

Monthly Report

November 2016

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Operations Performance Metrics Monthly Report



November 2016 Report

Operations & Reliability Department New York Independent System Operator



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November 2016 Operations Performance Highlights

- Peak load of 21,613 MW occurred on 11/21/2016 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 following table identifies the estimated production cost savings associated with the Broader Regional Market initiatives.

	Current Month Value (\$M)	Year-to-Date Value (\$M)
NY Savings from PJM-NY Congestion Coordination	\$0.29	\$16.99
NY Savings from PJM-NY Coordinated Transaction Scheduling	(\$0.03)	(\$0.53)
NY Savings from NE-NY Coordinated Transaction Scheduling	(\$0.20)	(\$1.73)
Total NY Savings	\$0.06	\$14.73
Regional Savings from PJM-NY Coordinated Transaction Scheduling	\$0.07	\$2.21
Regional Savings from NE-NY Coordinated Transaction Scheduling	\$0.09	\$1.60
Total Regional Savings	\$0.16	\$3.81

- Statewide uplift cost monthly average was (\$0.49)/MWh
- The following table identifies the Monthly ICAP spot market prices by locality and price

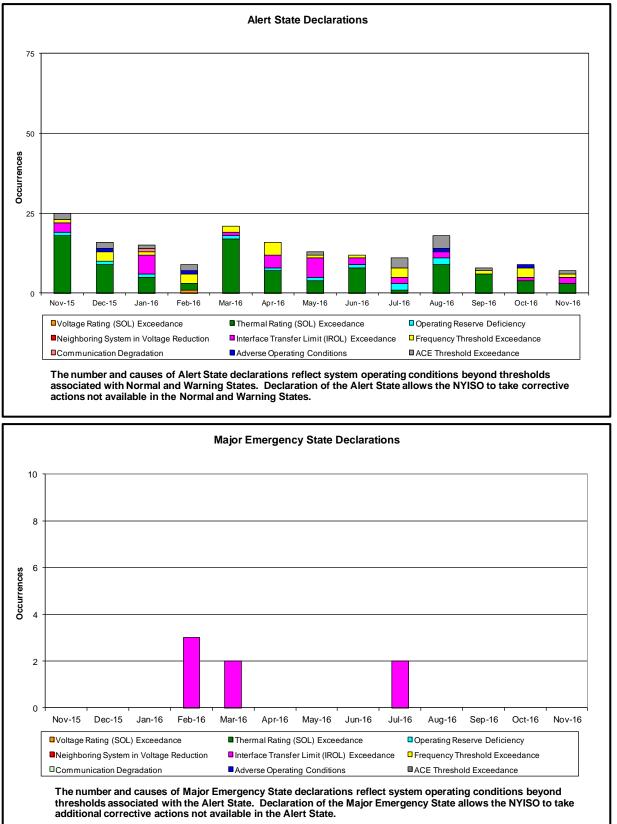
delta

Spot Auction Price Results	NYCA	Lower Hudson Valley Zones	New York City Zone	Long Island Zone
December 2016 Spot Price	\$0.55	\$3.63	\$3.63	\$0.55
November 2016 Spot Price	\$0.35	\$3.69	\$3.69	\$0.35
Delta	\$0.20	(\$0.06)	(\$0.06)	\$0.20

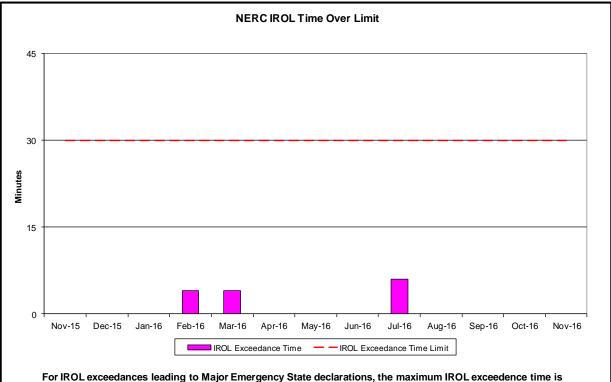
- NYCA Price increases by \$0.20 due to an decrease in net Imports
- LI Price increases by \$0.20 due to the NYCA price increasing. NYCA set the LI price for this month.
- NYCA set the LI price and Lower Hudson Valley set the NYC price for this month.



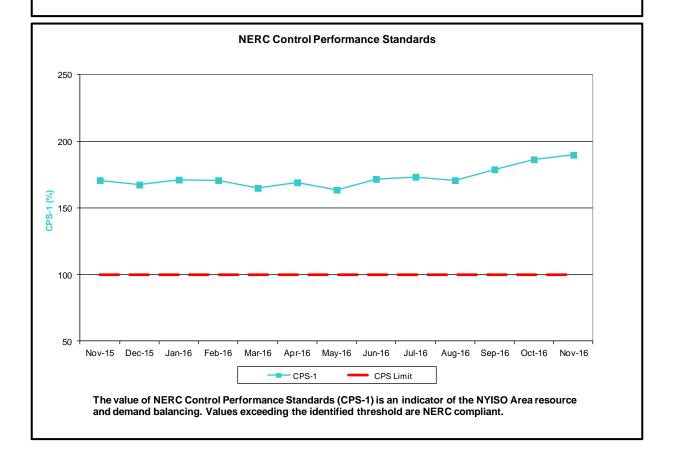
• Reliability Performance Metrics



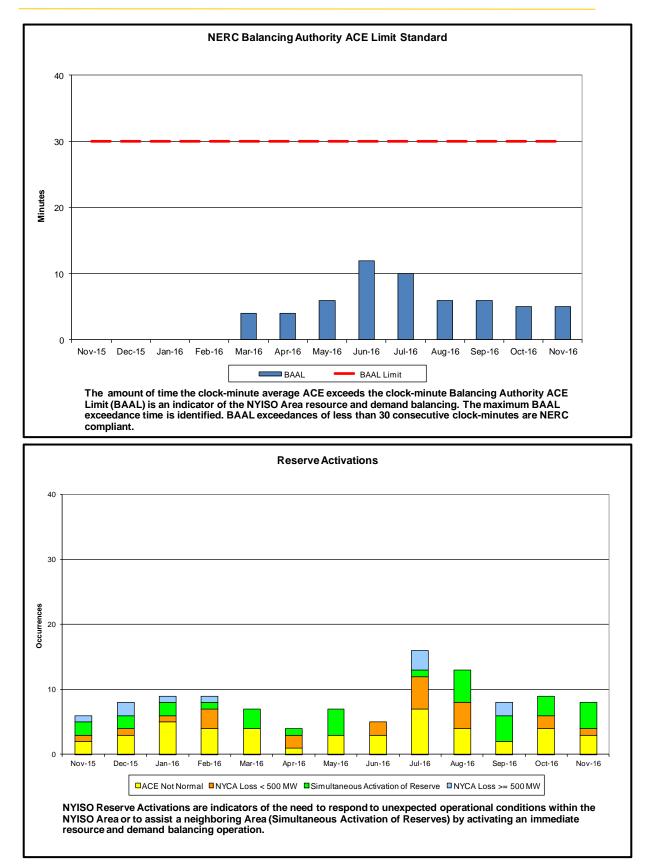




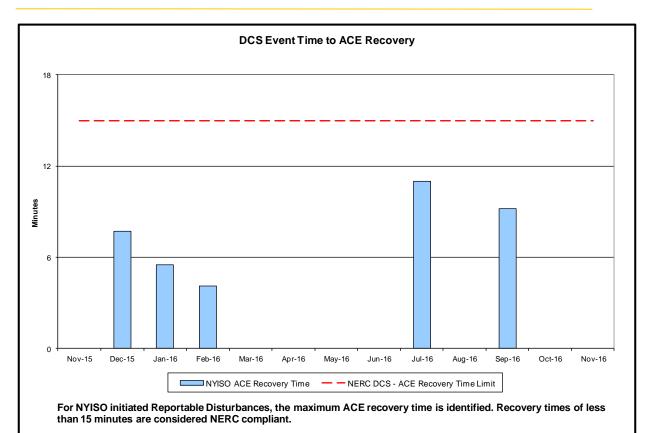
identified. IROL exceedances of less than thirty minutes are considered NERC compliant.

