

# **NYISO CEO/COO Report**

Management Committee Meeting March 28, 2012

Agenda #3

# **Report Items**

# CEO Report

- Infrastructure Master Plan
- CARIS 1 Report

# COO Report

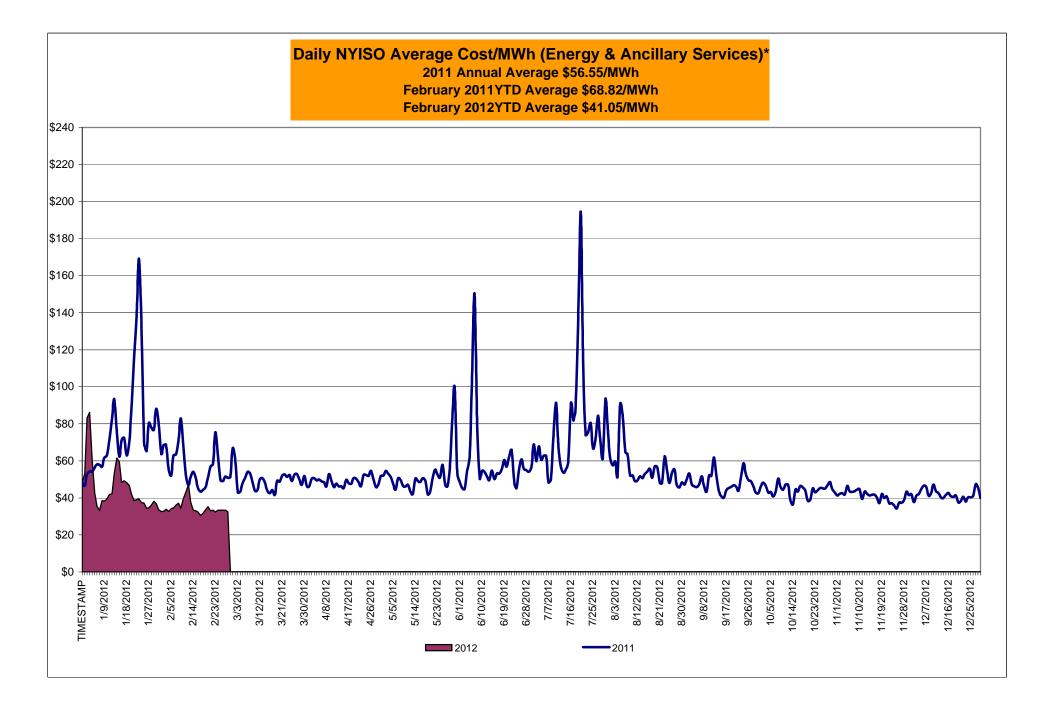
- Market Performance Highlights For Information Only
- Operations Performance Metrics Monthly Report

# Market Performance Highlights for February 2012

- LBMP for February is \$32.44/MWh, down from \$44.00/MWh in January 2012.
  - Day Ahead and Real Time Load Weighted LBMPs are down compared to January 2012.
- Average monthly year-to-date cost of \$41.05/MWh, a decrease from the previous month, \$46.67/MWh.
- Average daily sendout is 431 GWh/day in February; down from 443 GWh/day in January 2012 and lower than 447 GWh/day in February 2011.
- Natural gas is down while distillate prices are up compared to the previous month.
  - Natural Gas is \$3.15/MMBtu, down from \$5.09/MMBtu in January.
  - Kerosene is \$24.43/MMBtu, up from \$23.46/MMBtu in January.
  - No. 2 Fuel Oil is \$22.75/MMBtu, up from \$21.62/MMBtu in January.
  - No. 6 Fuel Oil is \$19.86/MMBtu, up from \$18.61/MMBtu in January.
- Uplift per MWh is lower compared to the previous month.
  - Uplift (not including NYISO cost of operations) is \$0.13/MWh, lower than \$0.36/MWh in January.
    - The TSA Share is \$0.00/MWh
    - The Local Reliability Share is \$0.04/MWh
    - The Other Share is \$0.09/MWh
  - Total uplift (Schedule 1 components including NYISO Cost of Operations) is lower compared to January.

3/8/2012

Market Mitigation and Analysis



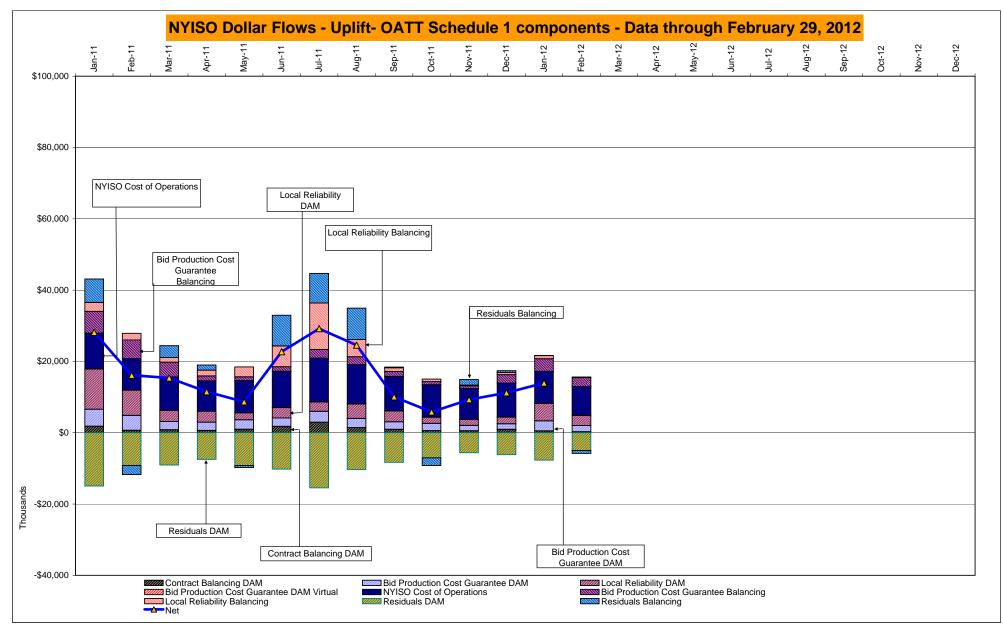
\* Excludes ICAP payments.

Market Mitigation and Analysis Prepared: 3/6/2012 9:50 AM

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

2012	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
LBMP	44.00	32.44										
NTAC	0.85	0.80										
Reserve	0.35	0.25										
Regulation	0.10	0.08										
NYISO Cost of Operations	0.64	0.64										
Uplift	0.36	0.13										
Uplift: TSA Share	-	-										
Uplift: Local Reliability Share	0.15	0.04										
Uplift: Other Share	0.21	0.09										
Voltage Support and Black Start	0.37	0.37										
Avg Monthly Cost	46.67	34.72										
Avg YTD Cost	46.67	41.05										
Avg FTD Cost	40.07	41.05										
2011	January	February	March	April	May	<u>June</u>	July	August	September	October	November	December
LBMP	74.91	55.60	46.98	46.44	48.49	60.33	75.76	56.04	46.86	42.48	38.97	39.73
NTAC	0.62	0.75	0.86	0.81	1.13	1.22	0.66	0.60	0.43	0.56	0.62	0.69
Reserve	0.44	0.50	0.41	0.43	0.48	0.28	0.28	0.13	0.25	0.41	0.26	0.28
Regualtion	0.20	0.18	0.15	0.12	0.10	0.15	0.12	0.09	0.08	0.09	0.08	0.09
NYISO Cost of Operations	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
1.1.26			0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Uplift	1.26	0.58	0.45	0.25	(0.02)	0.70	1.01	0.89	0.03	(0.27)	0.70	0.12
Uplift Uplift: TSA Share	1.26 -											
•		0.58	0.45	0.25	(0.02)	0.94	1.01	0.89	0.03		0.05	
Uplift: TSA Share	-	0.58	0.45	<b>0.25</b> 0.01	(0.02)	<b>0.94</b> 0.30	<b>1.01</b> 0.08	<b>0.89</b> 0.28	<b>0.03</b> 0.00	(0.27)	0.05	0.12
Uplift: TSA Share Uplift: Local Reliability Share	- 0.62	0.58	<b>0.45</b> 0.13	<b>0.25</b> 0.01 0.10	(0.02) (0.01)	<b>0.94</b> 0.30 0.36	<b>1.01</b> 0.08 0.54	0.89 0.28 0.32	<b>0.03</b> 0.00 0.01	(0.27) (0.15)	0.05	0.12
Uplift: TSA Share Uplift: Local Reliability Share Uplift: Other Share	- 0.62 0.65	0.58 - 0.32 0.26	0.45 - 0.13 0.32	<b>0.25</b> 0.01 0.10 0.14	(0.02) (0.01) (0.01)	0.94 0.30 0.36 0.28	<b>1.01</b> 0.08 0.54 0.39	0.89 0.28 0.32 0.29	0.03 0.00 0.01 0.01	(0.27) (0.15) (0.11)	0.05 - 0.01 0.04	0.12 0.03 0.10

\* Excludes ICAP payments.



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

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

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

				<u>N`</u>	ISO Mark	kets Trans	sactions					
2012	January	February	March	April	May	June	<u>July</u>	August	September	October	November	December
Dav Ahead Market MWh	14,877,279	13,473,786										
DAM LSE Internal LBMP Energy Sales	58%	57%										
DAM External TC LBMP Energy Sales	1%	1%										
DAM Bilateral - Internal Bilaterals	38%	40%										
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%										
DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%	2%										
DAM Bilateral - Wheel Through Bilaterals	1%	0%										
Balancing Energy Market MWh	-878,258	-814,169										
Balancing Energy LSE Internal LBMP Energy Sales	-110%	-111%										
Balancing Energy External TC LBMP Energy Sales	9%	7%										
Balancing Energy Bilateral - Internal Bilaterals	1%	1%										
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%										
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	4%	3%										
Balancing Energy Bilateral - Wheel Through Bilaterals	-3%	0%										
Transactions Summary												
LBMP	57%	56%										
Internal Bilaterals	41%	42%										
Import Bilaterals	0%	0%										
Export Bilaterals	2%	2%										
Wheels Through	1%	0%										
Market Share of Total Load												
Day Ahead Market	106.3%	106.4%										
Balancing Energy +	-6.3%	-6.4%										
Total MWH	13,999,021	12,659,617										
Average Daily Energy Sendout/Month GWh	443	431										
2011	January	February	March	April	May	June	July	August	September	October	November	December
Day Ahead Market MWh			13,164,026	12,191,562					14,052,940	13,263,167	12,710,654	

2011	January	February	March	April	May	June	July	August	September	October	November	December
Day Ahead Market MWh	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
DAM LSE Internal LBMP Energy Sales	49%	54%	53%	55%	55%	57%	60%	62%	59%	54%	55%	59%
DAM External TC LBMP Energy Sales	1%	1%	2%	2%	1%	1%	2%	1%	1%	4%	2%	1%
DAM Bilateral - Internal Bilaterals	42%	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%
DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%	1%	2%	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	250,346	35,939	192,443	44,238	221,521	-31,814	-204,604	-204,312	-281,379	-688,007
Balancing Energy LSE Internal LBMP Energy Sales	28%	24%	39%	-226%	40%	-141%	29%	-372%	-147%	-181%	-129%	-115%
Balancing Energy External TC LBMP Energy Sales	48%	50%	50%	197%	39%	271%	77%	328%	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%
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	6%	14%	13%	83%	10%	32%	6%	39%	8%	10%	10%	4%
Balancing Energy Bilateral - Wheel Through Bilaterals	3%	5%	-10%	-1%	-2%	-100%	-12%	-94%	-18%	1%	-2%	-2%
Transactions Summary												
LBMP	51%	55%	55%	57%	57%	59%	63%	63%	59%	56%	56%	58%
Internal Bilaterals	42%	42%	42%	41%	41%	39%	36%	36%	39%	42%	42%	39%
Import Bilaterals	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Export Bilaterals	2%	2%	2%	2%	2%	1%	1%	1%	1%	2%	2%	2%
Wheels Through	1%	1%	1%	0%	1%	1%	1%	1%	0%	0%	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%
Balancing Energy +	2.2%	1.7%	1.9%	0.3%	1.5%	0.3%	1.3%	-0.2%	-1.5%	-1.6%	-2.3%	-5.1%
Total MWH	14,458,279	12,724,575	13,414,372	12,227,501	13,001,683	14,564,728	17,517,888	15,840,323	13,848,336	13,058,855	12,429,275	13,612,546
Average Daily Energy Sendout/Month GWh	457	447	422	398	411	479	555	505	456	403	408	430
<ul> <li>Balancing Energy: Load(MW) purchased at Real Time LBMP.</li> </ul>									Notes: Perc	ent totals may n	ot equal 100% d	ue to rounding.

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

Market Mitigation and Analysis Prepared: 3/6/2012 10:57 AM Virtual Transactions are not reflected in this chart.

