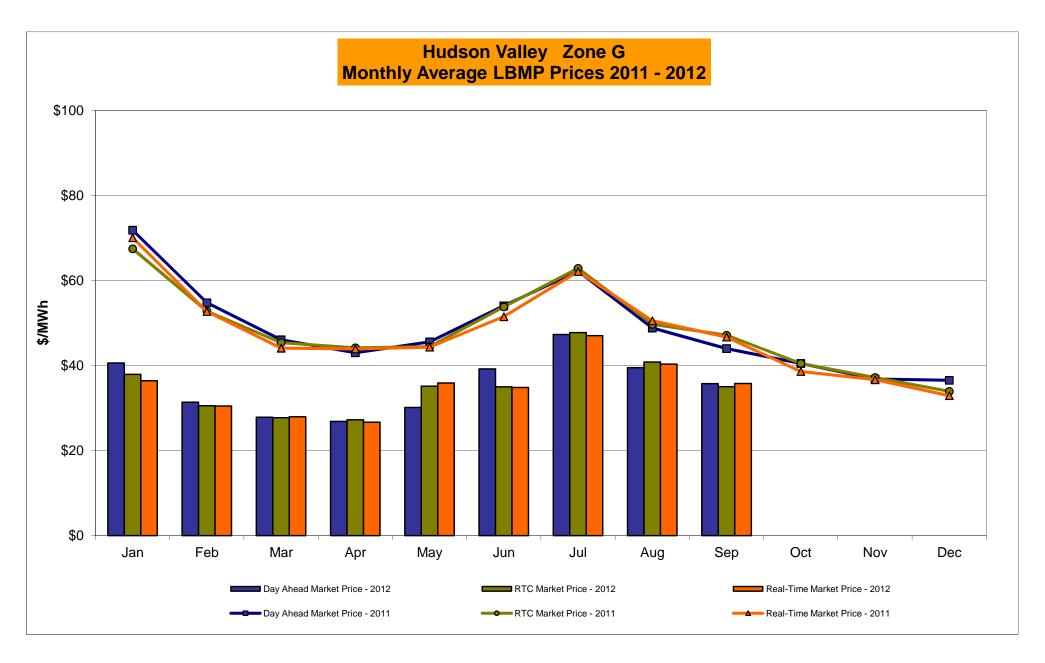
	ONTARIO IESO	HYDRO QUEBEC (Wheel)	HYDRO QUEBEC (Import/Export)	PJM	NEW ENGLAND	CROSS SOUND CABLE	NORTHPORT- NORWALK	NEPTUNE		Dennison
	Zone O	Zone M	Zone M	Zone P	Zone N	Controllable Line	Controllable Line	Controllable Line	Controllable Line	<u>Controllable</u> Line
DAY AHEAD LBMP										
Unweighted Price *	31.02	27.58	25.77	32.91	34.20	40.55	38.86	40.58	35.29	30.20
Standard Deviation	7.82	6.91	6.35	9.12	9.53	19.31	17.48	19.13	9.38	7.85
RTC LBMP										
Unweighted Price *	29.45	28.97	28.56	31.43	32.27	37.67	37.41	37.77	33.60	28.96
Standard Deviation	9.44	9.57	9.90	12.07	11.82	28.51	28.19	28.28	18.92	9.51
REAL TIME LBMP										
Unweighted Price *	30.58	29.48	29.13	32.66	33.40	42.71	39.35	42.66	35.52	29.71
Standard Deviation	14.97	14.09	14.33	19.55	18.44	52.64	39.76	52.37	32.50	14.69

\* Straight LBMP averages

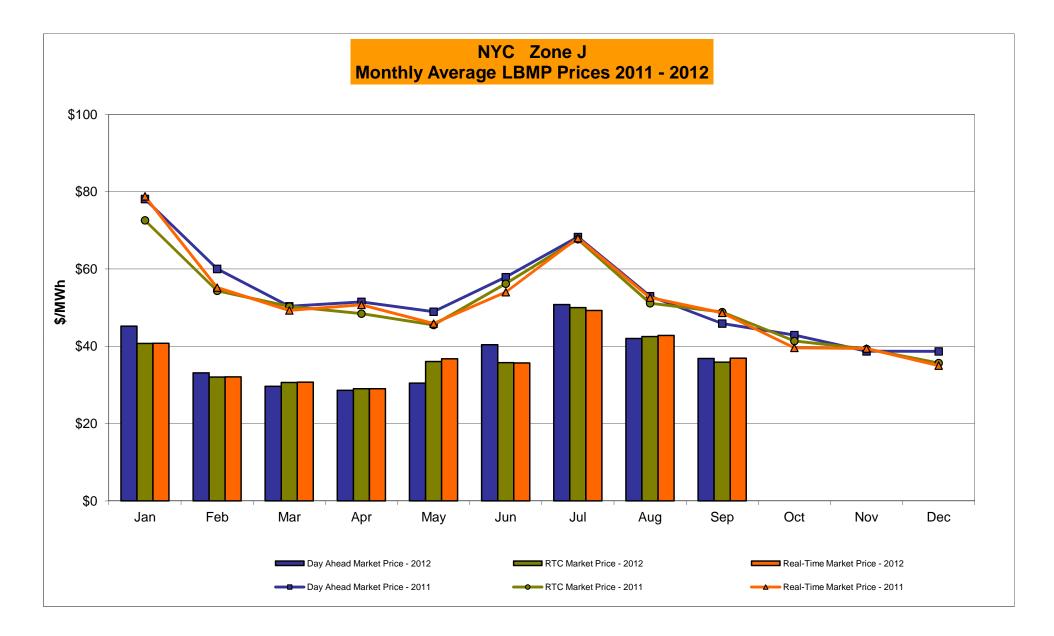


Market Mitigation and Analysis Prepared: 10/2/2012 8:03 AM

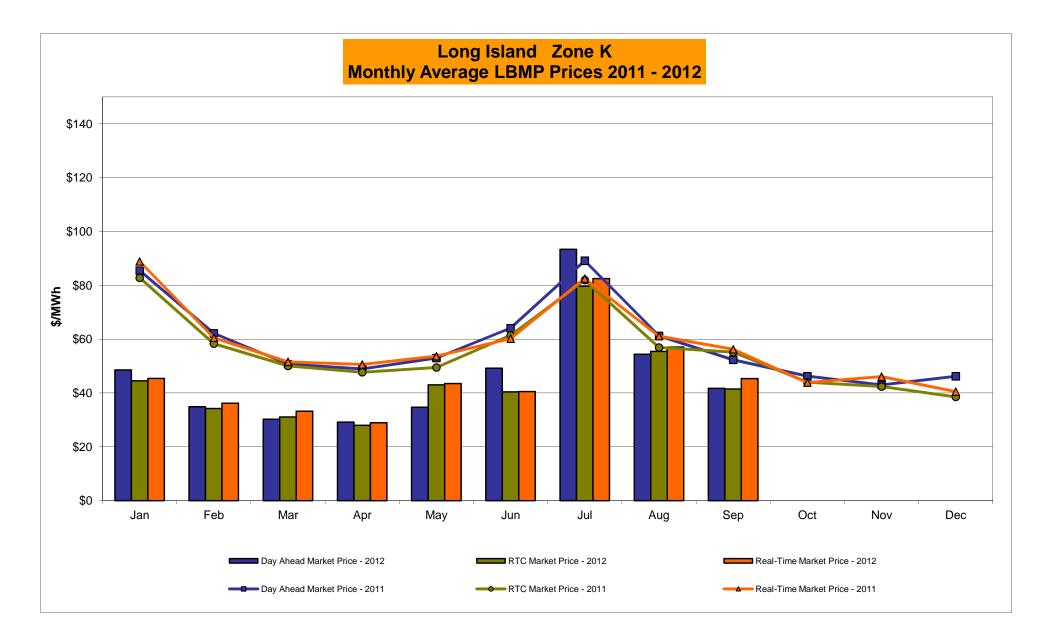


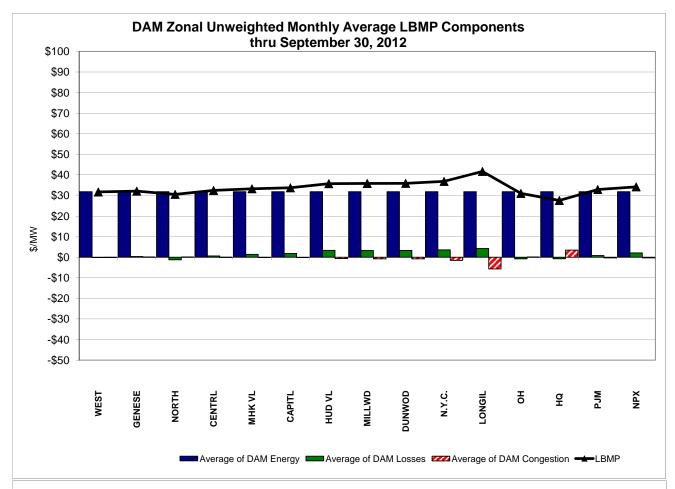


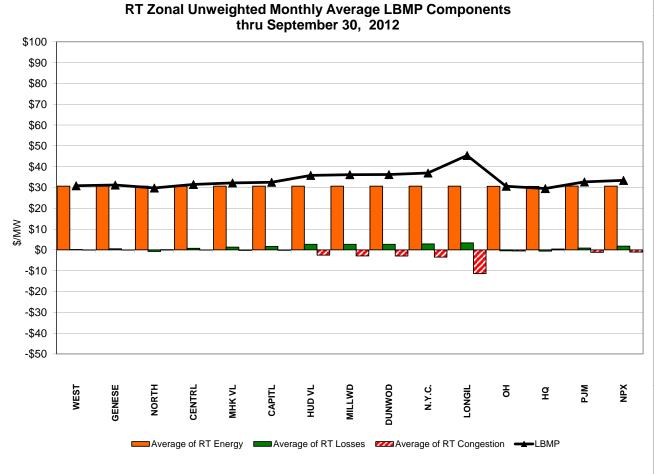
Market Mitigation and Analysis Prepared:10/2/2012 8:04 AM



Market Mitigation and Analysis Prepared:10/2/2012 8:05 AM

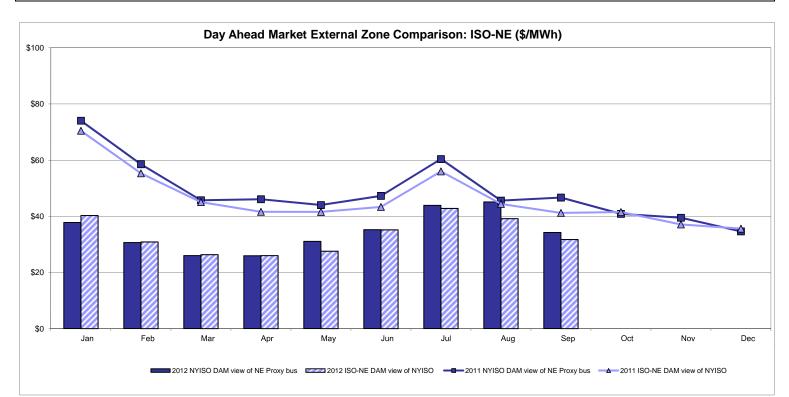


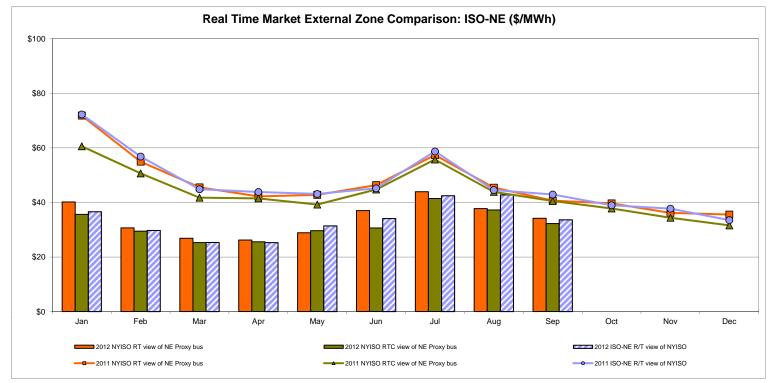




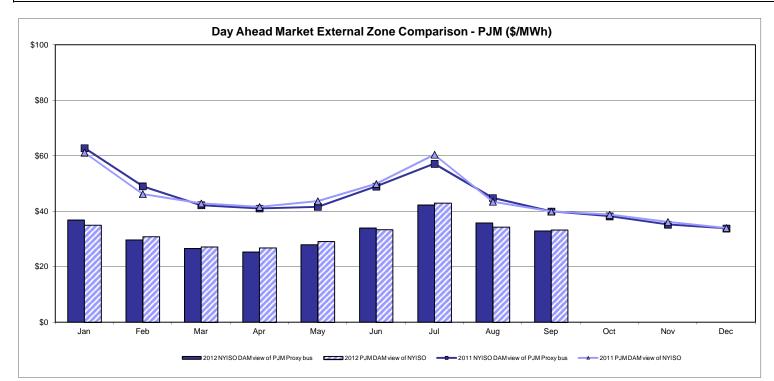
Market Mitigation and Analysis Prepared:10/1/2012 12:08 PM

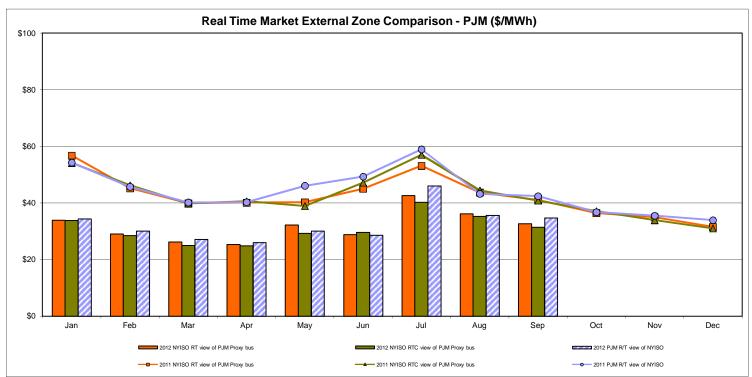
# **External Comparison ISO-New England**



