

Monthly Report

November 2015

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Operations Performance Metrics Monthly Report



November 2015 Report

Operations & Reliability Department New York Independent System Operator



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November 2015 Operations Performance Highlights

- Peak load of 21,086 MW occurred on 11/30/2015 HB 17
- All-time winter capability period peak load of 25,738 MW occurred on 1/7/2014 HB 18
- 0 hours of Thunder Storm Alerts were declared
- 0 hours of NERC TLR level 3 curtailment
- The automated Fuel Availability Self Reporting web application was launched this month
- The Comprehensive Shortage Pricing project was implemented on November 4th. This project established the SENY reserve region, made changes to NYCA and LI requirements, and updated the demand curve values.
- The following table identifies the estimated production cost savings associated with the Broader Regional Market initiatives.

	Current Month Value (\$M)	Year-to-Date Value (\$M)		
Regional Congestion Coordination	\$3.04	\$14.71		
Regional PJM-NY RT Scheduling	(\$0.15)	\$2.43		
Total	\$2.89	\$17.14		

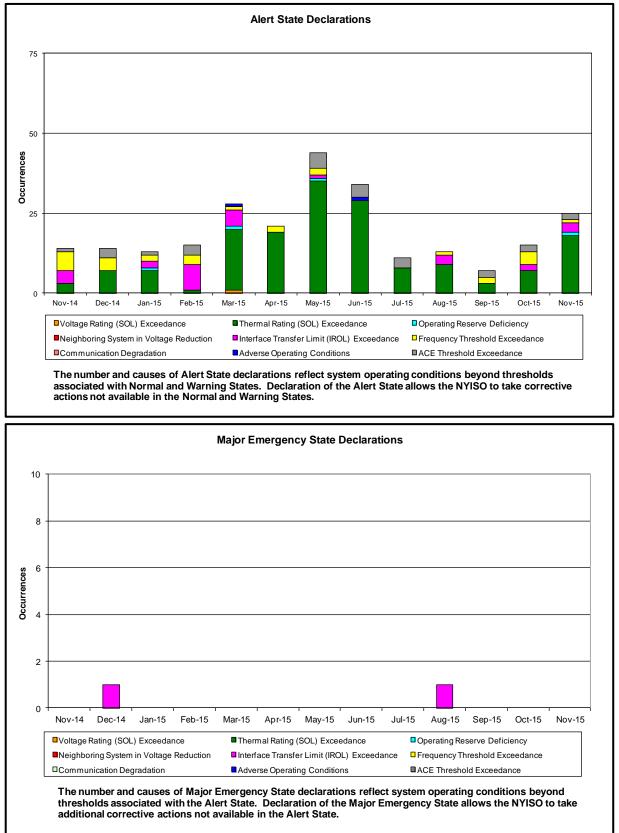
- Statewide uplift cost monthly average was \$0.21/MWh
- The following table identifies the Monthly ICAP spot market prices by locality and changes from the end of the prior Winter Capability period.

Spot Auction Price Results	NYCA	Lower Hudson Valley Zones	New York City Zone	Long Island Zone
December 2015 Spot Price	\$1.28	\$3.48	\$6.29	\$1.85
November 2015 Spot Price	\$0.46	\$3.46	\$6.36	\$1.82
Delta	\$0.82	\$0.02	(\$0.07)	\$0.03

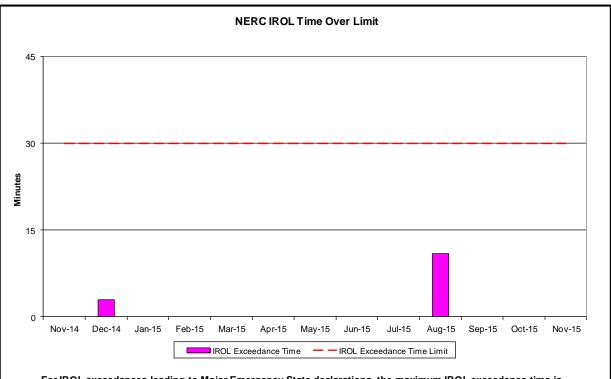
• NYCA - Price change is due to fewer Unsold MW, and a reduction in Net Imports, primarily from the HQ interface.



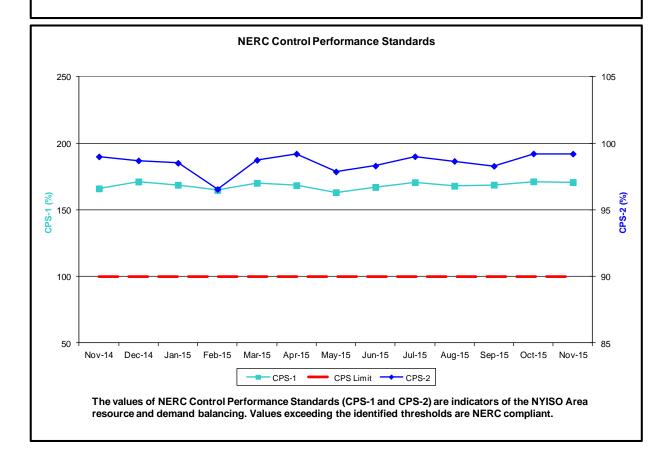
Reliability Performance Metrics



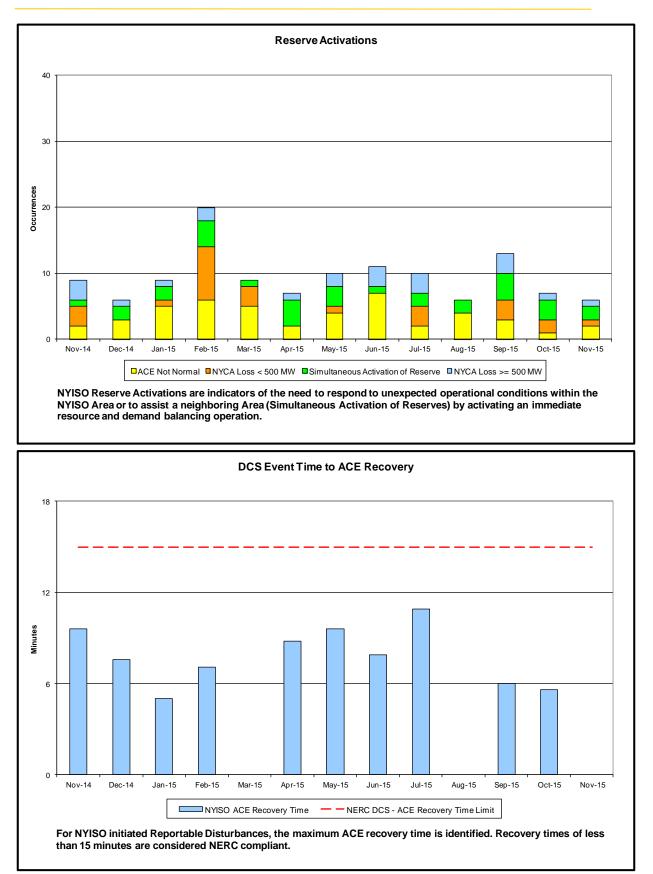




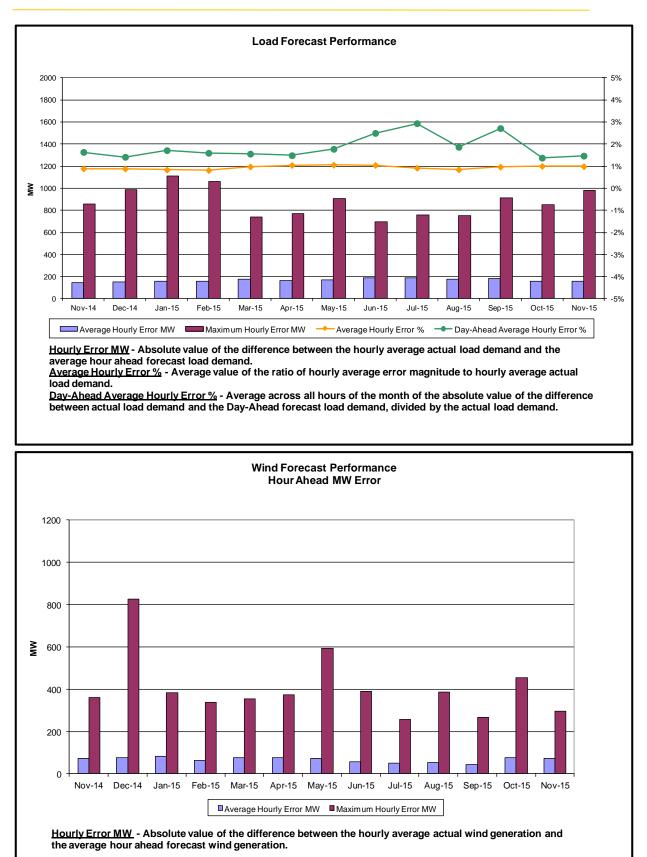
For IROL exceedances leading to Major Emergency State declarations, the maximum IROL exceedence time is identified. IROL exceedances of less than thirty minutes are considered NERC compliant.



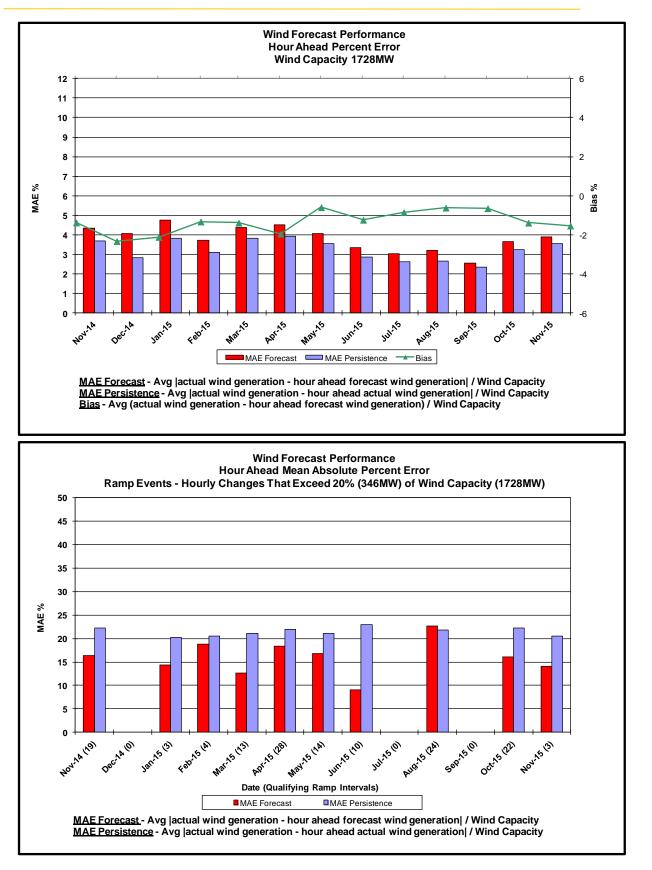




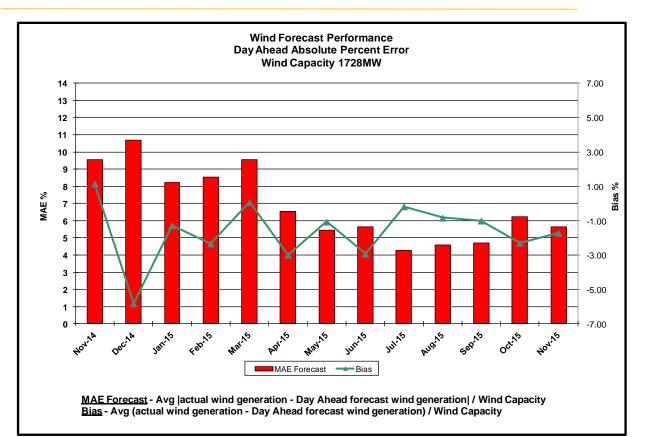


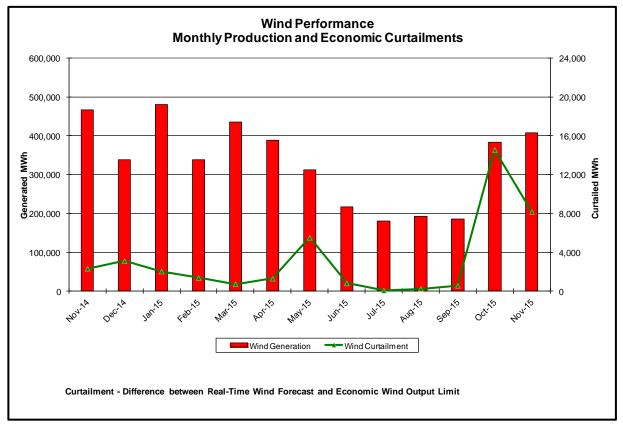




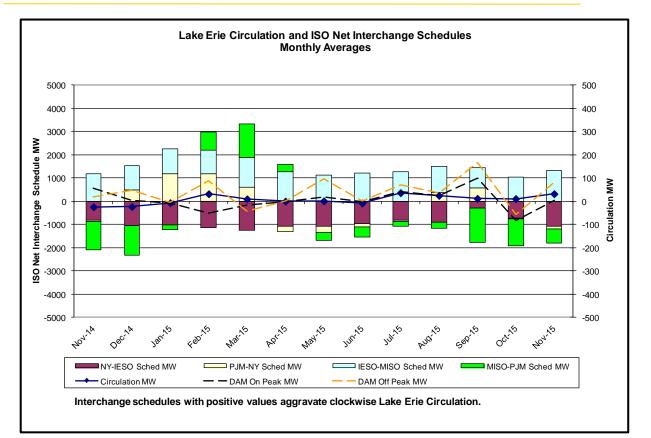


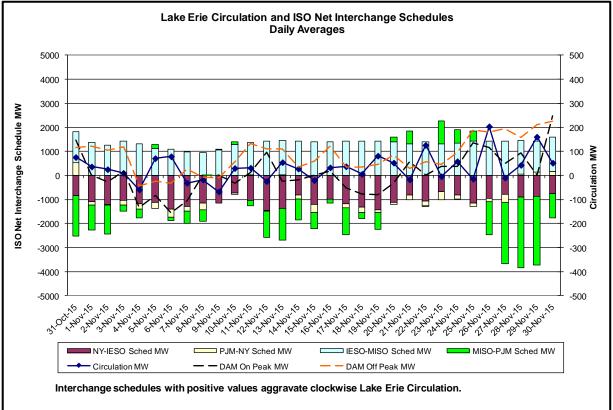




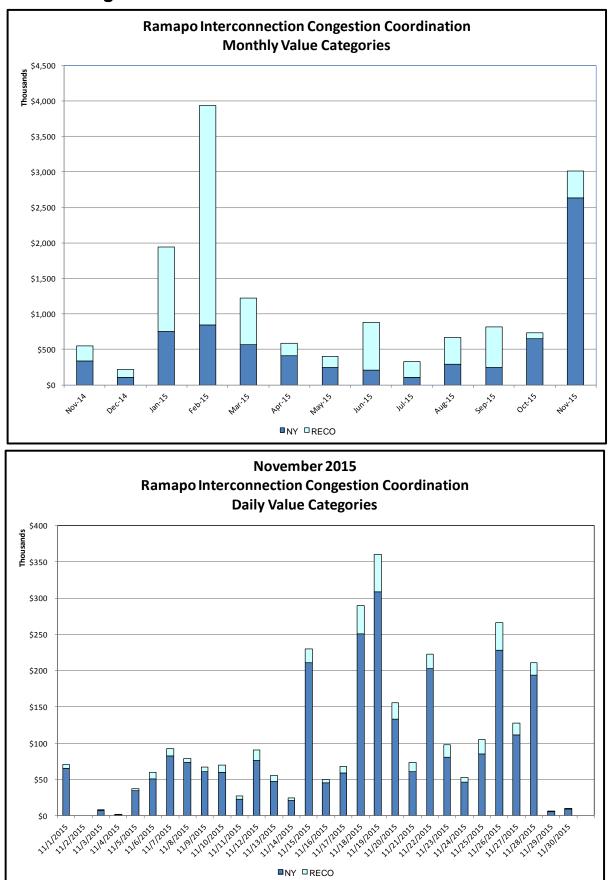












Broader Regional Market Performance Metrics



Ramapo Interconnection Congestion Coordination

<u>Category</u> NY

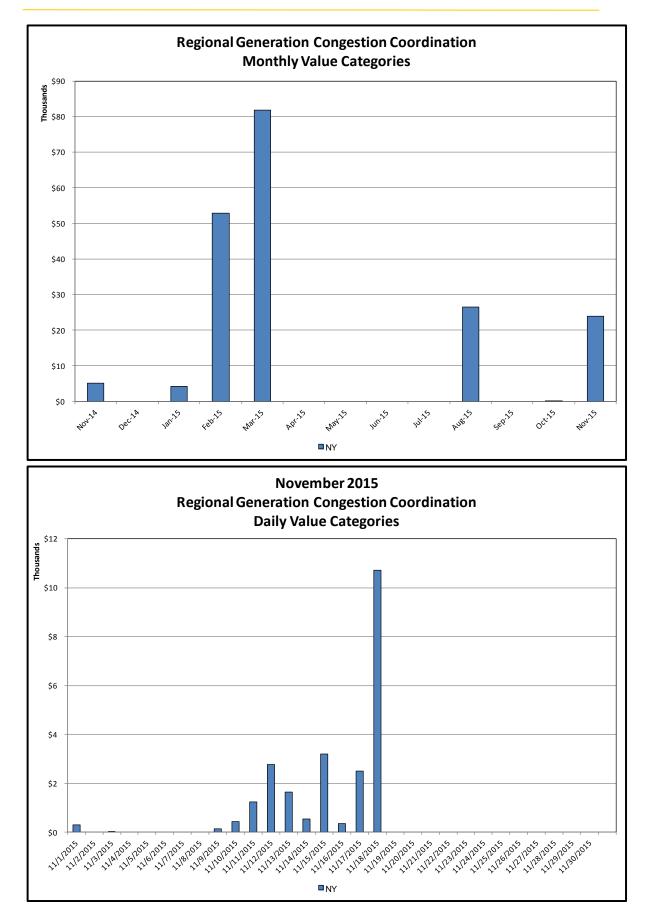
RECO

Description

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.

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.







