

Monthly Report

October 2015

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Operations Performance Metrics Monthly Report









October 2015 Report

Operations & Reliability Department New York Independent System Operator



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October 2015 Operations Performance Highlights

- Peak load of 20,088 MW occurred on 10/28/2015 HB 18
- All-time summer capability period peak load of 33,956 MW occurred on 7/19/2013 HB 16
- 2.9 hours of Thunder Storm Alerts were declared
- 0 hours of NERC TLR level 3 curtailment
- Commissioning of the the 200MVAR Shunt Reactor at the 345kV Coopers
 Corners substation was completed on 10/16/2015
- Higher levels of wind curtailments in the North Country this month were coincident with the scheduled outages of the Chateauguay-Massena 765kV (#7040), Massena-Marcy 765kV (#MSU1), and Moses-Willis 230kV (#MW1) transmission lines
- The following table identifies the estimated production cost savings associated with the Broader Regional Market initiatives.

	Current Month	Year-to-Date
	Value (\$M)	Value (\$M)
Regional Congestion Coordination	\$0.73	\$11.68
Regional PJM-NY RT Scheduling	(\$0.02)	\$2.58
Total	\$0.71	\$14.26

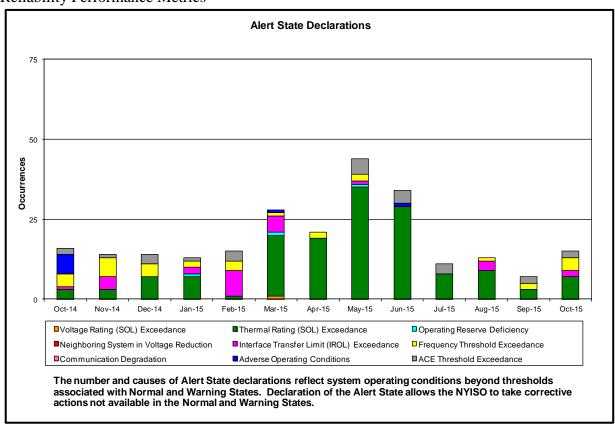
- Statewide uplift cost monthly average was (\$0.22)/MWh
- The following table identifies the Monthly ICAP spot market prices by locality and changes from the end of the prior Winter Capability period.

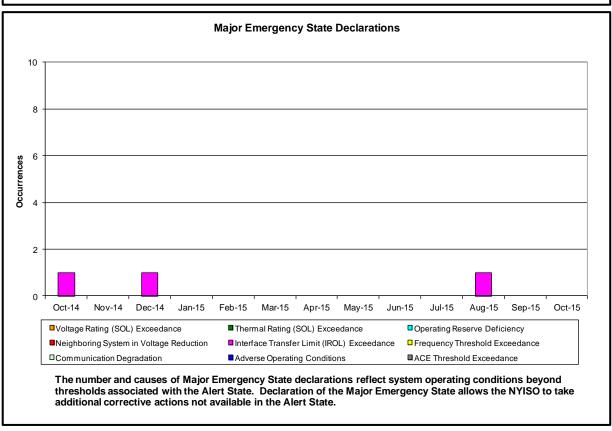
Spot Auction Price Results	NYCA	Lower Hudson Valley Zones	New York City Zone	Long Island Zone
November 2015 Spot Price	\$0.46	\$3.46	\$6.36	\$1.82
April 2015 Spot Price	\$0.75	\$2.82	\$7.30	\$2.92
Change	(\$0.29)	\$0.64	(\$0.94)	(\$1.10)

 Price changes from April 2015 to November 2015 are driven by changes in supply as well as Capability Year inputs such as demand curve parameters, Locational Capacity Requirements, the Installed Reserve Margin and the load forecast.

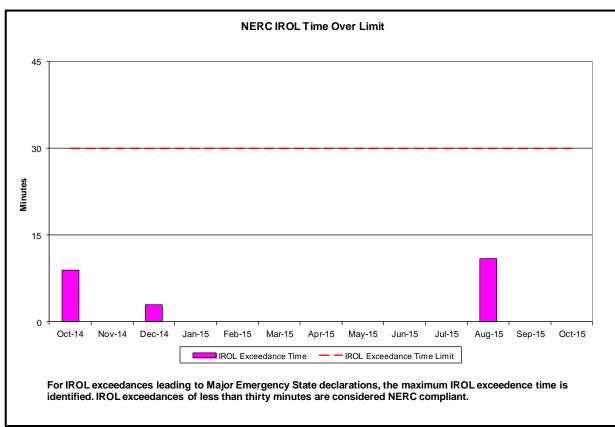


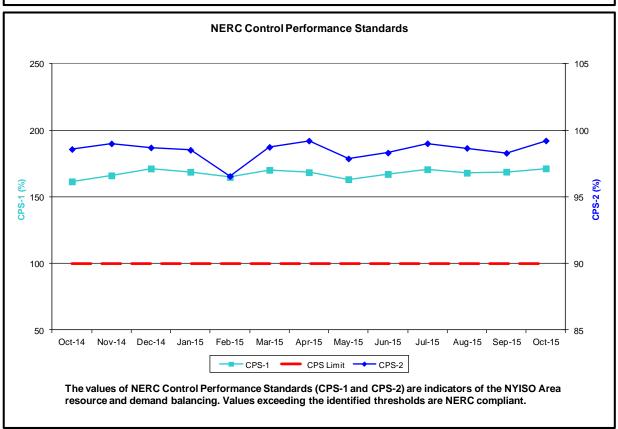
Reliability Performance Metrics



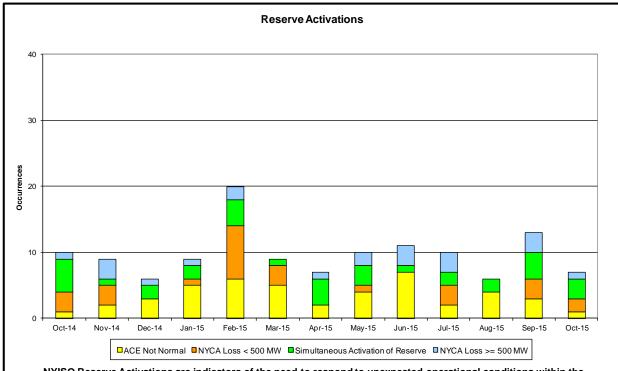


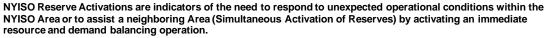


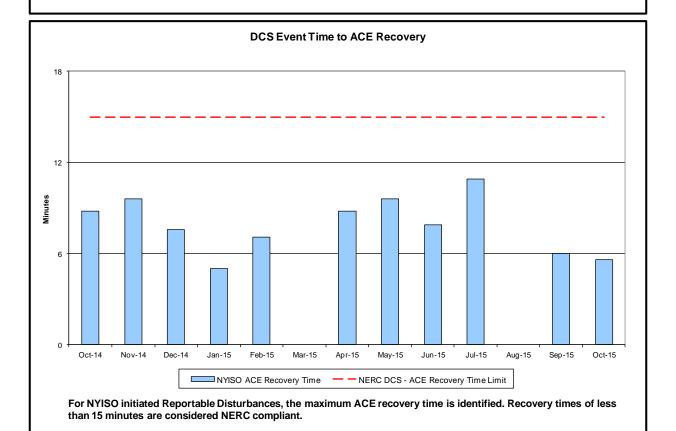




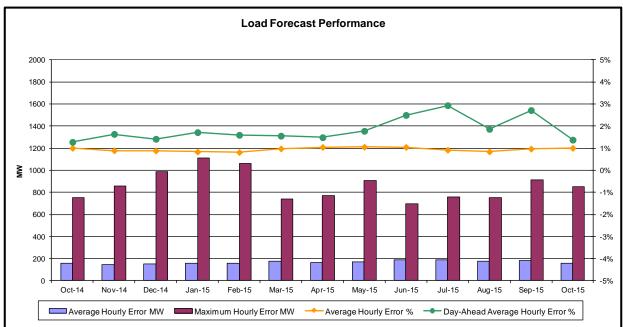








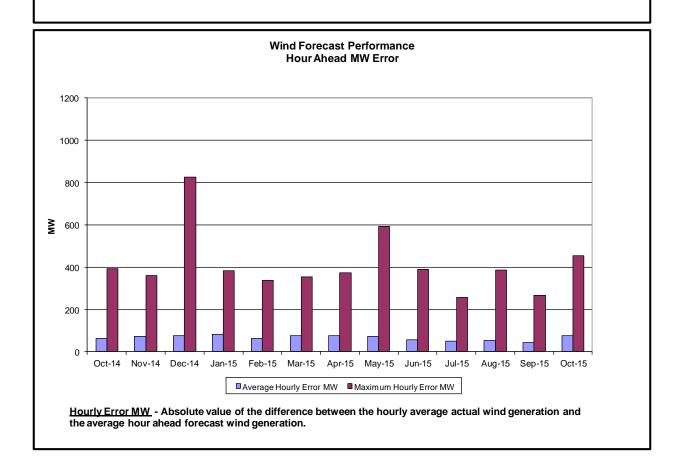




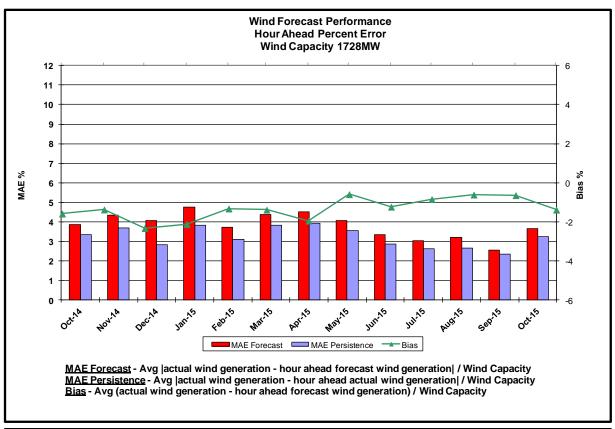
Hourly Error MW - Absolute value of the difference between the hourly average actual load demand and the average hour ahead forecast load demand.

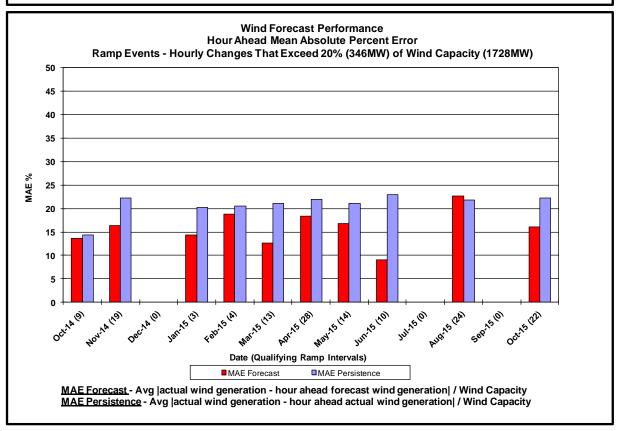
<u>Average Hourly Error %</u> - Average value of the ratio of hourly average error magnitude to hourly average actual load demand.

<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.

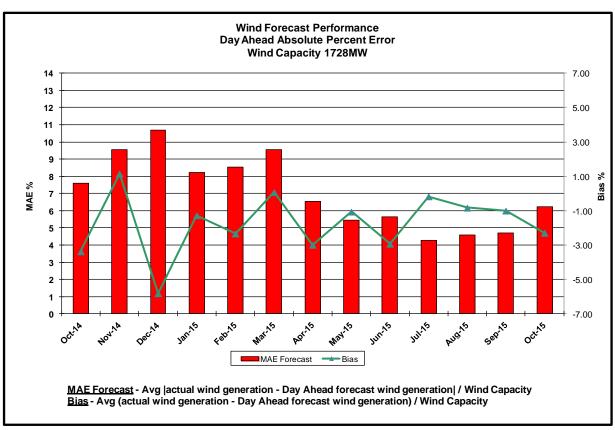


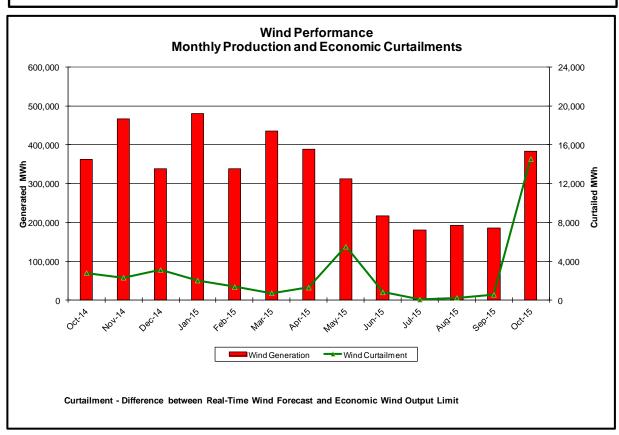




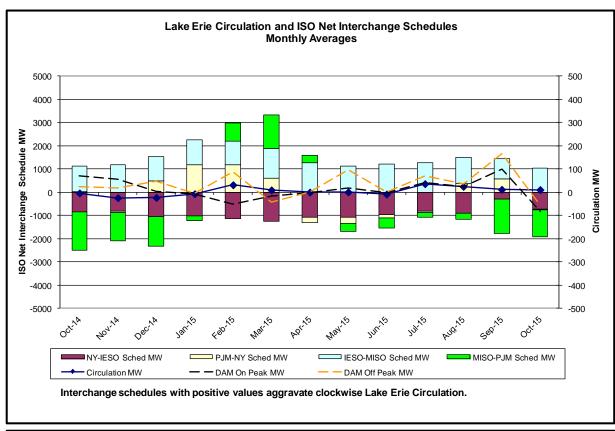


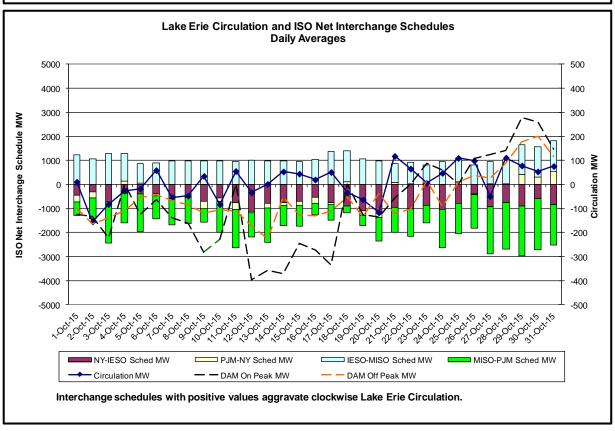






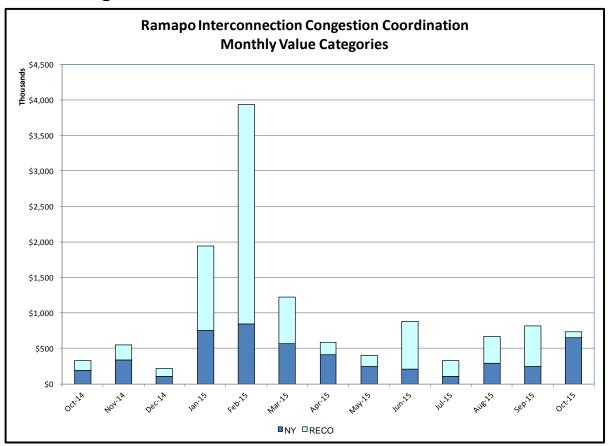


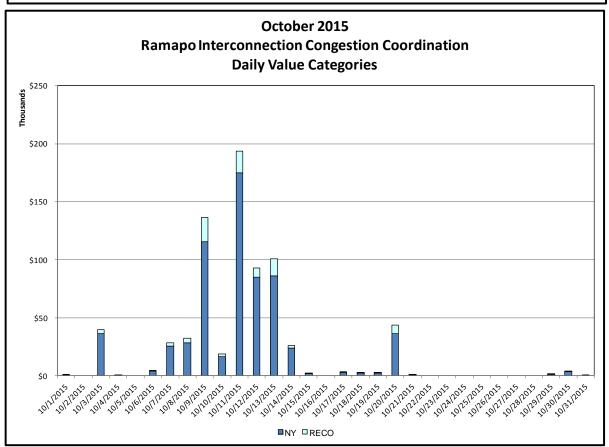






Broader Regional Market Performance Metrics







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.

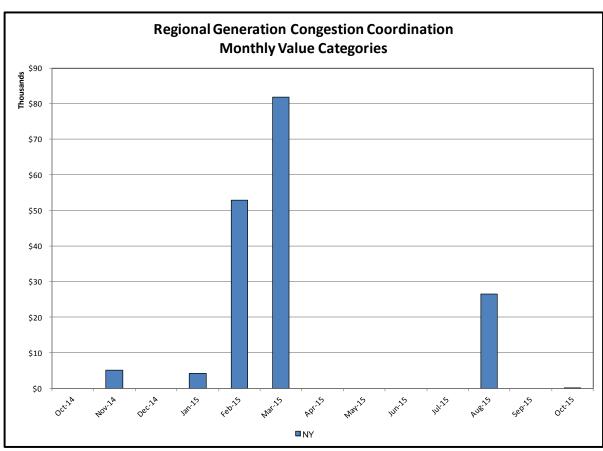
RECO

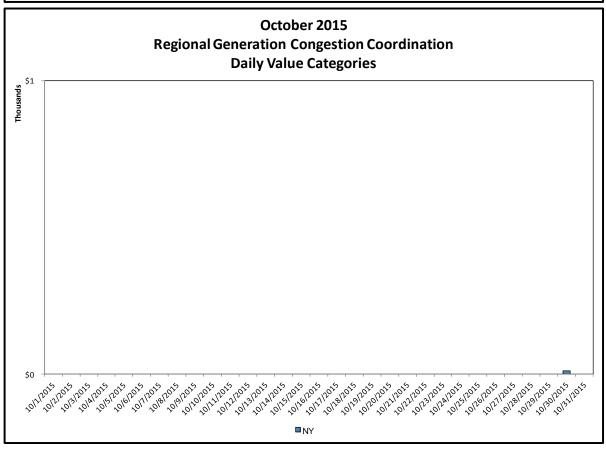
Represents the value of PJM's obligation to deliver 80% of service to RECO load over

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.









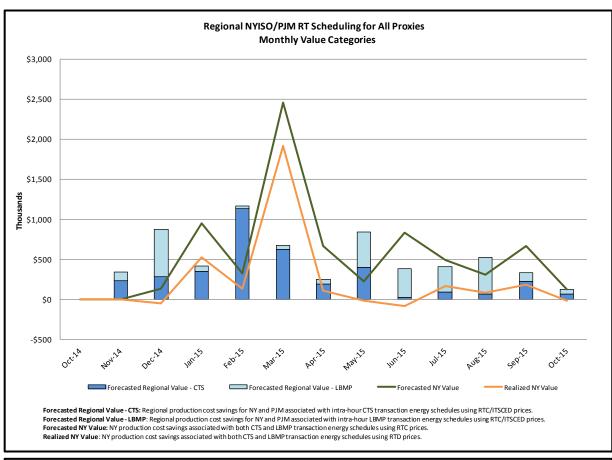
Regional Generation Congestion Coordination

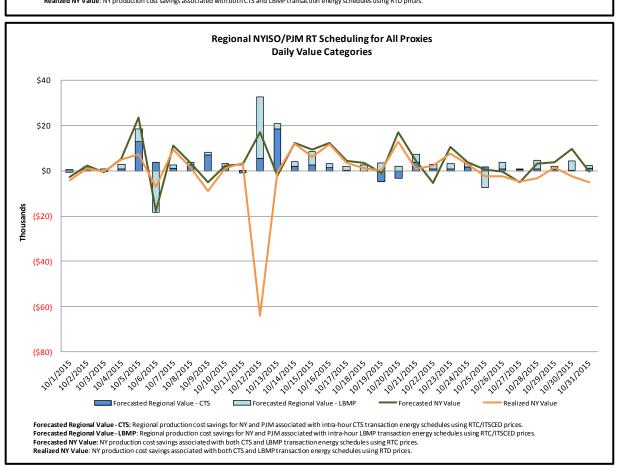
<u>Category</u> NY

<u>Description</u>

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.