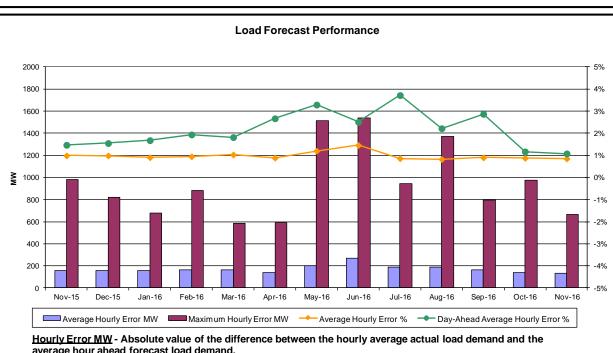








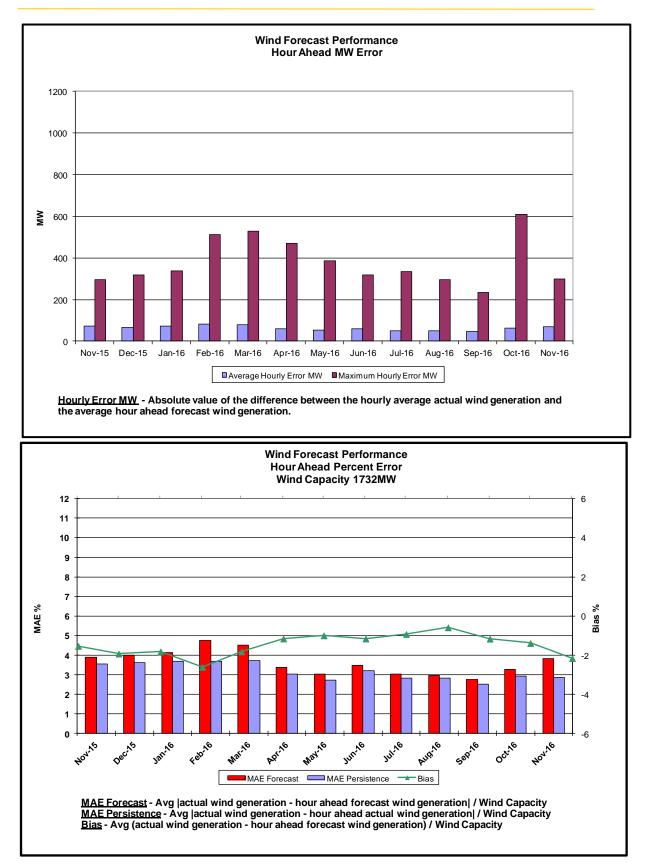




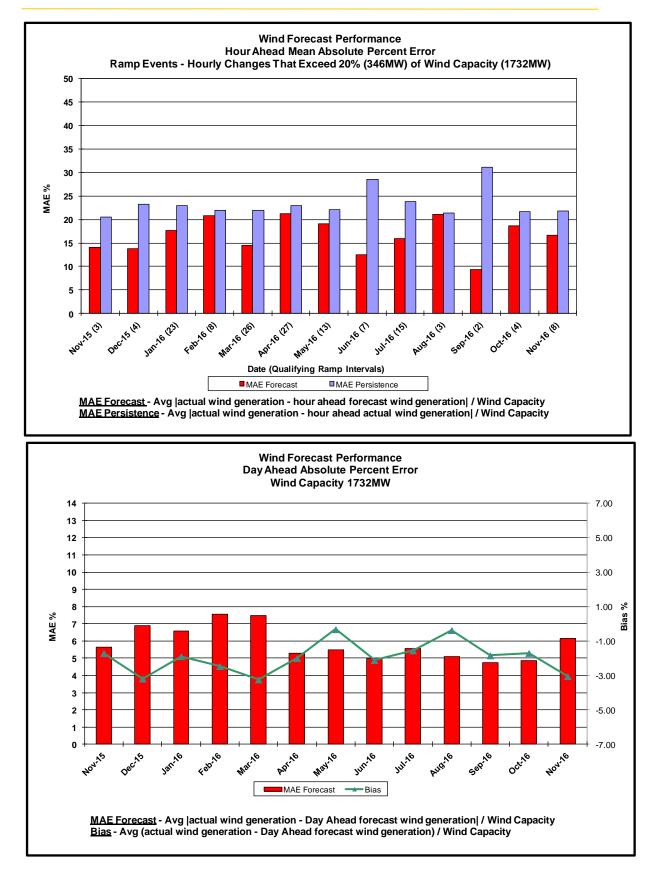
Average Hourly Error % - Average value of the ratio of hourly average error magnitude to hourly average actual

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.

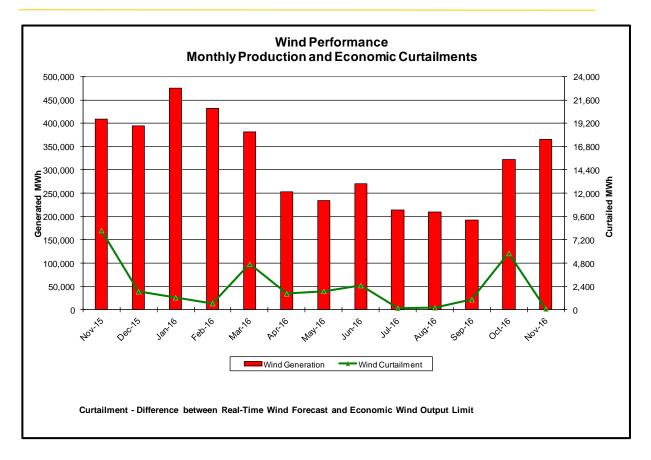




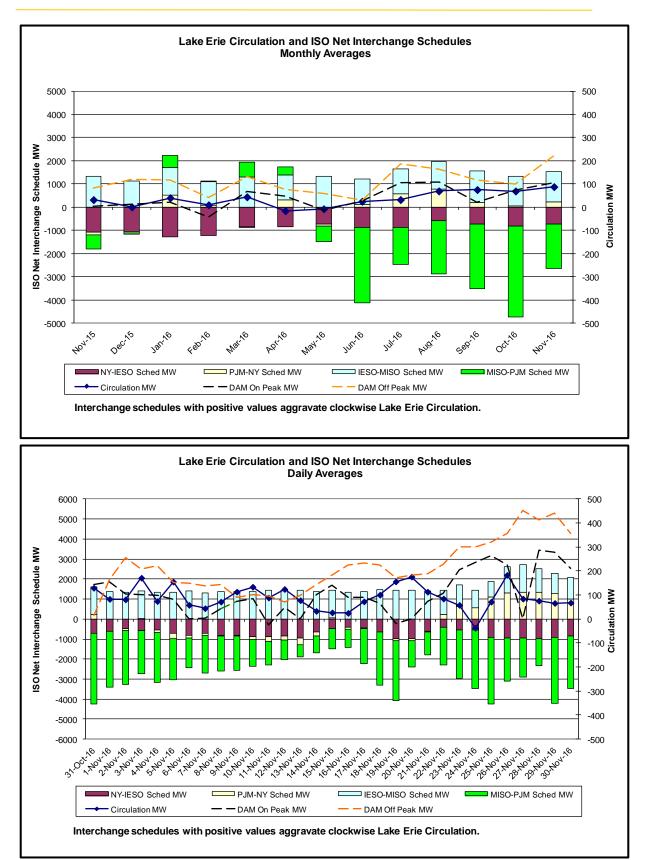




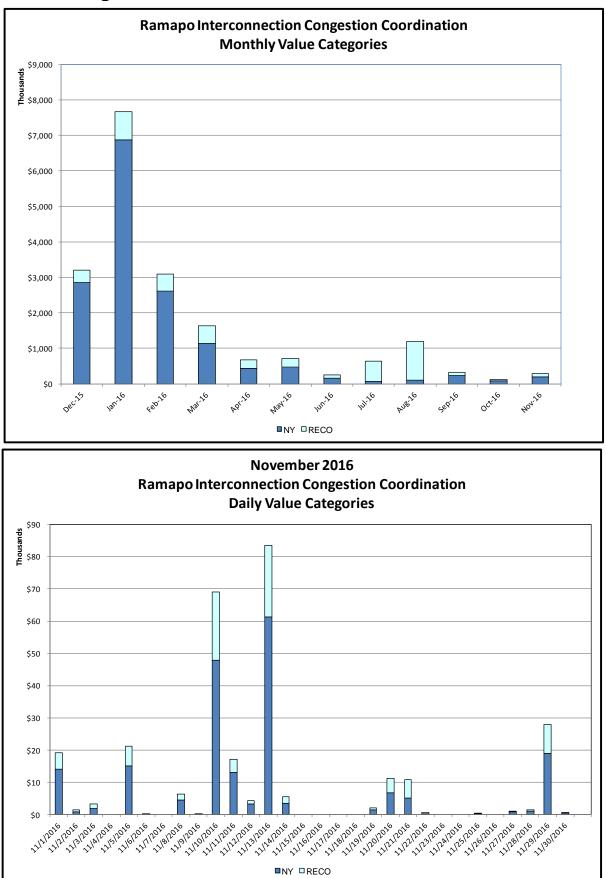












Broader Regional Market Performance Metrics

■NY ■RECO



Ramapo Interconnection Congestion Coordination

<u>Category</u> NY

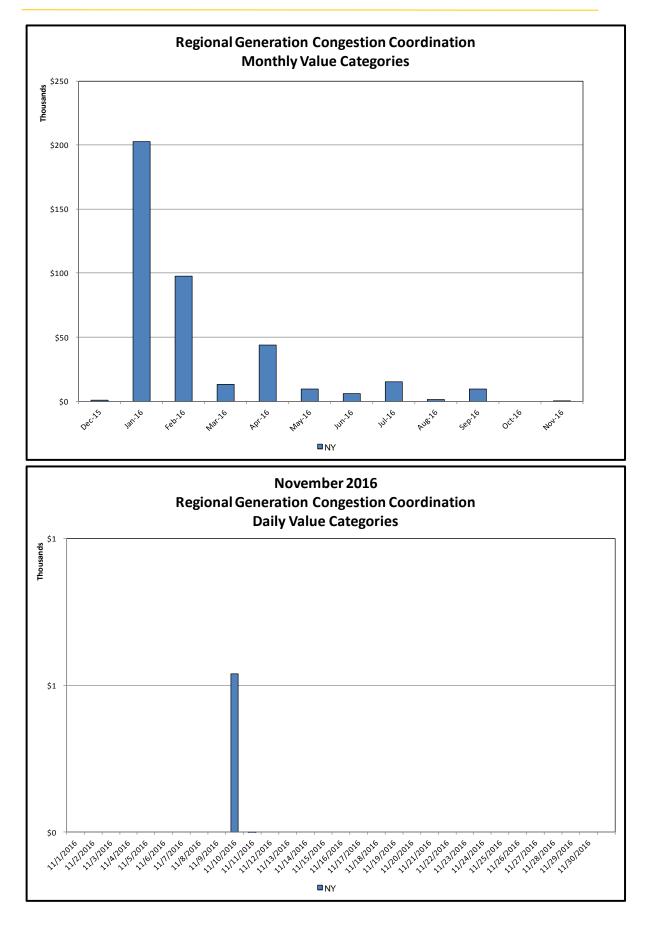
RECO

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.