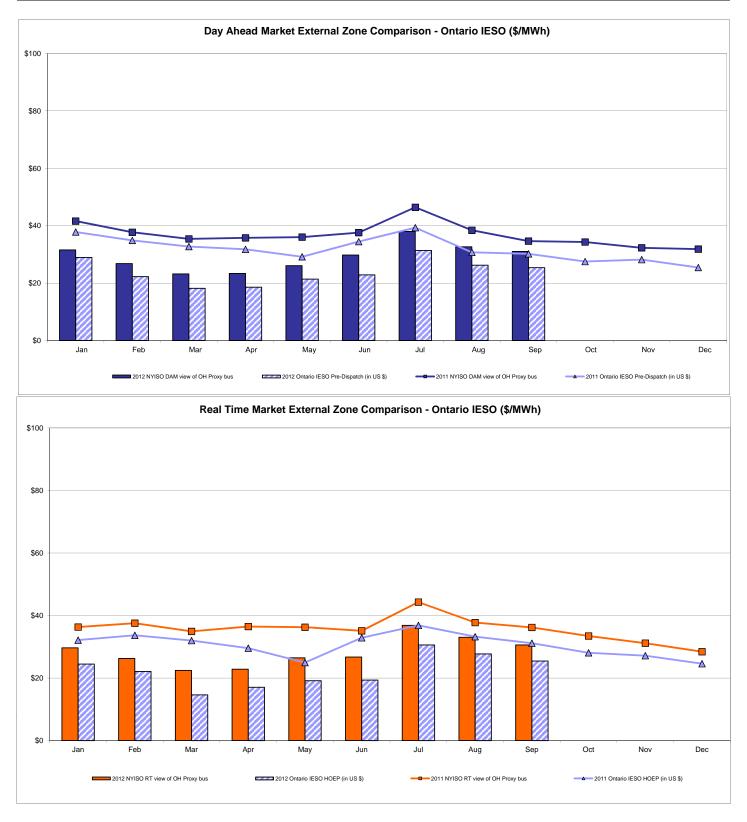


# **External Comparison PJM**



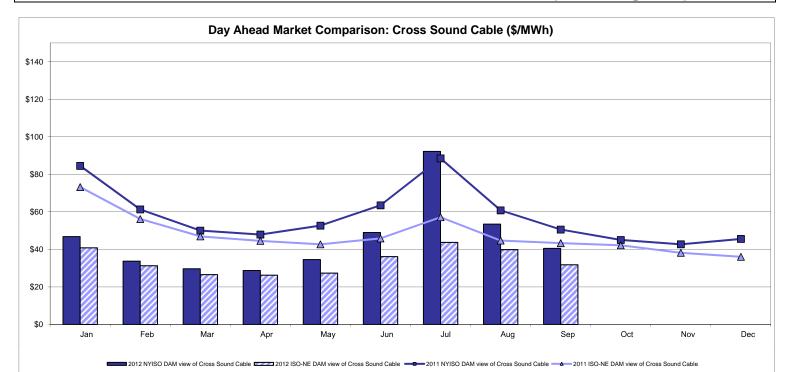


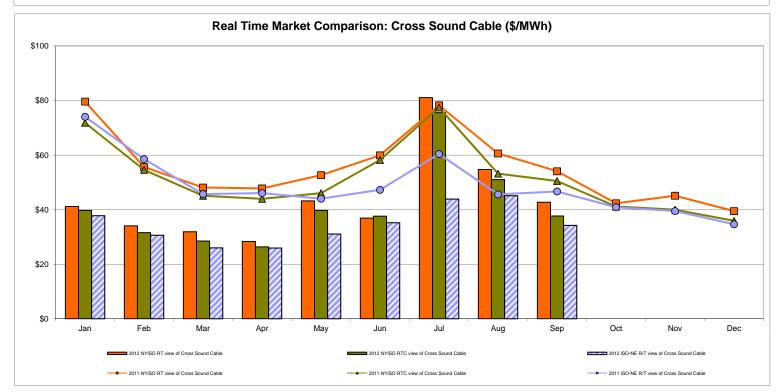
### **External Comparison Ontario IESO**



Notes: Exchange factor used for September 2012 was 1.02 to US \$ HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price

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



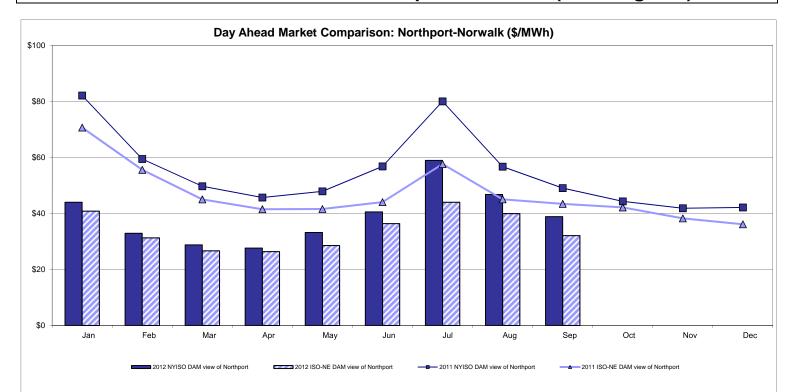


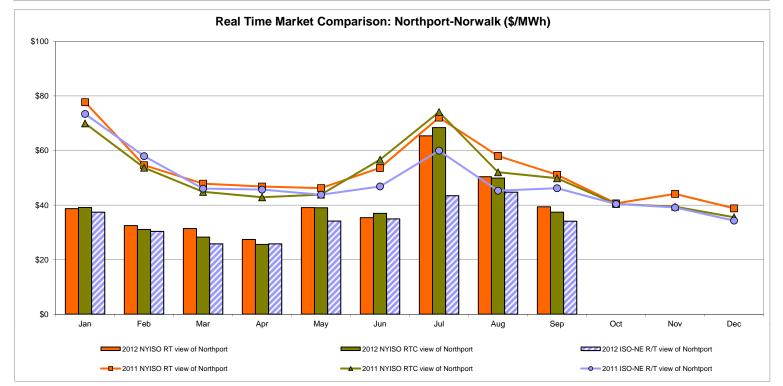
#### Note:

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)

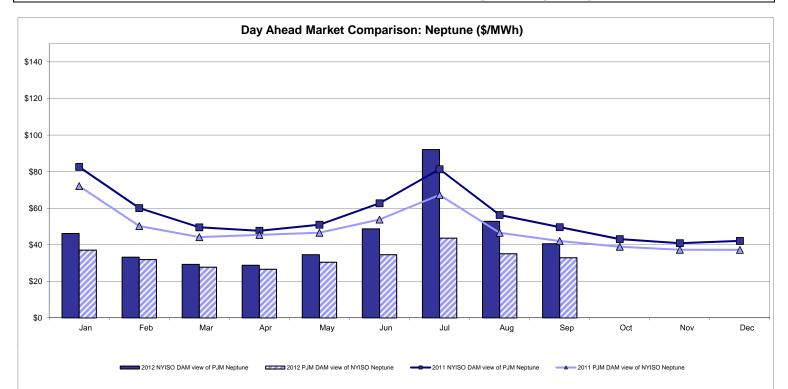
Note:

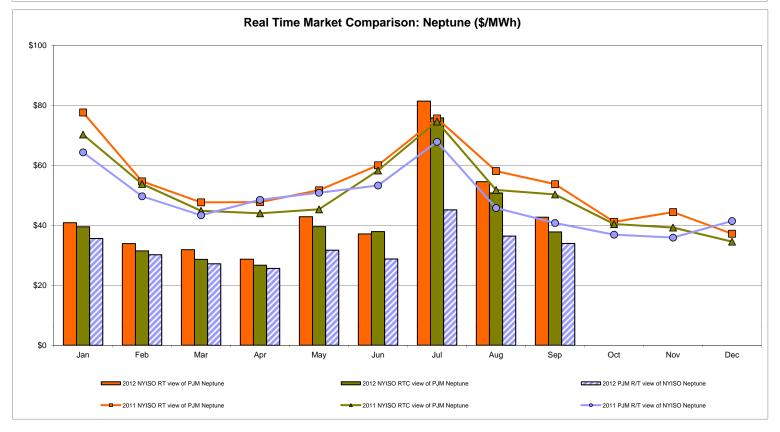
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

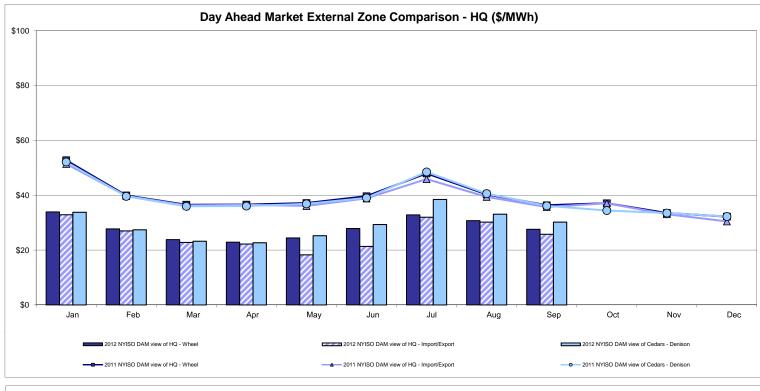
The DAM and R/T prices at the 1385 interface are used for NYISO.

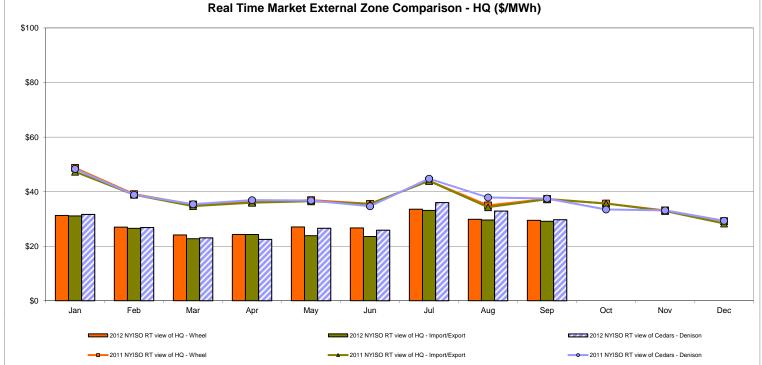
# External Controllable Line: Neptune (PJM)





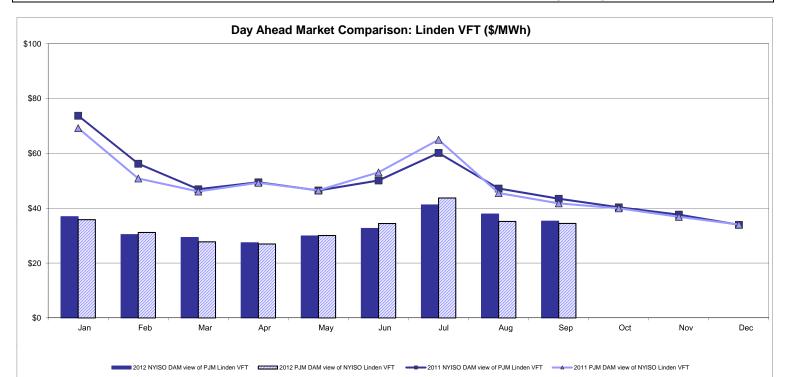
# External Comparison Hydro-Quebec

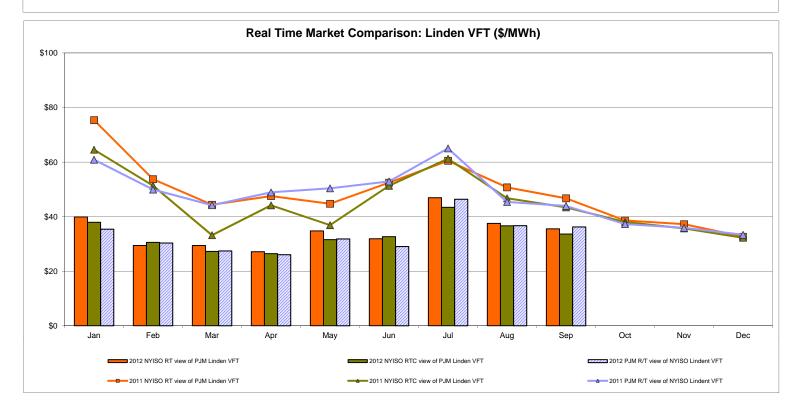




Note:

Hydro-Quebec Prices are unavailable.



