

Monthly Report

May 2014

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Operations Performance Metrics Monthly Report





May 2014 Report

Operations & Reliability Department New York Independent System Operator



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May 2014 Operations Performance Highlights

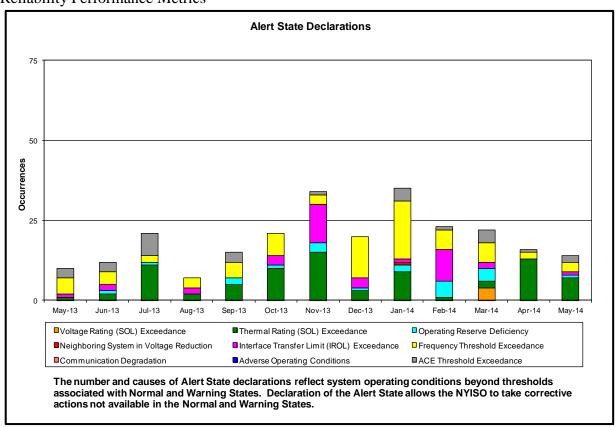
- Peak load of 23,198 MW occurred on 5/27/2014 HB 16
- All-time summer capability period peak load of 33,956 MW occurred on 7/19/2013 HB 16
- 6 hours of Thunder Storm Alerts were declared
- 0 hours of NERC TLR level 3 curtailment
- Broader Regional Market Coordination monthly value was \$0.15M
- Broader Regional Market Coordination year-to-date value was \$6.11M
- Statewide uplift cost monthly average was \$(0.44)/MWh
- Goethals 345kV ring bus completed and placed in-service 5/17
- The following table identifies the Monthly ICAP spot market prices by locality and the price changes from the prior month,

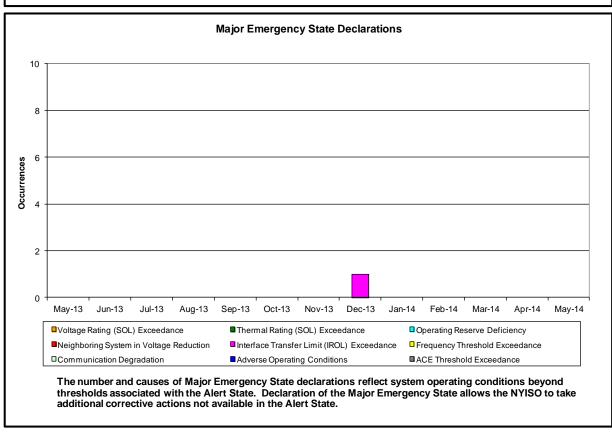
Spot Auction Price Results	NYCA	Lower Hudson Valley Zones	New York City Zone	Long Island Zone
June 2014 Spot Price	\$6.21	\$12.35	\$18.84	\$6.44
Change from Prior Month	(\$0.47)	(\$0.03)	\$0.01	(\$0.24)

- NYCA The -\$0.47 change in price is primarily driven by an increase in offered MWs and an increase in ISONE imports.
- Long Island The -\$0.24 change in price is due to the drop in NYCA price and the Long Island locality requirement setting price.

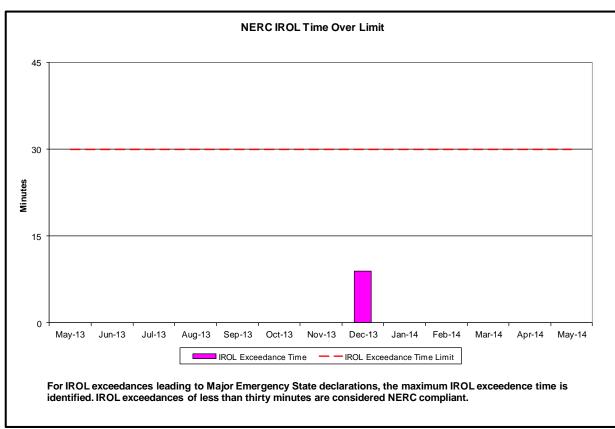


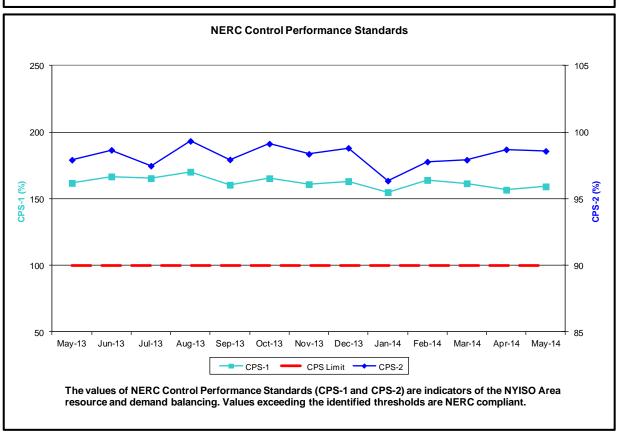
Reliability Performance Metrics



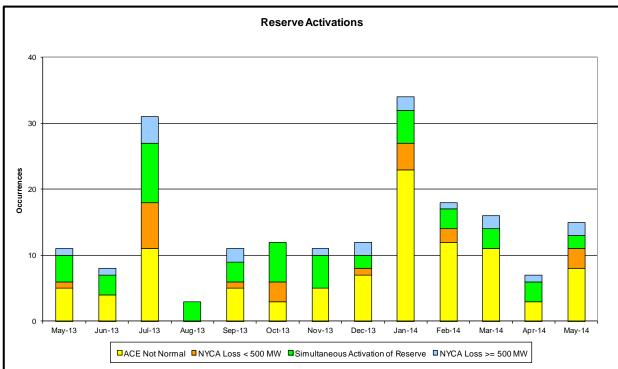




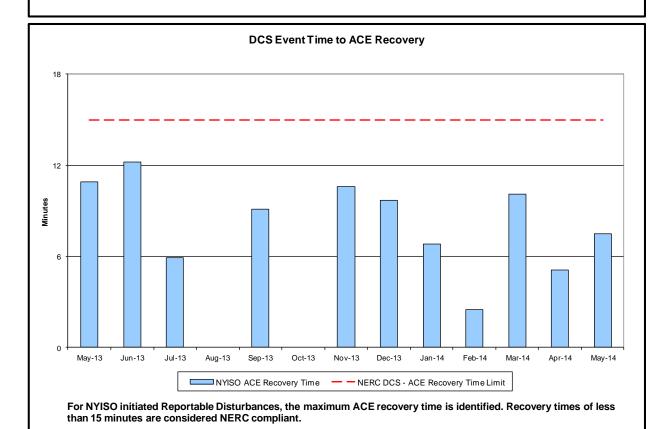




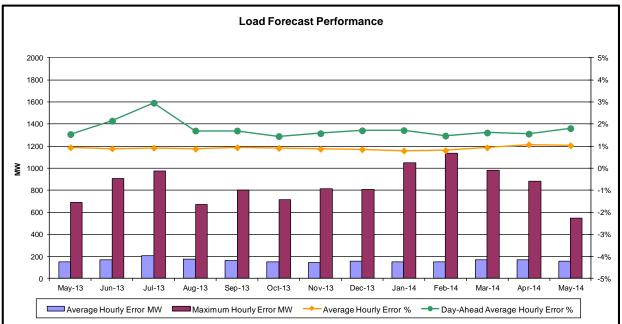




NYISO Reserve Activations are indicators of the need to respond to unexpected operational conditions within the NYISO Area or to assist a neighboring Area (Simultaneous Activation of Reserves) by activating an immediate resource and demand balancing operation.



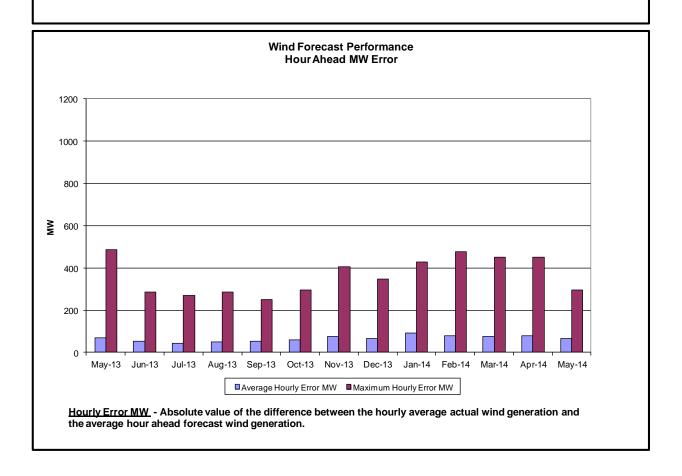




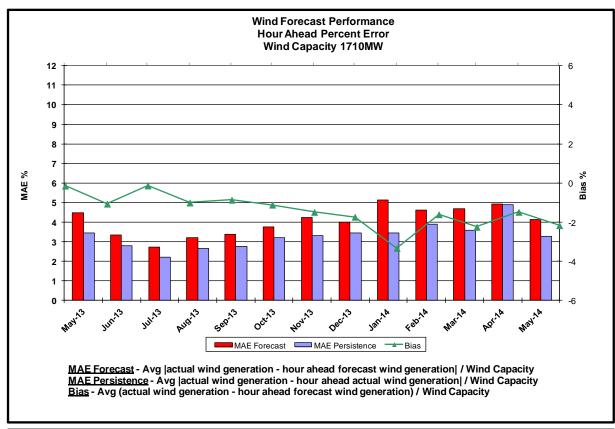
<u>Hourly Error MW</u> - Absolute value of the difference between the hourly average actual load demand and the average hour ahead forecast load demand.

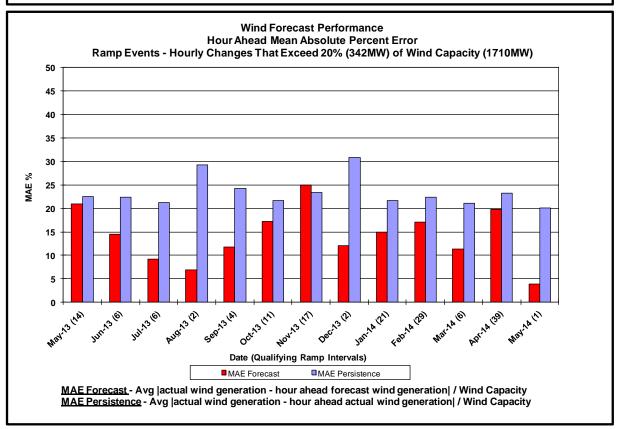
<u>Average Hourly Error %</u> - Average value of the ratio of hourly average error magnitude to hourly average actual load demand.

<u>Day-Ahead Average Hourly Error %</u> - Average across all hours of the month of the absolute value of the difference between actual load demand and the Day-Ahead forecast load demand, divided by the actual load demand.

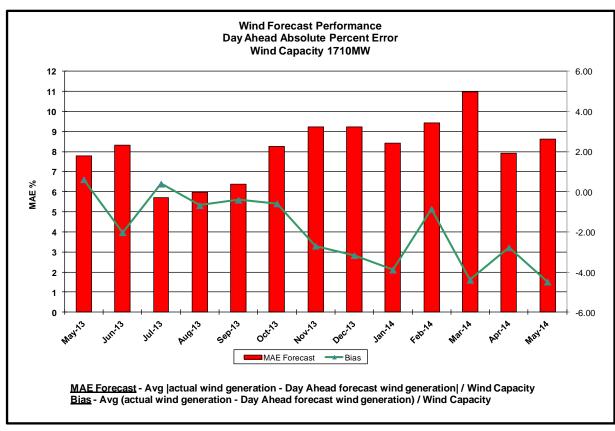


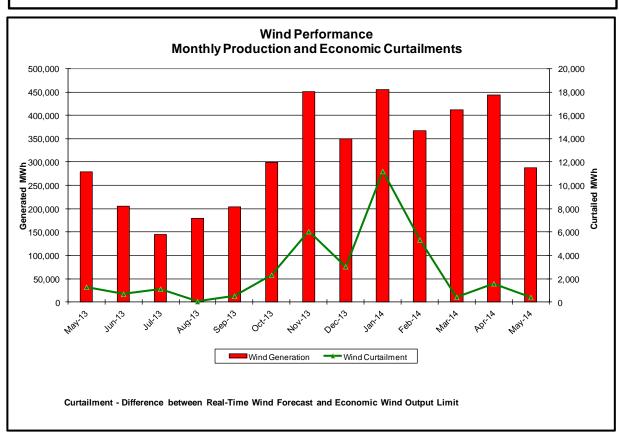




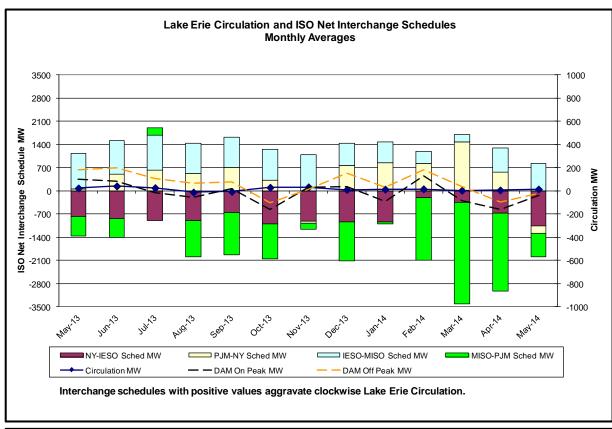


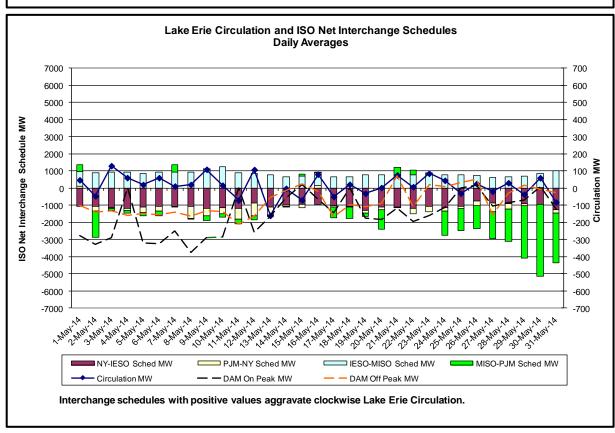






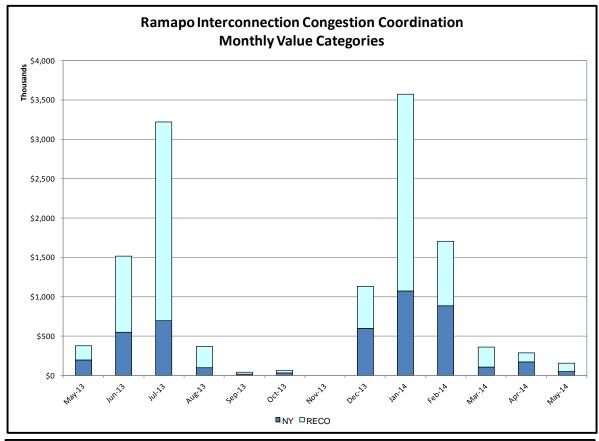


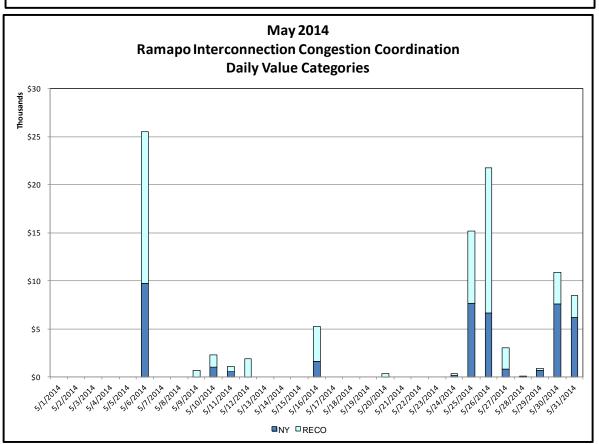






Broader Regional Market Performance Metrics







Ramapo Interconnection Congestion Coordination

<u>Category</u> <u>Description</u>
NY Represents t

Represents the value NY realizes from Market-to-Market Ramapo Coordination. When experiencing congestion, this includes (1) the estimated savings to NY for additional deliveries into NY, plus (2) PJM compensation to NY for additional deliveries into PJM (as compared to the Ramapo Target level, excluding RECO). This is net of any settlements to

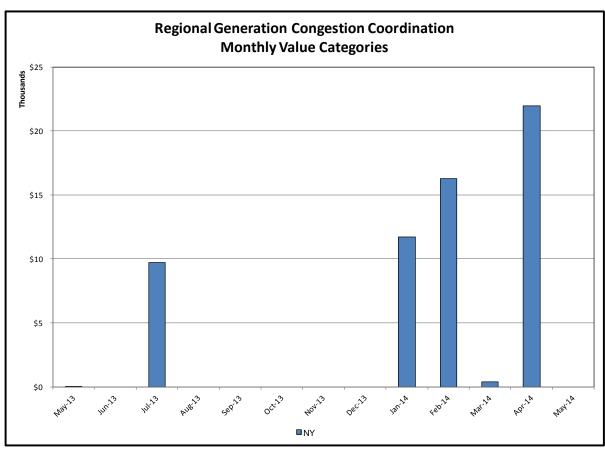
PJM when they are congested.

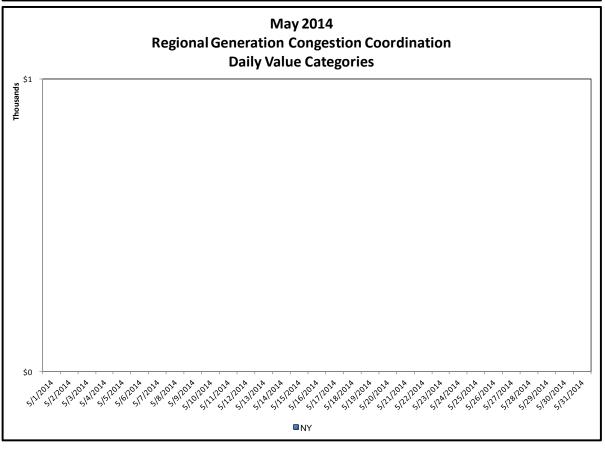
RECO Represents the value of PJM's obligation to deliver 80% of service to RECO load over

Ramapo 5018. This includes (1) the estimated reduction in NYCA congestion due to the PJM delivery of RECO over Ramapo 5018, plus (2) PJM compensation to NY for NYCA congestion

for the under-delivery or inability to deliver service to RECO load over Ramapo 5018.









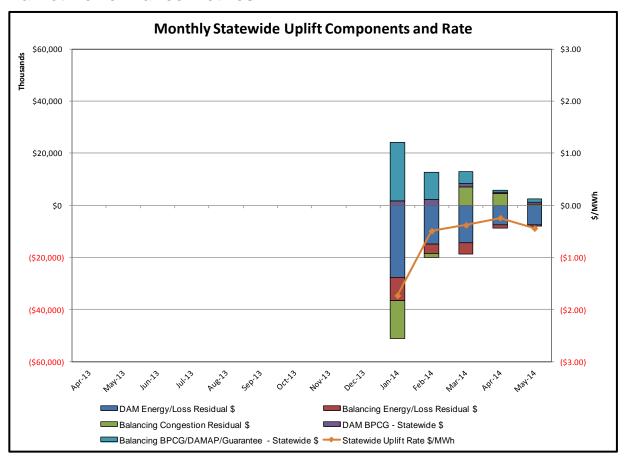
Regional Generation Congestion Coordination

<u>Category</u> NY

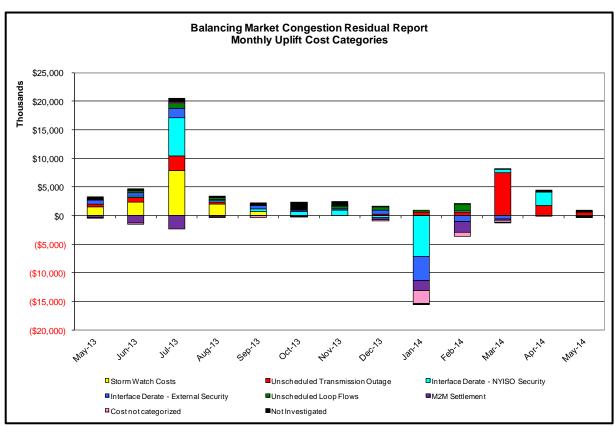
 $\underline{\textbf{\textit{Description}}}$ NYISO savings that result from PJM payments to NYISO when PJM's transmission use (PJM's market flow) is greater than PJM's entitlement of the NY transmission system and NYISO is incurring Western or Central NY congestion. Additionally, NYISO savings may result from the more efficient regional utilization of PJM's generation resources to directly address Western or Central NY transmission congestion.