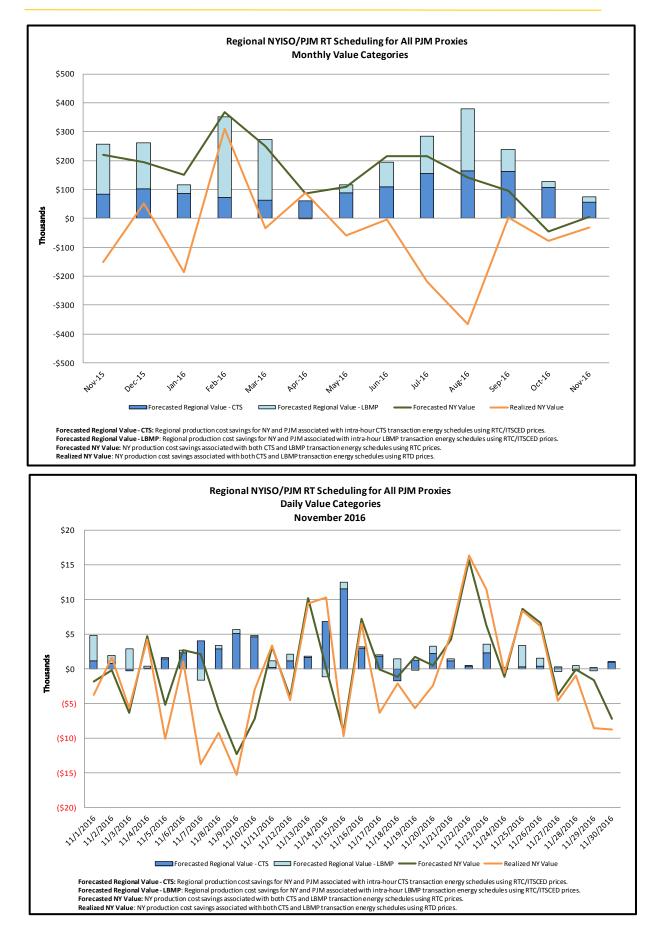


Regional Generation Congestion Coordination

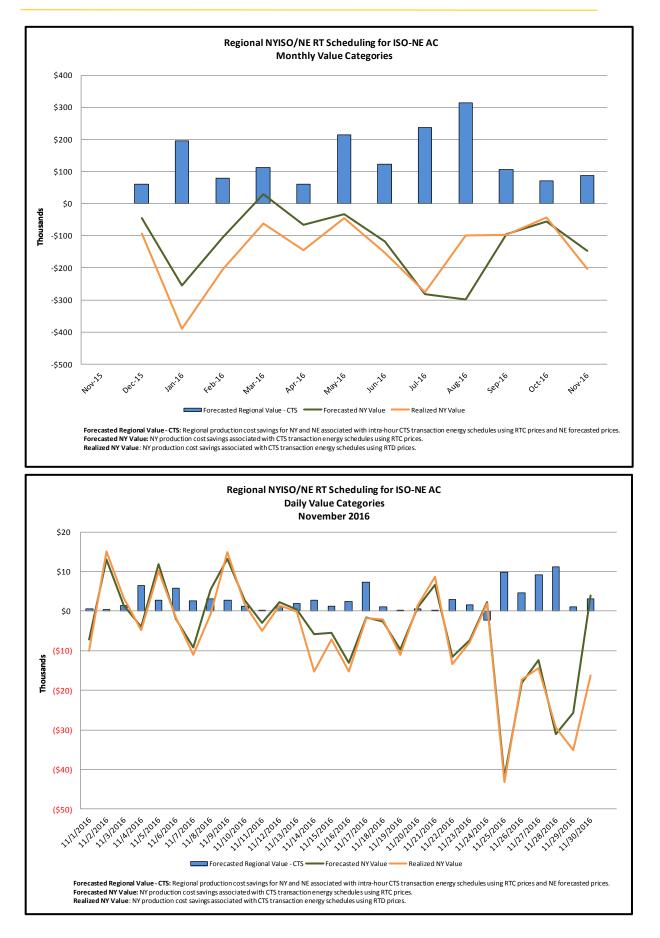
<u>Category</u> NY

<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.



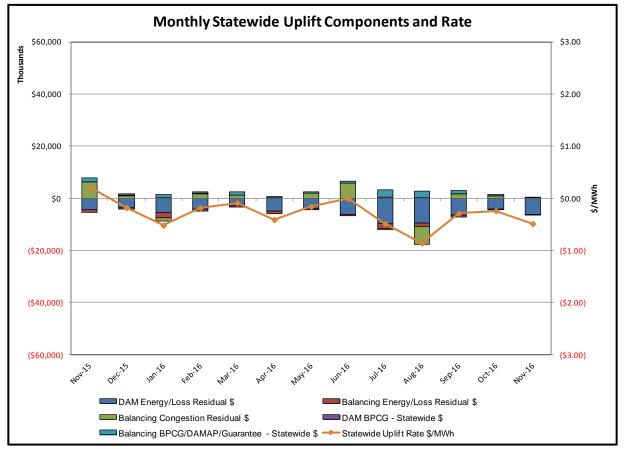




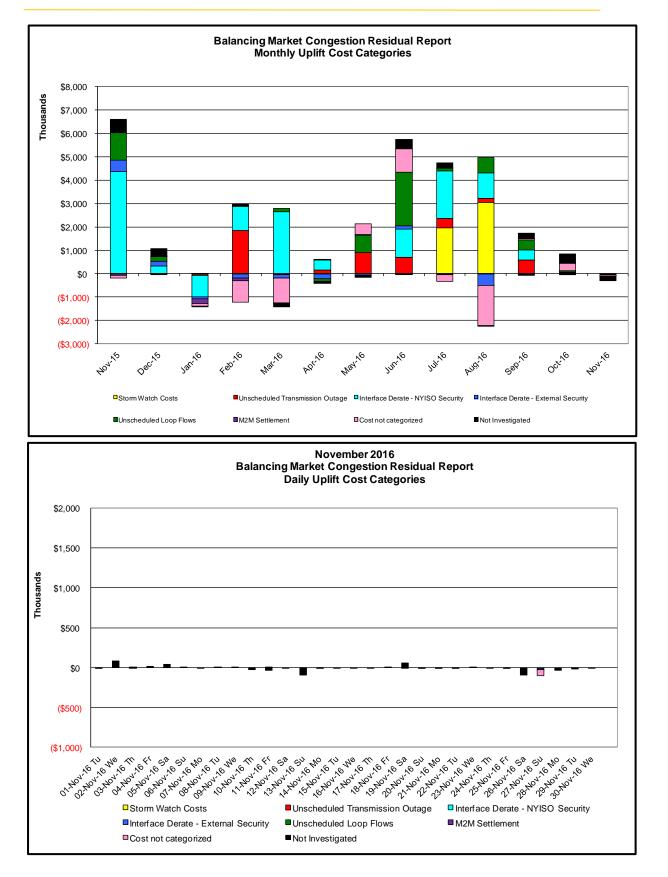




Market Performance Metrics





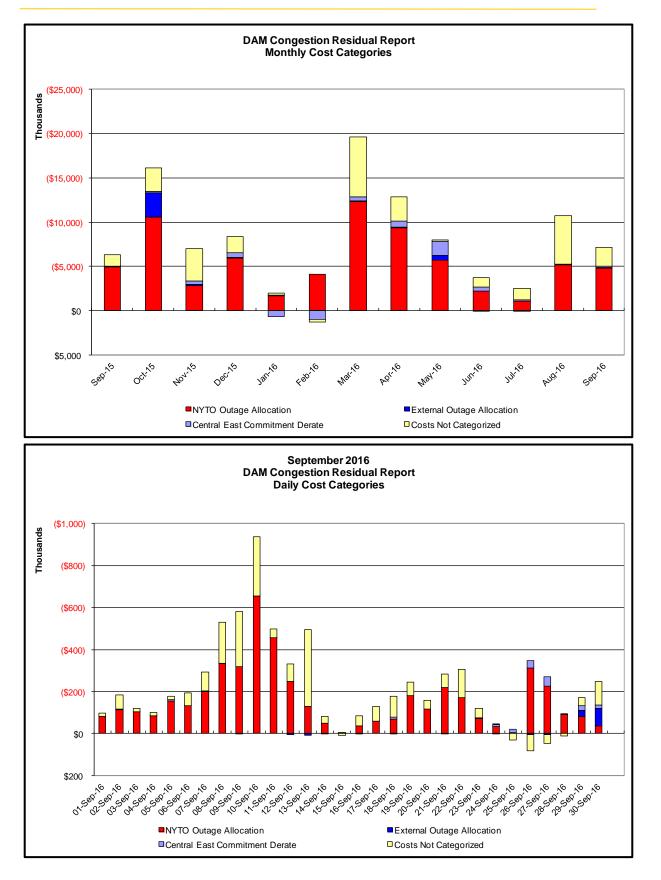




Day's	investigated in Novemb	per:27								
Event	Date (yyyymmdd)	Hours	Description							
	11/27/2016	16,17,21	lprate Astoria Annex-East 13th Street 345kV (#Q35L)							
	11/27/2016	0	NE_AC DNI Ramp Limit							
	11/27/2016	0,6	PJM_AC-NY Scheduling Limit							
	11/27/2016	5	Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East							