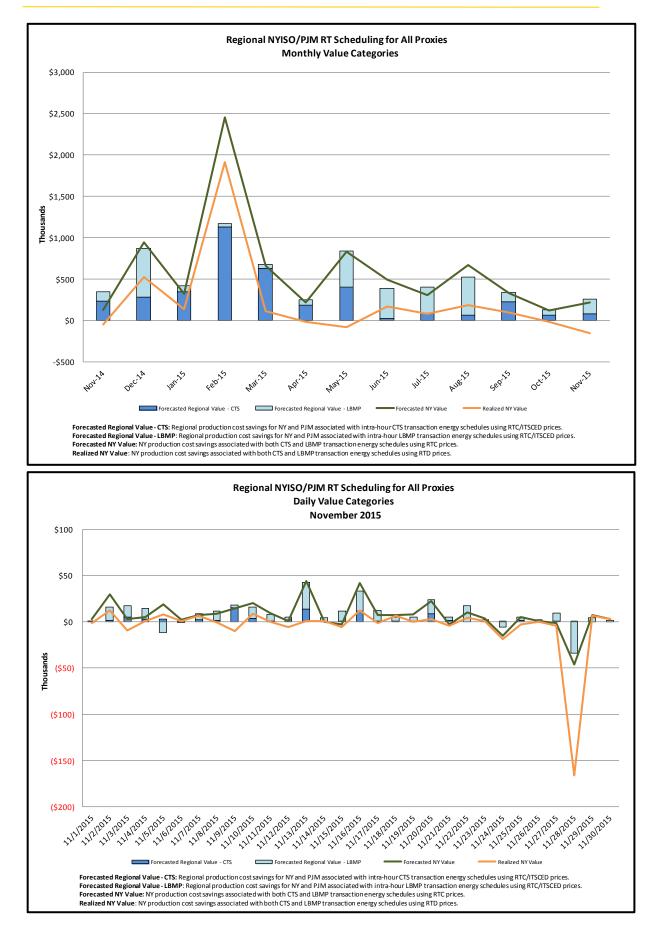
Regional Generation Congestion Coordination

<u>Category</u> NY

Description

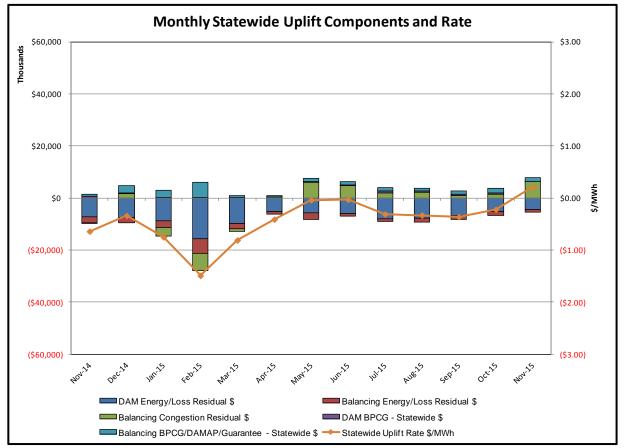
NYISO savings that result from PJM payments to NYISO when PJM's transmission use (PJM's market flow) is greater than PJM's entitlement of the NY transmission system and NYISO is incurring Western or Central NY congestion. Additionally, NYISO savings may result from the more efficient regional utilization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



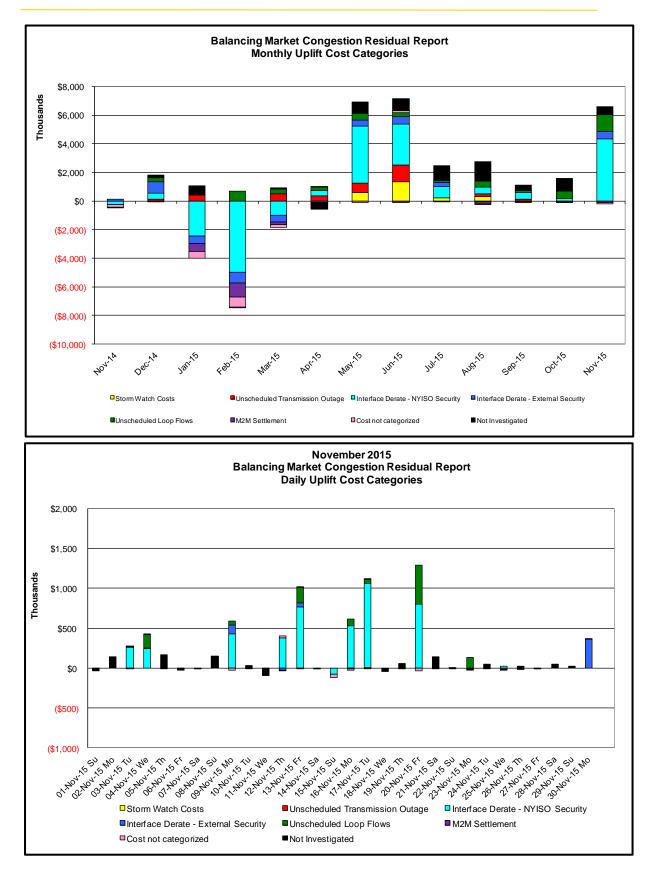




Market Performance Metrics









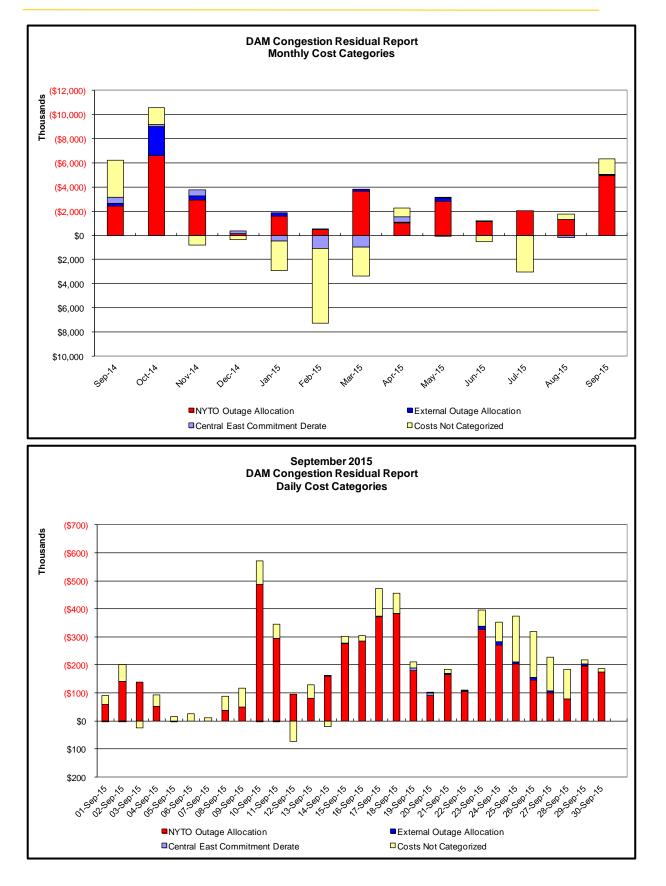
	mber:3,4,9,12,13,1	
t Date (yyyymmdd)		Description
11/3/2015		Derate Astoria East-Hell Gate East 138kV (#34052)
11/3/2015		Derate Dunwoodie-Shore Road 345kV (#Y50)
11/3/2015		Derate Dunwoodie-Shore Road 345kV (#Y50) for I/o SCB:SPBK(RNS2):Y49 & M29
11/3/2015		Derate Farragut-Hudson Avenue 138kV (#32077)
11/3/2015		Derate Packard-Sawyer 230kV (#78) for I/o Packard-Sawyer 230kV (#77)
11/3/2015	18	Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Packard-Sawyer 230kV (#78)
11/4/2015	10	Derate Dunwoodie-Shore Road 345kV (#Y50) for I/o SCB:SPBK(RNS2):Y49 & M29
11/4/2015	10	Derate Huntley-Sawyer 230kV (#80) for I/o Packard-Sawyer 230kV (#77)
11/4/2015		Derate Packard-Sawyer 230kV (#78) for I/o Packard-Sawyer 230kV (#77)
11/4/2015		HQ_CHAT-NY Scheduling Limit
11/4/2015		Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Packard-Sawyer 230kV (#78)
11/9/2015		Derate Central East
11/9/2015		Derate Dunwoodie-Shore Road 345kV (#Y50)
11/9/2015		Derate Durwoodie-Shore Road 345kV (#150) Derate Durwoodie-Shore Road 345kV (#Y50) for I/o NEPTUNE HVDC TIE LINE
11/9/2015		
		Derate Dunwoodie-Shore Road 345kV (#Y50) for I/o SCB:SPBK(RNS2):Y49 & M29
11/9/2015		Derate Packard-Sawyer 230kV (#78) for I/o Packard-Sawyer 230kV (#77)
11/9/2015		
11/9/2015		Uprate East Garden City-Valley Stream (#262) 138kV for I/o SCB:NEWBRDG 1380 461 BK6
11/9/2015		NE_NNC1385-NY Schedling Limit
11/9/2015		HQ_CHAT-NY Scheduling Limit
11/9/2015		Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Packard-Sawyer 230kV (#78)
11/12/2015		Uprate Central East
11/12/2015	10-14	Derate Dunwoodie-Shore Road 345kV (#Y50) for I/o SCB:SPBK(RNS2):Y49 & M29
11/12/2015	15-17	Uprate East Garden City-Valley Stream (#262) 138kV for SCB:NEWBRDG 1380 461 BK6
11/12/2015		Derate Gardenville-Stolle Road 230kV (#66) for I/o TWR:PACKARD 77 & 78
11/12/2015		Derate Leeds-New Scotland 345kV #93) for I/o Leeds-Gilboa 345kV (#GL3)
11/12/2015		Derate Packard-Sawyer 230kV (#78) for I/o Packard-Sawyer 230kV (#77)
11/12/2015		NE_AC-NY Scheduling Limit
11/13/2015		Derate Dunwoodie-Shore Road 345kV (#Y50) for I/o SCB:SPBK(RNS2):Y49 & M29
11/13/2015		Derate Gardenville-Stolle Road 230kV (#66) for I/o TWR:PACKARD 77 & 78
		Derate Packard-Sawyer 230kV (#78) for I/o Packard-Sawyer 230kV (#77)
11/13/2015		
11/13/2015		NE_AC-NY Scheduling Limit
11/13/2015		PJM_AC ACTIVE DNI
11/13/2015		Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Packard-Sawyer 230kV (#78), Gardenville-Stole Road 230kV (#66
		Uprate Central East
11/15/2015		NYCA DNI Ramp Limit
11/16/2015	, ,	Derate Central East
11/16/2015	6-15,20	Derate Packard-Sawyer 230kV (#78) for I/o Packard-Sawyer 230kV (#77)
11/16/2015	8	NYCA DNI Ramp Limit
11/16/2015	17	IESO_AC Active DNI
11/16/2015		Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Packard-Sawyer 230kV (#78)
11/16/2015		Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Central East
11/17/2015	-	Forced outage Gowanus-Greenwood 138kV (#42231)
11/17/2015		Derate Dunwoodie-Shore Road 345kV (#Y50)
11/17/2015		Derate Dunwoodie-Shore Road 345kV (#Y50) for I/o NEPTUNE HVDC TIE LINE
11/17/2015		Derate Gardenville-Stolle Road 230kV (#66) for I/o TWR:PACKARD 77 & 78
		Derate Gardenville-Stolle Road 230KV (#66) for V0 TWR.PACKARD 77 & 78 Derate Greenwood-Vernon 138kV (#31232) for SCB GOW 6 W/GOET 8 O/S
11/17/2015		
11/17/2015		Derate Greenwood-Vernon 138kV (#31232) for SCB:GOW(6):25&42232 G23LM O/S
11/17/2015		Derate Packard-Sawyer 230kV (#78) for I/o Packard-Sawyer 230kV (#77)
11/17/2015		Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Packard-Sawyer 230kV (#78)
11/17/2015		Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Central East
11/20/2015		Derate Central East
	5-13	Derate Gardenville-Stolle Road 230kV (#66) for I/o TWR:PACKARD 77 & 78
11/20/2015	70	Derate Packard-Sawyer 230kV (#78) for I/o Packard-Sawyer 230kV (#77)
11/20/2015 11/20/2015	7,9-11	
		NYCA DNI Ramp Limit
11/20/2015	6,9,11,23	NYCA DNI Ramp Limit
11/20/2015 11/20/2015 11/20/2015	6,9,11,23 5,6,7,9,12,13	NYCA DNI Ramp Limit Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Gardenville-Stole Road 230kV (#66)
11/20/2015 11/20/2015 11/20/2015 11/20/2015	6,9,11,23 5,6,7,9,12,13 6,7,9,11	NYCA DNI Ramp Limit Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Gardenville-Stole Road 230kV (#66) Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Packard-Sawyer 230kV (#78)
11/20/2015 11/20/2015 11/20/2015 11/20/2015 11/20/2015 11/20/2015	6,9,11,23 5,6,7,9,12,13 6,7,9,11 6,7,11,12,13	NYCA DNI Ramp Limit Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Gardenville-Stole Road 230kV (#66) Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Packard-Sawyer 230kV (#78) Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Central East
11/20/2015 11/20/2015 11/20/2015 11/20/2015	6,9,11,23 5,6,7,9,12,13 6,7,9,11 6,7,11,12,13 14,15	NYCA DNI Ramp Limit Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Gardenville-Stole Road 230kV (#66) Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Packard-Sawyer 230kV (#78)



Real-Time Balancing Market Congestion Residual (Uplift Cost) Categories

<u>Category</u> Storm Watch	<u>Cost Assignment</u> Zone J	<u>Events Types</u> Thunderstorm Alert (TSA)	<u>Event Examples</u> TSA Activations							
Unscheduled Transmission Outage	Market-wide	Reduction in DAM to RTM transfers related to unscheduled transmission outage	Forced Line Outage, Unit AVR Outages							
Interface Derate - NYISO Security	Market-wide	Reduction in DAM to RTM transfers not related to transmission outage	Interface Derates due to RTM voltages							
Interface Derate - External Security	Market-wide	Reduction in DAM to RTM transfers related to External Control Area Security Events	TLR Events, External Transaction Curtailments							
Unscheduled Loop Flows	Market-wide	Changes in DAM to RTM unscheduled loop flows impacting NYISO Interface transmission constraints	DAM to RTM Clockwise Lake Erie Loop Flows greater than 125 MW							
M2M Settlement	Market-wide	Settlement result inclusive of coordinated redispatch and Ramapo flowgates								
Monthly Balancing Market Congestion Report Assumptions/Notes										
 Storm Watch Costs are identified as daily total uplift costs Days with a value of BMCR less M2M Settlement of \$100K/HR, shortfall of \$200K/Day or more, or surplus of \$100K/Day or more are investigated. Uplift costs associated with multiple event types are apportioned equally by hour 										



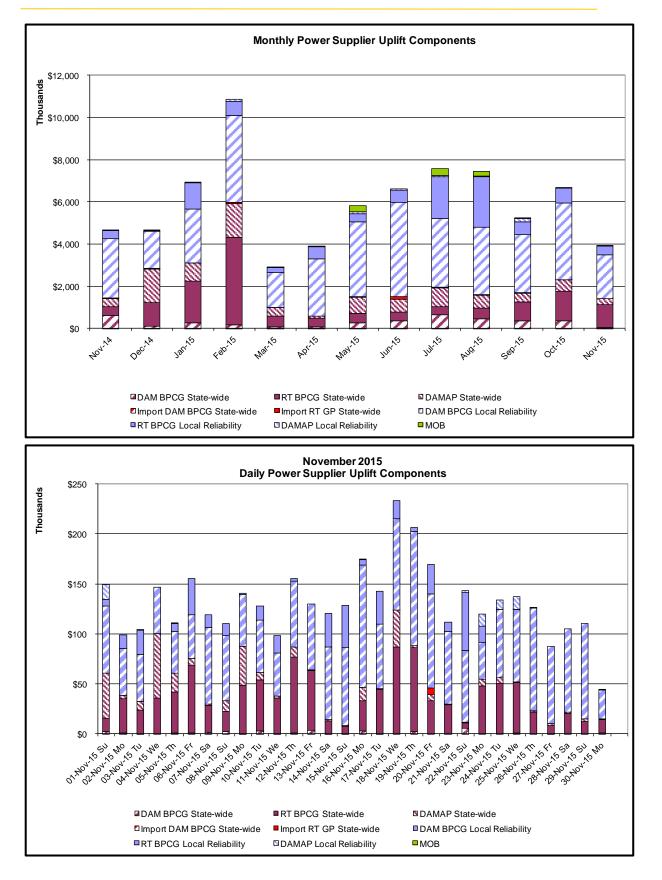




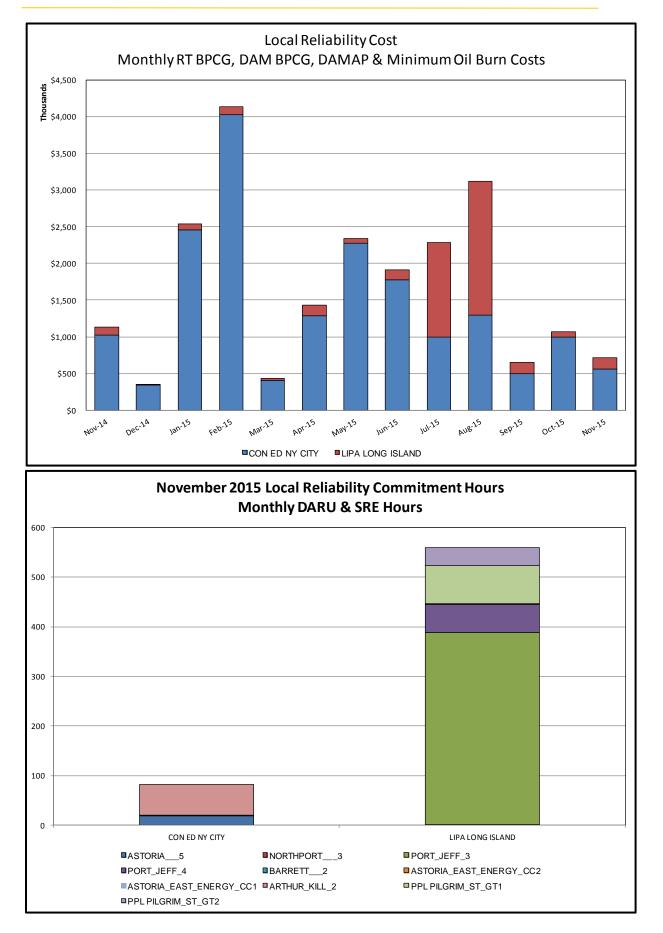
Day-Ahead Market Congestion Residual Categories

<u>Category</u> NYTO Outage Allocation	<u>Cost Assignment</u> Responsible TO	<u>Events Types</u> Direct allocation to NYTO's responsible for transmission equipment status change.	<u>Event Examples</u> DAM scheduled outage for equipment modeled in- service 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.	