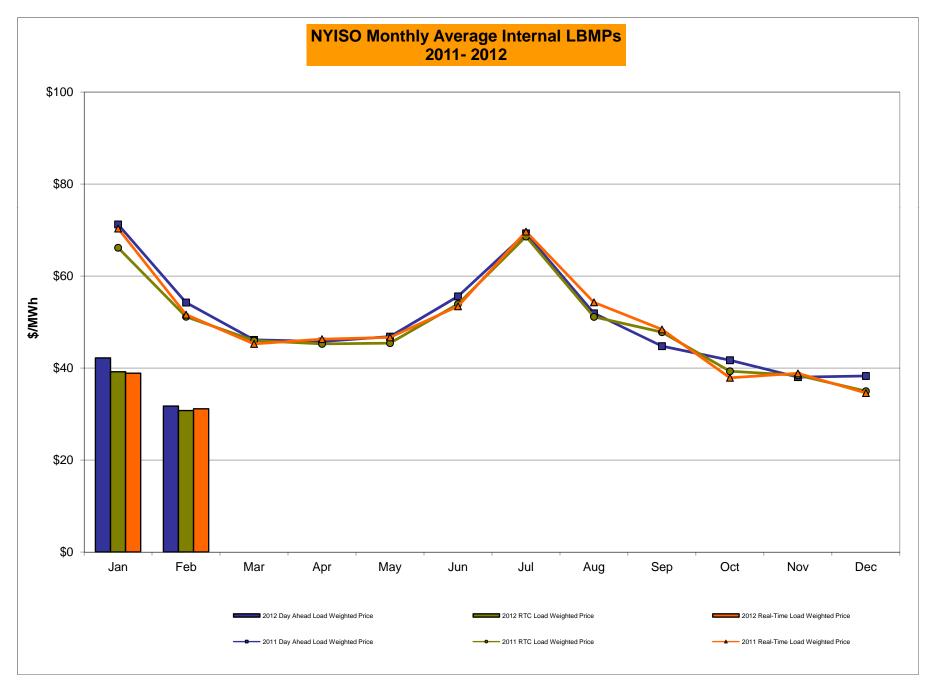
#### NYISO Markets 2012 Energy Statistics

	January	February	March	<u>April</u>	May	<u>June</u>	July	August September	October November December
DAY AHEAD LBMP		<u>_</u>							
Price *	\$40.91	\$31.15							
Standard Deviation	\$15.62	\$6.23							
Load Weighted Price **	\$42.20	\$31.73							
RTC LBMP									
Price *	\$37.93	\$30.31							
Standard Deviation	\$23.43	\$7.26							
Load Weighted Price **	\$39.19	\$30.75							
<u>REAL TIME LBMP</u>									
Price *	\$37.35	\$30.54							
Standard Deviation	\$23.75	\$9.77							
Load Weighted Price **	\$38.88	\$31.14							
Average Daily Energy Sendout/Month GWh	443	431							

#### NYISO Markets 2011 Energy Statistics

	<u>January</u>	<b>February</b>	March	<u>April</u>	May	June	July	August S	<u>September</u>	<u>October</u>	November [	December
DAY AHEAD LBMP	<b>.</b>	<b>^</b>	<b>A</b> / <b>- - - -</b>	<b>•</b> • • • • •	<b>•</b> · <b>-</b> • •	<b>^</b>	• • • • • •	<b>•</b> · • <b>-</b> •	<b>•</b> · • • • •	• • • • • •	<b>A A B A A</b>	<b>•</b>
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
REAL TIME LBMP												
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.



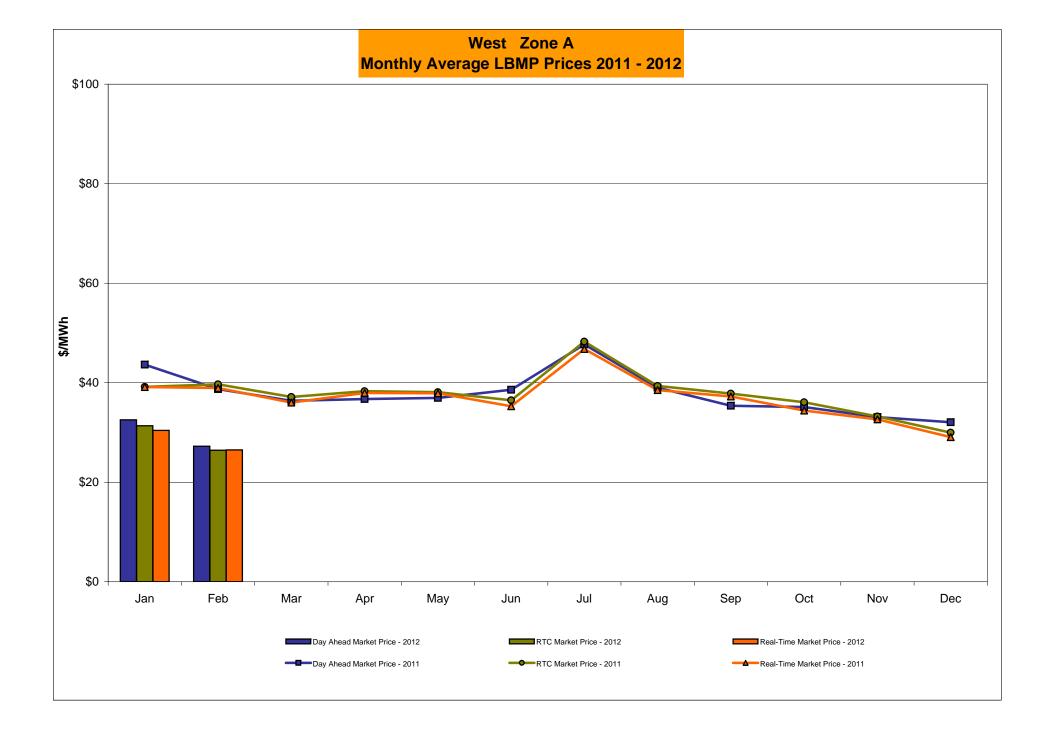
Market Mitigation and Analysis Prepared: 3/6/2012 10:58 AM

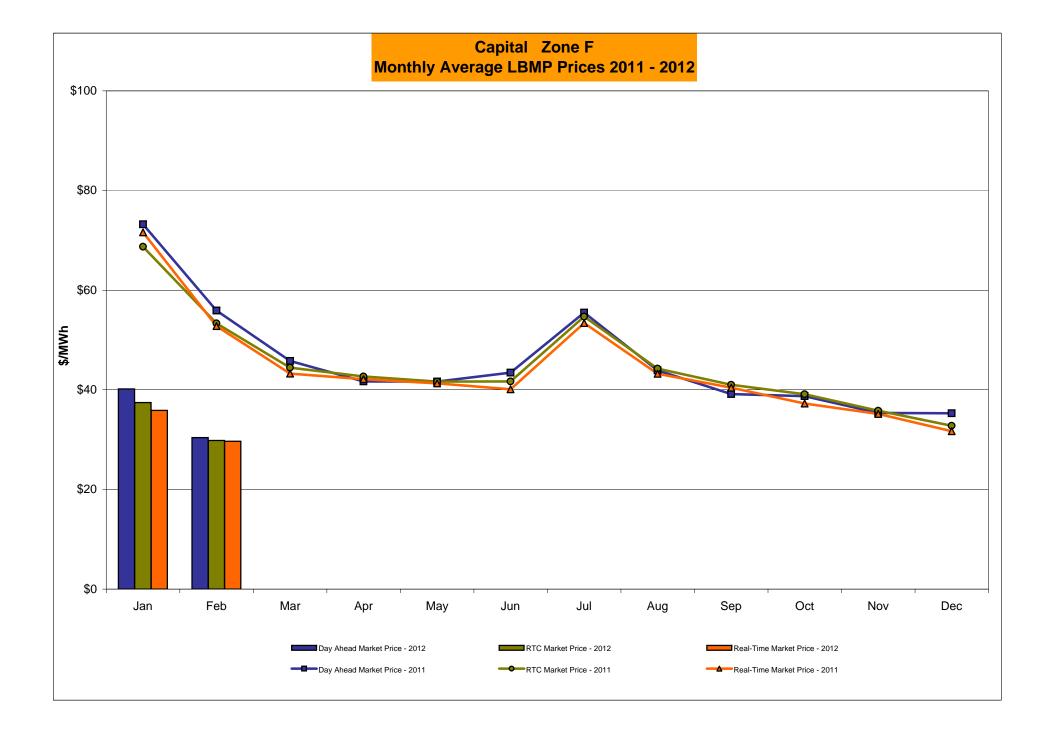
#### February 2012 Zonal LBMP Statistics for NYISO (\$/MWh)

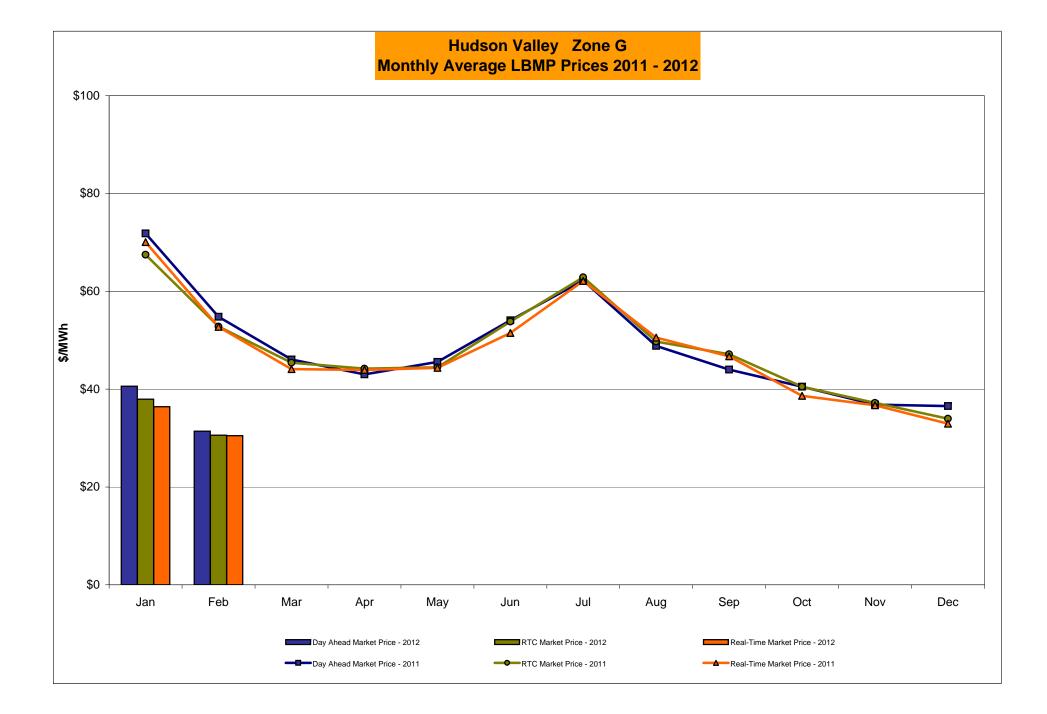
	WEST <u>Zone A</u>	GENESEE Zone B	NORTH <u>Zone D</u>	CENTRAL Zone C	MOHAWK VALLEY <u>Zone E</u>	CAPITAL Zone F	HUDSON VALLEY <u>Zone G</u>	MILLWOOD Zone H	DUNWOODIE <u>Zone I</u>	NEW YORK CITY <u>Zone J</u>	LONG ISLAND <u>Zone K</u>
DAY AHEAD LBMP	07.05	07.00	07.75	00.45	00.00	00.40	04.40	04.05	04.05	00.40	04.07
Unweighted Price *	27.25	27.86	27.75	28.45	29.28	30.42	31.40	31.35	31.35	33.12	34.87
Standard Deviation	4.07	4.30	4.17	4.51	4.79	6.33	6.19	6.24	6.23	7.68	8.74
RTC LBMP											
Unweighted Price *	26.44	27.22	26.93	27.86	28.66	29.82	30.58	30.50	30.48	32.04	34.22
Standard Deviation	5.73	6.03	5.96	6.22	6.46	6.90	6.97	6.99	6.97	9.92	15.17
REAL TIME LBMP											
Unweighted Price *	26.48	27.25	26.93	27.88	28.66	29.68	30.48	30.40	30.38	32.11	36.21
Standard Deviation	7.70	8.03	7.89	8.25	8.55	8.82	9.09	9.11	9.09	12.19	28.09

	ONTARIO IESO	HYDRO QUEBEC (Wheel)	HYDRO QUEBEC (Import/Export)	PJM	NEW ENGLAND	CABLE	NORTHPORT- NORWALK	NEPTUNE		Dennison
	Zone O	Zone M	Zone M	Zone P	Zone N	Controllable Line	<u>Controllable</u> Line	Controllable Line	Controllable Line	<u>Controllable</u> Line
DAY AHEAD LBMP	<u></u>					<u></u>				
Unweighted Price *	26.80	27.71	27.00	29.70	30.68	33.73	32.92	33.23	30.39	27.40
Standard Deviation	3.85	4.13	3.47	5.29	6.19	7.83	7.36	7.65	5.17	3.94
RTC LBMP										
Unweighted Price *	25.59	26.44	26.13	28.44	29.49	31.57	31.05	31.43	30.56	26.28
Standard Deviation	3.64	3.98	4.31	4.25	4.83	10.50	10.27	10.44	12.23	3.94
REAL TIME LBMP										
Unweighted Price *	26.25	26.98	26.54	29.04	30.07	34.04	32.46	33.87	29.42	26.84
Standard Deviation	7.52	7.90	7.38	8.48	8.90	26.88	24.02	26.89	40.71	7.64