Real-Time Balancing Market Congestion Residual (Uplift Cost) Categories											
Category	Cost Assignment		Event Examples								
Storm Watch	Zone J	Thunderstorm Alert (TSA)	TSA Activations								
Unscheduled Transmission Outage	Market-wide	Reduction in DAM to RTM transfers related to unscheduled	Forced Line Outage, Unit AVR Outages								
		transmission outage	Unit AVR Outages								
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 Security Events	External Transaction Curtailments								
			ounannients								
Unscheduled Loop Flows	Market-wide	Changes in DAM to RTM	DAM to RTM Lake Erie								
		unscheduled loop flows impacting NYISO Interface transmission	Loop Flows exceeding +/- 125 MW								
		constraints	125 MW								
M2M Settlement	Market-wide	Settlement result inclusive of									
		coordinated redispatch and									
		Ramapo flowgates									
Monthly Balancing Market Congestio	n Report Assumpti	ons/Notes									
1) Storm Watch Costs are identified as da	ilv total uplift costs										
2) Days with a value of BMCR less M2M S	, ,	R, shortfall of \$200K/Day or more, or surplus	of \$100K/Day or more are								
investigated. 3) Uplift costs associated with multiple ev	vent types are apport	and equally by hour									
s, spint costs associated with multiple e	vene types are appoint	onea equality by nour									



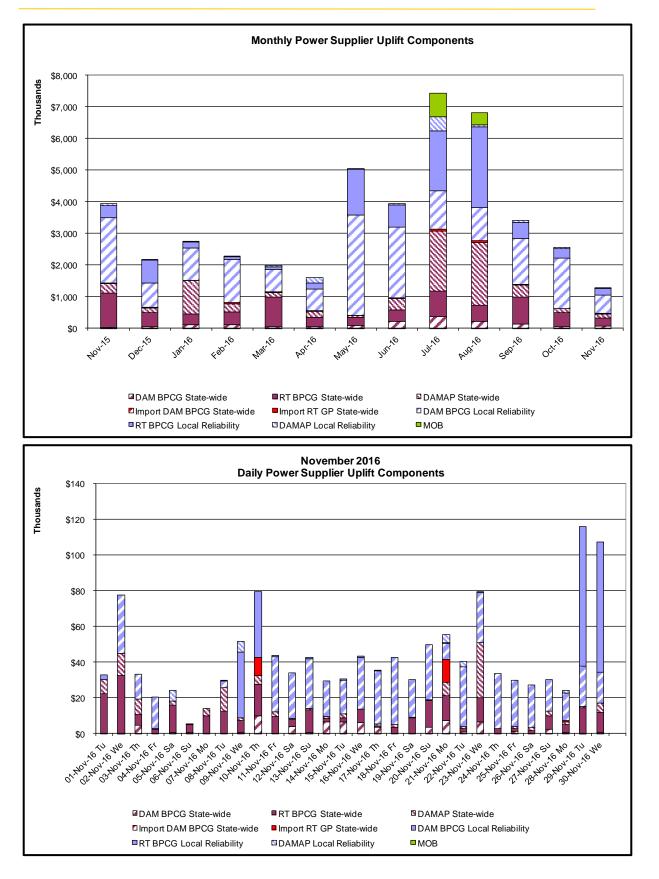




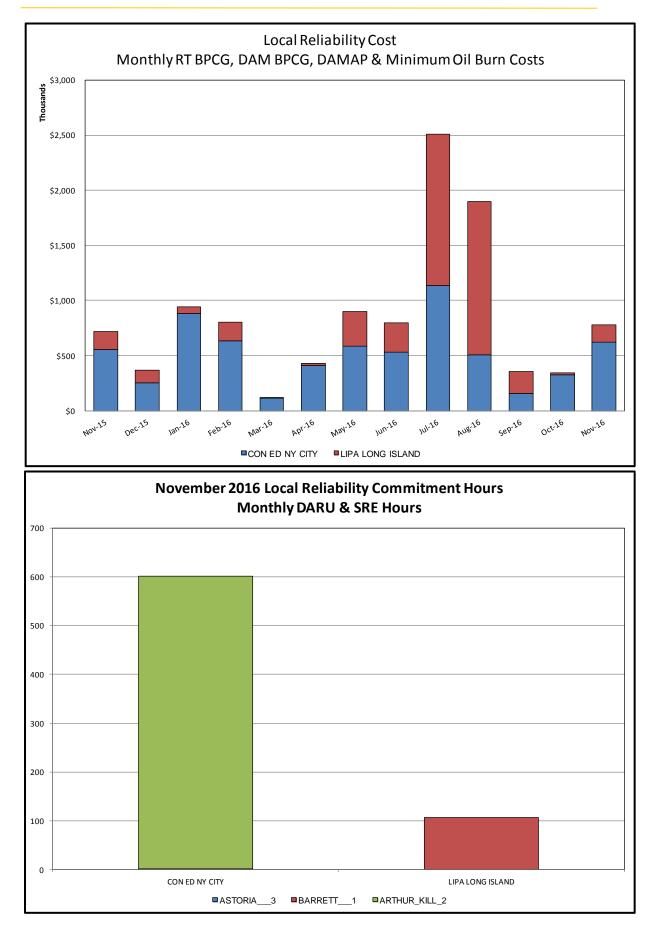
Day-Ahead Market Congestion Residual Categories

<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.	