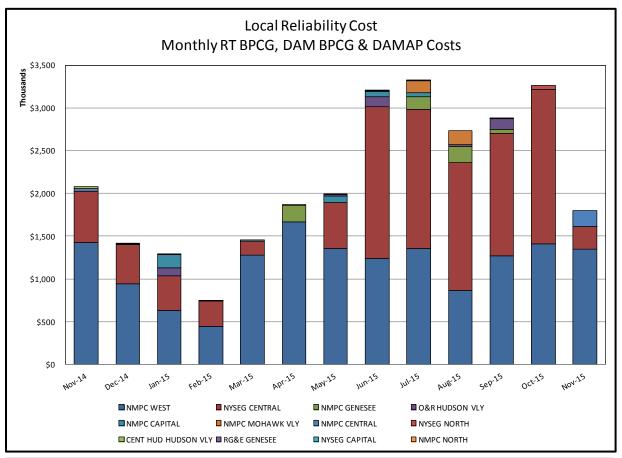


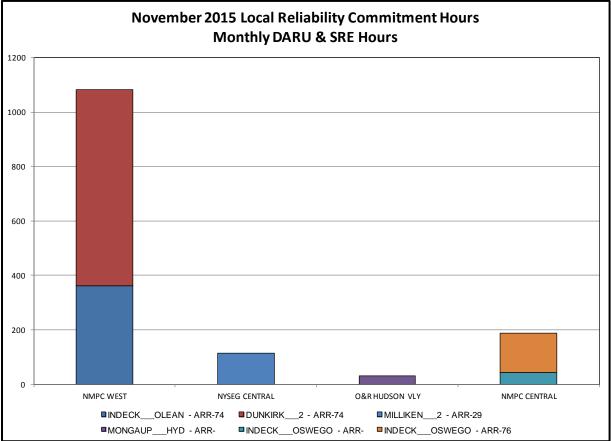




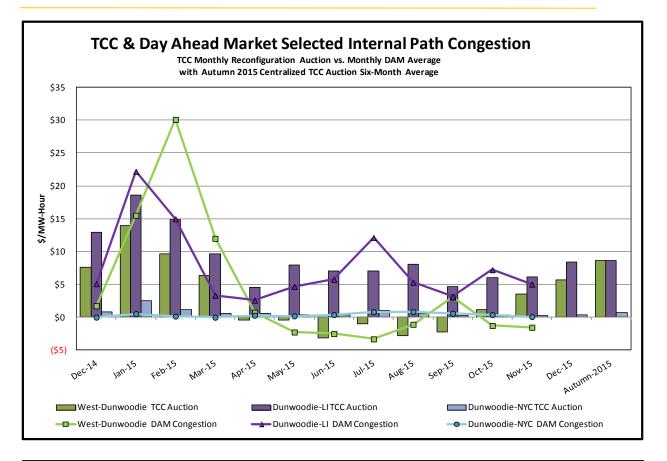


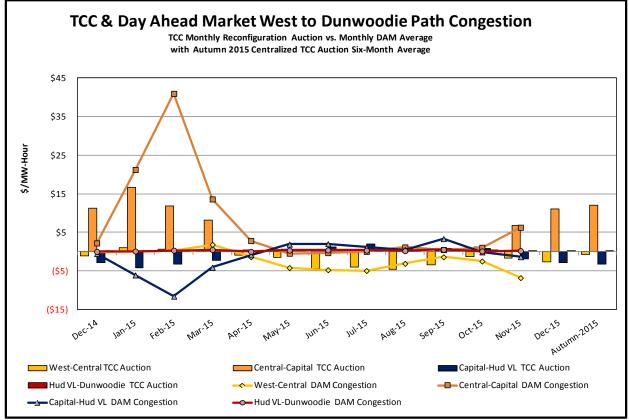




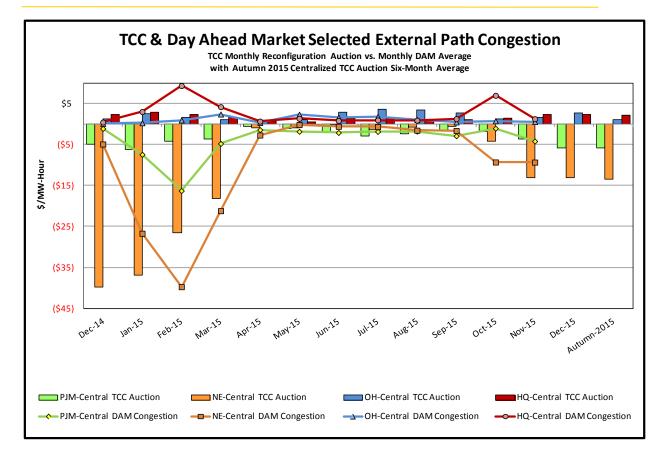




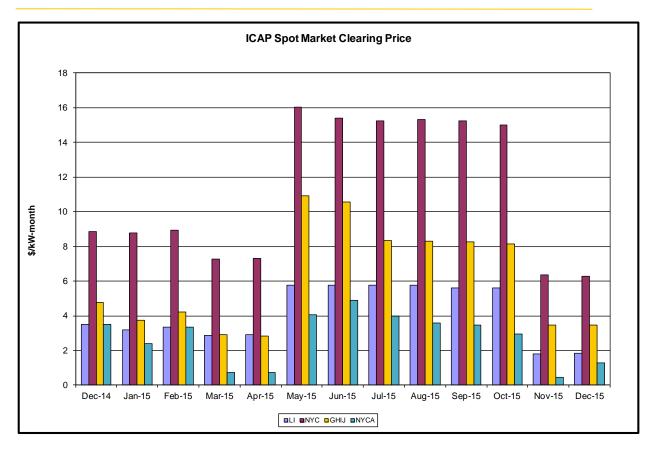


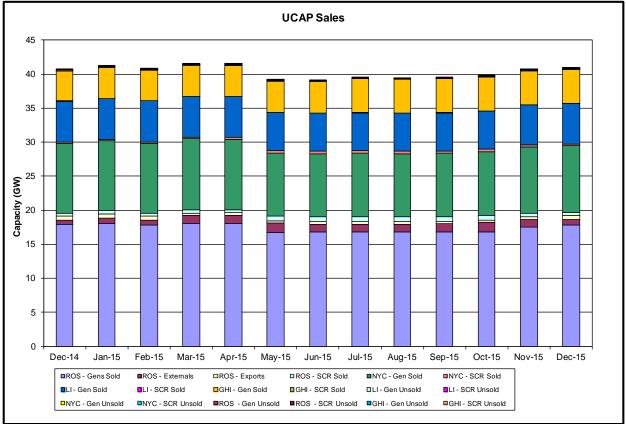










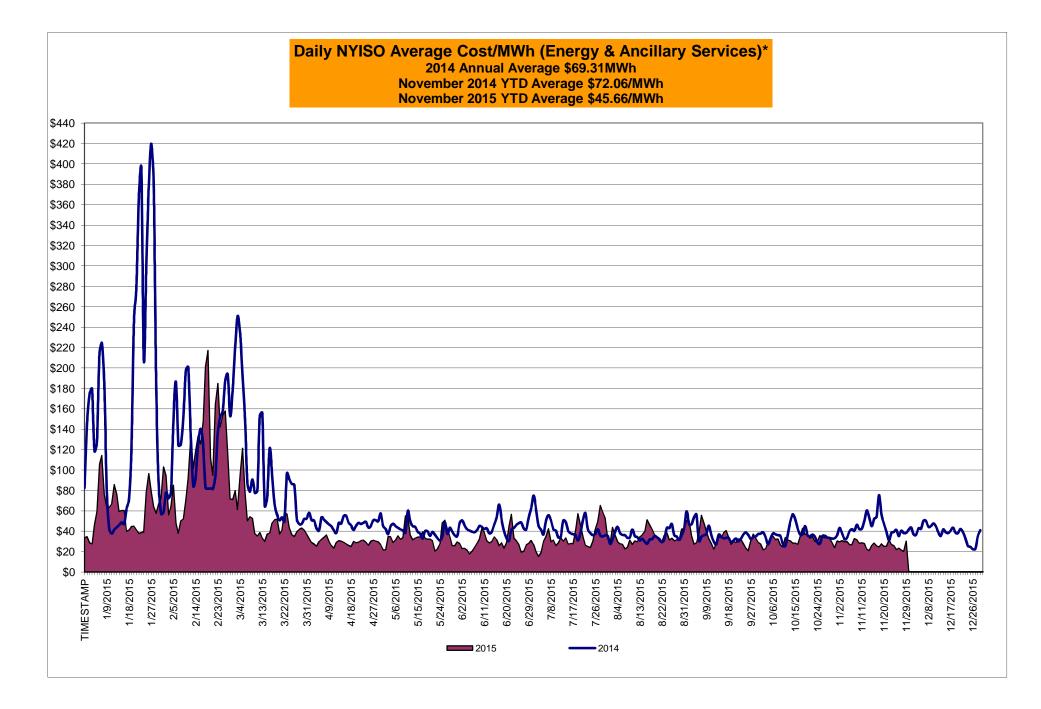


Market Performance Highlights for November 2015

- LBMP for November is \$24.80/MWh; lower than \$30.03/MWh in October 2015 and \$42.89/MWh in November 2014.
 - Day Ahead and Real Time Load Weighted LBMPs are lower compared to October.
 - This is the lowest LBMP for any month during NYISO operation.
- November 2015 average year-to-date monthly cost of \$45.66/MWh is a 37% decrease from \$72.06/MWh in November 2014.
- Average daily sendout is 396 GWh/day in November; higher than 389 GWh/day in October 2015 and lower than 413 GWh/day in November 2014.
- Natural gas and distillate prices were lower compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$1.80/MMBtu, down from \$2.16/MMBtu in October.
 - Natural gas prices are down 54% year-over-year
 - > Lowest monthly average gas price in NYISO operation.
 - Jet Kerosene Gulf Coast was \$9.80/MMBtu, down from \$10.33/MMBtu in October.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$10.06/MMBtu, down from \$10.53/MMBtu in October.
 - Distillate prices are down 42% year-over-year
- Uplift per MWh is higher compared to the previous month.
 - Uplift (not including NYISO cost of operations) is \$0.40/MWh; higher than \$0.11/MWh in October.
 - The Local Reliability Share is \$0.19/MWh, lower than \$0.33 in October.
 - The Statewide Share is \$0.21/MWh, higher than (\$0.22)/MWh in October.
 - TSA \$ per NYC MWh is \$0.00/MWh.
- Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than October.

12/8/2015

Market Mitigation and Analysis



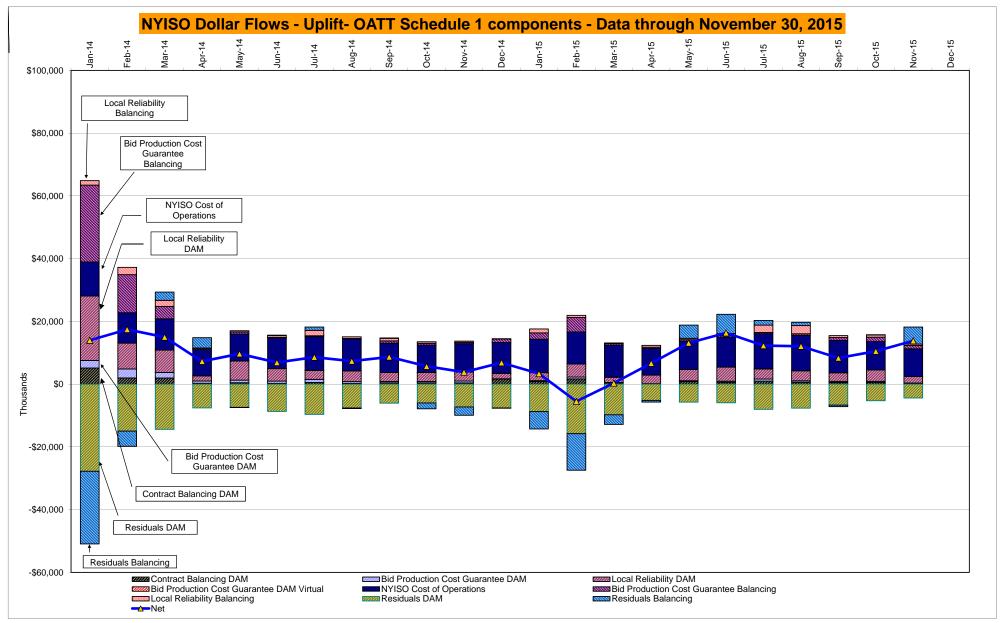
* Excludes ICAP payments.

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

2015	January	February	March	<u>April</u>	May	June	July	August	September	October	November	December
LBMP	59.61	114.37	52.09	28.36	32.98	28.20	34.77	33.09	34.39	30.03	24.80	
NTAC	0.32	0.35	0.41	0.64	0.56	0.80	0.54	0.60	0.73	0.54	0.68	
Reserve	0.27	0.37	0.56	0.36	0.38	0.24	0.27	0.20	0.28	0.28	0.47	
Regulation	0.10	0.18	0.11	0.12	0.10	0.13	0.12	0.12	0.10	0.12	0.13	
NYISO Cost of Operations	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	
Uplift	(0.48)	(1.08)	(0.68)	(0.15)	0.26	0.33	0.04	0.03	(0.14)	0.11	0.40	
Uplift: Local Reliability Share	0.25	0.33	0.13	0.27	0.30	0.37	0.35	0.36	0.22	0.33	0.19	
Uplift: Statewide Share	(0.73)	(1.41)	(0.81)	(0.42)	(0.05)	(0.04)	(0.30)	(0.33)	(0.37)	(0.22)	0.21	
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	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	27.58	
Avg Monthly Cost	00.91	115.27	55.50	50.41	55.57	30.79	30.04	55.15	50.45	52.17	27.50	
Avg YTD Cost	60.91	87.74	76.64	66.82	60.96	56.02	52.77	50.20	48.60	47.17	45.66	
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.17	0.50	0.07	0.06	0.01	0.00	0.00	
2014	January	February	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	0.40	0.22	0.40	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	112.15	40.02	42.31	43.39	45.57	50.14	39.30	57.59	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	January	February	March	April	May	June	July	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 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.										Data r	eflects true-ups thr	u July 2015.

* Excludes ICAP payments. Market Mitigation and Analysis Prepared: 12/4/2015 9:04 AM

Data reflects true-ups thru July 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 2015 February March April September October November January May June July August December 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 13 338 332 Dav Ahead Market MWh DAM LSE Internal LBMP Energy Sales 55% 54% 53% 55% 57% 57% 62% 61% 58% 53% 53% DAM External TC LBMP Energy Sales 5% 6% 6% 4% 2% 1% 1% 3% 6% 5% 1% DAM Bilateral - Internal Bilaterals 35% 33% 33% 33% 35% 33% 30% 31% 31% 34% 33% 3% 5% 5% 6% 4% 5% 4% 4% 5% 5% DAM Bilateral - Importl/Non-LBMP Market Bilaterals 5% DAM Bilateral - Export/Non-LBMP Market Bilaterals 2% 2% 1% 2% 1% 1% 1% 1% 1% 2% 2% DAM Bilateral - Wheel Through Bilaterals 0% 1% 1% 1% 0% 2% 2% 2% 2% 1% 2% Balancing Energy Market MWh -650.944 -296.616 -396.739 -409.205 -331.091 -549.794 -505.637 -225.362 -31.706 -595.704 -684.006 Balancing Energy LSE Internal LBMP Energy Sales -149% -247% -192% -357% -147% -142% -106% -120% -139% -116% -111% Balancing Energy External TC LBMP Energy Sales 30% 113% 64% 36% 35% 16% 25% 51% 115% 13% 12% Balancing Energy Bilateral - Internal Bilaterals 13% 14% 19% 5% 6% 6% 13% 25% 251% 7% 5% Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals 0% 0% 0% 0% 0% 1% 0% 0% 0% 0% 0% Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals 6% 8% 12% 12% 10% 4% 3% 8% 48% 5% 5% Balancing Energy Bilateral - Wheel Through Bilaterals 0% 12% -4% -5% -9% -22% -21% -44% -157% -9% -12% Transactions Summary LBMP 58% 59% 57% 61% 56% 57% 58% 57% 61% 61% 56% Internal Bilaterals 37% 34% 35% 35% 36% 35% 32% 32% 32% 36% 35% 3% 5% 5% 4% 5% 5% Import Bilaterals 6% 5% 5% 5% 6% 2% Export Bilaterals 2% 2% 2% 2% 1% 1% 1% 1% 2% 2% Wheels Through 0% 1% 1% 0% 0% 1% 1% 1% 1% 0% 1% Market Share of Total Load Dav Ahead Market 104.3% 102.0% 102.7% 103.4% 102.6% 104.0% 103.1% 101.4% 100.2% 104.6% 105.4% -4.3% -2.0% -2.7% -3.4% -0.2% -4.6% -5.4% Balancing Energy + -2.6% -4.0% -3.1% -1.4% 12.950.329 Total MWH 15.310.362 14.670.755 14.662.468 12.180.116 12.960.826 13.727.505 16.067.390 16.108.570 14.709.201 12.654.326 Average Daily Energy Sendout/Month GWh 462 436 387 409 450 389 396 481 512 511 473 2014 Januarv Februarv March April May June July August September October November December 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 Day Ahead Market MWh 14 992 656 DAM LSE Internal LBMP Energy Sales 50% 53% 58% 54% 52% 56% 53% 54% 57% 56% 54% 54% DAM External TC LBMP Energy Sales 5% 7% 6% 3% 2% 3% 1% 0% 1% 2% 5% 5% DAM Bilateral - Internal Bilaterals 36% 36% 35% 33% 38% 36% 34% 35% 36% 38% 36% 36% DAM Bilateral - Importl/Non-LBMP Market Bilaterals 5% 5% 5% 6% 5% 5% 4% 5% 4% 4% 3% 3% 2% 2% 2% DAM Bilateral - Export/Non-LBMP Market Bilaterals 1% 1% 2% 2% 1% 1% 1% 1% 2% DAM Bilateral - Wheel Through Bilaterals 1% 1% 1% 0% 1% 1% 1% 1% 1% 0% 0% 0% -854,501 Balancing Energy Market MWh -249,484 -298,340 -116,173 54,298 -510,467 -558,413 -764,108 -674,285 -999,342 -750,627 -705,848 Balancing Energy LSE Internal LBMP Energy Sales -232% -203% -294% -190% -133% -114% -116% -117% -129% -124% -134% -137% Balancing Energy External TC LBMP Energy Sales 105% 76% 97% 207% 21% 22% 18% 15% 24% 14% 20% 28% Balancing Energy Bilateral - Internal Bilaterals 20% 26% 69% 27% 3% 7% 4% 7% 7% 7% 9% 4% Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals 0% 0% 12% 0% 0% 2% 1% 0% 0% 0% 3% 0% 6% 25% 67% Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals 11% 4% 3% 2% 2% 3% 3% 5% 3% Balancing Energy Bilateral - Wheel Through Bilaterals -4% -6% -10% -12% 1% -18% -8% -7% -7% -1% 0% 1% Transactions Summary 56% 56% 57% 52% 56% I BMP 59% 53% 55% 57% 55% 55% 55% Internal Bilaterals 37% 37% 36% 33% 39% 38% 36% 37% 38% 42% 39% 38% 5% 5% 5% 6% 5% 5% 5% 5% 5% 4% 4% 3% Import Bilaterals Export Bilaterals 2% 1% 2% 2% 1% 1% 2% 2% 2% 2% 2% 2% 1% 1% 1% 1% 0% Wheels Through 0% 1% 1% 1% 1% 1% 0% Market Share of Total Load Day Ahead Market 101.6% 102.1% 100.8% 99.6% 104.1% 103.9% 105.5% 105.2% 104.9% 107.9% 105.7% 104.9% -4.9% -7.9% -4.9% Balancing Energy + -1.6% -2.1% -0.8% 0.4% -4.1% -3.9% -5.5% -5.2% -5.7% Total MWH 15.784.780 14.111.175 14.517.397 12.156.045 12.473.991 14.161.516 15.673.837 14.772.502 13.638.224 12.684.816 13.194.882 14.286.808 475 460 440 390 470 Average Daily Energy Sendout/Month GWh 391 456 496 442 394 413 433

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

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

Market Mitigation and Analysis Prepared: 12/4/2015 9:24 AM Virtual Transactions are not reflected in this chart.