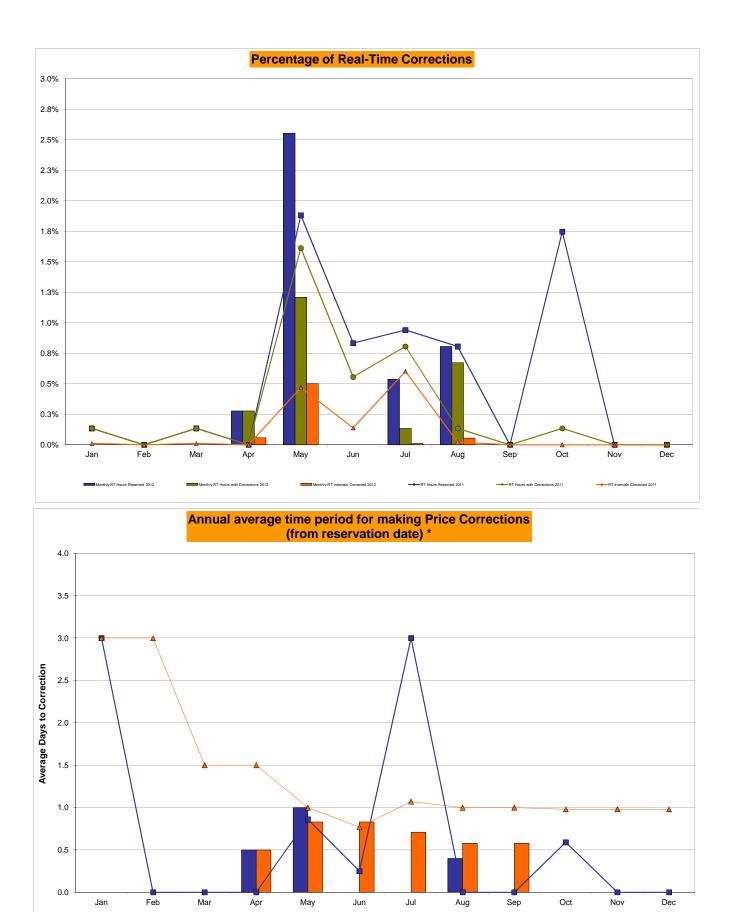


# External Controllable Line: Linden VFT (PJM)

#### NYISO Real Time Price Correction Statistics

<u>2012</u>		<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	December
Hour Corrections													
Number of hours with corrections	in the month	0	0	0	2	9	0	1	5	0			
Number of hours	in the month	744	696	744	720	744	720	744	744	720			
% of hours with corrections	in the month	0.00%	0.00%	0.00%	0.28%	1.21%	0.00%	0.13%	0.67%	0.00%			
% of hours with corrections	year-to-date	0.00%	0.00%	0.00%	0.07%	0.30%	0.25%	0.23%	0.29%	0.26%			
Interval Corrections													
Number of intervals corrected	in the month	0	0	0	5	45	0	1	5	0			
Number of intervals	in the month	8,987	8,375	8,945	8,665	8,957	8,773	9,100	9,043	8,723			
% of intervals corrected	in the month	0.00%	0.00%	0.00%	0.06%	0.50%	0.00%	0.01%	0.06%	0.00%			
% of intervals corrected	year-to-date	0.00%	0.00%	0.00%	0.01%	0.11%	0.09%	0.08%	0.08%	0.07%			
Hours Reserved													
Number of hours reserved	in the month	0	0	0	2	19	0	4	6	0			
Number of hours	in the month	744	696	744	720	744	720	744	744	720			
% of hours reserved	in the month	0.00%	0.00%	0.00%	0.28%	2.55%	0.00%	0.54%	0.81%	0.00%			
% of hours reserved	year-to-date	0.00%	0.00%	0.00%	0.07%	0.58%	0.48%	0.49%	0.53%	0.47%			
Days to Correction *													
Avg. number of days to correction	in the month	0.00	0.00	0.00	0.50	1.00	0.00	0.00	0.40	0.00			
Avg. number of days to correction	year-to-date	0.00	0.00	0.00	0.50	0.83	0.83	0.71	0.58	0.58			
Days Without Corrections													
Days without corrections	in the month	31	29	31	28	27	30	30	26	30			
Days without corrections	year-to-date	31	60	91	119	146	176	206	232	262			
2011		January	February	March	April	May	June	July	August	September	October	November	December
2011 Hour Corrections		<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	July	<u>August</u>	September	<u>October</u>	November	December
Hour Corrections	in the month					<u>_</u>							
Hour Corrections Number of hours with corrections	in the month	1	0	1	0	12	4	6	1	0	1	0	0
Hour Corrections	in the month in the month in the month					<u>_</u>							
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	1 744 0.13%	0 672 0.00%	1 744 0.13%	0 720 0.00%	12 744 1.61%	4 720 0.56%	6 744 0.81%	1 744 0.13%	0 720 0.00%	1 744 0.13%	0 720 0.00%	0 744 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month	 1 744	0 672	1 744	0 720	12 744	4 720	6 744	1 744	0 720	1 744	0 720	0 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections	in the month in the month year-to-date	1 744 0.13% 0.13%	0 672 0.00% 0.07%	1 744 0.13% 0.09%	0 720 0.00% 0.07%	12 744 1.61% <u>0.39%</u>	4 720 0.56% 0.41%	6 744 0.81% 0.47%	1 744 0.13% 0.43%	0 720 0.00% 0.38%	1 744 0.13% 0.36%	0 720 0.00% 0.32%	0 744 0.00% 0.30%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected	in the month in the month year-to-date in the month	1 744 0.13% 0.13%	0 672 0.00% 0.07%	1 744 0.13% 0.09%	0 720 0.00% 0.07%	12 744 1.61% <u>0.39%</u> 42	4 720 0.56% 0.41%	6 744 0.81% <u>0.47%</u> 54	1 744 0.13% <u>0.43%</u> 2	0 720 0.00% 0.38%	1 744 0.13% 0.36% 2	0 720 0.00% 0.32% 0	0 744 0.00% <u>0.30%</u> 0
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals	in the month in the month year-to-date in the month in the month	1 744 0.13% <u>0.13%</u> 1 8,938	0 672 0.00% 0.07% 0 8,049	1 744 0.13% 0.09% 1 8,924	0 720 0.00% 0.07% 0 8,671	12 744 1.61% 0.39% 42 8,939	4 720 0.56% 0.41% 12 8,661	6 744 0.81% 0.47% 54 8,967	1 744 0.13% <u>0.43%</u> 2 9,021	0 720 0.00% 0.38% 0 8,678	1 744 0.13% 0.36% 2 8,940	0 720 0.00% 0.32% 0 8,671	0 744 0.00% <u>0.30%</u> 0 8,954
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	1 744 0.13% 0.13% 1 8,938 0.01%	0 672 0.00% 0.07% 0 8,049 0.00%	1 744 0.13% 0.09% 1 8,924 0.01%	0 720 0.00% 0.07% 0 8,671 0.00%	12 744 1.61% 0.39% 42 8,939 0.47%	4 720 0.56% 0.41% 12 8,661 0.14%	6 744 0.81% 0.47% 54 8,967 0.60%	1 744 0.13% 0.43% 2 9,021 0.02%	0 720 0.00% 0.38% 0 8,678 0.00%	1 744 0.13% 0.36% 2 8,940 0.02%	0 720 0.00% 0.32% 0 8,671 0.00%	0 744 0.00% <u>0.30%</u> 0 8,954 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month	1 744 0.13% <u>0.13%</u> 1 8,938	0 672 0.00% 0.07% 0 8,049	1 744 0.13% 0.09% 1 8,924	0 720 0.00% 0.07% 0 8,671	12 744 1.61% 0.39% 42 8,939	4 720 0.56% 0.41% 12 8,661	6 744 0.81% 0.47% 54 8,967	1 744 0.13% 0.43% 2 9,021	0 720 0.00% 0.38% 0 8,678	1 744 0.13% 0.36% 2 8,940	0 720 0.00% 0.32% 0 8,671	0 744 0.00% <u>0.30%</u> 0 8,954
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 year-to-date	1 744 0.13% 0.13% 1 8,938 0.01% 0.01%	0 672 0.00% 0.07% 0 8,049 0.00% 0.01%	1 744 0.13% 0.09% 1 8,924 0.01% 0.01%	0 720 0.00% 0.07% 0 8,671 0.00% 0.01%	12 744 1.61% 0.39% 42 8,939 0.47% 0.10%	4 720 0.56% 0.41% 12 8,661 0.14% 0.11%	6 744 0.81% 0.47% 54 8,967 0.60% 0.18%	1 744 0.13% 0.43% 2 9,021 0.02% 0.16%	0 720 0.00% 0.38% 0 8,678 0.00% 0.14%	1 744 0.13% 0.36% 2 8,940 0.02% 0.13%	0 720 0.00% 0.32% 0 8,671 0.00% 0.12%	0 744 0.00% 0.30% 0 8,954 0.00% 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 corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         Mumber of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month	1 744 0.13% 0.13% 1 8,938 0.01% 0.01% 1	0 672 0.00% 0.07% 0 8,049 0.00% 0.01% 0	1 744 0.13% 0.09% 1 8,924 0.01% 0.01% 1	0 720 0.00% 0.07% 0 8,671 0.00% 0.01% 0	12 744 1.61% 0.39% 42 8,939 0.47% 0.10% 14	4 720 0.56% 0.41% 12 8,661 0.14% 0.11% 6	6 744 0.81% 0.47% 54 8,967 0.60% 0.18% 7	1 744 0.13% 0.43% 2 9,021 0.02% 0.16% 6	0 720 0.00% 0.38% 0 8,678 0.00% 0.14% 0	1 744 0.13% 0.36% 2 8,940 0.02% 0.13% 13	0 720 0.00% 0.32% 0 8,671 0.00% 0.12% 0	0 744 0.00% 0.30% 0 8,954 0.00% 0.11% 0
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 corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         Mumber of hours reserved         Number of hours	in the month in the month year-to-date in the month in the month year-to-date in the month in the month	1 744 0.13% 0.13% 1 8,938 0.01% 0.01% 1 744	0 672 0.00% 0.07% 0 8,049 0.00% 0.01% 0 672	1 744 0.13% 0.09% 1 8,924 0.01% 0.01% 1 744	0 720 0.00% 0.07% 0 8,671 0.00% 0.01% 0 720	12 744 1.61% 0.39% 42 8,939 0.47% 0.10% 14 744	4 720 0.56% 0.41% 12 8,661 0.14% 0.11% 6 720	6 744 0.81% 0.47% 54 8,967 0.60% 0.18% 7 744	1 744 0.13% 0.43% 2 9,021 0.02% 0.16% 6 744	0 720 0.00% 0.38% 0 8,678 0.00% 0.14% 0 720	1 744 0.13% 0.36% 2 8,940 0.02% 0.13% 13 744	0 720 0.00% 0.32% 0 8,671 0.00% 0.12% 0 720	0 744 0.00% 0.30% 0 8,954 0.00% 0.11% 0 744
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 corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         Mumber of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month	1 744 0.13% 0.13% 1 8,938 0.01% 0.01% 1	0 672 0.00% 0.07% 0 8,049 0.00% 0.01% 0	1 744 0.13% 0.09% 1 8,924 0.01% 0.01% 1	0 720 0.00% 0.07% 0 8,671 0.00% 0.01% 0	12 744 1.61% 0.39% 42 8,939 0.47% 0.10% 14	4 720 0.56% 0.41% 12 8,661 0.14% 0.11% 6	6 744 0.81% 0.47% 54 8,967 0.60% 0.18% 7	1 744 0.13% 0.43% 2 9,021 0.02% 0.16% 6	0 720 0.00% 0.38% 0 8,678 0.00% 0.14% 0	1 744 0.13% 0.36% 2 8,940 0.02% 0.13% 13	0 720 0.00% 0.32% 0 8,671 0.00% 0.12% 0	0 744 0.00% 0.30% 0 8,954 0.00% 0.11% 0
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 year-to-date in the month in the month	1 744 0.13% 0.13% 1 8,938 0.01% 0.01% 1 744	0 672 0.00% 0.07% 0 8,049 0.00% 0.01% 0 672	1 744 0.13% 0.09% 1 8,924 0.01% 0.01% 1 744	0 720 0.00% 0.07% 0 8,671 0.00% 0.01% 0 720	12 744 1.61% 0.39% 42 8,939 0.47% 0.10% 14 744	4 720 0.56% 0.41% 12 8,661 0.14% 0.11% 6 720	6 744 0.81% 0.47% 54 8,967 0.60% 0.18% 7 744	1 744 0.13% 0.43% 2 9,021 0.02% 0.16% 6 744	0 720 0.00% 0.38% 0 8,678 0.00% 0.14% 0 720	1 744 0.13% 0.36% 2 8,940 0.02% 0.13% 13 744	0 720 0.00% 0.32% 0 8,671 0.00% 0.12% 0 720	0 744 0.00% 0.30% 0 8,954 0.00% 0.11% 0 744
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Mumber of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         Mumber of 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 year-to-date in the month in the month in the month in the month	1 744 0.13% 0.13% 1 8,938 0.01% 0.01% 1 744 0.13% 0.13%	0 672 0.00% 0.07% 0 8,049 0.00% 0.01% 0 672 0.00%	1 744 0.13% 0.09% 1 8,924 0.01% 0.01% 1 744 0.13%	0 720 0.00% 0.07% 0 8,671 0.00% 0.01% 0 720 0.00%	12 744 1.61% 0.39% 42 8,939 0.47% 0.10% 14 744 1.88%	4 720 0.56% 0.41% 12 8,661 0.14% 0.11% 6 720 0.83% 0.51%	6 744 0.81% 0.47% 54 8,967 0.60% 0.18% 7 744 0.94% 0.57%	1 744 0.13% 0.43% 2 9,021 0.02% 0.16% 6 744 0.81%	0 720 0.00% 0.38% 0 8,678 0.00% 0.14% 0 720 0.00%	1 744 0.13% 0.36% 2 8,940 0.02% 0.13% 13 744 1.75% 0.66%	0 720 0.00% 0.32% 0 8,671 0.00% 0.12% 0 720 0.00% 0.60%	0 744 0.00% 0.30% 0 8,954 0.00% 0.11% 0 744 0.00% 0.55%
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Mumber of intervals corrected         Number of intervals corrected         % of intervals corrected         Mumber of hours reserved         Number of hours reserved         % of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month in the month	1 744 0.13% 0.13% 1 8,938 0.01% 0.01% 1 744 0.13% 0.13% 3.00	0 672 0.00% 0.07% 0 8,049 0.00% 0.01% 0 672 0.00% 0.07% 0.00	1 744 0.13% 0.09% 1 8,924 0.01% 0.01% 1 744 0.13%	0 720 0.00% 0.07% 0 8,671 0.00% 0.01% 0 720 0.00%	12 744 1.61% 0.39% 42 8,939 0.47% 0.10% 14 744 1.88%	4 720 0.56% 0.41% 12 8,661 0.14% 0.11% 6 720 0.83%	6 744 0.81% 0.47% 54 8,967 0.60% 0.18% 7 744 0.94%	1 744 0.13% 0.43% 2 9,021 0.02% 0.16% 6 744 0.81%	0 720 0.00% 0.38% 0 8,678 0.00% 0.14% 0 720 0.00%	1 744 0.13% 0.36% 2 8,940 0.02% 0.13% 13 744 1.75% 0.66% 0.59	0 720 0.00% 0.32% 0 8,671 0.00% 0.12% 0 720 0.00% 0.60% 0.00	0 744 0.00% 0.30% 0 8,954 0.00% 0.11% 0 744 0.00%
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Mumber of intervals corrected         Number of intervals corrected         % of intervals corrected         Mumber 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 year-to-date in the month in the month in the month year-to-date	1 744 0.13% 0.13% 1 8,938 0.01% 0.01% 1 744 0.13% 0.13%	0 672 0.00% 0.07% 0 8,049 0.00% 0.01% 0 672 0.00% 0.07%	1 744 0.13% 0.09% 1 8,924 0.01% 0.01% 1 744 0.13% 0.09%	0 720 0.00% 0.07% 0 8,671 0.00% 0.01% 0 720 0.00% 0.07%	12 744 1.61% 0.39% 42 8,939 0.47% 0.10% 14 744 1.88% 0.44%	4 720 0.56% 0.41% 12 8,661 0.14% 0.11% 6 720 0.83% 0.51%	6 744 0.81% 0.47% 54 8,967 0.60% 0.18% 7 744 0.94% 0.57%	1 744 0.13% 0.43% 2 9,021 0.02% 0.16% 6 744 0.81% 0.60%	0 720 0.00% 0.38% 0 8,678 0.00% 0.14% 0 720 0.00% 0.53%	1 744 0.13% 0.36% 2 8,940 0.02% 0.13% 13 744 1.75% 0.66%	0 720 0.00% 0.32% 0 8,671 0.00% 0.12% 0 720 0.00% 0.60%	0 744 0.00% 0.30% 0 8,954 0.00% 0.11% 0 744 0.00% 0.55%
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals corrected         % of intervals corrected         % of intervals corrected         Mumber of hours reserved         Number of hours reserved         Number of hours         % of hours reserved         Days to Correction *         Avg. number of days to correction         Avg. number of days to correction         Days Without Corrections	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	1 744 0.13% 0.13% 1 8,938 0.01% 0.01% 1 744 0.13% 0.13% 3.00 3.00	0 672 0.00% 0.07% 0 8,049 0.00% 0.01% 0 672 0.00% 0.07% 0.00 3.00	1 744 0.13% 0.09% 1 8,924 0.01% 0.01% 1 744 0.13% 0.09% 0.00 1.50	0 720 0.00% 0.07% 0 8,671 0.00% 0.01% 0 720 0.00% 0.07% 0.00 1.50	12 744 1.61% 0.39% 42 8,939 0.47% 0.10% 14 744 1.88% 0.44% 0.86 1.00	4 720 0.56% 0.41% 12 8,661 0.14% 0.14% 0.11% 6 720 0.83% 0.51% 0.25 0.77	6 744 0.81% 0.47% 54 8,967 0.60% 0.18% 7 744 0.94% 0.57% 3.00 1.07	1 744 0.13% 0.43% 2 9,021 0.02% 0.16% 6 744 0.81% 0.60% 0.00 1.00	0 720 0.00% 0.38% 0 8,678 0.00% 0.14% 0 720 0.00% 0.53% 0.00 1.00	1 744 0.13% 0.36% 2 8,940 0.02% 0.13% 13 744 1.75% 0.66% 0.59 0.98	0 720 0.00% 0.32% 0 8,671 0.00% 0.12% 0 720 0.00% 0.60% 0.00 0.98	0 744 0.00% 0.30% 0 8,954 0.00% 0.11% 0 744 0.00% 0.55% 0.00 0.98
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Mumber of intervals corrected         Number of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         % of intervals corrected         Mumber of hours reserved         Number of hours reserved         % of hours reserved         % of hours reserved         % of hours reserved         % of hours reserved         Days to Correction *         Avg. number of days to correction         Avg. number of days to correction         Days without corrections	in the month in the month year-to-date in the month in the month 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	1 744 0.13% 0.13% 1 8,938 0.01% 0.01% 1 744 0.13% 0.13% 3.00 3.00 30	0 672 0.00% 0.07% 0 8,049 0.00% 0.01% 0 672 0.00% 0.07% 0.07% 0.00 3.00 28	1 744 0.13% 0.09% 1 8,924 0.01% 0.01% 1 744 0.13% 0.09% 0.00 1.50 30	0 720 0.00% 0.07% 0 8,671 0.00% 0.01% 0 720 0.00% 0.07% 0.00 1.50 30	12 744 1.61% 0.39% 42 8,939 0.47% 0.10% 14 744 1.88% 0.44% 0.86 1.00 24	4 720 0.56% 0.41% 12 8,661 0.14% 0.11% 6 720 0.83% 0.51% 0.25 0.77 26	6 744 0.81% 0.47% 54 8,967 0.60% 0.18% 7 744 0.94% 0.57% 3.00 1.07 29	1 744 0.13% 0.43% 2 9,021 0.02% 0.16% 6 744 0.81% 0.60% 0.00 1.00 30	0 720 0.00% 0.38% 0 8,678 0.00% 0.14% 0 720 0.00% 0.53% 0.00 1.00 30	1 744 0.13% 0.36% 2 8,940 0.02% 0.13% 13 744 1.75% 0.66% 0.59 0.98 30	0 720 0.00% 0.32% 0 8,671 0.00% 0.12% 0 720 0.00% 0.60% 0.60% 0.98 30	0 744 0.00% 0.30% 0 8,954 0.00% 0.11% 0 744 0.00% 0.55% 0.00 0.98 31
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals corrected         % of intervals corrected         % of intervals corrected         Mumber of hours reserved         Number of hours reserved         Number of hours         % of hours reserved         Days to Correction *         Avg. number of days to correction         Avg. number of days to correction         Days Without Corrections	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	1 744 0.13% 0.13% 1 8,938 0.01% 0.01% 1 744 0.13% 0.13% 3.00 3.00	0 672 0.00% 0.07% 0 8,049 0.00% 0.01% 0 672 0.00% 0.07% 0.00 3.00	1 744 0.13% 0.09% 1 8,924 0.01% 0.01% 1 744 0.13% 0.09% 0.00 1.50	0 720 0.00% 0.07% 0 8,671 0.00% 0.01% 0 720 0.00% 0.07% 0.00 1.50	12 744 1.61% 0.39% 42 8,939 0.47% 0.10% 14 744 1.88% 0.44% 0.86 1.00	4 720 0.56% 0.41% 12 8,661 0.14% 0.14% 0.11% 6 720 0.83% 0.51% 0.25 0.77	6 744 0.81% 0.47% 54 8,967 0.60% 0.18% 7 744 0.94% 0.57% 3.00 1.07	1 744 0.13% 0.43% 2 9,021 0.02% 0.16% 6 744 0.81% 0.60% 0.00 1.00	0 720 0.00% 0.38% 0 8,678 0.00% 0.14% 0 720 0.00% 0.53% 0.00 1.00	1 744 0.13% 0.36% 2 8,940 0.02% 0.13% 13 744 1.75% 0.66% 0.59 0.98	0 720 0.00% 0.32% 0 8,671 0.00% 0.12% 0 720 0.00% 0.60% 0.00 0.98	0 744 0.00% 0.30% 0 8,954 0.00% 0.11% 0 744 0.00% 0.55% 0.00 0.98