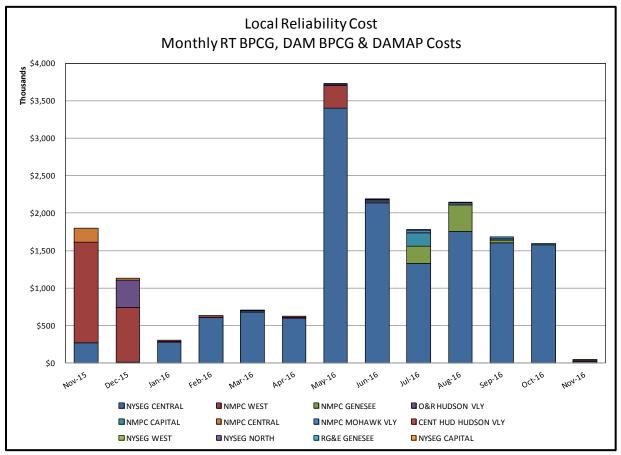


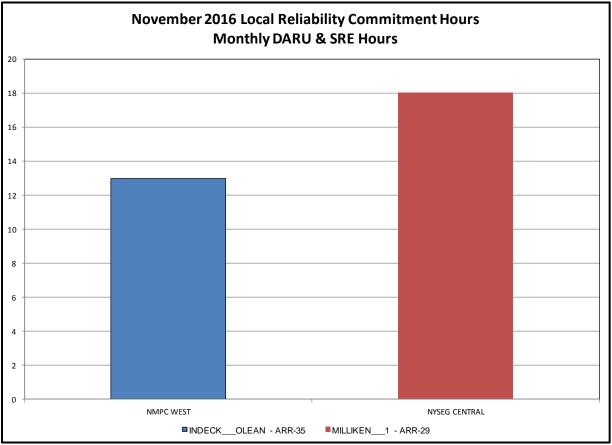




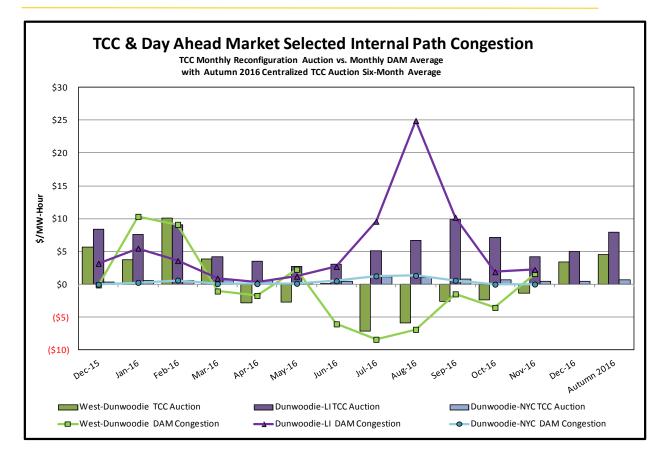


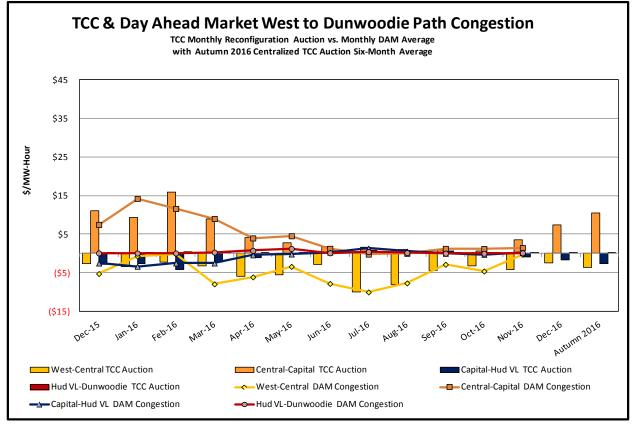




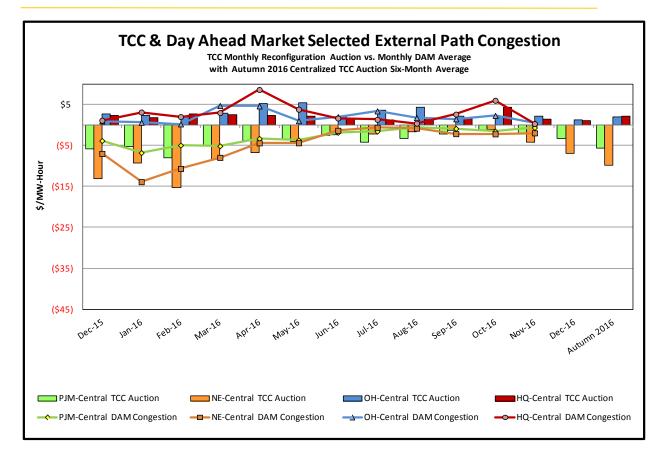




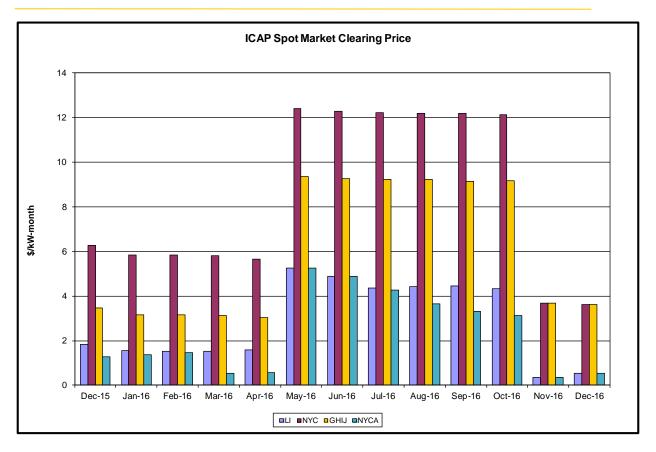


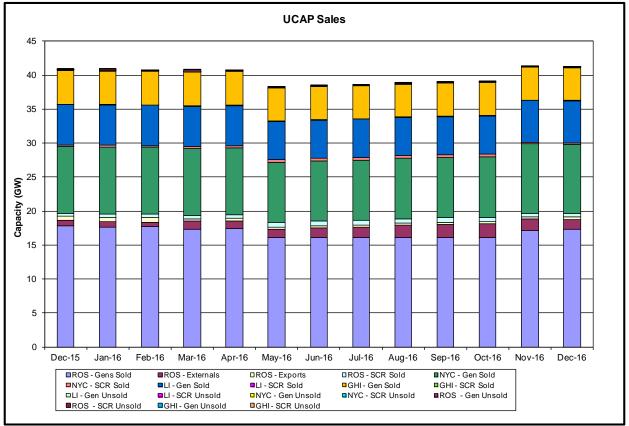










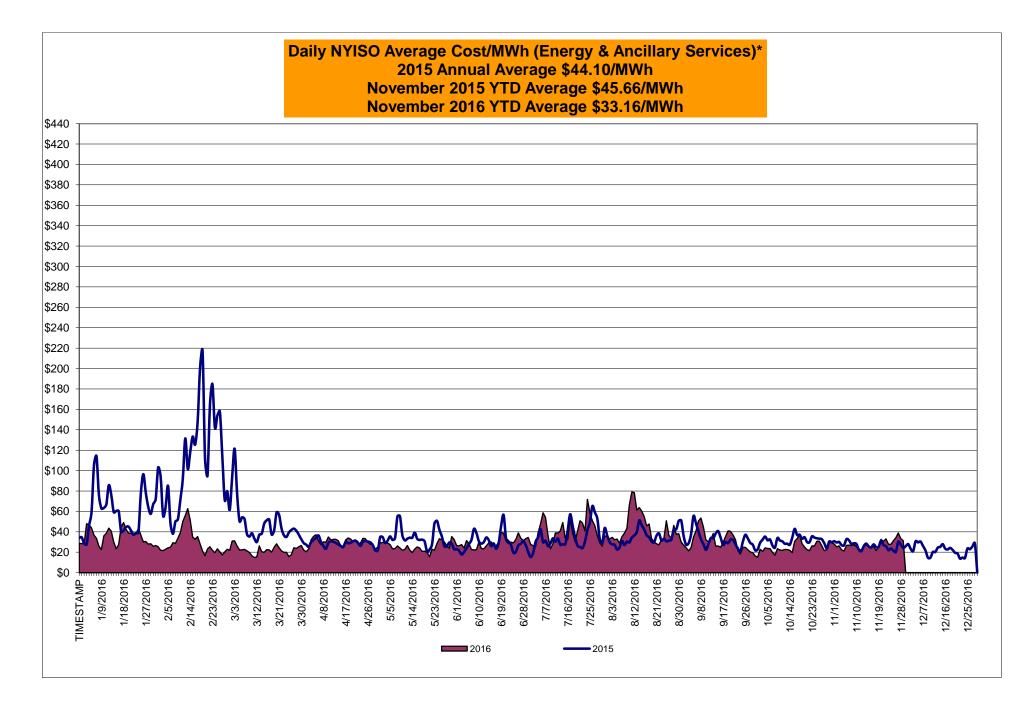


Market Performance Highlights for November 2016

- LBMP for November is \$26.31/MWh; higher than \$22.33/MWh in October 2016 and \$24.83/MWh in November 2015.
 - Day Ahead and Real Time Load Weighted LBMPs are higher compared to October.
- November 2016 average year-to-date monthly cost of \$33.16/MWh is a 27% decrease from \$45.66/MWh in November 2015.
- Average daily sendout is 398 GWh/day in November; higher than 391 GWh/day in October 2016 and 396 GWh/day in November 2015.
- Natural gas prices were higher and distillate prices were lower compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$2.19/MMBtu, up from \$1.18/MMBtu in October.
 - Natural gas prices are up 22% year-over-year
 - Jet Kerosene Gulf Coast was \$10.00/MMBtu, down from \$10.77/MMBtu in October.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$10.41/MMBtu, down from \$11.12/MMBtu in October.
 - Distillate prices are up 3.5% year-over-year
- Uplift per MWh is lower compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.42)/MWh; lower than (\$0.09)/MWh in October.
 - Local Reliability Share is \$0.07/MWh, lower than \$0.15/MWh in October.
 - Statewide Share is (\$0.49)/MWh, lower than (\$0.24)/MWh in October.
 - TSA \$ per NYC MWh is \$0.00/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than October.

12/13/2016

Market Mitigation and Analysis



* Excludes ICAP payments.