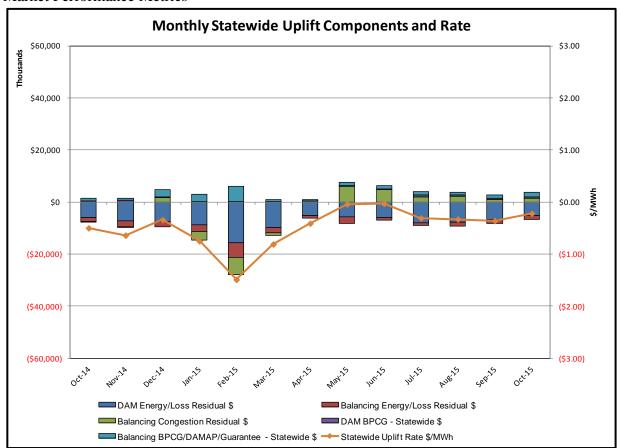




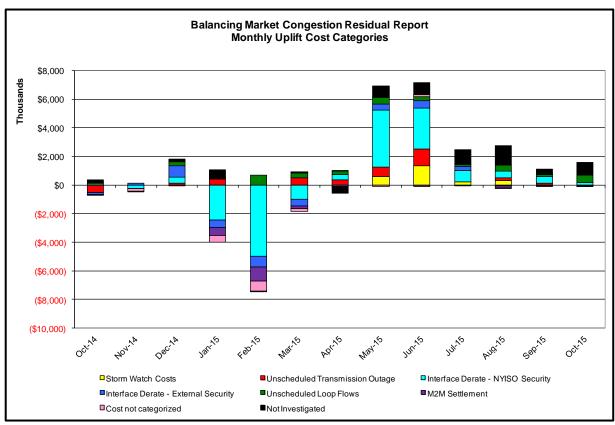


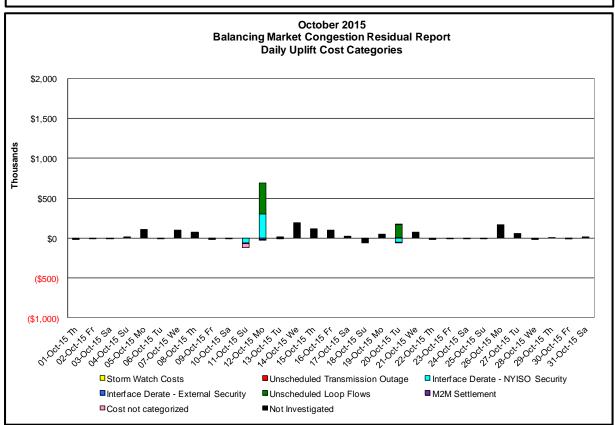


Market Performance Metrics











Day's	nvestigated in Octo	ber:11,12,20	
Event	Date (yyyymmdd)		Description
	10/11/2015	7,20-23	Uprate Central East
	10/11/2015	12,13	Uprate Dunwoodie-Shore Road 345kV (#Y50) for I/o NEPTUNE HVDC TIE LINE
	10/11/2015	20,23	NE_AC-NY Scheduling Limit
	10/11/2015	23	PJM_AC DNI Ramp Limit
	10/12/2015	14,17,18	NYCA DNI Ramp Limit
	10/12/2015	0-2,6,7	Uprate Central East
	10/12/2015	8-13,15	Derate Dunwoodie-Shore Road 345kV (#Y50)
	10/12/2015	17	Derate Gowanus-Greenwood 138kV (#42232)
	10/12/2015	15-17	Derate Gowanus-Greenwood 138kV (#42231) for I/o \$SCB:GOW(6):25&42232 G23LM O/S
	10/12/2015	14,18	Uprate Greenwood-Vernon 230kV (#31231) for I/o \$SCB:GOW(6):25&42232 G23LM O/S
	10/12/2015	4,6	Uprate Moses South
	10/12/2015	9-13,15,16	Derate Niagara-Packard 230kV (#61) for I/o TWR:PACKARD 62 & BP76
	10/12/2015	10,11	Derate Packard-Sawyer 230kV (#77) for I/o Packard-Sawyer 230kV (#78)
	10/12/2015	14	Uprate Packard-Sawyer 230kV (#77) for I/o Packard-Sawyer 230kV (#78)
	10/12/2015	17	Derate Rainey-Vernon 138kV (#36312)
	10/12/2015	0,14	PJM_AC DNI Ramp Limit
	10/12/2015	18	NE_NNC1385-NY scheduling Limit
	10/12/2015	8-13,15,16	Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Niagara-Packard 230kV (#61)
	10/12/2015	16	Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Central East
	10/12/2015	10,11,13,15,17	Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Packard-Sawyer 230kV (#77)
	10/20/2015	16,17	Derate Central East
	10/20/2015	5,6	Uprate Central East
	10/20/2015	12,13,22	Uprate Gowanus-Greenwood 138kV (#42231) for I/o \$SCB:GOW(6):G23LM&GRENWD 7N O/S
	10/20/2015	8	Uprate Greenwood-Vernon 138kV (#31231) for I/o \$SCB:GOW(6):25&42232/GWD 7N O/S
	10/20/2015	12,13,22	Uprate Greenwood-Vernon 138kV (#31231) for I/o \$SCB:GOW(6):G23LM&GRENWD 7N O/S
	10/20/2015	12,13,18	Uprate Moses South
	10/20/2015	18	Uprate Packard-Sawyer 230kV (#77) for I/o Packard-Sawyer 230kV (#78)
	10/20/2015	4,	Derate SprainBrook-East Garden City 345kV (#Y49) for I/o Dunwoodie-Shore Road 345kV (#Y50)
	10/20/2015	21	NE_AC-NY Scheduling Limit
	10/20/2015	16,17	Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Central East
	10/20/2015	17,19	Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Niagara-Packard 230kV (#61)



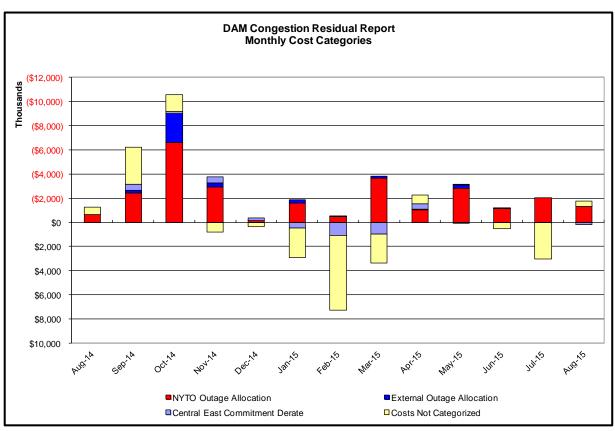
Real-Time Balancine	Market Congestion Resi	dual (Uplift Cost) Categories

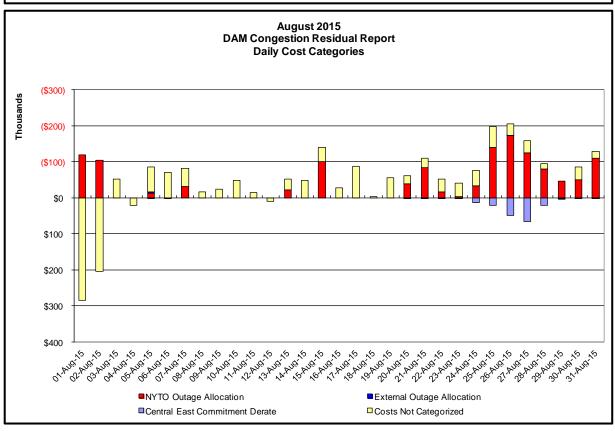
Event Examples Category Cost Assignment Events Types Storm Watch Zone J Thunderstorm Alert (TSA) TSA Activations Unscheduled Transmission Outage Market-wide Reduction in DAM to RTM transfers Forced Line Outage, Unit AVR Outages related to unscheduled transmission outage Interface Derate - NYISO Security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

Monthly Balancing Market Congestion Report Assumptions/Notes

- 1) Storm Watch Costs are identified as daily total uplift costs
- 2) Days with a value of BMCR less M2M Settlement of \$100 K/HR, shortfall of \$200 K/Day or more, or surplus of \$100 K/Day or more are investigated.
- 3) Uplift costs associated with multiple event types are apportioned equally by hour



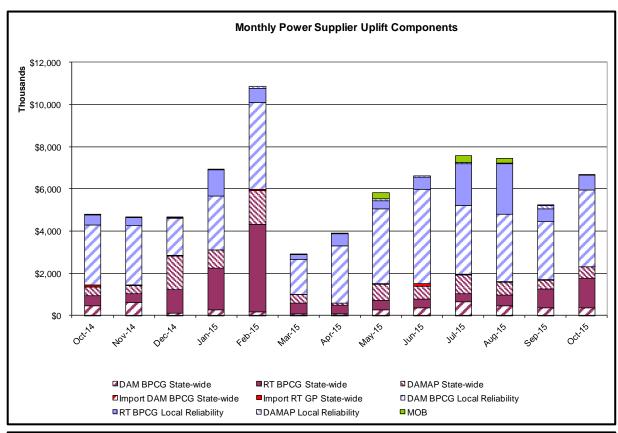


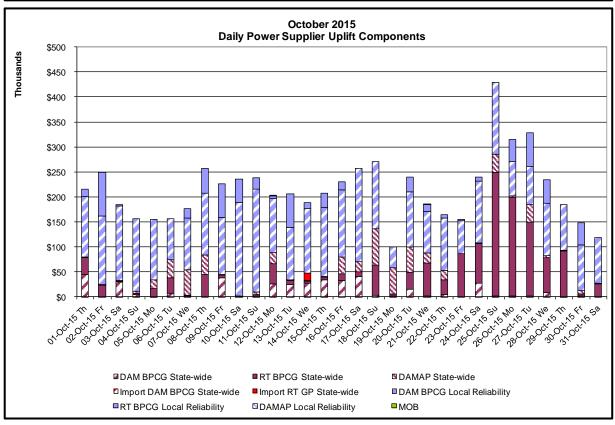




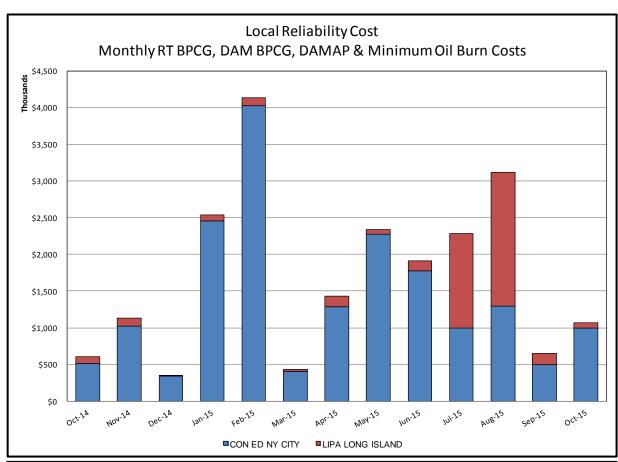
<u>Day-</u>	Ahead Market Co	ngestion Residual Categories	
<u>Category</u> NYTO Outage Allocation	<u>Cost Assignment</u> Responsible TO		Event Examples DAM scheduled outage for equipment modeled inservice for the TCC Auction.
External Outage Allocation	All TO by Monthly Allocation Factor	Direct allocation 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.	

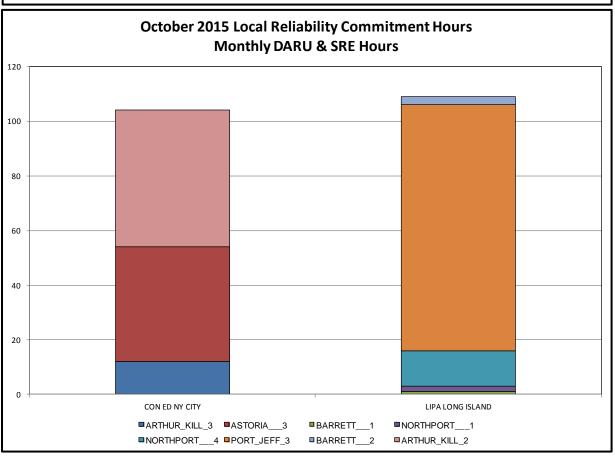




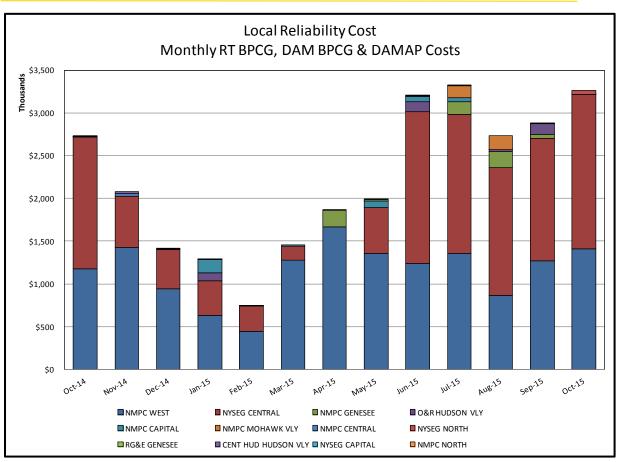


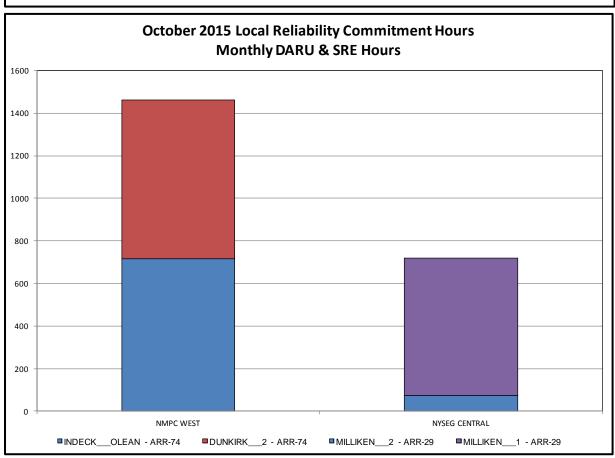




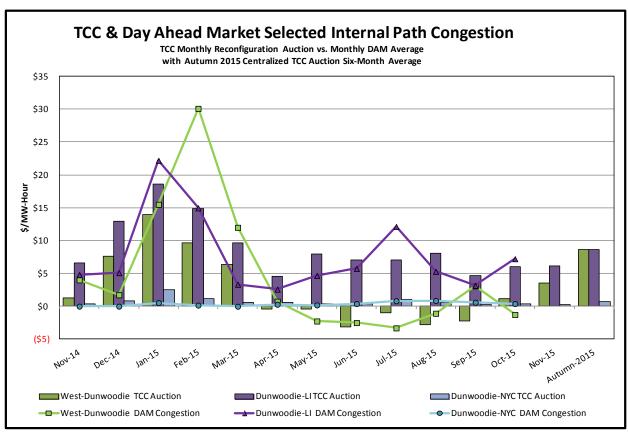


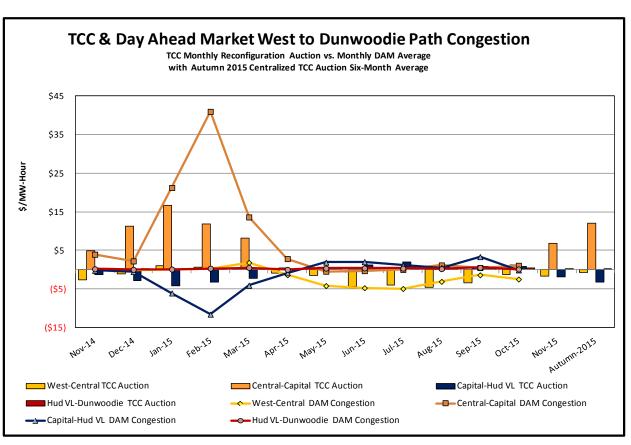




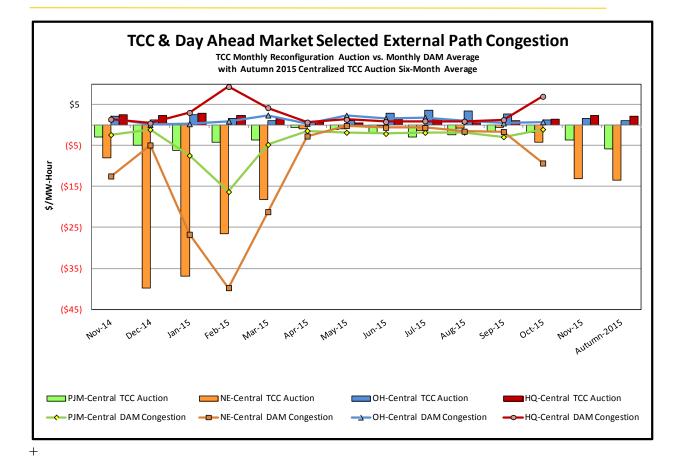




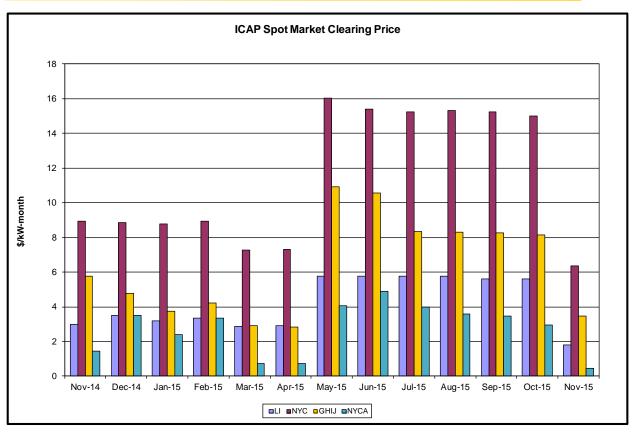


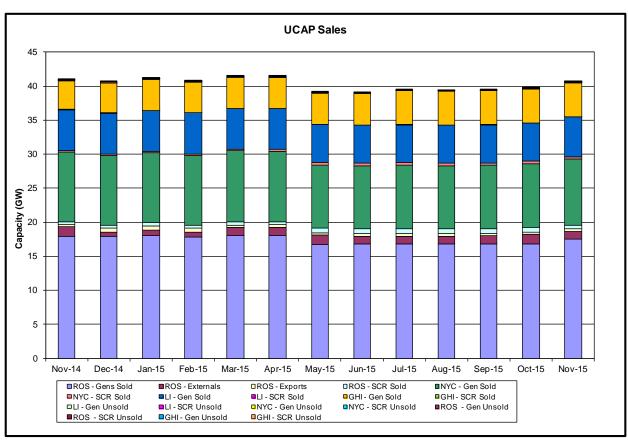










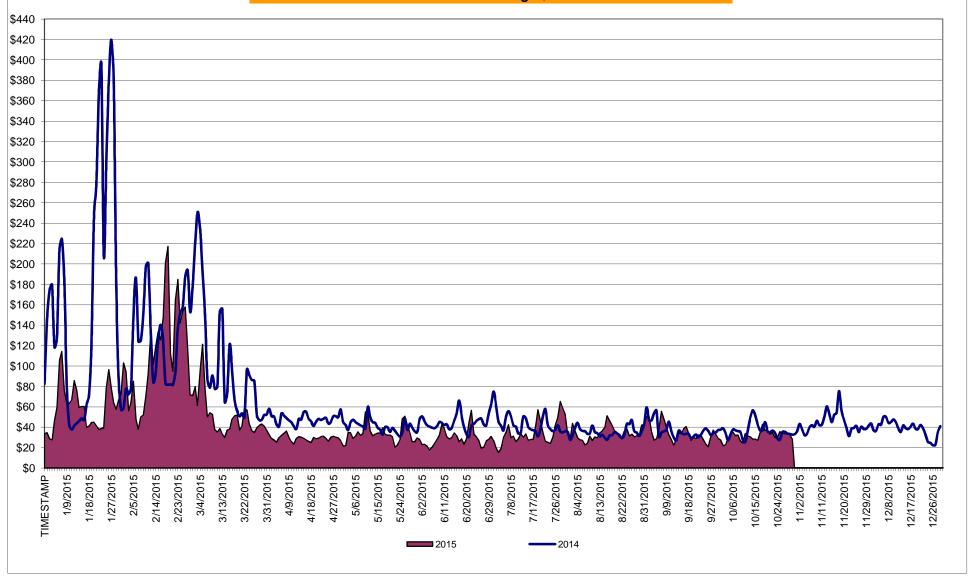


Market Performance Highlights for October 2015

- LBMP for October is \$30.03/MWh; lower than \$34.39/MWh in September 2015 and \$35.61/MWh in October 2014.
 - Day Ahead and Real Time Load Weighted LBMPs are lower compared to September.
 - This is the lowest LBMP for the month of October during NYISO operation.
- October 2015 average year-to-date monthly cost of \$47.17/MWh is a 37% decrease from \$74.63/MWh in October 2014.
- Average daily sendout is 389 GWh/day in October; lower than 473 GWh/day in September 2015 and 394 GWh/day in October 2014.
- Natural gas prices were higher compared to the previous month and distillate prices were lower compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$2.16/MMBtu, up from \$2.09/MMBtu in September.
 - Jet Kerosene Gulf Coast was \$10.33/MMBtu, down from \$10.39/MMBtu in September.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$10.53/MMBtu, down from \$10.79/MMBtu in September.
- Uplift per MWh is higher compared to the previous month.
 - Uplift (not including NYISO cost of operations) is \$0.11/MWh; higher than (\$0.14)/MWh in September.
 - The Local Reliability Share is \$0.33/MWh, higher than \$0.22 in September.
 - The Statewide Share is (\$0.22)/MWh, higher than (\$0.37)/MWh in September.
 - TSA \$ per NYC MWh is \$0.00/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than September.

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

2014 Annual Average \$69.31MWh October 2014 YTD Average \$74.63/MWh October 2015 YTD Average \$47.17/MWh

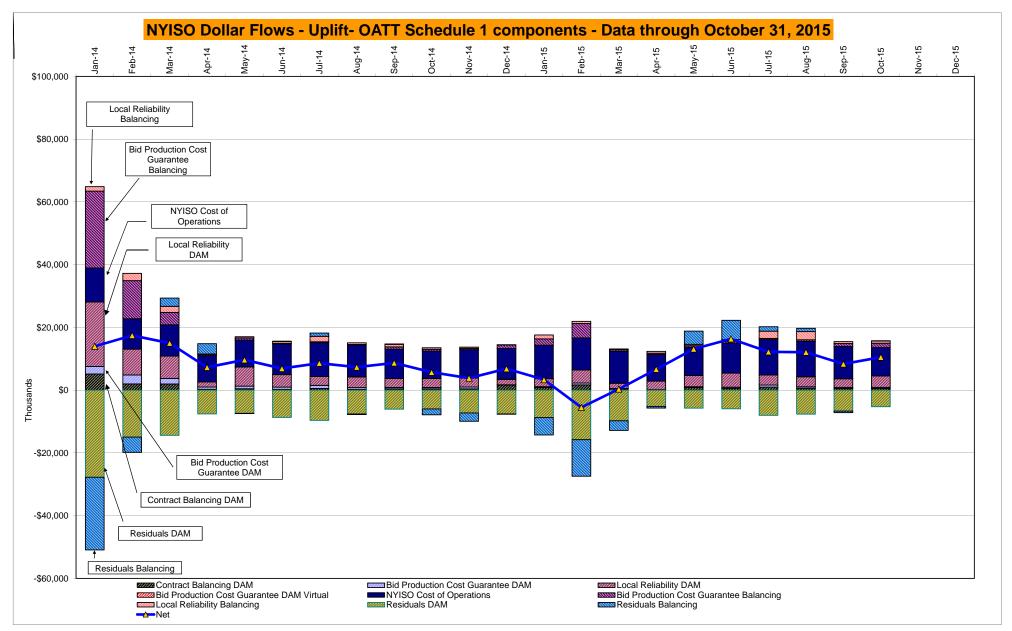


^{*} Excludes ICAP payments.