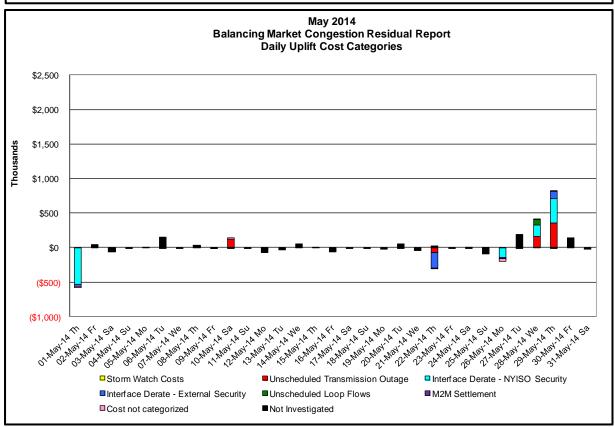


Market Performance Metrics











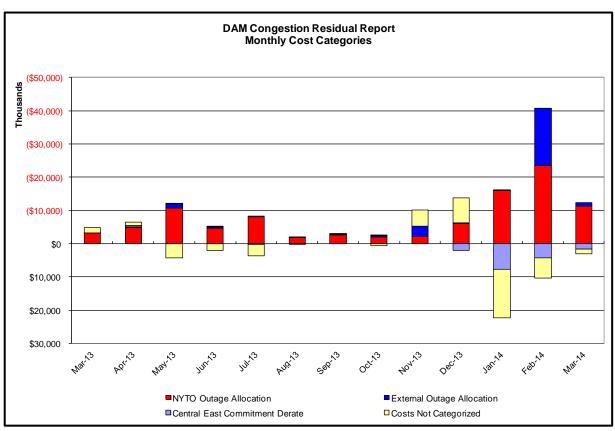
	investigated in May:1, Date (yyyymmdd)	Hours	Description
vorit	5/1/2014		Uprate Dunwoodie-Shore Road 345kV (#Y50) for I/o SCB:SPBK (RNS2): Y49 & M29
	5/1/2014		NE NNC1385-NY Scheduling Limit
	5/10/2014		Forced outage New Scotland-Alps (#2-AN), Berkshire-Alps (#393), Reynolds-Alps (#1-AR)
	5/22/2014		Thunder Storm Alert
	5/22/2014		Forced outage Massena-Marcy 765kV (#MSU1), Chateaugay-Massena 765kV (#7040)
	5/22/2014		Derate Niagara-Packard 230kV (#61) for I/o TWR:Niagara-Packard 230kV (#62) & Beck-Packard 230kV (#BP76)
	5/22/2014		IESO AC DNI Ramp Limit
	5/22/2014		PJM AC - NY Scheduling Limit
	5/26/2014		Uprate Central East
	5/26/2014		NYCA DNI Ramp Limit
	5/26/2014		Uprate Dunwoodie-Shore Road 345kV (#Y50)
	5/26/2014	20,21	Uprate Freshkills-Willow Brook 138kV (#29212-2)
	5/26/2014	15,17	Uprate Leeds-New Scotland 345kV (#93) for I/o Leeds-New Scotland 345kV (#94)
	5/26/2014		Uprate Meyer-Wethersfield 230kV (#85/87) for I/o Niagara-Rochester 345 (#NR2)
	5/26/2014		IESO_AC DNI Ramp Limit
	5/28/2014	8-16	Forced outage Niagara 230/115 kV Bk (#T1)
	5/28/2014	13,14	Forced outage Chategauy DC Pole 1
	5/28/2014	9-16	Derate Niagara-Packard 230kV (#61) for I/o TWR:Niagara-Packard 230kV (#62) & Beck-Packard 230kV (#BP76)
	5/28/2014	8-11,13,15	Derate Niagara-Packard 230kV (#62) for I/o TWR:NIAGARA 61 & 64
	5/28/2014	15	Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Niagara-Packard 230kV (#61>)
	5/29/2014	8-21	Forced outage Niagara 230/115 kV Bk (#T1)
	5/29/2014	20	Forced outage Chategauy DC Pole 1
	5/29/2014	8,11-15,17-20	Derate Niagara-Packard 230kV (#61) for I/o TWR:Niagara-Packard 230kV (#62) & Beck-Packard 230kV (#BP76)
	5/29/2014	8-21	Derate Niagara-Packard 230kV (#62) for I/o TWR:NIAGARA 61 & 64
	5/29/2014	8-10,16	IESO_AC-NY Scheduling Limit
	5/29/2014	17-19	Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Niagara-Packard 230kV (#61>)

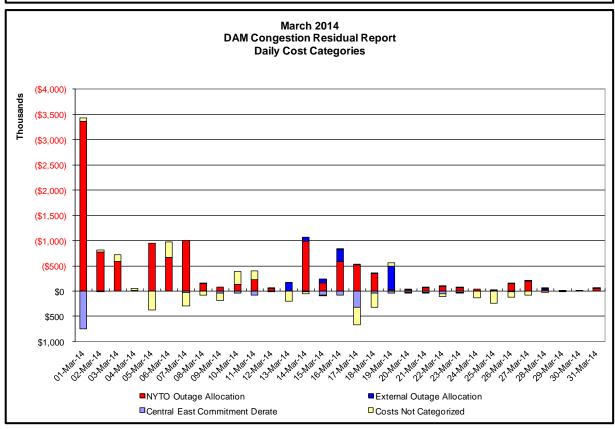
Keal-I ime Balani	cing Market Con	gestion Residual (Uplift Cost) Cate	<u>·gories</u>
<u>Category</u> Storm Watch	Cost Assignment Zone J	<u>Events Types</u> Thunderstorm Alert (TSA)	<u>Event Examples</u> TSA Activations
Unscheduled Transmission Outage	Market-wide	Reduction in DAM to RTM transfers related to unscheduled transmission outage	Forced Line Outage, Unit AVR Outages
Interface Derate - NYISO Security	Market-wide	Reduction in DAM to RTM transfers not related to transmission outage	Interface Derates due to RTM voltages
Interface Derate - External Security	Market-wide	Reduction in DAM to RTM transfers related to External Control Area Security Events	TLR Events, External Transaction Curtailments
Unscheduled Loop Flows	Market-wide	Changes in DAM to RTM unscheduled loop flows impacting NYISO Interface transmission constraints	DAM to RTM Clockwise Lake Erie Loop Flows greater than 125 MW
M2M Settlement	Market-wide	Settlment result inclusive of coordinated redispatch and Ramapo flowgates	

- 2) Days with a value of BMCR less M2M Settlement of \$100K/HR, shortfall of \$200K/Day or more, or surplus of \$100K/Day or more are investigated.

 3) Uplift costs associated with multiple event types are apportioned equally by hour



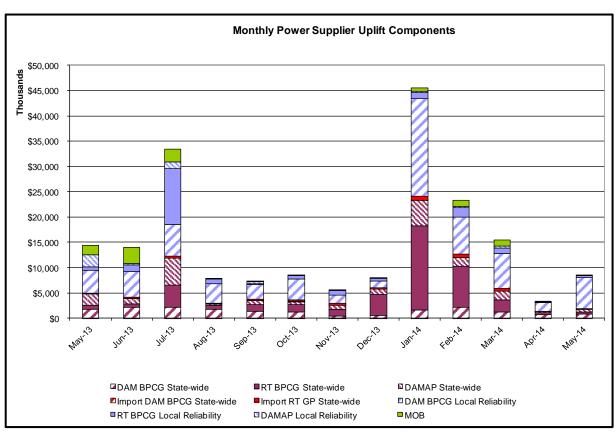


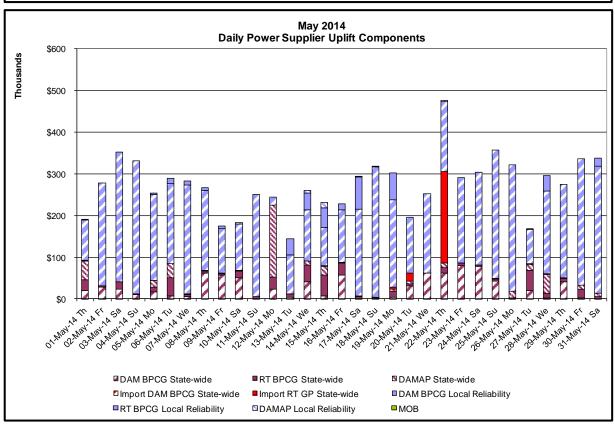




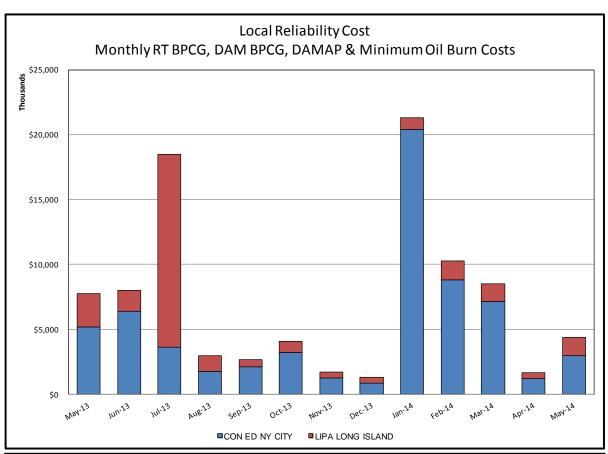
Day	-Ahead Market Co	ngestion Residual Categories	
<u>Category</u> NYTO Outage Allocation	<u>Cost Assignment</u> Responsible TO	Events Types Direct allocation to NYTO's responsible for transmission equipment status change.	Event Examples DAM scheduled outage for equipment modeled inservice for the TCC Auction.
External Outage Allocation	All TO by Monthly Allocation Factor	Direct allocation to transmission equipment status change caused by change in status of external equipment.	Tie line required out-of- service by TO of neighboring control area.
Central East Commitment Derate	All TO by Monthly Allocation Factor	Reductions in the DAM Central East_VC limit as compared to the TCC Auction limit, which are not associated with transmission line outages.	

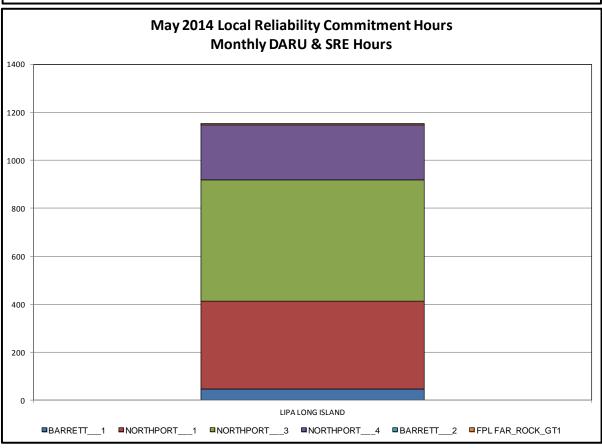




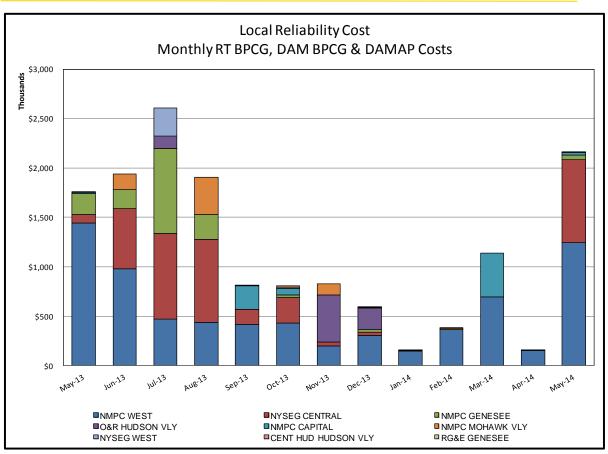


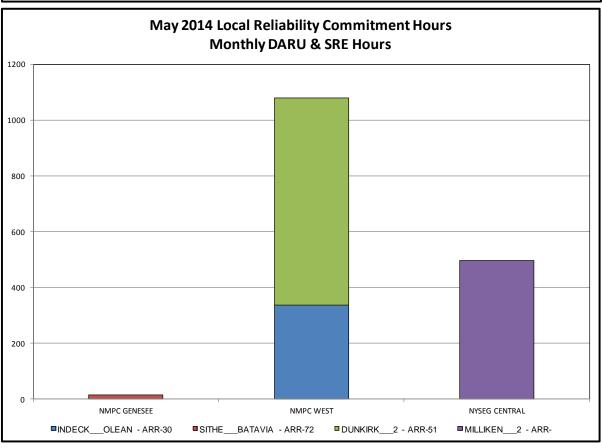




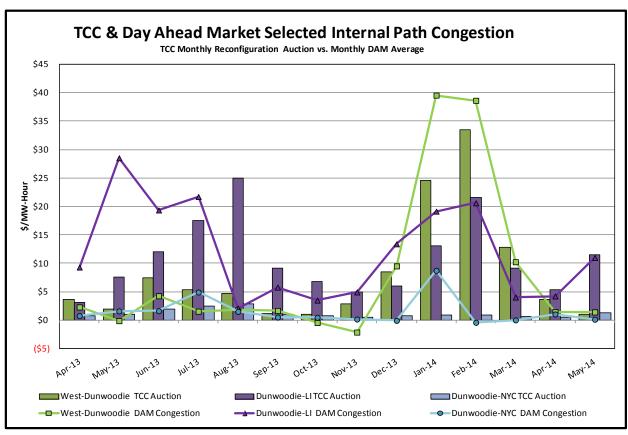


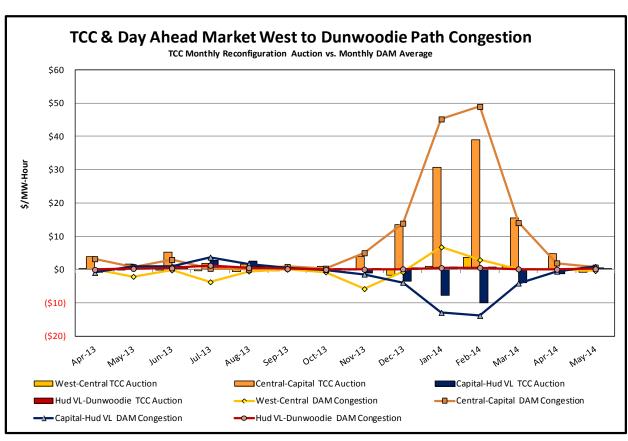




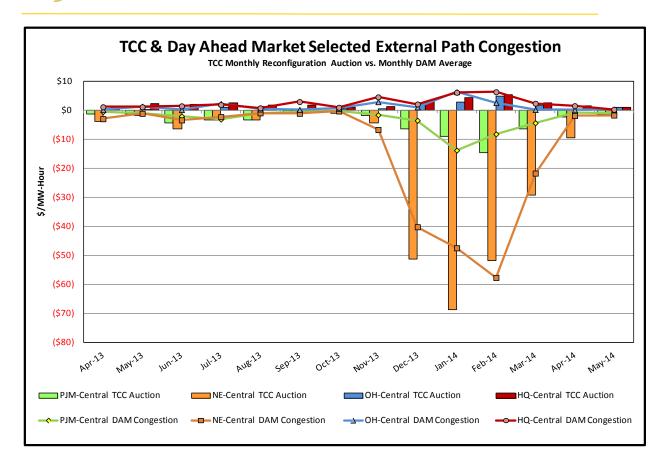




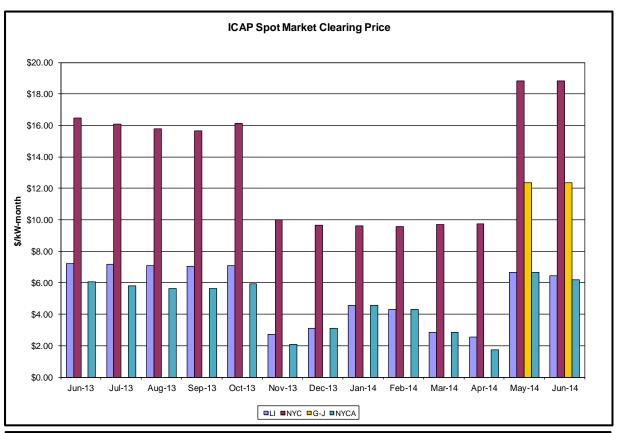


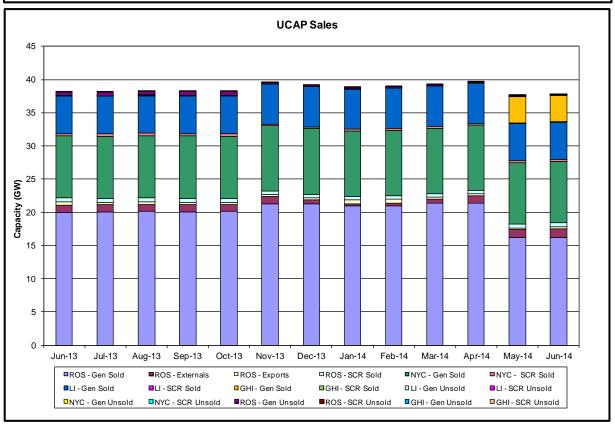










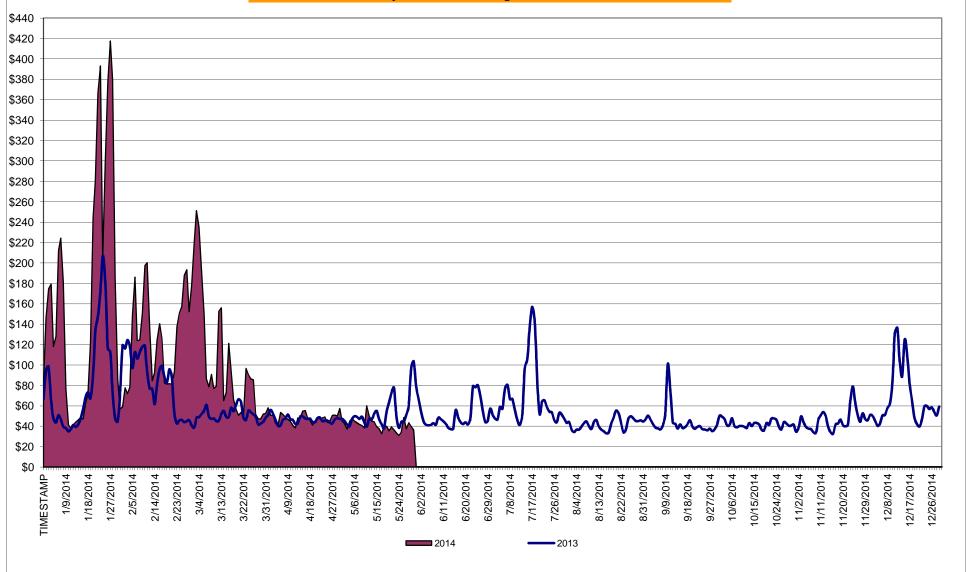


Market Performance Highlights for May 2014

- LBMP for May is \$40.29/MWh; 13% lower than \$46.08/MWh in April 2014 and 23% lower than \$52.21/MWh in May 2013.
 - Day Ahead and Real Time Load Weighted LBMPs are lower compared to April.
- May 2014 average year-to-date monthly cost of \$108.12/MWh is a 65% increase from \$65.46/MWh in May 2013.
- Average daily sendout is 391 GWh/day in May; comparable to 390 GWh/day in April 2014 and lower than 407 GWh/day in May 2013.
- Natural gas and distillate prices were lower compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$3.46/MMBtu, down 16% from \$4.12/MMBtu in April.
 - Jet Kerosene Gulf Coast was \$21.25/MMBtu, down from \$21.42/MMBtu in April.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$20.98/MMBtu, down from \$21.15/MMBtu in April.
- Uplift per MWh is higher compared to the previous month.
 - Uplift (not including NYISO cost of operations) is \$0.07/MWh; higher than (\$0.09)/MWh in April.
 - The Local Reliability Share is \$0.51/MWh, higher than \$0.15 in April.
 - The Statewide Share is (\$0.44)/MWh, lower than (\$0.24)/MWh in April.
 - TSA \$ per NYC MWh is \$0.0028/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than April.

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

2013 Annual Average \$59.13/MWh May 2013 YTD Average \$65.46/MWh May 2014 YTD Average \$108.12/MWh



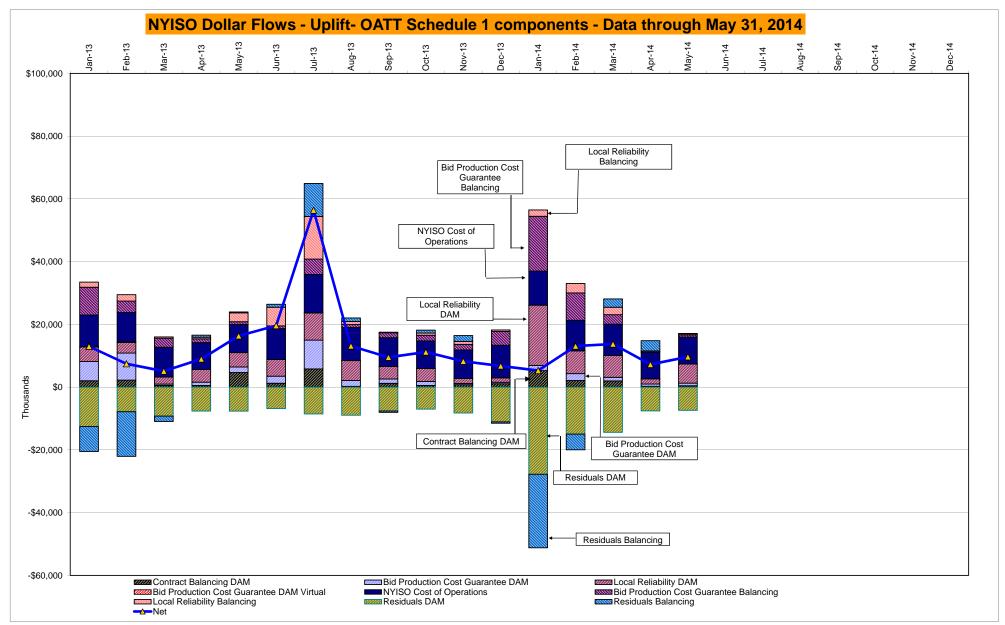
^{*} Excludes ICAP payments.