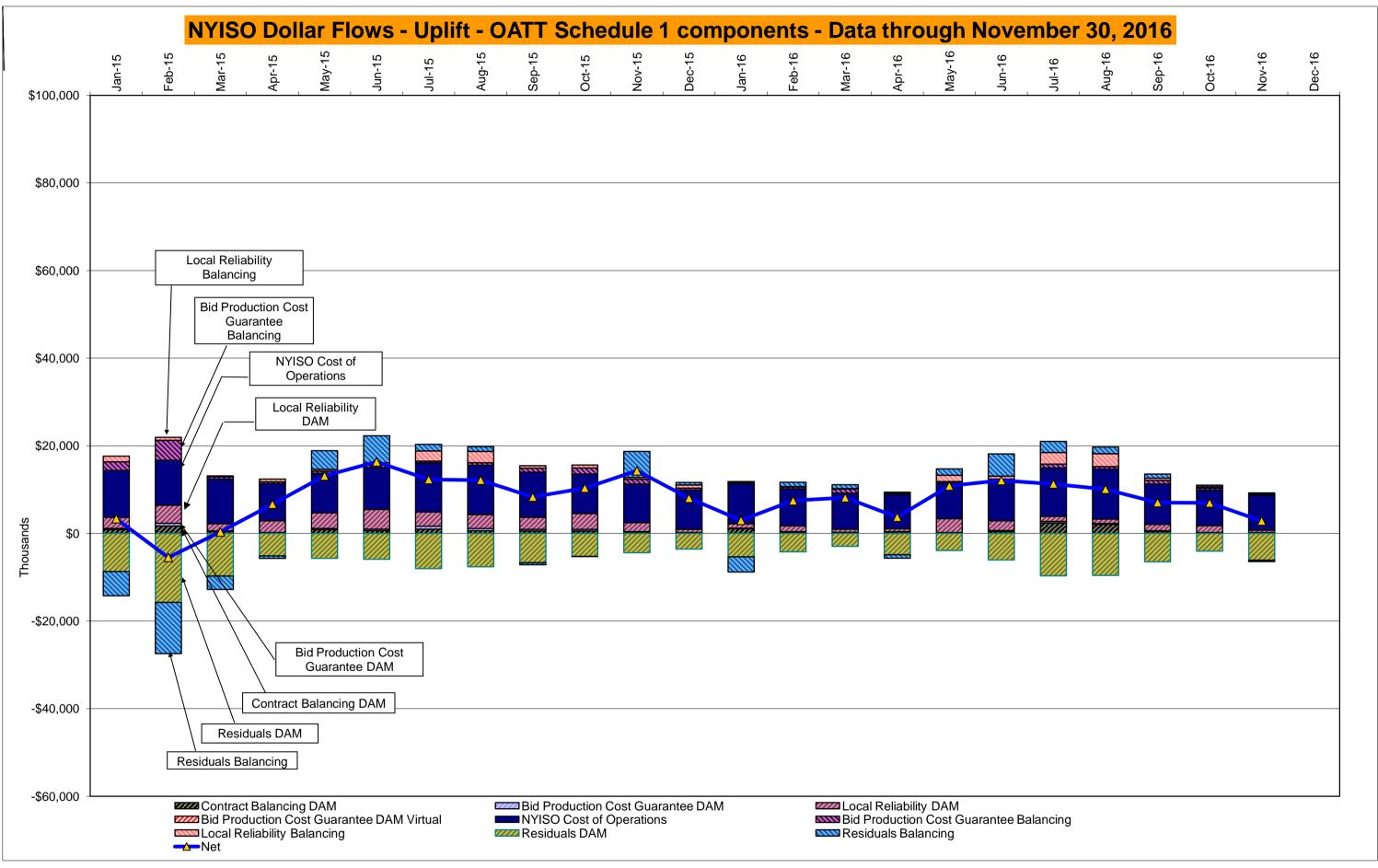
<u>NYISO Average Cost/MWh (Energy and Ancillary Services)</u> * <u>from the LBMP Customer point of view</u>

2016	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>
LBMP	34.29	28.71	20.66	27.96	23.31	27.35	40.01	42.99	30.89
NTAC	0.59	0.78	0.62	1.14	1.10	0.93	0.78	0.54	0.55
Reserve	0.77	0.73	0.73	0.87	0.71	0.59	0.67	0.68	0.69
Regulation	0.12	0.12	0.12	0.12	0.11	0.12	0.10	0.10	0.10
NYISO Cost of Operations	0.64	0.65	0.65	0.64	0.65	0.66	0.65	0.65	0.64
FERC Fee Recovery	0.09	0.10	0.11	0.10	0.09	0.09	0.07	0.06	0.08
Uplift	(0.43)	(0.07)	(0.03)	(0.34)	0.19	0.20	(0.26)	(0.63)	(0.15)
Uplift: Local Reliability Share	0.09	0.11	0.06	0.07	0.35	0.21	0.23	0.22	0.14
Uplift: Statewide Share	(0.52)	(0.18)	(0.09)	(0.41)	(0.16)	(0.01)	(0.49)	(0.86)	(0.29)
Voltage Support and Black Start	0.35	0.36	0.36	0.35	0.36	0.36	0.36	0.36	0.36
Avg Monthly Cost	36.42	31.37	23.23	30.84	26.52	30.29	42.40	44.75	33.16
Avg YTD Cost	36.42	34.02	30.68	30.71	29.85	29.93	32.32	34.43	34.31
TSA \$ per NYC MWh	0.00	0.00	0.05	0.00	0.00	0.02	0.84	1.64	0.00
2015	<u>January</u>	February	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>
LBMP	59.61	114.37	52.09	28.36	32.98	28.20	34.77	33.09	34.40
NTAC	0.32	0.35	0.41	0.64	0.56	0.80	0.54	0.60	0.63
Reserve	0.27	0.37	0.56	0.36	0.38	0.24	0.27	0.20	0.28
Regulation	0.10	0.18	0.11	0.12	0.10	0.13	0.12	0.12	0.10
NYISO Cost of Operations	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	(0.15)
Uplift: Local Reliability Share	0.25	0.33	0.13	0.27	0.30	0.37	0.35	0.36	0.22
Uplift: Statewide Share	(0.73)	(1.41)	(0.81)	(0.42)	(0.05)	(0.04)	(0.30)	(0.33)	(0.37)
Voltage Support and Black Start	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	35.14	36.35
Avg YTD Cost	60.91	87.74	76.64	66.82	60.96	56.02	52.77	50.20	48.59
TSA \$ per NYC MWh	0.00	0.00	0.00	0.00	0.17	0.50	0.07	0.06	0.01
2014	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	May	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>
LBMP	183.36	123.19	109.58	46.09	40.30	43.39	43.97	34.48	37.63
NTAC	0.56	0.64	0.39	1.18	0.69	0.78	0.43	0.41	0.50
Reserve	0.78	0.49	0.56	0.46	0.28	0.27	0.26	0.26	0.29
Regulation	0.27	0.21	0.22	0.13	0.12	0.12	0.12	0.13	0.11
NYISO Cost of Operations	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)
Uplift: Local Reliability Share	1.43	0.75	0.62	0.15	0.51	0.32	0.29	0.27	0.26
Uplift: Statewide Share	(1.21)	(0.19)	(0.27)	(0.24)	(0.44)	(0.53)	(0.55)	(0.45)	(0.46)
Voltage Support and Black Start	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
Avg YTD Cost	186.24	157.93	142.77	121.97	108.36	97.84	89.46	82.60	78.07
TSA \$ per NYC MWh * Excludes ICAP payments.	0.00	0.00	0.00	0.00	0.00	0.03	0.35	0.00	0.42
Market Mitigation and Analysis					В			As of Jan. 20	16, the annual FERC

Prepared: 12/7/2016 3:42 PM

0.000.420.000.000.00Data reflects true-ups thru December 2015.As of Jan. 2016, the annual FERC fee is recovered separately from Cost of Ops.

<u>October</u> 22.33 0.86 0.77 0.15 0.64 0.10 (0.09) 0.15 (0.24) 0.36 25.12	November 26.31 0.79 0.68 0.13 0.64 0.10 (0.42) 0.07 (0.49) 0.36 28.61	<u>December</u>
33.54	33.16	
0.00	0.00	
<u>October</u> 30.05 0.53 0.28 0.12 0.69 0.10 0.33 (0.23) 0.39 32.18 47.17 0.00	November 24.83 0.68 0.47 0.13 0.70 0.44 0.20 0.25 0.39 27.64 45.66 0.00	December 20.91 1.05 0.60 0.13 0.69 (0.07) 0.12 (0.18) 0.38 23.71 44.10 0.00
<u>October</u> 35.61 0.57 0.48 0.12 0.69 (0.24) 0.26 (0.50) 0.36 37.59	November 42.89 0.68 0.37 0.11 0.69 (0.40) 0.24 (0.64) 0.36 44.71	December 38.08 0.86 0.23 0.08 0.69 (0.20) 0.13 (0.33) 0.36 40.09
74.63	72.06	69.31
0.00	0.00	0.00