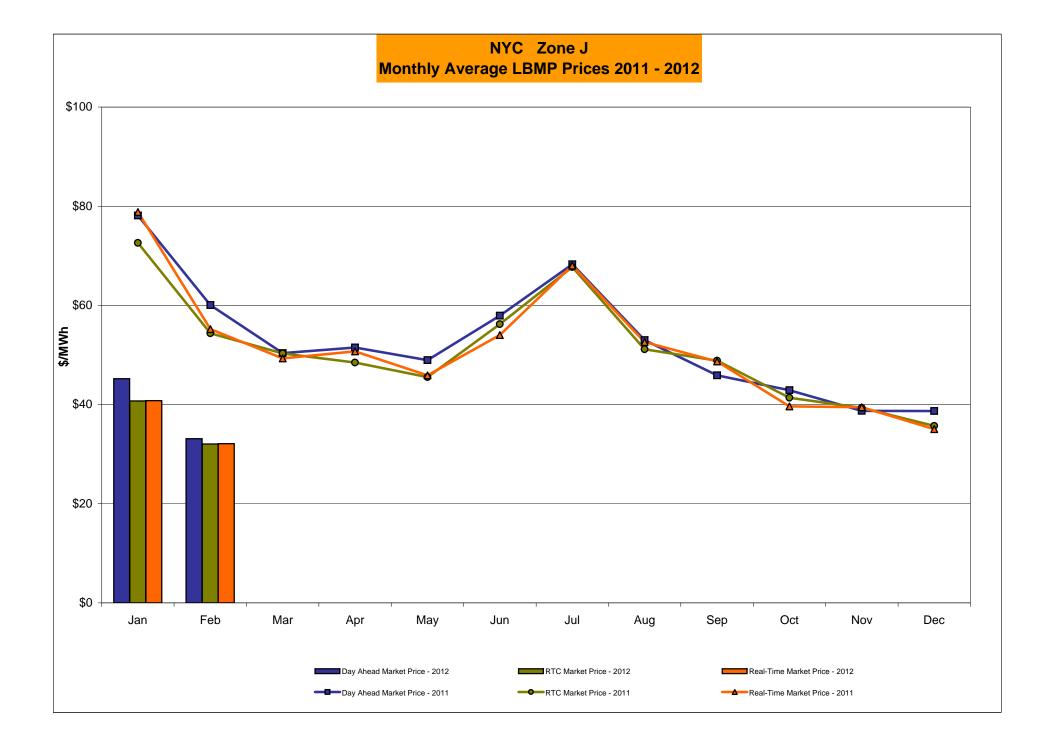
\* Straight LBMP averages

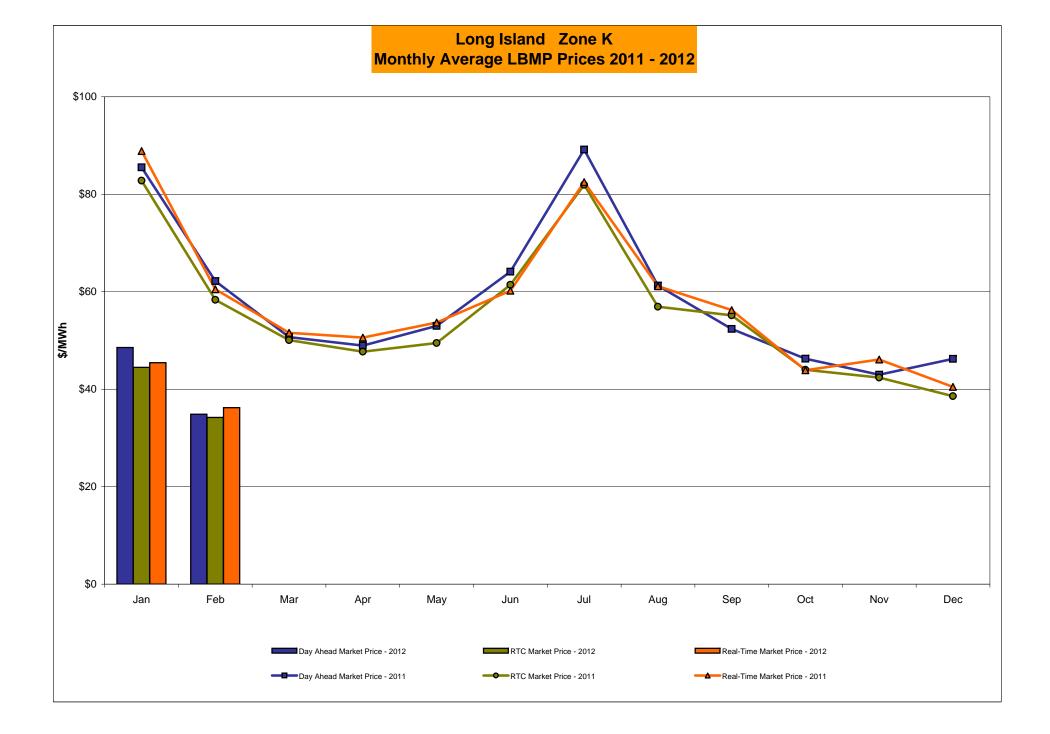


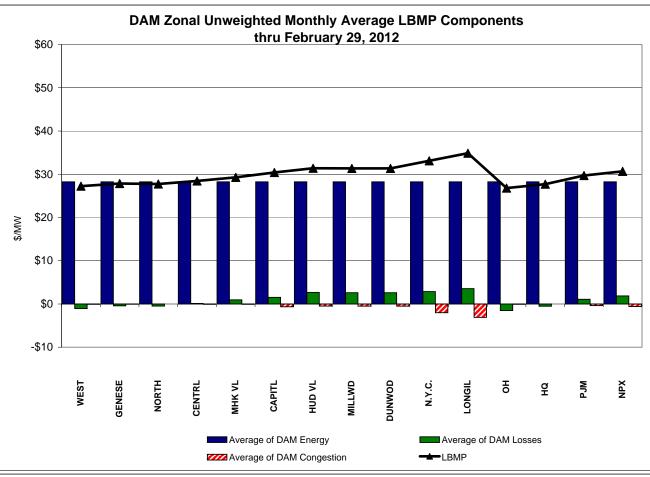


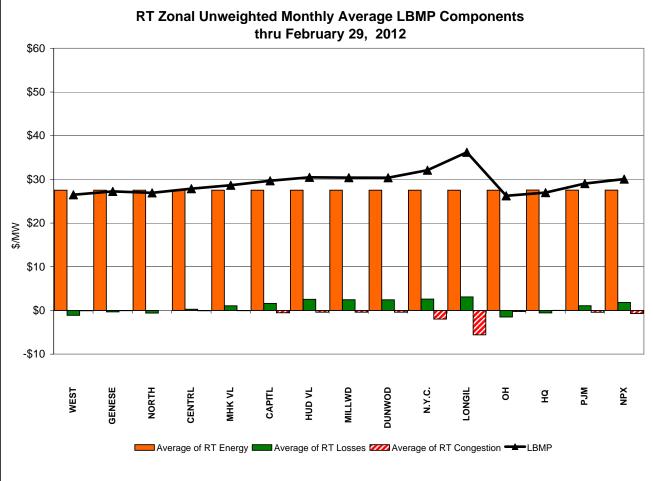


Market Mitigation and Analysis Prepared:3/5/2012 1:55 PM



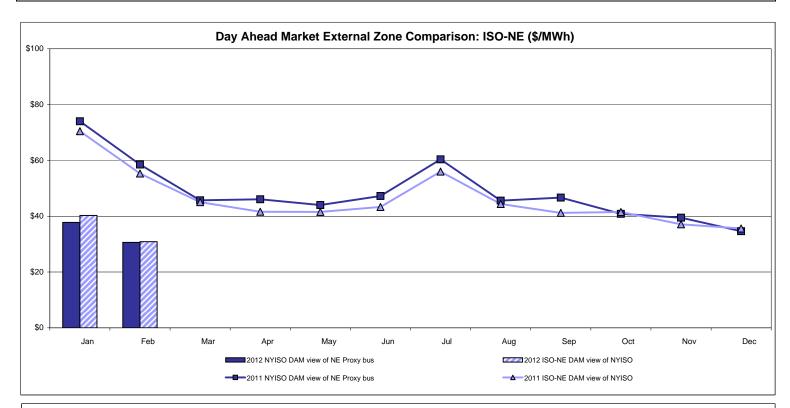


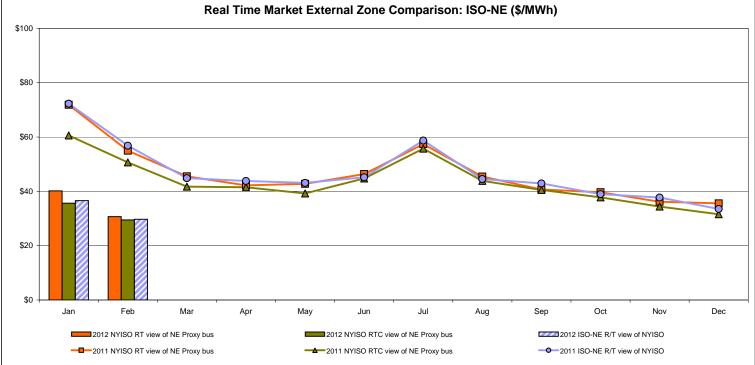




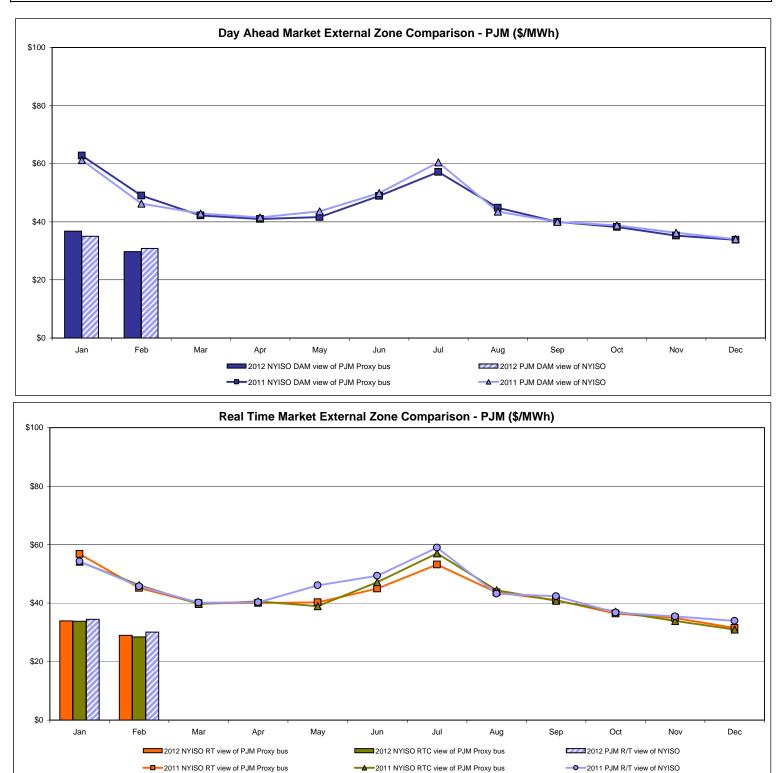
Market Mitigation and Analysis Prepared:3/5/2012 2:10 PM

# **External Comparison ISO-New England**

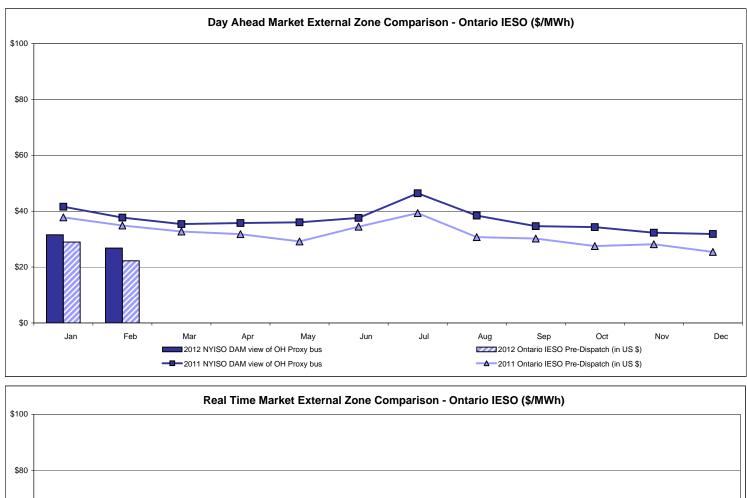


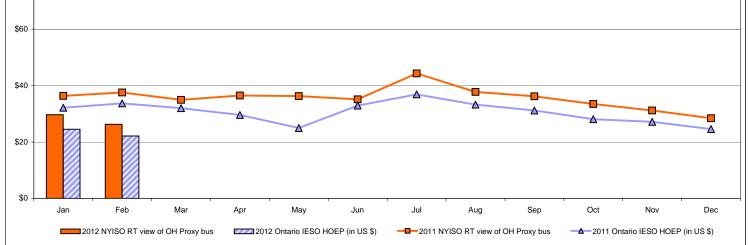


## **External Comparison PJM**

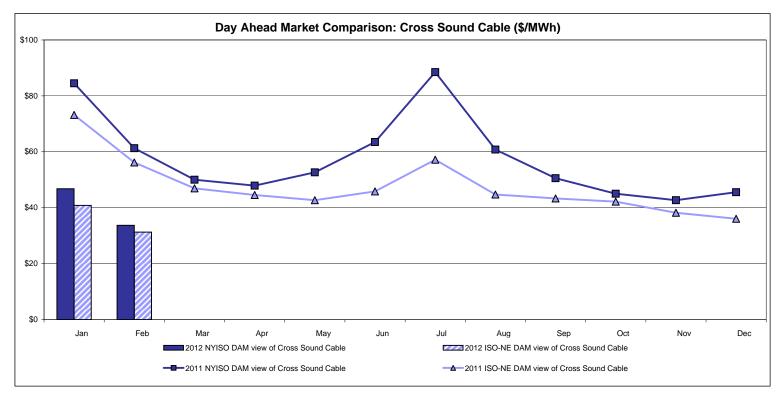


## **External Comparison Ontario IESO**

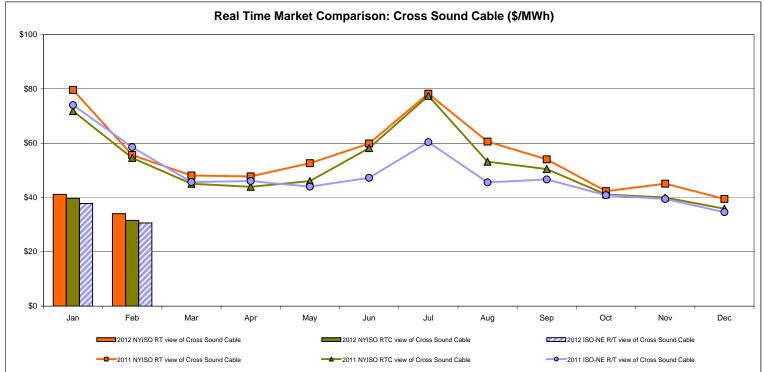




Notes: Exchange factor used for February 2012 was 1.00 to US \$ HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price