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

2014	lamam.	Га р ш.аш.	Manak	ι: س م	Mari	l	la de c	A	Cantanahan	Ostaban	Navanahan	Danamhan
	January	February	March	April	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP NTAC	183.25	123.16	109.57	46.08 1.18	40.29							
Reserve	0.56 0.78	0.64 0.49	0.39 0.56	0.46	0.69 0.28							
Regulation	0.27	0.21	0.22	0.13	0.12							
NYISO Cost of Operations	0.69	0.69	0.69	0.69	0.69							
Uplift	(0.36)	0.25	0.26	(0.09)	0.07							
Uplift: Local Reliability Share	1.38	0.73	0.64	0.15	0.51							
Uplift: Statewide Share	(1.73)	(0.49)	(0.38)	(0.24)	(0.44)							
Voltage Support and Black Start	0.36	0.36	0.36	0.36	0.36							
Avg Monthly Cost	185.55	125.81	112.06	48.82	42.50							
Avg YTD Cost	185.55	157.40	142.40	121.69	108.12							
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.00							
2013	January	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	79.77	85.76	48.94	44.47	52.21	50.17	68.49	40.81	44.24	39.85	43.30	66.41
NTAC	0.79	0.83	0.76	0.90	0.85	0.86	0.66	0.28	0.57	0.87	1.08	0.59
Reserve	0.38	0.44	0.43	0.36	0.49	0.34	0.50	0.32	0.38	0.42	0.38	0.44
Regulation	0.13	0.13	0.43	0.11	0.43	0.13	0.11	0.13	0.13	0.42	0.13	0.12
NYISO Cost of Operations	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Uplift	0.03	(0.15)	(0.33)	0.03	0.41	0.49	2.06	0.03	(0.05)	0.03	(0.07)	(0.25)
Uplift: Local Reliability Share	0.44	0.40	0.19	0.37	0.58	0.43	1.27	0.49	0.31	0.18	0.19	0.12
Uplift: Statewide Share	(0.23)	(0.55)	(0.52)	(0.35)	(0.17)	(0.31)	0.79	(0.46)	(0.36)	(0.19)	(0.25)	(0.37)
Voltage Support and Black Start	0.23)	0.36	0.36	0.36	0.36	0.36	0.75	0.36	0.36	0.36	0.36	0.36
Avg Monthly Cost	82.34	88.06	50.96	46.91	55.10	53.05	72.87	42.62	46.31	42.54	45.88	68.36
Avg YTD Cost	82.34	85.08	74.02	67.80	65.46	63.36	65.10	62.27	60.74	59.30	58.24	59.13
TSA \$ per NYC MWh	0.00	0.00	0.00	0.04	0.58	0.61	1.52	0.43	0.22	0.01	0.00	0.00
2012	January	February	March	April	May	June	July	August	September	October	November	December
LBMP	44.00	32.45	28.98	28.31	34.68	47.37	63.80	46.24	39.59	39.30	50.16	44.67
NTAC	0.85	0.80	0.68	0.71	0.72	0.77	0.58	0.65	0.57	0.70	0.75	0.83
Reserve	0.05	0.00	0.38	0.71	0.72	0.77	0.36	0.03	0.37	0.70	0.40	0.26
Regulation	0.10	0.23	0.33	0.32	0.13	0.30	0.30	0.22	0.23	0.29	0.40	0.09
NYISO Cost of Operations	0.64	0.64	0.13	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64	0.64
Uplift	0.44	0.07	0.00	(0.18)	(0.11)	0.61	0.23	0.22	(0.33)	1.04	0.82	(0.11)
Uplift: Local Reliability Share	0.44	0.17	0.19	0.10)	0.11)	0.42	0.49	0.22	0.26	0.67	0.02	0.30
Uplift: Statewide Share		(0.10)				0.42	(0.26)			0.38	0.72	
Voltage Support and Black Start	(0.05) 0.37	0.37	(0.19) 0.37	(0.25) 0.37	(0.36) 0.37	0.19	0.37	(0.61) 0.37	(0.59) 0.37	0.37	0.11	(0.41) 0.37
					_							
Avg Monthly Cost	46.75	34.75	31.19	30.29	36.52	50.27	66.14	48.46	41.17	42.44	53.26	46.74
Avg YTD Cost	46.75	41.12	37.96	36.09	36.18	38.89	44.26	44.91	44.51	44.33	45.14	45.28
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
* Excludes ICAP payments.										Data r	eflects true-ups thi	ru Dec 2013.

* Excludes ICAP payments. Market Mitigation and Analysis Prepared: 6/5/2014 8:26 AM

В



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

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

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

NYISO Markets Transactions

<u>2014</u>	<u>January</u>	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
Day Ahead Market MWh	16,034,264	14,409,515	14,633,570	12,101,747	12,984,458							
DAM LSE Internal LBMP Energy Sales	52%	50%	53%	56%	53%							
DAM External TC LBMP Energy Sales	5%	7%	6%	3%	2%							
DAM Bilateral - Internal Bilaterals	36%	36%	35%	33%	38%							
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	5%	6%	5%							
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	1%	1%	2%	2%							
DAM Bilateral - Wheel Through Bilaterals	1%	1%	1%	0%	1%							
Balancing Energy Market MWh	-240,397	-285,718	-113,985	58,263	-503,552							
Balancing Energy LSE Internal LBMP Energy Sales	-237%	-208%	-298%	-170%	-134%							
Balancing Energy External TC LBMP Energy Sales	109%	80%	99%	191%	22%							
Balancing Energy Bilateral - Internal Bilaterals	21%	28%	70%	26%	3%							
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	13%	0%	3%							
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	11%	6%	26%	63%	5%							
Balancing Energy Bilateral - Wheel Through Bilaterals	-5%	-6%	-11%	-11%	1%							
Transactions Summary												
LBMP	56%	56%	57%	59%	53%							
Internal Bilaterals	37%	37%	36%	33%	39%							
Import Bilaterals	5%	5%	5%	6%	5%							
Export Bilaterals	2%	1%	2%	2%	2%							
Wheels Through	1%	1%	1%	0%	1%							
Market Share of Total Load												
Day Ahead Market	101.5%	102.0%	100.8%	99.5%	104.0%							
Balancing Energy +	-1.5%	-2.0%	-0.8%	0.5%	-4.0%							
Total MWH	15,793,868	14,123,796	14,519,586	12,160,010	12,480,906							
Average Daily Energy Sendout/Month GWh	475	460	440	390	391							
2013	January	February	March	April	May	June	<u>July</u>	August	September	October	November	December
Day Ahead Market MWh	15,140,096	14.116.189	14,250,091	12.963.905	13,451,310	14,872,971	17,974,314	16,090,437		13,411,499	13,692,854	15.406.816
DAM LSE Internal LBMP Energy Sales	56%	55%	56%	57%	56%	57%	59%	57%	55%	51%	52%	52%
DAM External TC LBMP Energy Sales	4%	6%	3%	3%	1%	1%	1%	0%	0%	0%	3%	6%
DAM Bilateral - Internal Bilaterals	38%	37%	38%	37%	37%	36%	33%	36%	38%	41%	40%	36%
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	3%	4%	5%	5%	4%	5%	4%	4%
DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	2%	1%
DAM Bilateral - Wheel Through Bilaterals	1%	1%	1%	1%	1%	1%	1%	1%	1%		40/	1%
Balancing Energy Market MWh	-471.167							1 /0	1 /0	1%	1%	
Balancing Energy LSE Internal LBMP Energy Sales		-648.574	-501.253	-525.278	-501.948					1%_ -694.291	-579.298	-531.521
	-131%	-648,574 -117%	-501,253 -127%	-525,278 -123%	-501,948 -133%	-669,315 -115%	-294,946 -189%	-915,232 -113%	-759,051 -120%			-531,521 -130%
Balancing Energy External TC LBMP Energy Sales	-131%	-117%	,		,	-669,315	-294,946	-915,232	-759,051	-694,291	-579,298	-130%
Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals	, -		-127%	-123%	-133%	-669,315 -115%	-294,946 -189%	-915,232 -113%	-759,051 -120%	-694,291 -122%	-579,298 -134%	,-
Balancing Energy Bilateral - Internal Bilaterals	-131% 33%	-117% 20%	-127% 23%	-123% 21%	-133% 35%	-669,315 -115% 16%	-294,946 -189% 78%	-915,232 -113% 9%	-759,051 -120% 11%	-694,291 -122% 13%	-579,298 -134% 23%	-130% 16%
Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	-131% 33% 4%	-117% 20% 10%	-127% 23% 11%	-123% 21% 3%	-133% 35% 5%	-669,315 -115% 16% 4%	-294,946 -189% 78% 11%	-915,232 -113% 9% 3%	-759,051 -120% 11% 6%	-694,291 -122% 13% 5%	-579,298 -134% 23% 4%	-130% 16% 13%
Balancing Energy Bilateral - Internal Bilaterals	-131% 33% 4% 0%	-117% 20% 10% 0%	-127% 23% 11% 0%	-123% 21% 3% 0%	-133% 35% 5% 0%	-669,315 -115% 16% 4% 1%	-294,946 -189% 78% 11% 4%	-915,232 -113% 9% 3% 0%	-759,051 -120% 11% 6% 0%	-694,291 -122% 13% 5% 0%	-579,298 -134% 23% 4% 0%	-130% 16% 13% 0%
Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals	-131% 33% 4% 0% 5%	-117% 20% 10% 0% 3%	-127% 23% 11% 0% 4%	-123% 21% 3% 0% 5%	-133% 35% 5% 0% 4%	-669,315 -115% 16% 4% 1% 2%	-294,946 -189% 78% 11% 4% 3%	-915,232 -113% 9% 3% 0% 1%	-759,051 -120% 11% 6% 0% 2%	-694,291 -122% 13% 5% 0% 3%	-579,298 -134% 23% 4% 0% 7%	-130% 16% 13% 0% 5%
Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	-131% 33% 4% 0% 5%	-117% 20% 10% 0% 3%	-127% 23% 11% 0% 4%	-123% 21% 3% 0% 5%	-133% 35% 5% 0% 4%	-669,315 -115% 16% 4% 1% 2%	-294,946 -189% 78% 11% 4% 3%	-915,232 -113% 9% 3% 0% 1%	-759,051 -120% 11% 6% 0% 2%	-694,291 -122% 13% 5% 0% 3%	-579,298 -134% 23% 4% 0% 7%	-130% 16% 13% 0% 5%
Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary	-131% 33% 4% 0% 5% -11%	-117% 20% 10% 0% 3% -16%	-127% 23% 11% 0% 4% -11%	-123% 21% 3% 0% 5% -6%	-133% 35% 5% 0% 4% -11%	-669,315 -115% 16% 4% 1% 2% -9%	-294,946 -189% 78% 11% 4% 3% -7%	-915,232 -113% 9% 3% 0% 1% 0%	-759,051 -120% 11% 6% 0% 2% 1%	-694,291 -122% 13% 5% 0% 3% 0%	-579,298 -134% 23% 4% 0% 7% 1%	-130% 16% 13% 0% 5% -4%
Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP	-131% 33% 4% 0% 5% -11%	-117% 20% 10% 0% 3% -16%	-127% 23% 11% 0% 4% -11%	-123% 21% 3% 0% 5% -6%	-133% 35% 5% 0% 4% -11%	-669,315 -115% 16% 4% 1% 2% -9%	-294,946 -189% 78% 11% 4% 3% -7%	-915,232 -113% 9% 3% 0% 1% 0%	-759,051 -120% 11% 6% 0% 2% 1%	-694,291 -122% 13% 5% 0% 3% 0%	-579,298 -134% 23% 4% 0% 7% 1%	-130% 16% 13% 0% 5% -4%
Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals	-131% 33% 4% 0% 5% -11% 59% 39%	-117% 20% 10% 0% 3% -16% 59% 39%	-127% 23% 11% 0% 4% -11% 58% 40%	-123% 21% 3% 0% 5% -6% 59% 39%	-133% 35% 5% 0% 4% -11% 55% 39%	-669,315 -115% 16% 4% 1% 2% -9% 56% 38%	-294,946 -189% 78% 11% 4% 3% -7% 59% 34%	-915,232 -113% 9% 3% 0% 1% 0% 54% 39%	-759,051 -120% 111% 6% 0% 2% 1% 53% 41%	-694,291 -122% 13% 5% 0% 3% 0% 49% 43%	-579,298 -134% 23% 4% 0% 7% 1%	-130% 16% 13% 0% 5% -4% 56% 38%
Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals	-131% 33% 4% 0% 5% -11% 59% 39% 0%	-117% 20% 10% 0% 3% -16% 59% 39% 0%	-127% 23% 11% 0% 4% -11% 58% 40% 0%	-123% 21% 3% 0% 5% -6% 59% 39% 0%	-133% 35% 5% 0% 4% -11% 55% 39% 4%	-669,315 -115% 16% 4% 1% 2% -9% 56% 38% 4%	-294,946 -189% 78% 11% 4% 3% -7% 59% 34% 5%	-915,232 -113% 9% 3% 0% 1% 0% 54% 39% 5%	-759,051 -120% 11% 6% 0% 2% 1% 53% 41% 4%	-694,291 -122% 13% 5% 0% 3% 0% 49% 43% 6%	-579,298 -134% 23% 4% 0% 7% 11% 52% 41% 4%	-130% 16% 13% 0% 5% -4% 56% 38% 4%
Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals	-131% 33% 4% 0% 5% -11% 59% 39% 0% 1%	-117% 20% 10% 0% 3% -16% 59% 39% 0%	-127% 23% 11% 0% 4% -11% 58% 40% 0% 2%	-123% 21% 3% 0% 5% -6% 59% 39% 0% 2%	-133% 35% 5% 0% 4% -11% 55% 39% 4% 2%	-669,315 -115% 16% 4% 1% 2% -9% 56% 38% 4%	-294,946 -189% 78% 11% 4% 3% -7% 59% 34% 5% 1%	-915,232 -113% 9% 3% 0% 1% 0% 54% 39% 5%	-759,051 -120% 11% 6% 0% 2% 1% 53% 41% 4% 2%	-694,291 -122% 13% 5% 0% 3% 0% 49% 43% 6% 2%	-579,298 -134% 23% 4% 0% 7% 1% 52% 41% 4% 2%	-130% 16% 13% 0% 5% -4% 56% 38% 4% 2%
Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Wheels Through	-131% 33% 4% 0% 5% -11% 59% 39% 0% 1%	-117% 20% 10% 0% 3% -16% 59% 39% 0%	-127% 23% 11% 0% 4% -11% 58% 40% 0% 2%	-123% 21% 3% 0% 5% -6% 59% 39% 0% 2%	-133% 35% 5% 0% 4% -11% 55% 39% 4% 2%	-669,315 -115% 16% 4% 1% 2% -9% 56% 38% 4%	-294,946 -189% 78% 11% 4% 3% -7% 59% 34% 5% 1%	-915,232 -113% 9% 3% 0% 1% 0% 54% 39% 5%	-759,051 -120% 11% 6% 0% 2% 1% 53% 41% 4% 2%	-694,291 -122% 13% 5% 0% 3% 0% 49% 43% 6% 2%	-579,298 -134% 23% 4% 0% 7% 1% 52% 41% 4% 2%	-130% 16% 13% 0% 5% -4% 56% 38% 4% 2%
Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Wheels Through Market Share of Total Load	-131% 33% 4% 0% 5% -11% 59% 39% 0% 1%	-117% 20% 10% 0% 3% -16% 59% 39% 0% 1%	-127% 23% 11% 0% 4% -11% 58% 40% 0% 2% 1%	-123% 21% 3% 0% 5% -6% 59% 39% 0% 2% 1%	-133% 35% 5% 0% 4% -11% 55% 39% 4% 2% 0%	-669,315 -115% 16% 4% 1% 2% -9% 56% 38% 4% 1%	-294,946 -189% 78% 11% 4% 3% -7% 59% 34% 5% 1%	-915,232 -113% 9% 3% 0% 1% 0% 54% 39% 5% 1%	-759,051 -120% 11% 6% 0% 2% 1% 53% 41% 4% 2% 1%	-694,291 -122% 13% 5% 0% 3% 0% 49% 43% 6% 2% 1%	-579,298 -134% 23% 4% 0% 7% 1% 52% 41% 4% 2% 1%	-130% 16% 13% 0% 5% -4% 56% 38% 4% 2% 1%
Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market	-131% 33% 4% 0% 5% -11% 59% 39% 0% 1% 1%	-117% 20% 10% 0% 3% -16% 59% 39% 0% 1% 0%	-127% 23% 11% 0% 4% -11% 58% 40% 0% 2% 1%	-123% 21% 3% 0% 5% -6% 59% 39% 0% 2% 1%	-133% 35% 5% 0% 4% -11% 55% 39% 4% 2% 0%	-669,315 -115% 16% 4% 1% 2% -9% 56% 38% 4% 1% 104.7%	-294,946 -189% 78% 11% 4% 3% -7% 59% 34% 5% 1% 101.7%	-915,232 -113% 9% 3% 0% 1% 0% 54% 39% 5% 1% 106.0%	-759,051 -120% 11% 6% 0% 2% 1% 53% 41% 4% 2% 1% 105.7% -5.7%	-694,291 -122% 13% 5% 0% 3% 0% 49% 43% 6% 2% 1%	-579,298 -134% 23% 4% 0% 7% 1% 52% 41% 4% 2% 1%	-130% 16% 13% 0% 5% -4% 56% 38% 4% 2% 1%

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

Virtual Transactions are not reflected in this chart.

⁺ 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.

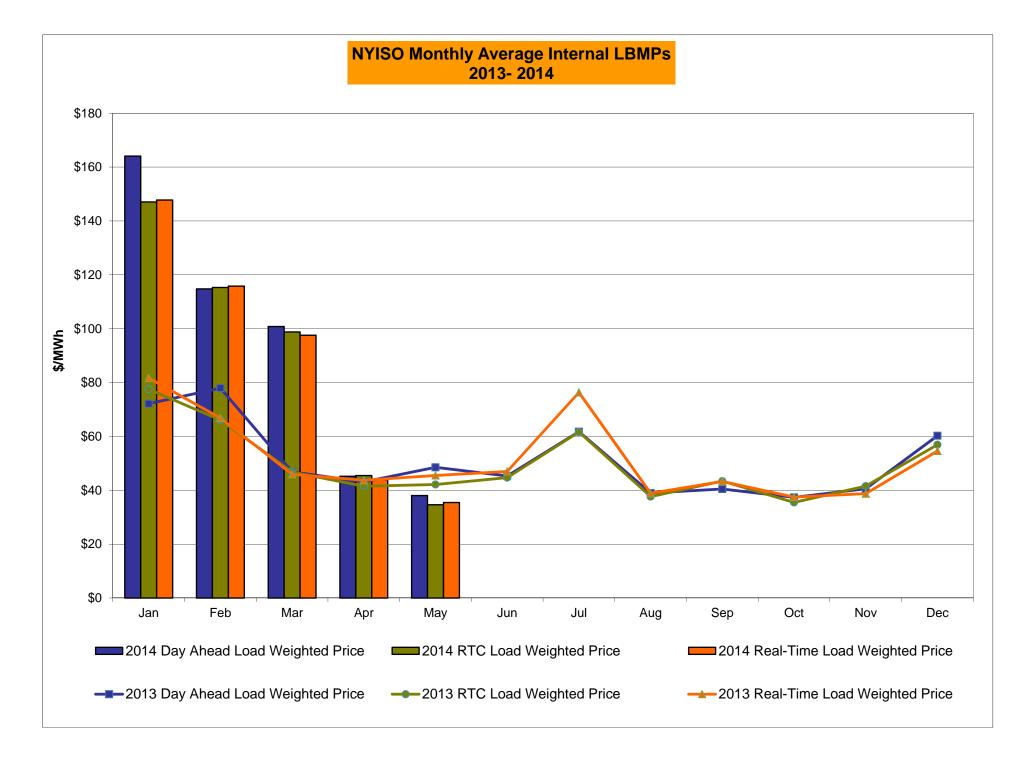
NYISO Markets 2014 Energy Statistics

	January	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August September	October November December
DAY AHEAD LBMP									
Price *	\$155.11	\$110.69	\$97.07	\$44.16	\$36.61				
Standard Deviation	\$121.52	\$50.86	\$59.89	\$8.90	\$10.99				
Load Weighted Price **	\$164.06	\$114.77	\$100.81	\$45.19	\$38.05				
RTC LBMP									
Price *	\$138.41	\$110.71	\$94.71	\$44.00	\$33.16				
Standard Deviation	\$125.42	\$72.22	\$97.72	\$27.44	\$17.51				
Load Weighted Price **	\$147.06	\$115.31	\$98.80	\$45.48	\$34.63				
REAL TIME LBMP									
Price *	\$137.90	\$111.51	\$93.37	\$42.79	\$34.06				
Standard Deviation	\$122.32	\$70.35	\$89.05	\$19.38	\$17.15				
Load Weighted Price **	\$147.77	\$115.80	\$97.58	\$43.97	\$35.46				
Average Daily Energy Sendout/Month GWh	475	460	440	390	391				

NYISO Markets 2013 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	August S	<u>September</u>	October	November I	December
DAY AHEAD LBMP	-								•			
Price *	\$69.17	\$75.82	\$45.97	\$42.21	\$45.87	\$42.66	\$56.90	\$37.19	\$38.32	\$36.15	\$39.18	\$57.72
Standard Deviation	\$47.21	\$29.98	\$9.40	\$7.84	\$18.77	\$17.98	\$37.12	\$11.85	\$15.21	\$9.15	\$13.56	\$28.61
Load Weighted Price **	\$72.17	\$77.95	\$46.85	\$43.13	\$48.52	\$45.32	\$61.77	\$39.00	\$40.47	\$37.37	\$40.58	\$60.27
RTC LBMP												
Price *	\$73.69	\$64.15	\$45.75	\$40.50	\$39.51	\$42.00	\$55.41	\$35.90	\$39.06	\$34.08	\$39.57	\$54.53
Standard Deviation	\$88.27	\$36.96	\$22.62	\$14.79	\$24.44	\$30.96	\$58.54	\$18.35	\$60.70	\$17.38	\$30.77	\$41.66
Load Weighted Price **	\$77.52	\$66.07	\$46.79	\$41.52	\$42.14	\$44.70	\$61.64	\$37.65	\$43.41	\$35.49	\$41.56	\$56.95
REAL TIME LBMP												
Price *	\$76.47	\$64.87	\$45.01	\$42.74	\$42.32	\$43.93	\$65.57	\$37.03	\$39.02	\$36.02	\$37.28	\$52.49
Standard Deviation	\$83.80	\$38.96	\$16.27	\$15.96	\$26.99	\$34.72	\$89.92	\$20.11	\$36.85	\$19.07	\$25.69	\$34.01
Load Weighted Price **	\$81.71	\$66.83	\$45.94	\$43.73	\$45.50	\$47.00	\$76.32	\$38.92	\$43.28	\$37.47	\$38.75	\$54.60
Average Daily Energy Sendout/Month GWh	453	453	429	398	407	469	561	485	438	407	421	450

^{*} Average zonal load weighted prices.
** Average zonal load weighted prices, load weighted in each hour.