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>2016</u>	<u>January</u>	<u>February</u>	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>
Day Ahead Market MWh	14,760,915	13,614,754	13,413,781	12,496,141	12,959,886	14,095,904	16,950,819	17,413,898	14,563,318	13,014,354	12,770,775	
DAM LSE Internal LBMP Energy Sales	54%	55%	55%	57%	58%	60%	64%	63%	60%	56%	56%	
DAM External TC LBMP Energy Sales	4%	2%	1%	5%	2%	1%	1%	3%	3%	2%	2%	
DAM Bilateral - Internal Bilaterals	34%	34%	35%	28%	31%	30%	28%	27%	30%	33%	32%	
DAM Bilateral - Importl/Non-LBMP Market Bilaterals	5%	5%	5%	6%	5%	5%	4%	4%	5%	5%	5%	
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	1%	2%	2%	2%	2%	1%	1%	1%	2%	2%	
DAM Bilateral - Wheel Through Bilaterals	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	3%	
Balancing Energy Market MWh	-522,919	-580,900	-741,701	-303,313	-180,848	-143,015	-86,025	224,316	-250,802	-477,109	-394,575	
Balancing Energy LSE Internal LBMP Energy Sales	-125%	-114%	-118%	-76%	-147%	-203%	-347%	42%	-139%	-111%	-102%	
Balancing Energy External TC LBMP Energy Sales	12%	13%	19%	-13%	55%	77%	204%	56%	49%	21%	28%	
Balancing Energy Bilateral - Internal Bilaterals	19%	9%	4%	8%	27%	47%	62%	28%	18%	6%	9%	
Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	6%	5%	3%	5%	7%	10%	15%	5%	5%	4%	6%	
Balancing Energy Bilateral - Wheel Through Bilaterals	-12%	-12%	-8%	-24%	-42%	-32%	-34%	-31%	-32%	-21%	-40%	
Transactions Summary												
LBMP	56%	56%	54%	62%	59%	61%	65%	66%	62%	57%	57%	
Internal Bilaterals	36%	36%	37%	29%	32%	31%	28%	27%	30%	35%	34%	
Import Bilaterals	5%	5%	6%	6%	5%	5%	4%	4%	5%	5%	6%	
Export Bilaterals	2%	2%	2%	2%	2%	2%	1%	1%	1%	2%	2%	
Wheels Through	1%	1%	1%	1%	2%	2%	1%	1%	2%	1%	2%	
Market Share of Total Load	170	170	170	170	270	270	170	170	270	170	270	
Day Ahead Market	103.7%	104.5%	105.9%	102.5%	101.4%	101.0%	100.5%	98.7%	101.8%	103.8%	103.2%	
Balancing Energy +	-3.7%	-4.5%	-5.9%	-2.5%	-1.4%	-1.0%	-0.5%	1.3%	-1.8%	-3.8%	-3.2%	
Total MWH	14,237,996	13,033,853	12,672,080	12,192,828	12,779,038	13,952,889	16,864,794	17,638,213		12,537,245	12,376,200	
Average Daily Energy Sendout/Month GWh	439	436	397	385	397	456	532	548	458	391	398	
	-00	400	531	505		+30	002	540			550	
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<u>2015</u>	<u>January</u>	<u>February</u>	March	<u>April</u>	<u>May</u>	June	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	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	13,338,332	13,620,002
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales	15,961,306 55%	14,967,371 54%		12,589,321 55%	13,291,917 57%	14,277,299 57%	16,573,027 62%	16,333,932 61%	14,740,907 58%	13,546,033 53%	13,338,332 53%	13,620,002 55%
Day Ahead Market MWh	15,961,306	14,967,371	15,059,207	12,589,321	13,291,917 57% 2%	14,277,299 57% 1%	16,573,027 62% 1%	16,333,932 61% 1%	14,740,907	13,546,033	13,338,332	13,620,002 55% 1%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals	15,961,306 55% 5% 35%	14,967,371 54% 6% 33%	15,059,207 53%	12,589,321 55% 4% 33%	13,291,917 57% 2% 35%	14,277,299 57% 1% 33%	16,573,027 62% 1% 30%	16,333,932 61% 1% 31%	14,740,907 58% 3% 31%	13,546,033 53% 6% 34%	13,338,332 53% 5% 33%	13,620,002 55% 1% 35%
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	15,961,306 55% 5%	14,967,371 54% 6%	15,059,207 53% 6%	12,589,321 55% 4% 33% 6%	13,291,917 57% 2%	14,277,299 57% 1%	16,573,027 62% 1%	16,333,932 61% 1%	14,740,907 58% 3%	13,546,033 53% 6%	13,338,332 53% 5%	13,620,002 55% 1% 35% 5%
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	15,961,306 55% 5% 35% 3% 2%	14,967,371 54% 6% 33% 5% 2%	15,059,207 53% 6% 33% 5% 1%	12,589,321 55% 4% 33% 6% 2%	13,291,917 57% 2% 35% 4% 1%	14,277,299 57% 1% 33% 5% 1%	16,573,027 62% 1% 30% 4% 1%	16,333,932 61% 1% 31% 4% 1%	14,740,907 58% 3% 31% 5% 1%	13,546,033 53% 6% 34% 5% 2%	13,338,332 53% 5% 33% 5% 2%	13,620,002 55% 1% 35% 5% 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	15,961,306 55% 5% 35% 3%	14,967,371 54% 6% 33% 5%	15,059,207 53% 6% 33% 5%	12,589,321 55% 4% 33% 6%	13,291,917 57% 2% 35% 4%	14,277,299 57% 1% 33% 5%	16,573,027 62% 1% 30% 4%	16,333,932 61% 1% 31% 4%	14,740,907 58% 3% 31% 5%	13,546,033 53% 6% 34% 5%	13,338,332 53% 5% 33% 5%	13,620,002 55% 1% 35% 5%
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	15,961,306 55% 5% 35% 3% 2%	14,967,371 54% 6% 33% 5% 2%	15,059,207 53% 6% 33% 5% 1%	12,589,321 55% 4% 33% 6% 2%	13,291,917 57% 2% 35% 4% 1%	14,277,299 57% 1% 33% 5% 1%	16,573,027 62% 1% 30% 4% 1%	16,333,932 61% 1% 31% 4% 1%	14,740,907 58% 3% 31% 5% 1%	13,546,033 53% 6% 34% 5% 2%	13,338,332 53% 5% 33% 5% 2%	13,620,002 55% 1% 35% 5% 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	15,961,306 55% 5% 35% 3% 2% 0%	14,967,371 54% 6% 33% 5% 2% 1%	15,059,207 53% 6% 33% 5% 1% 1%	12,589,321 55% 4% 33% 6% 2% 1%	13,291,917 57% 2% 35% 4% 1% 0%	14,277,299 57% 1% 33% 5% 1% 2%	16,573,027 62% 1% 30% 4% 1% 2%	16,333,932 61% 1% 31% 4% 1% 2%	14,740,907 58% 3% 31% 5% 1% 2%	13,546,033 53% 6% 34% 5% 2% 1%	13,338,332 53% 5% 33% 5% 2% 2% 2%	13,620,002 55% 1% 35% 5% 2% 2%
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWh	15,961,306 55% 5% 35% 3% 2% 0% -650,944	14,967,371 54% 6% 33% 5% 2% 1% -296,616	15,059,207 53% 6% 33% 5% 1% 1% 1% -396,739	12,589,321 55% 4% 33% 6% 2% 1% -409,205	13,291,917 57% 2% 35% 4% 1% 0% -331,091	14,277,299 57% 1% 33% 5% 1% 2% -549,794	16,573,027 62% 1% 30% 4% 1% 2% -505,637	16,333,932 61% 1% 31% 4% 1% 2% -228,461	14,740,907 58% 3% 31% 5% 1% 2% -33,268	13,546,033 53% 6% 34% 5% 2% 1% -604,600	13,338,332 53% 5% 33% 5% 2% 2% 2% -718,787	13,620,002 55% 1% 35% 5% 2% 2% -642,268
Day Ahead Market MWhDAM LSE Internal LBMP Energy SalesDAM External TC LBMP Energy SalesDAM Bilateral - Internal BilateralsDAM Bilateral - Internal BilateralsDAM Bilateral - Importl/Non-LBMP Market BilateralsDAM Bilateral - Export/Non-LBMP Market BilateralsDAM Bilateral - Wheel Through BilateralsBalancing Energy Market MWhBalancing Energy LSE Internal LBMP Energy Sales	15,961,306 55% 5% 35% 3% 2% 0% -650,944 -149%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247%	15,059,207 53% 6% 33% 5% 1% 1% -396,739 -192%	12,589,321 55% 4% 33% 6% 2% 1% -409,205 -147%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345%	13,546,033 53% 6% 34% 5% 2% 1% -604,600 -115%	13,338,332 53% 5% 33% 5% 2% 2% 2% -718,787 -110%	13,620,002 55% 1% 35% 5% 2% 2% -642,268 -115%
Day Ahead Market MWh DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals 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	15,961,306 55% 5% 35% 3% 2% 0% -650,944 -149% 30%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113%	15,059,207 53% 6% 33% 5% 1% 1% 1% -396,739 -192% 64%	12,589,321 55% 4% 33% 6% 2% 1% -409,205 -147% 36%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 16%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120% 25%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110%	13,546,033 53% 6% 34% 5% 2% 1% -604,600 -115% 12%	13,338,332 53% 5% 33% 5% 2% 2% 2% -718,787 -110% 12%	13,620,002 55% 1% 35% 5% 2% 2% 2% -642,268 -115% 17%
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 Bilateral - Internal Bilaterals	15,961,306 55% 5% 35% 3% 2% 0% -650,944 -149% 30% 13%	14,967,371 54% 6% 33% 5% 2% 1% -296,616 -247% 113% 14%	15,059,207 53% 6% 33% 5% 1% 1% -396,739 -192% 64% 19%	12,589,321 55% 4% 33% 6% 2% 1% -409,205 -147% 36% 5%	13,291,917 57% 2% 35% 4% 1% 0% -331,091 -142% 35% 6%	14,277,299 57% 1% 33% 5% 1% 2% -549,794 -106% 16% 6%	16,573,027 62% 1% 30% 4% 1% 2% -505,637 -120% 25% 13%	16,333,932 61% 1% 31% 4% 1% 2% -228,461 -139% 50% 25%	14,740,907 58% 3% 31% 5% 1% 2% -33,268 -345% 110% 239%	13,546,033 53% 6% 34% 5% 2% 1% -604,600 -115% 12% 7%	13,338,332 53% 5% 33% 5% 2% 2% 2% -718,787 -110% 12% 4%	13,620,002 55% 1% 35% 5% 2% 2% -642,268 -115% 17% 5%
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+ Balancing Energy: Load(MW) purchased at Real Time LBMP.