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

D

Data reflects true-ups thru July 2015

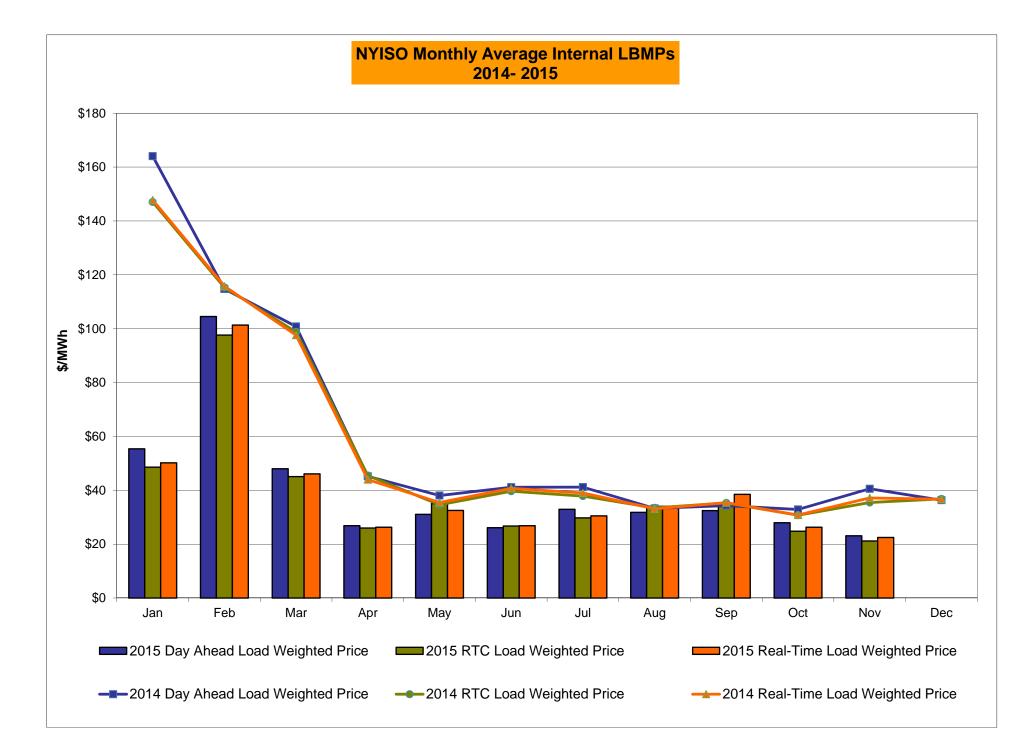
NYISO Markets 2015 Energy Statistics

	<u>January</u>	February	March	<u>April</u>	May	June	July	<u>August</u>	<u>September</u>	October	November December
DAY AHEAD LBMP											
Price *	\$53.35	\$101.48	\$46.59	\$26.07	\$29.21	\$24.30	\$30.27	\$30.01	\$30.18	\$27.11	\$22.18
Standard Deviation	\$24.61	\$48.85	\$21.51	\$6.73	\$13.44	\$11.96	\$17.67	\$12.05	\$13.37	\$7.64	\$7.94
Load Weighted Price **	\$55.40	\$104.52	\$48.01	\$26.84	\$31.08	\$26.12	\$32.94	\$31.81	\$32.46	\$27.95	\$23.12
RTC LBMP											
Price *	\$46.98	\$95.06	\$43.43	\$25.11	\$32.85	\$24.73	\$27.51	\$31.83	\$32.39	\$23.97	\$20.07
Standard Deviation	\$22.84	\$47.55	\$29.42	\$12.31	\$35.40	\$24.71	\$21.84	\$23.25	\$22.99	\$10.56	\$15.66
Load Weighted Price **	\$48.59	\$97.62	\$45.10	\$26.00	\$35.08	\$26.73	\$29.76	\$34.04	\$34.99	\$24.79	\$21.17
REAL TIME LBMP											
Price *	\$48.51	\$98.83	\$44.38	\$25.46	\$30.39	\$23.96	\$27.71	\$31.54	\$34.82	\$25.50	\$21.33
Standard Deviation	\$25.99	\$52.53	\$29.07	\$12.66	\$31.69	\$31.14	\$23.42	\$26.51	\$34.85	\$12.56	\$18.76
Load Weighted Price **	\$50.18	\$101.34	\$46.10	\$26.28	\$32.52	\$26.86	\$30.50	\$34.05	\$38.48	\$26.29	\$22.47
Average Daily Energy Sendout/Month GWh	462	481	436	387	409	450	512	511	473	389	396

NYISO Markets 2014 Energy Statistics

	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August	<u>September</u>	<u>October</u>	November [<u>December</u>
DAY AHEAD LBMP Price * Standard Deviation Load Weighted Price **	\$155.11 \$121.52 \$164.06	\$110.69 \$50.86 \$114.77	\$97.07 \$59.89 \$100.81	\$44.16 \$8.90 \$45.19	\$36.61 \$10.99 \$38.05	\$39.17 \$12.29 \$41.14	\$38.82 \$15.56 \$41.18	\$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
RTC LBMP Price * Standard Deviation Load Weighted Price **	\$138.41 \$125.42 \$147.06	\$110.71 \$72.22 \$115.31	\$94.71 \$97.72 \$98.80	\$44.00 \$27.44 \$45.48	\$33.16 \$17.51 \$34.63	\$37.34 \$25.39 \$39.64	\$35.32 \$24.90 \$37.85	\$31.74 \$23.34 \$33.48	\$32.89 \$33.68 \$35.31	\$29.23 \$20.45 \$30.74	\$34.27 \$14.23 \$35.46	\$34.99 \$35.81 \$36.79
<u>REAL TIME LBMP</u> Price * Standard Deviation Load Weighted Price **	\$137.90 \$122.32 \$147.77	\$111.51 \$70.35 \$115.80	\$93.37 \$89.05 \$97.58	\$42.79 \$19.38 \$43.97	\$34.06 \$17.15 \$35.46	\$38.23 \$23.33 \$40.71	\$35.97 \$27.27 \$39.00	\$31.21 \$18.18 \$33.13	\$32.50 \$33.51 \$35.42	\$29.36 \$21.14 \$30.81	\$36.01 \$17.99 \$37.17	\$34.80 \$42.67 \$36.69
Average Daily Energy Sendout/Month GWh	475	460	440	390	391	456	496	470	442	394	413	433

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

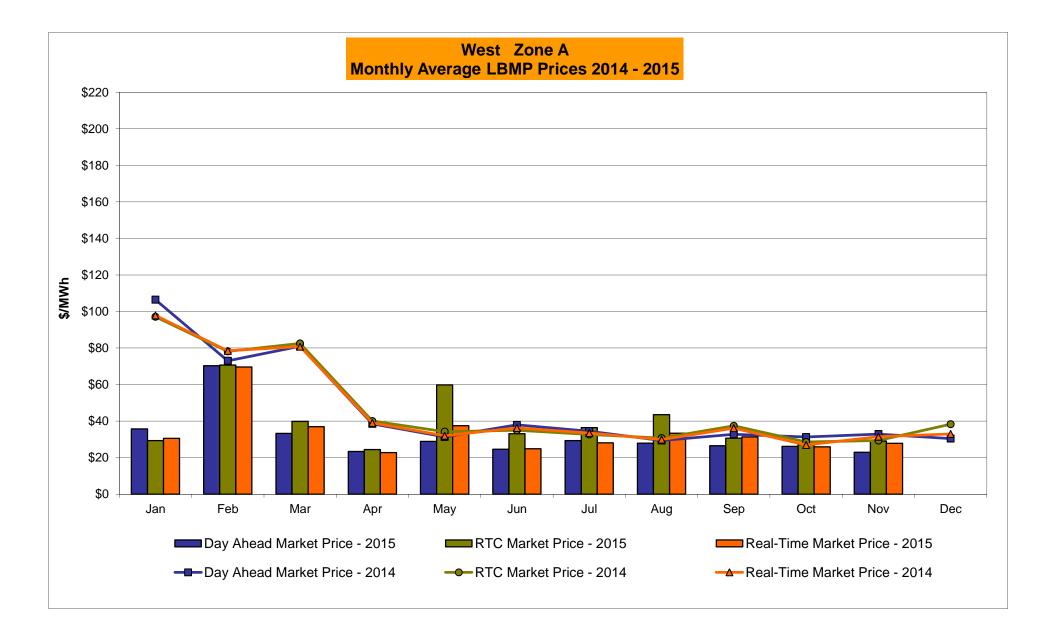


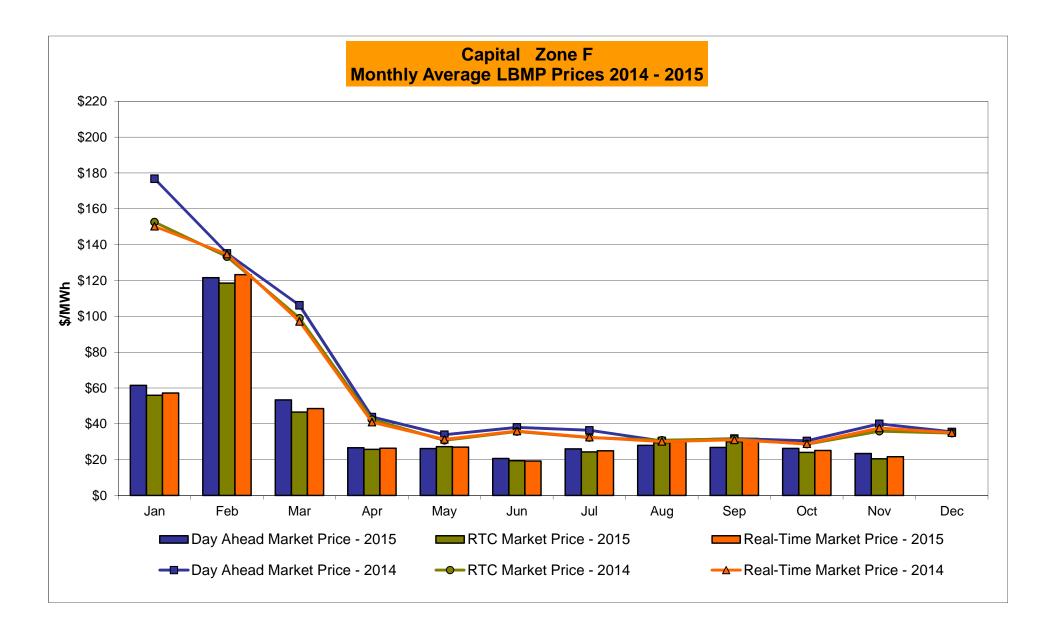
November 2015 Zonal LBMP Statistics for NYISO (\$/MWh)

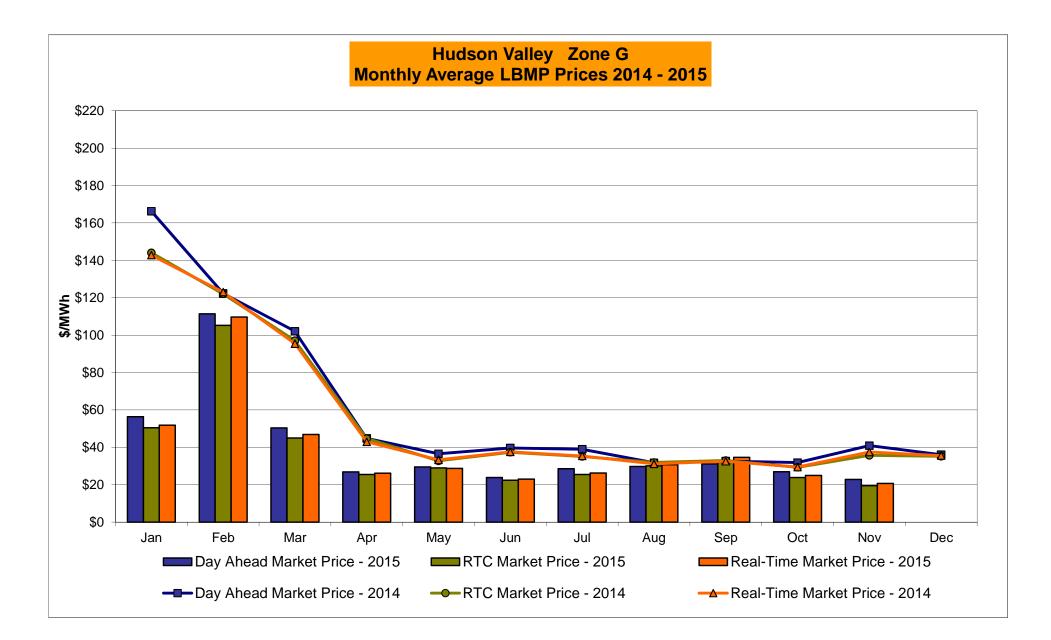
DAY AHEAD LBMP	WEST <u>Zone A</u>	GENESEE Zone B	NORTH Zone D	CENTRAL Zone C	MOHAWK VALLEY <u>Zone E</u>	CAPITAL Zone F	HUDSON VALLEY <u>Zone G</u>	MILLWOOD Zone H	DUNWOODIE Zone I	NEW YORK CITY <u>Zone J</u>	LONG ISLAND <u>Zone K</u>
Unweighted Price *	22.94	15.75	14.48	16.33	16.52	23.38	22.78	23.10	23.16	23.35	28.85
Standard Deviation	14.04	7.29	6.92	7.68	7.41	6.64	7.13	7.22	7.24	7.42	10.41
RTC LBMP											
Unweighted Price *	29.06	13.37	11.98	13.93	14.05	20.46	19.45	19.66	19.66	19.93	25.58
Standard Deviation	69.72	12.61	11.97	13.76	12.75	12.40	12.48	12.52	12.49	12.78	24.71
REAL TIME LBMP											
Unweighted Price *	27.84	14.50	13.13	15.11	15.28	21.62	20.66	20.86	20.86	21.55	28.73
Standard Deviation	52.62	17.27	17.20	18.75	17.66	15.45	15.72	15.72	15.70	17.55	33.99

	ONTARIO IESO	HYDRO QUEBEC (Wheel)	HYDRO QUEBEC (Import/Export)	РЈМ	NEW ENGLAND	CABLE	NORWALK	NEPTUNE		HUDSON	Dennison
	Zone O	Zone M	Zone M	Zone P	Zone N	Controllable Line	<u>Controllable</u> Line	Controllable Line	Controllable Line	Controllable Line	Controllable Line
DAY AHEAD LBMP	<u>Lone o</u>			<u>Lone r</u>	<u>Lone n</u>						
Unweighted Price *	15.13	14.30	14.30	21.31	26.84	28.43	27.96	26.52	21.82	23.24	14.33
Standard Deviation	6.58	7.06	7.06	7.76	10.11	10.20	9.44	9.41	6.16	7.27	6.77
RTC LBMP											
Unweighted Price *	11.67	11.86	11.87	18.95	19.82	24.92	22.40	21.61	19.09	19.38	11.70
Standard Deviation	10.49	11.18	11.18	14.90	11.21	25.20	16.96	16.02	10.76	11.27	11.09
REAL TIME LBMP											
Unweighted Price *	13.35	12.65	12.65	19.84	28.07	27.27	25.91	23.76	20.60	20.59	12.80
Standard Deviation	14.65	15.64	15.64	16.96	20.52	28.43	24.42	19.98	14.50	14.52	16.50