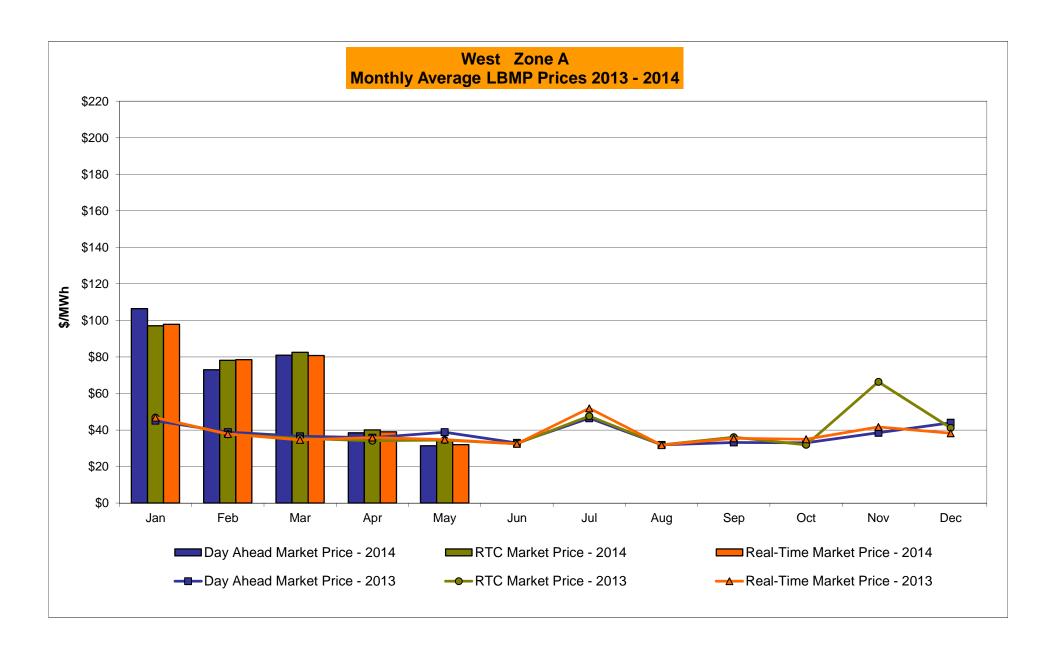


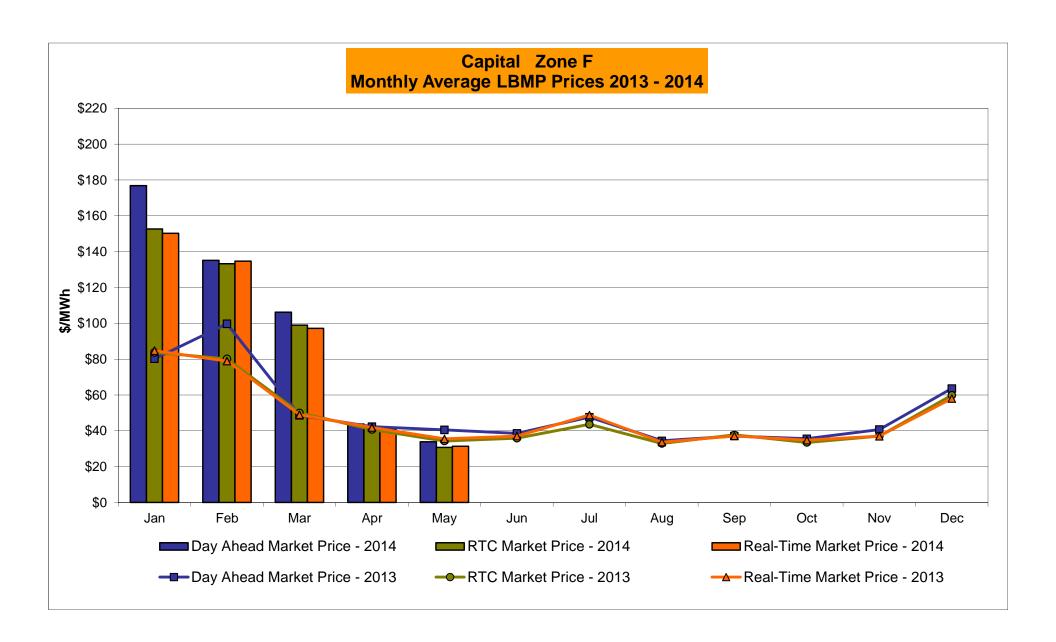
May 2014 Zonal LBMP Statistics for NYISO (\$/MWh)

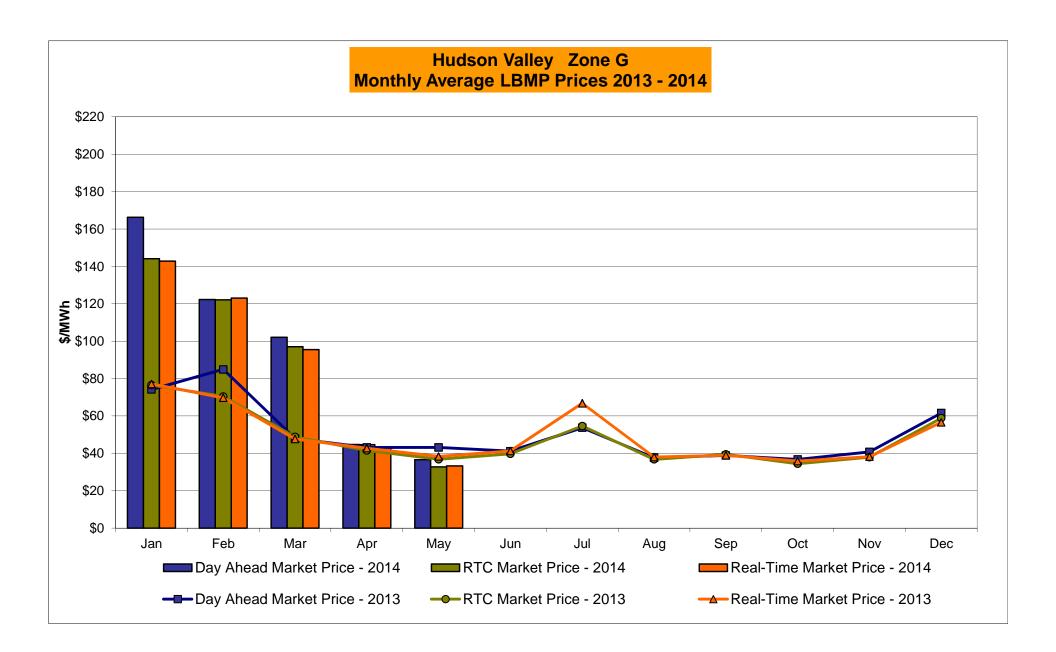
	WEST	GENESEE	NORTH	CENTRAL	MOHAWK VALLEY	CAPITAL	HUDSON VALLEY	MILLWOOD	DUNWOODIE	NEW YORK CITY	LONG ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	Zone I	Zone J	Zone K
DAY AHEAD LBMP											
Unweighted Price *	31.35	31.73	29.40	32.23	32.32	33.91	36.57	36.87	36.93	37.31	48.89
Standard Deviation	8.53	8.32	7.40	8.52	8.55	8.69	10.44	10.73	10.77	10.90	26.58
RTC LBMP											
Unweighted Price *	34.20	29.47	26.59	30.48	29.71	30.76	32.79	32.93	32.94	33.33	39.94
Standard Deviation	51.33	15.36	10.98	17.08	15.70	15.58	17.00	17.07	17.07	17.13	29.73
REAL TIME LBMP											
Unweighted Price *	31.98	29.82	27.40	30.72	30.18	31.35	33.29	33.42	33.45	33.87	45.59
Standard Deviation	35.60	13.61	12.13	14.47	13.52	13.32	15.27	15.48	15.50	15.54	56.82
		HYDRO	HYDRO			CROSS					
	ONTARIO	QUEBEC	QUEBEC	D.114	NEW	SOUND	NORTHPORT-	NERTUNE	LINDENVET	IIIDOON	D
	ONTARIO IESO	QUEBEC	_	РЈМ	NEW ENGLAND	SOUND CABLE	NORWALK	NEPTUNE Controllable	LINDEN VFT	HUDSON	Dennison
	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	Controllable	Controllable	Controllable
DAY AHEAD LBMP	-	QUEBEC	QUEBEC	PJM Zone P		SOUND CABLE	NORWALK	_			
DAY AHEAD LBMP Unweighted Price *	Zone O 30.01	QUEBEC (Wheel) Zone M 30.58	QUEBEC (Import/Export)	Zone P 34.38	ENGLAND Zone N 35.91	SOUND CABLE Controllable Line	NORWALK Controllable	Controllable Line 42.18	Controllable	Controllable	Controllable Line 29.10
	IESO Zone O	QUEBEC (Wheel)	QUEBEC (Import/Export)	Zone P	ENGLAND Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
Unweighted Price *	Zone O 30.01	QUEBEC (Wheel) Zone M 30.58	QUEBEC (Import/Export) Zone M 30.56	Zone P 34.38	ENGLAND Zone N 35.91	SOUND CABLE Controllable Line	NORWALK Controllable Line 40.74	Controllable Line 42.18	Controllable Line 37.08	Controllable Line 37.21	Controllable Line 29.10
Unweighted Price * Standard Deviation	Zone O 30.01	QUEBEC (Wheel) Zone M 30.58	QUEBEC (Import/Export) Zone M 30.56	Zone P 34.38	ENGLAND Zone N 35.91	SOUND CABLE Controllable Line	NORWALK Controllable Line 40.74	Controllable Line 42.18	Controllable Line 37.08	Controllable Line 37.21	Controllable Line 29.10
Unweighted Price * Standard Deviation RTC LBMP	Zone O 30.01 7.62	QUEBEC (Wheel) Zone M 30.58 7.78	QUEBEC (Import/Export) Zone M 30.56 7.76	Zone P 34.38 9.47	Zone N 35.91 9.28	SOUND CABLE Controllable Line 43.73 18.71	NORWALK Controllable Line 40.74 11.13	Controllable Line 42.18 17.56	Controllable Line 37.08 10.60	Controllable Line 37.21 10.91	Controllable Line 29.10 7.19
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price *	30.01 7.62	QUEBEC (Wheel) Zone M 30.58 7.78	QUEBEC (Import/Export) Zone M 30.56 7.76	Zone P 34.38 9.47 30.78	Zone N 35.91 9.28	SOUND CABLE Controllable Line 43.73 18.71	NORWALK Controllable Line 40.74 11.13	2.18 42.18 17.56	27.08 37.08 10.60	37.21 10.91	29.10 7.19
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	30.01 7.62	QUEBEC (Wheel) Zone M 30.58 7.78	QUEBEC (Import/Export) Zone M 30.56 7.76	Zone P 34.38 9.47 30.78	Zone N 35.91 9.28	SOUND CABLE Controllable Line 43.73 18.71	NORWALK Controllable Line 40.74 11.13	2.18 42.18 17.56	27.08 37.08 10.60	37.21 10.91	29.10 7.19

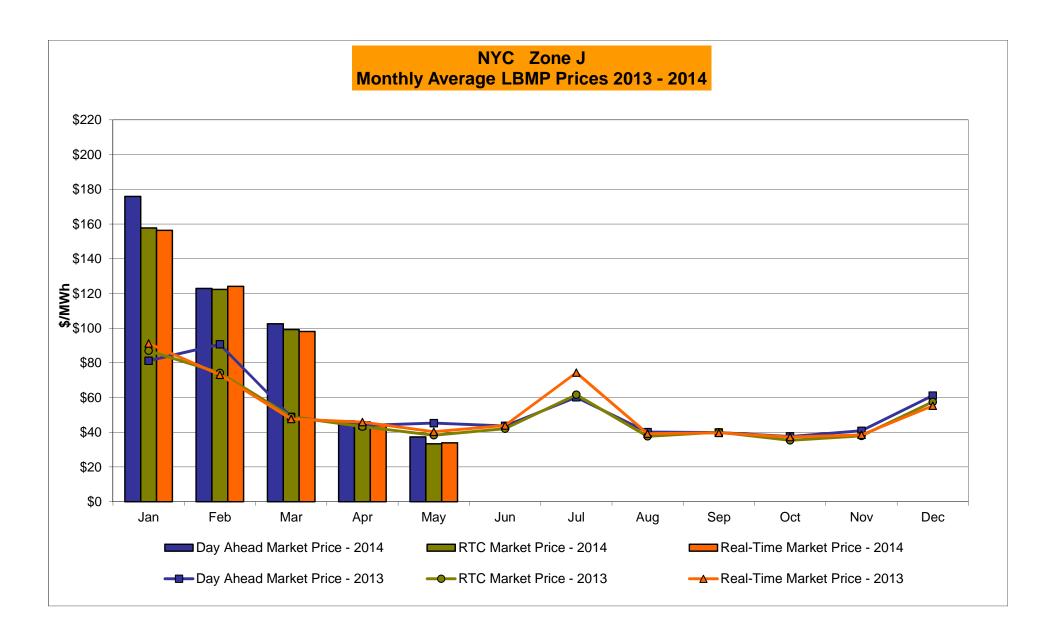
Market Mitigation and Analysis Prepared: 6/9/2014 9:34 AM

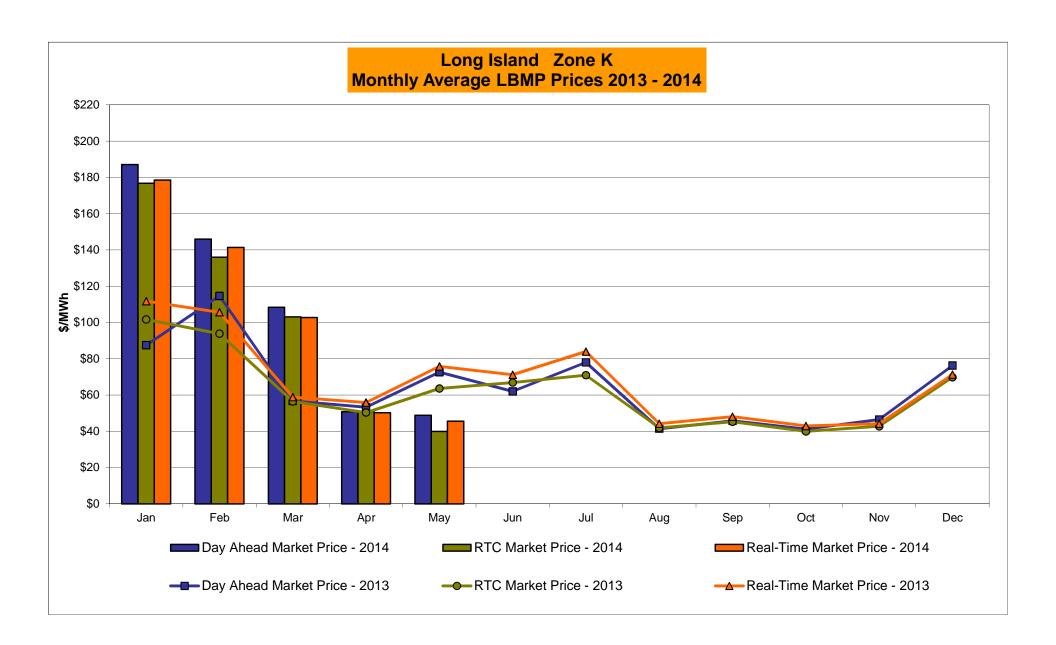
^{*} Straight LBMP averages

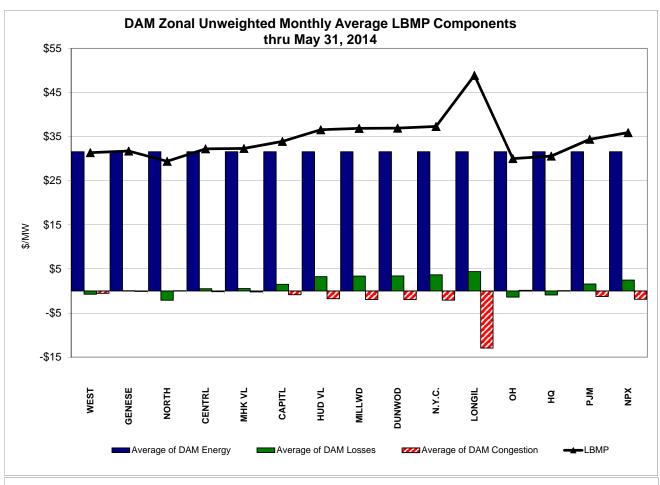


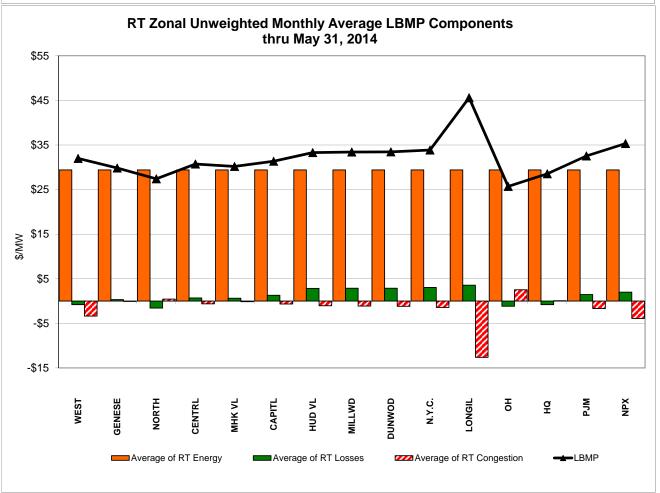




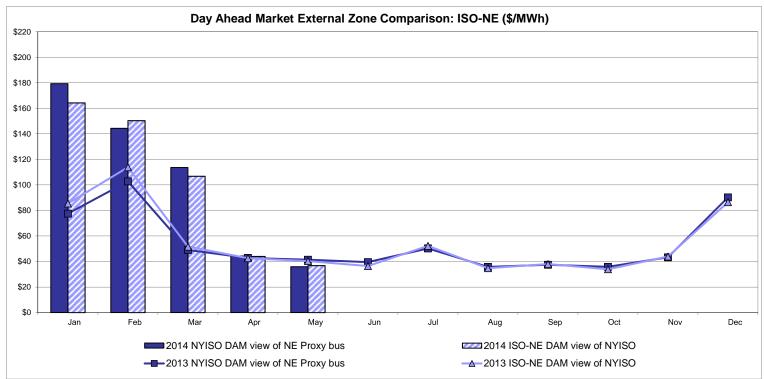


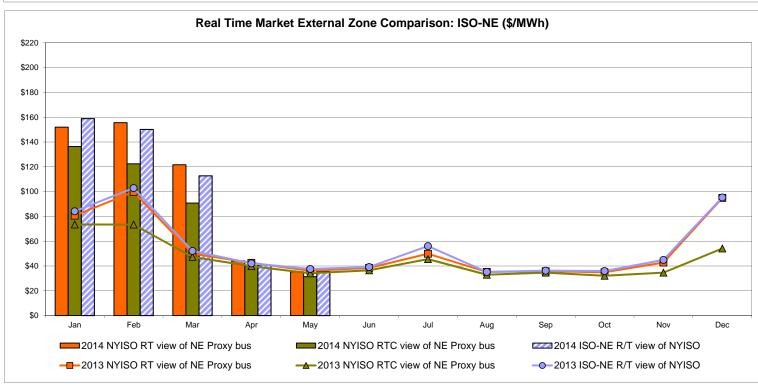




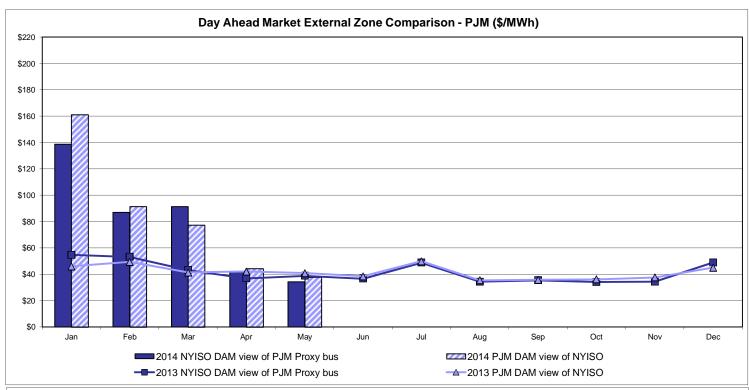


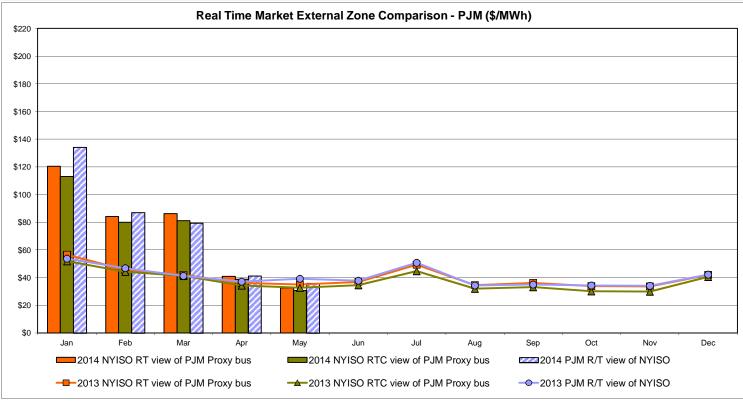
External Comparison ISO-New England



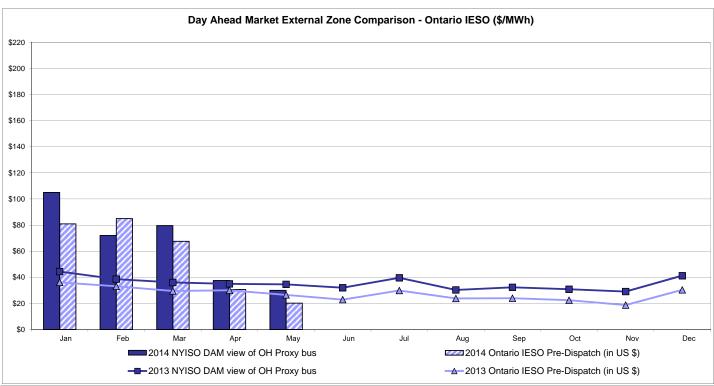


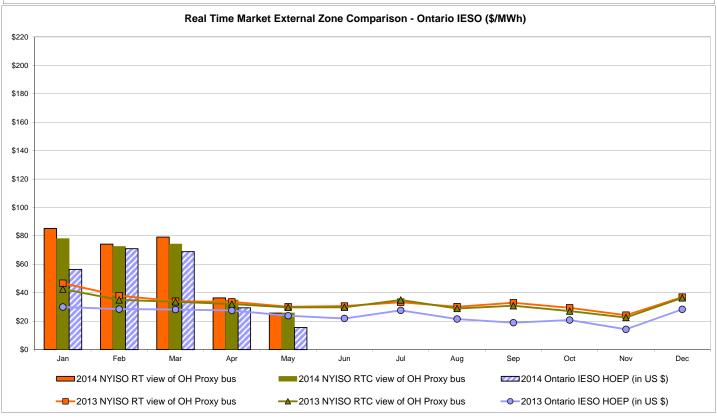
External Comparison PJM





External Comparison Ontario IESO

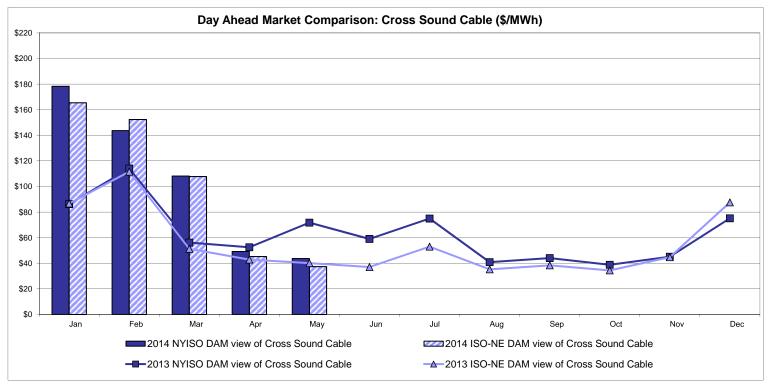


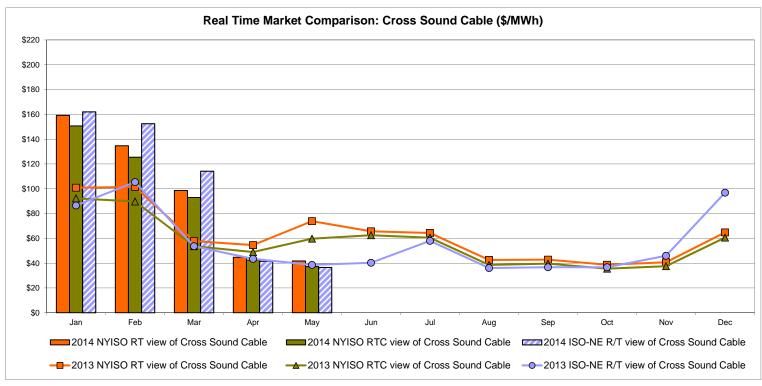


Notes: Exchange factor used for May 2014 was 0.9180 to US \$

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

External Controllable Line: Cross Sound Cable (New England)