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

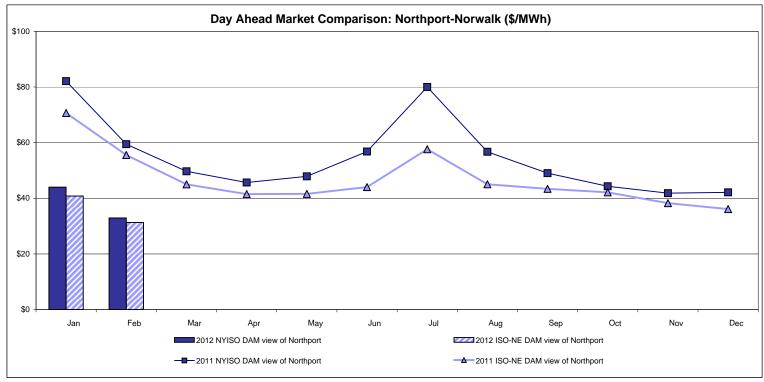


Note:

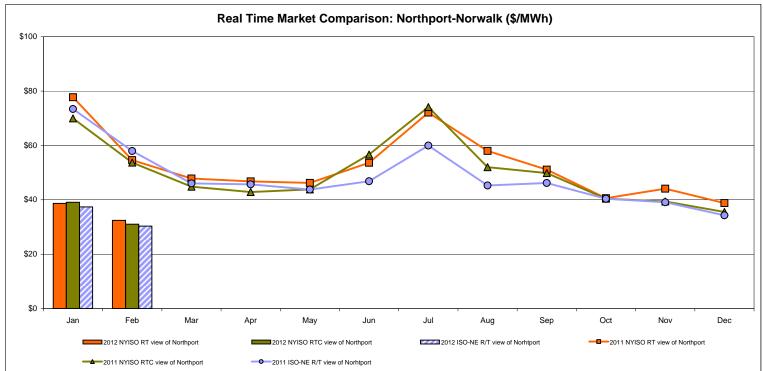
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)

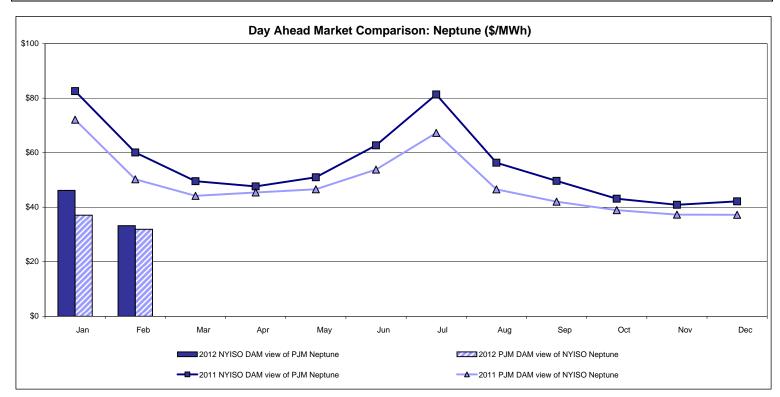


#### Note:

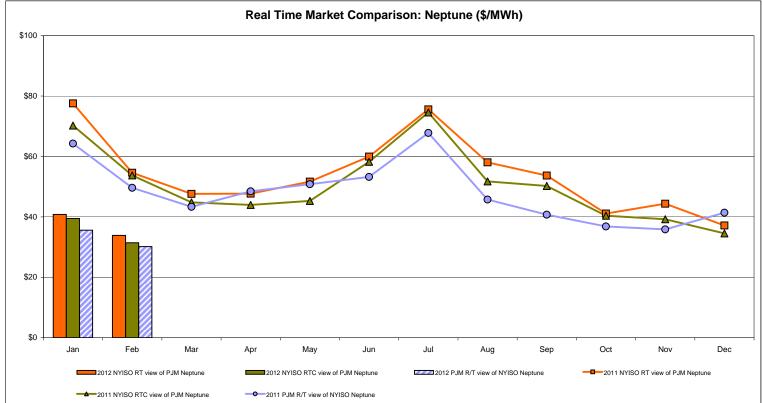
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

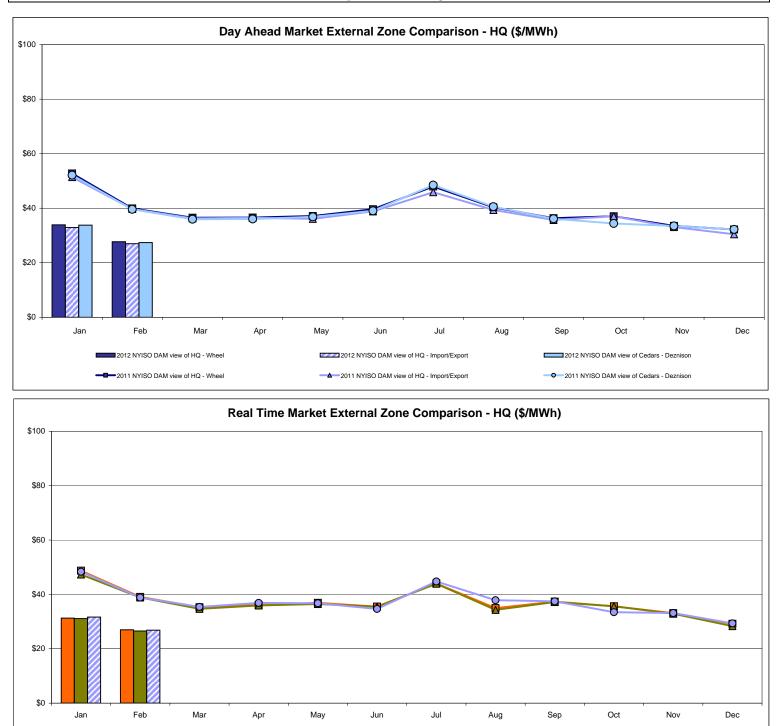
The DAM and R/T prices at the 1385 interface are used for NYISO.



# External Controllable Line: Neptune (PJM)



# **External Comparison Hydro-Quebec**



Note:

Hydro-Quebec Prices are unavailable.

•

2012 NYISO RT view of HQ - Wheel

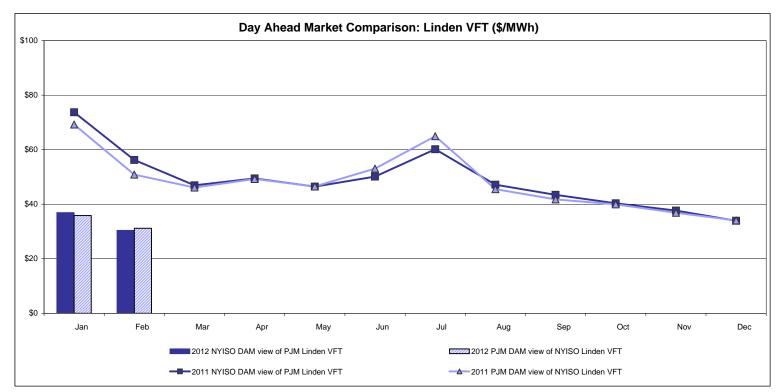
2011 NYISO RT view of HQ - Wheel

2012 NYISO RT view of HQ - Import/Export

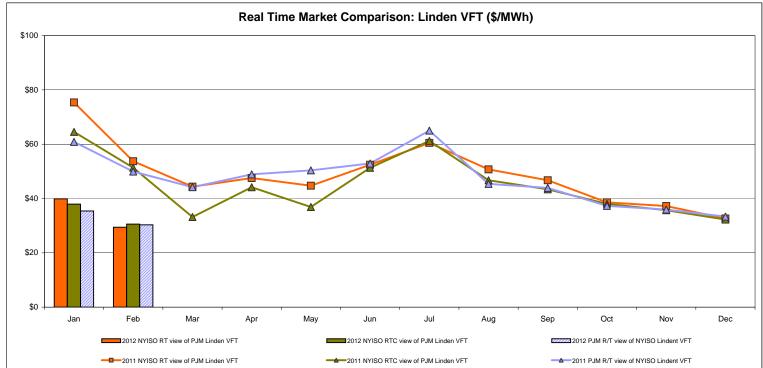
2011 NYISO RT view of HQ - Import/Export

2012 NYISO RT view of Cedars - Deznison

2011 NYISO RT view of Cedars - Deznison



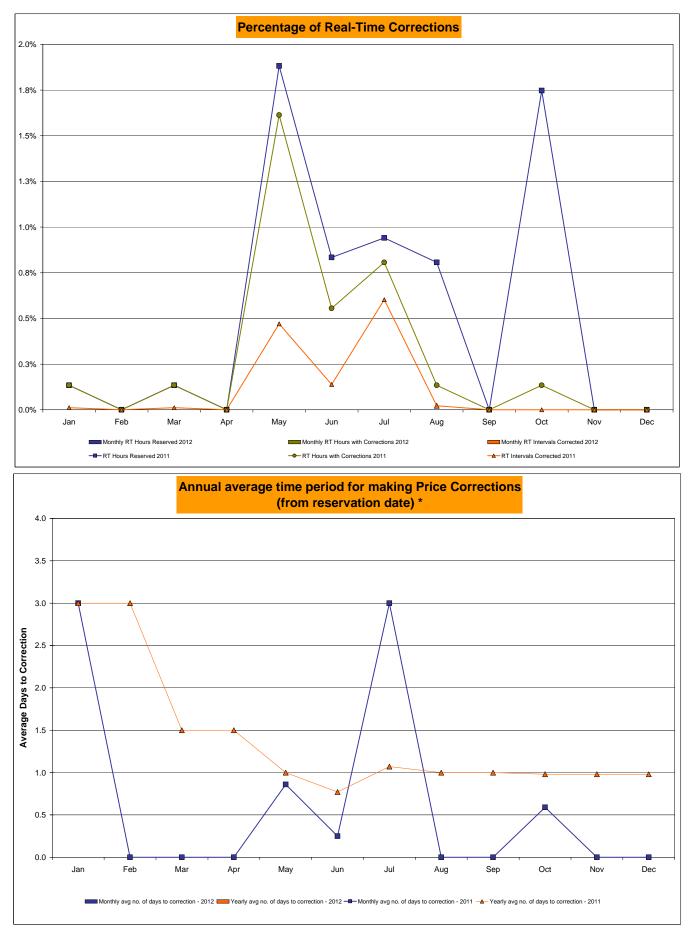
# External Controllable Line: Linden VFT (PJM)