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

2015	<u>January</u>	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	59.61	114.37	52.09	28.36	32.98	28.20	34.78	33.09	34.39	30.03		
NTAC	0.32	0.35	0.41	0.64	0.56	0.80	0.55	0.60	0.73	0.54		
Reserve	0.27	0.37	0.56	0.36	0.38	0.24	0.27	0.20	0.28	0.28		
Regulation	0.10	0.18	0.11	0.12	0.10	0.13	0.12	0.12	0.10	0.12		
NYISO Cost of Operations	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70		
Uplift	(0.48)	(1.08)	(0.68)	(0.15)	0.26	0.33	0.04	0.03	(0.14)	0.11		
Uplift: Local Reliability Share	0.25	0.33	0.13	0.27	0.30	0.37	0.34	0.36	0.22	0.33		
Uplift: Statewide Share	(0.73)	(1.41)	(0.81)	(0.42)	(0.05)	(0.04)	(0.31)	(0.33)	(0.37)	(0.22)		
Voltage Support and Black Start	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39		
Avg Monthly Cost	60.91	115.27	53.58	30.41	35.37	30.79	36.84	35.13	36.45	32.17		
		110.27	00.00									
Avg YTD Cost	60.91	87.74	76.64	66.82	60.96	56.02	52.77	50.20	48.60	47.17		
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.17	0.50	0.07	0.06	0.01	0.00		
2014	January	<u>February</u>	March	April	May	June	July	August	September	October	November	December
LBMP	183.36	123.19	109.58	46.09	40.30	43.39	43.97	34.48	37.63	35.61	42.89	38.08
NTAC	0.56	0.64	0.39	1.18	0.69	0.78	0.43	0.41	0.50	0.57	0.68	0.86
Reserve	0.78	0.49	0.56	0.46	0.28	0.27	0.26	0.26	0.29	0.48	0.37	0.23
Regulation	0.27	0.21	0.22	0.13	0.12	0.12	0.12	0.13	0.11	0.12	0.11	0.08
NYISO Cost of Operations	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Uplift	0.22	0.56	0.35	(0.09)	0.07	(0.21)	(0.26)	(0.19)	(0.20)	(0.24)	(0.40)	(0.20)
Uplift: Local Reliability Share	1.43	0.75	0.62	0.15	0.51	0.32	0.29	0.27	0.26	0.26	0.24	0.13
Uplift: Statewide Share	(1.21)	(0.19)	(0.27)	(0.24)	(0.44)	(0.53)	(0.55)	(0.45)	(0.46)	(0.50)	(0.64)	(0.33)
Voltage Support and Black Start	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Avg Monthly Cost	186.24	126.14	112.15	48.82	42.51	45.39	45.57	36.14	39.38	37.59	44.71	40.09
Avg Monthly Cost	100.24	120.14	112.13	40.02	42.51	45.55	45.57	30.14	39.30	37.39	44.71	40.09
Avg YTD Cost	186.24	157.93	142.77	121.97	108.36	97.84	89.46	82.60	78.07	74.63	72.06	69.31
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.00	0.03	0.35	0.00	0.42	0.00	0.00	0.00
2013	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
LBMP	79.77	85.76	48.94	44.47	52.21	50.17	68.49	40.81	44.24	39.85	43.30	66.41
NTAC	0.79	0.83	0.76	0.90	0.85	0.86	0.66	0.28	0.57	0.87	1.08	0.59
Reserve	0.38	0.44	0.43	0.36	0.49	0.34	0.50	0.32	0.38	0.42	0.38	0.44
Regulation	0.13	0.13	0.10	0.11	0.09	0.13	0.11	0.13	0.13	0.16	0.13	0.12
NYISO Cost of Operations	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Uplift	0.21	(0.15)	(0.33)	0.02	0.41	0.49	2.06	0.03	(0.05)	0.18	(0.07)	(0.25)
Uplift: Local Reliability Share	0.44	0.40	0.19	0.37	0.58	0.81	1.27	0.49	0.31	0.38	0.19	0.12
Uplift: Statewide Share	(0.23)	(0.55)	(0.52)	(0.35)	(0.17)	(0.31)	0.79	(0.46)	(0.36)	(0.19)	(0.25)	(0.37)
Voltage Support and Black Start	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Avg Monthly Cost	82.34	88.06	50.96	46.91	55.10	53.05	72.87	42.62	46.31	42.54	45.88	68.36
Avg Monthly Cost		00.00	50.50	TO.31	55.10	55.05	12.01	72.02	70.51	72.04		00.00
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

* Excludes ICAP payments. Market Mitigation and Analysis Prepared: 11/5/2015 10:37 AM Data reflects true-ups thru June 2015.



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>2015</u>	<u>January</u>	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
Day Ahead Market MWh	15,961,306	14,967,371	15,059,207	12,589,321	13,291,917	14,277,299	16,573,027	16,333,932	14,740,907	13,546,033		
DAM LSE Internal LBMP Energy Sales	55%	54%	53%	55%	57%	57%	62%	61%	58%	53%		
DAM External TC LBMP Energy Sales	5%	6%	6%	4%	2%	1%	1%	1%	3%	6%		
DAM Bilateral - Internal Bilaterals	35%	33%	33%	33%	35%	33%	30%	31%	31%	34%		
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	3%	5%	5%	6%	4%	5%	4%	4%	5%	5%		
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	1%	2%	1%	1%	1%	1%	1%	2%		
DAM Bilateral - Wheel Through Bilaterals	0%	1%	1%	1%	0%	2%	2%	2%	2%	1%		
Balancing Energy Market MWh	-650,944	-296,616	-396,739	-409,205	-331,091	-549,794	-500,469	-225,362	-31,706	-595,704		
Balancing Energy LSE Internal LBMP Energy Sales	-149%	-247%	-192%	-147%	-142%	-106%	-121%	-139%	-357%	-116%		
Balancing Energy External TC LBMP Energy Sales	30%	113%	64%	36%	35%	16%	25%	51%	115%	13%		
Balancing Energy Bilateral - Internal Bilaterals	13%	14%	19%	5%	6%	6%	13%	25%	251%	7%		
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%		
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	6%	8%	12%	12%	10%	4%	3%	8%	48%	5%		
Balancing Energy Bilateral - Wheel Through Bilaterals	0%	12%	-4%	-5%	-9%	-22%	-21%	-44%	-157%	-9%		
Transactions Summary												
LBMP	58%	59%	57%	57%	58%	57%	61%	61%	61%	56%		
Internal Bilaterals	37%	34%	35%	35%	36%	35%	32%	32%	32%	36%		
Import Bilaterals	3%	5%	5%	6%	4%	5%	5%	5%	5%	5%		
Export Bilaterals	2%	2%	2%	2%	2%	1%	1%	1%	1%	2%		
Wheels Through	0%	1%	1%	0%	0%	1%	1%	1%	1%	0%		
Market Share of Total Load	070	170	170	070	070	170	170	170	170	070		
Day Ahead Market	104.3%	102.0%	102.7%	103.4%	102.6%	104.0%	103.1%	101.4%	100.2%	104.6%		
Balancing Energy +	-4.3%	-2.0%	-2.7%	-3.4%	-2.6%	-4.0%	-3.1%	-1.4%	-0.2%	-4.6%		
Total MWH	15,310,362		14,662,468	12,180,116	12,960,826	13,727,505	16,072,558		14,709,201	12,950,329		
Average Daily Energy Sendout/Month GWh	462	481	436	387	409	450	512	511	473	389		
Average Daily Energy deridedentional GWII	+02	401	+00	307	+00	+00	312	311	710	303		
2017	lanuan/	February	March	Δnril	May	luna	luky	August	Santambar	October	November	December
2014	January	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	<u>December</u>
Day Ahead Market MWh	16,034,264	14,409,515	14,633,570	12,101,747	12,984,458	14,719,929	16,528,338	15,536,610	14,312,509	13,684,158	13,945,509	14,992,656
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales	16,034,264 52%	14,409,515 50%	14,633,570 53%	12,101,747 56%	12,984,458 53%	14,719,929 54%	16,528,338 58%	15,536,610 57%	14,312,509 56%	13,684,158 54%	13,945,509 54%	14,992,656 54%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales	16,034,264 52% 5%	14,409,515 50% 7%	14,633,570 53% 6%	12,101,747 56% 3%	12,984,458 53% 2%	14,719,929 54% 3%	16,528,338 58% 1%	15,536,610 57% 0%	14,312,509 56% 1%	13,684,158 54% 2%	13,945,509 54% 5%	14,992,656 54% 5%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals	16,034,264 52% 5% 36%	14,409,515 50% 7% 36%	14,633,570 53% 6% 35%	12,101,747 56% 3% 33%	12,984,458 53% 2% 38%	14,719,929 54% 3% 36%	16,528,338 58% 1% 34%	15,536,610 57% 0% 35%	14,312,509 56% 1% 36%	13,684,158 54% 2% 38%	13,945,509 54% 5% 36%	14,992,656 54% 5% 36%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals	16,034,264 52% 5% 36% 5%	14,409,515 50% 7% 36% 5%	14,633,570 53% 6% 35% 5%	12,101,747 56% 3% 33% 6%	12,984,458 53% 2% 38% 5%	14,719,929 54% 3% 36% 5%	16,528,338 58% 1% 34% 4%	15,536,610 57% 0% 35% 5%	14,312,509 56% 1% 36% 4%	13,684,158 54% 2% 38% 4%	13,945,509 54% 5% 36% 3%	14,992,656 54% 5% 36% 3%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals	16,034,264 52% 5% 36% 5% 2%	14,409,515 50% 7% 36% 5% 1%	14,633,570 53% 6% 35% 5% 1%	12,101,747 56% 3% 33% 6% 2%	12,984,458 53% 2% 38% 5% 2%	14,719,929 54% 3% 36% 5% 1%	16,528,338 58% 1% 34% 4% 1%	15,536,610 57% 0% 35% 5% 1%	14,312,509 56% 1% 36% 4% 1%	13,684,158 54% 2% 38% 4% 2%	13,945,509 54% 5% 36% 3% 2%	14,992,656 54% 5% 36% 3% 2%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals	16,034,264 52% 5% 36% 5% 2% 1%	14,409,515 50% 7% 36% 5% 1% 1%	14,633,570 53% 6% 35% 5% 1% 1%	12,101,747 56% 3% 33% 6% 2% 0%	12,984,458 53% 2% 38% 5% 2% 1%	14,719,929 54% 3% 36% 5% 1%	16,528,338 58% 1% 34% 4% 1% 1%	15,536,610 57% 0% 35% 5% 1%	14,312,509 56% 1% 36% 4% 1% 1%	13,684,158 54% 2% 38% 4% 2% 0%	13,945,509 54% 5% 36% 3% 2% 0%	14,992,656 54% 5% 36% 3% 2% 0%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh	16,034,264 52% 5% 36% 5% 2% 1%	14,409,515 50% 7% 36% 5% 1% 1% -298,340	14,633,570 53% 6% 35% 5% 1% 1% -116,173	12,101,747 56% 3% 33% 6% 2% 0% 54,298	12,984,458 53% 2% 38% 5% 2% 1% -510,467	14,719,929 54% 3% 36% 5% 1% 1% -558,413	16,528,338 58% 1% 34% 4% 1% 1% -854,501	15,536,610 57% 0% 35% 5% 1% 1% -764,108	14,312,509 56% 1% 36% 4% 1% 1% -674,285	13,684,158 54% 2% 38% 4% 2% 0%	13,945,509 54% 5% 36% 3% 2% 0% -750,627	14,992,656 54% 5% 36% 3% 2% 0% -705,848
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203%	14,633,570 53% 6% 35% 5% 1% 1% -116,173 -294%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114%	16,528,338 58% 1% 34% 4% 1% 1% -854,501 -116%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22%	16,528,338 58% 1% 34% 4% 1% 1% -854,501 -116% 18%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 27%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 7%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 4%	15,536,610 57% 0% 35% 5% 1% -764,108 -117% 15% 7%	14,312,509 56% 1% 36% 4% 1% -674,285 -129% 24% 7%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0%	14,409,515 50% 7% 36% 5% 1% -298,340 -203% 76% 26% 0%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69% 12%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 27% 0%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 3%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 7% 0%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 4% 0%	15,536,610 57% 0% 35% 5% 1% -764,108 -117% 15% 7% 0%	14,312,509 56% 1% 36% 4% 1% 16 -674,285 -129% 24% 7% 2%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0%
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Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0%	14,409,515 50% 7% 36% 5% 1% -298,340 -203% 76% 26% 0%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69% 12%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 27% 0%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 3%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 7% 0%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 4% 0%	15,536,610 57% 0% 35% 5% 1% -764,108 -117% 15% 7% 0%	14,312,509 56% 1% 36% 4% 1% 16 -674,285 -129% 24% 7% 2%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11% -4%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26% 0% 6% -6%	14,633,570 53% 6% 35% 5% 1% 1-116,173 -294% 69% 69% 12% 25% -10%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 207% 67% -12%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 3% 4%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22% 7% 0% 3% -18%	16,528,338 58% 1% 34% 4% 1% 1-854,501 -116% 4% 0% 2% -8%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15% 0% 2% -7%	14,312,509 56% 1% 36% 4% 1% -674,285 -129% 24% 7% 2% 3% -7%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 1% 3% -1%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11% -4%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26% 0% 6% -6%	14,633,570 53% 6% 35% 5% 1% 1-116,173 -294% 69% 12% 25% -10%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 27% 0% 67% -12%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 3% 4% 1%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22% 7% 0% 3% -18%	16,528,338 58% 1% 34% 4% 1% 1.6 -854,501 -116% 18% 0% 2% -8%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15% 0% 0% -7%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 22% 3% -7%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3% -1%	13,945,509 54% 5% 36% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11% -4%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26% 0% 6% -6% 56% 37%	14,633,570 53% 6% 35% 5% 1% 1-116,173 -294% 97% 69% 12% 25% -10%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 0% 67% -12% 59% 33%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 3% 4% 1%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22% 7% 0% 3% -18%	16,528,338 58% 1% 34% 4% 1% 1-854,501 -116% 18% 0% 2% -8%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15% 0% 2% -7% 55% 37%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3% -1%	13,945,509 54% 5% 36% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 2% 0% -705,848 -137% 28% 4% 0% 3% 11% 56% 38%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 0% 11% -4%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26% 6% -6% 56% 37% 5%	14,633,570 53% 6% 35% 5% 1% 1-116,173 -294% 97% 69% 12% 25% -10%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 0% 67% -12% 59% 33% 6%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1% 53% 39% 5%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22% 7% 0% 3% -18% 55% 38% 5%	16,528,338 58% 1% 34% 4% 1% 1-16% -854,501 -116% 4% 0% 2% -8% 57% 36% 5%	15,536,610 57% 0% 35% 5% 1% 1-764,108 -117% 15% 7% 0% 2% -7% 55% 37% 5%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3% -1% 52% 42% 44%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38% 38% 3%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Export Bilaterals Import Bilaterals Export Bilaterals	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 0% 11% -4% 56% 37% 5% 2%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26% 0% 6% -6% 56% 37% 5% 1%	14,633,570 53% 6% 35% 5% 1% 1-416,173 -294% 97% 69% 12% -10%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 67% -12% 59% 33% 6% 2%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1% 53% 39% 5% 2%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22% 7% 0% 3% -18% 55% 38% 5% 1%	16,528,338 58% 1% 34% 4% 1% 1% -854,501 -116% 18% 4% 0% -8% 57% 36% 5% 1%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15% 7% 0% -7% 55% 37% 55% 2%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5% 2%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3% -1% 52% 42% 44% 2%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38% 38% 38% 2%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Wheels Through	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 0% 11% -4%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26% 6% -6% 56% 37% 5%	14,633,570 53% 6% 35% 5% 1% 1-116,173 -294% 97% 69% 12% 25% -10%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 0% 67% -12% 59% 33% 6%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1% 53% 39% 5%	14,719,929 54% 3% 36% 5% 1% 1% -558,413 -114% 22% 7% 0% 3% -18% 55% 38% 5%	16,528,338 58% 1% 34% 4% 1% 1-16% -854,501 -116% 4% 0% 2% -8% 57% 36% 5%	15,536,610 57% 0% 35% 5% 1% 1-764,108 -117% 15% 7% 0% 2% -7% 55% 37% 5%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 7% 1% 3% -1% 52% 42% 44%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38% 38%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - 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	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% -4% 56% 37% 5% 2% 1%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26% 0% 6% -6% 56% 37% 5% 1% 1%	14,633,570 53% 6% 35% 5% 1% 1-116,173 -294% 97% 69% 12% -10% 57% 36% 5% 2% 1%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 27% 0% 67% -12% 59% 33% 6% 2% 0%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 3% 4% 1% 53% 39% 5% 2% 1%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 7% 0% 3% -18% 55% 38% 5% 1%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 4% 0% 2% -8% 57% 36% 5% 1% 1%	15,536,610 57% 0% 35% 5% 1% -764,108 -117% 15% 7% 0% 2% -7% 55% 37% 5% 2% 1%	14,312,509 56% 1% 36% 4% 1% 16 -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5% 2% 1%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 1% 3% -1% 52% 42% 42% 2% 0%	13,945,509 54% 56% 36% 36% 2% 0% -750,627 -134% 20% 9% 0% 5% 0% 55% 39% 4% 2% 1%	14,992,656 54% 58 36% 38% 29 0% -705,848 -137% 28% 4% 0% 3% 1% 56% 38% 3% 2% 0%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11% -4% 56% 37% 5% 2% 1%	14,409,515 50% 7% 36% 5% 1% -298,340 -203% 76% 26% 0% 6% -6% 56% 37% 5% 1% 102.1%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69% 12% 25% -10% 57% 36% 5% 2% 1%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 27% 0% 67% -12% 59% 33% 6% 2% 0%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 3% 4% 1% 53% 39% 5% 2% 1%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 0% 3% -18% 55% 38% 5% 1% 103.9%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 18% 4% 0% 2% -8% 57% 36% 5% 1% 1%	15,536,610 57% 0% 35% 5% 1% -764,108 -117% 0% 2% -7% 55% 37% 55% 37% 105.2%	14,312,509 56% 1% 36% 4% 1% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5% 2% 1%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 1% 3% -1% 52% 42% 4% 0%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0% 4% 2% 1% 105.7%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 11% 56% 38% 3% 2% 0%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market Balancing Energy +	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11% -4% 56% 37% 5% 2% 1%	14,409,515 50% 7% 36% 5% 1% 1% -298,340 -203% 76% 26% 0% 6% -6% 56% 37% 5% 1% 1% 102.1% -2.1%	14,633,570 53% 6% 35% 5% 1% 1% -116,173 -294% 97% 69% 12% 25% -10% 57% 36% 5% 2% 1% 100.8% -0.8%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 27% 0% 67% -12% 59% 33% 6% 2% 0%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 21% 3% 4% 1% 53% 39% 5% 2% 1% 104.1% -4.1%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 0% 3% -18% 55% 38% 5% 1% 1% 103.9% -3.9%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 18% 4% 0% 2% -8% 57% 36% 5% 1% 1% 105.5% -5.5%	15,536,610 57% 0% 35% 5% 1% 1% -764,108 -117% 15% 7% 0% 2% -7% 55% 37% 55% 37% 5% 1% 105.2% -5.2%	14,312,509 56% 1% 36% 4% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5% 2% 104.9% -4.9%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 14% 3% -1% 52% 42% 42% 0% 107.9% -7.9%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0% 55% 39% 4% 2% 1% 105.7% -5.7%	14,992,656 54% 58% 36% 38% 2% 0% -705,848 -137% 28% 4% 0% 38% 1% 56% 38% 3% 2% 0% -104.9% -4.9%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market	16,034,264 52% 5% 36% 5% 2% 1% -249,484 -232% 105% 20% 0% 11% -4% 56% 37% 5% 2% 1%	14,409,515 50% 7% 36% 5% 1% -298,340 -203% 76% 26% 0% 6% -6% 56% 37% 5% 1% 102.1%	14,633,570 53% 6% 35% 5% 1% -116,173 -294% 97% 69% 12% 25% -10% 57% 36% 5% 2% 1%	12,101,747 56% 3% 33% 6% 2% 0% 54,298 -190% 207% 27% 0% 67% -12% 59% 33% 6% 2% 0%	12,984,458 53% 2% 38% 5% 2% 1% -510,467 -133% 3% 4% 1% 53% 39% 5% 2% 1%	14,719,929 54% 3% 36% 5% 1% -558,413 -114% 22% 0% 3% -18% 55% 38% 5% 1% 103.9%	16,528,338 58% 1% 34% 4% 1% -854,501 -116% 18% 4% 0% 2% -8% 57% 36% 5% 1% 1%	15,536,610 57% 0% 35% 5% 1% -764,108 -117% 0% 2% -7% 55% 37% 55% 37% 105.2%	14,312,509 56% 1% 36% 4% 1% -674,285 -129% 24% 7% 2% 3% -7% 55% 38% 5% 2% 104.9% -4.9%	13,684,158 54% 2% 38% 4% 2% 0% -999,342 -124% 1% 3% -1% 52% 42% 4% 0%	13,945,509 54% 5% 36% 3% 2% 0% -750,627 -134% 20% 9% 0% 5% 0% 4% 2% 1% 105.7%	14,992,656 54% 5% 36% 3% 2% 0% -705,848 -137% 28% 4% 0% 3% 11% 56% 38% 3% 2% 0%

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

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

Virtual Transactions are not reflected in this chart.

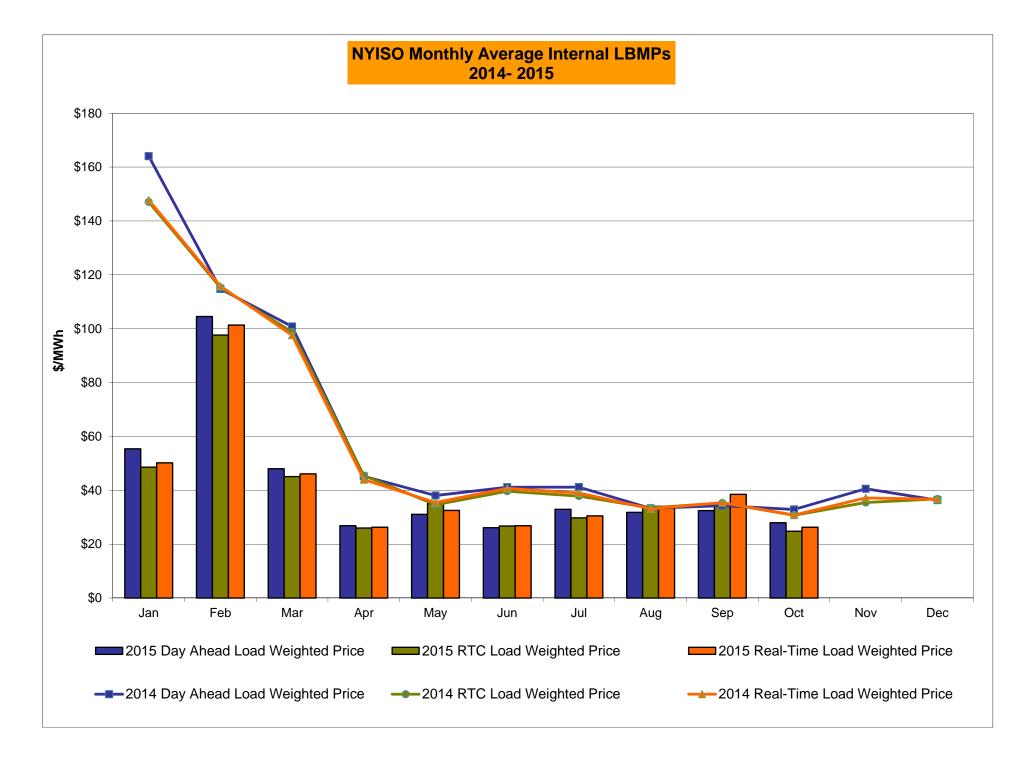
^{*} The signs for the detail section intuitively reflect the direction of power flow eliminating the use of double negatives when Balancing Energy is negative.