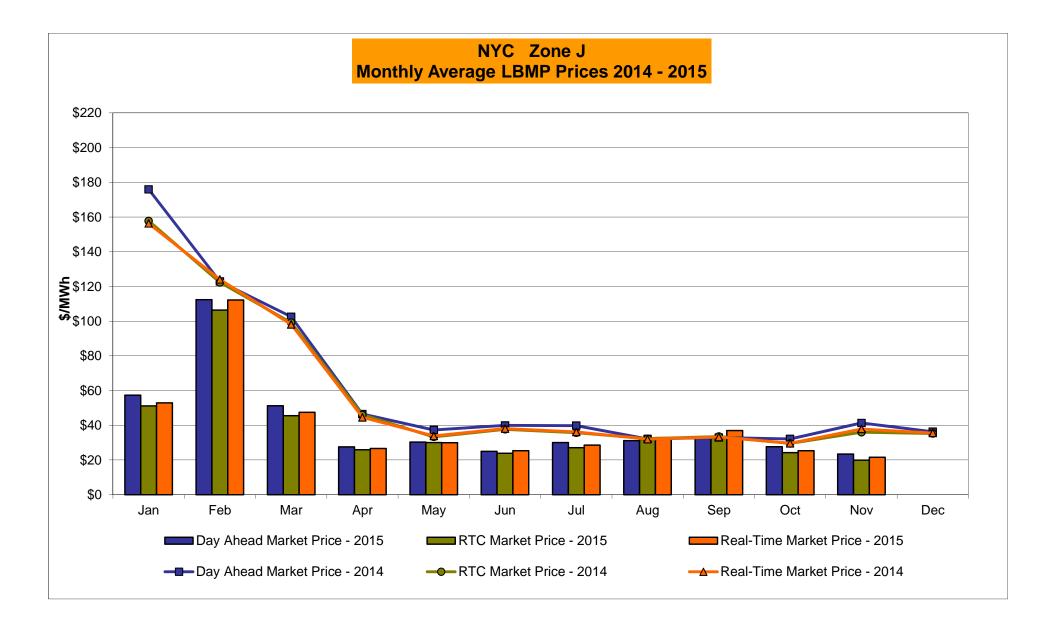
* Straight LBMP averages

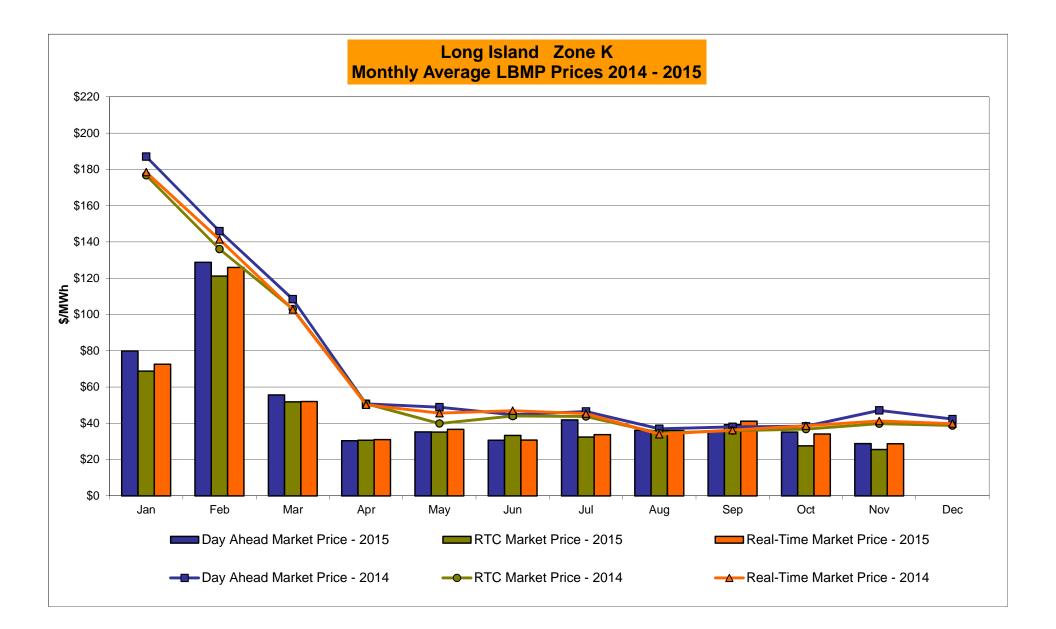


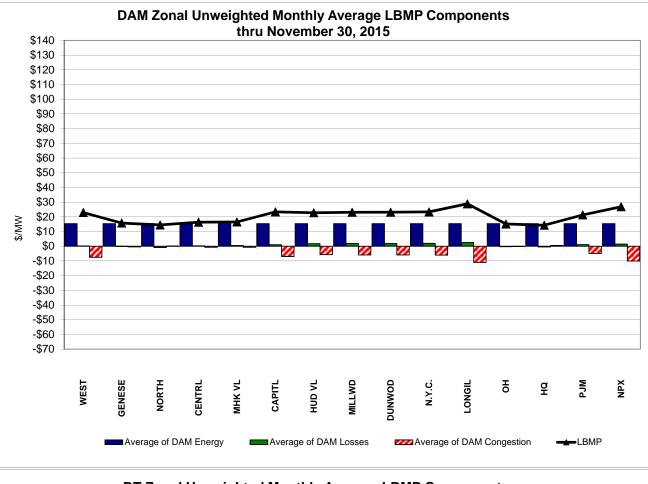


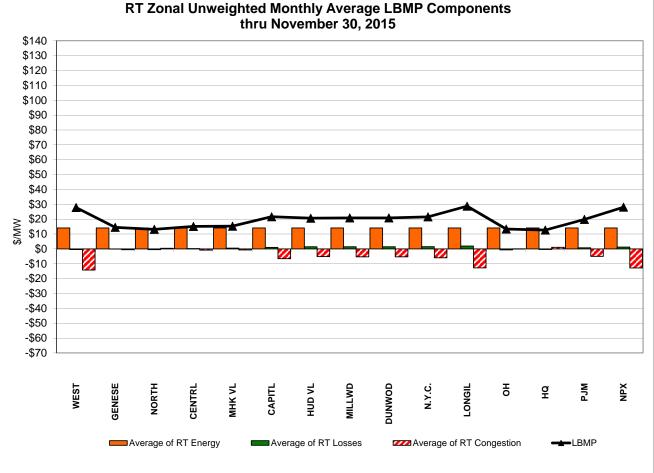


Market Mitigation and Analysis Prepared:12/2/2015 8:57 AM



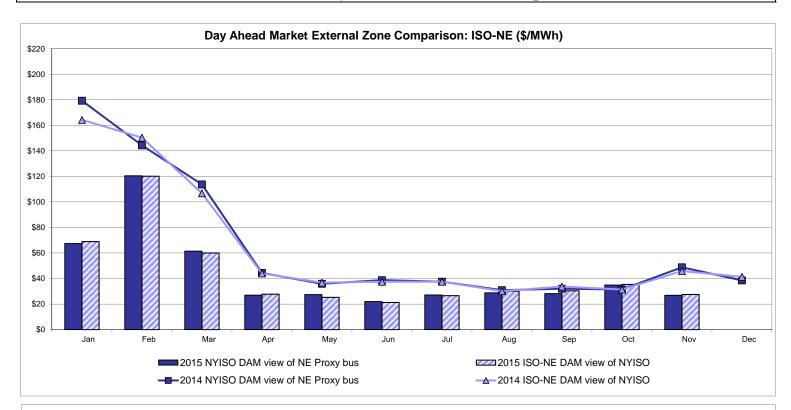


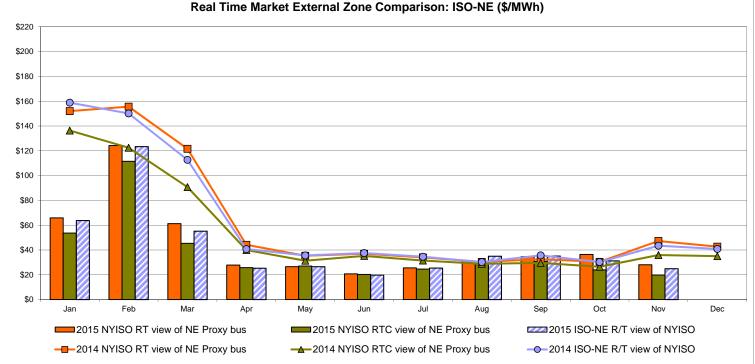


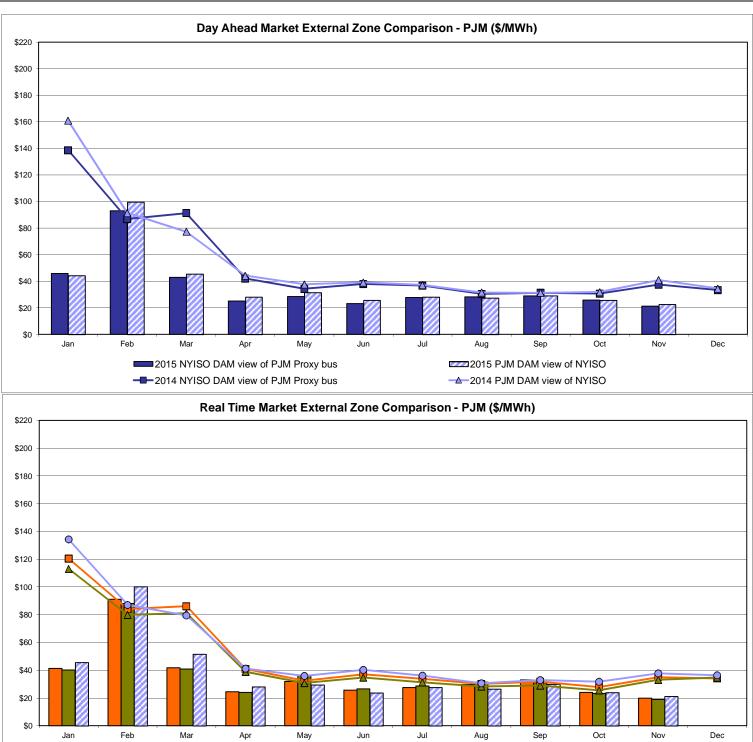


Market Mitigation and Analysis Prepared:12/2/2015 8:27 AM

External Comparison ISO-New England







External Comparison PJM

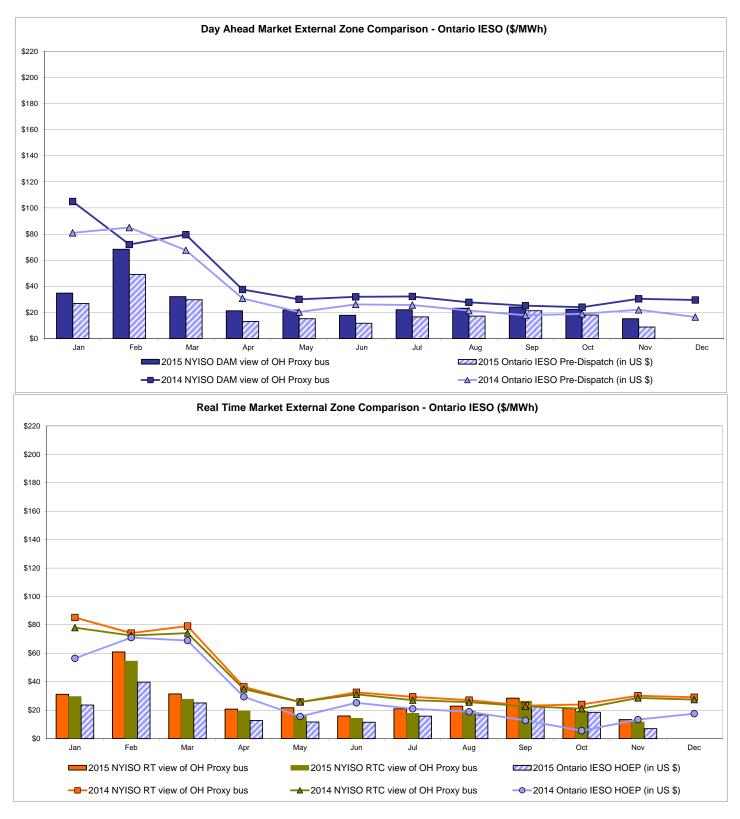
2015 NYISO RT view of PJM Proxy bus

2015 NYISO RTC view of PJM Proxy bus

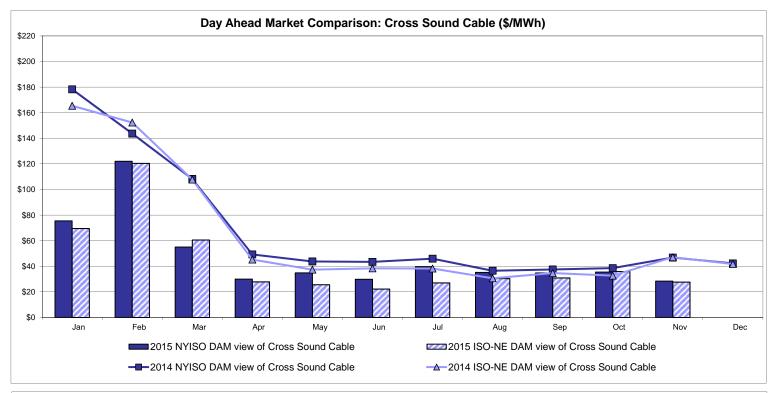
2014 NYISO RTC view of PJM Proxy bus

2015 PJM R/T view of NYISO

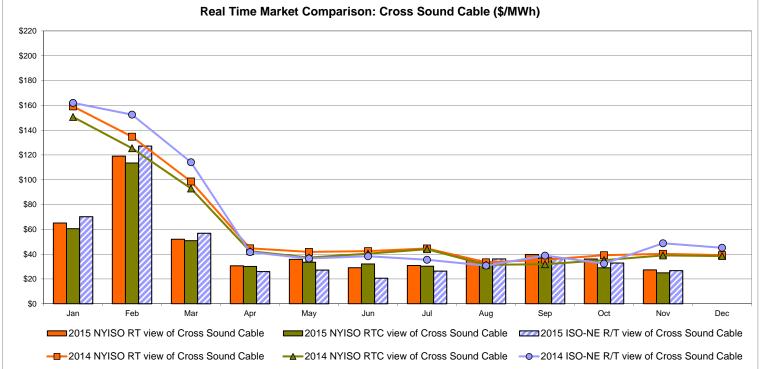
External Comparison Ontario IESO



Notes: Exchange factor used for November 2015 was 0.7532 to US HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price



External Controllable Line: Cross Sound Cable (New England)

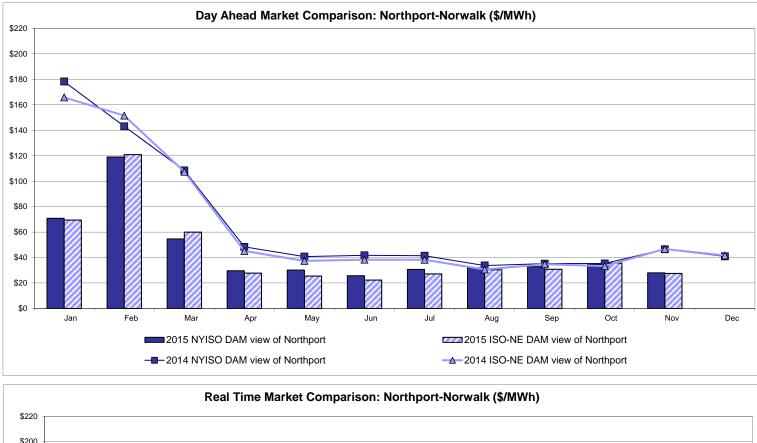


Note:

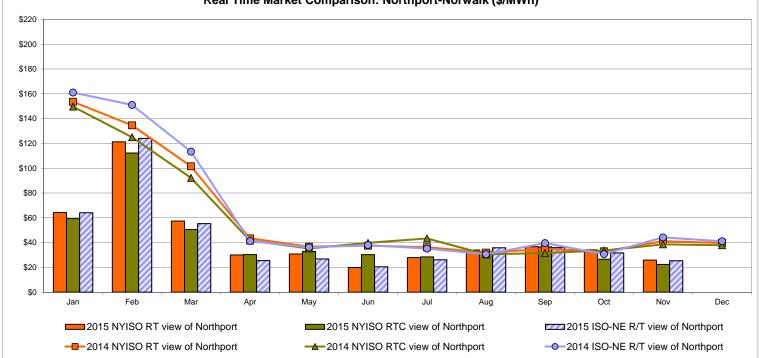
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

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



External Controllable Line: Northport - Norwalk (New England)

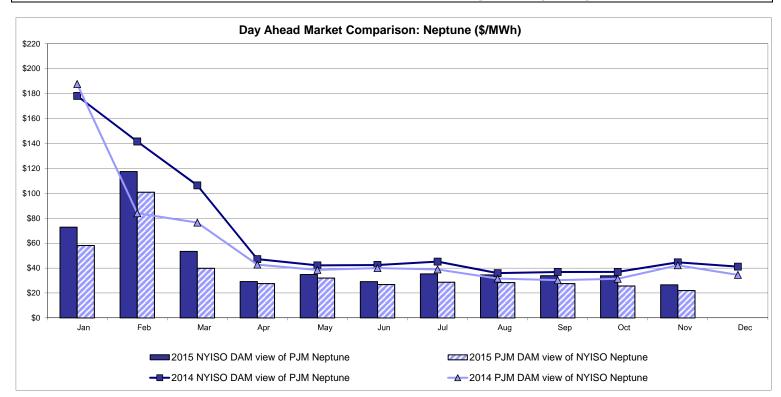


Note:

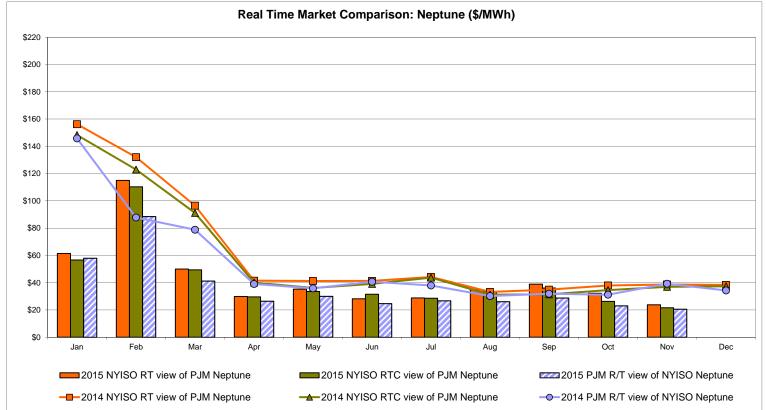
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

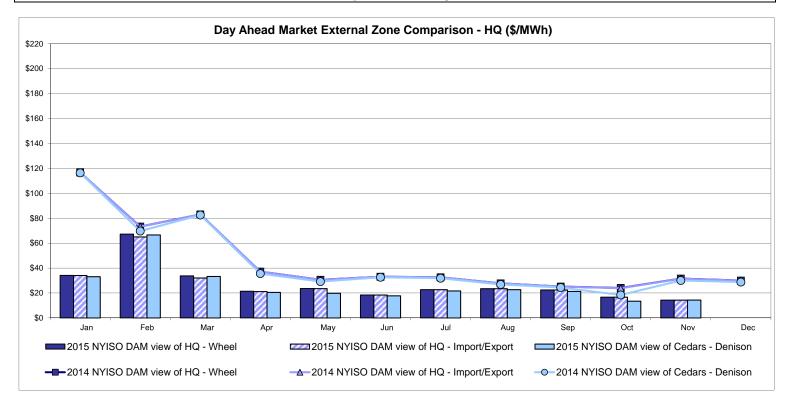
The DAM and R/T prices at the 1385 interface are used for NYISO.

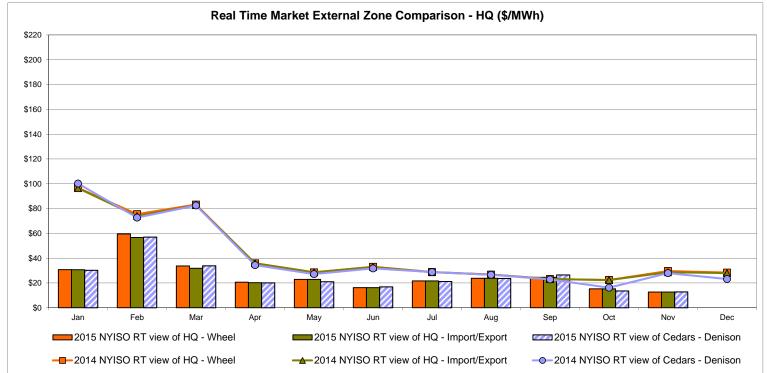


External Controllable Line: Neptune (PJM)



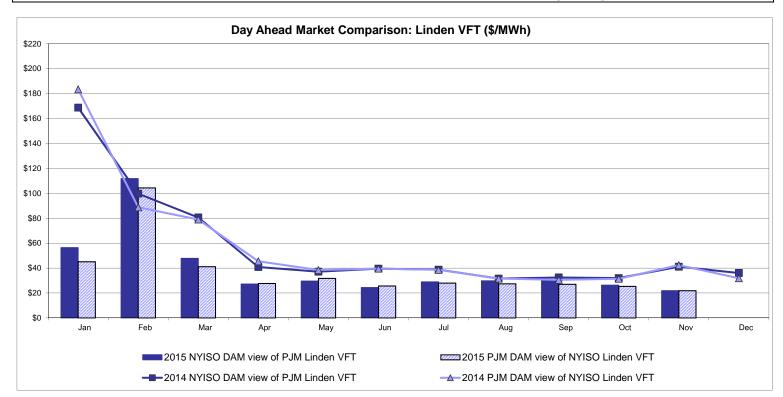
External Comparison Hydro-Quebec



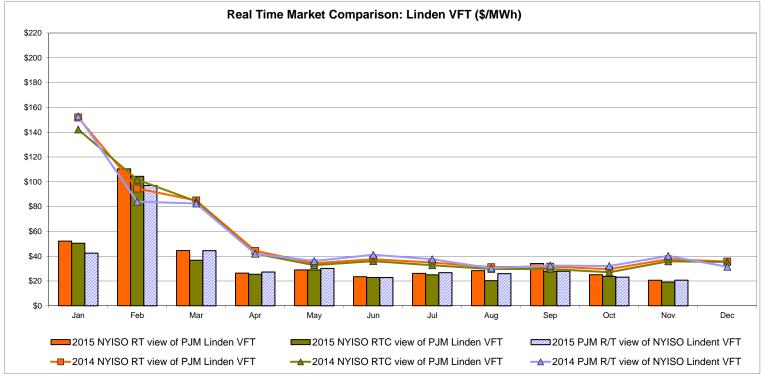


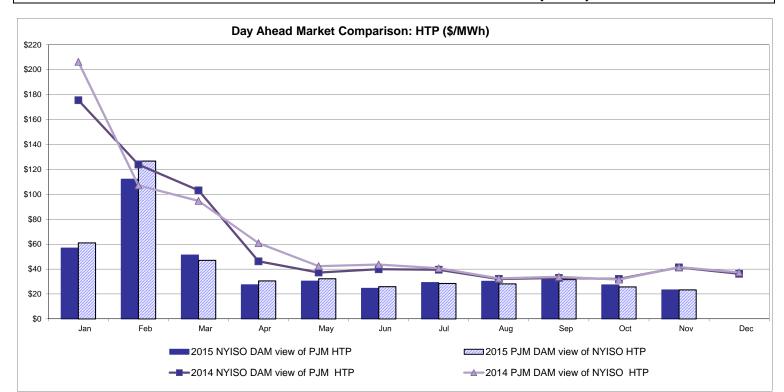
Note:

Hydro-Quebec Prices are unavailable.