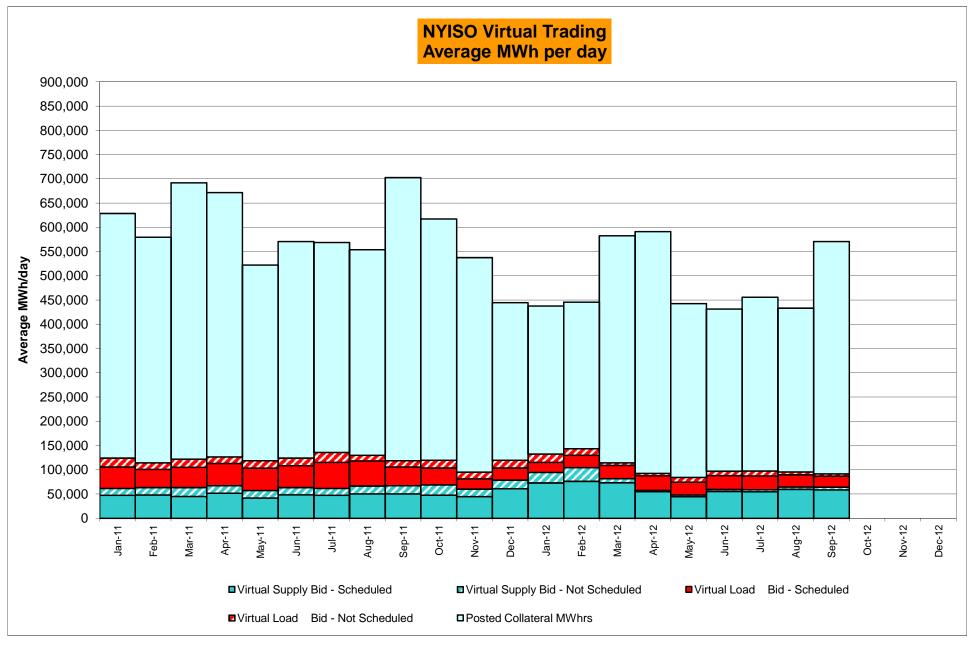
\* Calendar days from reservation date.



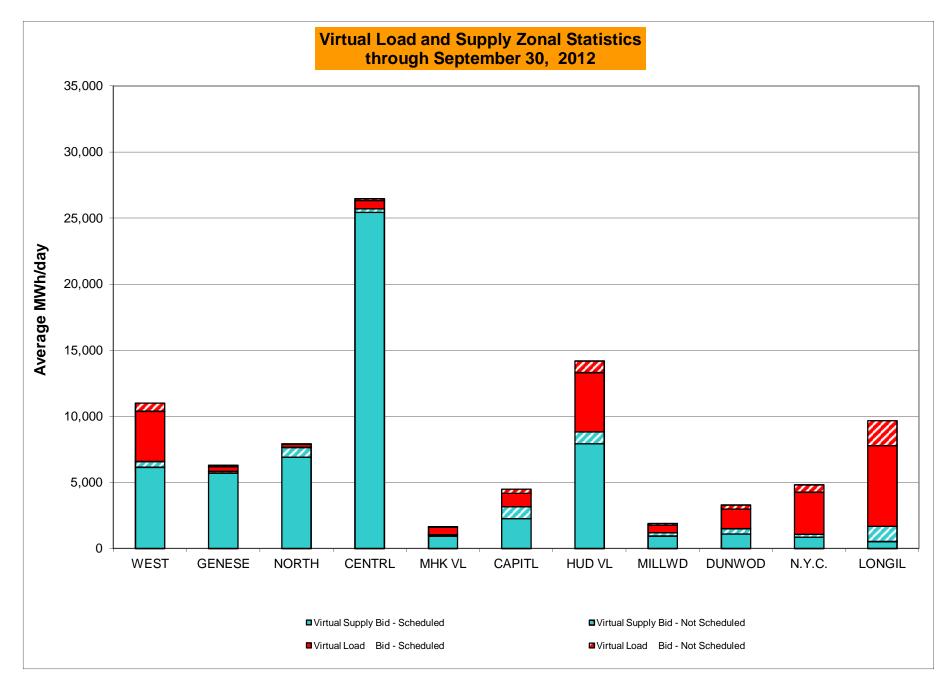
#### \* Calendar days from reservation date.

Monthly avg no. of days to correction - 2012

Market Mitigation and Analysis Prepared: 10/3/2012 8:26 AM Yearly avg no. of days to correction - 2012



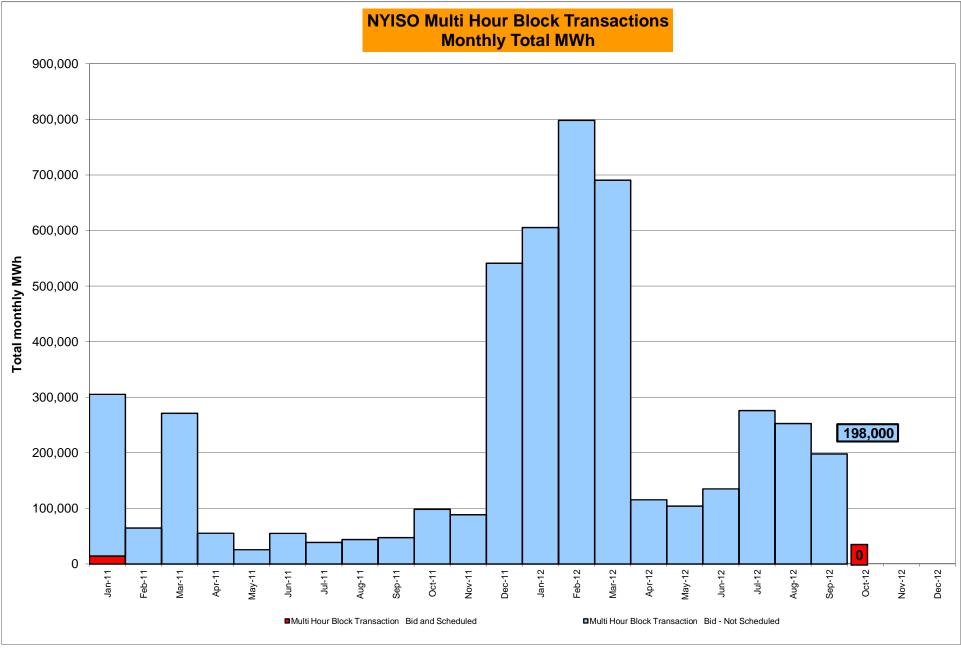
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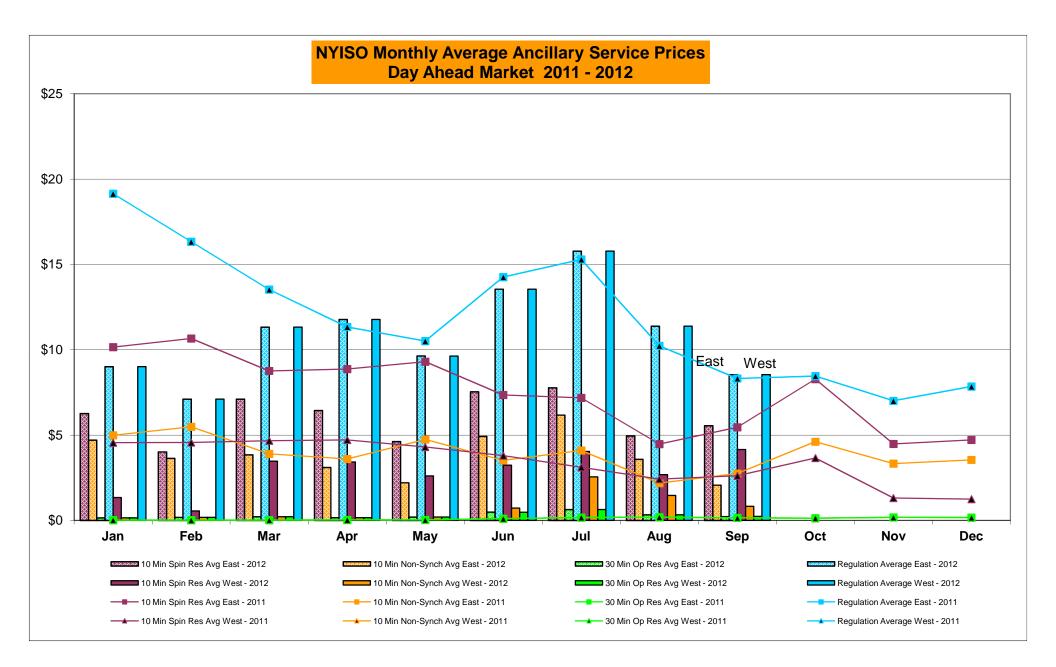
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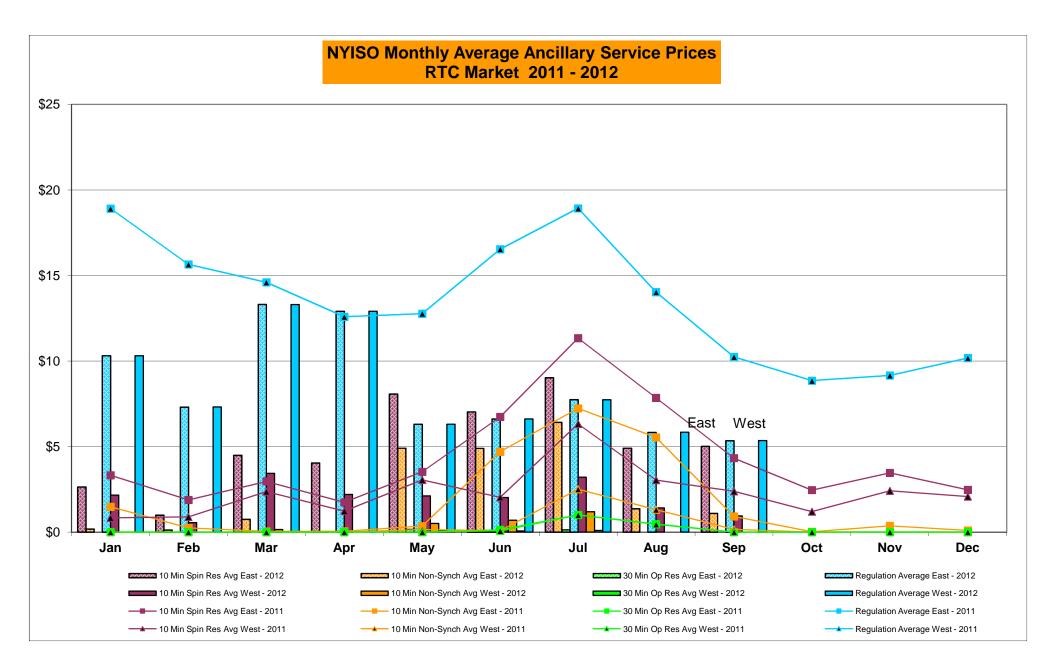
#### Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2012

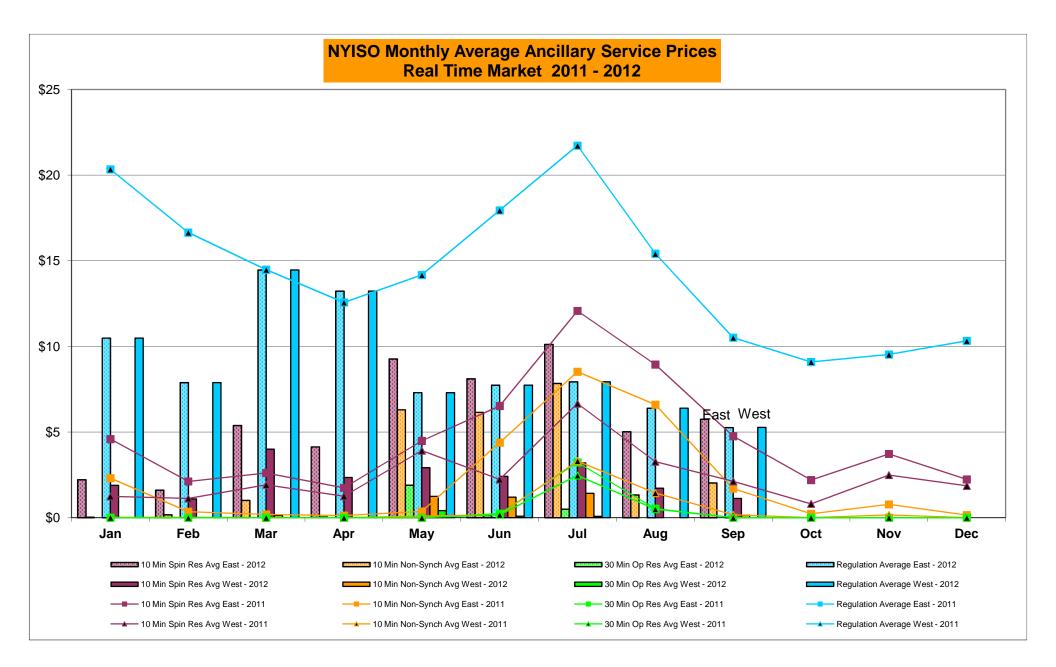
		Virtual L	ood Bid	Virtual S	upply Bid			Virtual L	ood Bid	Virtual Su	upply Bid			Virtual I	.oad Bid	Virtual Su	upply Rid
			Not	Virtual S	Not		1		Not	Virtual St	Not			Virtual L	Not	Virtual St	Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled
WEST	Jan-12		938	13,593	956	MHK VL	Jan-12		967	1,488	1,127	DUNWOD	Jan-12		461	1,432	189
	Feb-12		315	15,119	1,672		Feb-12		935	1,592	1,303		Feb-12		219		625
	Mar-12	5,008	874	15,504	1,856	-	Mar-12	521	101	863	196		Mar-12		227		135
	Apr-12	6,077	492	11,547	427		Apr-12		104		130		Apr-12	1,476	429		202
	May-12		808	11,651	385		May-12		407	860	206		May-12	2,192	720		333
	Jun-12		717	12,286	467		Jun-12		215		164		Jun-12		780		226
	Jul-12		1,402	10,293	440		Jul-12		105		141		Jul-12		1,058		326
	Aug-12		988	9,443			Aug-12		33		186		Aug-12		465		472
	Sep-12		595	6,159	422	_	Sep-12		55	952	86		Sep-12		309	1,086	429
	Oct-12						Oct-12						Oct-12				
	Nov-12						Nov-12						Nov-12				
	Dec-12						Dec-12						Dec-12				
GENESE	Jan-12	257	102	5,254	64	CAPITL	Jan-12	1,903	5,590	3,842	3,364	N.Y.C.	Jan-12	4,572	4,060	2,511	9,344
	Feb-12		52	5,238	271		Feb-12	1,408	4,213	3,379	5,116		Feb-12	2,819	3,414	4,839	10,519
	Mar-12	866	61	6,036	283		Mar-12	1,126	369	2,777	904		Mar-12	5,449	1,074	3,035	1,548
	Apr-12	580	151	7,104	147		Apr-12	1,557	645	2,625	244		Apr-12	6,909	688	1,188	66
	May-12		449	7,306	213		May-12		527		763		May-12		1,758		56
	Jun-12		236	6,271	225		Jun-12		597	3,591	855		Jun-12		1,578		137
	Jul-12		154	4,496	238		Jul-12		552		723		Jul-12		1,959		306
	Aug-12		46		175		Aug-12		302		626		Aug-12	4,066	711		314
	Sep-12		94	5,719	115	_	Sep-12		306	2,267	903		Sep-12		572	879	199
	Oct-12					_	Oct-12						Oct-12				
	Nov-12						Nov-12						Nov-12				
	Dec-12						Dec-12						Dec-12				
NORTH	Jan-12	289	967	7,215	1,189	HUD VL	Jan-12	3,466	693	9,513	2,413	LONGIL	Jan-12	5,372	2,036	684	1,383
-	Feb-12		935	7,359	1,119	_	Feb-12		794	9,250	3,788		Feb-12		1,496		1,708
	Mar-12		131	7,753	691		Mar-12		665	8,136	1,221	_	Mar-12		1,276		624
	Apr-12		85		645		Apr-12	,	1,147	11,772	442	_	Apr-12		943		17
	May-12	127	379	5,511	686		May-12	5,563	1,356	7,084	563		May-12	6,077	2,303	135	69
	Jun-12	149	56	6,391	795		Jun-12	4,574	1,246	7,085	426		Jun-12	6,801	2,805	261	195
	Jul-12		15	5,360	378	-	Jul-12	5,085	1,306	6,520	530		Jul-12		2,990	889	1,147
	Aug-12		16		761		Aug-12	4,027	841	6,628	747		Aug-12		2,005		932
	Sep-12		45	6,925	732		Sep-12		867	7,947	887		Sep-12		1,876	531	1,151
	Oct-12					1	Oct-12						Oct-12				
	Nov-12						Nov-12						Nov-12				
	Dec-12						Dec-12						Dec-12				
CENTRL	Jan-12	526	1,178	26,589	1,270	MILLWD	Jan-12	505	206	929	50	NYISO	Jan-12	20,956	17,198	73,050	21,349
	Feb-12		1,175	25,087	2,011		Feb-12		161	949	88		Feb-12		13,708		28,222
	Mar-12	993	171	27,015	1,187		Mar-12	442	99	736	79		Mar-12	27,405	5,047	73,193	8,725
	Apr-12		169	11,465	143		Apr-12	556	134	1,019	109		Apr-12	30,003	4,987		2,572
	May-12		543	5,516	265	1	May-12		540	875	237	1	May-12		9,789		3,776
	Jun-12		292	16,084	263	1	Jun-12		583	530	124	7	Jun-12	,	9,104		3,877
	Jul-12		339	19,954	150	1	Jul-12	1,234	361	455	113	1	Jul-12		10,241		4,491
	Aug-12		88	25,079	153	1	Aug-12	709	138		72		Aug-12		5,631	59,865	4,848
	Sep-12		138	25,455	243	1	Sep-12	557	136	945	254		Sep-12		4,995		5,421
	Oct-12					1	Oct-12					7	Oct-12				
	Nov-12					1	Nov-12						Nov-12				
	Dec-12						Dec-12						Dec-12				