NYISO Markets 2015 Energy Statistics

DAY ALIEAD I DMD	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	December
<u>DAY AHEAD LBMP</u> Price *	\$53.35	\$101.48	\$46.59	\$26.07	\$29.21	\$24.30	\$30.27	\$30.01	\$30.18	\$27.11		
Standard Deviation	\$24.61	\$48.85	\$21.51	\$6.73	\$13.44	\$11.96	\$17.67	\$12.05	\$13.37	\$7.64		
Load Weighted Price **	\$55.40	\$104.52	\$48.01	\$26.84	\$31.08	\$26.12	\$32.94	\$31.81	\$32.46	\$27.95		
RTC LBMP												
Price *	\$46.98	\$95.06	\$43.43	\$25.11	\$32.85	\$24.73	\$27.51	\$31.83	\$32.39	\$23.97		
Standard Deviation	\$22.84	\$47.55	\$29.42	\$12.31	\$35.40	\$24.71	\$21.84	\$23.25	\$22.99	\$10.56		
Load Weighted Price **	\$48.59	\$97.62	\$45.10	\$26.00	\$35.08	\$26.73	\$29.76	\$34.04	\$34.99	\$24.79		
•	ψ10.00	ψ01.02	ψισιτο	Ψ20.00	φοσ.σσ	Ψ20.70	Ψ20.70	φο	ψο 1.00	Ψ2 σ		
REAL TIME LBMP												
Price *	\$48.51	\$98.83	\$44.38	\$25.46	\$30.39	\$23.96	\$27.71	\$31.54	\$34.82	\$25.50		
Standard Deviation	\$25.99	\$52.53	\$29.07	\$12.66	\$31.69	\$31.14	\$23.42	\$26.51	\$34.85	\$12.56		
Load Weighted Price **	\$50.18	\$101.34	\$46.10	\$26.28	\$32.52	\$26.86	\$30.50	\$34.05	\$38.48	\$26.29		
Average Daily Energy Sendout/Month GWh	462	481	436	387	409	450	512	511	473	389		
				NYISO	Markets	2014 Ene	ray Stati	stics				
				141100	mai koto	2011 2110	igy Clair	<u> </u>				
	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	July	<u>August</u>	<u>September</u>	October	November	<u>December</u>
DAY AHEAD LBMP	<u> </u>	·		<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August				
Price *	\$155.11	\$110.69	\$97.07	<u>April</u> \$44.16	<u>May</u> \$36.61	<u>June</u> \$39.17	<u>July</u> \$38.82	<u>August</u> \$31.78	\$32.49	\$31.65	\$39.19	\$35.12
Price * Standard Deviation	\$155.11 \$121.52	\$110.69 \$50.86	\$97.07 \$59.89	<u>April</u> \$44.16 \$8.90	May \$36.61 \$10.99	June \$39.17 \$12.29	July \$38.82 \$15.56	August \$31.78 \$9.90	\$32.49 \$11.59	\$31.65 \$9.77	\$39.19 \$13.38	\$35.12 \$11.21
Price *	\$155.11	\$110.69	\$97.07	<u>April</u> \$44.16	<u>May</u> \$36.61	<u>June</u> \$39.17	<u>July</u> \$38.82	<u>August</u> \$31.78	\$32.49	\$31.65	\$39.19	\$35.12
Price * Standard Deviation	\$155.11 \$121.52	\$110.69 \$50.86	\$97.07 \$59.89	<u>April</u> \$44.16 \$8.90	May \$36.61 \$10.99	June \$39.17 \$12.29	July \$38.82 \$15.56	August \$31.78 \$9.90	\$32.49 \$11.59	\$31.65 \$9.77	\$39.19 \$13.38	\$35.12 \$11.21
Price * Standard Deviation Load Weighted Price **	\$155.11 \$121.52	\$110.69 \$50.86	\$97.07 \$59.89	<u>April</u> \$44.16 \$8.90	May \$36.61 \$10.99	June \$39.17 \$12.29	July \$38.82 \$15.56	August \$31.78 \$9.90	\$32.49 \$11.59	\$31.65 \$9.77	\$39.19 \$13.38	\$35.12 \$11.21
Price * Standard Deviation Load Weighted Price ** RTC LBMP	\$155.11 \$121.52 \$164.06	\$110.69 \$50.86 \$114.77	\$97.07 \$59.89 \$100.81	April \$44.16 \$8.90 \$45.19	May \$36.61 \$10.99 \$38.05	<u>June</u> \$39.17 \$12.29 \$41.14	July \$38.82 \$15.56 \$41.18	August \$31.78 \$9.90 \$33.28	\$32.49 \$11.59 \$34.31	\$31.65 \$9.77 \$32.89	\$39.19 \$13.38 \$40.57	\$35.12 \$11.21 \$36.33
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price *	\$155.11 \$121.52 \$164.06 \$138.41	\$110.69 \$50.86 \$114.77	\$97.07 \$59.89 \$100.81	April \$44.16 \$8.90 \$45.19	May \$36.61 \$10.99 \$38.05	39.17 \$12.29 \$41.14 \$37.34	July \$38.82 \$15.56 \$41.18	August \$31.78 \$9.90 \$33.28	\$32.49 \$11.59 \$34.31 \$32.89	\$31.65 \$9.77 \$32.89 \$29.23	\$39.19 \$13.38 \$40.57	\$35.12 \$11.21 \$36.33 \$34.99
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price * Standard Deviation Load Weighted Price **	\$155.11 \$121.52 \$164.06 \$138.41 \$125.42	\$110.69 \$50.86 \$114.77 \$110.71 \$72.22	\$97.07 \$59.89 \$100.81 \$94.71 \$97.72	April \$44.16 \$8.90 \$45.19 \$44.00 \$27.44	May \$36.61 \$10.99 \$38.05 \$33.16 \$17.51	39.17 \$12.29 \$41.14 \$37.34 \$25.39	July \$38.82 \$15.56 \$41.18 \$35.32 \$24.90	\$31.78 \$9.90 \$33.28 \$31.74 \$23.34	\$32.49 \$11.59 \$34.31 \$32.89 \$33.68	\$31.65 \$9.77 \$32.89 \$29.23 \$20.45	\$39.19 \$13.38 \$40.57 \$34.27 \$14.23	\$35.12 \$11.21 \$36.33 \$34.99 \$35.81
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price * Standard Deviation Load Weighted Price ** REAL TIME LBMP	\$155.11 \$121.52 \$164.06 \$138.41 \$125.42 \$147.06	\$110.69 \$50.86 \$114.77 \$110.71 \$72.22 \$115.31	\$97.07 \$59.89 \$100.81 \$94.71 \$97.72 \$98.80	April \$44.16 \$8.90 \$45.19 \$44.00 \$27.44 \$45.48	May \$36.61 \$10.99 \$38.05 \$33.16 \$17.51 \$34.63	\$39.17 \$12.29 \$41.14 \$37.34 \$25.39 \$39.64	\$38.82 \$15.56 \$41.18 \$35.32 \$24.90 \$37.85	August \$31.78 \$9.90 \$33.28 \$31.74 \$23.34 \$33.48	\$32.49 \$11.59 \$34.31 \$32.89 \$33.68 \$35.31	\$31.65 \$9.77 \$32.89 \$29.23 \$20.45 \$30.74	\$39.19 \$13.38 \$40.57 \$34.27 \$14.23 \$35.46	\$35.12 \$11.21 \$36.33 \$34.99 \$35.81 \$36.79
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price * Standard Deviation Load Weighted Price ** REAL TIME LBMP Price *	\$155.11 \$121.52 \$164.06 \$138.41 \$125.42 \$147.06	\$110.69 \$50.86 \$114.77 \$110.71 \$72.22 \$115.31 \$111.51	\$97.07 \$59.89 \$100.81 \$94.71 \$97.72 \$98.80 \$93.37	April \$44.16 \$8.90 \$45.19 \$44.00 \$27.44 \$45.48	May \$36.61 \$10.99 \$38.05 \$33.16 \$17.51 \$34.63	\$39.17 \$12.29 \$41.14 \$37.34 \$25.39 \$39.64 \$38.23	\$38.82 \$15.56 \$41.18 \$35.32 \$24.90 \$37.85	August \$31.78 \$9.90 \$33.28 \$31.74 \$23.34 \$33.48	\$32.49 \$11.59 \$34.31 \$32.89 \$33.68 \$35.31	\$31.65 \$9.77 \$32.89 \$29.23 \$20.45 \$30.74	\$39.19 \$13.38 \$40.57 \$34.27 \$14.23 \$35.46	\$35.12 \$11.21 \$36.33 \$34.99 \$35.81 \$36.79
Price * Standard Deviation Load Weighted Price ** RTC LBMP Price * Standard Deviation Load Weighted Price ** REAL TIME LBMP	\$155.11 \$121.52 \$164.06 \$138.41 \$125.42 \$147.06	\$110.69 \$50.86 \$114.77 \$110.71 \$72.22 \$115.31	\$97.07 \$59.89 \$100.81 \$94.71 \$97.72 \$98.80	April \$44.16 \$8.90 \$45.19 \$44.00 \$27.44 \$45.48	May \$36.61 \$10.99 \$38.05 \$33.16 \$17.51 \$34.63	\$39.17 \$12.29 \$41.14 \$37.34 \$25.39 \$39.64	\$38.82 \$15.56 \$41.18 \$35.32 \$24.90 \$37.85	August \$31.78 \$9.90 \$33.28 \$31.74 \$23.34 \$33.48	\$32.49 \$11.59 \$34.31 \$32.89 \$33.68 \$35.31	\$31.65 \$9.77 \$32.89 \$29.23 \$20.45 \$30.74	\$39.19 \$13.38 \$40.57 \$34.27 \$14.23 \$35.46	\$35.12 \$11.21 \$36.33 \$34.99 \$35.81 \$36.79

^{*} Average zonal load weighted prices.

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

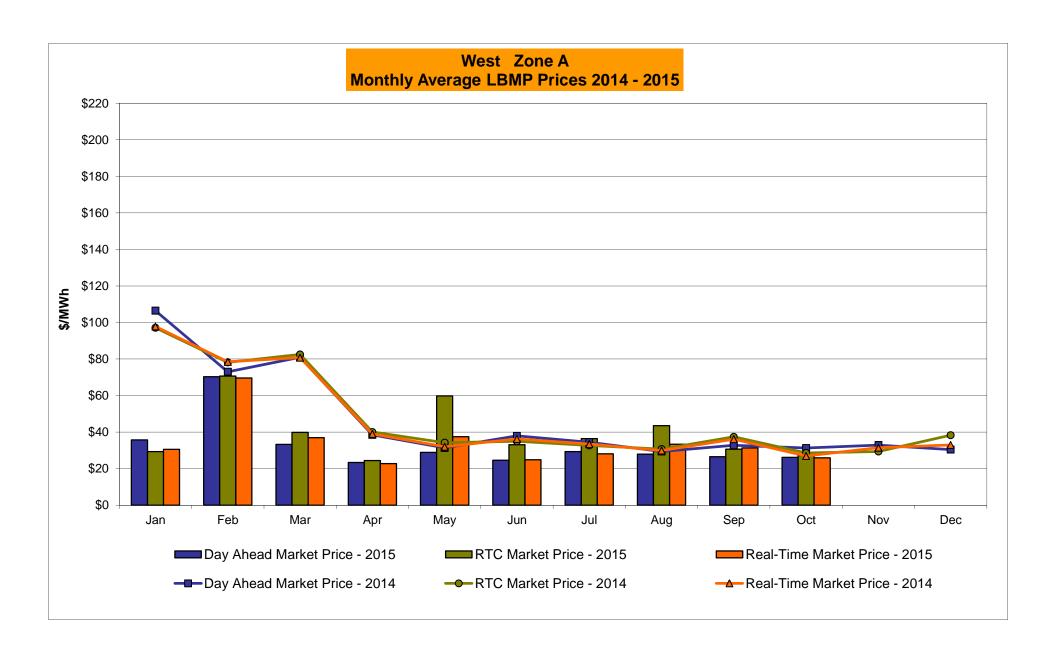


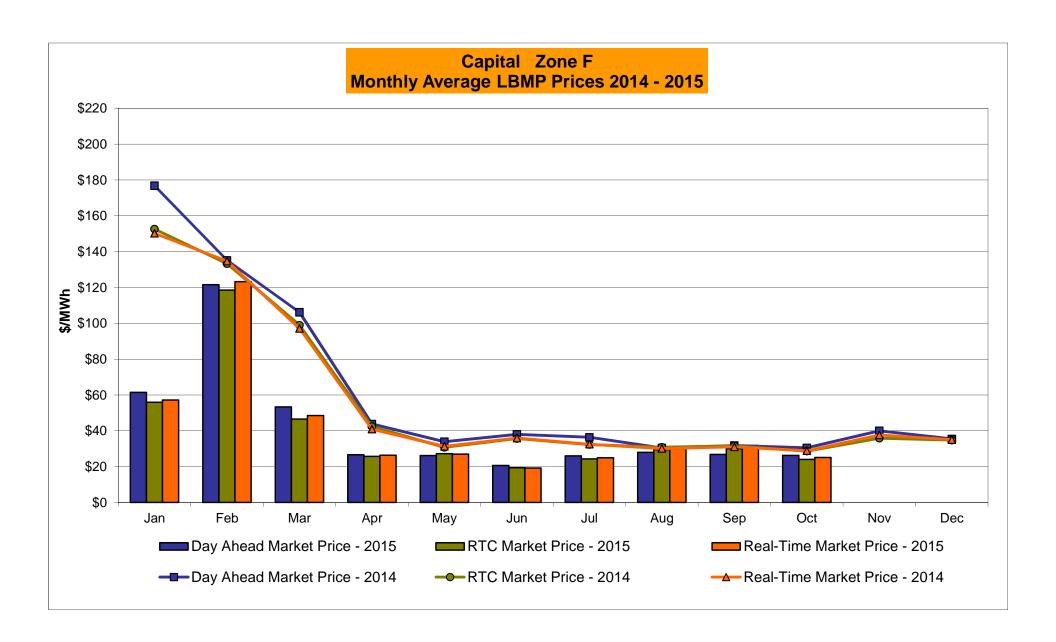
October 2015 Zonal LBMP Statistics for NYISO (\$/MWh)

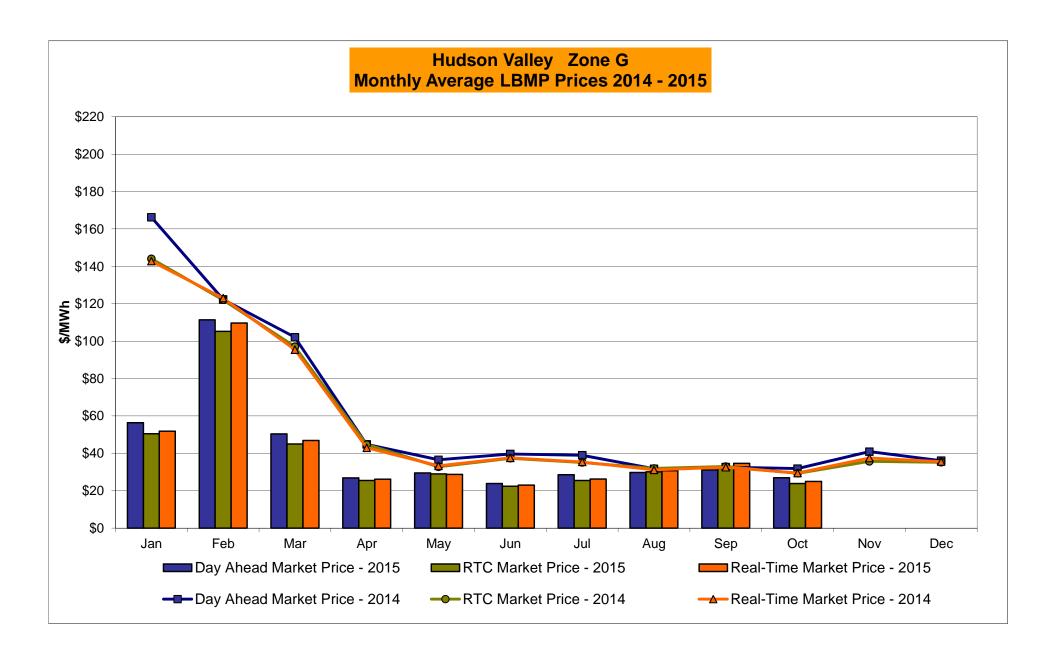
	WEST Zone A	GENESEE Zone B	NORTH Zone D	CENTRAL Zone C	MOHAWK VALLEY <u>Zone E</u>	CAPITAL Zone F	HUDSON VALLEY <u>Zone G</u>	MILLWOOD Zone H	DUNWOODIE Zone I	NEW YORK CITY Zone J	LONG ISLAND <u>Zone K</u>
DAY AHEAD LBMP	·			·							<u> </u>
Unweighted Price *	26.18	23.42	13.80	24.02	23.94	26.27	26.89	27.08	27.15	27.68	35.20
Standard Deviation	10.75	6.82	10.19	7.16	6.95	6.53	7.00	7.10	7.12	7.23	11.90
RTC LBMP											
Unweighted Price *	27.16	21.12	12.60	21.50	21.38	24.08	23.88	23.89	23.86	24.22	27.61
Standard Deviation	45.94	9.52	19.54	9.83	9.23	8.45	8.55	8.53	8.51	8.58	16.46
REAL TIME LBMP											
Unweighted Price *	25.89	22.16	14.15	22.45	22.49	25.15	24.99	25.00	24.96	25.34	34.14
Standard Deviation	28.02	11.47	17.41	11.52	11.02	10.60	10.68	10.66	10.63	10.63	32.48
	ONTARIO	HYDRO QUEBEC	HYDRO QUEBEC		NEW		NORTHPORT-				
	ONTARIO IESO	QUEBEC	_	PJM	NEW ENGLAND	SOUND CABLE	NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
	IESO	QUEBEC (Wheel)	QUEBEC (Import/Export)		ENGLAND	SOUND CABLE Controllable	NORWALK Controllable	Controllable	Controllable	Controllable	Controllable
DAY AUGAD I DMD	-	QUEBEC	QUEBEC	PJM Zone P		SOUND CABLE	NORWALK	_	Controllable		
DAY AHEAD LBMP	IESO Zone O	QUEBEC (Wheel) Zone M	QUEBEC (Import/Export)	Zone P	ENGLAND Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
Unweighted Price *	Zone O 22.40	QUEBEC (Wheel) Zone M	QUEBEC (Import/Export) Zone M 16.65	Zone P 25.93	ENGLAND Zone N 34.84	SOUND CABLE Controllable Line	NORWALK Controllable Line 34.65	Controllable Line 33.75	Controllable Line 26.26	Controllable Line 27.27	Controllable Line 13.46
	IESO Zone O	QUEBEC (Wheel) Zone M	QUEBEC (Import/Export)	Zone P	ENGLAND Zone N	SOUND CABLE Controllable Line	NORWALK Controllable Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
Unweighted Price *	Zone O 22.40	QUEBEC (Wheel) Zone M	QUEBEC (Import/Export) Zone M 16.65	Zone P 25.93	ENGLAND Zone N 34.84	SOUND CABLE Controllable Line	NORWALK Controllable Line 34.65	Controllable Line 33.75	Controllable Line 26.26	Controllable Line 27.27	Controllable Line 13.46
Unweighted Price * Standard Deviation	Zone O 22.40	QUEBEC (Wheel) Zone M	QUEBEC (Import/Export) Zone M 16.65	Zone P 25.93	ENGLAND Zone N 34.84	SOUND CABLE Controllable Line	NORWALK Controllable Line 34.65	Controllable Line 33.75	Controllable Line 26.26	Controllable Line 27.27	Controllable Line 13.46
Unweighted Price * Standard Deviation RTC LBMP	Zone O 22.40 5.96	QUEBEC (Wheel) Zone M 16.65 9.90	QUEBEC (Import/Export) Zone M 16.65 9.90	Zone P 25.93 7.32	Zone N 34.84 12.93	SOUND CABLE Controllable Line 35.45 12.02	NORWALK Controllable Line 34.65 11.45	Controllable Line 33.75 11.23	Controllable Line 26.26 6.75	Controllable Line 27.27 7.14	Controllable Line 13.46 10.18
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price *	Zone O 22.40 5.96	QUEBEC (Wheel) Zone M 16.65 9.90	QUEBEC (Import/Export) Zone M 16.65 9.90	Zone P 25.93 7.32 23.27	Zone N 34.84 12.93	SOUND CABLE Controllable Line 35.45 12.02	NORWALK Controllable Line 34.65 11.45	26.28	26.26 6.75	27.27 7.14	Controllable Line 13.46 10.18
Unweighted Price * Standard Deviation RTC LBMP Unweighted Price * Standard Deviation	Zone O 22.40 5.96	QUEBEC (Wheel) Zone M 16.65 9.90	QUEBEC (Import/Export) Zone M 16.65 9.90	Zone P 25.93 7.32 23.27	Zone N 34.84 12.93	SOUND CABLE Controllable Line 35.45 12.02	NORWALK Controllable Line 34.65 11.45	26.28	26.26 6.75	27.27 7.14	Controllable Line 13.46 10.18

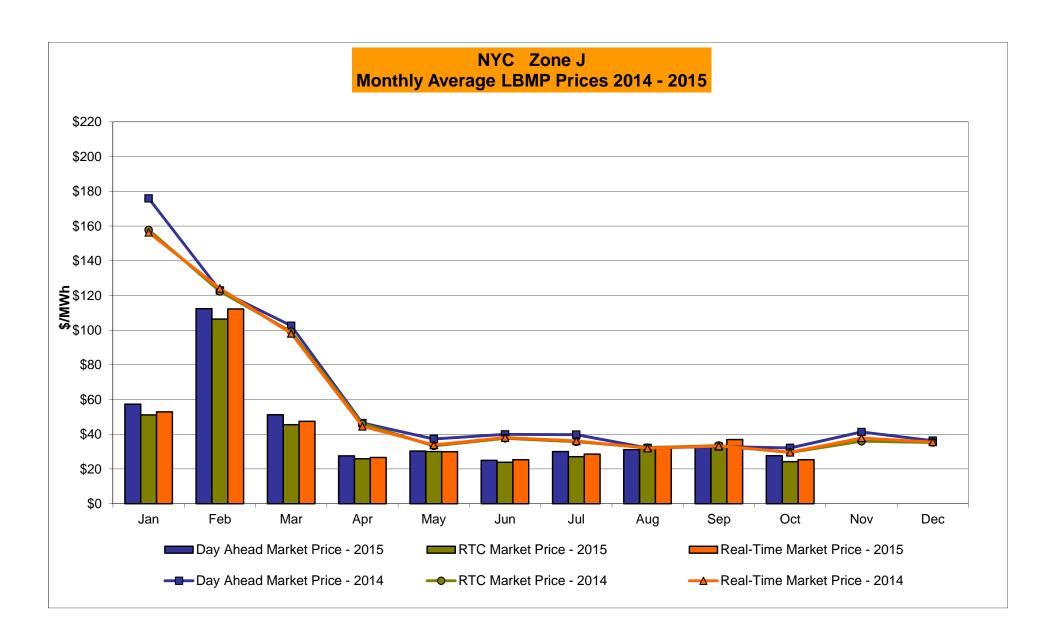
Market Mitigation and Analysis Prepared: 11/5/2015 9:20 AM