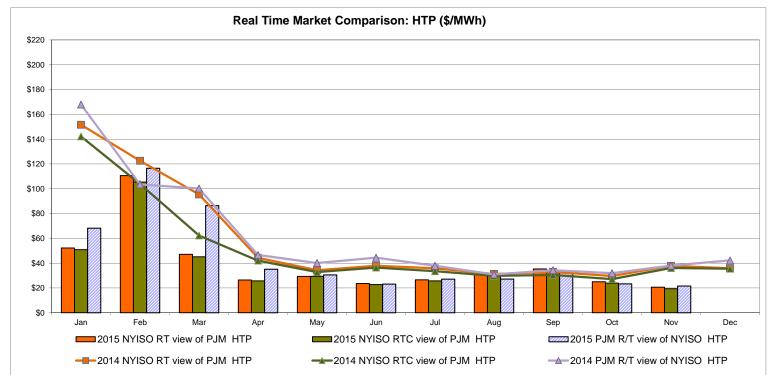


External Controllable Line: Linden VFT (PJM)





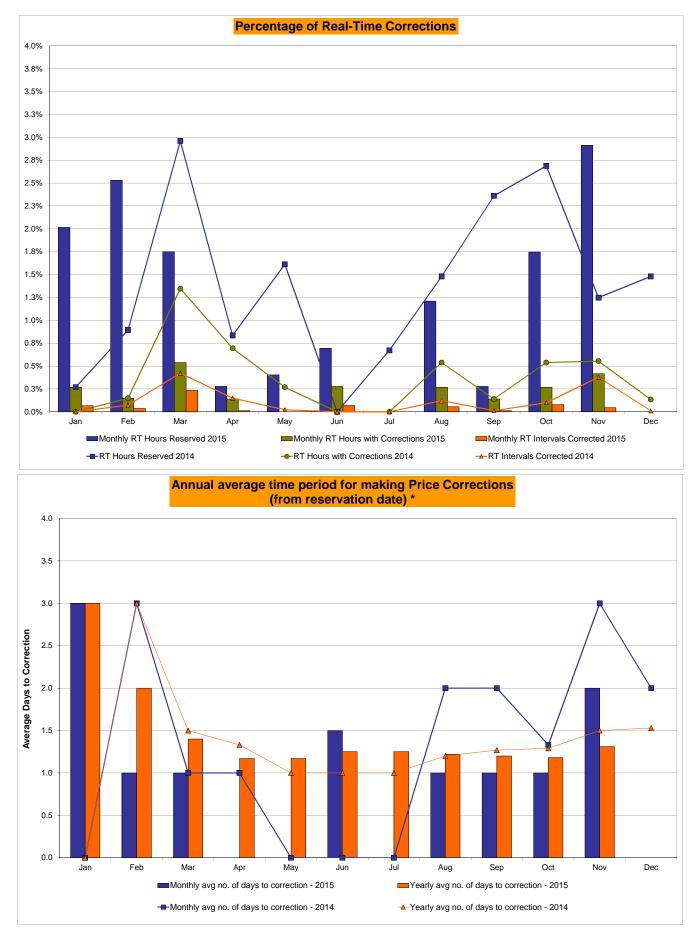
External Controllable Line: Hudson (PJM)



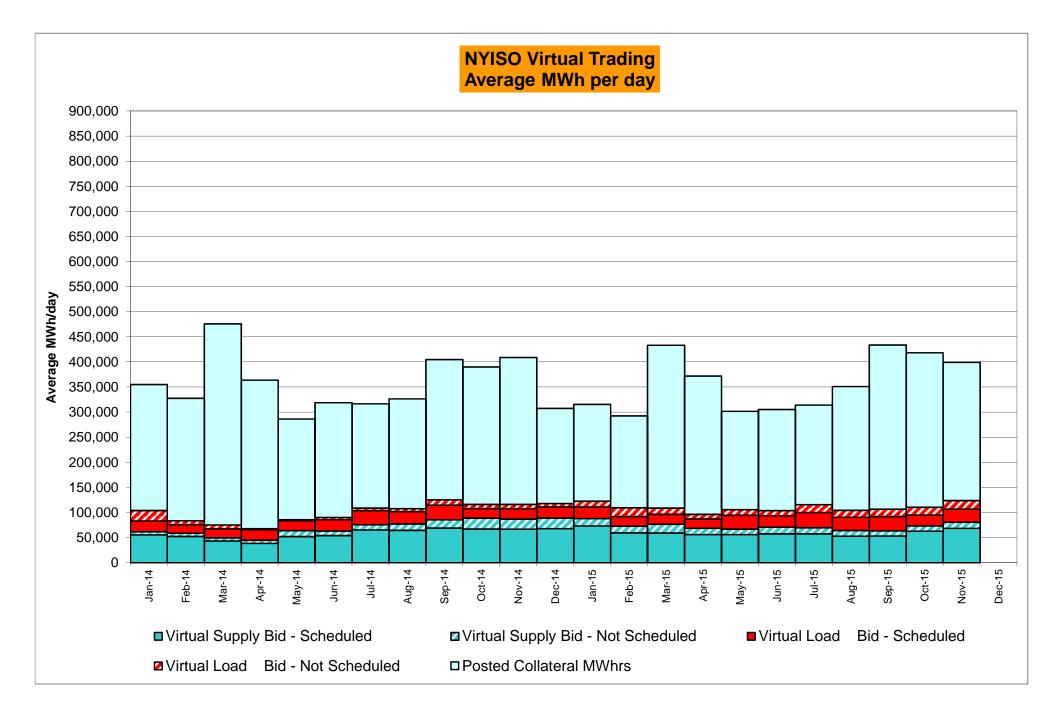
NYISO Real Time Price Correction Statistics

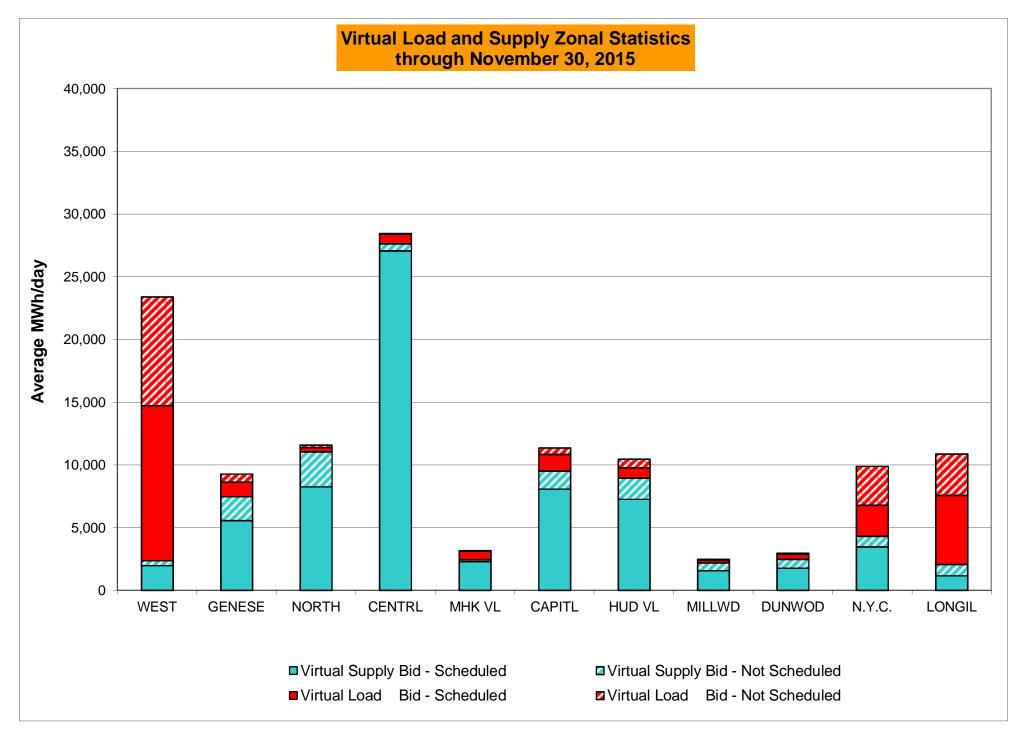
0015			F abricani	Manah	A	Maria	lune e	le de c	. .	0	Ostabas		
2015 Hour Corrections		<u>January</u>	February	March	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Number of hours with corrections	in the month	2	1	4	1	0	2	0	2	1	2	3	
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744	721	
% 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%	0.42%	
% of hours with corrections	vear-to-date	0.27%	0.21%	0.32%	0.28%	0.22%	0.23%	0.20%	0.21%	0.20%	0.21%	0.22%	
Interval Corrections	year to date	0.2770	0.2170	0.0270	0.2070	0.2270	0.2070	0.2070	0.2170	0.2070	0.2170	0.2270	
Number of intervals corrected	in the month	6	3	21	1	0	6	0	5	1	7	4	
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	8,743	
% 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%	0.05%	
% of intervals corrected	vear-to-date	0.07%	0.05%	0.11%	0.09%	0.07%	0.07%	0.06%	0.06%	0.05%	0.06%	0.06%	
Hours Reserved)												
Number of hours reserved	in the month	15	17	13	2	3	5	0	9	2	13	21	
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744	721	
% 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%	2.91%	
% 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%	1.25%	
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	2.00	
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	1.31	
Days Without Corrections													_
Days without corrections	in the month	30	27	28	29	31	28	31	30	29	30	28	
Days without corrections	year-to-date	30	57	85	114	145	173	204	234	263	293	321	
2014		January	February	March	April	May	June	July	August	September	October	November	December
2014 Hour Corrections		January	February	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
Hour Corrections	in the month	<u> </u>	<u>February</u> 1	<u>March</u> 10		<u>May</u> 2	<u>June</u> 0	<u>July</u> 0	<u>August</u> 4	<u>September</u> 1	<u>October</u> 4	<u>November</u> 4	December 1
	in the month in the month	<u>January</u> 0 744	<i>,</i>	10	5			<u>_</u>				4	
Hour Corrections Number of hours with corrections		0	1			2	0	0	4	1	4		1
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	0 744 0.00%	1 672 0.15%	10 743 1.35%	5 720 0.69%	2 744 0.27%	0 720 0.00%	0 744 0.00%	4 744 0.54%	1 720 0.14%	4 744 0.54%	4 721 0.55%	1 744 0.13%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	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 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% <u>0.56%</u>	2 744 0.27% 0.50%	0 720 0.00% 0.41%	0 744 0.00% <u>0.35%</u>	4 744 0.54% 0.38%	1 720 0.14%	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	in the month in the month	0 744 0.00% 0.00%	1 672 0.15% 0.07%	10 743 1.35% 0.51% 38	5 720 0.69% <u>0.56%</u> 13	2 744 0.27% 0.50%	0 720 0.00% 0.41%	0 744 0.00% <u>0.35%</u> 0	4 744 0.54% 0.38%	1 720 0.14% 0.35% 1	4 744 0.54% 0.37% 9	4 721 0.55% 0.39% 33	1 744 0.13% <u>0.37%</u> 1
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% <u>0.56%</u>	2 744 0.27% 0.50%	0 720 0.00% 0.41%	0 744 0.00% <u>0.35%</u>	4 744 0.54% 0.38%	1 720 0.14% 0.35%	4 744 0.54% 0.37%	4 721 0.55% 0.39%	1 744 0.13% 0.37%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected	in the month in the month year-to-date in the month in the month in the month	0 744 0.00% 0.00% 0 9,232 0.00%	1 672 0.15% 0.07% 6 8,205 0.07%	10 743 1.35% 0.51% 38 9,023 0.42%	5 720 0.69% 0.56% 13 8,720 0.15%	2 744 0.27% 0.50% 2 9,030 0.02%	0 720 0.00% 0.41% 0 8,729 0.00%	0 744 0.00% 0.35% 0 8,999 0.00%	4 744 0.54% 0.38% 11 8,975 0.12%	1 720 0.14% 0.35% 1 8,779 0.01%	4 744 0.54% 0.37% 9 9,026 0.10%	4 721 0.55% 0.39% 33 8,763 0.38%	1 744 0.13% <u>0.37%</u> 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	in the month in the month year-to-date in the month in the month	0 744 0.00% 0.00% 0 9,232	1 672 0.15% 0.07% 6 8,205	10 743 1.35% 0.51% 38 9,023	5 720 0.69% 0.56% 13 8,720	2 744 0.27% 0.50% 2 9,030	0 720 0.00% 0.41% 0 8,729	0 744 0.00% 0.35% 0 8,999	4 744 0.54% 0.38% 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% <u>0.37%</u> 1 9,030
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected	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% <u>0.37%</u> 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 year-to-date	0 744 0.00% 0.00% 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% <u>0.37%</u> 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 corrected % of intervals corrected Mumber of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month	0 744 0.00% 0.00% 9,232 0.00% 0.00% 2	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9	1 744 0.13% <u>0.37%</u> 1 9,030 0.01% <u>0.11%</u> 11
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours % of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month in the month	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 6 672 0.89%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96%	5 720 0.69% 0.56% 13 8,720 0.15% 0.15% 0.16% 6 720 0.83%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved Number of hours reserved Number of hours	in the month in the month year-to-date in the month in the month year-to-date in the month in the month	0 744 0.00% 0.00% 9,232 0.00% 0.00% 2 744	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 6 672	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743	5 720 0.69% 0.56% 13 8,720 0.15% 0.16% 6 720	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% 0 720	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720	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% 9 721	1 744 0.13% <u>0.37%</u> 1 9,030 0.01% <u>0.11%</u> 11 744
Hour Corrections Number of hours with corrections % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals corrected % of hours reserved Number of hours % of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month year-to-date	0 744 0.00% 0.00% 9,232 0.00% 0.00% 0.00% 2 744 0.27% 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 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% 0.15% 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 with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals corrected % of intervals corrected % of intervals corrected % of intervals corrected % of intervals corrected Mumber of hours reserved Number of hours reserved % of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month year-to-date in the month	0 744 0.00% 0.00% 0 9,232 0.00% 0.00% 2 744 0.27%	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 6 672 0.89%	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96%	5 720 0.69% 0.56% 13 8,720 0.15% 0.15% 0.16% 6 720 0.83%	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61%	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00%	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67%	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48%	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36%	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69%	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25%	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38% 2.00
Hour Corrections Number of hours with corrections Number of hours with corrections % of hours with corrections Mumber of intervals corrected Number of intervals corrected % of intervals corrected Number of hours reserved Number of hours reserved % of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month year-to-date	0 744 0.00% 0.00% 9,232 0.00% 0.00% 2 744 0.27% 0.27% 0.27% 0.00	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 672 0.89% 0.56% 3.00	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39% 1.00	5 720 0.69% 0.56% 13 8,720 0.15% 0.15% 0.16% 6 720 0.83% 1.25% 1.00	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32% 0.00	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00% 1.11% 0.00	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04% 0.00	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10% 2.00	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24% 2.00	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38% 1.33	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37% 3.00	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 with corrections % of hours with corrections Mumber of intervals corrected Number of intervals corrected % of intervals corrected Mumber of hours reserved Number of hours % of hours reserved % of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month year-to-date in the month	0 744 0.00% 0.00% 9,232 0.00% 0.00% 2 744 0.27% 0.27% 0.27% 0.00	1 672 0.15% 0.07% 6 8,205 0.07% 0.03% 6 672 0.89% 0.56% 3.00	10 743 1.35% 0.51% 38 9,023 0.42% 0.17% 22 743 2.96% 1.39% 1.00	5 720 0.69% 0.56% 13 8,720 0.15% 0.15% 0.16% 6 720 0.83% 1.25% 1.00	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32% 0.00	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00% 1.11% 0.00	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04% 0.00	4 744 0.54% 0.38% 11 8,975 0.12% 0.10% 11 744 1.48% 1.10% 2.00	1 720 0.14% 0.35% 1 8,779 0.01% 0.09% 17 720 2.36% 1.24% 2.00	4 744 0.54% 0.37% 9 9,026 0.10% 0.09% 20 744 2.69% 1.38% 1.33	4 721 0.55% 0.39% 33 8,763 0.38% 0.12% 9 721 1.25% 1.37% 3.00	1 744 0.13% 0.37% 1 9,030 0.01% 0.11% 11 744 1.48% 1.38% 2.00
Hour Corrections Number of hours with corrections Number of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals corrected % of intervals corrected Number of hours reserved Number of hours reserved % of hours reserved % of hours reserved % of hours reserved Avg. number of days to correction Avg. number of days to correction Avg. Number of days to correction	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month year-to-date in the month year-to-date	0 744 0.00% 0.00% 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 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% 1.00 1.50	5 720 0.69% 0.56% 13 8,720 0.15% 0.15% 0.16% 6 720 0.83% 1.25% 1.00 1.33	2 744 0.27% 0.50% 2 9,030 0.02% 0.13% 12 744 1.61% 1.32% 0.00 1.00	0 720 0.00% 0.41% 0 8,729 0.00% 0.11% 0 720 0.00% 1.11% 0.00 1.00	0 744 0.00% 0.35% 0 8,999 0.00% 0.10% 5 744 0.67% 1.04% 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% 1.33 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

* Calendar days from reservation date.