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

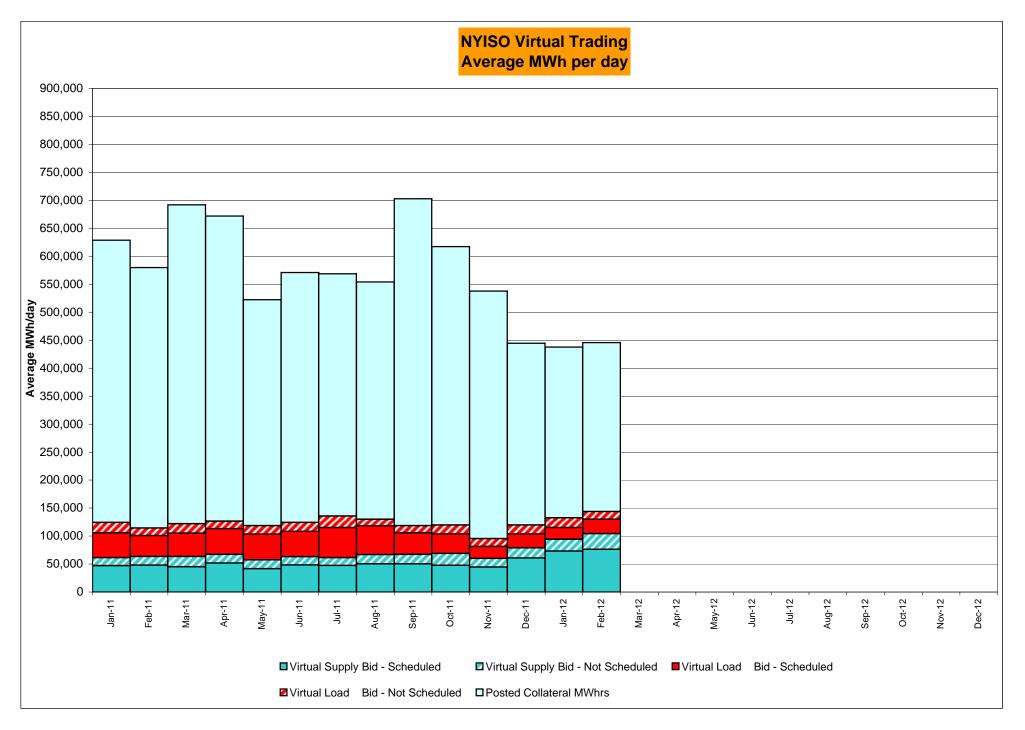
2012 Hour Corrections		<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
Number of hours with corrections	in the month	0	0										
Number of hours	in the month	744	696										
% of hours with corrections	in the month	0.00%	0.00%										
78 OF HOURS WIT COTTECTIONS		0.0078	0.0078										
% of hours with corrections	year-to-date	0.00%	0.00%										
Interval Corrections													
Number of intervals corrected	in the month	0	0										
Number of intervals	in the month	8,987	8,082										
% of intervals corrected	in the month	0.00%	0.00%										
% of intervals corrected	year-to-date	0.00%	0.00%										
Hours Reserved													
Number of hours reserved	in the month	0	0										
Number of hours	in the month	744	696										
% of hours reserved	in the month	0.00%	0.00%										
% of hours reserved	year-to-date	0.00%	0.00%										
Days to Correction *													
Avg. number of days to correction	in the month	0.00	0.00										
Avg. number of days to correction	year-to-date	0.00	0.00										
Days Without Corrections													
Days without corrections	in the month	31	29										
Days without corrections	year-to-date	31	60										
<u>2011</u>		<u>January</u>	February	March	April	May	<u>June</u>	July	August	September	October	November	December
2011 Hour Corrections		<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
	in the month	<u>January</u> 1	<u>February</u> 0	<u>March</u> 1	<u>April</u> 0	<u>May</u> 12	<u>June</u> 4	<u>July</u> 6	<u>August</u> 1	<u>September</u> 0	<u>October</u> 1	<u>November</u> 0	<u>December</u> 0
Hour Corrections	in the month in the month												
Hour Corrections Number of hours with corrections		1	0	1	0	12	4	6	1	0	1	0	0
Hour Corrections Number of hours with corrections Number of hours	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	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 in the month	1 744 0.13%	0 672 0.00%	1 744 0.13%	0 720 0.00%	12 744 1.61% 0.39% 42	4 720 0.56%	6 744 0.81% 0.47% 54	1 744 0.13%	0 720 0.00%	1 744 0.13%	0 720 0.00%	0 744 0.00% 0.30% 0
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% <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%	6 744 0.81% 0.47% 54 8,967	1 744 0.13% 0.43%	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% 0.30% 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	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% 0.39% 42	4 720 0.56% 0.41%	6 744 0.81% 0.47% 54	1 744 0.13% 0.43% 2	0 720 0.00% 0.38% 0	1 744 0.13% 0.36% 2	0 720 0.00% 0.32% 0	0 744 0.00% 0.30% 0
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections <u>Interval Corrections</u> 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% 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% 0.30% 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% 0.30% 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         % 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% 0.30% 0 8,954 0.00%
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         % of intervals corrected	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 with corrections         % of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals         % 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%	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 with corrections         % of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals         % 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 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	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% 0.01% 1 744 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%	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%	0 720 0.00% 0.32% 0 8,671 0.00% 0.12% 0 720 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         % of hours with corrections         % of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals corrected         % of intervals corrected         Mumber of hours reserved         Number of hours reserved         % of hours reserved         % 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% 0.01% 1 744 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%	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%	0 720 0.00% 0.32% 0 8,671 0.00% 0.12% 0 720 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         % of hours with corrections         % of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals corrected         % 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 year-to-date	1 744 0.13% 0.13% 1 8,938 0.01% 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         % of hours with corrections         % of hours with corrections         Interval Corrections         Number 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 year-to-date in the month	1 744 0.13% 0.13% 1 8,938 0.01% 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% 0.09% 0.00	0 720 0.00% 0.07% 0 8,671 0.00% 0.01% 0 720 0.00% 0.07% 0.00	12 744 1.61% 0.39% 42 8,939 0.47% 0.10% 14 744 1.88% 0.44% 0.86	4 720 0.56% 0.41% 12 8,661 0.14% 0.14% 0.11% 6 720 0.83% 0.51% 0.25	6 744 0.81% 0.47% 54 8,967 0.60% 0.18% 7 744 0.94% 0.57% 3.00	1 744 0.13% 0.43% 2 9,021 0.02% 0.16% 6 744 0.81% 0.60% 0.00	0 720 0.00% 0.38% 0 8,678 0.00% 0.14% 0 720 0.00% 0.53% 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% 0.55% 0.00
Hour Corrections         Number of hours with corrections         Number of hours with corrections         % of hours with corrections         Mumber of netroals corrected         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         % 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	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         % of hours with corrections         % of hours with corrections         Interval Corrections         Number of intervals corrected         Number of intervals corrected         % of intervals corrected         Number of hours reserved         Number of hours reserved         % of hours reserved         Days to Correction *         Avg. number of days to correction         Avg. number of days to correction         Avg. number of days to correction	in the month in the month year-to-date in the month in the month 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

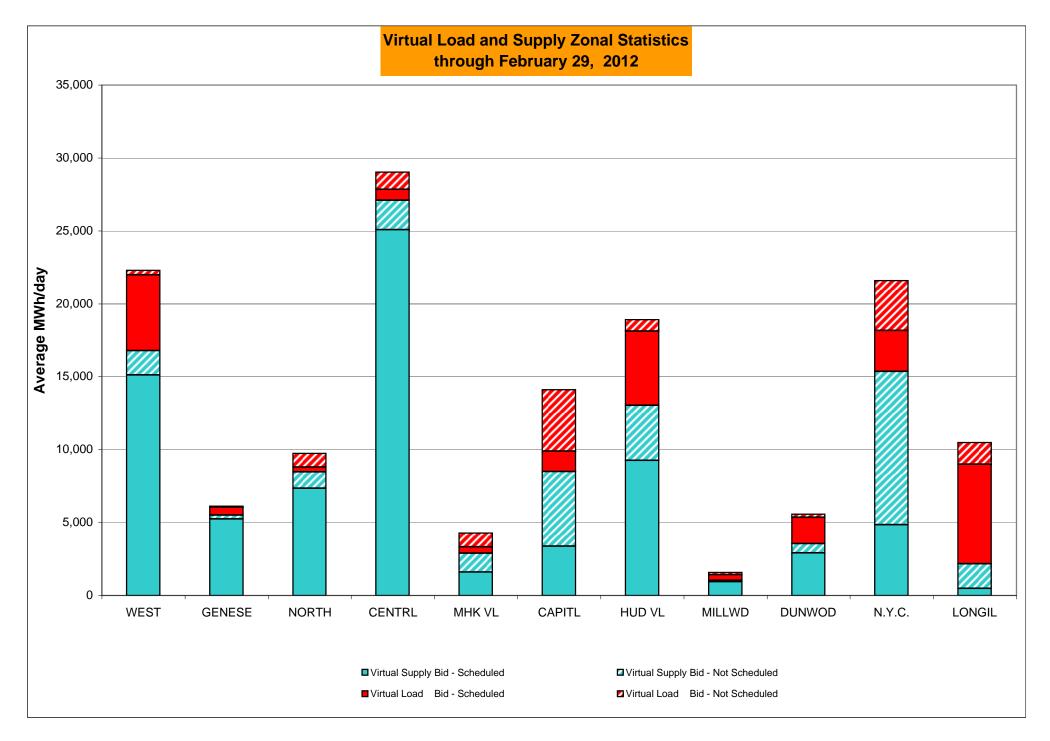
\* Calendar days from reservation date.



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

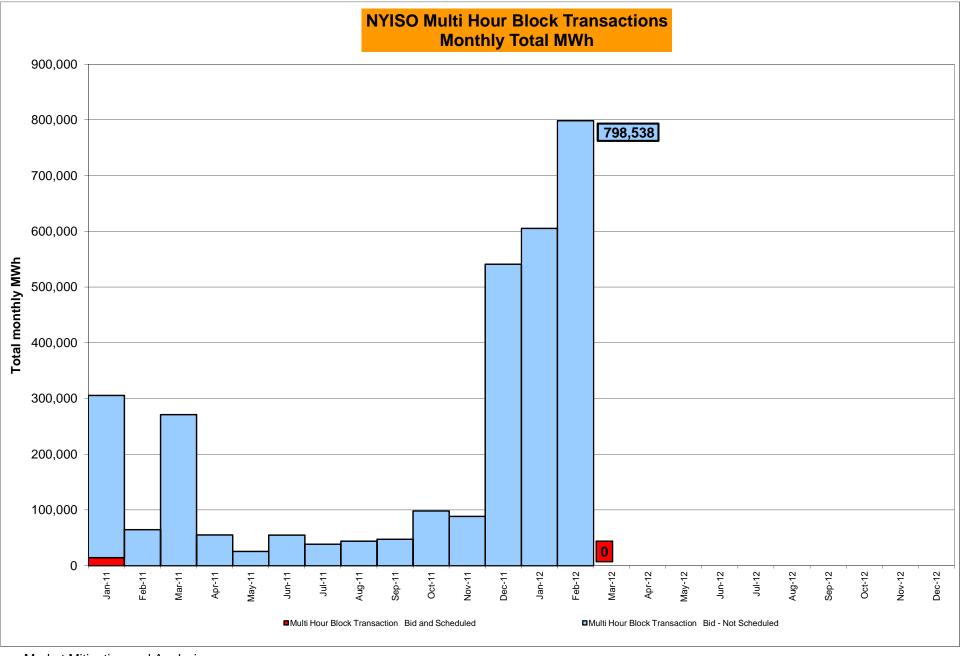
Market Mitigation and Analysis Prepared: 3/5/2012 2:33 PM