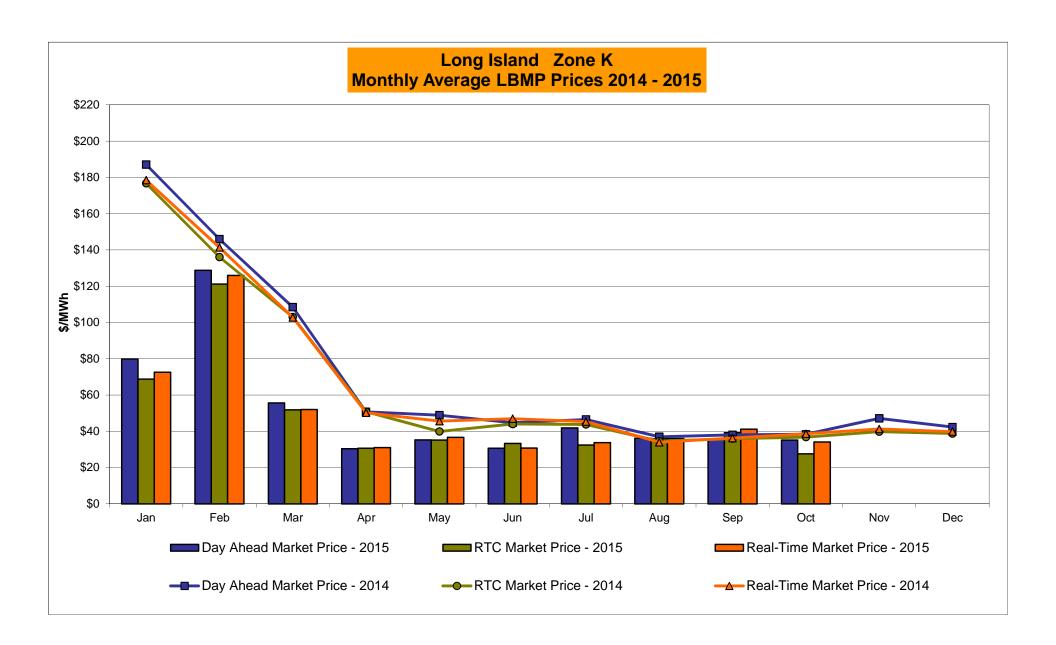
^{*} Straight LBMP averages

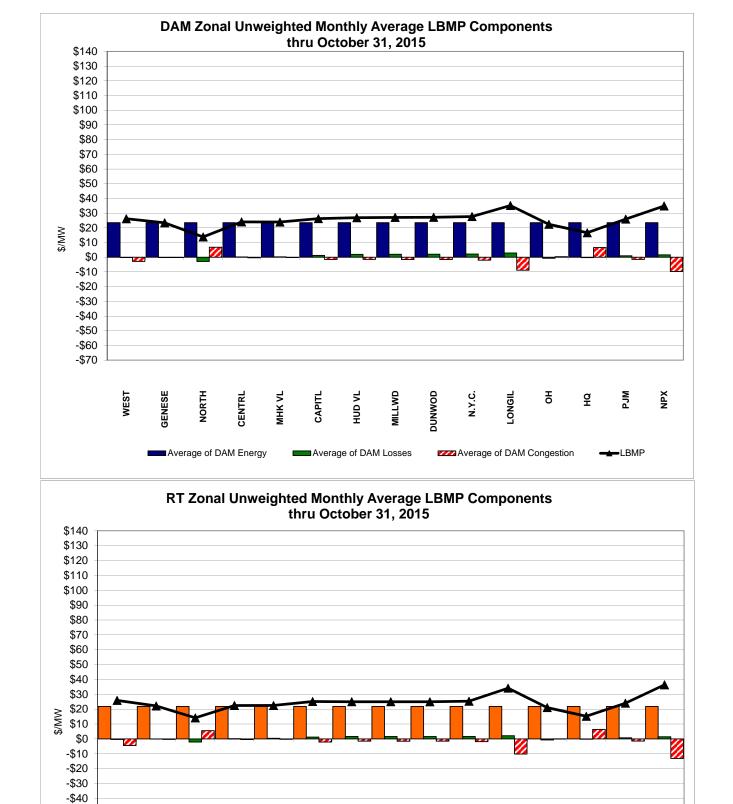












Average of RT Energy

-\$50 -\$60 -\$70

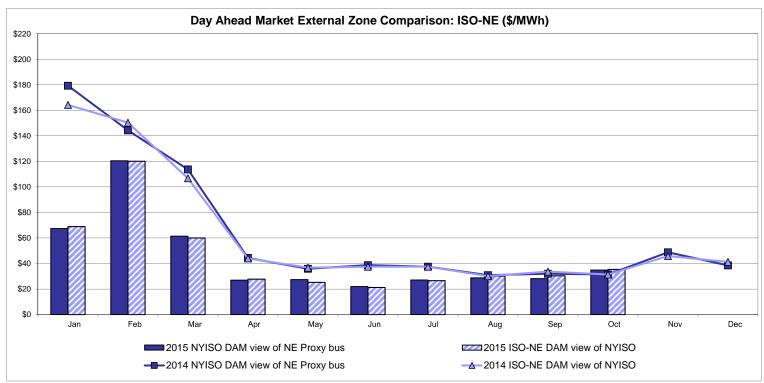
Average of RT Congestion

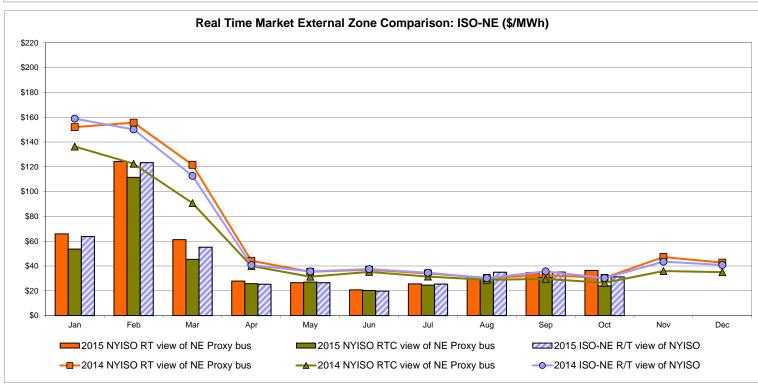
Average of RT Losses

MPX

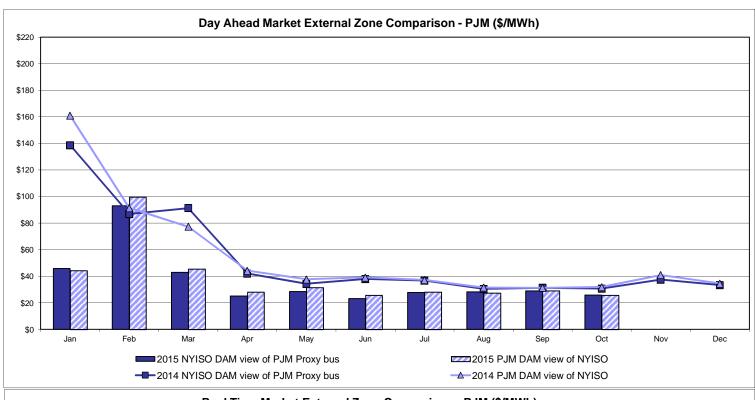
LBMP

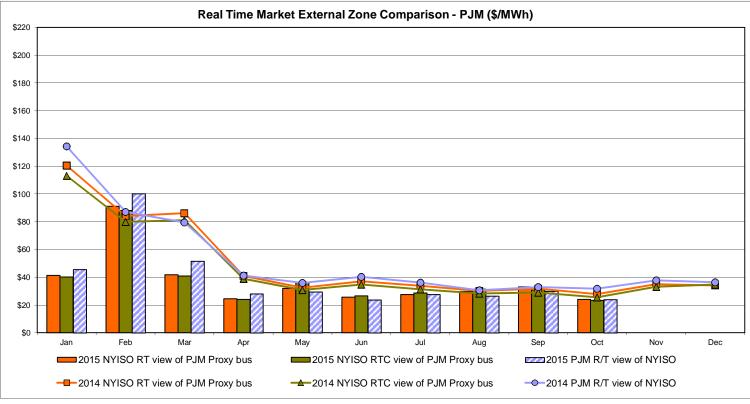
External Comparison ISO-New England



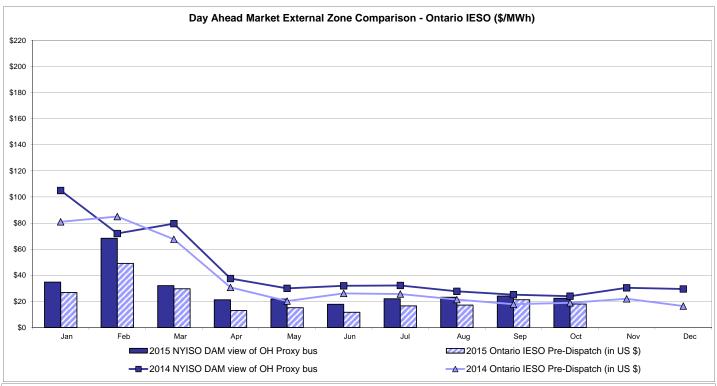


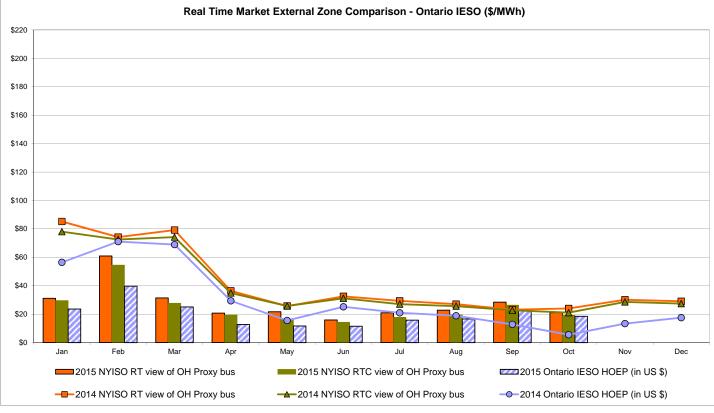
External Comparison PJM





External Comparison Ontario IESO

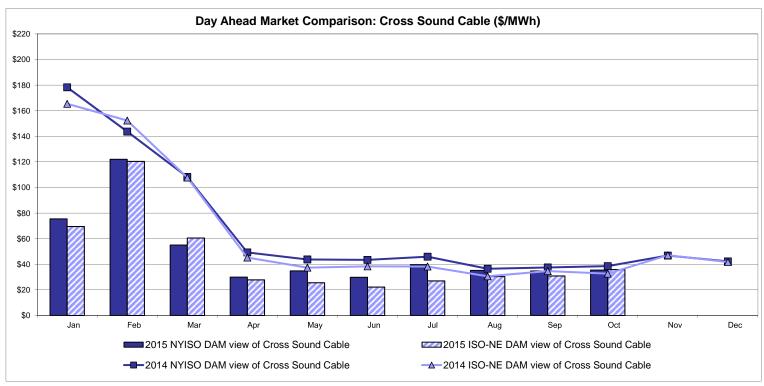


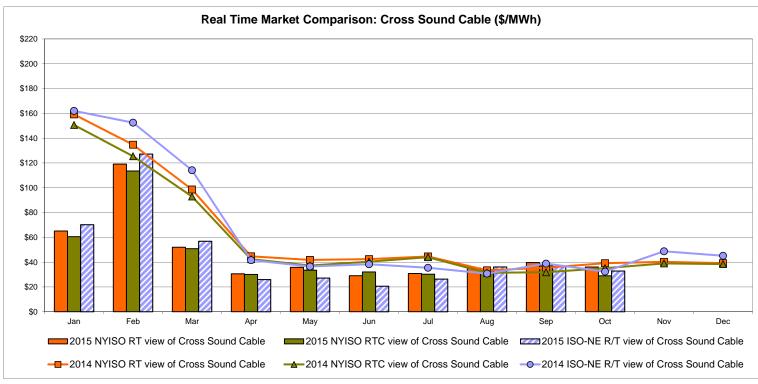


Notes: Exchange factor used for October 2015 was 0.7665 to US

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

External Controllable Line: Cross Sound Cable (New England)





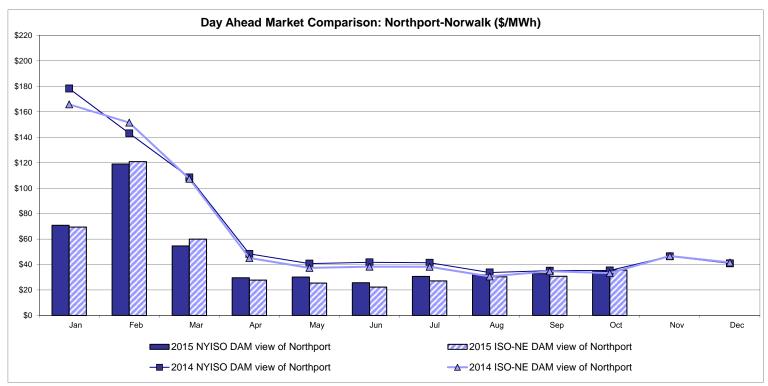
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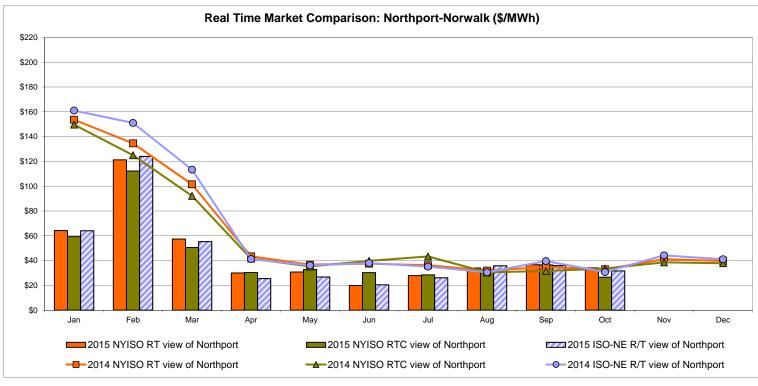
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

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

External Controllable Line: Northport - Norwalk (New England)





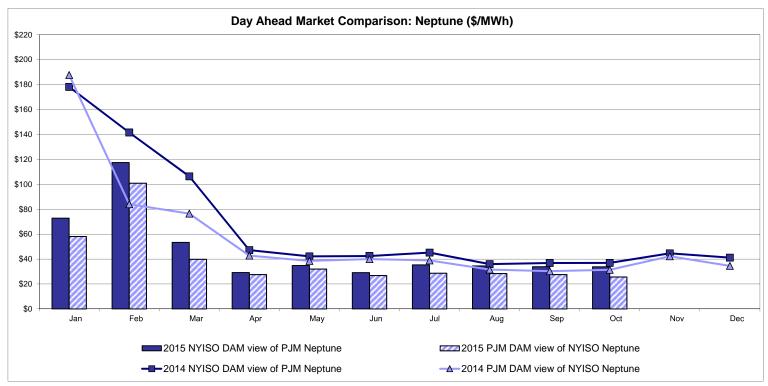
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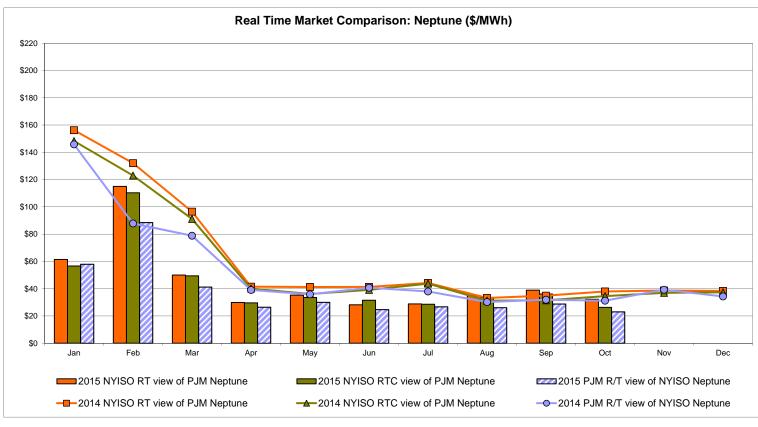
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

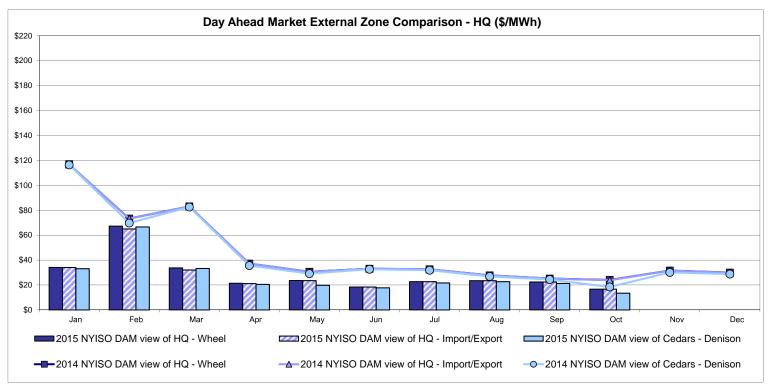
The DAM and R/T prices at the 1385 interface are used for NYISO.

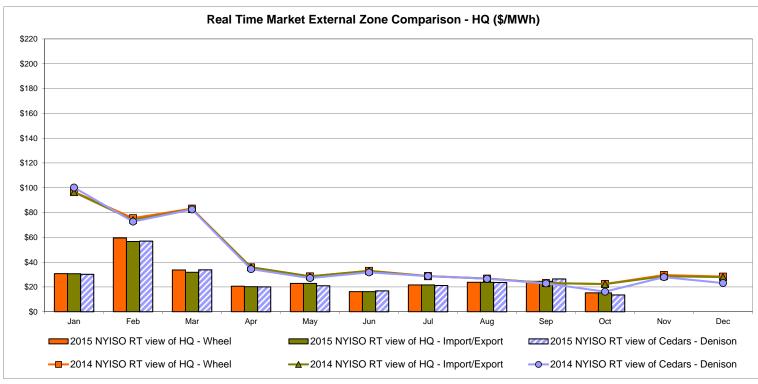
External Controllable Line: Neptune (PJM)





External Comparison Hydro-Quebec

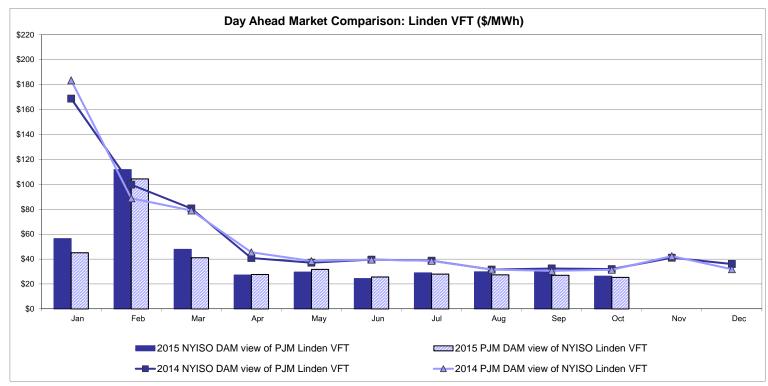


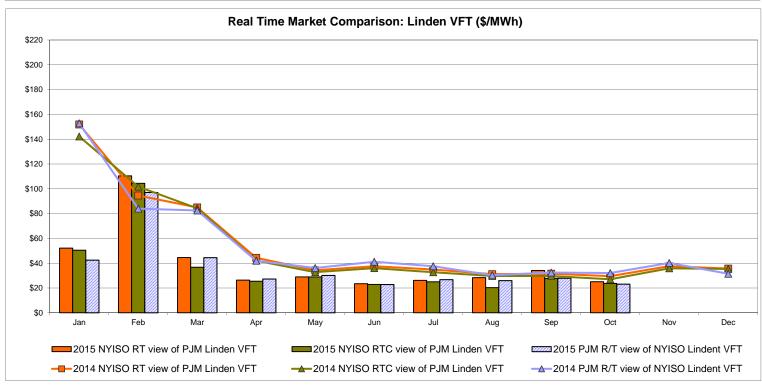


Note:

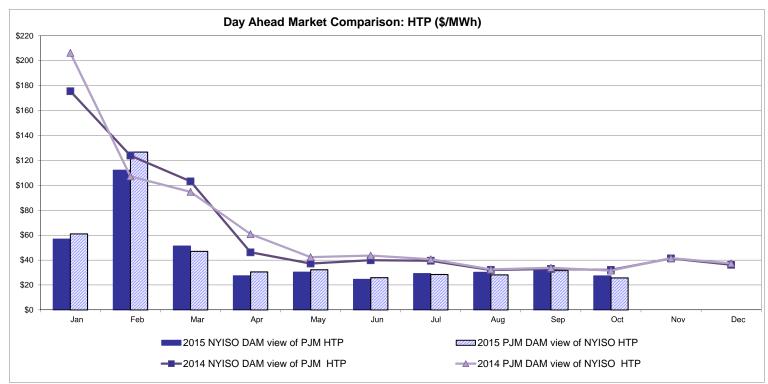
Hydro-Quebec Prices are unavailable.