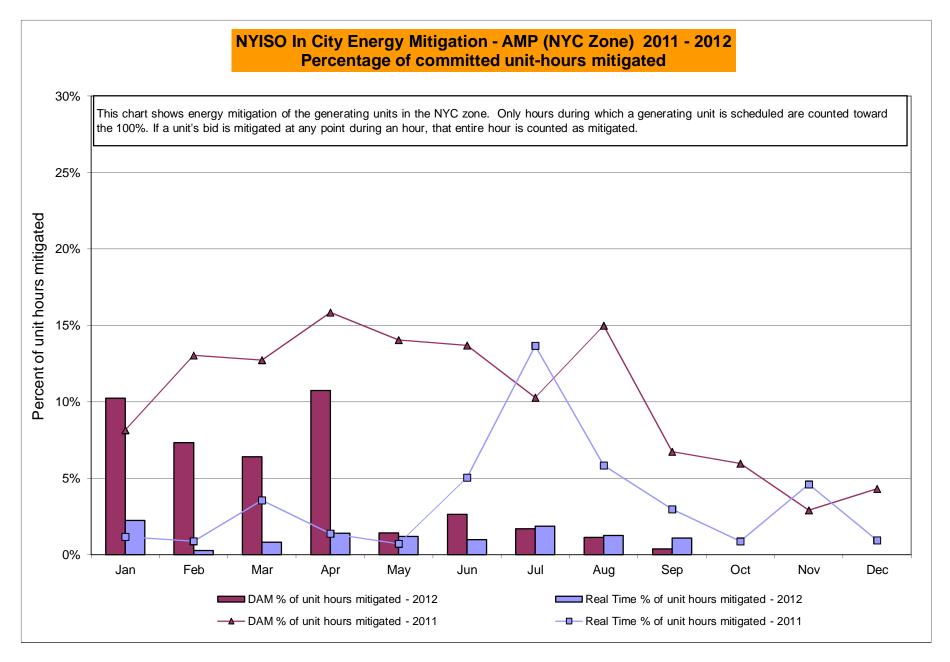
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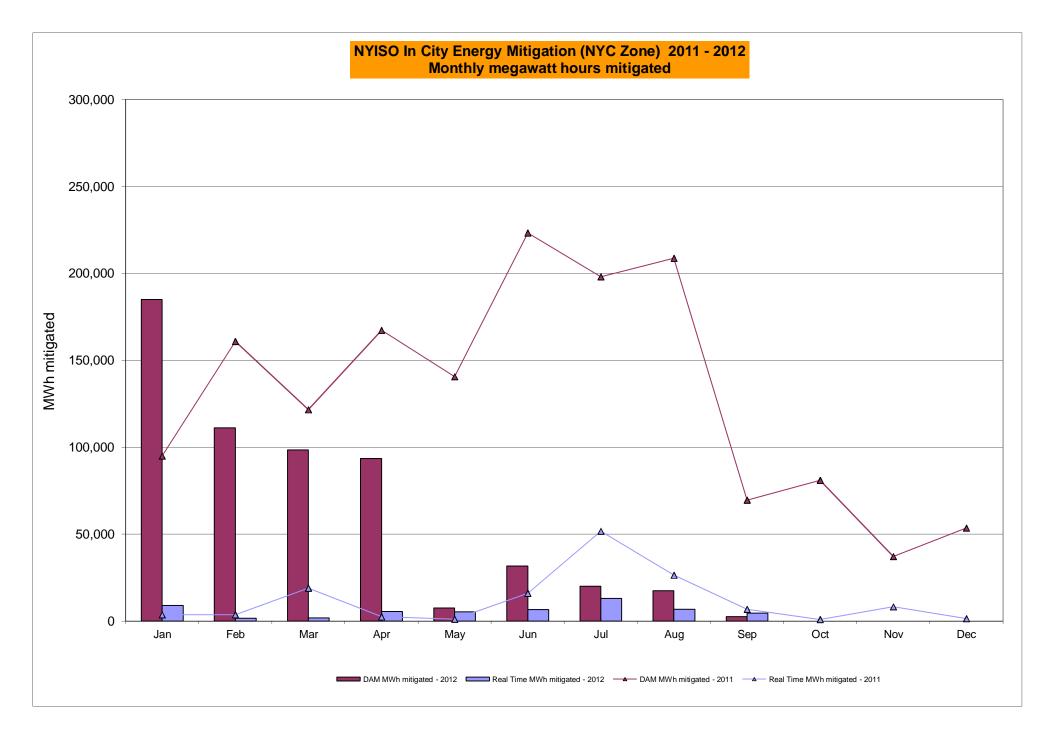