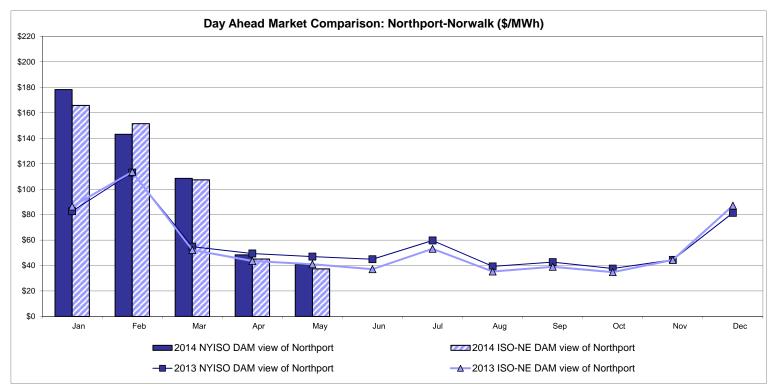
Note:

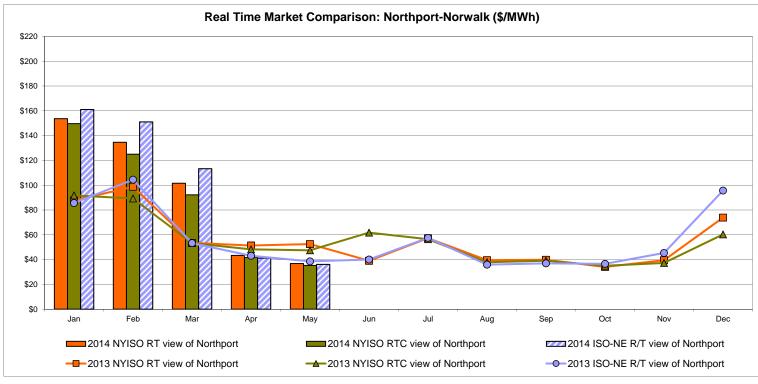
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

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

External Controllable Line: Northport - Norwalk (New England)





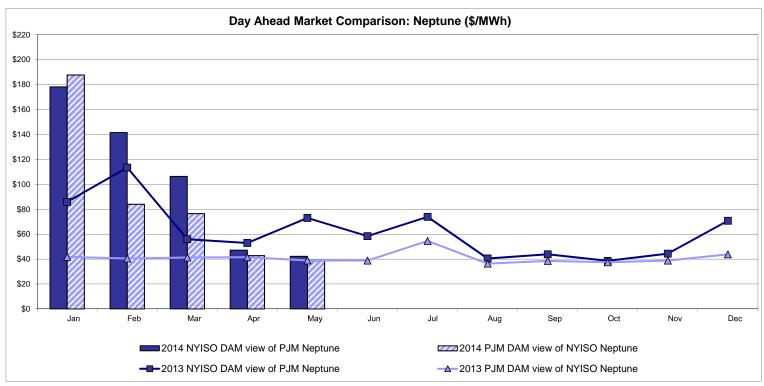
Note:

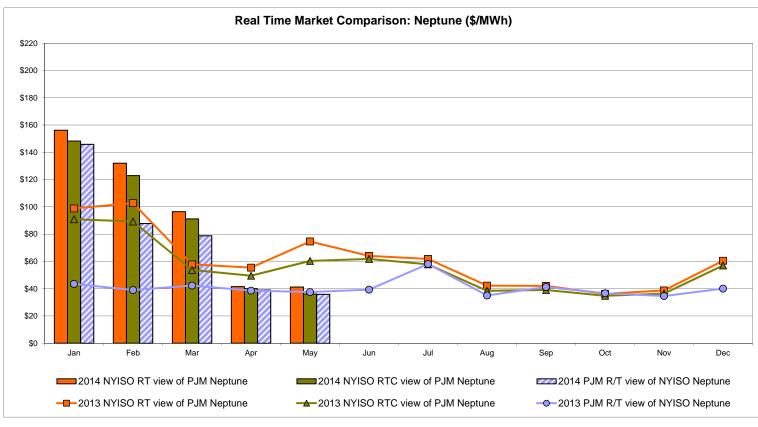
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

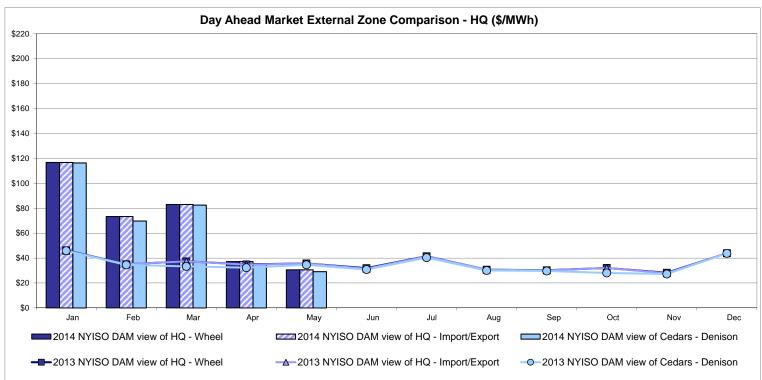
The DAM and R/T prices at the 1385 interface are used for NYISO.

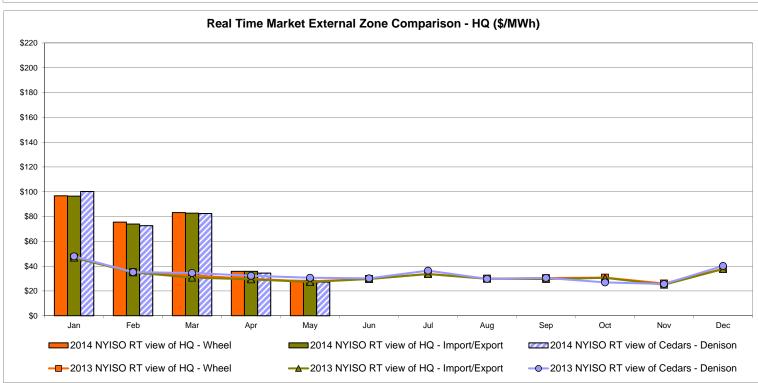
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

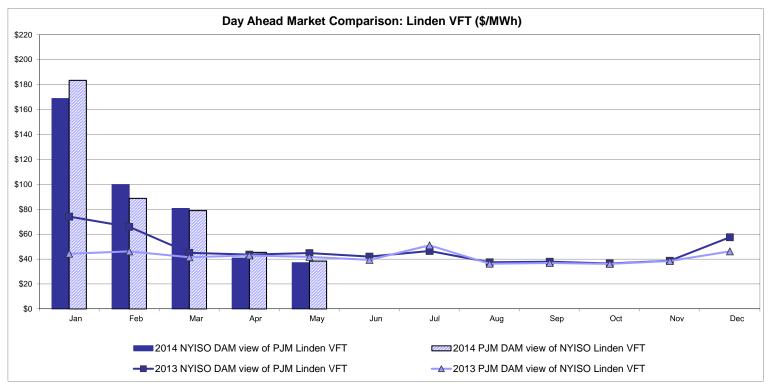


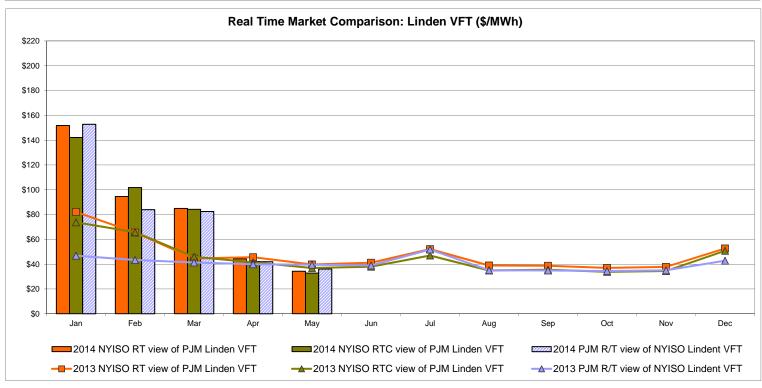


Note:

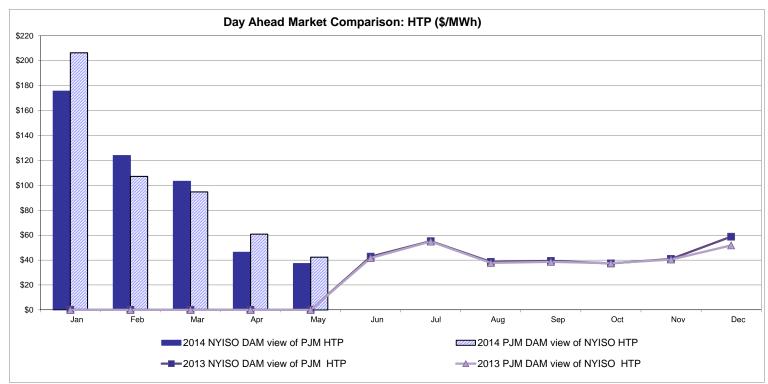
Hydro-Quebec Prices are unavailable.

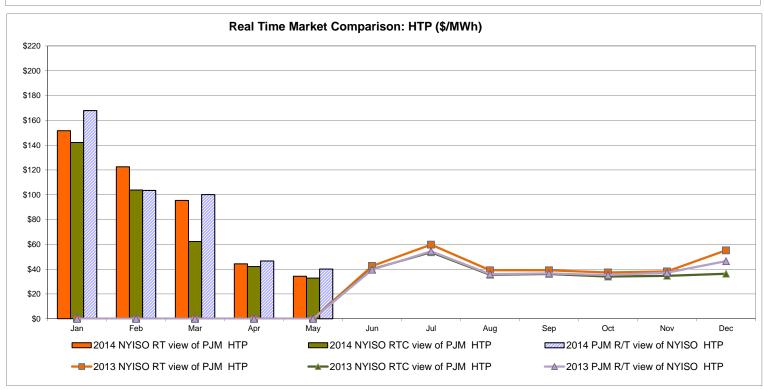
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)



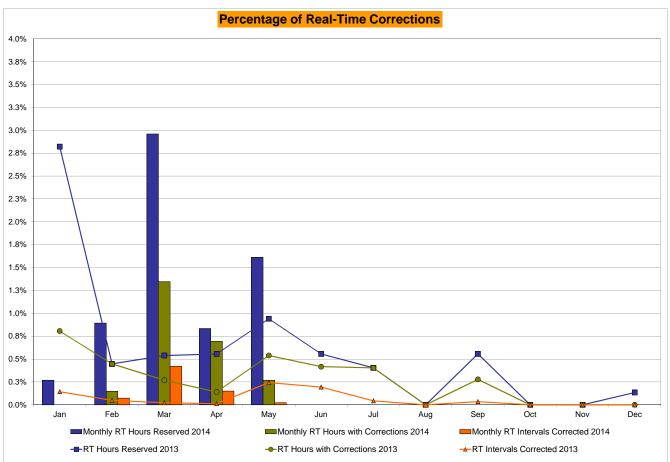


NYISO Real Time Price Correction Statistics

<u>2014</u>		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	October	November	<u>December</u>
Hour Corrections													
Number of hours with corrections	in the month	0	1	10	5	2							
Number of hours	in the month	744	672	743	720	744							
% of hours with corrections	in the month	0.00%	0.15%	1.35%	0.69%	0.27%							
% of hours with corrections	year-to-date	0.00%	0.07%	0.51%	0.56%	0.50%							
Interval Corrections													
Number of intervals corrected	in the month	0	6	38	13	2							
Number of intervals	in the month	9,232	8,205	9,023	8,720	9,030							
% of intervals corrected	in the month	0.00%	0.07%	0.42%	0.15%	0.02%							
% of intervals corrected	year-to-date	0.00%	0.03%	0.17%	0.16%	0.13%							
Hours Reserved													
Number of hours reserved	in the month	2	6	22	6	12							
Number of hours	in the month	744	672	743	720	744							
% of hours reserved	in the month	0.27%	0.89%	2.96%	0.83%	1.61%							
% of hours reserved		0.27%	0.56%	1.39%	4.050/	1.32%							
Days to Correction *	year-to-date	0.27%	0.56%	1.39%	1.25%	1.32%							
	in the month	0.00	3.00	1.00	1.00	0.00							
Avg. number of days to correction		0.00		1.50	1.33	1.00							
Avg. number of days to correction Days Without Corrections	year-to-date	0.00	3.00	1.50	1.33	1.00							
Days without corrections Days without corrections	in the month	31	27	28	28	29							
		31	27 58	28 86	∠8 114	29 143							
Days without corrections	year-to-date	31	30	00	114	143							
2013		January	February	March	April	Mav	June	Julv	August	September	October	November	December
2013 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	December
Hour Corrections	in the month		<u>-</u>		<u>April</u> 1						· ·		
Hour Corrections Number of hours with corrections	in the month	6	3	2	1	4	3	3	0	2	0	0	0
Hour Corrections	in the month	6 744	3 672	2 743	1 720		3 720	3 744		2 720	0 744	0 721	0 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	6 744 0.81%	3 672 0.45%	2 743 0.27%	1 720 0.14%	4 744 0.54%	3 720 0.42%	3 744 0.40%	0 744 0.00%	2 720 0.28%	0 744 0.00%	0 721 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	6 744	3 672	2 743	1 720	4 744	3 720	3 744	0 744	2 720	0 744	0 721	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	6 744 0.81% 0.81%	3 672 0.45% 0.64%	2 743 0.27% 0.51%	1 720 0.14% 0.42%	4 744 0.54% 0.44%	3 720 0.42% 0.44%	3 744 0.40% 0.43%	0 744 0.00% 0.38%	2 720 0.28% 0.37%	0 744 0.00% 0.33%	0 721 0.00% 0.30%	0 744 0.00% 0.27%
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	6 744 0.81% 0.81%	3 672 0.45% 0.64%	2 743 0.27% 0.51%	1 720 0.14% 0.42%	4 744 0.54% 0.44%	3 720 0.42% 0.44%	3 744 0.40% 0.43%	0 744 0.00% 0.38%	2 720 0.28% 0.37%	0 744 0.00% 0.33%	0 721 0.00% 0.30%	0 744 0.00% 0.27%
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	6 744 0.81% 0.81% 13 9,104	3 672 0.45% 0.64% 4 8,230	2 743 0.27% 0.51% 2 9,026	1 720 0.14% 0.42% 1 8,727	4 744 0.54% 0.44% 22 9,083	3 720 0.42% 0.44% 17 8,740	3 744 0.40% 0.43% 4 9,079	0 744 0.00% 0.38% 0 9,002	2 720 0.28% 0.37% 3 8,760	0 744 0.00% 0.33%	0 721 0.00% 0.30% 0 8,854	0 744 0.00% 0.27% 0 9,073
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	6 744 0.81% 0.81% 13 9,104 0.14%	3 672 0.45% 0.64% 4 8,230 0.05%	2 743 0.27% 0.51% 2 9,026 0.02%	1 720 0.14% 0.42% 1 8,727 0.01%	4 744 0.54% 0.44% 22 9,083 0.24%	3 720 0.42% 0.44% 17 8,740 0.19%	3 744 0.40% 0.43% 4 9,079 0.04%	0 744 0.00% 0.38% 0 9,002 0.00%	2 720 0.28% 0.37% 3 8,760 0.03%	0 744 0.00% 0.33% 0 9,041 0.00%	0 721 0.00% 0.30% 0 8,854 0.00%	0 744 0.00% 0.27% 0 9,073 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	6 744 0.81% 0.81% 13 9,104	3 672 0.45% 0.64% 4 8,230	2 743 0.27% 0.51% 2 9,026	1 720 0.14% 0.42% 1 8,727	4 744 0.54% 0.44% 22 9,083	3 720 0.42% 0.44% 17 8,740	3 744 0.40% 0.43% 4 9,079	0 744 0.00% 0.38% 0 9,002	2 720 0.28% 0.37% 3 8,760	0 744 0.00% 0.33%	0 721 0.00% 0.30% 0 8,854	0 744 0.00% 0.27% 0 9,073
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved	in the month in the month year-to-date in the month in the month in the month year-to-date	6 744 0.81% 0.81% 13 9,104 0.14%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	6 744 0.81% 0.81% 13 9,104 0.14% 0.14%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	6 744 0.81% 0.81% 13 9,104 0.14% 0.14%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	6 744 0.81% 0.81% 13 9,104 0.14% 0.14%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	6 744 0.81% 0.81% 13 9,104 0.14% 0.14%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	6 744 0.81% 0.81% 13 9,104 0.14% 0.14% 21 744 2.82%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10% 3 672 0.45%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07% 4 743 0.54%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06% 4 720 0.56%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10% 7 744 0.94%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11% 4 720 0.56%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10% 3 744 0.40%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09% 0 744 0.00%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08% 4 720 0.56%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07% 0 744 0.00%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07% 0 721 0.00%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06% 1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	6 744 0.81% 0.81% 13 9,104 0.14% 0.14% 21 744 2.82%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10% 3 672 0.45%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07% 4 743 0.54%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06% 4 720 0.56%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10% 7 744 0.94%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11% 4 720 0.56%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10% 3 744 0.40%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09% 0 744 0.00%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08% 4 720 0.56%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07% 0 744 0.00%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07% 0 721 0.00%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06% 1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction *	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	6 744 0.81% 0.81% 13 9,104 0.14% 0.14% 21 744 2.82% 2.82%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10% 3 672 0.45% 1.69%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07% 4 743 0.54% 1.30%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06% 4 720 0.56% 1.11%	4 744 0.54% 0.44% 22 9,083 0.24% 0.10% 7 744 0.94% 1.08%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11% 4 720 0.56% 0.99%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10% 3 744 0.40% 0.90%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09% 0 744 0.00% 0.79%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08% 4 720 0.56% 0.76%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07% 0 744 0.00% 0.69%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07% 0 721 0.00% 0.62%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06% 1 744 0.13% 0.58%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction Avg. number of days to corrections	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month	6 744 0.81% 0.81% 13 9,104 0.14% 0.14% 21 744 2.82% 2.82%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10% 3 672 0.45% 1.69%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07% 4 743 0.54% 1.30%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06% 4 720 0.56% 1.11% 2.00	4 744 0.54% 0.44% 22 9,083 0.24% 0.10% 7 744 0.94% 1.08%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11% 4 720 0.56% 0.99%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10% 3 744 0.40% 0.90%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09% 0 744 0.00% 0.79%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08% 4 720 0.56% 0.76%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07% 0 744 0.00% 0.69%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07% 0 721 0.00% 0.62%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06% 1 744 0.13% 0.58%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction Avg. number of days to correction Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month	6 744 0.81% 0.81% 13 9,104 0.14% 0.14% 21 744 2.82% 2.82%	3 672 0.45% 0.64% 4 8,230 0.05% 0.10% 3 672 0.45% 1.69%	2 743 0.27% 0.51% 2 9,026 0.02% 0.07% 4 743 0.54% 1.30%	1 720 0.14% 0.42% 1 8,727 0.01% 0.06% 4 720 0.56% 1.11% 2.00	4 744 0.54% 0.44% 22 9,083 0.24% 0.10% 7 744 0.94% 1.08%	3 720 0.42% 0.44% 17 8,740 0.19% 0.11% 4 720 0.56% 0.99%	3 744 0.40% 0.43% 4 9,079 0.04% 0.10% 3 744 0.40% 0.90%	0 744 0.00% 0.38% 0 9,002 0.00% 0.09% 0 744 0.00% 0.79%	2 720 0.28% 0.37% 3 8,760 0.03% 0.08% 4 720 0.56% 0.76%	0 744 0.00% 0.33% 0 9,041 0.00% 0.07% 0 744 0.00% 0.69%	0 721 0.00% 0.30% 0 8,854 0.00% 0.07% 0 721 0.00% 0.62%	0 744 0.00% 0.27% 0 9,073 0.00% 0.06% 1 744 0.13% 0.58%