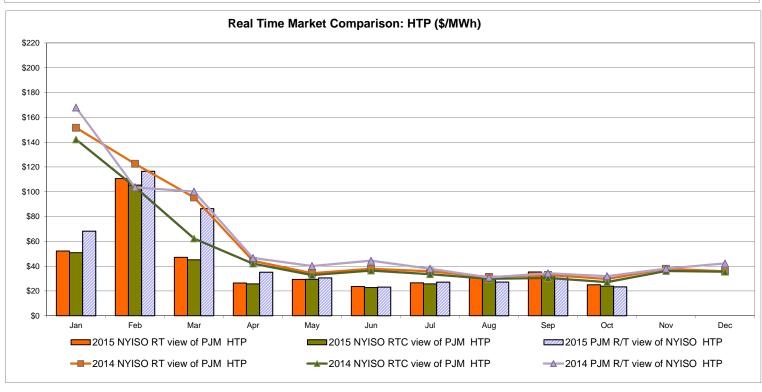
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)



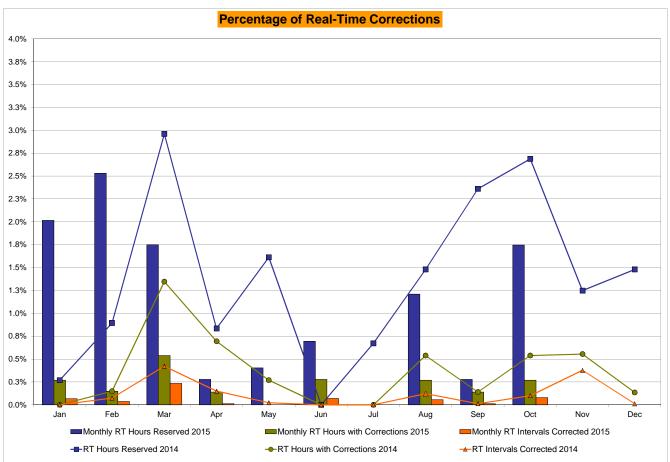


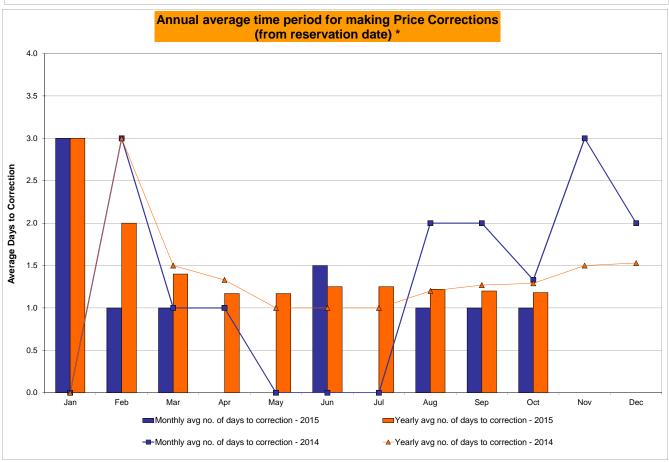
NYISO Real Time Price Correction Statistics

2015 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	October	November	<u>December</u>
			4		_			•	•				
Number of hours with corrections	in the month	2	1	4	1	0	2	0	2 744	1 720	2		
Number of hours	in the month	744	672	743	720	744	720	744			744		
% of hours with corrections	in the month	0.27%	0.15%	0.54%	0.14%	0.00%	0.28%	0.00%	0.27%	0.14%	0.27%		
% of hours with corrections	year-to-date	0.27%	0.21%	0.32%	0.28%	0.22%	0.23%	0.20%	0.21%	0.20%	0.21%		
Interval Corrections		_	_		_	_	_	_	_		_		
Number of intervals corrected	in the month	6	3	21	1	0	6	0	5	1	7		
Number of intervals	in the month	9,066	8,231	9,005	8,696	9,032	8,731	9,025	8,987	8,728	9,008		
% of intervals corrected	in the month	0.07%	0.04%	0.23%	0.01%	0.00%	0.07%	0.00%	0.06%	0.01%	0.08%		
% of intervals corrected	year-to-date	0.07%	0.05%	0.11%	0.09%	0.07%	0.07%	0.06%	0.06%	0.05%	0.06%		
Hours Reserved													
Number of hours reserved	in the month	15	17	13	2	3	5	0	9	2	13		
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744		
% of hours reserved	in the month	2.02%	2.53%	1.75%	0.28%	0.40%	0.69%	0.00%	1.21%	0.28%	1.75%		
% of hours reserved	year-to-date	2.02%	2.26%	2.08%	1.63%	1.38%	1.27%	1.08%	1.10%	1.01%	1.08%		
Days to Correction *													
Avg. number of days to correction	in the month	3.00	1.00	1.00	0.00	0.00	1.50	0.00	1.00	1.00	1.00		
Avg. number of days to correction	year-to-date	3.00	2.00	1.40	1.17	1.17	1.25	1.25	1.22	1.20	1.18		
Days Without Corrections													
Days without corrections	in the month	30	27	28	29	31	28	31	30	29	30		
Days without corrections	year-to-date	30	57	85	114	145	173	204	234	263	293		
2014		January	February	March	April	Mav	June	Julv	August	September	October	November	December
2014 Hour Corrections		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	November	<u>December</u>
Hour Corrections	in the month	·	<u>February</u> 1			' <u></u>		· <u></u> -					
Hour Corrections Number of hours with corrections	in the month	0	1	10	5	2	0	0	4	1	4	4	1
Hour Corrections	in the month in the month in the month	·				' <u></u>		· <u></u> -					
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	0 744 0.00%	1 672 0.15%	10 743 1.35%	5 720 0.69%	2 744 0.27%	0 720 0.00%	0 744 0.00%	4 744 0.54%	1 720 0.14%	4 744 0.54%	4 721 0.55%	1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours	in the month	0 744	1 672	10 743	5 720	2 744	0 720	0 744	4 744	1 720	4 744	4 721	1 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month in the month	0 744 0.00%	1 672 0.15%	10 743 1.35%	5 720 0.69%	2 744 0.27%	0 720 0.00%	0 744 0.00%	4 744 0.54%	1 720 0.14%	4 744 0.54%	4 721 0.55%	1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections	in the month in the month year-to-date	0 744 0.00% 0.00%	1 672 0.15% 0.07%	10 743 1.35% 0.51%	5 720 0.69% 0.56%	2 744 0.27% 0.50%	0 720 0.00% 0.41%	0 744 0.00% 0.35%	4 744 0.54% 0.38%	1 720 0.14% 0.35%	4 744 0.54% 0.37%	4 721 0.55% 0.39%	1 744 0.13% 0.37%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected	in the month in the month year-to-date in the month	0 744 0.00% 0.00%	1 672 0.15% 0.07%	10 743 1.35% 0.51%	5 720 0.69% 0.56%	2 744 0.27% 0.50%	0 720 0.00% 0.41%	0 744 0.00% 0.35%	4 744 0.54% 0.38%	1 720 0.14% 0.35%	4 744 0.54% 0.37%	4 721 0.55% 0.39%	1 744 0.13% 0.37%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals	in the month in the month year-to-date in the month in the month in the month	0 744 0.00% 0.00% 0 9,232	1 672 0.15% 0.07% 6 8,205	10 743 1.35% 0.51% 38 9,023	5 720 0.69% 0.56%	2 744 0.27% 0.50%	0 720 0.00% 0.41% 0 8,729	0 744 0.00% 0.35% 0 8,999	4 744 0.54% 0.38% 11 8,975	1 720 0.14% 0.35% 1 8,779	4 744 0.54% 0.37% 9 9,026	4 721 0.55% 0.39% 33 8,763	1 744 0.13% 0.37% 1 9,030
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	0 744 0.00% 0.00% 0 9,232 0.00%	1 672 0.15% 0.07% 6 8,205 0.07%	10 743 1.35% 0.51% 38 9,023 0.42%	5 720 0.69% 0.56% 13 8,720 0.15%	2 744 0.27% 0.50% 2 9,030 0.02%	0 720 0.00% 0.41% 0 8,729 0.00%	0 744 0.00% 0.35% 0 8,999 0.00%	4 744 0.54% 0.38% 11 8,975 0.12%	1 720 0.14% 0.35% 1 8,779 0.01%	4 744 0.54% 0.37% 9 9,026 0.10%	4 721 0.55% 0.39% 33 8,763 0.38%	1 744 0.13% 0.37% 1 9,030 0.01%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	0 744 0.00% 0.00% 0 9,232 0.00%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03%	10 743 1.35% 0.51% 38 9,023 0.42%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16%	2 744 0.27% 0.50% 2 9,030 0.02%	0 720 0.00% 0.41% 0 8,729 0.00%	0 744 0.00% 0.35% 0 8,999 0.00%	4 744 0.54% 0.38% 11 8,975 0.12%	1 720 0.14% 0.35% 1 8,779 0.01%	4 744 0.54% 0.37% 9 9,026 0.10%	4 721 0.55% 0.39% 33 8,763 0.38%	1 744 0.13% 0.37% 1 9,030 0.01%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved	in the month in the month year-to-date in the month in the month in the month year-to-date	0 744 0.00% 0.00% 0 9,232 0.00% 0.00%	1 672 0.15% 0.07% 6 8,205 0.07%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17%	5 720 0.69% 0.56% 13 8,720 0.15%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month	0 744 0.00% 0.00% 0 9,232 0.00% 0.00%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11%
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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 year-to-date	0 744 0.00% 0.00% 0 9,232 0.00% 0.00%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744	0 720 0.00% 0.41% 0 8,729 0.00% 0.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744	4 721 0.55% 0.39% 33 8,763 0.38% 0.12%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction *	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month year-to-date	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 672 0.89% 0.56%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720 0.83% 1.25%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00% 1.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38%
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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	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month year-to-date	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 672 0.89% 0.56%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720 0.83% 1.25%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00% 1.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Mumber 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 % of hours reserved % of hours reserved Number of days to correction Avg. number of days to correction Days Without Corrections	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month year-to-date	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27% 0.27% 0.00 0.00	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 672 0.89% 0.56% 3.00 3.00	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720 0.83% 1.25% 1.00 1.33	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32% 0.00 1.00	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00% 1.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04% 0.00 1.00	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10% 2.00 1.20	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24% 2.00 1.27	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38% 1.29	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37% 3.00 1.50	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38% 2.00 1.53
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved Days to Correction Avg. number of days to correction	in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date in the month	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 672 0.89% 0.56%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39%	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720 0.83% 1.25%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00% 1.11%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38%

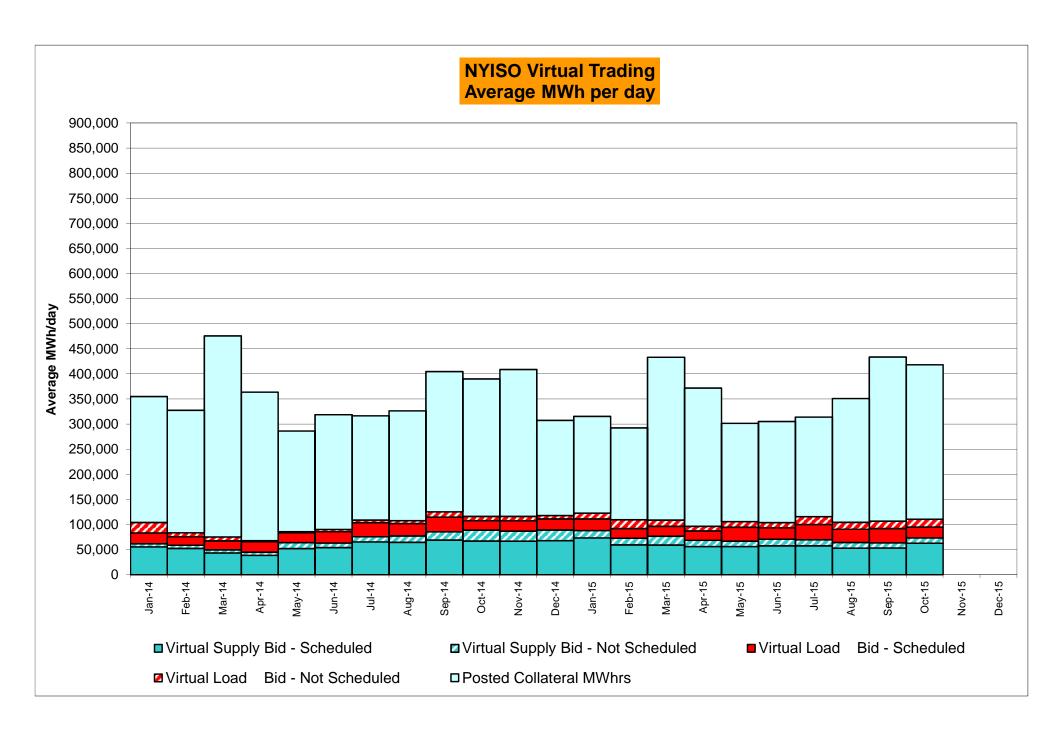
^{*} Calendar days from reservation date.

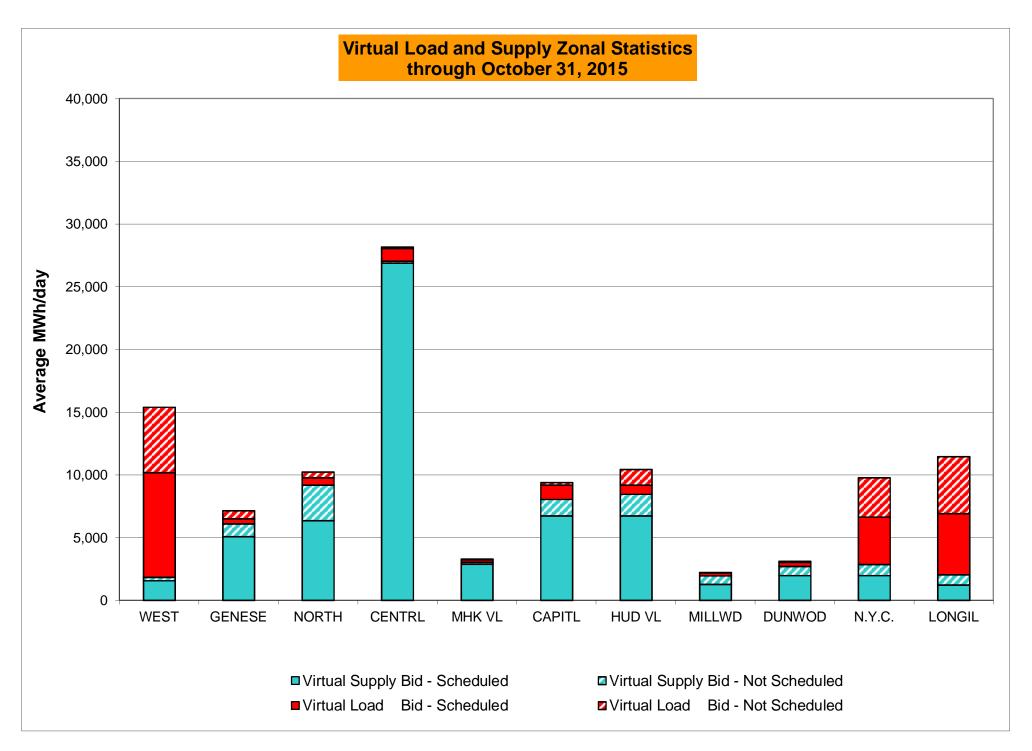
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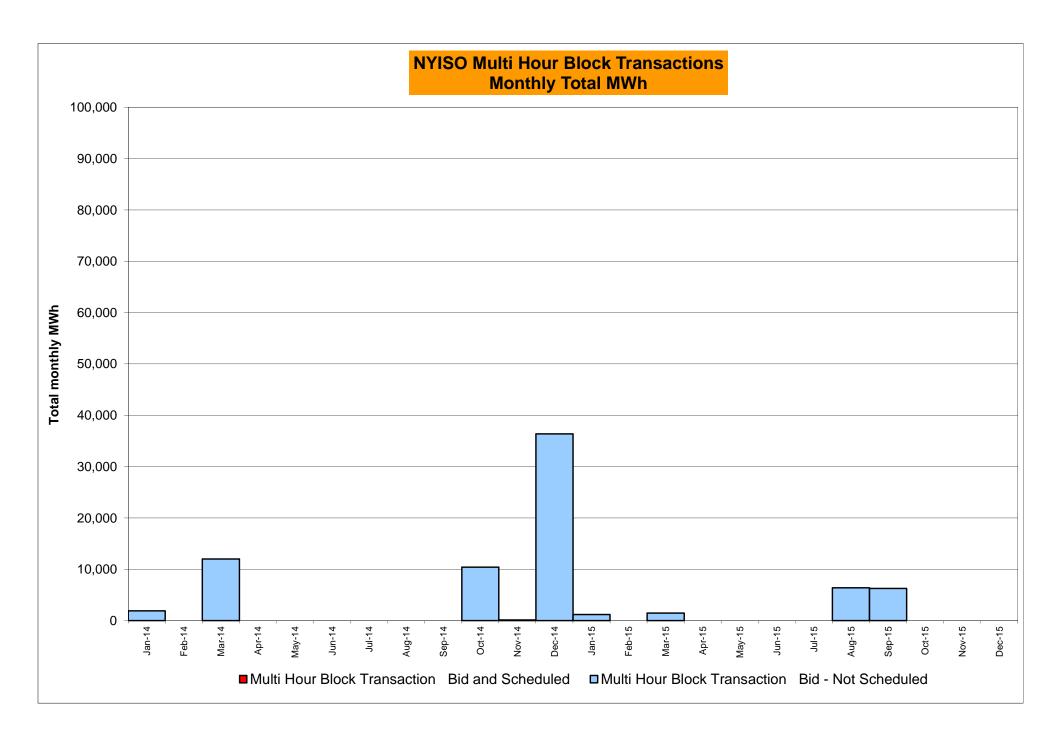
^{*} Calendar days from reservation date.

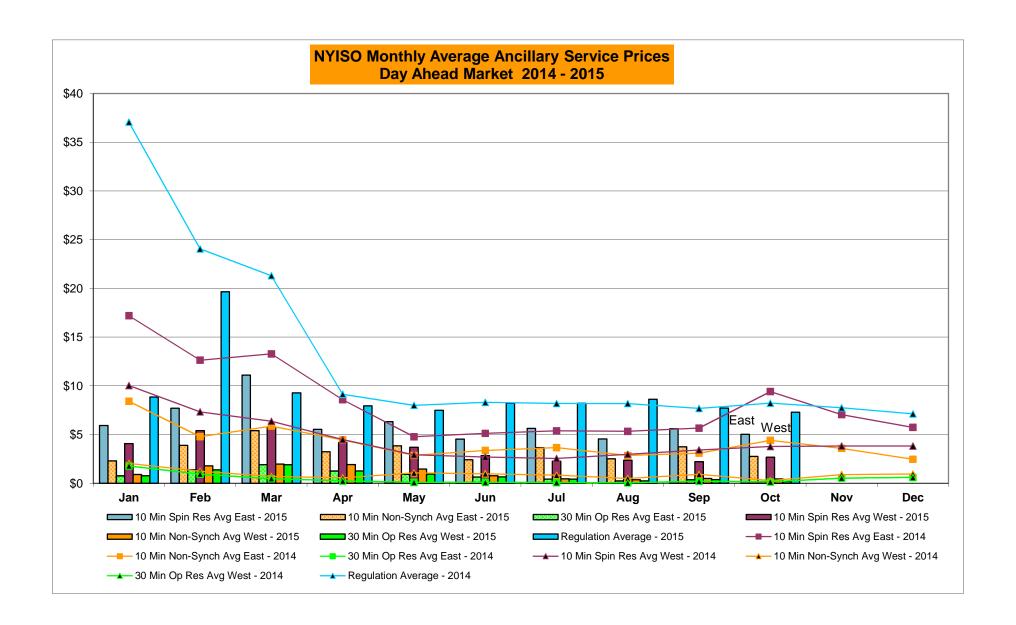


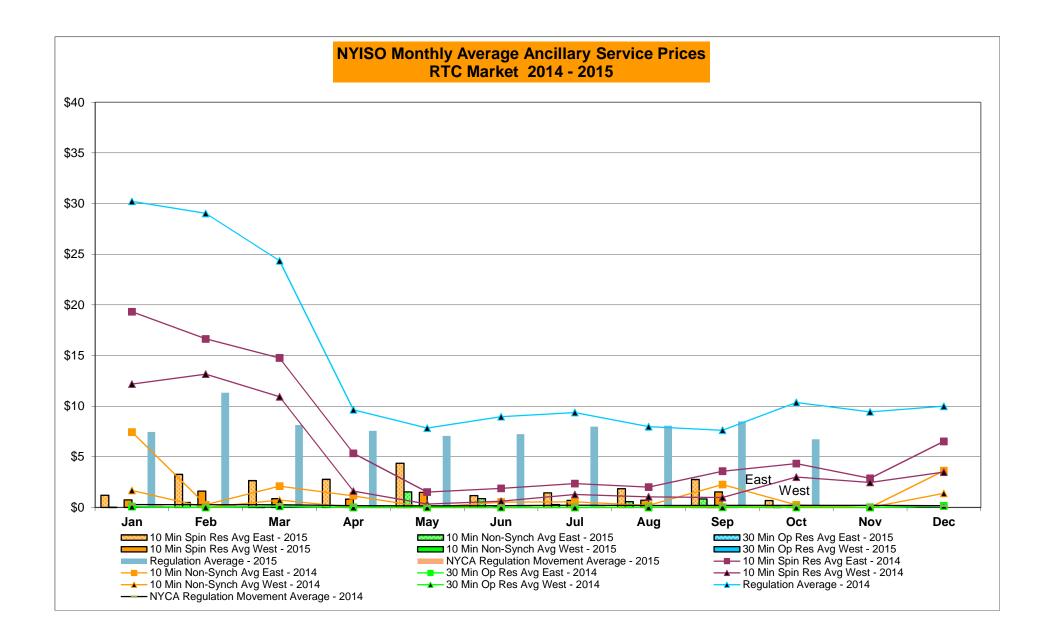


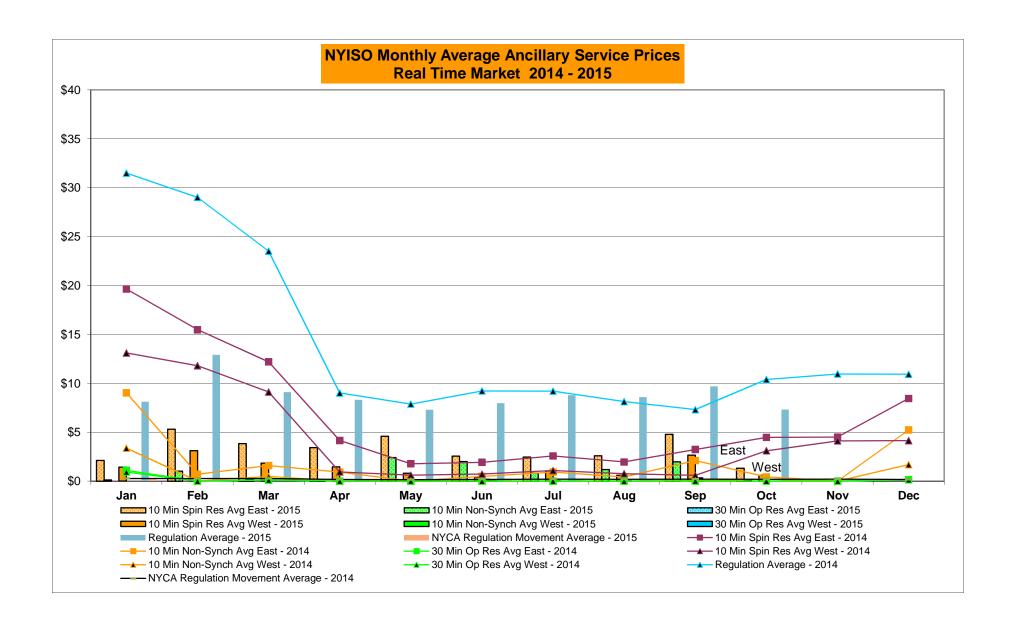
					<u>Virtual</u>	Load and	l Supp	oly Zonal	Statistic	s (Avera	ge MWh/da	y) - 201					
		I								I				I			
		Virtual L		Virtual S	upply Bid			Virtual L		Virtual Su			1	Virtual I	Load Bid	Virtual Su	
	_		Not		Not	_	_		Not		Not		_		Not		Not
Zone	Date	Scheduled		Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	
WEST	Jan-15	6,244	977	3,837	688	MHK VL	Jan-15	534 901	185 790	1,757	1,021 812	DUNWOD	Jan-15 Feb-15	669 647		831	166
	Feb-15 Mar-15		1,570 1,992	3,288 3,185	936 1,223		Feb-15 Mar-15	626	458	1,446 2,120	718	-	Mar-15	621		725 1,224	156 536
	Apr-15			1,790	419		Apr-15	293	226		867		Apr-15	433		1,517	366
	May-15			1,730	465		May-15	248	102	1,746	482		May-15	1,385		904	400
	Jun-15				584		Jun-15	151	24		734	=	Jun-15			1,435	462
	Jul-15				434		Jul-15	632	70		521		Jul-15	1,674		1,220	427
	Aug-15		5,063	1,898	560		Aug-15	251	50		427		Aug-15	755		1,531	297
	Sep-15	9,570	4,543	1,494	278		Sep-15	568	53		292		Sep-15	663		3,365	622
	Oct-15	8,340	5,231	1,587	248		Oct-15	200	59	2,878	154		Oct-15	344	. 78	1,977	724
	Nov-15						Nov-15						Nov-15				
	Dec-15						Dec-15						Dec-15				
GENESE	Jan-15	444		9,467	1,422	CAPITL	Jan-15	1,816	1,292	9,400	1,563	N.Y.C.	Jan-15	3,367	1,572	887	2,429
	Feb-15			7,477	1,425		Feb-15	3,192	3,267	6,354	2,035		Feb-15	2,944		658	690
	Mar-15 Apr-15				2,735 1,991		Mar-15 Apr-15	2,234 1,558	2,029 991	6,772 7,368	2,411 2,215		Mar-15 Apr-15	2,687 2,470		894 808	1,593 500
	May-15			4,771	1,643		May-15	1,538	201	7,368	1,751	_	May-15	5,397		918	367
	Jun-15			4,031	2,115		Jun-15	563	230	8,840	2,709	=	Jun-15			864	494
	Jul-15				1,871		Jul-15	1,268	320	8,358	2,958		Jul-15		,	1,081	174
	Aug-15				1,740		Aug-15	1,002	271	6,591	2,846		Aug-15		2,435	981	252
	Sep-15				1,182		Sep-15	809	212		2,181		Sep-15			1,344	472
	Oct-15				1,008		Oct-15	1,153	197	6,748	1,299		Oct-15	3,793		1,991	880
	Nov-15			0,010	1,000		Nov-15	1,100		5,1.15	.,		Nov-15	5,100	5,000	1,001	
	Dec-15						Dec-15						Dec-15				
NORTH	Jan-15			7,590	2,868	HUD VL	Jan-15	1,006	1,747	4,703	2,133	LONGIL	Jan-15	5,510		547	1,487
	Feb-15				1,898		Feb-15	769	2,147	2,841	2,800		Feb-15	4,383		613	1,722
	Mar-15				2,540		Mar-15	747	1,578	5,045	3,272		Mar-15	4,639		464	1,719
	Apr-15	223			3,243		Apr-15	1,180	1,056	6,875	1,292		Apr-15	4,399		760	
	May-15	263			3,146		May-15	1,267	1,372	5,580	1,488		May-15	6,102		936	394
	Jun-15	169			2,977		Jun-15	825	914	5,600	1,251		Jun-15	6,015		768	792 766
	Jul-15			6,047 5,619	2,798 2,871		Jul-15 Aug-15	1,700 1,195	1,241 1,663	4,983 5,086	1,200 863		Jul-15 Aug-15			1,191 1,086	1,236
	Aug-15 Sep-15	286			2,280		Sep-15	1,195	1,629	5,648	1,236	-	Sep-15	5,628		860	842
	Oct-15				2,830		Oct-15	736	1,029	6,738	1,726		Oct-15	4,874		1,234	795
	Nov-15		170	0,000	2,000		Nov-15	700	1,211	0,700	1,720	=	Nov-15	1,07 1	1,000	1,201	700
	Dec-15						Dec-15						Dec-15				
CENTRL	Jan-15		939		776	MILLWD	Jan-15	418	244	716	192	NYISO	Jan-15	22,958		73,161	14,746
	Feb-15			28,050	579		Feb-15	562	674	627	186		Feb-15	19,386		59,440	13,238
	Mar-15				587		Mar-15	377	389	947	287		Mar-15	19,769		59,066	17,619
	Apr-15			,	588		Apr-15	174	239	979	298		Apr-15	18,550		56,234	12,458
	May-15				400		May-15	497	126		200	_	May-15				10,736
	Jun-15				791		Jun-15	588	24	790	277	-	Jun-15			57,608	13,186
	Jul-15	1,401	358		636		Jul-15	866	45		121	4	Jul-15			57,752	11,905
	Aug-15	975			222		Aug-15	542 509	48 34		187	-	Aug-15	26,248		52,720	11,501 10,017
	Sep-15				217 155		Sep-15 Oct-15	509 251	34 14	,	415 673	-	Sep-15 Oct-15	28,471 21,713		53,355 62,752	10,017
	Oct-15 Nov-15		129	20,699	100		Nov-15	251	14	1,2/1	0/3	\dashv	Nov-15	21,713	15,719	02,752	10,491
	Dec-15						Dec-15					+	Dec-15				
	Dec-19						Dec-19						DEC-19		1		