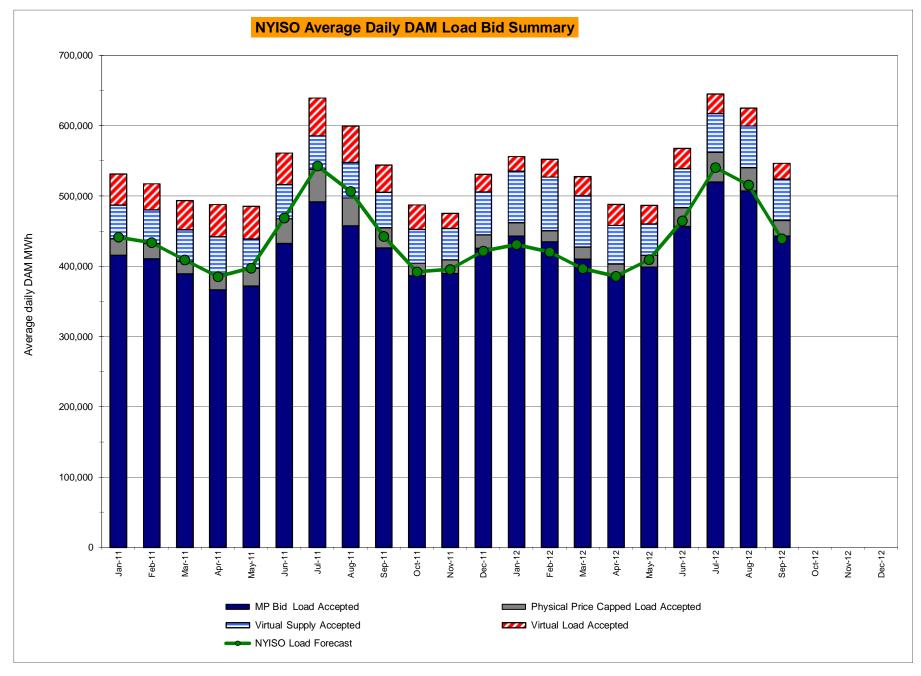


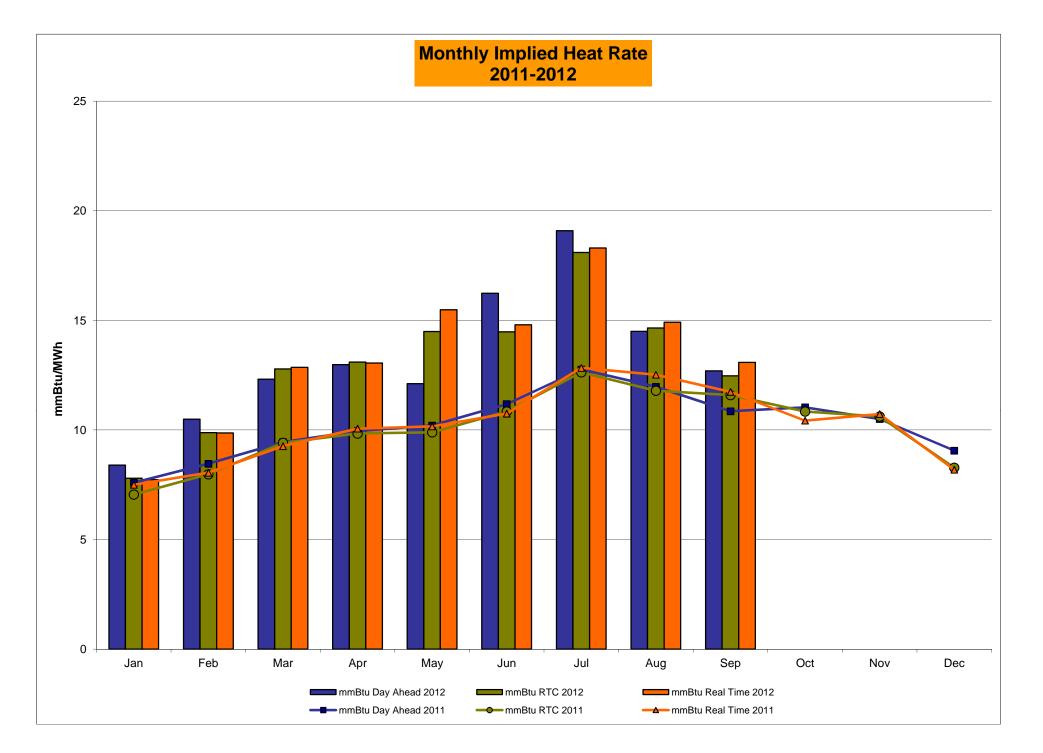


		NYISO	Markets Ar	ncillary Ser	vices Stati	<u>stics - Unw</u>	veighted P	rice (\$/MV	<u>VH)</u>			
<u>2012</u>	January	February	March	April	May	June	July	August	September	October	November	December
Day Ahead Market												
10 Min Spin East	6.26	4.01	7.11	6.44	4.62	7.54	7.77	4.95	5.55			
10 Min Spin West	1.34	0.56	3.46	3.43	2.61	3.23	4.04	2.68	4.16			
10 Min Non Synch East	4.71	3.64	3.85	3.11	2.21	4.92	6.18	3.58	2.07			
10 Min Non Synch West	0.15	0.18	0.22	0.16	0.20	0.72	2.55	1.47	0.82			
30 Min East	0.15	0.18	0.22	0.16	0.20	0.48	0.64	0.33	0.23			
30 Min West	0.15	0.18	0.22	0.16	0.20	0.48	0.64	0.33	0.23			
Regulation East	9.01	7.11	11.33	11.77	9.63	13.55	15.78	11.38	8.54			
Regulation West	9.01	7.11	11.33	11.77	9.63	13.55	15.78	11.38	8.54			
RTC Market												
10 Min Spin East	2.64	0.99	4.49	4.05	8.07	7.03	9.02	4.91	5.02			
10 Min Spin West	2.16	0.55	3.43	2.20	2.11	2.02	3.21	1.41	0.95			
10 Min Non Synch East	0.17	0.13	0.75	0.02	4.90	4.90	6.42	1.36	1.10			
10 Min Non Synch West	0.00	0.00	0.15	0.00	0.50	0.69	1.19	0.00	0.00			
30 Min East	0.00	0.00	0.00	0.00	0.16	0.07	0.13	0.00	0.00			
30 Min West	0.00	0.00	0.00	0.00	0.07	0.07	0.10	0.00	0.00			
Regulation East	10.31	7.31	13.30	12.91	6.31	6.61	7.74	5.83	5.35			
Regulation West	10.31	7.31	13.30	12.91	6.31	6.61	7.74	5.83	5.35			
Real Time Market												
10 Min Spin East	2.21	1.61	5.38	4.14	9.27	8.11	10.12	5.01	5.75			
10 Min Spin West	1.89	1.09	4.00	2.34	2.92	2.41	3.20	1.72	1.13			
10 Min Non Synch East	0.03	0.17	1.01	0.03	6.31	6.15	7.84	1.33	2.03			
10 Min Non Synch West	0.00	0.00	0.13	0.00	1.24	1.20	1.42	0.00	0.14			
30 Min East	0.00	0.00	0.00	0.00	1.90	0.13	0.49	0.00	0.00			
30 Min West	0.00	0.00	0.00	0.00	0.41	0.09	0.08	0.00	0.00			
Regulation East	10.49	7.89	14.46	13.23	7.30	7.74	7.93	6.39	5.27			
Regulation West	10.49	7.89	14.46	13.23	7.30	7.74	7.93	6.39	5.27			
2011	January	February	March	April	May	June	July	August	September	October	November	December
2011 Day Ahead Market	January	February	March	<u>April</u>	<u>May</u>	June	July	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
2011 Day Ahead Market 10 Min Spin East	<u>January</u> 10.15	<u>February</u> 10.66	<u>March</u> 8.76	<u>April</u> 8.87	<u>May</u> 9.30	<u>June</u> 7.35	<u>July</u> 7.18	<u>August</u> 4.47	<u>September</u> 5.46	<u>October</u> 7.76	<u>November</u> 4.48	December 4.72
Day Ahead Market												
Day Ahead Market 10 Min Spin East	10.15	10.66	8.76	8.87	9.30	7.35	7.18	4.47	5.46	7.76	4.48	4.72
Day Ahead Market 10 Min Spin East 10 Min Spin West	10.15 4.55	10.66 4.56	8.76 4.67	8.87 4.72	9.30 4.30	7.35 3.80	7.18 3.12	4.47 2.42	5.46 2.62	7.76 3.15	4.48 1.32	4.72 1.25
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East	10.15 4.55 4.99	10.66 4.56 5.48	8.76 4.67 3.90	8.87 4.72 3.60	9.30 4.30 4.75	7.35 3.80 3.51	7.18 3.12 4.10	4.47 2.42 2.19	5.46 2.62 2.75	7.76 3.15 4.62	4.48 1.32 3.33	4.72 1.25 3.55
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West	10.15 4.55 4.99 0.02	10.66 4.56 5.48 0.02	8.76 4.67 3.90 0.02	8.87 4.72 3.60 0.03	9.30 4.30 4.75 0.03	7.35 3.80 3.51 0.10	7.18 3.12 4.10 0.17	4.47 2.42 2.19 0.19	5.46 2.62 2.75 0.15	7.76 3.15 4.62 0.14	4.48 1.32 3.33 0.18	4.72 1.25 3.55 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	10.15 4.55 4.99 0.02 0.02	10.66 4.56 5.48 0.02 0.02	8.76 4.67 3.90 0.02 0.02	8.87 4.72 3.60 0.03 0.03	9.30 4.30 4.75 0.03 0.03	7.35 3.80 3.51 0.10 0.10	7.18 3.12 4.10 0.17 0.17	4.47 2.42 2.19 0.19 0.19	5.46 2.62 2.75 0.15 0.15	7.76 3.15 4.62 0.14 0.14	4.48 1.32 3.33 0.18 0.18	4.72 1.25 3.55 0.17 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	10.15 4.55 4.99 0.02 0.02 0.02	10.66 4.56 5.48 0.02 0.02 0.02	8.76 4.67 3.90 0.02 0.02 0.02	8.87 4.72 3.60 0.03 0.03 0.03	9.30 4.30 4.75 0.03 0.03 0.03	7.35 3.80 3.51 0.10 0.10 0.10	7.18 3.12 4.10 0.17 0.17 0.17	4.47 2.42 2.19 0.19 0.19 0.19	5.46 2.62 2.75 0.15 0.15 0.15	7.76 3.15 4.62 0.14 0.14 0.14	4.48 1.32 3.33 0.18 0.18 0.18	4.72 1.25 3.55 0.17 0.17 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 East Regulation West	10.15 4.55 4.99 0.02 0.02 0.02 19.14	10.66 4.56 5.48 0.02 0.02 0.02 16.33	8.76 4.67 3.90 0.02 0.02 0.02 13.53	8.87 4.72 3.60 0.03 0.03 0.03 11.34	9.30 4.30 4.75 0.03 0.03 0.03 10.51	7.35 3.80 3.51 0.10 0.10 0.10 14.26	7.18 3.12 4.10 0.17 0.17 0.17 15.29	4.47 2.42 2.19 0.19 0.19 0.19 10.23	5.46 2.62 2.75 0.15 0.15 0.15 8.32	7.76 3.15 4.62 0.14 0.14 0.14 8.02	4.48 1.32 3.33 0.18 0.18 0.18 7.01	4.72 1.25 3.55 0.17 0.17 0.17 7.85
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 East Regulation West RTC Market	10.15 4.55 4.99 0.02 0.02 0.02 19.14 19.14	10.66 4.56 5.48 0.02 0.02 0.02 16.33 16.33	8.76 4.67 3.90 0.02 0.02 0.02 13.53 13.53	8.87 4.72 3.60 0.03 0.03 0.03 11.34 11.34	9.30 4.30 4.75 0.03 0.03 0.03 10.51 10.51	7.35 3.80 3.51 0.10 0.10 0.10 14.26 14.26	7.18 3.12 4.10 0.17 0.17 0.17 15.29 15.29	4.47 2.42 2.19 0.19 0.19 0.19 10.23 10.23	5.46 2.62 2.75 0.15 0.15 0.15 8.32 8.32	7.76 3.15 4.62 0.14 0.14 0.14 8.02 8.02	4.48 1.32 3.33 0.18 0.18 0.18 7.01 7.01	4.72 1.25 3.55 0.17 0.17 0.17 7.85 7.85
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation WestRegulation WestRTC Market10 Min Spin East	10.15 4.55 4.99 0.02 0.02 0.02 19.14 19.14 3.32	10.66 4.56 5.48 0.02 0.02 0.02 16.33 16.33 1.88	8.76 4.67 3.90 0.02 0.02 0.02 13.53 13.53 2.96	8.87 4.72 3.60 0.03 0.03 0.03 11.34 11.34 11.34	9.30 4.30 4.75 0.03 0.03 0.03 10.51 10.51 3.52	7.35 3.80 3.51 0.10 0.10 0.10 14.26 14.26 6.74	7.18 3.12 4.10 0.17 0.17 0.17 15.29 15.29	4.47 2.42 2.19 0.19 0.19 0.19 10.23 10.23 7.84	5.46 2.62 2.75 0.15 0.15 0.15 8.32 8.32 4.33	7.76 3.15 4.62 0.14 0.14 0.14 8.02 8.02 3.84	4.48 1.32 3.33 0.18 0.18 0.18 7.01 7.01 3.46	4.72 1.25 3.55 0.17 0.17 0.17 7.85 7.85 2.47
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation WestRegulation WestRTC Market10 Min Spin East10 Min Spin West	10.15 4.55 4.99 0.02 0.02 0.02 19.14 19.14 3.32 0.83	10.66 4.56 5.48 0.02 0.02 0.02 16.33 16.33 16.33	8.76 4.67 3.90 0.02 0.02 13.53 13.53 2.96 2.37	8.87 4.72 3.60 0.03 0.03 11.34 11.34 11.34	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05	7.35 3.80 3.51 0.10 0.10 0.10 14.26 14.26 6.74 2.03	7.18 3.12 4.10 0.17 0.17 15.29 15.29 11.34 6.33	4.47 2.42 2.19 0.19 0.19 0.19 10.23 10.23 7.84 3.04	5.46 2.62 2.75 0.15 0.15 0.15 8.32 8.32 4.33 2.38	7.76 3.15 4.62 0.14 0.14 0.14 8.02 8.02 3.84 2.23	4.48 1.32 3.33 0.18 0.18 7.01 7.01 3.46 2.41	4.72 1.25 3.55 0.17 0.17 0.17 7.85 7.85 2.47 2.08
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation WestRegulation West10 Min Spin East10 Min Spin East10 Min Spin West10 Min Spin West10 Min Spin West10 Min Spin West10 Min Non Synch East10 Min Non Synch East	10.15 4.55 4.99 0.02 0.02 0.02 19.14 19.14 3.32 0.83 1.48	10.66 4.56 5.48 0.02 0.02 0.02 16.33 16.33 16.33	8.76 4.67 3.90 0.02 0.02 13.53 13.53 2.96 2.37 0.04	8.87 4.72 3.60 0.03 0.03 11.34 11.34 11.34 1.74 1.23 0.05	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35	7.35 3.80 3.51 0.10 0.10 14.26 14.26 6.74 2.03 4.69	7.18 3.12 4.10 0.17 0.17 0.17 15.29 15.29 15.29	4.47 2.42 2.19 0.19 0.19 0.19 10.23 10.23 7.84 3.04 5.54	5.46 2.62 2.75 0.15 0.15 0.15 8.32 8.32 4.33 2.38 0.91	7.76 3.15 4.62 0.14 0.14 0.14 8.02 8.02 3.84 2.23 0.10	4.48 1.32 3.33 0.18 0.18 0.18 7.01 7.01 3.46 2.41 0.37	4.72 1.25 3.55 0.17 0.17 0.17 7.85 7.85 2.47 2.08 0.09
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation WestRegulation WestRTC Market10 Min Spin East10 Min Spin West	10.15 4.55 4.99 0.02 0.02 0.02 19.14 19.14 3.32 0.83	10.66 4.56 5.48 0.02 0.02 0.02 16.33 16.33 16.33	8.76 4.67 3.90 0.02 0.02 13.53 13.53 2.96 2.37	8.87 4.72 3.60 0.03 0.03 11.34 11.34 11.34	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05	7.35 3.80 3.51 0.10 0.10 0.10 14.26 14.26 6.74 2.03	7.18 3.12 4.10 0.17 0.17 15.29 15.29 11.34 6.33	4.47 2.42 2.19 0.19 0.19 0.19 10.23 10.23 7.84 3.04	5.46 2.62 2.75 0.15 0.15 0.15 8.32 8.32 4.33 2.38	7.76 3.15 4.62 0.14 0.14 0.14 8.02 8.02 3.84 2.23	4.48 1.32 3.33 0.18 0.18 7.01 7.01 3.46 2.41	4.72 1.25 3.55 0.17 0.17 0.17 7.85 7.85 2.47 2.08
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation WestRTC Market10 Min Spin East10 Min Spin West10 Min Spin West10 Min Non Synch East10 Min Non Synch East10 Min Non Synch East10 Min Non Synch West10 Min Non Synch West10 Min Non Synch West	10.15 4.55 4.99 0.02 0.02 0.02 19.14 19.14 19.14 3.32 0.83 1.48 0.00	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00$	8.76 4.67 3.90 0.02 0.02 13.53 13.53 2.96 2.37 0.04 0.00	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ \end{array}$	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.15	7.35 3.80 3.51 0.10 0.10 14.26 14.26 14.26 6.74 2.03 4.69 0.07	7.18 3.12 4.10 0.17 0.17 15.29 15.29 15.29 11.34 6.33 7.23 2.51	4.47 2.42 2.19 0.19 0.19 0.19 10.23 10.23 7.84 3.04 5.54 1.31	5.46 2.62 2.75 0.15 0.15 8.32 8.32 4.33 2.38 0.91 0.16	7.76 3.15 4.62 0.14 0.14 8.02 8.02 3.84 2.23 0.10 0.00	4.48 1.32 3.33 0.18 0.18 7.01 7.01 3.46 2.41 0.37 0.01	4.72 1.25 3.55 0.17 0.17 7.85 7.85 2.47 2.08 0.09 0.00
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation WestTC Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch East10 Min Non Synch West30 Min Non Synch West30 Min Non Synch West30 Min Non Synch West30 Min East	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.0$	8.76 4.67 3.90 0.02 0.02 13.53 13.53 2.96 2.37 0.04 0.00 0.00 0.00	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.15 0.00 0.00	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ \end{array}$	7.18 3.12 4.10 0.17 0.17 15.29 15.29 15.29 11.34 6.33 7.23 2.51 1.01 1.00	4.47 2.42 2.19 0.19 0.19 10.23 10.23 7.84 3.04 5.54 1.31 0.47 0.45	5.46 2.62 2.75 0.15 0.15 8.32 8.32 4.33 2.38 0.91 0.16 0.00 0.00	7.76 3.15 4.62 0.14 0.14 0.14 8.02 8.02 3.84 2.23 0.10 0.00 0.00 0.00	4.48 1.32 3.33 0.18 0.18 7.01 7.01 3.46 2.41 0.37 0.01 0.00 0.00	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 2.47\\ 2.08\\ 0.09\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation WestTC Market10 Min Spin East10 Min Spin West10 Min Non Synch Kest10 Min Non Synch West30 Min Non Synch West30 Min Non Synch West30 Min East30 Min East30 Min East30 Min West	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00$	8.76 4.67 3.90 0.02 0.02 13.53 13.53 2.96 2.37 0.04 0.00 0.00	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 9.30 \\ 4.30 \\ 4.75 \\ 0.03 \\ 0.03 \\ 10.51 \\ 10.51 \\ 3.52 \\ 3.05 \\ 0.35 \\ 0.15 \\ 0.00 \end{array}$	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ \end{array}$	7.18 3.12 4.10 0.17 0.17 15.29 15.29 11.34 6.33 7.23 2.51 1.01	4.47 2.42 2.19 0.19 0.19 10.23 10.23 10.23 7.84 3.04 5.54 1.31 0.47	5.46 2.62 2.75 0.15 0.15 8.32 8.32 4.33 2.38 0.91 0.16 0.00	7.76 3.15 4.62 0.14 0.14 0.14 8.02 8.02 3.84 2.23 0.10 0.00 0.00	4.48 1.32 3.33 0.18 0.18 7.01 7.01 3.46 2.41 0.37 0.01 0.00	4.72 1.25 3.55 0.17 0.17 7.85 7.85 2.47 2.08 0.09 0.00 0.00
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation WestTC Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch East30 Min West80 Min West10 Min Non Synch West30 Min West30 Min West80 Min	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 10.15 \\ 0.01 \\ 0.01 \\ 0.00 \\ 0.$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 0.00 \\ 0.$	8.76 4.67 3.90 0.02 0.02 13.53 13.53 2.96 2.37 0.04 0.00 0.00 0.00 14.60	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ \end{array}$	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.15 0.00 0.00 12.77	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54 \end{array}$	7.18 3.12 4.10 0.17 0.17 15.29 15.29 15.29 11.34 6.33 7.23 2.51 1.01 1.00 18.93	4.47 2.42 2.19 0.19 0.19 10.23 10.23 7.84 3.04 5.54 1.31 0.47 0.45 14.03	5.46 2.62 2.75 0.15 0.15 0.15 8.32 8.32 4.33 2.38 0.91 0.16 0.00 0.00 10.24	7.76 3.15 4.62 0.14 0.14 0.14 8.02 8.02 3.84 2.23 0.10 0.00 0.00 0.00 9.62	4.48 1.32 3.33 0.18 0.18 7.01 7.01 3.46 2.41 0.37 0.01 0.00 0.00 9.16	4.72 1.25 3.55 0.17 0.17 0.17 7.85 7.85 2.47 2.08 0.09 0.00 0.00 0.00 0.00 0.00 0.00 0
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation WestTC Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch East30 Min WestRegulation East10 Min Spin East30 Min West30 Min WestRegulation East30 Min WestRegulation EastRegulation EastRegulation WestRegulation West </td <td>10.15 4.55 4.99 0.02 0.02 19.14 19.14 3.32 0.83 1.48 0.00 0.00 0.00 18.91 18.91</td> <td><math display="block">10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 </math></td> <td>8.76 4.67 3.90 0.02 0.02 13.53 13.53 2.96 2.37 0.04 0.00 0.00 14.60 14.60</td> <td><math display="block">\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\end{array}</math></td> <td>9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.35 0.15 0.00 0.00 12.77 12.77</td> <td>7.35 <math display="block">3.80</math> <math display="block">3.51</math> <math display="block">0.10</math> <math display="block">0.10</math> <math display="block">14.26</math> <math display="block">14.26</math> <math display="block">4.26</math> <math display="block">6.74</math> <math display="block">2.03</math> <math display="block">4.69</math> <math display="block">0.07</math> <math display="block">0.13</math> <math display="block">0.07</math> <math display="block">16.54</math> <math display="block">16.54</math></td> <td>7.18 <math display="block">3.12</math> <math display="block">4.10</math> <math display="block">0.17</math> <math display="block">0.17</math> <math display="block">15.29</math> <math display="block">15.29</math> <math display="block">11.34</math> <math display="block">6.33</math> <math display="block">7.23</math> <math display="block">2.51</math> <math display="block">1.01</math> <math display="block">1.00</math> <math display="block">18.93</math> <math display="block">18.93</math></td> <td><math display="block">\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ \end{array}</math></td> <td>5.46 2.62 2.75 0.15 0.15 0.15 8.32 8.32 4.33 2.38 0.91 0.16 0.00 0.00 10.24 10.24</td> <td><math display="block">\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}</math></td> <td>4.48 1.32 3.33 0.18 0.18 7.01 7.01 3.46 2.41 0.37 0.01 0.00 0.00 9.16 9.16</td> <td><math display="block">\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 2.47\\ 2.08\\ 0.09\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 10.18\\ 10.18\end{array}</math></td>	10.15 4.55 4.99 0.02 0.02 19.14 19.14 3.32 0.83 1.48 0.00 0.00 0.00 18.91 18.91	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 $	8.76 4.67 3.90 0.02 0.02 13.53 13.53 2.96 2.37 0.04 0.00 0.00 14.60 14.60	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\end{array}$	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.35 0.15 0.00 0.00 12.77 12.77	7.35 $3.80$ $3.51$ $0.10$ $0.10$ $14.26$ $14.26$ $4.26$ $6.74$ $2.03$ $4.69$ $0.07$ $0.13$ $0.07$ $16.54$ $16.54$	7.18 $3.12$ $4.10$ $0.17$ $0.17$ $15.29$ $15.29$ $11.34$ $6.33$ $7.23$ $2.51$ $1.01$ $1.00$ $18.93$ $18.93$	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ \end{array}$	5.46 2.62 2.75 0.15 0.15 0.15 8.32 8.32 4.33 2.38 0.91 0.16 0.00 0.00 10.24 10.24	$\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}$	4.48 1.32 3.33 0.18 0.18 7.01 7.01 3.46 2.41 0.37 0.01 0.00 0.00 9.16 9.16	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 2.47\\ 2.08\\ 0.09\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 10.18\\ 10.18\end{array}$
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation West <b>RTC Market</b> 10 Min Spin East10 Min Spin West10 Min Non Synch West30 Min West899910 Min Spin East10 Min Non Synch West30 Min East30 Min West8999 <td>10.15 4.55 4.99 0.02 0.02 19.14 19.14 3.32 0.83 1.48 0.00 0.00 0.00 18.91 18.91 4.59</td> <td><math display="block">10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 15.65 \\ 2.12 </math></td> <td>8.76 4.67 3.90 0.02 0.02 13.53 13.53 2.96 2.37 0.04 0.00 0.00 14.60 14.60 2.61</td> <td><math display="block">\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ \end{array}</math></td> <td>9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.35 0.15 0.00 0.00 12.77 12.77 4.49</td> <td><math display="block">\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ \end{array}</math></td> <td>7.18 3.12 4.10 0.17 0.17 15.29 15.29 15.29 11.34 6.33 7.23 2.51 1.01 1.00 18.93 18.93 18.93</td> <td>4.47 2.42 2.19 0.19 0.19 10.23 10.23 10.23 7.84 3.04 5.54 1.31 0.47 0.45 14.03 14.03 8.94</td> <td>5.46 2.62 2.75 0.15 0.15 0.15 8.32 8.32 4.33 2.38 0.91 0.16 0.00 0.00 10.24 10.24 4.75</td> <td>7.76 3.15 4.62 0.14 0.14 0.14 8.02 8.02 3.84 2.23 0.10 0.00 0.00 0.00 9.62 9.62 3.03</td> <td>4.48 1.32 3.33 0.18 0.18 7.01 7.01 3.46 2.41 0.37 0.01 0.00 0.00 9.16 9.16 3.72</td> <td><math display="block">\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 2.47\\ 2.08\\ 0.09\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 10.18\\ 10.18\\ 10.18\\ 2.24\\ \end{array}</math></td>	10.15 4.55 4.99 0.02 0.02 19.14 19.14 3.32 0.83 1.48 0.00 0.00 0.00 18.91 18.91 4.59	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 15.65 \\ 2.12 $	8.76 4.67 3.90 0.02 0.02 13.53 13.53 2.96 2.37 0.04 0.00 0.00 14.60 14.60 2.61	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ \end{array}$	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.35 0.15 0.00 0.00 12.77 12.77 4.49	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ \end{array}$	7.18 3.12 4.10 0.17 0.17 15.29 15.29 15.29 11.34 6.33 7.23 2.51 1.01 1.00 18.93 18.93 18.93	4.47 2.42 2.19 0.19 0.19 10.23 10.23 10.23 7.84 3.04 5.54 1.31 0.47 0.45 14.03 14.03 8.94	5.46 2.62 2.75 0.15 0.15 0.15 8.32 8.32 4.33 2.38 0.91 0.16 0.00 0.00 10.24 10.24 4.75	7.76 3.15 4.62 0.14 0.14 0.14 8.02 8.02 3.84 2.23 0.10 0.00 0.00 0.00 9.62 9.62 3.03	4.48 1.32 3.33 0.18 0.18 7.01 7.01 3.46 2.41 0.37 0.01 0.00 0.00 9.16 9.16 3.72	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 2.47\\ 2.08\\ 0.09\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 10.18\\ 10.18\\ 10.18\\ 2.24\\ \end{array}$