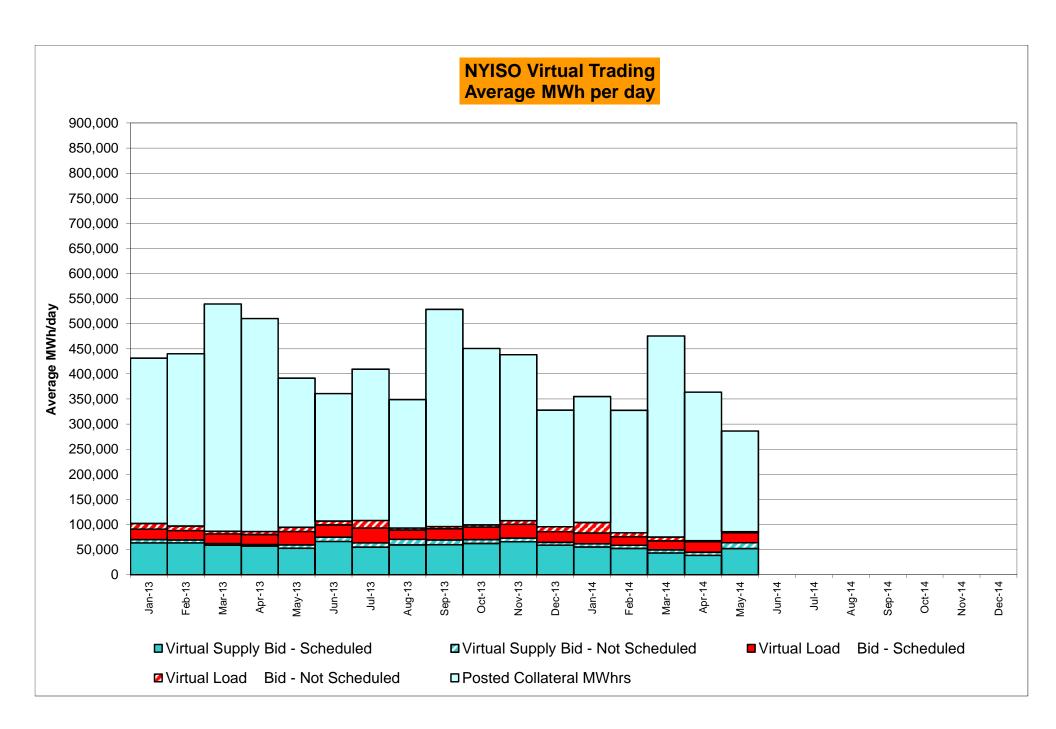
^{*} Calendar days from reservation date.

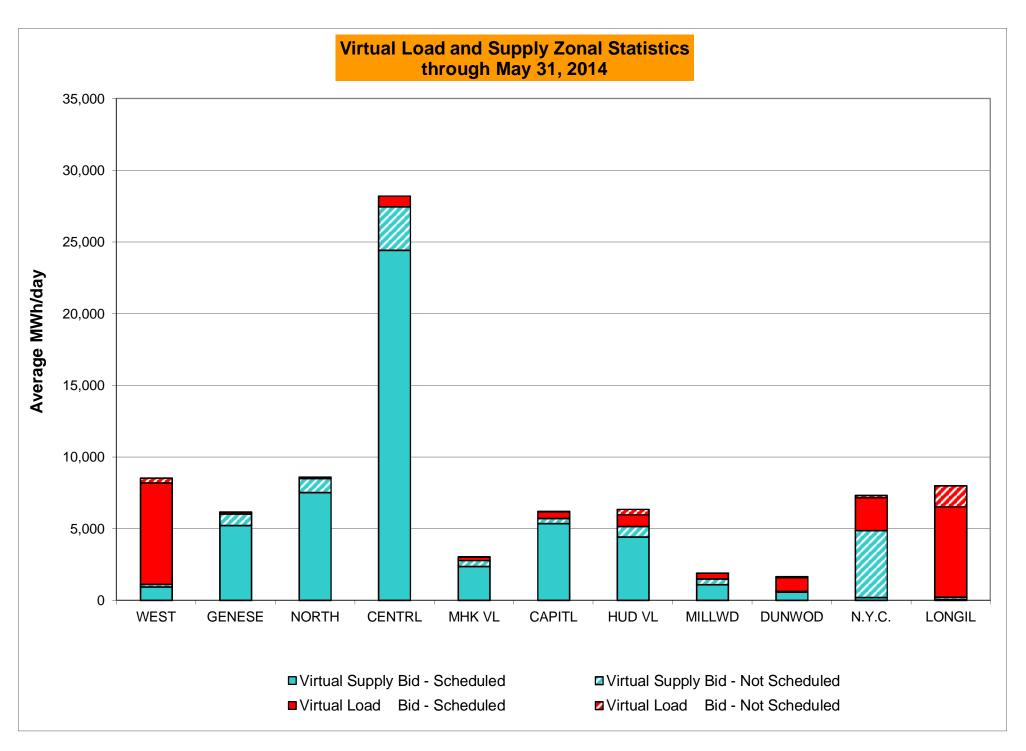
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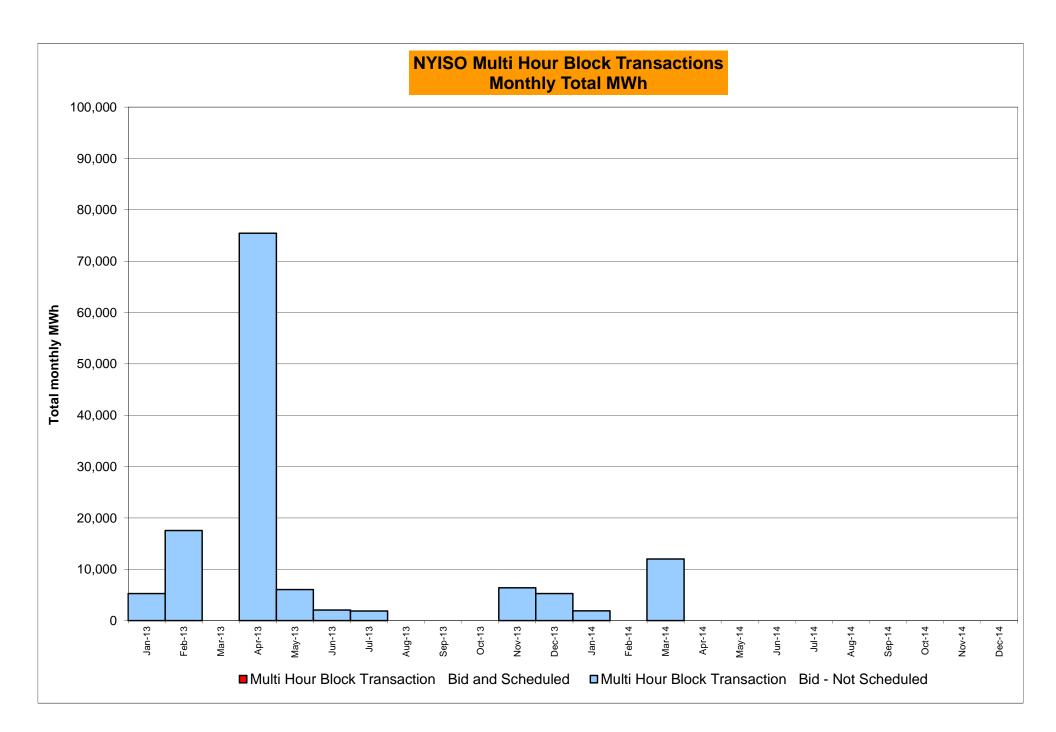


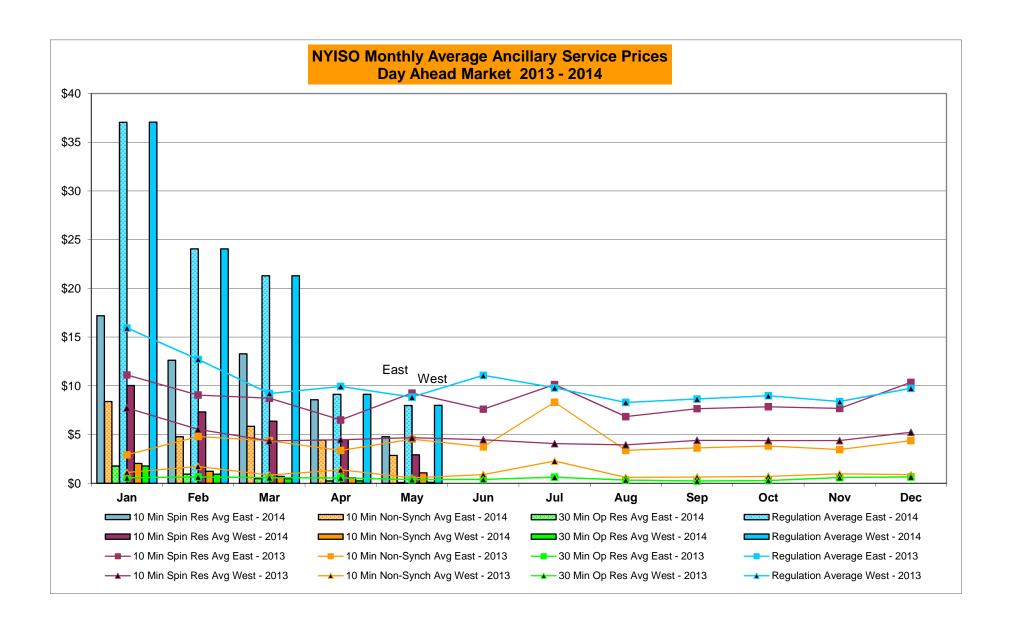
^{*} Calendar days from reservation date.

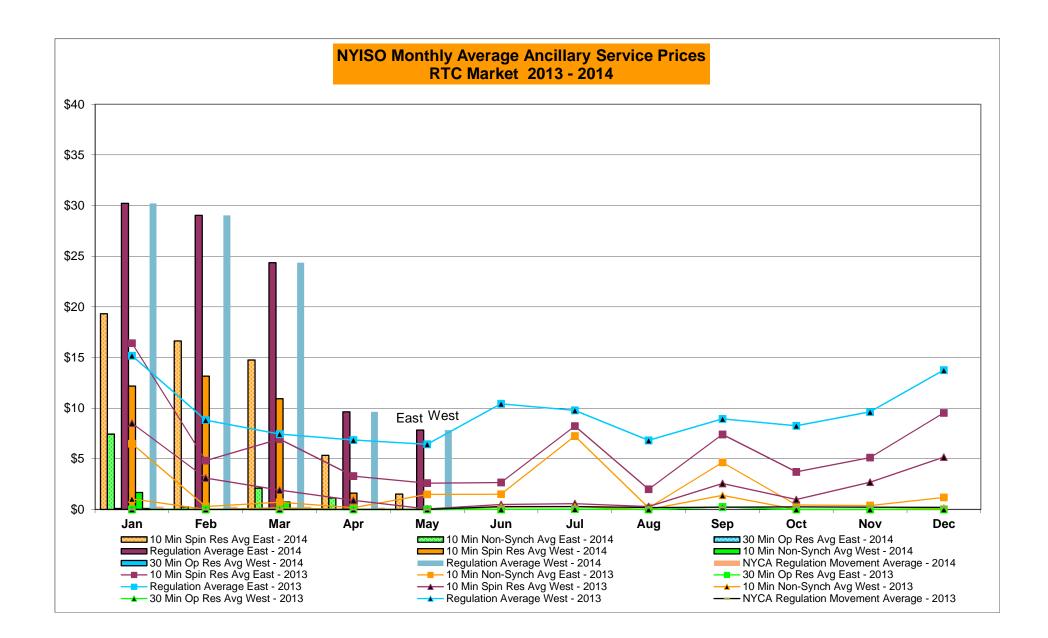


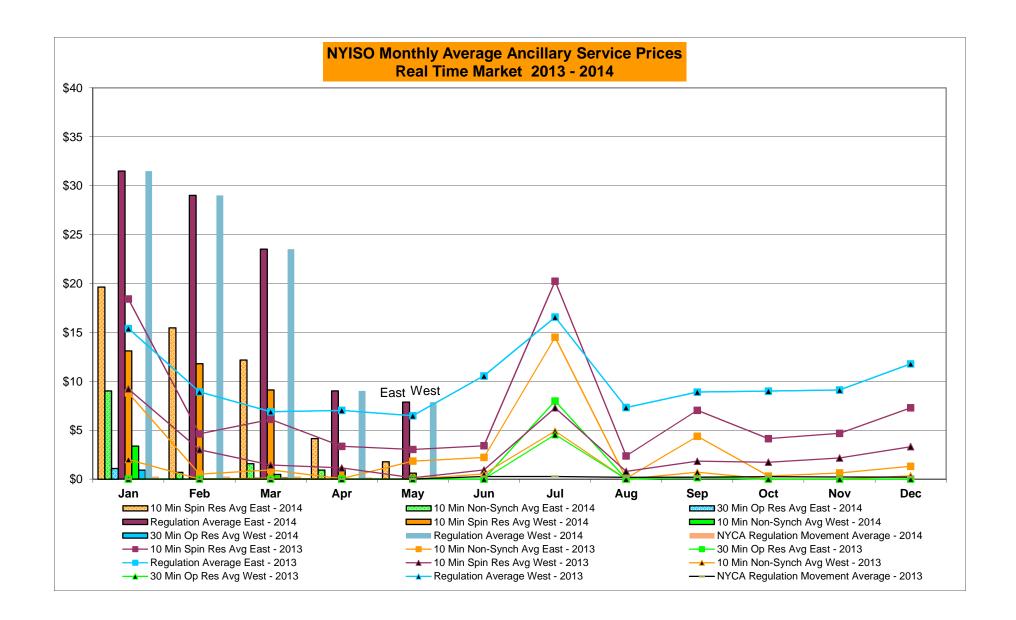


					Virtual L	oad and	Supp	ly Zonal	Statistic	s (Avera	ge MWh/da	y) - 2014	1				
		Virtual L	oad Bid	Virtual S	upply Bid			Virtual L	oad Bid	Virtual Su	pply Bid			Virtual I	Load Bid	Virtual Su	ıpply Bid
			Not		Not				Not		Not				Not		Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled
WEST	Jan-14		5,063	2,777	155	MHK VL	Jan-14	429	587	1,316	260	DUNWOD	Jan-14	354		2,182	268
	Feb-14		805		422		Feb-14	340	204		90		Feb-14	577			
	Mar-14	,	601		159		Mar-14	415	527	826	106		Mar-14	481			146
	Apr-14		451		130		Apr-14	242	44		136		Apr-14	211			87
	May-14		353	952	158		May-14	231	7	2,372	412		May-14	930	75	580	67
	Jun-14						Jun-14						Jun-14				
	Jul-14						Jul-14					_	Jul-14				
	Aug-14						Aug-14					_	Aug-14				
	Sep-14						Sep-14						Sep-14				
	Oct-14						Oct-14						Oct-14				
	Nov-14						Nov-14						Nov-14				
	Dec-14						Dec-14						Dec-14				
OFNEOE	1== 4.4	40.4	070	5 000	405	CARITI	1 4.4	4 400	4.070	0.005	070	N V O	1 4.4	0.007	0.040	000	4.000
GENESE	Jan-14	434	279		425	CAPITL	Jan-14	1,439	1,278	3,985	379	N.Y.C.	Jan-14	2,627			1,083
	Feb-14		107		487		Feb-14	1,116	871	4,100	127		Feb-14	2,470			625
	Mar-14 Apr-14		176 13		88 173		Mar-14 Apr-14	1,237 780	939 107	4,623	129 133		Mar-14 Apr-14	3,075		152 152	1,172 2,900
			13		798			479	107	4,476 5,367	337			3,335 2,276			
	May-14 Jun-14		18	5,223	798		May-14 Jun-14	479	17	5,367	337		May-14 Jun-14	2,276	100	205	4,679
	Jul-14						Jul-14					_	Jul-14				
	Aug-14						Aug-14					_	Aug-14				
	Sep-14						Sep-14					=	Sep-14				
	Oct-14						Oct-14					-	Oct-14				
	Nov-14						Nov-14					-	Nov-14				
	Dec-14						Dec-14						Dec-14				
	Dec-14						Dec-14						Dec-14				
NORTH	Jan-14	47	168	6,579	1,592	HUD VL	Jan-14	1,612	1,554	4,091	466	LONGIL	Jan-14	7,605	6,704	59	375
	Feb-14		4		1,308		Feb-14	634	1,325	3,963	792		Feb-14	5,365			
	Mar-14		10		895		Mar-14	552	1,130	3,644	1,081		Mar-14	5,083			
	Apr-14		4				Apr-14	413	725		918		Apr-14	7,434			18
	May-14						May-14	817	358	4,407	760		May-14	6,303		83	
	Jun-14		-	,,,,,,			Jun-14			1,101			Jun-14	5,000	1,102		
	Jul-14						Jul-14						Jul-14				
	Aug-14						Aug-14						Aug-14				
	Sep-14						Sep-14						Sep-14				
	Oct-14						Oct-14						Oct-14				
	Nov-14						Nov-14						Nov-14				
	Dec-14						Dec-14						Dec-14				
CENTRL	Jan-14	675				MILLWD	Jan-14	235	401	848	470	NYISO	Jan-14	21,670			6,098
	Feb-14						Feb-14	324	183	1,015	357		Feb-14	16,907			6,097
	Mar-14	466			1,822		Mar-14	278	293	872	262		Mar-14	17,855		43,485	6,082
	Apr-14		13		430		Apr-14	119	54	878	255		Apr-14	20,848			6,187
	May-14		0	24,434	3,035		May-14	395	32	1,104	392	_	May-14	19,467	2,478	52,261	11,742
	Jun-14						Jun-14					_	Jun-14				
	Jul-14						Jul-14						Jul-14				
	Aug-14						Aug-14					_	Aug-14				
	Sep-14						Sep-14					_	Sep-14				
	Oct-14						Oct-14						Oct-14				
	Nov-14						Nov-14						Nov-14				
	Dec-14						Dec-14						Dec-14				







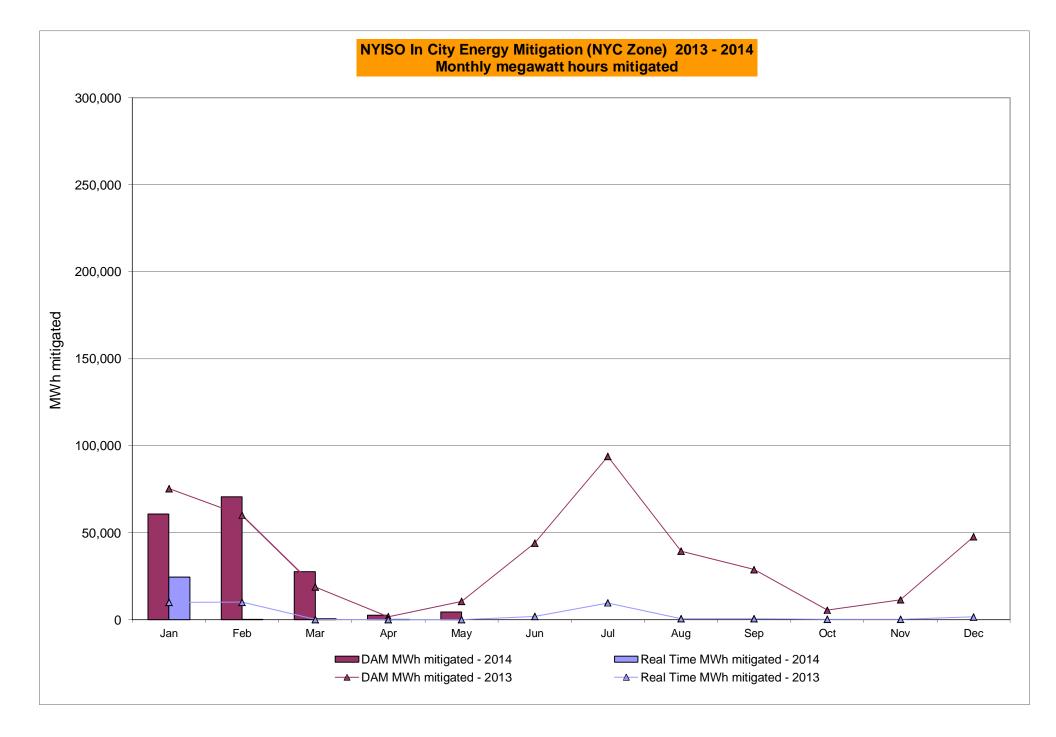


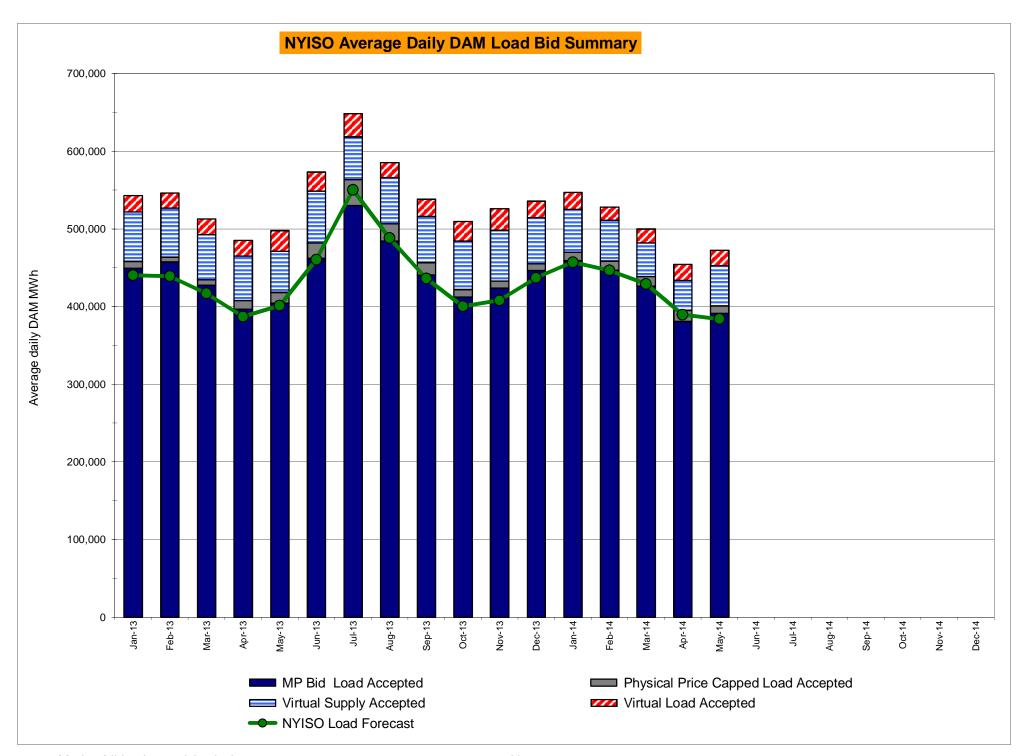
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