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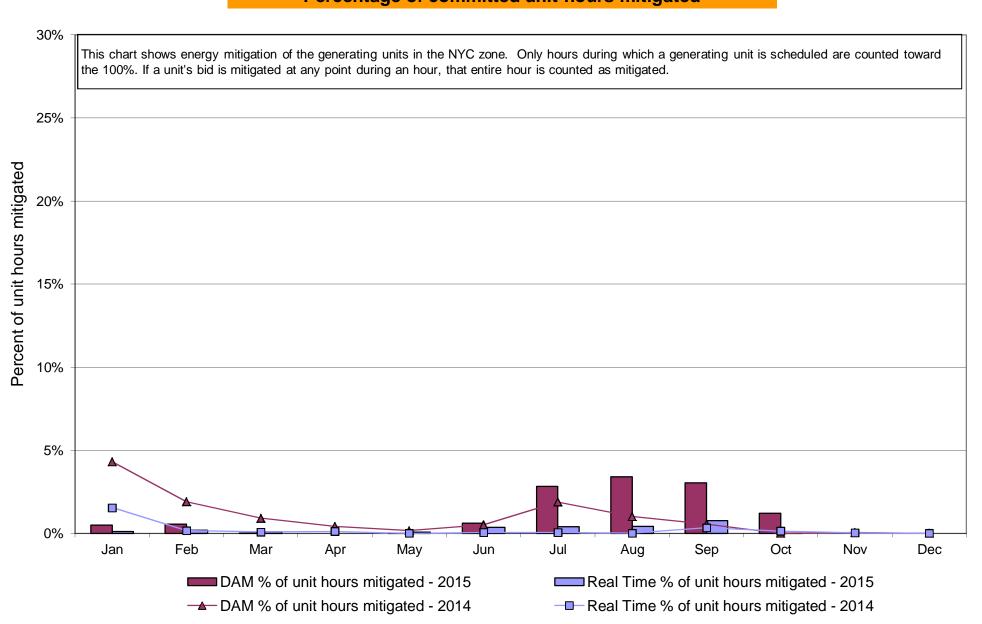


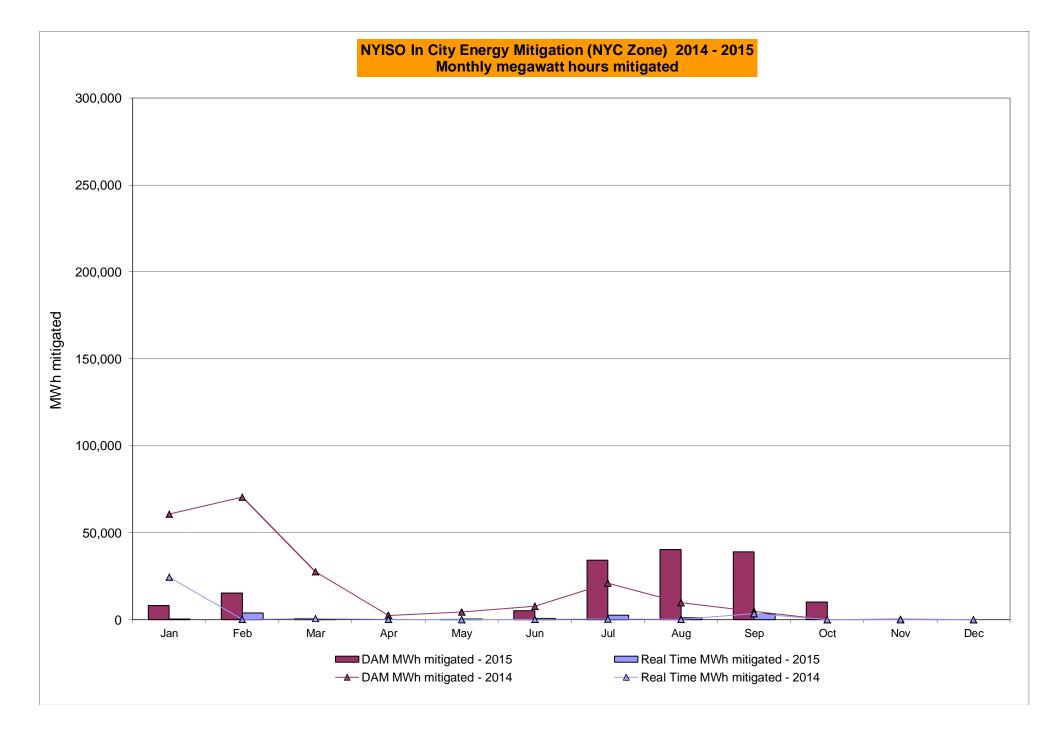
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

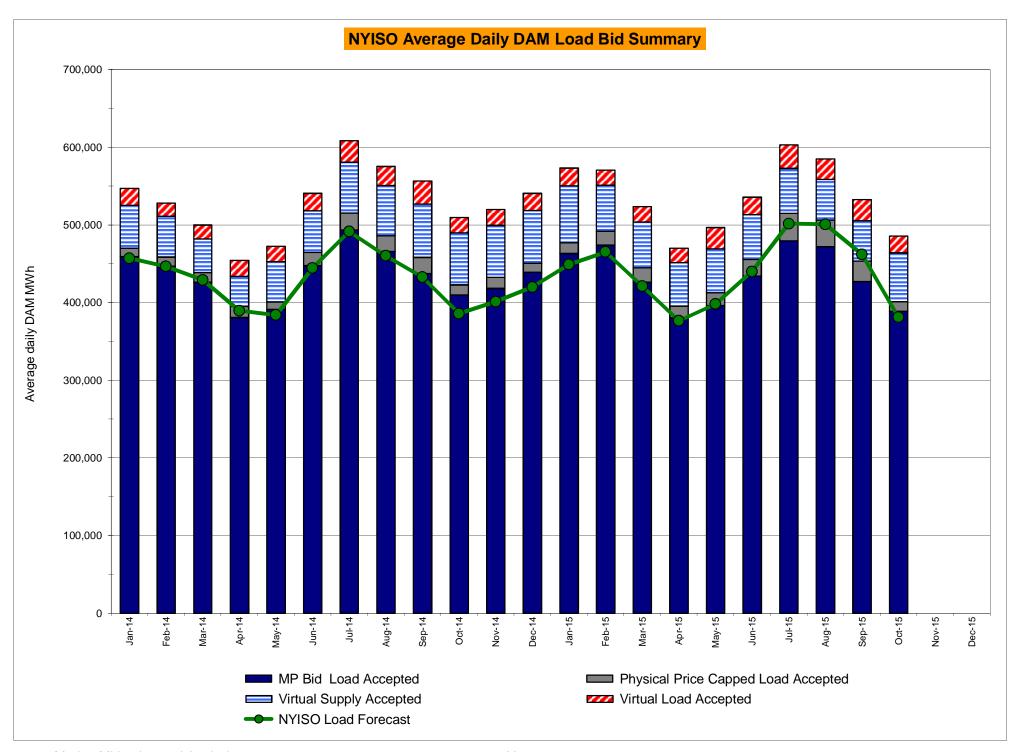
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To Num Spire East	<u>2015</u>	January	<u>February</u>	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	August	September	October	November	December
10 Mis Spin West	Day Ahead Market												
10 Min Spin West 4.07 5.60 5.68 4.16 0.369 2.26 2.26 2.26 2.26 2.26 1	10 Min Spin East	5.92	7.69	11.09	5.53	6.31	4.53	5.62	4.54	5.60	5.02		
10 Mm Non Synch East	10 Min Spin West	4.07		5.68			2.84		2.36	2.20	2.68		
10 Min Non Synch West													
30 Mm East	•												
Bolin West 1,38 1,48 1,44 1,86 2,76 1,53 1,20 1													
Regulation Reg													
Part Market													
Min Spin East	Regulation	0.04	19.05	9.21	7.34	7.40	0.20	0.20	0.01	7.71	1.29		
10 Min Spin West	RTC Market												
10 Min Non Synch Keast 0.01	10 Min Spin East	1.20	3.27	2.64	2.77	4.36	1.18	1.44	1.86	2.76	0.67		
10 Min Non Synch West 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 30 Min Heast 0,00 0,0	10 Min Spin West	0.74	1.61	0.86	0.81	1.48	0.04	0.69	0.70	1.53	0.20		
10 Min Non Synch West 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 0,00 30 Min Heast 0,00 0,0	10 Min Non Synch East	0.01	0.48	0.01	0.00	1.54	0.87	0.28	0.57	0.84	0.01		
30 Min East	· ·		0.00			0.00							
Solition Minimage Column	•												
Regulation Movement 17.45 11.32 8.13 7.56 7.06 7.24 7.97 8.07 8.49 6.73													
NYCA Regulation Movement 0,21													
Real Time Marker	•												
Min Spin East	NTOA Regulation Movement	0.21	0.21	0.10	0.22	0.10	0.24	0.25	0.23	0.24	0.23		
10 Min Spin West	Real Time Market												
10 Min Non Synch East 0.12 1.03 0.17 0.01 2.41 2.01 0.83 1.19 1.97 0.09 0.00 1.04 1.04 1.04 1.04 1.05	10 Min Spin East	2.12	5.31	3.84	3.44	4.59	2.56	2.47	2.59	4.79	1.32		
10 Min Non Synch West 0.00	10 Min Spin West	1.44	3.11	1.83	1.46	0.81	0.38	1.04	0.59	2.65	0.59		
10 Min Non Synch West 0.00	10 Min Non Synch East	0.12	1.03	0.17	0.01	2.41	2.01	0.83	1.19	1.97	0.09		
Some Company Some	•												
Same Number Same Number Same Number Same Number Nu													
Regulation R. 12 12.91 9.11 8.32 7.30 7.97 8.80 8.60 9.69 7.32													
NYCA Regulation Movement 0.20 0.21 0.17 0.15 0.16 0.24 0.24 0.24 0.24 0.24 0.24 0.23 November Descender D													
December Day Ahead Market January February March April Mary June July August September October November December Day Ahead Market Day Day Ahead Market Day Day Ahead Market Day	9												
Day Ahead Market 10 Min Spin East	NTOA Regulation Movement	0.20	0.21	0.17	0.15	0.10	0.24	0.24	0.24	0.24	0.23		
10 Min Spin East 17.19 12.62 13.27 8.57 4.77 5.11 5.37 5.33 5.66 9.41 7.04 5.73 10 Min Spin West 10.02 7.32 6.36 4.47 2.92 2.69 2.54 2.96 3.41 3.76 3.82 3.82 10 Min Non Synch East 8.40 4.78 5.86 4.44 2.98 3.37 3.65 2.85 3.09 4.40 3.58 2.45 10 Min Non Synch West 2.02 1.23 0.70 0.55 1.06 0.96 0.83 0.49 0.91 0.27 0.89 0.95 3.00 Min East 1.77 0.93 0.47 0.24 0.09 0.08 0.08 0.04 0.21 0.14 0.53 0.60 30 Min West 1.77 0.93 0.47 0.24 0.09 0.08 0.08 0.04 0.21 0.14 0.53 0.60 30 Min West 3.75 2.45 2.85 3.00 0.45 0.21 0.14 0.53 0.60 30 Min West 3.75 2.45 2.85 2.85 2.85 2.85 2.85 2.85 2.85 2.8													
10 Min Spin West 10.02 7.32 6.36 4.47 2.92 2.69 2.54 2.96 3.41 3.76 3.82 3.82 10 Min Non Synch East 8.40 4.78 5.86 4.44 2.86 3.37 3.65 2.85 3.08 4.40 3.58 2.45 10 Min Non Synch West 2.02 1.23 0.70 0.55 1.06 0.96 0.83 0.49 0.91 0.27 0.89 0.95 30 Min East 1.77 0.93 0.47 0.24 0.09 0.08 0.08 0.04 0.21 0.14 0.53 0.60 Regulation 37.05 24.05 21.29 9.12 7.99 8.30 8.18 8.18 7.67 8.21 7.74 7.12 PRT Market 10 Min Spin East 1.82 1.83 1.84 1.85 7.67 8.21 7.74 7.12 1.94 1.94 1.95 1.95 1.95 1.95 1.95 1.95 1.95 1.95	<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>
10 Min Non Synch East		<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>
10 Min Non Śynch West 1.77 0.93 0.47 0.24 0.09 0.08 0.08 0.08 0.04 0.21 0.14 0.53 0.60 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Day Ahead Market					-		-	-	-		· ·	·
30 Min East 1.77 0.93 0.47 0.24 0.09 0.08 0.08 0.04 0.21 0.14 0.53 0.60 30 Min West 1.77 0.93 0.47 0.24 0.09 0.08 0.08 0.04 0.21 0.14 0.53 0.60 30 Min West 1.77 0.93 0.47 0.24 0.09 0.88 0.08 0.04 0.21 0.14 0.53 0.60 Regulation 37.05 24.05 21.29 9.12 7.99 8.30 8.18 8.18 7.67 8.21 7.74 7.12 7.12 7.12 7.12 7.12 7.12 7.12 8.12 1.12 1.12 1.12 1.12 1.12 1.12 1	Day Ahead Market 10 Min Spin East	17.19	12.62	13.27	8.57	4.77	5.11	5.37	5.33	5.66	9.41	7.04	5.73
30 Min East 1.77 0.93 0.47 0.24 0.09 0.08 0.08 0.04 0.21 0.14 0.53 0.60 30 Min West 1.77 0.93 0.47 0.24 0.09 0.08 0.08 0.04 0.21 0.14 0.53 0.60 30 Min West 1.77 0.93 0.47 0.24 0.09 0.88 0.08 0.04 0.21 0.14 0.53 0.60 Regulation 37.05 24.05 21.29 9.12 7.99 8.30 8.18 8.18 7.67 8.21 7.74 7.12 7.12 7.12 7.12 7.12 7.12 7.12 8.12 1.12 1.12 1.12 1.12 1.12 1.12 1	Day Ahead Market 10 Min Spin East 10 Min Spin West	17.19 10.02	12.62 7.32	13.27 6.36	8.57 4.47	4.77 2.92	5.11 2.69	5.37 2.54	5.33 2.96	5.66 3.41	9.41 3.76	7.04 3.82	5.73 3.82
30 Min West 1.77 0.93 0.47 0.24 0.09 0.08 0.08 0.08 0.04 0.21 0.14 0.53 0.60 Regulation 37.05 24.05 21.29 9.12 7.99 8.30 8.18 8.18 7.67 8.21 7.74 7.12 7.12 7.12 7.12 7.12 7.12 7.12 7.12	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East	17.19 10.02 8.40	12.62 7.32 4.78	13.27 6.36 5.86	8.57 4.47 4.44	4.77 2.92 2.86	5.11 2.69 3.37	5.37 2.54 3.65	5.33 2.96 2.85	5.66 3.41 3.08	9.41 3.76 4.40	7.04 3.82 3.58	5.73 3.82 2.45
Regulation 37.05 24.05 21.29 9.12 7.99 8.30 8.18 7.67 8.21 7.74 7.12 RTC Market 10 Min Spin East 19.32 16.64 14.76 5.34 1.52 1.87 2.35 2.00 3.57 4.32 2.86 6.51 10 Min Spin West 12.18 13.16 10.93 1.61 0.33 0.61 1.27 1.04 0.98 2.99 2.46 3.48 10 Min Non Synch East 7.43 0.26 2.10 1.14 0.00 0.52 0.55 0.20 2.25 0.25 0.00 3.62 10 Min Non Synch West 1.68 0.00 0.72 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West	17.19 10.02 8.40 2.02	12.62 7.32 4.78 1.23	13.27 6.36 5.86 0.70	8.57 4.47 4.44 0.55	4.77 2.92 2.86 1.06	5.11 2.69 3.37 0.96	5.37 2.54 3.65 0.83	5.33 2.96 2.85 0.49	5.66 3.41 3.08 0.91	9.41 3.76 4.40 0.27	7.04 3.82 3.58 0.89	5.73 3.82 2.45 0.95
RTC Market 10 Min Spin East 19.32 16.64 14.76 5.34 1.52 1.87 2.35 2.00 3.57 4.32 2.86 6.51 10 Min Spin West 12.18 13.16 10.93 1.61 0.33 0.61 1.27 1.04 0.98 2.99 2.46 3.48 10 Min Non Synch East 7.43 0.26 2.10 1.14 0.00 0.52 0.55 0.20 2.25 0.25 0.25 0.00 3.62 10 Min Non Synch West 1.68 0.00 0.72 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East	17.19 10.02 8.40 2.02 1.77	12.62 7.32 4.78 1.23 0.93	13.27 6.36 5.86 0.70 0.47	8.57 4.47 4.44 0.55 0.24	4.77 2.92 2.86 1.06 0.09	5.11 2.69 3.37 0.96 0.08	5.37 2.54 3.65 0.83 0.08	5.33 2.96 2.85 0.49 0.04	5.66 3.41 3.08 0.91 0.21	9.41 3.76 4.40 0.27 0.14	7.04 3.82 3.58 0.89 0.53	5.73 3.82 2.45 0.95 0.60
10 Min Spin East 19.32 16.64 14.76 5.34 1.52 1.87 2.35 2.00 3.57 4.32 2.86 6.51 10 Min Spin West 12.18 13.16 10.93 1.61 0.33 0.61 1.27 1.04 0.98 2.99 2.46 3.48 10 Min Non Synch East 7.43 0.26 2.10 1.14 0.00 0.52 0.55 0.20 2.25 0.25 0.00 3.62 10 Min Non Synch West 1.68 0.00 0.72 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West	17.19 10.02 8.40 2.02 1.77 1.77	12.62 7.32 4.78 1.23 0.93 0.93	13.27 6.36 5.86 0.70 0.47 0.47	8.57 4.47 4.44 0.55 0.24	4.77 2.92 2.86 1.06 0.09 0.09	5.11 2.69 3.37 0.96 0.08 0.08	5.37 2.54 3.65 0.83 0.08 0.08	5.33 2.96 2.85 0.49 0.04 0.04	5.66 3.41 3.08 0.91 0.21	9.41 3.76 4.40 0.27 0.14 0.14	7.04 3.82 3.58 0.89 0.53 0.53	5.73 3.82 2.45 0.95 0.60 0.60
10 Min Spin West 12.18 13.16 10.93 1.61 0.33 0.61 1.27 1.04 0.98 2.99 2.46 3.48 10 Min Non Synch East 7.43 0.26 2.10 1.14 0.00 0.52 0.55 0.20 2.25 0.25 0.00 3.62 10 Min Non Synch West 1.68 0.00 0.72 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation	17.19 10.02 8.40 2.02 1.77 1.77	12.62 7.32 4.78 1.23 0.93 0.93	13.27 6.36 5.86 0.70 0.47 0.47	8.57 4.47 4.44 0.55 0.24	4.77 2.92 2.86 1.06 0.09 0.09	5.11 2.69 3.37 0.96 0.08 0.08	5.37 2.54 3.65 0.83 0.08 0.08	5.33 2.96 2.85 0.49 0.04 0.04	5.66 3.41 3.08 0.91 0.21	9.41 3.76 4.40 0.27 0.14 0.14	7.04 3.82 3.58 0.89 0.53 0.53	5.73 3.82 2.45 0.95 0.60 0.60
10 Min Non Synch East 7.43 0.26 2.10 1.14 0.00 0.52 0.55 0.20 2.25 0.25 0.00 3.62 10 Min Non Synch West 1.68 0.00 0.72 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05	13.27 6.36 5.86 0.70 0.47 0.47 21.29	8.57 4.47 4.44 0.55 0.24 0.24 9.12	4.77 2.92 2.86 1.06 0.09 0.09 7.99	5.11 2.69 3.37 0.96 0.08 0.08 8.30	5.37 2.54 3.65 0.83 0.08 0.08 8.18	5.33 2.96 2.85 0.49 0.04 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67	9.41 3.76 4.40 0.27 0.14 0.14 8.21	7.04 3.82 3.58 0.89 0.53 0.53 7.74	5.73 3.82 2.45 0.95 0.60 0.60 7.12
10 Min Non Synch West 1.68 0.00 0.72 0.00 0.00 0.00 0.00 0.17 0.13 0.00 1.39 30 Min East 0.08 0.00 0.12 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05	13.27 6.36 5.86 0.70 0.47 0.47 21.29	8.57 4.47 4.44 0.55 0.24 0.24 9.12	4.77 2.92 2.86 1.06 0.09 0.09 7.99	5.11 2.69 3.37 0.96 0.08 0.08 8.30	5.37 2.54 3.65 0.83 0.08 0.08 8.18	5.33 2.96 2.85 0.49 0.04 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67	9.41 3.76 4.40 0.27 0.14 0.14 8.21	7.04 3.82 3.58 0.89 0.53 0.53 7.74	5.73 3.82 2.45 0.95 0.60 0.60 7.12
30 Min East 0.08 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05	13.27 6.36 5.86 0.70 0.47 0.47 21.29	8.57 4.47 4.44 0.55 0.24 0.24 9.12	4.77 2.92 2.86 1.06 0.09 0.09 7.99	5.11 2.69 3.37 0.96 0.08 0.08 8.30	5.37 2.54 3.65 0.83 0.08 0.08 8.18	5.33 2.96 2.85 0.49 0.04 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67	9.41 3.76 4.40 0.27 0.14 0.14 8.21	7.04 3.82 3.58 0.89 0.53 0.53 7.74	5.73 3.82 2.45 0.95 0.60 0.60 7.12
30 Min West 0.08 0.00 0.12 0.00 0.00 0.00 0.00 0.00 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61	4.77 2.92 2.86 1.06 0.09 0.09 7.99	5.11 2.69 3.37 0.96 0.08 0.08 8.30	5.37 2.54 3.65 0.83 0.08 0.08 8.18	5.33 2.96 2.85 0.49 0.04 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99	7.04 3.82 3.58 0.89 0.53 0.53 7.74	5.73 3.82 2.45 0.95 0.60 0.60 7.12
Regulation NYCA Regulation Movement 30.21 29.03 24.35 9.64 7.83 8.95 9.36 7.97 7.62 10.36 9.42 9.99 NYCA Regulation Movement 0.28 0.27 0.26 0.17 0.15 0.17 0.21 0.18 0.21 0.20 0.20 0.17 Real Time Market 10 Min Spin East 19.64 15.48 12.19 4.15 1.78 1.92 2.57 1.96 3.23 4.47 4.51 8.45 10 Min Spin West 13.10 11.80 9.11 0.94 0.61 0.72 1.08 0.76 0.60 3.10 4.12 4.14 10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 <td>Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Spin West</td> <td>17.19 10.02 8.40 2.02 1.77 1.77 37.05</td> <td>12.62 7.32 4.78 1.23 0.93 0.93 24.05</td> <td>13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10</td> <td>8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14</td> <td>4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00</td> <td>5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52</td> <td>5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55</td> <td>5.33 2.96 2.85 0.49 0.04 0.04 8.18</td> <td>5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25</td> <td>9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25</td> <td>7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00</td> <td>5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62</td>	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Spin West	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55	5.33 2.96 2.85 0.49 0.04 0.04 8.18	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62
Regulation NYCA Regulation Movement 30.21 29.03 24.35 9.64 7.83 8.95 9.36 7.97 7.62 10.36 9.42 9.99 NYCA Regulation Movement 0.28 0.27 0.26 0.17 0.15 0.17 0.21 0.18 0.21 0.20 0.20 0.17 Real Time Market 10 Min Spin East 19.64 15.48 12.19 4.15 1.78 1.92 2.57 1.96 3.23 4.47 4.51 8.45 10 Min Spin West 13.10 11.80 9.11 0.94 0.61 0.72 1.08 0.76 0.60 3.10 4.12 4.14 10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 <td>Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West</td> <td>17.19 10.02 8.40 2.02 1.77 1.77 37.05</td> <td>12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00</td> <td>13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72</td> <td>8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00</td> <td>4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00</td> <td>5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00</td> <td>5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00</td> <td>5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00</td> <td>5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17</td> <td>9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13</td> <td>7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00</td> <td>5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39</td>	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39
NYČA Regulation Movement 0.28 0.27 0.26 0.17 0.15 0.17 0.21 0.18 0.21 0.20 0.20 0.17 Real Time Market 10 Min Spin East 19.64 15.48 12.19 4.15 1.78 1.92 2.57 1.96 3.23 4.47 4.51 8.45 10 Min Spin West 13.10 11.80 9.11 0.94 0.61 0.72 1.08 0.76 0.60 3.10 4.12 4.14 10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East	17.19 10.02 8.40 2.02 1.77 1.77 37.05	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15
Real Time Market 10 Min Spin East 19.64 15.48 12.19 4.15 1.78 1.92 2.57 1.96 3.23 4.47 4.51 8.45 10 Min Spin West 13.10 11.80 9.11 0.94 0.61 0.72 1.08 0.76 0.60 3.10 4.12 4.14 10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch East 30 Min East 30 Min East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15
10 Min Spin East 19.64 15.48 12.19 4.15 1.78 1.92 2.57 1.96 3.23 4.47 4.51 8.45 10 Min Spin West 13.10 11.80 9.11 0.94 0.61 0.72 1.08 0.76 0.60 3.10 4.12 4.14 10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.05 0.20 0.00 1.69 30 Min East 1.10 0.00 0.11 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation 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 Regulation	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 0.00 29.03	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 0.00 7.83	5.11 2.69 3.37 0.96 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 0.00 7.97	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 9.42	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99
10 Min Spin West 13.10 11.80 9.11 0.94 0.61 0.72 1.08 0.76 0.60 3.10 4.12 4.14 10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.05 0.20 0.00 1.69 30 Min East 1.10 0.00 0.11 0.00 0.0	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 30 Min East 30 Min West Regulation NYCA Regulation Movement	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 0.00 29.03	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 0.00 7.83	5.11 2.69 3.37 0.96 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 0.00 7.97	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 9.42	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99
10 Min Non Synch East 9.03 0.70 1.59 0.93 0.00 0.48 0.92 0.44 2.09 0.42 0.00 5.23 10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.05 0.20 0.00 1.69 30 Min East 1.10 0.00 0.11 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.16 30 Min West 0.92 0.00 0.11 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Won Synch West 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15	5.11 2.69 3.37 0.96 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 9.42 0.20	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
10 Min Non Synch West 3.37 0.00 0.48 0.00 0.00 0.00 0.00 0.00 0.05 0.20 0.00 1.69 30 Min East 1.10 0.00 0.11 0.00	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation 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 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 9.42 0.20	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
30 Min East 1.10 0.00 0.11 0.00 0.00 0.00 0.00 0.0	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 30.21 0.28	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 9.42 0.20 4.51 4.12	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
30 Min West 0.92 0.00 0.11 0.00 0.00 0.00 0.00 0.00 0.0	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 30.21 0.28	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 9.42 0.20 4.51 4.12	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
Regulation 31.50 29.02 23.52 9.02 7.87 9.21 9.21 8.13 7.31 10.39 10.96 10.94	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin East 10 Min Spin East 10 Min Spin East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15 1.78 0.61 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10 0.42	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 0.00 9.42 0.20 4.51 4.12 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
Regulation 31.50 29.02 23.52 9.02 7.87 9.21 9.21 8.13 7.31 10.39 10.96 10.94	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Spin West	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28 19.64 13.10 9.03 3.37	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 0.00 9.64 0.17	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 0.00 7.83 0.15 1.78 0.61 0.00 0.00	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18	5.66 3.41 3.08 0.91 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10 0.42 0.20	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 9.42 0.20 4.51 4.12 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
v	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 30 Min East 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28 19.64 13.10 9.03 3.37 1.10	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17 4.15 0.94 0.93 0.00 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15	5.11 2.69 3.37 0.96 0.08 0.08 8.30 1.87 0.61 0.52 0.00 0.00 8.95 0.17	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00 0.00	5.33 2.96 2.85 0.49 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18 1.96 0.76 0.44 0.00 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21 3.23 0.60 2.09 0.05 0.00	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10 0.42 0.20 0.00	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 9.42 0.20 4.51 4.12 0.00 0.00 0.00	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East 10 Min Spin East 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Spin West 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min East 30 Min East	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28 19.64 13.10 9.03 3.37 1.10 0.92	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27 15.48 11.80 0.70 0.00 0.00	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26 12.19 9.11 1.59 0.48 0.11 0.11	8.57 4.47 4.44 0.55 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17 4.15 0.93 0.00 0.00 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15 1.78 0.61 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.11 2.69 3.37 0.96 0.08 8.30 1.87 0.61 0.52 0.00 0.00 8.95 0.17 1.92 0.72 0.48 0.00 0.00 0.00	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00 0.00 0.00	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18 1.96 0.76 0.44 0.00 0.00 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21 3.23 0.60 2.09 0.05 0.00 0.00	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10 0.42 0.20 0.00 0.00	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 9.42 0.20 4.51 4.12 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17
	Day Ahead Market 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation RTC Market 10 Min Spin East 10 Min Spin East 10 Min Spin West 10 Min Non Synch East 10 Min Non Synch West 30 Min East 30 Min West Regulation NYCA Regulation Movement Real Time Market 10 Min Spin East 10 Min Non Synch West 30 Min East 30 Min East 30 Min West Regulation	17.19 10.02 8.40 2.02 1.77 1.77 37.05 19.32 12.18 7.43 1.68 0.08 0.08 30.21 0.28 19.64 13.10 9.03 3.37 1.10 0.92 31.50	12.62 7.32 4.78 1.23 0.93 0.93 24.05 16.64 13.16 0.26 0.00 0.00 29.03 0.27	13.27 6.36 5.86 0.70 0.47 0.47 21.29 14.76 10.93 2.10 0.72 0.12 24.35 0.26 12.19 9.11 1.59 0.48 0.11 0.11 23.52	8.57 4.47 4.44 0.55 0.24 0.24 9.12 5.34 1.61 1.14 0.00 0.00 9.64 0.17 4.15 0.94 0.93 0.00 0.00 0.00 0.00	4.77 2.92 2.86 1.06 0.09 0.09 7.99 1.52 0.33 0.00 0.00 0.00 7.83 0.15 1.78 0.61 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5.11 2.69 3.37 0.96 0.08 8.30 1.87 0.61 0.52 0.00 0.00 8.95 0.17 1.92 0.72 0.48 0.00 0.00 0.00 0.00 0.00 0.00	5.37 2.54 3.65 0.83 0.08 0.08 8.18 2.35 1.27 0.55 0.00 0.00 9.36 0.21 2.57 1.08 0.92 0.00 0.00 0.00 9.21	5.33 2.96 2.85 0.49 0.04 0.04 8.18 2.00 1.04 0.20 0.00 0.00 7.97 0.18 1.96 0.76 0.44 0.00 0.00 0.00 0.00 0.00	5.66 3.41 3.08 0.91 0.21 0.21 7.67 3.57 0.98 2.25 0.17 0.02 0.02 7.62 0.21 3.23 0.60 2.09 0.05 0.00 0.00 7.31	9.41 3.76 4.40 0.27 0.14 0.14 8.21 4.32 2.99 0.25 0.13 0.00 0.00 10.36 0.20 4.47 3.10 0.42 0.20 0.00 0.00 10.39	7.04 3.82 3.58 0.89 0.53 0.53 7.74 2.86 2.46 0.00 0.00 0.00 9.42 0.20 4.51 4.12 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5.73 3.82 2.45 0.95 0.60 0.60 7.12 6.51 3.48 3.62 1.39 0.15 0.15 9.99 0.17