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 East         Regulation West         10 Min Spin East         10 Min Spin East         10 Min Non Synch Kest         10 Min Spin West         10 Min Non Synch Kest         10 Min Non Synch West         30 Min West         Regulation East         30 Min West         Regulation East         Regulation East         10 Min Non Synch West         30 Min West         Regulation East         Regulation West         Regulation West         Regulation West         Regulation West         Regulation West         Real Time Market         10 Min Spin East         10 Min Spin West	10.15 4.55 4.99 0.02 0.02 19.14 19.14 19.14 3.32 0.83 1.48 0.00 0.00 0.00 0.00 18.91 18.91 4.59 1.25	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 15.65 \\ 2.12 \\ 1$	$\begin{array}{c} 8.76\\ 4.67\\ 3.90\\ 0.02\\ 0.02\\ 13.53\\ 13.53\\ 13.53\\ 2.96\\ 2.37\\ 0.04\\ 0.00\\ 0.00\\ 0.00\\ 14.60\\ 14.60\\ 14.60\\ 14.60\\ 1.92\\ \end{array}$	8.87 4.72 3.60 0.03 0.03 11.34 11.34 11.34 1.74 1.23 0.05 0.00 0.00 0.00 12.59 12.59 12.59	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.35 0.15 0.00 0.00 12.77 12.77 4.49 3.92	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ \end{array}$	7.18 $3.12$ $4.10$ $0.17$ $0.17$ $15.29$ $15.29$ $11.34$ $6.33$ $7.23$ $2.51$ $1.01$ $1.00$ $18.93$ $18.93$ $12.08$ $6.66$	4.47 2.42 2.19 0.19 0.19 10.23 10.23 10.23 7.84 3.04 5.54 1.31 0.47 0.45 14.03 14.03 14.03 8.94 3.27	$\begin{array}{c} 5.46\\ 2.62\\ 2.75\\ 0.15\\ 0.15\\ 0.15\\ 8.32\\ 8.32\\ \end{array}$	$\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}$	4.48 1.32 3.33 0.18 0.18 0.18 7.01 7.01 3.46 2.41 0.37 0.01 0.00 0.00 9.16 9.16 9.16 3.72 2.49	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ \end{array}$
Day Ahead Market         10 Min Spin East         10 Min Non Synch East         10 Min Non Synch East         10 Min Non Synch West         30 Min East         30 Min West         Regulation East         Regulation West <b>RTC Market</b> 10 Min Spin East         10 Min Non Synch East         10 Min Non Synch East         10 Min Non Synch West         30 Min West         Regulation East         30 Min West         Regulation East         30 Min West         Regulation East         Rom Non Synch West         30 Min West         Regulation East         Rom Non Synch West         Rom Non Synch East         10 Min Spin West         Real Time Market         10 Min Spin West	10.15 4.55 4.99 0.02 0.02 19.14 19.14 19.14 3.32 0.83 1.48 0.00 0.00 18.91 18.91 4.59 1.25 2.31	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 2.12 \\ 1.12 \\ 0.35 \\ 10.00 \\ 0$	$\begin{array}{c} 8.76\\ 4.67\\ 3.90\\ 0.02\\ 0.02\\ 13.53\\ 13.53\\ 13.53\\ \hline 2.96\\ 2.37\\ 0.04\\ 0.00\\ 0.00\\ 0.00\\ 14.60\\ 14.60\\ 14.60\\ \hline 2.61\\ 1.92\\ 0.19\\ \end{array}$	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ 1.26\\ 0.13\\ \end{array}$	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.35 0.15 0.00 0.00 12.77 12.77 4.49 3.92 0.37	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 6.52\\ 2.23\\ 4.38\\ \end{array}$	$\begin{array}{c} 7.18\\ 3.12\\ 4.10\\ 0.17\\ 0.17\\ 15.29\\ 15.29\\ 15.29\\ 11.34\\ 6.33\\ 7.23\\ 2.51\\ 1.01\\ 1.00\\ 18.93\\ 18.93\\ 18.93\\ 12.08\\ 6.66\\ 8.52\\ \end{array}$	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ 14.03\\ \hline 8.94\\ 3.27\\ 6.60\\ \end{array}$	5.46 2.62 2.75 0.15 0.15 0.15 8.32 8.32 4.33 2.38 0.91 0.16 0.00 0.00 10.24 10.24 4.75 2.12 1.71	$\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}$	4.48 1.32 3.33 0.18 0.18 7.01 7.01 3.46 2.41 0.37 0.01 0.00 9.16 9.16 3.72 2.49 0.77	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ \end{array}$
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation WestRTC Market10 Min Spin East10 Min Non Synch East10 Min Non Synch East30 Min WestRegulation East30 Min West8 Regulation East30 Min West8 Regulation West30 Min West8 Regulation West8 Regulation West8 Regulation West9 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch East10 Min Non Synch East10 Min Non Synch West	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 18.91 \\ 4.59 \\ 1.25 \\ 2.31 \\ 0.02 \\ $	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 15.65 \\ 2.12 \\ 1.12 \\ 0.35 \\ 0.02 \\ $	8.76 4.67 3.90 0.02 0.02 13.53 13.53 13.53 2.96 2.37 0.04 0.00 0.00 14.60 14.60 14.60 2.61 1.92 0.19 0.00	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ 1.26\\ 0.13\\ 0.00\\ \end{array}$	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.35 0.35 0.15 0.00 0.00 12.77 12.77 4.49 3.92 0.37 0.10	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 3.223\\ 4.38\\ 0.18\\ \end{array}$	$\begin{array}{c} 7.18\\ 3.12\\ 4.10\\ 0.17\\ 0.17\\ 15.29\\ 15.29\\ 15.29\\ 11.34\\ 6.33\\ 7.23\\ 2.51\\ 1.01\\ 1.00\\ 18.93\\ 18.93\\ 12.08\\ 6.66\\ 8.52\\ 3.31\\ \end{array}$	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ 14.03\\ \hline 8.94\\ 3.27\\ 6.60\\ 1.44\\ \end{array}$	5.46 2.62 2.75 0.15 0.15 0.15 8.32 8.32 4.33 2.38 0.91 0.16 0.00 10.24 10.24 4.75 2.12 1.71 0.17	$\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}\\ \begin{array}{c} 3.84\\ 2.23\\ 0.10\\ 0.00\\ 0.00\\ 0.00\\ 9.62\\ 9.62\\ \end{array}\\ \begin{array}{c} 3.03\\ 1.50\\ 0.21\\ 0.00\\ \end{array}$	4.48 1.32 3.33 0.18 0.18 0.18 7.01 7.01 7.01 3.46 2.41 0.37 0.01 0.00 9.16 9.16 3.72 2.49 0.77 0.16	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ \hline\end{array}$
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch Kast30 Min Nest30 Min WestRegulation EastRegulation WestRegulation WestRTC Market10 Min Spin East10 Min Spin Kast30 Min WestRegulation KestRegulation WestRegulation West30 Min Non Synch Kest30 Min Non Synch West30 Min WestRegulation EastRegulation WestRegulation WestReal Time Market10 Min Spin Kest10 Min Spin West10 Min Spin West30 Min Non Synch West30 Min Non Synch West30 Min Non Synch West30 Min Kest30 Min Kest </td <td><math display="block">10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 1.25 \\ 2.31 \\ 0.02 \\ 0.00 \\ 0</math></td> <td><math display="block">10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 15.65 \\ 15.65 \\ 2.12 \\ 1.12 \\ 0.35 \\ 0.02 \\ 0.00 \\</math></td> <td>8.76 4.67 3.90 0.02 0.02 13.53 13.53 13.53 2.96 2.37 0.04 0.00 0.00 14.60 14.60 2.61 1.92 0.19 0.00</td> <td><math display="block">\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ 1.26\\ 0.13\\ 0.00\\ 0.00\\ 0.00\\ \end{array}</math></td> <td>9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.15 0.00 0.00 12.77 12.77 4.49 3.92 0.37 0.10 0.00</td> <td><math display="block">\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 6.52\\ 2.23\\ 4.38\\ 0.18\\ 0.24\\ \end{array}</math></td> <td><math display="block">\begin{array}{c} 7.18\\ 3.12\\ 4.10\\ 0.17\\ 0.17\\ 15.29\\ 15.29\\ 15.29\\ 15.29\\ 11.34\\ 6.33\\ 7.23\\ 2.51\\ 1.01\\ 1.00\\ 18.93\\ 18.93\\ 18.93\\ 12.08\\ 6.66\\ 8.52\\ 3.31\\ 3.22\\ \end{array}</math></td> <td><math display="block">\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ \hline 8.94\\ 3.27\\ 6.60\\ 1.44\\ 0.52\\ \end{array}</math></td> <td><math display="block">\begin{array}{c} 5.46\\ 2.62\\ 2.75\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 8.32\\ 8.32\\ \end{array}</math></td> <td><math display="block">\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}\\ \begin{array}{c} 3.84\\ 2.23\\ 0.10\\ 0.00\\ 0.00\\ 9.62\\ 9.62\\ \end{array}\\ \begin{array}{c} 3.03\\ 1.50\\ 0.21\\ 0.00\\ 0.00\\ 0.00\\ \end{array}</math></td> <td><math display="block">\begin{array}{c} 4.48\\ 1.32\\ 3.33\\ 0.18\\ 0.18\\ 0.18\\ 0.18\\ 7.01\\ 7.01\\ 7.01\\ 7.01\\ 0.01\\ 0.37\\ 0.01\\ 0.00\\ 9.16\\ 9.16\\ 9.16\\ 3.72\\ 2.49\\ 0.77\\ 0.16\\ 0.00\\ \end{array}</math></td> <td><math display="block">\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 7.85\\ \hline\end{array}</math></td>	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 1.25 \\ 2.31 \\ 0.02 \\ 0.00 \\ 0$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 15.65 \\ 15.65 \\ 2.12 \\ 1.12 \\ 0.35 \\ 0.02 \\ 0.00 \\$	8.76 4.67 3.90 0.02 0.02 13.53 13.53 13.53 2.96 2.37 0.04 0.00 0.00 14.60 14.60 2.61 1.92 0.19 0.00	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ 1.26\\ 0.13\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.15 0.00 0.00 12.77 12.77 4.49 3.92 0.37 0.10 0.00	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 6.52\\ 2.23\\ 4.38\\ 0.18\\ 0.24\\ \end{array}$	$\begin{array}{c} 7.18\\ 3.12\\ 4.10\\ 0.17\\ 0.17\\ 15.29\\ 15.29\\ 15.29\\ 15.29\\ 11.34\\ 6.33\\ 7.23\\ 2.51\\ 1.01\\ 1.00\\ 18.93\\ 18.93\\ 18.93\\ 12.08\\ 6.66\\ 8.52\\ 3.31\\ 3.22\\ \end{array}$	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ \hline 8.94\\ 3.27\\ 6.60\\ 1.44\\ 0.52\\ \end{array}$	$\begin{array}{c} 5.46\\ 2.62\\ 2.75\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 8.32\\ 8.32\\ \end{array}$	$\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}\\ \begin{array}{c} 3.84\\ 2.23\\ 0.10\\ 0.00\\ 0.00\\ 9.62\\ 9.62\\ \end{array}\\ \begin{array}{c} 3.03\\ 1.50\\ 0.21\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 4.48\\ 1.32\\ 3.33\\ 0.18\\ 0.18\\ 0.18\\ 0.18\\ 7.01\\ 7.01\\ 7.01\\ 7.01\\ 0.01\\ 0.37\\ 0.01\\ 0.00\\ 9.16\\ 9.16\\ 9.16\\ 3.72\\ 2.49\\ 0.77\\ 0.16\\ 0.00\\ \end{array}$	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 7.85\\ \hline\end{array}$
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch Kast30 Min Nest30 Min WestRegulation EastRegulation WestRTC Market10 Min Spin East10 Min Spin Kast10 Min Non Synch Kest30 Min WestRegulation WestRegulation West10 Min Spin Kest30 Min WestRegulation Kest30 Min WestRegulation East30 Min WestRegulation WestRegulation West10 Min Spin East10 Min Spin East10 Min Spin Kest10 Min Spin Kest10 Min Spin Kest10 Min Spin Kest10 Min Non Synch Kest30 Min Kest	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 18.91 \\ 1.25 \\ 2.31 \\ 0.02 \\ 0.00 \\ $	$\begin{array}{c} 10.66\\ 4.56\\ 5.48\\ 0.02\\ 0.02\\ 0.02\\ 16.33\\ 16.33\\ 16.33\\ 16.33\\ 16.33\\ 15.35\\ 0.25\\ 0.00\\ 0.00\\ 0.00\\ 15.65\\ 15.65\\ 15.65\\ 15.65\\ 15.65\\ 0.02\\ 0.02\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	8.76 4.67 3.90 0.02 0.02 13.53 13.53 13.53 2.96 2.37 0.04 0.00 0.00 14.60 14.60 14.60 2.61 1.92 0.19 0.00	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ 1.26\\ 0.13\\ 0.00$	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.15 0.00 12.77 12.77 4.49 3.92 0.37 0.10 0.00 0.00 0.00	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 1.8\\ 0.18\\ 0.18\\ 0.24\\ 0.18\\ \end{array}$	$\begin{array}{c} 7.18\\ 3.12\\ 4.10\\ 0.17\\ 0.17\\ 15.29\\ 15.29\\ 15.29\\ 15.29\\ 15.29\\ 11.34\\ 6.33\\ 7.23\\ 2.51\\ 1.01\\ 1.00\\ 18.93\\ 18.93\\ 18.93\\ 12.08\\ 6.66\\ 8.52\\ 3.31\\ 3.22\\ 2.47\\ \end{array}$	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ 14.03\\ \hline 8.94\\ 3.27\\ 6.60\\ 1.44\\ 0.52\\ 0.50\\ \end{array}$	5.46 2.62 2.75 0.15 0.15 0.15 8.32 4.33 2.38 0.91 0.16 0.00 0.00 10.24 10.24 10.24 4.75 2.12 1.71 0.17 0.00 0.00 0.00	$\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}\\ \begin{array}{c} 3.84\\ 2.23\\ 0.10\\ 0.00\\ 0.00\\ 9.62\\ 9.62\\ \end{array}\\ \begin{array}{c} 3.03\\ 1.50\\ 0.21\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 4.48\\ 1.32\\ 3.33\\ 0.18\\ 0.18\\ 0.18\\ 0.18\\ 7.01\\ 7.01\\ 7.01\\ 7.01\\ 0.01\\ 0.37\\ 0.01\\ 0.00\\ 0.00\\ 9.16\\ 9.16\\ 9.16\\ 9.16\\ 9.16\\ 0.77\\ 0.16\\ 0.00\\$	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ \hline\end{array}$
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch Kast30 Min Nest30 Min WestRegulation EastRegulation WestRegulation WestRTC Market10 Min Spin East10 Min Spin Kast30 Min WestRegulation KestRegulation WestRegulation West30 Min Non Synch Kest30 Min Non Synch West30 Min WestRegulation EastRegulation WestRegulation WestReal Time Market10 Min Spin Kest10 Min Spin West10 Min Spin West30 Min Non Synch West30 Min Non Synch West30 Min Non Synch West30 Min Kest30 Min Kest </td <td><math display="block">10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 1.25 \\ 2.31 \\ 0.02 \\ 0.00 \\ 0</math></td> <td><math display="block">10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 15.65 \\ 15.65 \\ 2.12 \\ 1.12 \\ 0.35 \\ 0.02 \\ 0.00 \\</math></td> <td>8.76 4.67 3.90 0.02 0.02 13.53 13.53 13.53 2.96 2.37 0.04 0.00 0.00 14.60 14.60 2.61 1.92 0.19 0.00</td> <td><math display="block">\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ 1.26\\ 0.13\\ 0.00\\ 0.00\\ 0.00\\ \end{array}</math></td> <td>9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.15 0.00 0.00 12.77 12.77 4.49 3.92 0.37 0.10 0.00</td> <td><math display="block">\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 6.52\\ 2.23\\ 4.38\\ 0.18\\ 0.24\\ \end{array}</math></td> <td><math display="block">\begin{array}{c} 7.18\\ 3.12\\ 4.10\\ 0.17\\ 0.17\\ 15.29\\ 15.29\\ 15.29\\ 15.29\\ 11.34\\ 6.33\\ 7.23\\ 2.51\\ 1.01\\ 1.00\\ 18.93\\ 18.93\\ 18.93\\ 12.08\\ 6.66\\ 8.52\\ 3.31\\ 3.22\\ \end{array}</math></td> <td><math display="block">\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ \hline 8.94\\ 3.27\\ 6.60\\ 1.44\\ 0.52\\ \end{array}</math></td> <td><math display="block">\begin{array}{c} 5.46\\ 2.62\\ 2.75\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 8.32\\ 8.32\\ \end{array}</math></td> <td><math display="block">\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}\\ \begin{array}{c} 3.84\\ 2.23\\ 0.10\\ 0.00\\ 0.00\\ 9.62\\ 9.62\\ \end{array}\\ \begin{array}{c} 3.03\\ 1.50\\ 0.21\\ 0.00\\ 0.00\\ 0.00\\ \end{array}</math></td> <td><math display="block">\begin{array}{c} 4.48\\ 1.32\\ 3.33\\ 0.18\\ 0.18\\ 0.18\\ 0.18\\ 7.01\\ 7.01\\ 7.01\\ 7.01\\ 0.01\\ 0.37\\ 0.01\\ 0.00\\ 9.16\\ 9.16\\ 9.16\\ 3.72\\ 2.49\\ 0.77\\ 0.16\\ 0.00\\ \end{array}</math></td> <td><math display="block">\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 7.85\\ 7.85\\ 0.09\\ 0.00\\ 0.00\\ 0.00\\ 10.18\\ 10.18\\ 10.18\\ 10.18\\ 2.24\\ 1.86\\ 0.15\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}</math></td>	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 1.25 \\ 2.31 \\ 0.02 \\ 0.00 \\ 0$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 15.65 \\ 15.65 \\ 2.12 \\ 1.12 \\ 0.35 \\ 0.02 \\ 0.00 \\$	8.76 4.67 3.90 0.02 0.02 13.53 13.53 13.53 2.96 2.37 0.04 0.00 0.00 14.60 14.60 2.61 1.92 0.19 0.00	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ 1.26\\ 0.13\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.15 0.00 0.00 12.77 12.77 4.49 3.92 0.37 0.10 0.00	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 6.52\\ 2.23\\ 4.38\\ 0.18\\ 0.24\\ \end{array}$	$\begin{array}{c} 7.18\\ 3.12\\ 4.10\\ 0.17\\ 0.17\\ 15.29\\ 15.29\\ 15.29\\ 15.29\\ 11.34\\ 6.33\\ 7.23\\ 2.51\\ 1.01\\ 1.00\\ 18.93\\ 18.93\\ 18.93\\ 12.08\\ 6.66\\ 8.52\\ 3.31\\ 3.22\\ \end{array}$	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ \hline 8.94\\ 3.27\\ 6.60\\ 1.44\\ 0.52\\ \end{array}$	$\begin{array}{c} 5.46\\ 2.62\\ 2.75\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 8.32\\ 8.32\\ \end{array}$	$\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}\\ \begin{array}{c} 3.84\\ 2.23\\ 0.10\\ 0.00\\ 0.00\\ 9.62\\ 9.62\\ \end{array}\\ \begin{array}{c} 3.03\\ 1.50\\ 0.21\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 4.48\\ 1.32\\ 3.33\\ 0.18\\ 0.18\\ 0.18\\ 0.18\\ 7.01\\ 7.01\\ 7.01\\ 7.01\\ 0.01\\ 0.37\\ 0.01\\ 0.00\\ 9.16\\ 9.16\\ 9.16\\ 3.72\\ 2.49\\ 0.77\\ 0.16\\ 0.00\\ \end{array}$	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 7.85\\ 7.85\\ 0.09\\ 0.00\\ 0.00\\ 0.00\\ 10.18\\ 10.18\\ 10.18\\ 10.18\\ 2.24\\ 1.86\\ 0.15\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$