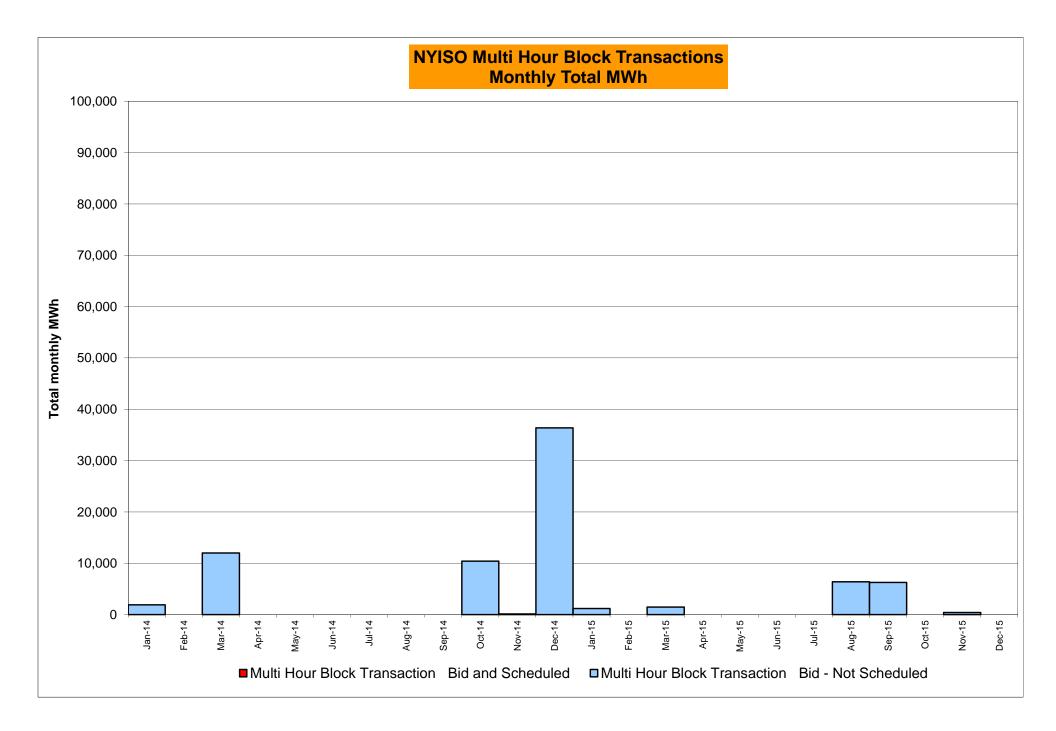
* Calendar days from reservation date.

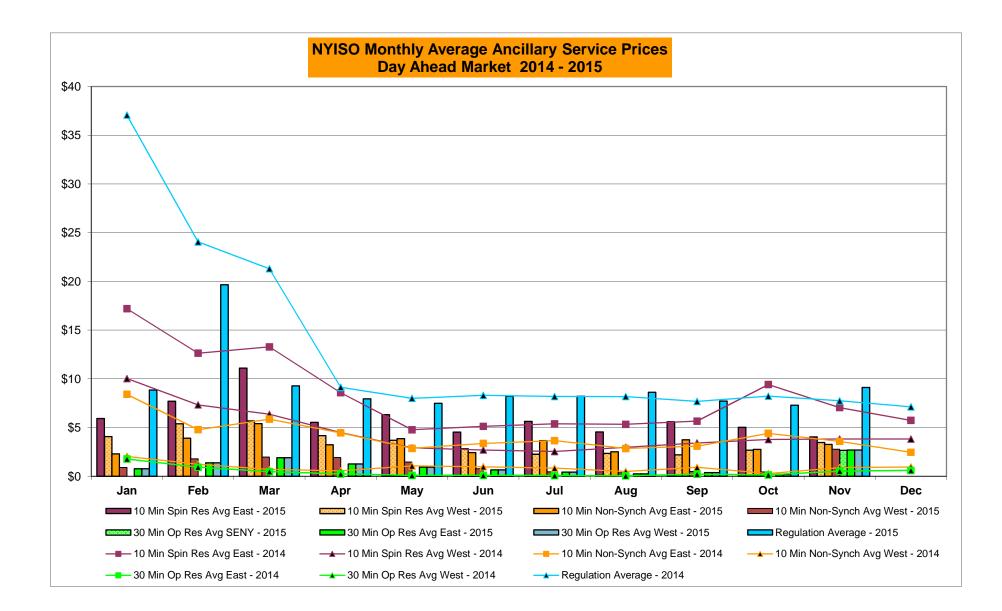


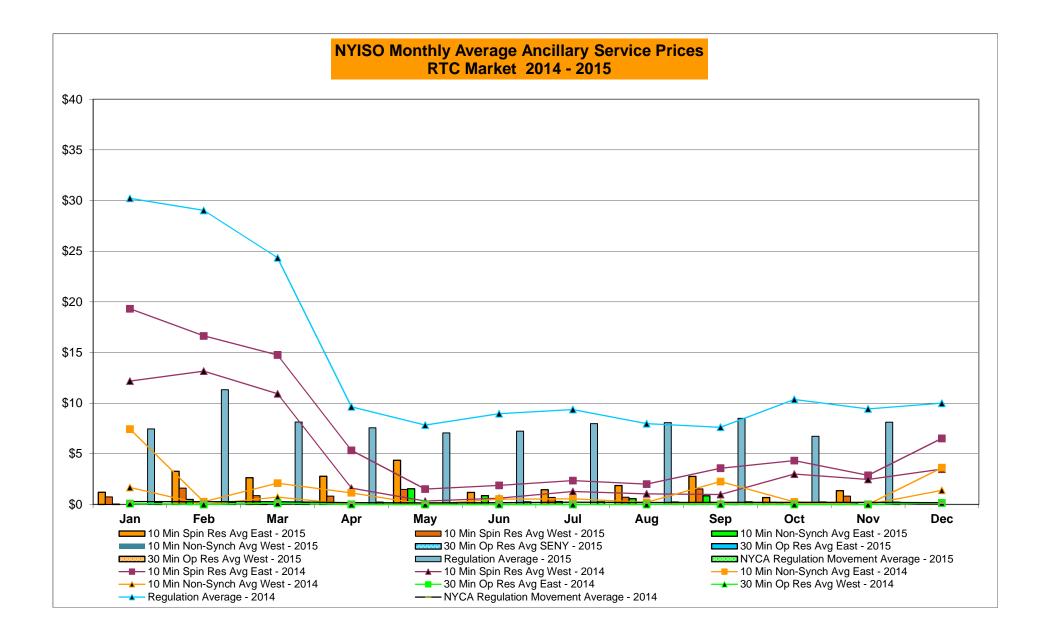


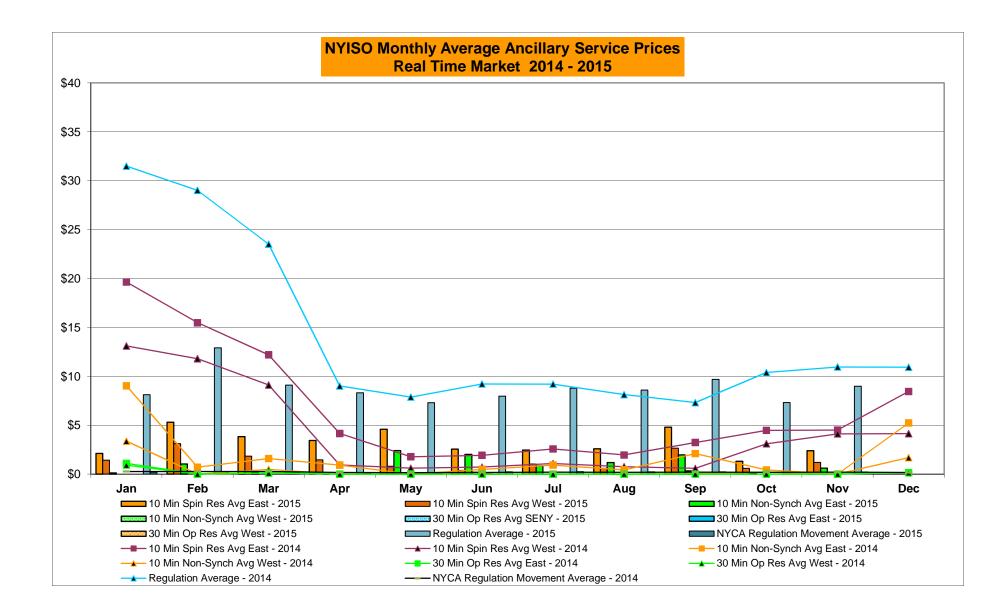
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2015

		Virtual L	ood Bid	Virtual Su	upply Bid			Virtual L	ood Bid	Virtual S	upply Bid			Virtual L	ood Bid	Virtual Su	upply Rid
	1	Virtual L		virtual St			1	Virtual L		virtual S				Virtual L		virtual St	
Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled
NEST	Jan-15		977	3,837	688	MHK VL	Jan-15	534				DUNWOD	Jan-15		444		
	Feb-15		1,570	3,288	936		Feb-15	901	790			Donnob	Feb-15		663		
	Mar-15		1,992	3,185	1,223		Mar-15	626	458				Mar-15		566		
	Apr-15	,	1,797	1,790	419		Apr-15	293	226				Apr-15		299		
	May-15		3,320	1,381	465		May-15	248	102				May-15		308		
	Jun-15		3,156	1,800	584		Jun-15	151	24				Jun-15		434		46
	Jul-15	9,099	5,102	2,521	434		Jul-15	632	70	2,726	521		Jul-15		375	1,220	42
	Aug-15	9,631	5,063	1,898	560		Aug-15	251	50	2,250	427		Aug-15	755	170	1,531	29
	Sep-15		4,543	1,494	278		Sep-15	568	53				Sep-15		333		
	Oct-15	8,340	5,231	1,587	248		Oct-15	200	59	2,878	154		Oct-15		78		
	Nov-15	12,366	8,647	1,983	385		Nov-15	691	7	2,292	153		Nov-15	397	100	1,791	69
	Dec-15						Dec-15						Dec-15				
GENESE	Jan-15	444	147	9,467	1,422	CAPITL	Jan-15	1,816	1,292	9,400	1,563	N.Y.C.	Jan-15	3,367	1,572	887	2,429
	Feb-15	229	347	7,477	1,425		Feb-15	3,192	3,267	6,354	2,035		Feb-15	2,944	2,375	658	69
	Mar-15	452	350	7,559	2,735		Mar-15	2,234	2,029	6,772	2,411		Mar-15	2,687	1,133	894	1,593
	Apr-15		254	4,771	1,991		Apr-15	1,558	991	7,368	2,215		Apr-15	2,470	377	808	500
	May-15	349	167	4,831	1,643		May-15	1,518	201	7,032	1,751		May-15	5,397	1,487	918	367
	Jun-15		229	4,911	2,115		Jun-15	563	230	8,840	2,709		Jun-15		1,091	864	494
	Jul-15	820	256	5,043	1,871		Jul-15	1,268	320	8,358	2,958		Jul-15	7,008	2,468	1,081	174
	Aug-15	264	123	4,307	1,740		Aug-15	1,002	271	6,591			Aug-15	6,991	2,435		252
	Sep-15	419	162	4,275	1,182		Sep-15	809	212	5,319	2,181		Sep-15	7,568	3,565	1,344	472
	Oct-15	426	638	5,073	1,008		Oct-15	1,153	197	6,748	1,299		Oct-15	3,793	3,093	1,991	880
	Nov-15	1,161	658	5,576	1,889		Nov-15	1,327	496	8,068	1,442		Nov-15	2,474	3,116	3,471	840
	Dec-15						Dec-15						Dec-15				
NORTH	Jan-15	537	300	7,590	2,868	HUD VL	Jan-15	1,006	1,747	4,703	2,133	LONGIL	Jan-15	5,510	3,925	547	1,487
	Feb-15		423	7,361	1,898		Feb-15	769	2,147	2,841			Feb-15	,	3,985		
	Mar-15		572		2,540		Mar-15	747	1,578	,	,		Mar-15		2,844		
	Apr-15		366		3,243		Apr-15	1,180	1,056				Apr-15		3,064		
	May-15		255	7,237	3,146		May-15	1,267	1,372	5,580			May-15	,	3,728		
	Jun-15		196		2,977		Jun-15	825	914	5,600			Jun-15		3,918		
	Jul-15		291	6,047	2,798		Jul-15	1,700	1,241	4,983			Jul-15		5,340		
	Aug-15	299	288	5,619	2,871		Aug-15	1,195	1,663	5,086	863		Aug-15	4,341	3,681	1,086	1,236
	Sep-15		249	6,481	2,280		Sep-15	1,244	1,629	5,648	1,236		Sep-15	5,628	3,802	860	842
	Oct-15	590	475	6,355	2,830		Oct-15	736	1,241	6,738	1,726		Oct-15	4,874	4,563	1,234	795
	Nov-15	314	212	8,250	2,803		Nov-15	819	701	7,267	1,698		Nov-15	5,518	3,280	1,165	908
	Dec-15						Dec-15						Dec-15				
CENTRL	Jan-15	2,414	939	33,426	776	MILLWD	Jan-15	418	244	716	192	NYISO	Jan-15	22,958	11,774	73,161	14,746
	Feb-15	2,306	1,265	28,050	579		Feb-15	562	674	627			Feb-15	19,386	17,506	59,440	13,238
	Mar-15	1,168	538	24,644	587		Mar-15	377	389	947	287		Mar-15	19,769	12,449	59,066	17,619
	Apr-15	927	311	20,024	588		Apr-15	174	239	979	298		Apr-15	18,550	8,979	56,234	12,458
	May-15	908	249	24,901	400		May-15	497	126				May-15	27,711	11,315	56,132	10,736
	Jun-15	1,104	194	24,287	791		Jun-15	588	24	790	277		Jun-15	22,528	10,411	57,608	13,186
	Jul-15		358		636		Jul-15	866	45				Jul-15		15,865		
	Aug-15		105		222		Aug-15	542	48				Aug-15	26,248	13,898		
	Sep-15	1,206	240	20,987	217		Sep-15	509	34	1,380	415		Sep-15	28,471	14,820	53,355	10,01
	Oct-15		129		155		Oct-15	251	14				Oct-15		15,719		
	Nov-15		52	27,075	561		Nov-15	183	88	1,573	625		Nov-15		17,355	68,511	11,995
	Dec-15						Dec-15						Dec-15				