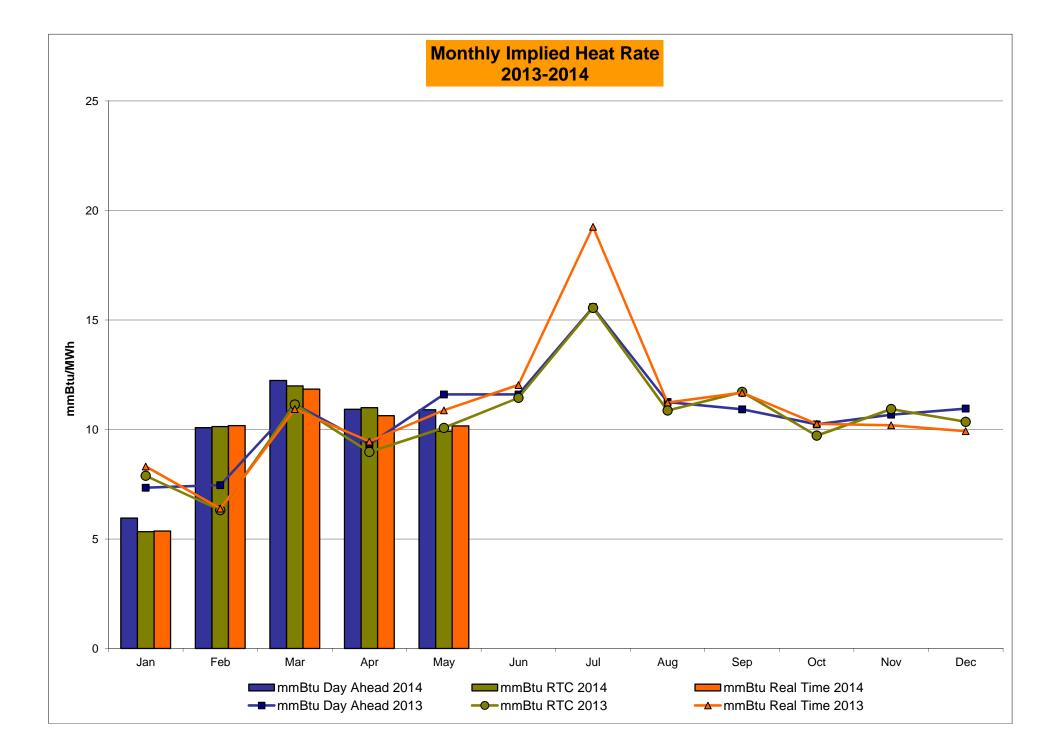
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2014 Day Ahead Market	<u>January</u>	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
10 Min Spin East	17.19	12.62	13.27	8.57	4.77							
10 Min Spin West	10.02	7.32	6.36	4.47	2.92							
10 Min Non Synch East	8.40	4.78	5.86	4.44	2.86							
10 Min Non Synch West	2.02	1.23	0.70	0.55	1.06							
30 Min East	1.77	0.93	0.47	0.24	0.09							
30 Min West	1.77	0.93	0.47	0.24	0.09							
Regulation East	37.05	24.05	21.29	9.12	7.99							
Regulation West	37.05	24.05	21.29	9.12	7.99							
RTC Market												
10 Min Spin East	19.32	16.64	14.76	5.34	1.52							
10 Min Spin West	12.18	13.16	10.93	1.61	0.33							
10 Min Non Synch East	7.43	0.26	2.10	1.14	0.00							
10 Min Non Synch West	1.68	0.00	0.72	0.00	0.00							
30 Min East	0.08	0.00	0.12	0.00	0.00							
30 Min West	0.08	0.00	0.12	0.00	0.00							
Regulation East	30.21	29.03	24.35	9.64	7.83							
Regulation West	30.21	29.03	24.35	9.64	7.83							
NYCA Regulation Movement	0.28	0.27	0.26	0.17	0.15							
· ·												
Real Time Market	10.04	45.40	10.10	4.45	4.70							
10 Min Spin East 10 Min Spin West	19.64 13.10	15.48 11.80	12.19 9.11	4.15 0.94	1.78 0.61							
10 Min Non Synch East	9.03	0.70	1.59	0.94	0.00							
10 Min Non Synch West	3.37	0.00	0.48	0.00	0.00							
30 Min East	1.10	0.00	0.11	0.00	0.00							
30 Min West	0.92	0.00	0.11	0.00	0.00							
Regulation East	31.50	29.02	23.52	9.02	7.87							
Regulation West	31.50	29.02	23.52	9.02	7.87							
NYCA Regulation Movement	0.27	0.27	0.27	0.17	0.15							
· ·	<u>January</u>	February	March			luma	<u>July</u>	A	September	October	Marranahan	<u>December</u>
		repruary	iviarch	<u>April</u>	<u>May</u>	<u>June</u>	July	<u>August</u>	September	October	<u>November</u>	
2013 Day Ahoad Market	<u>varraar y</u>	<u> </u>										2000
Day Ahead Market								-				
Day Ahead Market 10 Min Spin East	11.12	9.05	8.73	6.49	9.25	7.59	10.13	6.84	7.65	7.85	7.68	10.35
Day Ahead Market 10 Min Spin East 10 Min Spin West	11.12 7.72	9.05 5.53	8.73 4.34	6.49 4.46	9.25 4.67	7.59 4.46	10.13 4.06	6.84 3.94	7.65 4.40	7.85 4.38	7.68 4.37	10.35 5.23
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East	11.12 7.72 2.91	9.05 5.53 4.79	8.73 4.34 4.36	6.49 4.46 3.36	9.25 4.67 4.52	7.59 4.46 3.73	10.13 4.06 8.31	6.84 3.94 3.37	7.65 4.40 3.62	7.85 4.38 3.82	7.68 4.37 3.45	10.35 5.23 4.37
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West	11.12 7.72 2.91 1.11	9.05 5.53 4.79 1.73	8.73 4.34 4.36 0.84	6.49 4.46 3.36 1.38	9.25 4.67 4.52 0.55	7.59 4.46 3.73 0.88	10.13 4.06 8.31 2.27	6.84 3.94 3.37 0.60	7.65 4.40 3.62 0.63	7.85 4.38 3.82 0.70	7.68 4.37 3.45 0.96	10.35 5.23 4.37 0.87
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East	11.12 7.72 2.91 1.11 0.56	9.05 5.53 4.79 1.73 0.65	8.73 4.34 4.36 0.84 0.56	6.49 4.46 3.36 1.38 0.53	9.25 4.67 4.52 0.55 0.36	7.59 4.46 3.73 0.88 0.40	10.13 4.06 8.31 2.27 0.62	6.84 3.94 3.37 0.60 0.33	7.65 4.40 3.62 0.63 0.23	7.85 4.38 3.82 0.70 0.28	7.68 4.37 3.45 0.96 0.59	10.35 5.23 4.37 0.87 0.65
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	11.12 7.72 2.91 1.11 0.56 0.56	9.05 5.53 4.79 1.73 0.65 0.65	8.73 4.34 4.36 0.84 0.56 0.56	6.49 4.46 3.36 1.38 0.53 0.53	9.25 4.67 4.52 0.55 0.36	7.59 4.46 3.73 0.88 0.40 0.40	10.13 4.06 8.31 2.27 0.62 0.62	6.84 3.94 3.37 0.60 0.33 0.33	7.65 4.40 3.62 0.63 0.23 0.23	7.85 4.38 3.82 0.70 0.28 0.28	7.68 4.37 3.45 0.96 0.59 0.59	10.35 5.23 4.37 0.87 0.65 0.65
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East	11.12 7.72 2.91 1.11 0.56 0.56 15.94	9.05 5.53 4.79 1.73 0.65 0.65 12.70	8.73 4.34 4.36 0.84 0.56	6.49 4.46 3.36 1.38 0.53 0.53 9.93	9.25 4.67 4.52 0.55 0.36	7.59 4.46 3.73 0.88 0.40 0.40 11.07	10.13 4.06 8.31 2.27 0.62	6.84 3.94 3.37 0.60 0.33 0.33 8.29	7.65 4.40 3.62 0.63 0.23 0.23 8.65	7.85 4.38 3.82 0.70 0.28 0.28 8.98	7.68 4.37 3.45 0.96 0.59 0.59 8.38	10.35 5.23 4.37 0.87 0.65
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation East Regulation West	11.12 7.72 2.91 1.11 0.56 0.56	9.05 5.53 4.79 1.73 0.65 0.65	8.73 4.34 4.36 0.84 0.56 0.56 9.21	6.49 4.46 3.36 1.38 0.53 0.53	9.25 4.67 4.52 0.55 0.36 0.36 8.84	7.59 4.46 3.73 0.88 0.40 0.40	10.13 4.06 8.31 2.27 0.62 0.62 9.80	6.84 3.94 3.37 0.60 0.33 0.33	7.65 4.40 3.62 0.63 0.23 0.23	7.85 4.38 3.82 0.70 0.28 0.28	7.68 4.37 3.45 0.96 0.59 0.59	10.35 5.23 4.37 0.87 0.65 0.65 9.74
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 30 Min East 30 Min East Regulation East Regulation West	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94	9.05 5.53 4.79 1.73 0.65 0.65 12.70	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84	7.59 4.46 3.73 0.88 0.40 0.40 11.07	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation East Regulation West RTC Market 10 Min Spin East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74
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	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74
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 Spin West	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation East Regulation West RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26	6.84 3.94 3.37 0.60 0.33 8.29 8.29 1.99 0.29 0.16 0.00	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13
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 RTC Market 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00	10.13 4.06 8.31 2.27 0.62 9.80 9.80 9.80 8.23 0.57 7.23 0.26 0.03	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation East Regulation East Regulation West RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00 0.00	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation East Regulation West RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 8.81	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 0.00 6.84	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 0.00 6.42	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00 0.00 10.42	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00 0.00 0.00 6.81	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 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 East Regulation East Regulation East Regulation West RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00 0.00	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 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 East 30 Min West Regulation East Regulation West RTC Market 10 Min Spin East 10 Min Spin East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min West Regulation East Regulation East Regulation East Regulation West NYCA Regulation Movement	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 8.81 8.81	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 0.00 6.84 6.84	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 0.00 6.42 6.42	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 0.29 0.16 0.00 0.00 0.00 6.81 6.81	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 0.00 9.63 9.63	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation East Regulation East Regulation West RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation East Regulation East Regulation West NYCA Regulation Movement Real Time Market	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18 15.18	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 8.81 8.81 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 0.00 6.84 6.84 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 0.00 6.42 6.42 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 0.16 0.00 0.00 0.00 6.81 6.81 0.18	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26 0.24	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63 9.63 0.22	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75 0.20
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation East Regulation East Regulation West RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation East Regulation West Regulation East Regulation East Regulation Movement Real Time Market 10 Min Spin East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 0.00 15.18 15.18 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 0.00 8.81 8.81 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 6.84 6.84 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 6.42 6.42 0.00 3.03	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77 0.28	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 0.29 0.16 0.00 0.00 0.00 6.81 6.81 0.18	7.65 4.40 3.62 0.63 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26 0.24	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 0.00 9.63 9.63 0.22	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75 0.20
Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation East Regulation East Regulation West RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 30 Min East 30 Min East 30 Min East Regulation East Regulation East Regulation Fast Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18 15.18 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 0.00 8.81 8.81 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 6.84 6.84 0.00 3.35 1.15	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 0.00 6.42 6.42 0.00 3.03 0.13	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 8.23 0.57 7.23 0.26 0.03 9.77 9.77 0.28	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 0.29 0.16 0.00 0.00 6.81 6.81 0.18	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26 0.24 4.14 1.73	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 0.00 9.63 9.63 0.22 4.68 2.16	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75 0.20
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 Fast Regulation West RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min East Regulation East Regulation East Regulation Fast Regulation Fast Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin East 10 Min Spin East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18 15.18 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 0.00 8.81 8.81 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 0.00 6.84 6.84 0.00 3.35 1.15 0.06	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 6.42 6.42 0.00 3.03 0.13 1.84	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27 3.41 0.94 2.22	10.13 4.06 8.31 2.27 0.62 9.80 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77 0.28	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00 6.81 0.18	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 8.26 8.26 0.24 4.14 1.73 0.31	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63 9.63 0.22 4.68 2.16 0.63	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 0.20
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 RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min West Regulation East Regulation East Regulation East Regulation Mest Regulation West Regulation West NYCA Regulation Movement Real Time Market 10 Min Spin West 10 Min Spin West 10 Min Spin West	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18 15.18 0.00	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 8.81 8.81 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 3.28 0.90 0.18 0.00 0.00 6.84 6.84 0.00 3.35 1.15 0.06 0.00	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 6.42 6.42 0.00 3.03 0.13 1.84 0.00	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27 3.41 0.94 2.22 0.53	10.13 4.06 8.31 2.27 0.62 9.80 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77 0.28	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 1.99 0.29 0.16 0.00 0.00 6.81 6.81 0.18	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26 0.24 4.14 1.73 0.31 0.00	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63 9.63 0.22 4.68 2.16 0.63 0.00	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75 0.20 7.29 3.31 1.31
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Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East Regulation East Regulation West RTC Market 10 Min Spin East 10 Min Spin East 10 Min Non Synch East 10 Min Non Synch East 10 Min West Regulation East Regulation East 10 Min West Regulation East 10 Min West Regulation East Regulation West NYCA Regulation Movement Real Time Market 10 Min Spin East 10 Min Non Synch West 30 Min East 30 Min West Regulation East	11.12 7.72 2.91 1.11 0.56 0.56 15.94 15.94 15.94 16.42 8.50 6.48 1.04 0.00 0.00 15.18 15.18 0.00 18.42 9.22 8.81 2.00 0.00 0.00 15.40	9.05 5.53 4.79 1.73 0.65 0.65 12.70 12.70 4.81 3.10 0.28 0.00 0.00 0.00 8.81 8.81 0.00 4.63 3.00 0.52 0.00 0.00 0.00 0.00 0.00	8.73 4.34 4.36 0.84 0.56 0.56 9.21 9.21 9.21 6.94 1.90 0.70 0.15 0.00 0.00 7.43 7.43 0.00 6.12 1.44 0.93 0.10 0.00 0.00 6.89	6.49 4.46 3.36 1.38 0.53 0.53 9.93 9.93 9.93 3.28 0.90 0.18 0.00 0.00 6.84 6.84 0.00 3.35 1.15 0.06 0.00 0.00 0.00 0.00 7.03	9.25 4.67 4.52 0.55 0.36 0.36 8.84 8.84 2.59 0.05 1.48 0.00 0.00 6.42 6.42 0.00 3.03 0.13 1.84 0.00 0.00 0.00 0.00 0.00 6.48	7.59 4.46 3.73 0.88 0.40 0.40 11.07 11.07 2.65 0.48 1.50 0.22 0.00 0.00 10.42 10.42 0.27 3.41 0.94 2.22 0.53 0.00 0.00 10.55	10.13 4.06 8.31 2.27 0.62 0.62 9.80 9.80 9.80 8.23 0.57 7.23 0.26 0.03 0.03 9.77 9.77 0.28 20.24 7.29 14.51 4.91 7.99 4.55 16.57	6.84 3.94 3.37 0.60 0.33 0.33 8.29 8.29 0.16 0.00 0.00 6.81 6.81 0.18 2.37 0.80 0.07 0.00 0.00 0.00 0.00 0.00 0.0	7.65 4.40 3.62 0.63 0.23 0.23 8.65 8.65 7.40 2.56 4.63 1.39 0.24 0.24 8.93 8.93 0.21 7.03 1.83 4.37 0.70 0.17 0.17 8.90	7.85 4.38 3.82 0.70 0.28 0.28 8.98 8.98 3.70 0.97 0.44 0.00 0.00 0.00 8.26 8.26 0.24 4.14 1.73 0.31 0.00 0.00 0.00 0.00 0.00 0.00 0.0	7.68 4.37 3.45 0.96 0.59 0.59 8.38 8.38 5.11 2.68 0.38 0.00 0.00 9.63 9.63 0.22 4.68 2.16 0.63 0.00 0.00 0.00 0.00 0.00 0.00 0.0	10.35 5.23 4.37 0.87 0.65 0.65 9.74 9.74 9.53 5.16 1.17 0.13 0.00 0.00 13.75 13.75 0.20 7.29 3.31 1.31 0.34 0.00 0.00

NYISO In City Energy Mitigation - AMP (NYC Zone) 2013 - 2014 Percentage of committed unit-hours mitigated

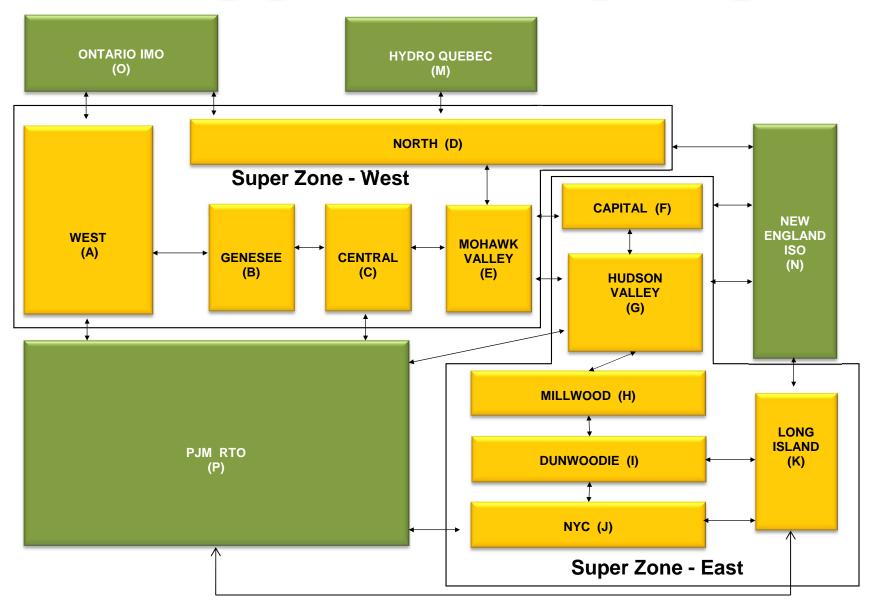








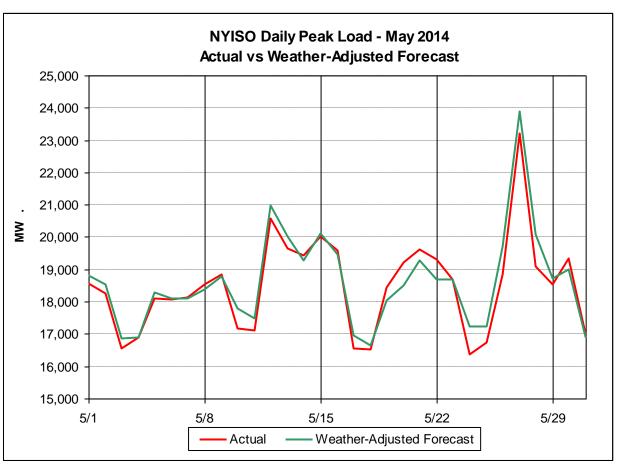
NYISO LBMP ZONES

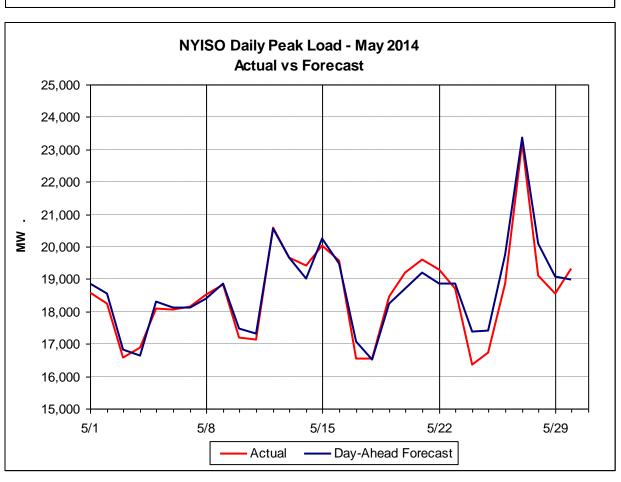


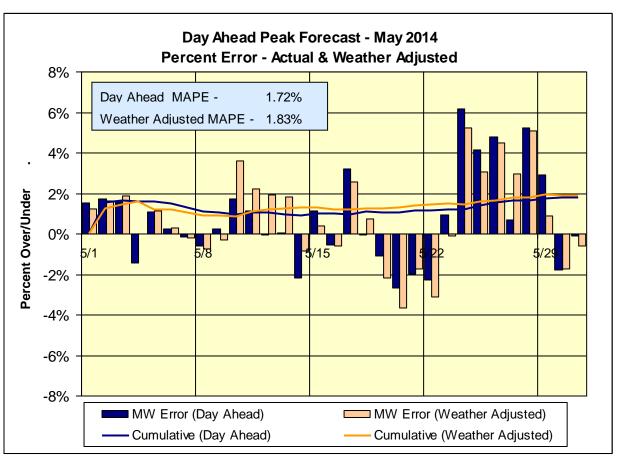
Billing Codes for Chart 4-C

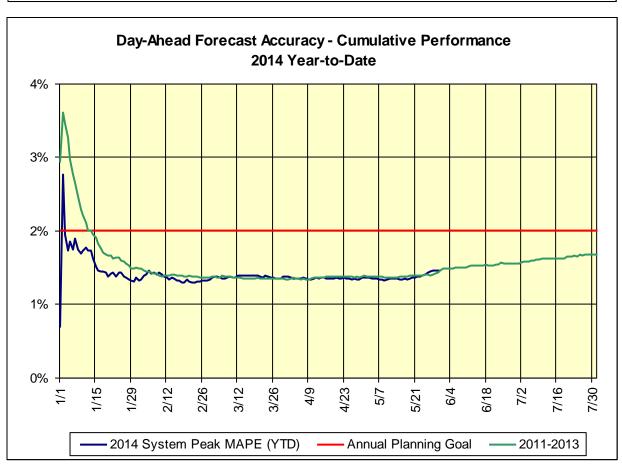
Chart - C Category Name	Billing Code	Billing Category Name
Bid Production Cost Guarantee Balancing	81203	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81204	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee 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