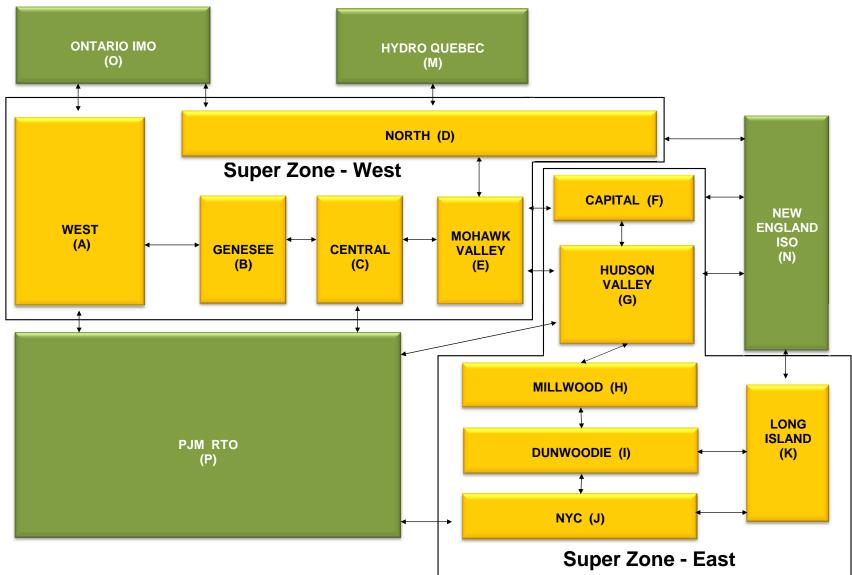








# NYISO LBMP ZONES



#### 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

## Summary Description of Upcoming Regulatory Compliance Filings, FERC Rulemakings, and Recent Submitted Filings and Issued Orders on NYISO Matters

## **Upcoming Compliance Filings**

Filing Due Date	Upcoming Compliance Filings (Description)	Docket Number	Comments
10/22/2012	NYISO/PJM Compliance filing re: apply JOA provisions whenever any of the MI/Ontario PARs are in service	ER12-718-001	9/20/12 order directing NYISO/PJM to submit additional compliance filing (w/in 30 days) to modify section 7.1.12 of the JOA to apply when any of the MI/Ontario PARs are in service
11/13/2012	NYISO compliance filing re: revised Buyer Side Mitigation (BSM) Rules determination for the HTP Project to comply with FERC 6/22/12 order	EL11-42-000	On 9/25/12, FERC issued a notice granting an extension until 11/13/12 to issue a revised BSM Rules determination for the HTP Project and for the concurrent posting of a notice to stakeholders of the redetermination and for the NYISO's independent Market Monitor Unit's report
12/20/2012	NYISO annual compliance filing re: report on new generation projects	ER01-3001, ER03-647	Filing is comprised of 3 separate reports: (a) a Capacity market and withholding report; (b) a New generation projects report, and (c) a Demand Curve report

#### **Recently Received Orders**

Filing Date	Filing Summary (Order issued)	Docket Number	Order Date	Order Summary
07/19/2012	NYISO 205 filing re: Amendments to Attachment L of NYISO OATT to Reflect Revisions to Existing Transmission Agreement ("ETAs")	ER12-2272-000	09/10/2012	FERC letter order accepting revisions effective 9/17/12, as requested
08/13/2012	NYISO filing of Services Tariff revisions related to ICAP credit requirements	ER12-2443-000	09/10/2012	FERC letter order accepting revisions effective 10/17/12, as requested
09/12/2012	NYISO filing of a request for extension of time to submit an answer to an 8/3/12 HTP complaint	EL12-98-000	09/13/2012	FERC notice granting extension until 9/14/12
05/01/2012	NYISO/PJM joint compliance filing re: Market to Market coordination	ER12-718-001	09/20/2012	FERC order accepting M2M JOA compliance revisions subject to additional compliance re: MI/Ontario PARs
07/27/2012	NYISO filing on behalf of NYPA: NYPA Revised Transmission Revenue Requirement	ER12-2317-000	09/25/2012	FERC order accepting NYPA proposed transmission revenue requirement and establishing hearing/settlement judge procedures and accepting NYISO tariff revisions

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09/12/2012	NYISO filing of a request for extension of time to issue a revised BSM Rules determination for the HTP Project	EL11-42-000	09/25/2012	FERC notice granting extension until 9/14/12
06/25/2012	NYISO filing of a request for rehearing of 5/24/12 order re: Ravenswood's black start rate schedule	ER12-1418-000 and 001	09/25/2012	FERC order scheduling settlement conference for 11/01/12
07/25/2012	NYISO 205 filing re: Amendments to OATT Attachment Y and MST to Improve Clarity and Consistency of Tariff language and terminology	ER12-2303-000	09/28/2012	FERC letter order accepting revisions effective 9/24/12, as requested
09/06/2012	NYISO filing of amendment errata to 7/25 Attachment Y Cleanup filing	ER12-2303-001	09/28/2012	FERC letter order accepting revisions effective 9/24/12, as requested
08/06/2012	NYISO filing of an SGIA among the NYISO, NYSEG, and Broome Energy Resources	ER12-2410-000	10/01/2012	FERC letter order accepting SGIA effective 7/26/12, as requested
05/24/2012	NYISO filing of an Answer to the Linden VFT May 4, 2012 Complaint	EL12-64-000	10/01/2012	FERC order accepting complaint
08/20/2012	NYISO filing of OATT revisions in compliance with Order No. 760	ER12-2481-000	10/03/2012	FERC letter order accepting filing effective 3/4/13
07/12/2012	NYISO tariff filing to notify FERC of revised implementation date (6/27/12) for 15 minute variable scheduling at PJM Keystone proxy generator bus	ER11-2547-006	10/10/2012	FERC letter order accepting compliance filing effective 6/27/12, as requested

# **Recently Submitted Filings**

Filing		Docket
Date	Filing Summary	Number
09/21/2012	NYISO answer re: Beacon Power's comments and protest filed on September 7, 2012	ER12-1653-000
09/21/2012	NYISO filing on behalf of the ISO RTO Council re: Order No. 745 compliance report "Options for Implementing a Dynamic Net Benefits Test Based on the Billing Unit Effect"	RM10-17-000
09/21/2012	NYISO filing re: Order No. 745 compliance report "Options for Implementing a Dynamic Net Benefits Test Based on the Billing Unit Effect"	RM10-17-000
10/09/2012	NYISO compliance filing re: establishment of 10/24/12 as the effective date of LTFTR tariff revisions	ER12-1868-001
10/09/2012	NYISO motion to answer NRG's limited protest of the NYISO's proposed restoration services tariff revisions	ER12-2568-000
10/10/2012	NYISO filing of a request for rehearing, expedited clarification, shortened notice and comment period re: 9/10/12 Order on Ravenswood complaint v. NYISO concerning buyer side mitigation rules	EL11-50-001
10/11/2012	NYISO and NYTO filing re: transmission planning tariff revisions in compliance with Order No. 1000	ER13-102-000
10/12/2012	NYISO errata to correct ministerial error and request for waiver of public notice requirement filed on 11/7/11 filing re: MST section 5.14	ER11-360-002, ER04-449- 023
10/12/2012	NYISO errata to correct ministerial error and request for waiver of public notice requirement filed on 8/6/12 re: MST section 5.14	ER12-2414-002
10/12/2012	NYISO one time compliance filing re: announcement of 15-minute scheduling at the Neptune Proxy Bus	ER11-2547-007
10/12/2012	NYISO filing/motion to defer effective date of previously accepted tariff revision and requested for waiver on ICAP	ER13-117-000

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	credit requirement filing	
10/16/2012	NYISO initial briefs re: MISO and ITC's joint application on MI/ON PARs issue	ER11-1844-002
10/19/2012	NYISO, NiMo and Allegany Wind LLC Joint 205 Filing of a Large Generator Interconnection Agreement # 1916	ER13-160-000
10/19/2012	NYISO compliance report to NY PSC re: verified report of closing costs and credit facility draws	PSC Case 12-E-0168
10/19/2012	NYISO petition to DC Court of Appeals re: FERC order on TC Ravenswood issue	
10/22/2012	NYISO filing of MST revisions re: eligibility criteria for units in the Minimum Oil Burn program	ER13-166-000
10/22/2012	Joint NYISO and PJM Market to Market compliance filing re: Michigan Ontario PARs	ER12-718-002