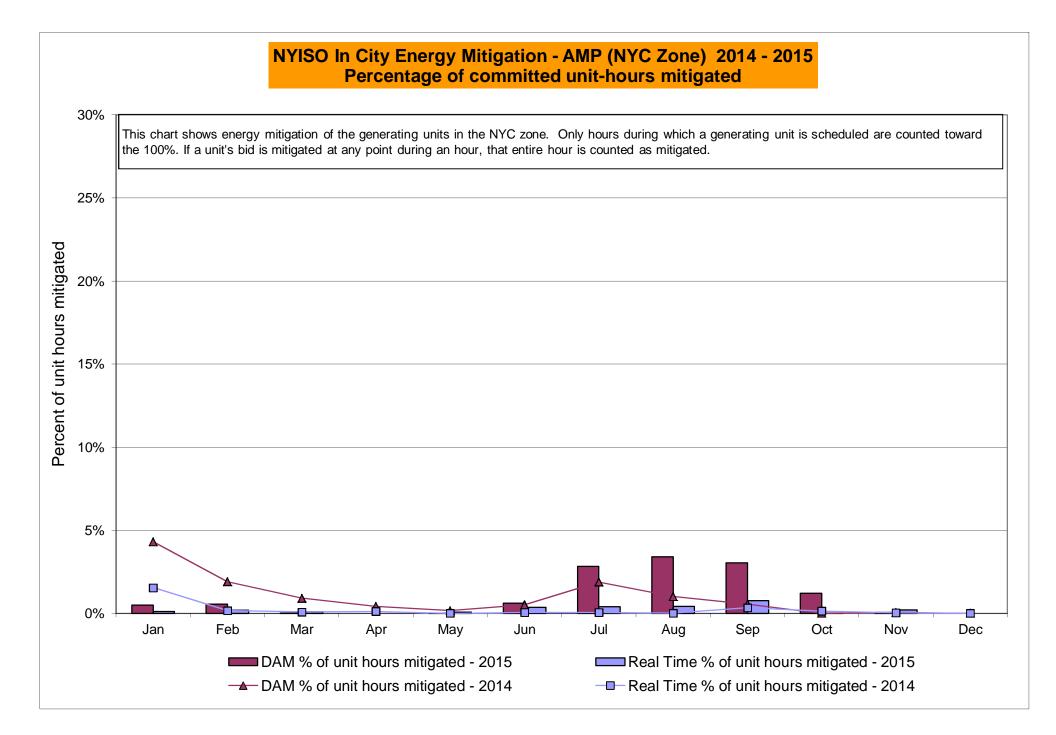


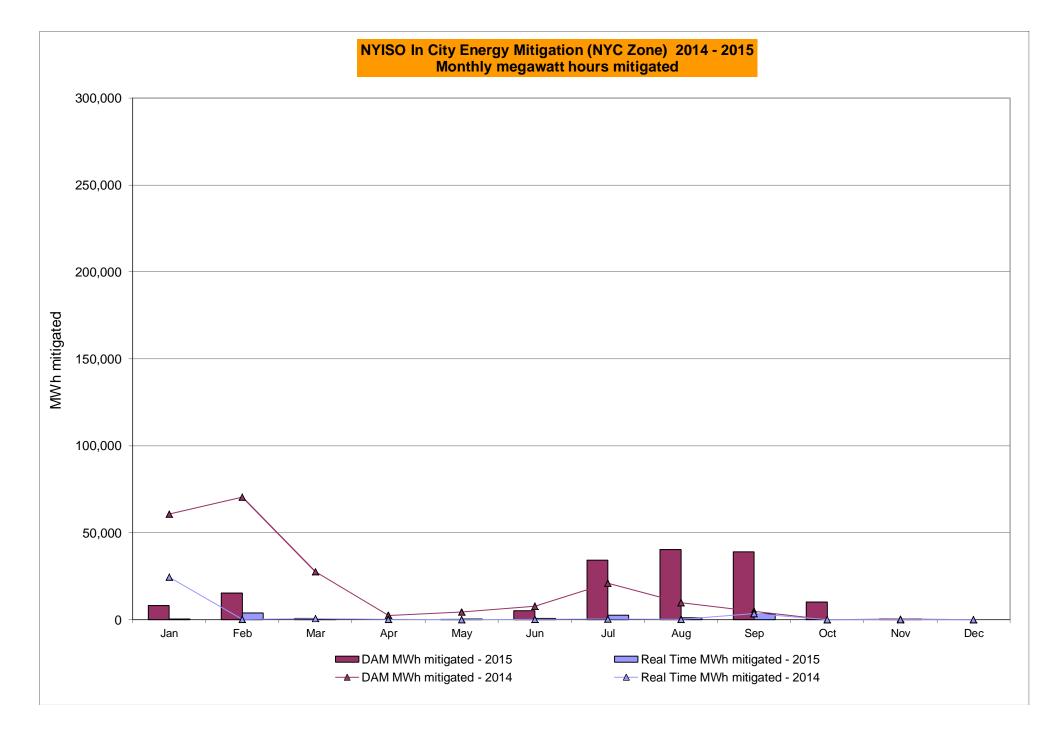


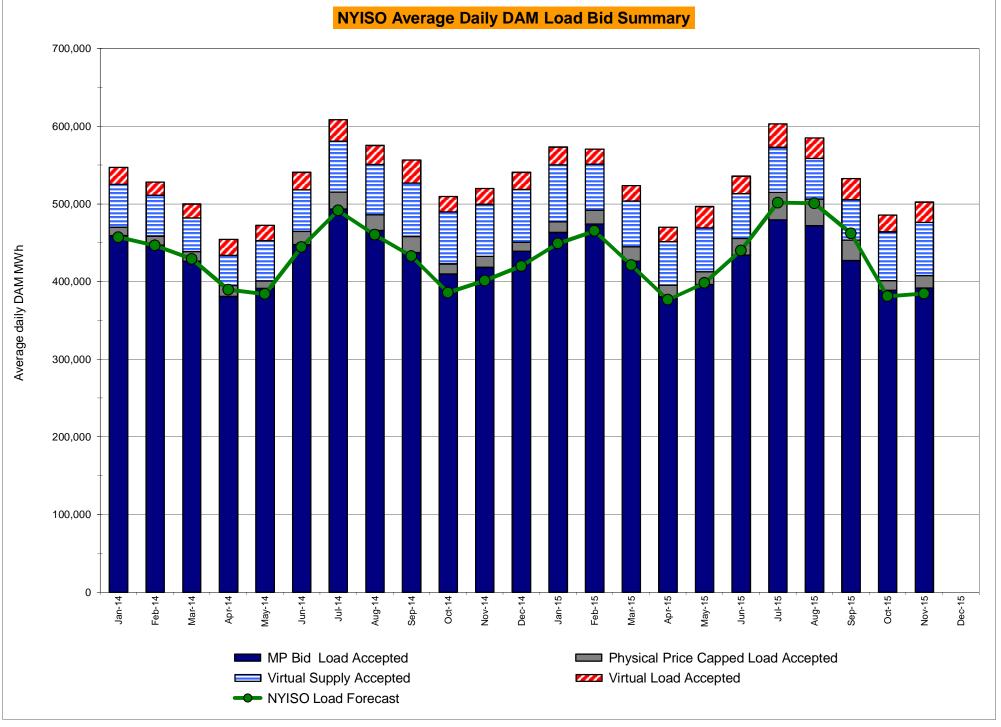




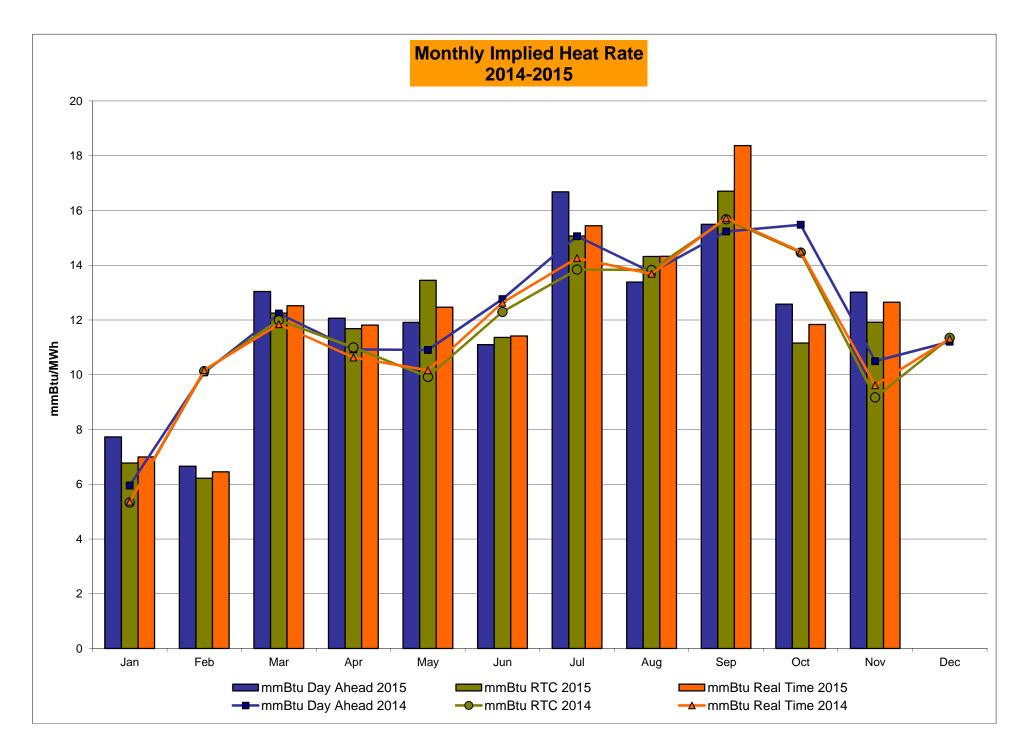
	1	NYISO Mark	ets Ancillar	y Services	Statistics	- Unweight	ed Price (\$	S/MWH)				
2015	January	February	March	April	May	June	July	August	September	October	November	December
Day Ahead Market	<u></u>						<u> </u>		<u> </u>			
10 Min Spin East	5.92	7.69	11.09	5.53	6.31	4.53	5.62	4.54	5.60	5.02	4.03	
10 Min Spin West	4.07	5.40	5.68	4.16	3.69	2.84	2.26	2.36	2.20	2.68	3.47	
10 Min Non Synch East	2.30	3.89	5.40	3.22	3.84	2.42	3.66	2.51	3.74	2.75	3.27	
10 Min Non Synch West	0.90	1.79	1.97	1.91	1.45	0.77	0.45	0.36	0.49	0.45	2.77	
30 Min SENY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.65	
30 Min East	0.77	1.38	1.91	1.26	0.93	0.64	0.43	0.24	0.37	0.18	2.69	
30 Min West	0.77	1.38	1.91	1.26	0.93	0.64	0.43	0.24	0.37	0.18	2.69	
Regulation	8.84	19.65	9.27	7.94	7.48	8.20	8.20	8.61	7.71	7.29	9.10	
RTC Market												
10 Min Spin East	1.20	3.27	2.64	2.77	4.36	1.18	1.44	1.86	2.76	0.67	1.35	
10 Min Spin West	0.74	1.61	0.86	0.81	1.48	0.04	0.69	0.70	1.53	0.20	0.81	
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	0.16	
10 Min Non Synch West	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	
30 Min SENY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30 Min East	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	
30 Min West	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	
Regulation	7.45	11.32	8.13	7.56	7.06	7.24	7.97	8.07	8.49	6.73	8.12	
NYCA Regulation Movement	0.21	0.21	0.16	0.22	0.16	0.24	0.25	0.23	0.24	0.23	0.22	
Real Time Market												
10 Min Spin East	2.12	5.31	3.84	3.44	4.59	2.56	2.47	2.59	4.79	1.32	2.40	
10 Min Spin West	1.44	3.11	1.83	1.46	0.81	0.38	1.04	0.59	2.65	0.59	1.20	
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	0.61	
10 Min Non Synch West	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.02	0.33	0.00	0.00	
30 Min SENY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30 Min East	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	
30 Min West	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	
Regulation	8.12	12.91	9.11	8.32	7.30	7.97	8.80	8.60	9.69	7.32	8.98	
NYCA Regulation Movement	0.20	0.21	0.17	0.15	0.16	0.24	0.24	0.24	0.24	0.23	0.22	
<u>2014</u>	January	Fobruary	March	April	Mov	luno	hub.	August	Sontombor	Octobor	November	December
Day Ahead Market	January	<u>February</u>	<u>Iviai cri</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	December
10 Min Spin East	17.19	12.62	13.27	8.57	4.77	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	2.86	3.37	3.65	2.30	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	0.43	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
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
RTC Market												
	10.22	16.64	14.76	5.34	1 50	1 07	2.25	2.00	3.57	4.32	2.86	6 51
10 Min Spin East	19.32		14.76		1.52	1.87	2.35	2.00				6.51
10 Min Spin West	12.18	13.16	10.93	1.61	0.33	0.61	1.27		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 0.00	2.25	0.25	0.00	3.62
10 Min Non Synch West 30 Min East	1.68 0.08	0.00 0.00	0.72 0.12	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00	0.17 0.02	0.13 0.00	0.00 0.00	1.39 0.15
	0.08				0.00							0.15
30 Min West		0.00	0.12	0.00		0.00	0.00	0.00	0.02	0.00	0.00	0.15 9.99
Regulation NYCA Regulation Movement	30.21 0.28	29.03 0.27	24.35 0.26	9.64 0.17	7.83 0.15	8.95 0.17	9.36 0.21	7.97 0.18	7.62 0.21	10.36 0.20	9.42 0.20	0.17
-	0.20	0.27	0.20	0	0.10	0	0.2.1	0.110	0.2.1	0.20	0.20	0
Real Time Market	10.04	45.40	10.10	4.45	4 70	1.00	0.57	1.00	2.02	4 47	4 5 4	0.45
10 Min Spin East 10 Min Spin West	19.64	15.48	12.19	4.15	1.78	1.92	2.57	1.96	3.23	4.47	4.51	8.45
	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
Regulation NYCA Regulation Movement	31.50	29.02	23.52	9.02	7.87	9.21	9.21	8.13	7.31	10.39	10.96	10.94
NTOA Regulation Novement	0.27	0.27	0.27	0.17	0.15	0.18	0.21	0.19	0.21	0.19	0.20	0.17



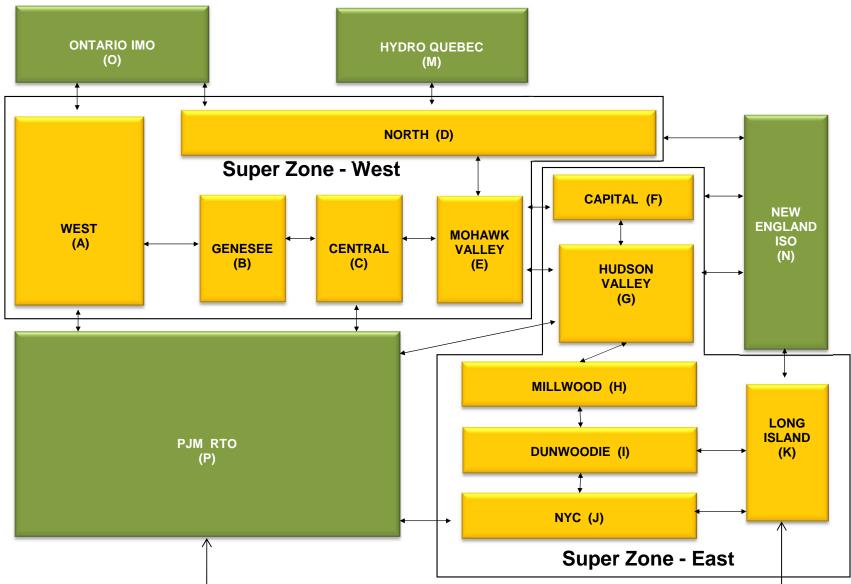




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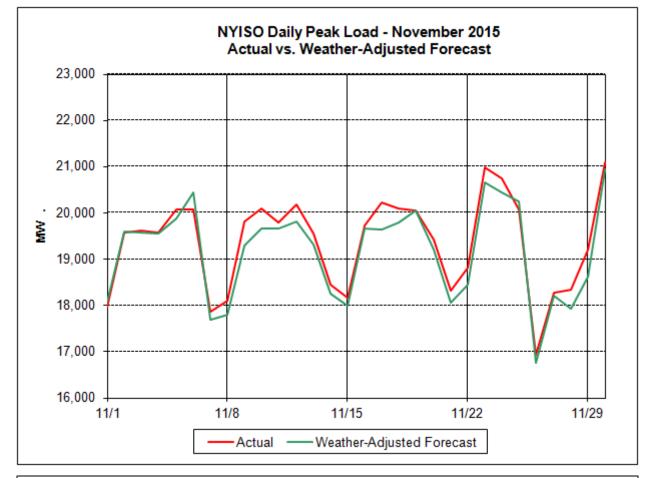
NYISO LBMP ZONES

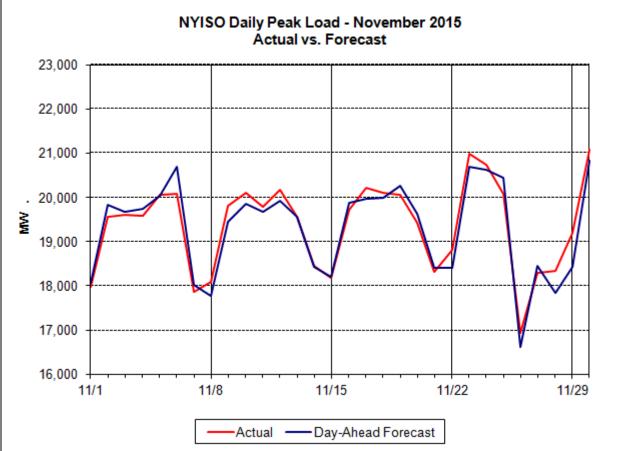


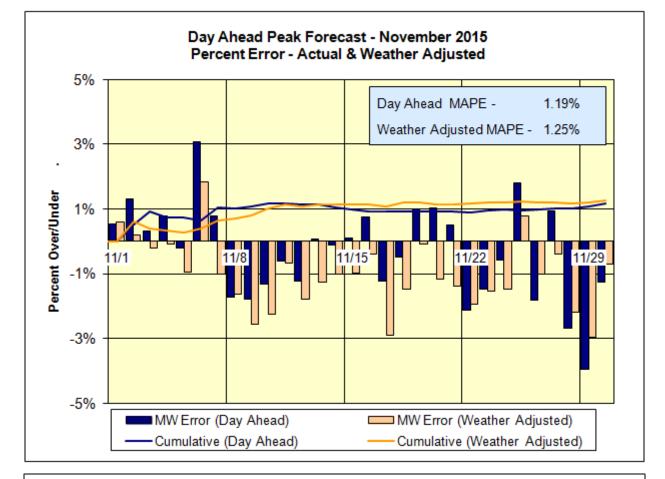
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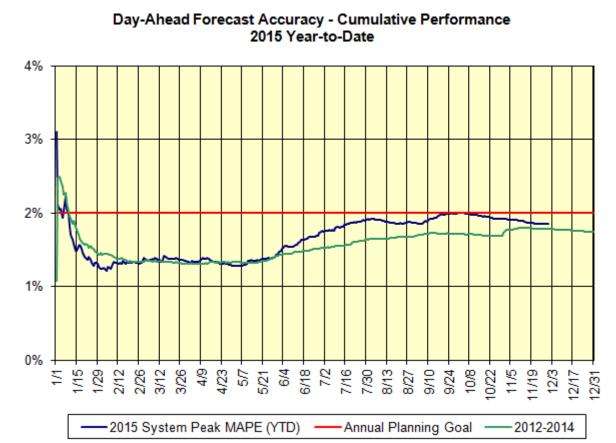
Billing Codes for Chart 4-C

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









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

Filing Date	Filing Summary	Docket	Order Date	Order Summary
02/21/2014	NYISO compliance filing re: an explanation of the specific scaling factor and its calculation used in the HTP project and tariff revisions of the methodology to be used in order to project the likely Energy and Ancillary Services revenues for merchant transmission lines in the future	EL12-98-001 EL12-98-002	11/19/2015	FERC order granted the HTP clarification request; denied the HTP rehearing request; accepted NYISO's compliance filing and directed NYISO to file, within 90 days (i.e., 02/17/2016), a further compliance filing to provide the conceptual basis and framework for a scaling factor that is broad enough to allow for the kinds of variations that exist with respect to UDR projects
08/26/2014	NYISO compliance filing re: demonstrating that the uniform regulation movement multiplier allows the market to provide appropriate incentives and supplier cost recovery and that current regulation service market mitigation measures are supportable and sufficiently robust to be considered permanent measures in this market	ER12-1653-005	11/19/2015	FERC order accepted the 08/26/2014 compliance filing
06/17/2015	NYISO compliance report re: analyses of the applicability of the buyer side mitigation rules to the rest of state and projects developed under repowering agreements	EL13-62-002	11/16/2015	FERC letter requesting additional information to be filed within 30 days (i.e., 12/16/2015) regarding certain aspects of the report
07/13/2015	NYISO and NYTOs joint compliance filing re: Order No. 1000 interregional transmission coordination and cost allocation requirements	ER13-1942-001 ER13-1946-001 ER13-1957-001	11/19/2015	FERC letter order accepted the compliance filing effective 01/01/2014, as requested
07/23/2015	NYISO compliance filing re: explanation of how the NYISO's Day-Ahead scheduling practices satisfy the timing requirements of Order 809 regarding the coordination of scheduling processes of interstate natural gas pipelines and public utilities	EL14-26-000	11/19/2015	FERC order accepted the compliance filing
09/10/2015	NYISO 205 filing re: tariff revisions to implement external coordinated transaction scheduling with ISO New England	ER15-2640-000	11/09/2015	FERC order accepted tariff revisions subject to a compliance filing at least 2 weeks prior to the proposed effective date specifying the date on which CTS will take effect
09/22/2015	Joint NYISO and National Grid filing of an amendment to the SGIA No. 2219 between NYISO, National Grid and Monroe County	ER15-2285-001	11/12/2015	FERC letter order accepted the 07/27/2015 filing, as amended on 09/22/2015, effective 07/13/2015, as requested

09/30/2015	NYISO compliance filing re: clarifying language to a sentence in the competitive entry exemption provisions under the buyer side capacity market power mitigation measures	ER15-1498-001	11/18/2015	FERC letter order accepted the compliance filing effective 02/26/2015, as requested
10/20/2015	NYISO compliance/errata filing re: notification of tariff section effective date and ministerial errata concerning comprehensive shortage pricing	ER15-1061-001	11/18/2015	FERC letter order accepted the errata filing and the notice of effective date (i.e., 11/04/2015), as requested
11/06/2015	NYISO filing of comments re: response to PSC report entitled "Comparative Evaluation of Alternating Current Transmission Upgrade Alternatives" and staff motion for PSC to declare a public policy need	PSC Case No. 12-T-0503, <i>et. al.</i>		
11/10/2015	NYISO filing re: document-less motion to intervene in the Huntley cost-of-service agreement proceeding	ER16-81-000		
11/10/2015	NYISO filing to the NYPSC re: petition for authority to incur indebtedness for a term in excess of 12 months	PSC Case No. 15-E-0655		
11/12/2015	NYISO confidential filing to the NYPSC re: three-month Reliability Commitment Data Report for the period ending 10/31/2015	PSC Matter No. 10-02007		
11/18/2015	NYISO 205 filing re: enhancements to the process for verifying Market Participant risk management policies	ER16-346-000		
11/25/2015	NYISO 205 filing re: revisions to authorize the NYISO to provide certain market participant information for the New York Generation Attribute Tracking System ("NYGATS") to NYSERDA	ER16-398-000		
11/30/2015	ISO/RTO Council filing of NOPR comments re: settlement intervals and shortage pricing in markets operated by RTOs/ISOs	RM15-24-000		
11/30/2015	NYISO filing of NOPR comments re: settlement intervals and shortage pricing in markets operated by RTOs/ISOs	RM15-24-000		
11/30/2015	NYISO 205 filing re: tariff amendments to implement improved scarcity pricing logic in the Real-Time Market	ER16-425-000		
11/30/2015	NYISO confidential filing to the NYPSC re: internal project tracking report dated October 2015	PSC Matter No. 10-02007		