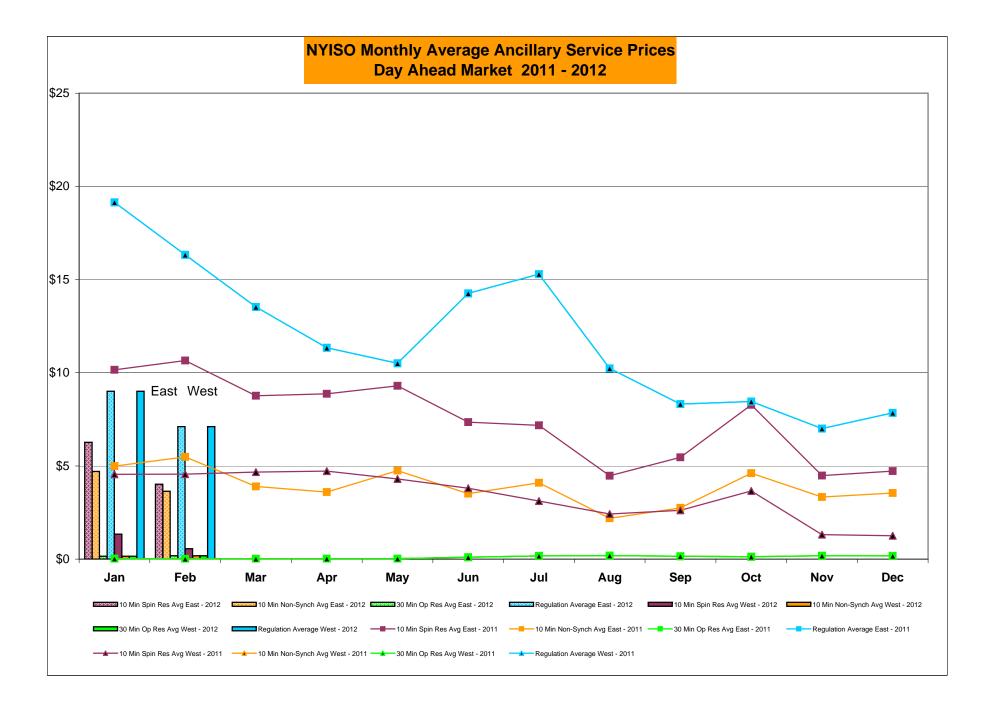


### Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2012

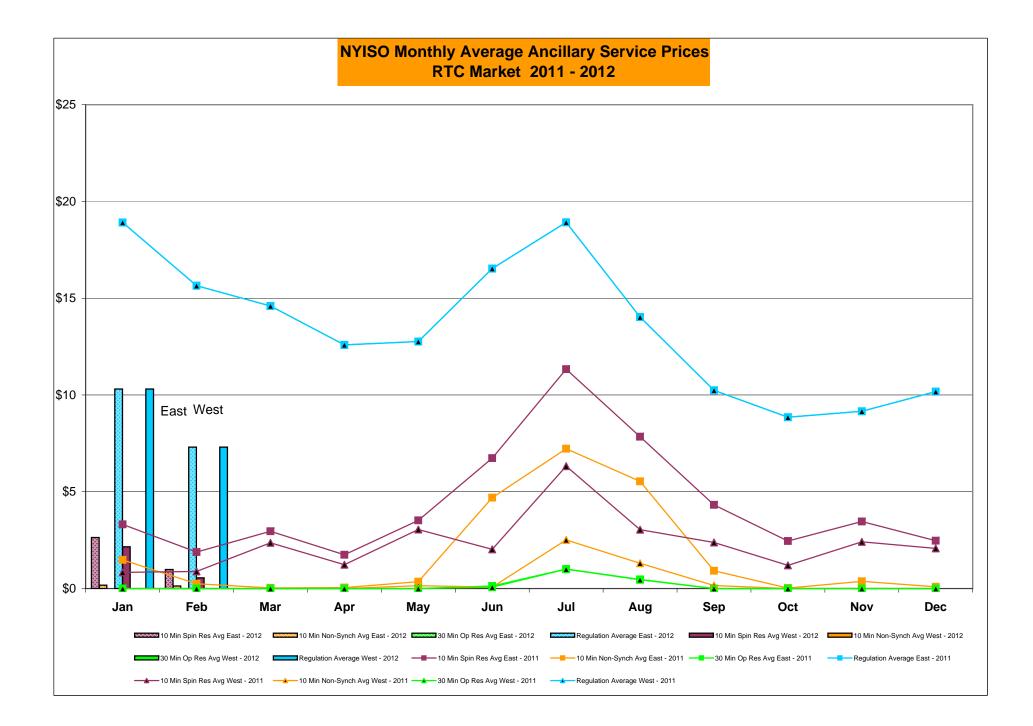
		Virtual L	oad Bid	Virtual Su	upply Bid			Virtual L	oad Bid	Virtual St	upply Bid			Virtual L	oad Bid	Virtual Su	pply Bid
			Not		Not				Not		Not				Not		Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled		Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled
VEST	Jan-12	2,246	938	13,593	956	MHK VL	Jan-12			1,488	1,127	DUNWOD	Jan-12	1,401	461	1,432	189
	Feb-12	5,195	315	15,119	1,672		Feb-12		935	1,592	1,303		Feb-12	1,805	219	2,922	625
	Mar-12						Mar-12						Mar-12				
	Apr-12						Apr-12						Apr-12				
	May-12						May-12						May-12				
	Jun-12						Jun-12						Jun-12				
	Jul-12 Aug-12						Jul-12 Aug-12						Jul-12				
	Sep-12						Sep-12						Aug-12 Sep-12				
	Oct-12						Oct-12						Oct-12				
	Nov-12						Nov-12						Nov-12				
	Dec-12						Dec-12						Dec-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	553	52		271		Feb-12			3,379	5,116		Feb-12	2,819			10,519
	Mar-12						Mar-12						Mar-12				
	Apr-12						Apr-12						Apr-12				
	May-12						May-12						May-12				
	Jun-12						Jun-12						Jun-12				
	Jul-12						Jul-12						Jul-12				
	Aug-12						Aug-12						Aug-12				
	Sep-12						Sep-12						Sep-12				
	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	332		7,359	1,119		Feb-12		794	9,250			Feb-12	6,810		473	1,708
	Mar-12			,	, -		Mar-12			-,			Mar-12		,		
	Apr-12						Apr-12						Apr-12				
	May-12						May-12						May-12				
	Jun-12						Jun-12						Jun-12				
	Jul-12						Jul-12						Jul-12				
	Aug-12						Aug-12						Aug-12				
	Sep-12						Sep-12						Sep-12				
	Oct-12						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	757		25,087	2,011		Feb-12			949			Feb-12	25,588			28,222
	Mar-12		,	-,	,		Mar-12						Mar-12	-,	.,		-,
	Apr-12						Apr-12						Apr-12		1		
	May-12						May-12						May-12				
	Jun-12						Jun-12						Jun-12				
	Jul-12						Jul-12						Jul-12				
	Aug-12						Aug-12						Aug-12				
	Sep-12						Sep-12						Sep-12				
	Oct-12						Oct-12						Oct-12 Nov-12				
	Nov-12						Nov-12										

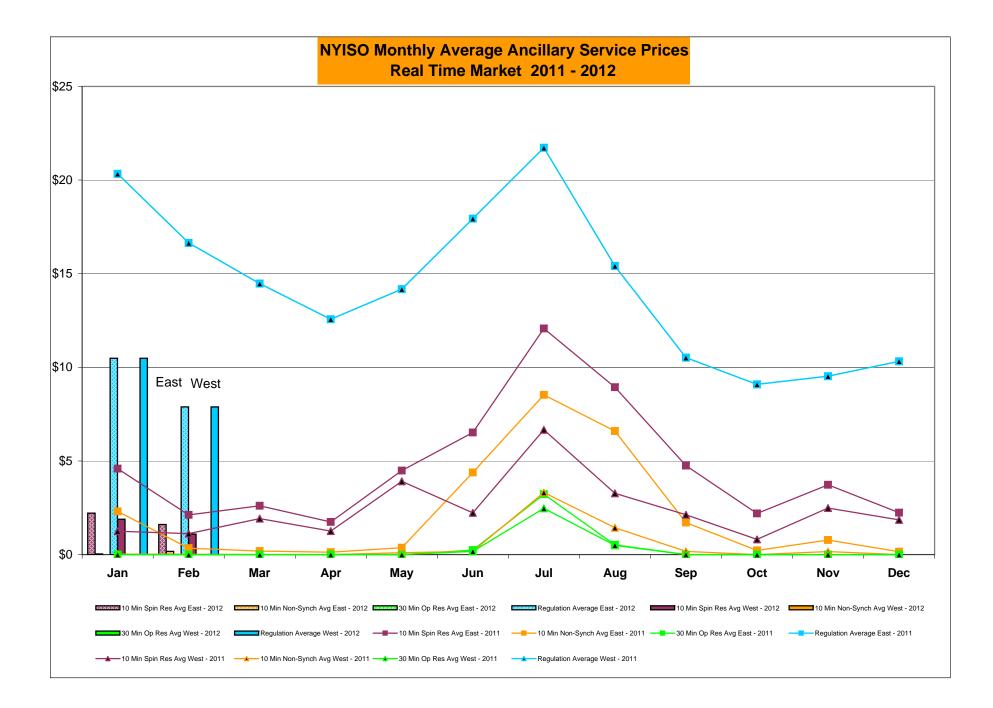


Market Mitigation and Analysis Prepared: 3/6/2012 3:43 PM



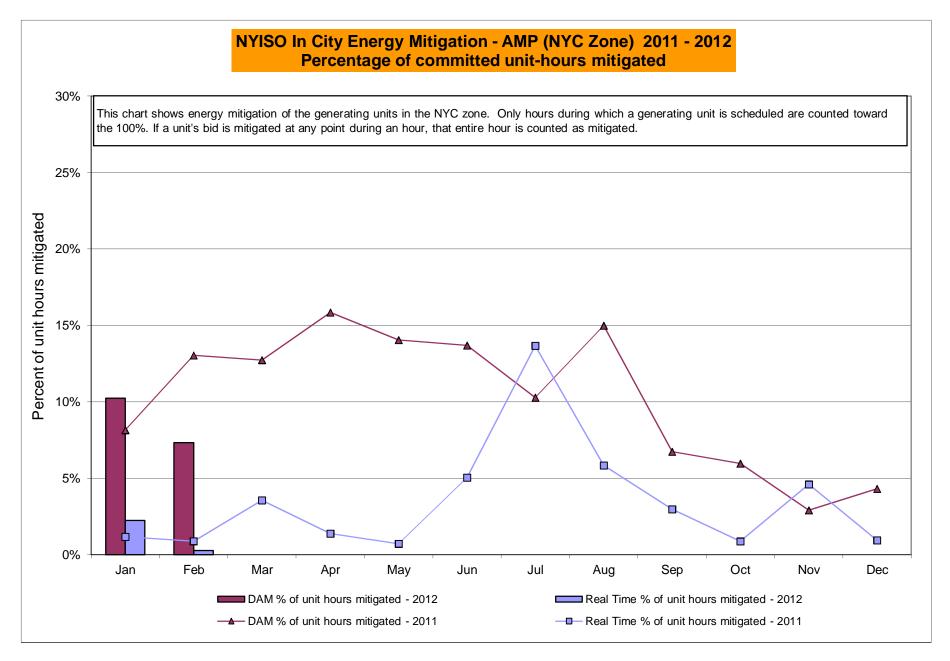
Market Mitigation and Analysis Prepared: 3/5/2012 2:22 PM



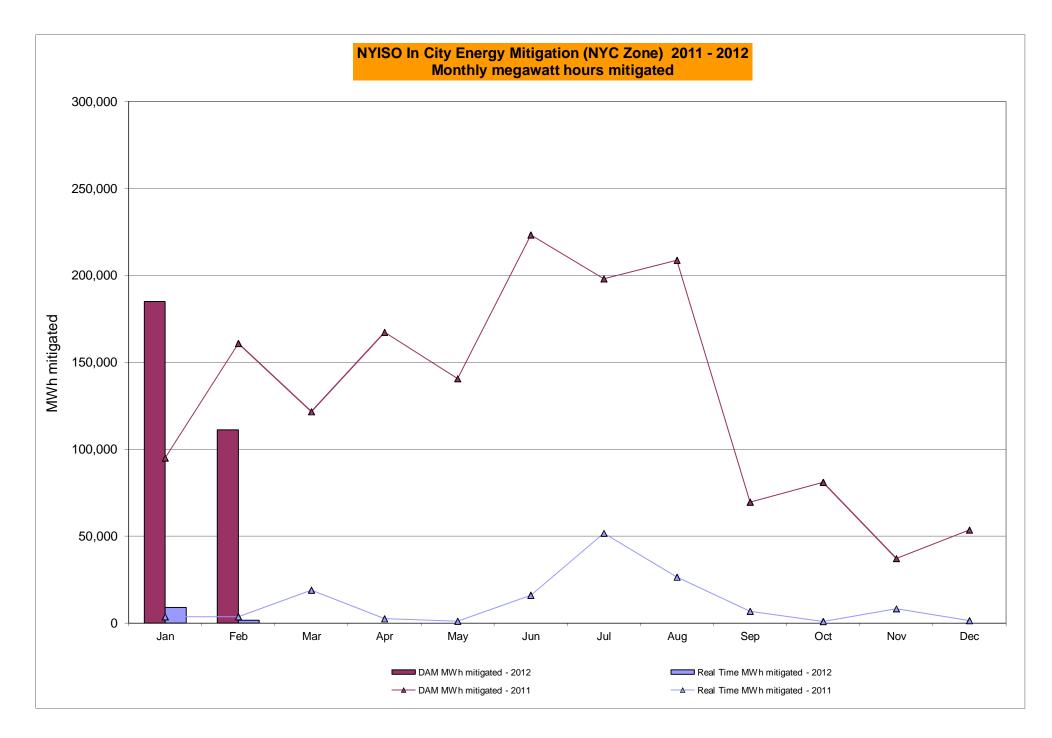


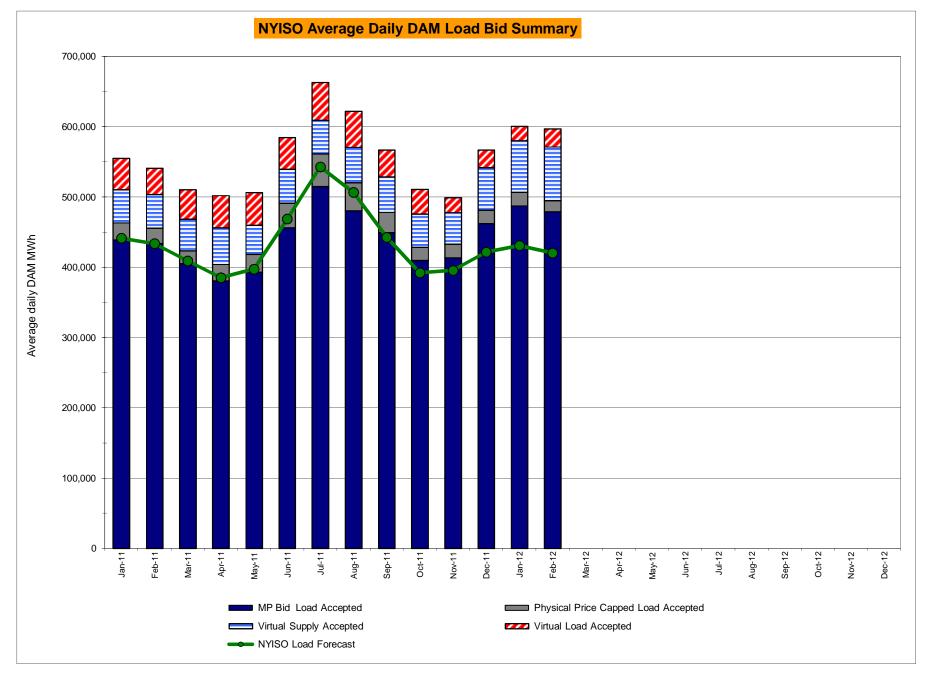
#### NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