Market Mitigation and Analysis Prepared: 6/2/2014 11:32 AM











Project	Status and Milestone Deliverables
	Business Intelligence Products
Business Intelligence Roadmap: Data Integration	Status: The purpose of this multi-year project is to improve the Business Intelligence IT service model at NYISO. Planning and design commenced in 2013 with plans to undertake a study in 2014 to identify a data integration and storage technology product for purchase, with implementation to follow in 2015. The data integration and storage solution will provide NYISO the capability to move large data sets to and from business partners and among internal systems in a sustainable manner. The system will have the ability to perform impact analysis and data quality monitoring, which are key to maintaining quality and controlling risk in an increasingly partner integrated environment.
	Deliverables: The focus of this project in 2014 is the completion of a study to recommend a product for procurement in 2015.
Electric Quarterly Report (EQR) Enhancements	Status: FERC has updated the required information and format for providing EQR reports. NYISO Market Participants have benefited from a report generated out of DSS for many years. Market Participants have requested NYISO to update the existing report with additional information and formatting to better match the newer FERC requirements. Updating the existing report will require additional data to be loaded in to DSS as well as changes to the existing reports. This project deployed in May. This project is complete. Deliverables: The 2014 project will focus on delivering enhancements to existing reports to align with the additional FERC requirements.
	•
Public Website Technology Upgrade	Status: The purpose of this project is to upgrade the underlying technology for the NYISO public website. The existing technology will be replaced with a more cost-effective solution.
	Deliverables: The 2014 project deliverable is the deployment of the technology upgrade.



Project	Status and Milestone Deliverables
	Capacity Market Products
Additional Capacity Zones	Status: Additional Capacity Zones is a FERC Mandate and a response to the Independent Market Advisor's 2009 State of the Market Report. Implementation is in progress with the ICAP Automated Market System software deployment planned for Q1 2014 in advance of the Summer Capability Period. This is a significant software effort that requires extensive regression testing. This effort is coupled with the Additional Capacity Zones mitigation software changes and all tariff revisions specific to new capacity zones and mitigation within new capacity zones. This project was deployed in February. This project is complete.
	Deliverables: The 2014 project deliverable is the software deployment.
ICAP Auction Validation and Reporting	Status: The purpose of this project is to provide multiple NYISO Business Owners access to the same data set utilizing updated technology that is supported by IT. The scope of this project includes replacing Access queries with an ICAP universe and reporting tools. This project is complete.
Reporting	Deliverables: The 2014 project deliverable is the development of the functional requirements and plans for a software deployment in 2015.
ICAP Reference System	Status: Market Mitigation and Analysis (MMA) collects extensive financial data from generation owners in order to perform the ICAP market mitigation measures. Now that the data collection process is standardized, efficiency and transparency could be gained by creating a web-based data portal that would allow MPs to upload and review their data. The NYISO and its consultants could use the data portal in the review process and to facilitate discussions with MPs.
	The anticipated deliverable is a Web-based software application, similar in concept to the Reference Level Software (RLS), but with different functionality. This software will enable



Project	Status and Milestone Deliverables
	MMA to complete pre-mitigation determinations for new capacity zones in an automated and timely manner. The software was deployed in March. This project is complete.
	Deliverables: The 2014 project deliverable is the completion of testing and the software deployment.
	Demand Response Products
Demand Response – Real Time Energy Market	Status: NYISO will focus on the development of market rules and identification of software changes required to permit demand response entities to participate in the NYISO's real-time energy market. BIC and OC approved the Market Design concepts for this multi-year project in December 2012. Business Requirements were approved in 2013. Deliverables: Obtaining stakeholder approval on the market design is the focus of the project in 2014.
SCR Provisional ACL Phase	Status: The SCR Program is the largest of the NYISO's demand response programs, both in the number of individual demand side resources and MW. Since the SCR baseline changes were implemented in April 2011, the NYISO has received a significant number of comments, including three market participant presentations at the ICAPWG, regarding SCRs enrolled with a Provisional ACL. One of the presentations related to using the Provisional ACL as a way to allow resources to account for an increase in load since the last Capability Period, which would allow the SCR to offer more capacity. The scope of the project is intended to address four key areas from stakeholder comments:
	 Address allowance for the use of Provisional ACL for SCRs that change RIPs; Review the limitation on Provisional ACL for three consecutive Capability Periods; Review SCR Load Zone Peak Hours for Winter ACL; and Address increased baseline with reporting process to increase ACL values within a



Project	Status and Milestone Deliverables
	Capability Period.
	The first phase was successfully deployed in October 2013. The second phase of this project was successfully deployed in March. The remaining scope is scheduled for deployment in October.
	Deliverables: The focus of the 2014 project is the deployment of the next phases of software changes.
SCR Baseline Study	Status: This project will evaluate the current Average Coincident Load (ACL) against a number of alternative response baseline calculations using a Customer Baseline Load (CBL) for SCRs. In February 2011, when the NYISO proposed, and stakeholders accepted, the change to the SCR baseline from Average Peak Monthly Demand (APMD) to ACL, the NYISO committed to conducting a study to evaluate an additional set of baseline calculations for measuring event response. The objective of the study is to determine if there is a method of estimating response to an event that will provide a better estimate of event response than the ACL. The study is complete.
	Deliverables: The focus of the 2014 project is a NYISO Management response to the study completed at the end of 2013.
Order 745 – Day Ahead Demand Response Program (DADRP) Compliance	Status: NYISO planned to implement the net benefits test in March 2012 based on the compliance filing submitted in August 2011. However, implementation was placed on hold pending a response from FERC. Also, as part of the compliance obligation, NYISO completed a study in August 2012 to evaluate the feasibility of incorporating a dynamic net benefits test into the day-ahead and real-time unit commitment and scheduling processes. A compliance filing detailing the results of the feasibility study was submitted to FERC in September 2012. FERC issued an Order on May 16, 2013 in response to NYISO's August



Project	Status and Milestone Deliverables
	2011 filing. NYISO requested a 60-day extension on the compliance filing, which was subsequently approved for August 14. Also, NYISO requested rehearing on the cost allocation methodology.
	Deliverables: Upon receipt of responses from FERC regarding the August 14, 2013 compliance filing and the request for rehearing, NYISO will evaluate the responses and determine a feasible implementation date.
	Energy Market Products
Coordinated Transaction Scheduling (CTS) with New England	Status: In 2012 FERC accepted the joint filings of NYISO and ISONE to implement CTS. CTS will enable Market Participants to submit transaction bid costs as an arbitrage spread value, instead of today's \$/MW pair. This spread will be merged with ISONE's supply curve and then optimized by NY for transaction scheduling. To help facilitate this new trading and to insure proper data transparency between the ISOs and the MPs, a new common bid platform will be built and run by NYISO. In addition, data will be exchanged between NY and NE to help facilitate settlements and operator interaction.
	Deliverables: The focus of this project in 2014 will be development completed of all systems needed to begin joint testing in March 2015 and activate CTS with NE in Q4 2015.
Coordinated Transaction Scheduling with PJM	Status: The State of the Market has recommended that NYISO continue to work with its neighbors to provide market efficiencies from transaction scheduling. This project will look to expand upon the work and concepts outlined in CTS with NE to improve transaction scheduling inefficiencies that can occur between PJM's physical transaction modeling and NYISO's economic based scheduling models. A market design concept was completed in 4 th quarter 2012. NYISO and PJM Stakeholders approved the market design in 2013. Software development was completed at the end of 2013. The software was deployed in March in preparation for the joint testing cycle between NYISO and PJM.



Project	Status and Milestone Deliverables
	Deliverables: The focus of this project in 2014 is the software deployment, joint testing
	and implementation.
Scheduling and Pricing: Graduated Transmission Demand Curve	Status: The 2012 State of the Market (SOM) recommends the NYISO consider the feasibility and potential impacts on reliability and system security from using a graduated Transmission Shortage Cost. The SOM states, "RTD uses a "Transmission Shortage Cost" that limits the re-dispatch costs that may be incurred to \$4,000/MWh when managing congestion. However, our analysis suggests that this level may be higher than necessary to maintain reliability during some brief shortages." The single 'penalty point' is too high and may result in ineffective generation re-dispatch in response to transmission constraints given established operating practices and capabilities. A graduated demand curve will improve the accuracy of the Transmission Shortage Cost and will make for a more efficient commitment and dispatch actions, and set more efficient prices. Deliverables: The focus of this project in 2014 is FERC approval of tariff changes and implementation of the software changes.
	Enterprise Products
Enterprise Project Management (EPM): Phases II and III	Status: In 2012 NYISO implemented Microsoft Project 2010 on the EPMLive application to provide NYISO with up-to-date project scheduling and tracking tools, centralized and consistent project reporting for improved portfolio management, and improved project team collaboration. Additional phases will continue the implementation of the EPMLive application to provide a centralized system with enterprise time reporting, and an enterprise view of project demand, resource capacity, project costs, and resource utilization to support key decision making processes. In 2013 the EPMLive time tracking module was configured

to align with the requirements of the Enterprise Cost Management (ECM) initiative and the

business requirements for resource management were approved. The time tracking



Project	Status and Milestone Deliverables
	functionality was activated in March. The resource management functionality is scheduled for deployment in December.
	Deliverables: 2014 deliverables include an enterprise implementation of the time tracking functionality, followed by deployment of resource management functionality for project management and resource capacity planning.
Enterprise Technology Monitoring	Status: This purpose of this project is to provide IT with the necessary toolset to effectively manage the NYISO technology portfolio. Investment in new tools and processes is necessary to maintain the availability of business services, including Market to Market and Smart Grid applications that require infrastructure not technically compatible with NYISO's current monitoring platform. This project will define an enterprise monitoring strategy and build a foundational solution that is capable of monitoring all core infrastructure services. Subsequent initiatives will deploy the monitoring strategy for all critical business services and enable proactive monitoring of key services to prevent and reduce downtime.
	Deliverables: The project deliverable for 2014 is completion of the architecture design.
Identity and Access Management (IAM)	Status: This multi-year project is NYISO's top security priority for mitigating cyber security risks. To enhance NYISO's security posture and improve compliance with NERC Critical Infrastructure Protection (CIP) standards, the NYISO is in progress on this initiative to enable and control cyber access to its critical technology systems, and physical access to NYISO facilities, for employees and contractors.
Management (IAM)	Deliverables: The focus of this project in 2014 is implementation to complete the migration of existing functionality to a supported system prior to the vendor's retirement of the current product in 2014, and to expand IAM access control to CIP assets in support of the NYISO cyber security strategy.



Project	Status and Milestone Deliverables
Stakeholder Services Suite	Status: To improve customer service and satisfaction, the NYISO has included the creation of a Stakeholder Services Suite of tools in its 2013-2017 Strategic Plan. The vision for this multi-year initiative is to improve relationships between the NYISO and its stakeholders by providing NYISO team members with comprehensive views of current and historical customer inquiries that enable more effective responses to customer requests. The Customer Relationship Management (CRM) solution will enable the NYISO Stakeholder and Member Relations (SMR) team to better manage customer interactions from initial contact, to registration, training, and ongoing communication. The CRM solution will also provide customers a self-service, web-based portal to view inquiry status and manage contact information.
	Deliverables: The focus of this project in 2014 is the deployment of the first phase of this multi-year project.
	Finance Products
Credit Management System: Enhanced Market Participant Data Access	Status: This project includes several changes to the Credit Management System (CMS) to provide additional access to data for Market Participants and related automation of tasks. This project will provide MPs with access to FERC Order 741 minimum participation data while also automating and providing the Credit Department with better tools to track the required certifications, capitalization, risk procedures, and verification. This project will also include automation of collateral calls for the TCC, DADRP, DSASP, and WTSC markets to send notifications to the MPs to provide consistency across markets in the collateral call notification process.
	Deliverables: The focus of this project in 2014 is implementation of the software changes.



Project	Status and Milestone Deliverables				
Oracle Financials Upgrade	Status: The purpose of this project is to upgrade the existing application to an enhanced and more technologically advanced version of Oracle Financials to better support the existing functionality of the Finance team and to allow the team to perform at a higher level of efficiency. An upgrade will provide the Finance team the ability to utilize improved and more user friendly functions in the existing modules. Also, an upgrade to the latest version will allow the team to take advantage of new modules and functionality to further automate manual processes for procurement and utilize additional functionality for accounts payable, sub-ledger accounting and reporting tools. The software upgrade was deployed in May. This project is complete. Deliverables: The focus of this project in 2014 is completion of the software upgrade.				
Procurement Enhancements	Status: The purpose of this project is to provide tools for two main groups of functionality, process automation and data analytics, in order to aid the procurement team in alleviating their manual work processes and making more timely procurement decisions. Deliverables: The focus of this project in 2014 is completion of the functional requirements.				
	Operations & Reliability Products				
Energy Management System (EMS) Visualization	Status: This project is the continuation of the 2012-2013 projects to design and develop a software system capable of collating and displaying operationally relevant information to Operators and support staff in the control center. Leveraging the tools and infrastructure, additional capabilities will be developed. The first phase was successfully deployed in January 2014. The remaining scope is scheduled for deployment in September. Deliverables: The focus of this project in 2014 is implementation of software changes.				



Project	Status and Milestone Deliverables
	Status: The NYISO's ability to simulate the Day-Ahead Market was instrumental to the success of FERC's Office of Enforcement ("OE") actions against Constellation. As such, the FERC OE is requesting that all ISOs develop the capabilities demonstrated by the NYISO, and in NYISO's specific case, to expand upon on current fundamental analysis capabilities. One million dollars in funding was provided to the NYISO as part of the Constellation Settlement. After consideration and review of numerous possible enhancements, MMA has settled on two primary categories of modifications to the market operations software (Ranger) that meet the FERC OE's requirements: 1. RTS Simulation Capability:
FERC Funded Project	 Enhancements to Simulation Results Reporting and Simulation Data Input (MMA Ranger "Area" Enhancements) Phase 2 of this project, will utilize the remaining funds to enhance MMA's SAS reporting capabilities. Deliverables: The 2014 project is the continuation of the 2013 FERC Funded Re-Run Capability project. The team focused on development in 2013. The 2014 project will allow
Ranger Optimization & Performance Enhancements	the team to complete testing the new functionality and implement it in the MMA Ranger area. Status: The NYISO's unit commitment and economic dispatch process utilizes Lagrangian Relaxation (LR) and MINOS technologies. These are being replaced across the industry with Mixed Integer Programming (MIP)/linear programming optimization approach. The NYISO is the last remaining Ventyx/ABB customer on legacy LR/MINOS, which was developed in the late 1970s. MIP provides increased constraint modeling flexibility through high level modeling languages and current compiler and system optimization development,
	developed in the late 1970s. MIP provides increased constraint modeling flexibility thr



	2014 Major Product Enhancements				
Project	Status and Milestone Deliverables				
	Deliverables: The focus of this project in 2014 is completion of testing and implementation.				
	Planning and TCC Market Products				
FERC Order 1000	Status: As required in Order 1000, the NYISO made compliance filings to address transmission planning and cost allocation requirements. In order to maintain consistency between these new filings, tariff language and the NYISO manuals, policies and procedures implementing them, there is a need to update and/or create such documents. Order 1000 requires the NYISO to update policies and procedures currently used in the RPP-Reliability Planning Process ("RPP", formerly known as the "Comprehensive Reliability Planning Process" or "CRPP") and, to a lesser extent, CARIS – Congestion Assessment & Resource Integration Study. These System and Resource Planning (SRP) documents will incorporate changes to manuals, rate schedules, Tariff(s) and supporting documents. Deliverables: The focus of this project in 2014 is the updating of the NYISO policies and procedures, fillings and Tariff language as a result of or related to Order 1000.				
TCC Centralized Auction Rounds	Status: The NYISO has a tariff obligation to conduct four auction rounds per TCC product offered in Centralized TCC Auctions unless the New York Transmission Owners reach unanimous consent and provide the NYISO a waiver to conduct fewer than four rounds. Market Participants have indicated through discussion in stakeholder committee meetings, other feedback and TCC auction surveys that they would prefer fewer rounds and a shorter overall auction cycle. Deliverables: The focus of this project in 2014 is to complete the study and discuss with				

stakeholders.



Project	Status and Milestone Deliverables
TCC Revenue Allocation Automation	Status: The NYISO collects TCC revenue from the administration of the TCC Markets and the allocation of Fixed Price TCCs. The allocation of revenue associated with the TCC Markets to the Transmission Owners is currently a manual process performed by TCC Market Operations (TMO) staff using Excel and SAS toolsets. The scope of this project will be limited to the automation of allocation of revenue from the TCC Markets. The NYISO is currently working with the NY Transmission Owners to determine an agreeable methodology for the distribution of revenue from the allocation of Fixed Price TCCs. At such a time that the NYISO has an agreed upon methodology with the NY Transmission Owners, the NYISO will evaluate if automation of the Fixed Price TCC revenue allocation process can be incorporated into this project. Deliverables: The focus of this project in 2014 is development completion by end of year.

Summary Description of Regulatory Filings, Investigations, Rulemakings and Related Orders in NYISO Matters - May 2014

Filing Date	Filing Summary	Docket	Order Date	Order Summary
10/28/2013	NYISO filing re: request for partial reconsideration of the 8/13/2013 order to establish a new capacity zone	ER13-1380-003	05/27/2014	FERC order denied and granted in part rehearing of the order and directed NYISO to submit a compliance filing to revise the rebuttable presumption of its pivotal supplier threshold for a NCZ
02/24/2014	NYISO compliance filing re: to establish that the ICAP Demand Curves for the new G-J Locality will be in full effect for the start of the 2014/2015 Capability Year beginning 05/01/2014, with no phase-in period	ER14-500-002	05/27/2014	FERC letter order accepted compliance filing to state the currently effective ICAP demand curves
03/14/2014	NYISO filing re: answer to the IPPNY and NY-SEA Groups requests for rehearing of the 1/28/2014 order accepting the demand curves for the 2014/2015, 2015/2016, and 2016/2017 capability years	ER14-500-001	05/27/2014	FERC order denied third party requests for rehearing
04/11/2014	NYISO filing re: request for limited tariff waiver in order to make a Congestion Payment for the month of January 2014 to the Primary Holder of TCC 31835	ER14-1714-000	05/20/2014	FERC letter order granted NYISO a limited waiver of Formula N-4 in OATT Attachment N
05/02/2014	NYISO filing re: request for party status in the PSC proceeding to reform the energy vision	PSC Case No. 14-M-0101		
05/02/2014	NYISO filing re: revisions to the joint operating agreement between NYISO and PJM concerning the RTOs' implementation of the market-to-market coordination process when New York is in a storm watch condition	ER14-1868-000		
05/02/2014	NYISO filing re: motion to intervene and protest of the TC Ravenswood application to implement a reliability oil burn service rate schedule	ER14-1711-000		
05/05/2014	NYISO filing re: comments on the reporting requirements for FERC Form 566 (Annual Report of Utility's 20 Largest Purchasers)	IC14-9-000		
05/14/2014	NYISO PSC filing re: non-confidential cover letter and three confidential documents comprising the NYISO's three-month <i>Reliability Commitment Data Report</i> for the period ending April 30, 2014	PSC Matter No. 10-02007		
05/14/2014	NYISO PSC filing re: presentation slides titled "PSC AC Transmission Screening Analysis" presented at the 03/19/2014 PSC technical conference	PSC Case No. 13-E-0488		
05/15/2014	NYISO filing re: post-technical conference comments	AD14-8-000		

Filing Date	Filing Summary	Docket	Order Date	Order Summary
	concerning the impacts of winter 2013-2014 cold weather events on the NYISO and actions taken by NYISO to prepare for and respond to those occurrences			
05/16/2014	NYISO PSC filing re: presentation slides of Wes Yeomans titled "Winter 2013-2014 Cold Weather Operations" presented at the 5/15/14 PSC technical conference on Winter Energy Pricing and Supply	PSC Matter No. 14-00933		
05/21/2014	NYISO compliance filing re: to permit the participation of demand response facilitated by behind-the-meter generation in the NYISO's DADRP	ER14-2006-000		
05/27/2014	NYISO filing of a motion and amicus curiae brief US court of Appeals 2 nd Circuit re: new capacity zones and related orders	Case Nos. 14-1482 14-1502		