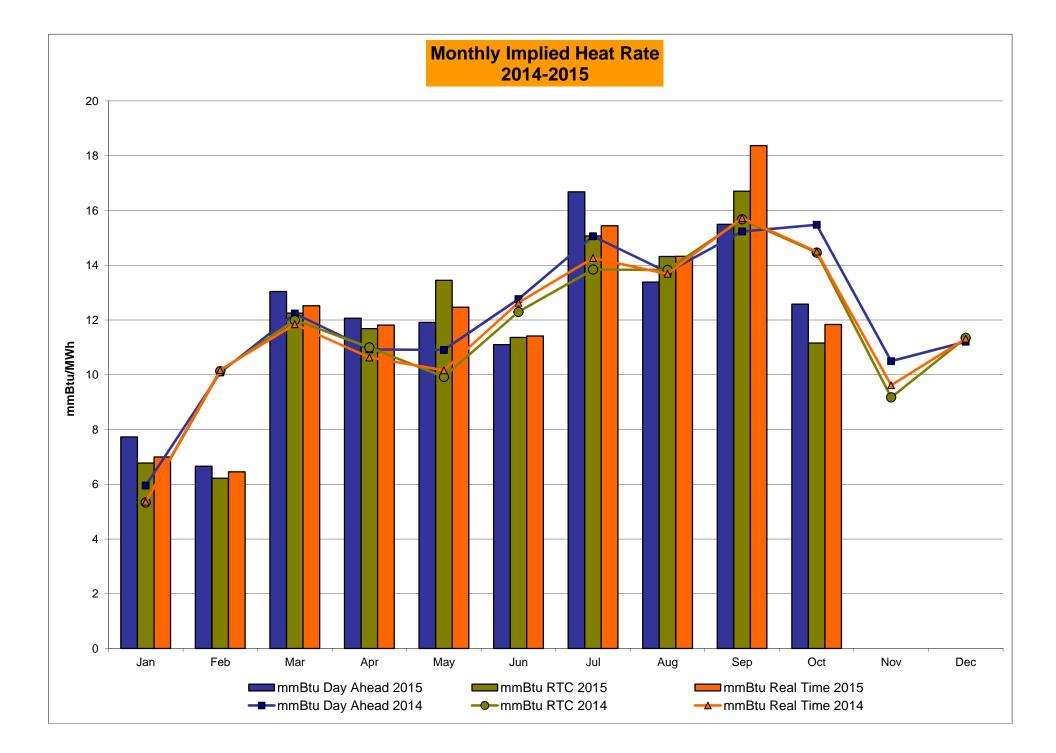
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NYISO In City Energy Mitigation - AMP (NYC Zone) 2014 - 2015 Percentage of committed unit-hours mitigated

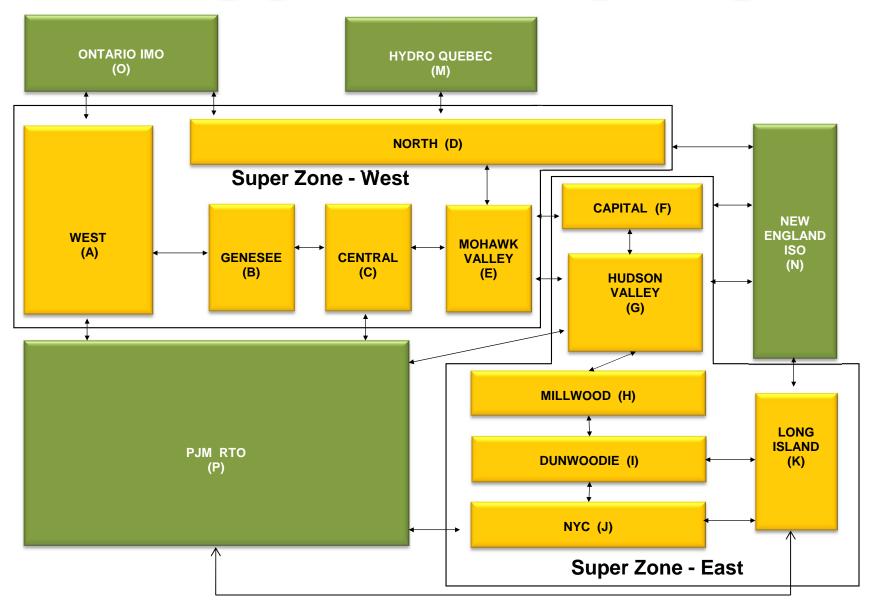








NYISO LBMP ZONES

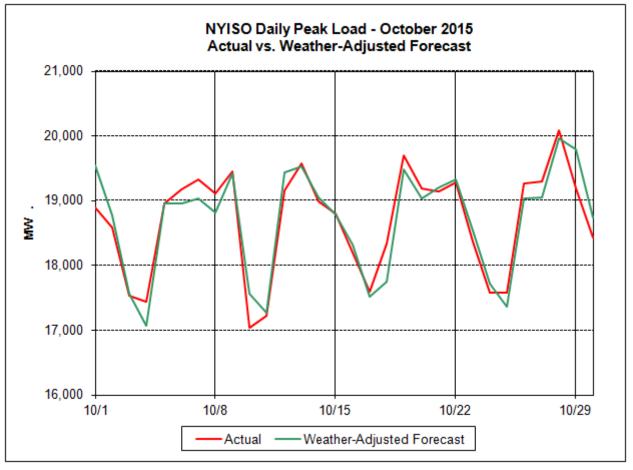


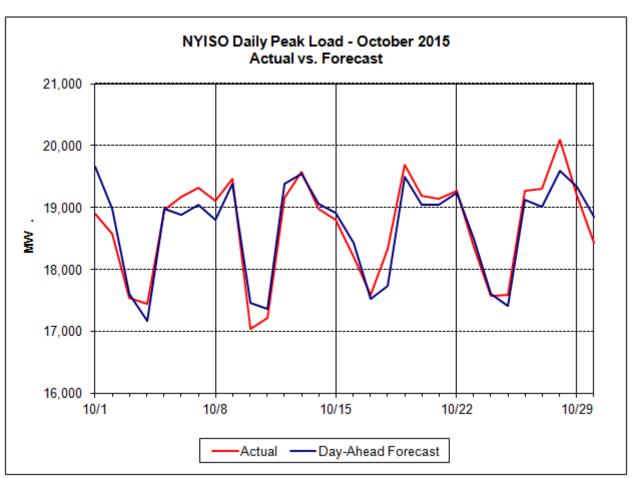
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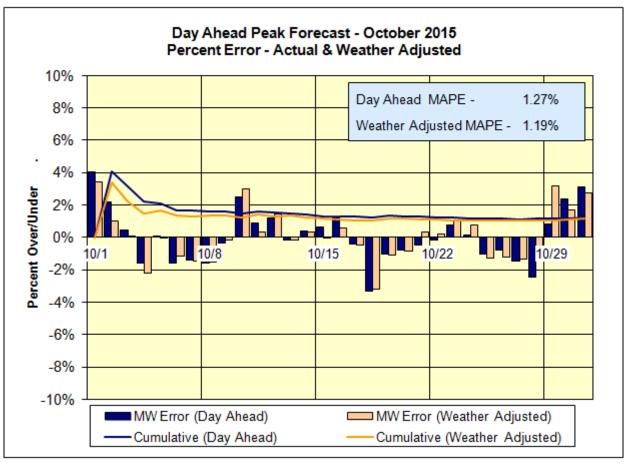
Billing Codes for Chart 4-C

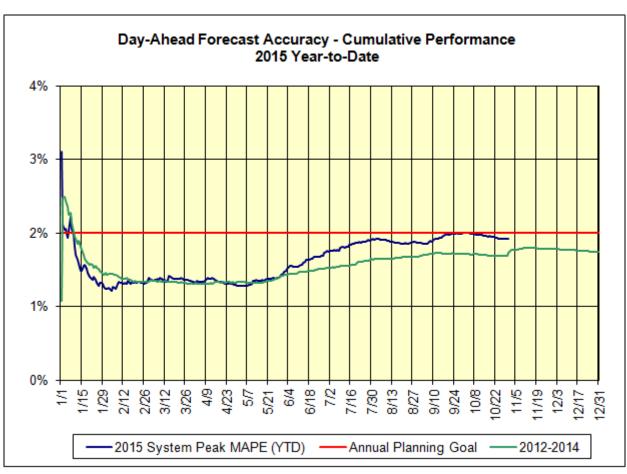
Chart - C Category Name	Billing Code	Billing Category Name
Bid Production Cost Guarantee Balancing	81203	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81204	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee 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: 11/3/2015 9:53 AM









Summary Description of Regulatory Filings, Investigations, Rulemakings and Related Orders in NYISO Matters – October 2015

Filing Date	Filing Summary	Docket	Order Date	Order Summary
04/23/2012	Seneca Power Partners ("Seneca") requested rehearing of the 03/22/2012 Order in which FERC denied in part and dismissed in part the Seneca v. NYISO complaint alleging that NYISO improperly determined the reference levels for Seneca's gas-fired cogeneration facility	EL12-6-001	10/30/2015	FERC order denied the Seneca request for rehearing of the 03/22/2012 order
06/01/2015	NYISO compliance filing re: market rules concerning outage states	ER14-2518-003	10/15/2015	FERC letter order accepted the filing effective 05/01/2015, as requested
06/29/2015	NYISO filing of an answer re: a complaint v. NYISO filed by NYPSC, NYSERDA and NYPA concerning the buyer side mitigation rules	EL15-64-000	10/09/2015	FERC order granted the complaint in part and directed a compliance filing within 90 days (i.e., 01/07/2016)
10/02/2015	NYISO confidential filing re: response to an information request from DPS Staff concerning the NYISO's Long Term Incentive Compensation goals	PSC Matter No. 10-02007		
10/12/2015	NYISO confidential filing re: NYISO's three-month Reliability Commitment Data Report for the period ending 10/30/2015	PSC Matter No. 10-02007		
10/15/2015	NYISO filing re: 3 rd quarter 2015 report on the status of System Impact Study requests in the NYISO queue	RM05-25-000		
10/16/2015	NYISO filing re: request for extension of time to file certain compliance tariff revisions related to comprehensive shortage pricing	ER15-1061-000		
10/19/2015	NYISO compliance filing re: reliability must run tariff provisions	ER16-120-000		
10/20/2015	NYISO compliance/errata filing re: notification of tariff section effective date and ministerial errata concerning comprehensive shortage pricing	ER15-1061-001		
10/21/2015	NYISO motion to intervene and comment re: Galt Power request for tariff waiver concerning submission of data for certain SCRs that Galt brings to the NYISO's ICAP Market	ER15-2750-000		
10/27/2015	NYISO filing re: deficiency response and refiling of its public policy transmission planning process tariff revisions	ER15-2059-001		
10/29/2015	NYISO filing re: amendments to its market power mitigation measures regarding physical withholding and reflecting fuel costs in reference levels	ER16-168-000		

10/30/2015	NYISO filing re: amendments to increase eligibility for the special market rules applicable to generators serving the NYC steam distribution system	ER16-185-000
10/30/2015	NYISO letter to the NYPSC re: NYS transmission system reliability impacts concerning retirement of NRG Energy Inc.'s Huntley units and mothballing of Dunkirk generating units	PSC Case Nos. 15-E-0505 12-E-0136 12-E-0577
10/30/2015	PJM filing, on behalf of CAISO, ISO-NE, MISO, NYISO and SPP, of the 2015 ISO/RTO Metrics Report	AD14-15-000
10/30/2015	NYISO filing of its third quarter 2015 EQR report	ER02-2001-000