							erginte a r		<u>,</u>			
<u>2012</u>	<u>January</u>	<b>February</b>	March	<u>April</u>	May	June	July	August	September	October	November	December
Day Ahead Market												
10 Min Spin East	6.26	4.01										
10 Min Spin West	1.34	0.56										
10 Min Non Synch East	4.71	3.64										
10 Min Non Synch West	0.15	0.18										
30 Min East	0.15	0.18										
30 Min West	0.15	0.18										
Regulation East	9.01	7.11										
Regulation West	9.01	7.11										
-												
RTC Market												
10 Min Spin East	2.64	0.99										
10 Min Spin West	2.16	0.55										
10 Min Non Synch East	0.17	0.13										
10 Min Non Synch West	0.00	0.00										
30 Min East	0.00	0.00										
30 Min West	0.00	0.00										
Regulation East	10.31	7.31										
Regulation West	10.31	7.31										
Real Time Market												
10 Min Spin East	2.21	1.61										
10 Min Spin West	1.89	1.01										
10 Min Non Synch East	0.03	0.17										
		0.00										
10 Min Non Synch West	0.00											
30 Min East 30 Min West	0.00	0.00										
	0.00	0.00										
Regulation East	10.49	7.89										
Regulation West	10.49	7.89										
<u>2011</u>	<u>January</u>	February	March	<u>April</u>	May	June	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
<u>2011</u> Day Ahead Market	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	June	July	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
	<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	<u>December</u> 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 Min Non Synch East	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 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	5.46 2.62 2.75	7.76 3.15 4.62	4.48 1.32 3.33 0.18	4.72 1.25 3.55
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East	10.15 4.55 4.99 0.02 0.02	10.66 4.56 5.48	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	7.18 3.12 4.10	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	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 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 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	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	10.15 4.55 4.99 0.02 0.02 0.02	10.66 4.56 5.48 0.02 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 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 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 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 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 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 Min Spin East 10 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 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 14.26 14.26 6.74 2.03	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	5.46 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 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 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 Min Spin East 10 Min Spin West 10 Min Non Synch East	10.15 4.55 4.99 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 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 15.29 15.29 11.34 6.33 7.23	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 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 7.85 2.47 2.08 0.09
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 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 10.15$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00$	$\begin{array}{c} 8.76 \\ 4.67 \\ 3.90 \\ 0.02 \\ 0.02 \\ 13.53 \\ 13.53 \\ 13.53 \\ 2.96 \\ 2.37 \\ 0.04 \\ 0.00 \end{array}$	8.87 4.72 3.60 0.03 0.03 11.34 11.34 11.34 1.74 1.23 0.05 0.00	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.15	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ \end{array}$	7.18 3.12 4.10 0.17 0.17 15.29 15.29 11.34 6.33 7.23 2.51	4.47 2.42 2.19 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 0.17 7.85 7.85 2.47 2.08 0.09 0.00
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 TO Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.0$	$\begin{array}{c} 8.76 \\ 4.67 \\ 3.90 \\ 0.02 \\ 0.02 \\ 13.53 \\ 13.53 \\ 2.96 \\ 2.37 \\ 0.04 \\ 0.00 \\ 0.00 \end{array}$	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ \end{array}$	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	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ \end{array}$	7.18 3.12 4.10 0.17 0.17 15.29 15.29 11.34 6.33 7.23 2.51 1.01	4.47 2.42 2.19 0.19 0.19 10.23 10.23 7.84 3.04 5.54 1.31 0.47	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	$\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}$	4.48 1.32 3.33 0.18 0.18 7.01 7.01 3.46 2.41 0.37 0.01 0.00	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
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 <b>RTC Market</b> 10 Min Spin East 10 Min Spin West 10 Min Non Synch West 30 Min East 30 Min East 30 Min West	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.0$	$\begin{array}{c} 8.76 \\ 4.67 \\ 3.90 \\ 0.02 \\ 0.02 \\ 13.53 \\ 13.53 \\ 2.96 \\ 2.37 \\ 0.04 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \end{array}$	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 9.30\\ 4.30\\ 4.75\\ 0.03\\ 0.03\\ 10.51\\ 10.51\\ 3.52\\ 3.05\\ 0.35\\ 0.15\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ \end{array}$	7.18 3.12 4.10 0.17 0.17 15.29 15.29 11.34 6.33 7.23 2.51 1.01 1.00	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ \end{array}$	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	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	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
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 TO Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 1000 \\ 0.0$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.0$	$\begin{array}{c} 8.76 \\ 4.67 \\ 3.90 \\ 0.02 \\ 0.02 \\ 13.53 \\ 13.53 \\ 2.96 \\ 2.37 \\ 0.04 \\ 0.00 \\ 0.00 \end{array}$	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ \end{array}$	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	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ \end{array}$	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	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	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
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 <b>RTC Market</b> 10 Min Spin East 10 Min Spin West 10 Min Non Synch West 30 Min East 30 Min East 30 Min West	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.0$	$\begin{array}{c} 8.76 \\ 4.67 \\ 3.90 \\ 0.02 \\ 0.02 \\ 13.53 \\ 13.53 \\ 2.96 \\ 2.37 \\ 0.04 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \end{array}$	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 9.30\\ 4.30\\ 4.75\\ 0.03\\ 0.03\\ 10.51\\ 10.51\\ 3.52\\ 3.05\\ 0.35\\ 0.15\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ \end{array}$	7.18 3.12 4.10 0.17 0.17 15.29 15.29 11.34 6.33 7.23 2.51 1.01 1.00	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ \end{array}$	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	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	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
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 Spin West30 Min Spin West30 Min Non Synch West30 Min Non Synch West30 Min West30 Min East30 Min WestRegulation East30 Min WestRegulation EastRegulation EastRegulation WestRegulation WestRegulation West	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 1000 \\ 0.0$	$\begin{array}{c} 10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \end{array}$	$\begin{array}{c} 8.76\\ 4.67\\ 3.90\\ 0.02\\ 0.02\\ 13.53\\ 13.53\\ 13.53\\ 2.96\\ 2.37\\ 0.04\\ 0.00\\ 0.00\\ 0.00\\ 14.60\\ \end{array}$	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ \end{array}$	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	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ \end{array}$	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	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	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
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 West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation East Regulation East Regulation West Regulation West Regulation West Regulation West	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 18.91 \\ 18.91 \\ 10.00 \\ 0.00 \\$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 $	$\begin{array}{c} 8.76 \\ 4.67 \\ 3.90 \\ 0.02 \\ 0.02 \\ 0.02 \\ 13.53 \\ 13.53 \\ 2.96 \\ 2.37 \\ 0.04 \\ 0.00 \\ 0.00 \\ 0.00 \\ 14.60 \\ 14.60 \\ 14.60 \end{array}$	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\end{array}$	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	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ \end{array}$	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	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ \end{array}$	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	7.76 $3.15$ $4.62$ $0.14$ $0.14$ $0.14$ $8.02$ $8.02$ $3.84$ $2.23$ $0.10$ $0.00$ $0.00$ $0.00$ $9.62$ $9.62$	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 West10 Min Spin East10 Min Spin West10 Min Spin West10 Min Non Synch West30 Min East30 Min East30 Min Kest30 Min Spin West30 Min Non Synch West30 Min WestRegulation EastRegulation EastRegulation EastRegulation EastRegulation EastRegulation EastRegulation EastRegulation Spin West10 Min Spin East10 Min Spin East10 Min Spin East10 Min Spin East	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 4.59 \\ \end{cases}$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 15.65 \\ 2.12$	$\begin{array}{c} 8.76 \\ 4.67 \\ 3.90 \\ 0.02 \\ 0.02 \\ 13.53 \\ 13.53 \\ 13.53 \\ 2.96 \\ 2.37 \\ 0.04 \\ 0.00 \\ 0.00 \\ 0.00 \\ 14.60 \\ 14.60 \\ 14.60 \\ 14.60 \\ 14.60 \end{array}$	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 1.74\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ \end{array}$	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	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ \end{array}$	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 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	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 10.18 10.18
Day Ahead Market         10 Min Spin East         10 Min Spin West         10 Min Non Synch East         10 Min Non Synch West         30 Min East         30 Min East         30 Min West         Regulation East         Regulation West         10 Min Spin East         10 Min Non Synch West         10 Min Non Synch West         10 Min Non Synch West         30 Min East         30 Min East         30 Min Kest         30 Min East         30 Min East         30 Min East         30 Min East         30 Min West         Regulation East         Regulation West         Regulation West         Regulation West         Min Spin East         10 Min Spin East	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 4.59 \\ 1.25 \\ 1.$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 15.65 \\ 2.12 \\ 1$	$\begin{array}{c} 8.76 \\ 4.67 \\ 3.90 \\ 0.02 \\ 0.02 \\ 13.53 \\ 13.53 \\ 13.53 \\ 2.96 \\ 2.37 \\ 0.04 \\ 0.00 \\ 0.00 \\ 0.00 \\ 14.60 \\ 14.60 \\ 14.60 \\ 14.60 \\ 14.60 \\ 14.60 \\ 14.92 \\ \end{array}$	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 0.35 0.15 0.00 0.00 12.77 12.77 4.49 3.92	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ \end{array}$	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 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 14.03 8.94 3.27	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	$\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}$	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 3.72 2.49	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 0
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation West10 Min Spin East10 Min Spin East10 Min Non Synch West30 Min East30 Min WestRegulation East10 Min Spin East10 Min Non Synch West30 Min East30 Min East30 Min WestRegulation EastRegulation EastRegulation WestReal Time Market10 Min Spin East10 Min Spin West10 Min Spin West10 Min Spin East10 Min Spin West10 Min Spin West10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch East	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 4.59 \\ 1.25 \\ 2.31 \\ 1000 \\ 0.$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 1.88 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 2.12 \\ 1.12 \\ 0.35 \\ 1.2 \\ 0.35 \\ 0.35 \\ 0.00 \\ 0.$	$\begin{array}{c} 8.76 \\ 4.67 \\ 3.90 \\ 0.02 \\ 0.02 \\ 13.53 \\ 13.53 \\ 13.53 \\ 2.96 \\ 2.37 \\ 0.04 \\ 0.00 \\ 0.00 \\ 0.00 \\ 14.60 \\ 14.60 \\ 14.60 \\ 14.60 \\ 14.60 \\ 14.92 \\ 0.19 \end{array}$	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 0.15 0.00 0.00 12.77 12.77 4.49 3.92 0.37	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ \end{array}$	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 18.93	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ 14.03\\ \hline 8.94\\ 3.27\\ 6.60\\ \end{array}$	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 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	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 1.86 0.15
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min East30 Min WestRegulation EastRegulation West10 Min Spin East10 Min Spin East10 Min Non Synch West30 Min East30 Min WestRegulation East10 Min Non Synch West30 Min WestRegulation East30 Min WestRegulation East30 Min WestRegulation WestRegulation West10 Min Spin East10 Min Spin East10 Min Spin West10 Min Spin West10 Min Spin East10 Min Spin Kest10 Min Spin West10 Min Non Synch East10 Min Non Synch West10 Min Non Synch West10 Min Non Synch West10 Min Non Synch West	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 18.91 \\ 4.59 \\ 1.25 \\ 2.31 \\ 0.02 \\ 0$	$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 \\ 2.12 \\ 1.12 \\ 0.35 \\ 0.02 \\ $	$\begin{array}{c} 8.76 \\ 4.67 \\ 3.90 \\ 0.02 \\ 0.02 \\ 0.02 \\ 13.53 \\ 13.53 \\ 13.53 \\ 2.96 \\ 2.37 \\ 0.04 \\ 0.00 \\ 0.00 \\ 0.00 \\ 14.60 \\ 14.60 \\ 14.60 \\ 14.60 \\ 2.61 \\ 1.92 \\ 0.19 \\ 0.00 \end{array}$	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 11.34\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ 1.26\\ 0.13\\ 0.00\\ \end{array}$	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.15 0.00 0.00 12.77 12.77 4.49 3.92 0.37 0.10	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ 3.223\\ 4.38\\ 0.18\\ \end{array}$	$\begin{array}{c} 7.18\\ 3.12\\ 4.10\\ 0.17\\ 0.17\\ 15.29\\ 15.29\\ 15.29\\ 11.34\\ 6.33\\ 7.23\\ 2.51\\ 1.01\\ 1.00\\ 18.93\\ 18.93\\ 12.08\\ 6.66\\ 8.52\\ 3.31\\ \end{array}$	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ 14.03\\ \hline 8.94\\ 3.27\\ 6.60\\ 1.44\\ \end{array}$	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 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	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 7.85\\ 2.47\\ 2.08\\ 0.09\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 10.18\\ 10.18\\ 10.18\\ 2.24\\ 1.86\\ 0.15\\ 0.00\\ \end{array}$
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation West10 Min Spin East10 Min Spin East10 Min Non Synch West30 Min WestRegulation WestRegulation WestRegulation West10 Min Spin East10 Min Non Synch West30 Min WestRegulation East30 Min WestRegulation WestRegulation WestRegulation West10 Min Spin East10 Min Spin West10 Min Non Synch West30 Min East30 Min East30 Min East30 Min Kast	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 18.91 \\ 1.25 \\ 2.31 \\ 0.02 \\ 0.00 \\ 0$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 18.8 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 15.65 \\ 2.12 \\ 1.12 \\ 0.35 \\ 0.02 \\ 0.00 \\ $	$\begin{array}{c} 8.76\\ 4.67\\ 3.90\\ 0.02\\ 0.02\\ 0.02\\ 13.53\\ 13.53\\ 13.53\\ 2.96\\ 2.37\\ 0.04\\ 0.00\\ 0.00\\ 14.60\\ 14.60\\ 14.60\\ 2.61\\ 1.92\\ 0.19\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 123\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ 1.26\\ 0.13\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	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	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ \hline \end{array}$	$\begin{array}{c} 7.18\\ 3.12\\ 4.10\\ 0.17\\ 0.17\\ 15.29\\ 15.29\\ 15.29\\ 11.34\\ 6.33\\ 7.23\\ 2.51\\ 1.01\\ 1.00\\ 18.93\\ 18.93\\ 12.08\\ 6.66\\ 8.52\\ 3.31\\ 3.22\\ \end{array}$	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ 14.03\\ \hline 8.94\\ 3.27\\ 6.60\\ 1.44\\ 0.52\\ \end{array}$	$\begin{array}{c} 5.46\\ 2.62\\ 2.75\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.00\\ 0.00\\ 10.24\\ 1$	$\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}\\ \begin{array}{c} 3.84\\ 2.23\\ 0.10\\ 0.00\\ 0.00\\ 9.62\\ 9.62\\ \end{array}\\ \begin{array}{c} 3.03\\ 1.50\\ 0.21\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 4.48\\ 1.32\\ 3.33\\ 0.18\\ 0.18\\ 0.18\\ 0.18\\ 7.01\\ 7.01\\ 7.01\\ 7.01\\ 3.46\\ 2.41\\ 0.37\\ 0.01\\ 0.00\\ 0.00\\ 9.16\\ 9.16\\ 3.72\\ 2.49\\ 0.77\\ 0.16\\ 0.00\\ \end{array}$	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 7.85\\ \hline\end{array}$
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation West10 Min Spin East10 Min Spin West10 Min Spin East10 Min Non Synch West30 Min WestRegulation WestRegulation West10 Min Spin West30 Min WestRegulation East30 Min WestRegulation EastRegulation EastRegulation WestRegulation WestD Min Spin East10 Min Spin West10 Min Non Synch West30 Min East30 Min East30 Min East30 Min East30 Min West	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 18.91 \\ 1.25 \\ 2.31 \\ 0.02 \\ 0.00 \\ 0$	$\begin{array}{c} 10.66\\ 4.56\\ 5.48\\ 0.02\\ 0.02\\ 0.02\\ 16.33\\ 16.33\\ 16.33\\ 16.33\\ 16.33\\ 16.33\\ 16.53\\ 15.65\\ 15.65\\ 15.65\\ 15.65\\ 15.65\\ 15.65\\ 1.12\\ 0.35\\ 0.02\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	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 14.60 2.61 1.92 0.19 0.00	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 11.34\\ 1.23\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ 1.26\\ 0.13\\ 0.00$	9.30 4.30 4.75 0.03 0.03 10.51 10.51 3.52 3.05 0.35 0.15 0.00 0.00 12.77 12.77 4.49 3.92 0.37 0.10 0.00 0.00	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 6.52 2.23 4.38 0.18 0.24 0.18	$\begin{array}{c} 7.18\\ 3.12\\ 4.10\\ 0.17\\ 0.17\\ 15.29\\ 15.29\\ 15.29\\ 15.23\\ 2.51\\ 1.01\\ 1.00\\ 18.93\\ 18.93\\ 18.93\\ 12.08\\ 6.66\\ 8.52\\ 3.31\\ 3.22\\ 2.47\\ \end{array}$	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ 14.03\\ \hline 8.94\\ 3.27\\ 6.60\\ 1.44\\ 0.52\\ 0.50\\ \end{array}$	$\begin{array}{c} 5.46\\ 2.62\\ 2.75\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 8.32\\ 8.32\\ \end{array}$	$\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}\\ \begin{array}{c} 3.84\\ 2.23\\ 0.10\\ 0.00\\ 0.00\\ 9.62\\ 9.62\\ \end{array}\\ \begin{array}{c} 3.03\\ 1.50\\ 0.21\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	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 9.16 9.16 3.72 2.49 0.77 0.16 0.00 0.00	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 7.85\\ 7.85\\ 7.85\\ 2.47\\ 2.08\\ 0.09\\ 0.00\\ 0.00\\ 0.00\\ 10.18\\ 10.18\\ 10.18\\ 10.18\\ 2.24\\ 1.86\\ 0.15\\ 0.00\\ 0$
Day Ahead Market10 Min Spin East10 Min Spin West10 Min Non Synch East10 Min Non Synch West30 Min East30 Min WestRegulation EastRegulation West10 Min Spin East10 Min Spin East10 Min Non Synch West30 Min WestRegulation WestRegulation WestRegulation West10 Min Spin East10 Min Non Synch West30 Min WestRegulation East30 Min WestRegulation WestRegulation WestRegulation West10 Min Spin East10 Min Spin West10 Min Non Synch West30 Min East30 Min East30 Min East30 Min Kast	$10.15 \\ 4.55 \\ 4.99 \\ 0.02 \\ 0.02 \\ 0.02 \\ 19.14 \\ 19.14 \\ 3.32 \\ 0.83 \\ 1.48 \\ 0.00 \\ 0.00 \\ 0.00 \\ 18.91 \\ 18.91 \\ 18.91 \\ 1.25 \\ 2.31 \\ 0.02 \\ 0.00 \\ 0$	$10.66 \\ 4.56 \\ 5.48 \\ 0.02 \\ 0.02 \\ 0.02 \\ 16.33 \\ 16.33 \\ 16.33 \\ 18.8 \\ 0.89 \\ 0.25 \\ 0.00 \\ 0.00 \\ 0.00 \\ 15.65 \\ 15.65 \\ 15.65 \\ 2.12 \\ 1.12 \\ 0.35 \\ 0.02 \\ 0.00 \\ $	$\begin{array}{c} 8.76\\ 4.67\\ 3.90\\ 0.02\\ 0.02\\ 0.02\\ 13.53\\ 13.53\\ 13.53\\ 2.96\\ 2.37\\ 0.04\\ 0.00\\ 0.00\\ 14.60\\ 14.60\\ 14.60\\ 2.61\\ 1.92\\ 0.19\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 8.87\\ 4.72\\ 3.60\\ 0.03\\ 0.03\\ 0.03\\ 11.34\\ 11.34\\ 11.34\\ 123\\ 0.05\\ 0.00\\ 0.00\\ 0.00\\ 12.59\\ 12.59\\ 12.59\\ 1.74\\ 1.26\\ 0.13\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	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	$\begin{array}{c} 7.35\\ 3.80\\ 3.51\\ 0.10\\ 0.10\\ 14.26\\ 14.26\\ 14.26\\ 6.74\\ 2.03\\ 4.69\\ 0.07\\ 0.13\\ 0.07\\ 16.54\\ 16.54\\ 16.54\\ 16.54\\ \hline \end{array}$	$\begin{array}{c} 7.18\\ 3.12\\ 4.10\\ 0.17\\ 0.17\\ 15.29\\ 15.29\\ 15.29\\ 11.34\\ 6.33\\ 7.23\\ 2.51\\ 1.01\\ 1.00\\ 18.93\\ 18.93\\ 12.08\\ 6.66\\ 8.52\\ 3.31\\ 3.22\\ \end{array}$	$\begin{array}{c} 4.47\\ 2.42\\ 2.19\\ 0.19\\ 0.19\\ 0.19\\ 10.23\\ 10.23\\ 10.23\\ \hline 7.84\\ 3.04\\ 5.54\\ 1.31\\ 0.47\\ 0.45\\ 14.03\\ 14.03\\ 14.03\\ \hline 8.94\\ 3.27\\ 6.60\\ 1.44\\ 0.52\\ \end{array}$	$\begin{array}{c} 5.46\\ 2.62\\ 2.75\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.15\\ 0.00\\ 0.00\\ 10.24\\ 1$	$\begin{array}{c} 7.76\\ 3.15\\ 4.62\\ 0.14\\ 0.14\\ 0.14\\ 8.02\\ 8.02\\ \end{array}\\ \begin{array}{c} 3.84\\ 2.23\\ 0.10\\ 0.00\\ 0.00\\ 9.62\\ 9.62\\ \end{array}\\ \begin{array}{c} 3.03\\ 1.50\\ 0.21\\ 0.00\\ 0.00\\ 0.00\\ \end{array}$	$\begin{array}{c} 4.48\\ 1.32\\ 3.33\\ 0.18\\ 0.18\\ 0.18\\ 0.18\\ 7.01\\ 7.01\\ 7.01\\ 7.01\\ 3.46\\ 2.41\\ 0.37\\ 0.01\\ 0.00\\ 0.00\\ 9.16\\ 9.16\\ 3.72\\ 2.49\\ 0.77\\ 0.16\\ 0.00\\ \end{array}$	$\begin{array}{c} 4.72\\ 1.25\\ 3.55\\ 0.17\\ 0.17\\ 0.17\\ 7.85\\ 7.85\\ 7.85\\ 7.85\\ \hline\end{array}$

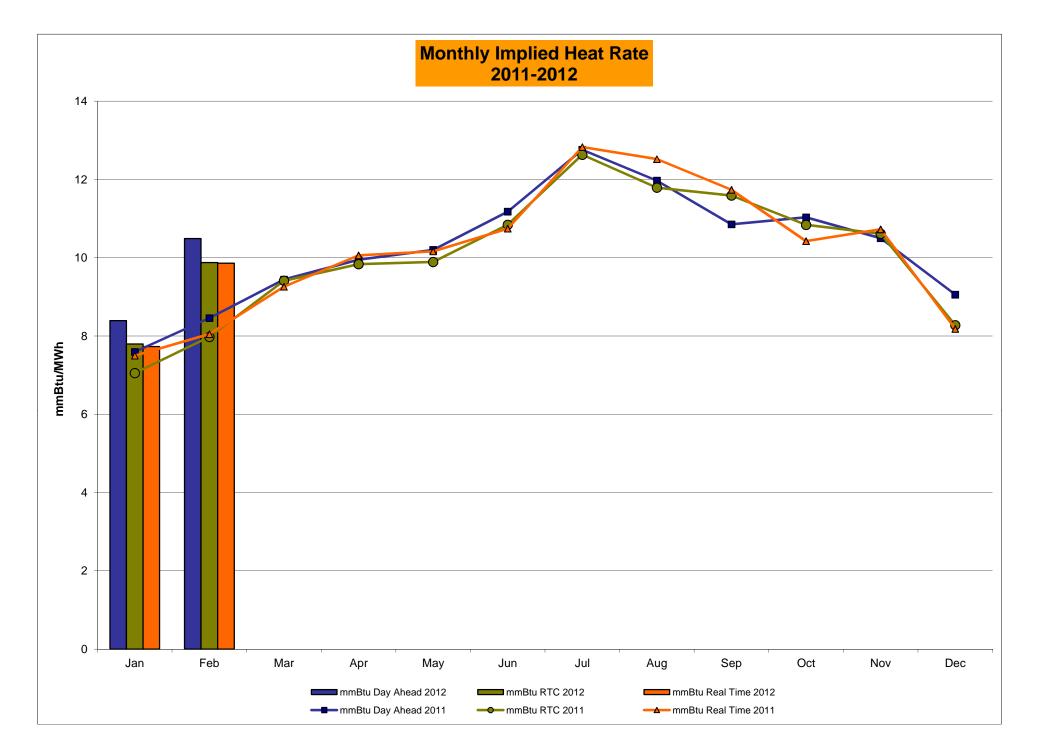


Market Mitigation and Analysis Prepared: 3/6/2012 1:17 PM

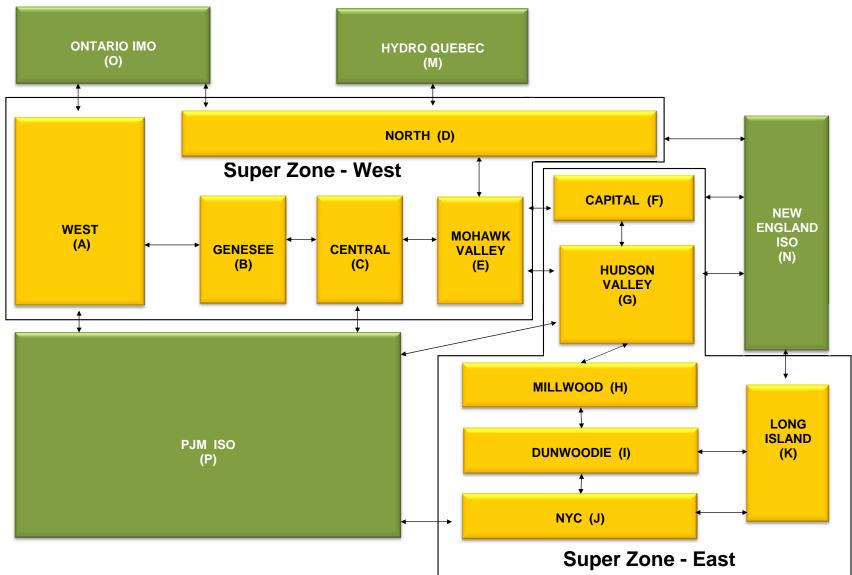




Market Mitigation and Analysis Prepared: 3/6/2012 1:40 PM



# NYISO LBMP ZONES



#### Billing Codes for Chart 4-C

Chart 4-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