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

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

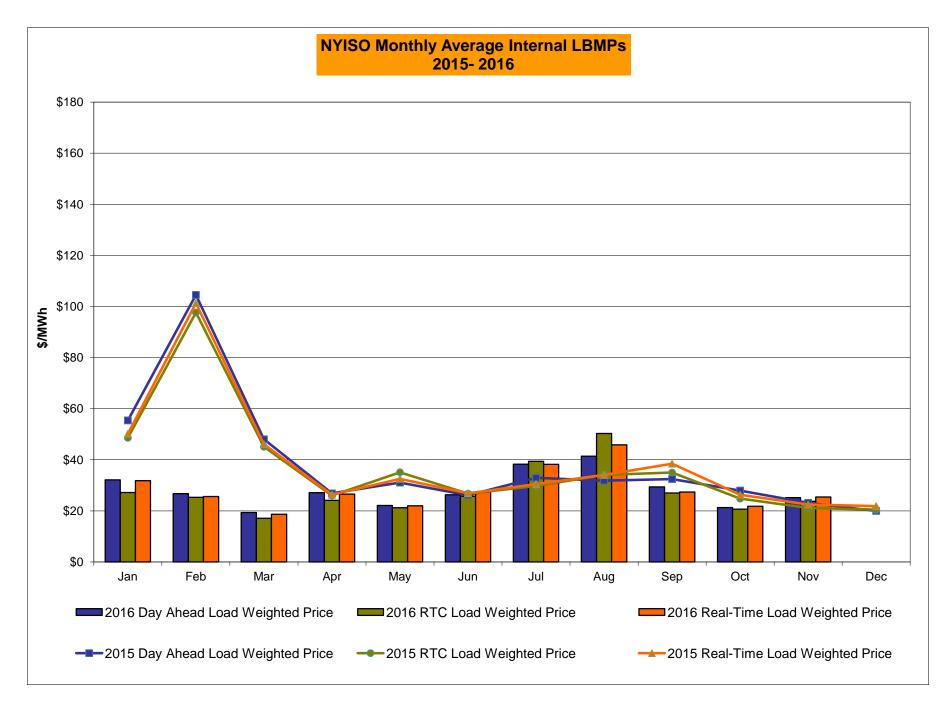
NYISO Markets 2016 Energy Statistics

	<u>January</u>	February	March	<u>April</u>	May	June	July	August	<u>September</u>	<u>October</u>	November December
DAY AHEAD LBMP											
Price *	\$31.01	\$25.76	\$18.63	\$26.39	\$21.07	\$24.83	\$35.24	\$38.25	\$27.15	\$20.37	\$24.35
Standard Deviation	\$10.86	\$12.46	\$6.99	\$6.95	\$7.04	\$9.21	\$18.37	\$20.59	\$13.55	\$7.48	\$7.32
Load Weighted Price **	\$32.13	\$26.75	\$19.37	\$27.14	\$22.12	\$26.30	\$38.29	\$41.41	\$29.38	\$21.29	\$25.15
RTC LBMP											
Price *	\$26.12	\$24.10	\$16.41	\$23.41	\$19.96	\$24.29	\$36.22	\$45.03	\$24.70	\$19.76	\$23.02
Standard Deviation	\$16.06	\$17.89	\$11.32	\$9.09	\$11.44	\$16.58	\$38.04	\$70.57	\$17.46	\$8.96	\$9.49
Load Weighted Price **	\$27.16	\$25.29	\$17.11	\$24.10	\$21.23	\$25.73	\$39.42	\$50.28	\$26.97	\$20.64	\$23.73
REAL TIME LBMP											
Price *	\$30.15	\$24.28	\$17.84	\$25.71	\$20.67	\$25.87	\$34.40	\$40.87	\$24.90	\$20.91	\$24.72
Standard Deviation	\$60.09	\$18.19	\$15.06	\$16.59	\$12.84	\$19.27	\$38.56	\$52.85	\$20.70	\$12.15	\$12.71
Load Weighted Price **	\$31.80	\$25.61	\$18.64	\$26.57	\$21.99	\$27.39	\$38.20	\$45.82	\$27.38	\$21.81	\$25.45
Average Daily Energy Sendout/Month GWh	439	436	397	385	397	456	532	548	458	391	398

NYISO Markets 2015 Energy Statistics

	<u>January</u>	February	March	<u>April</u>	May	<u>June</u>	<u>July</u>	August S	September	<u>October</u>	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	\$18.94
Standard Deviation	\$24.61	\$48.85	\$21.51	\$6.73	\$13.44	\$11.96	\$17.67	\$12.05	\$13.37	\$7.64	\$7.94	\$8.41
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	\$19.97
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	\$19.34
Standard Deviation	\$22.84	\$47.55	\$29.42	\$12.31	\$35.40	\$24.71	\$21.84	\$23.25	\$22.99	\$10.56	\$15.66	\$14.23
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	\$20.46
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	\$20.75
Standard Deviation	\$25.99	\$52.53	\$29.07	\$12.66	\$31.69	\$31.14	\$23.42	\$26.51	\$34.85	\$12.56	\$18.76	\$19.00
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	\$21.86
Average Daily Energy Sendout/Month GWh	462	481	436	387	409	450	512	511	473	389	396	408

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



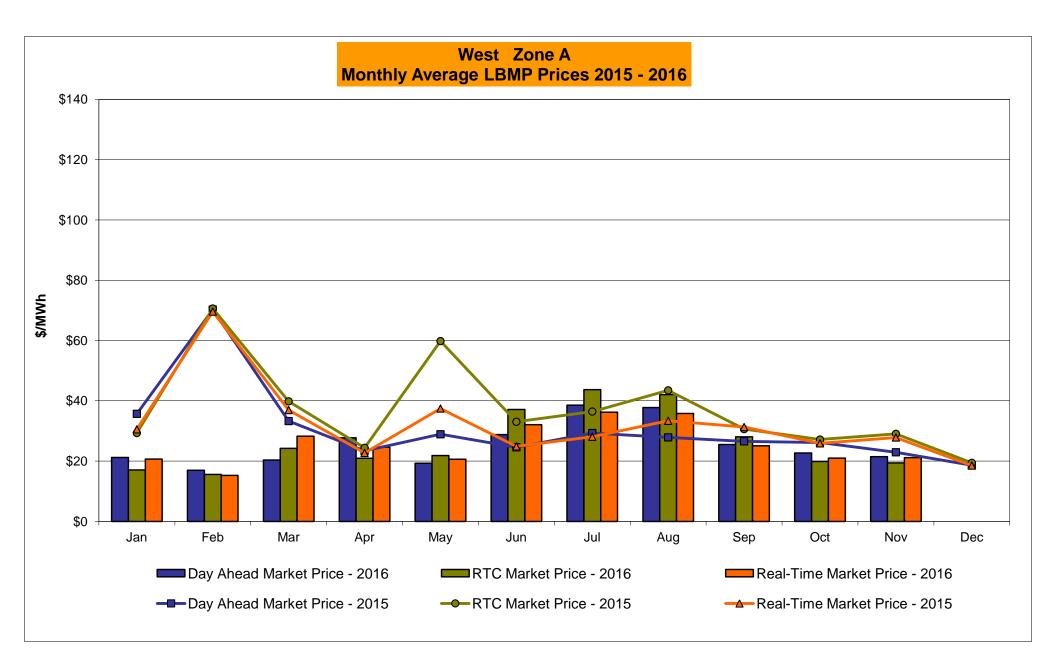
Market Mitigation and Analysis Prepared: 12/7/2016 3:39 PM

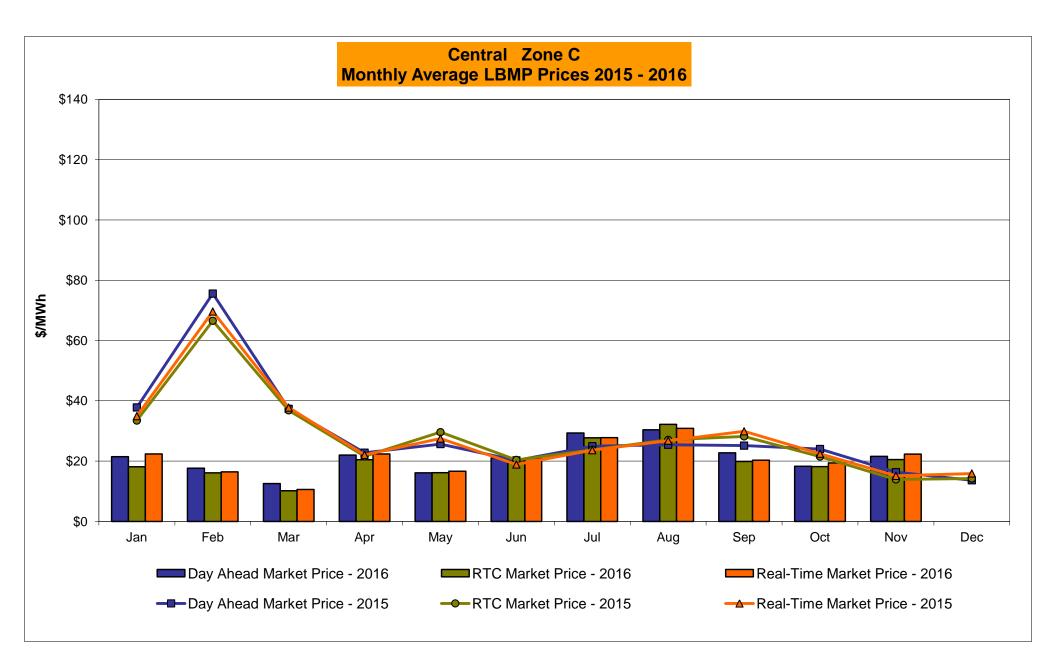
November 2016 Zonal LBMP Statistics for NYISO (\$/MWh)

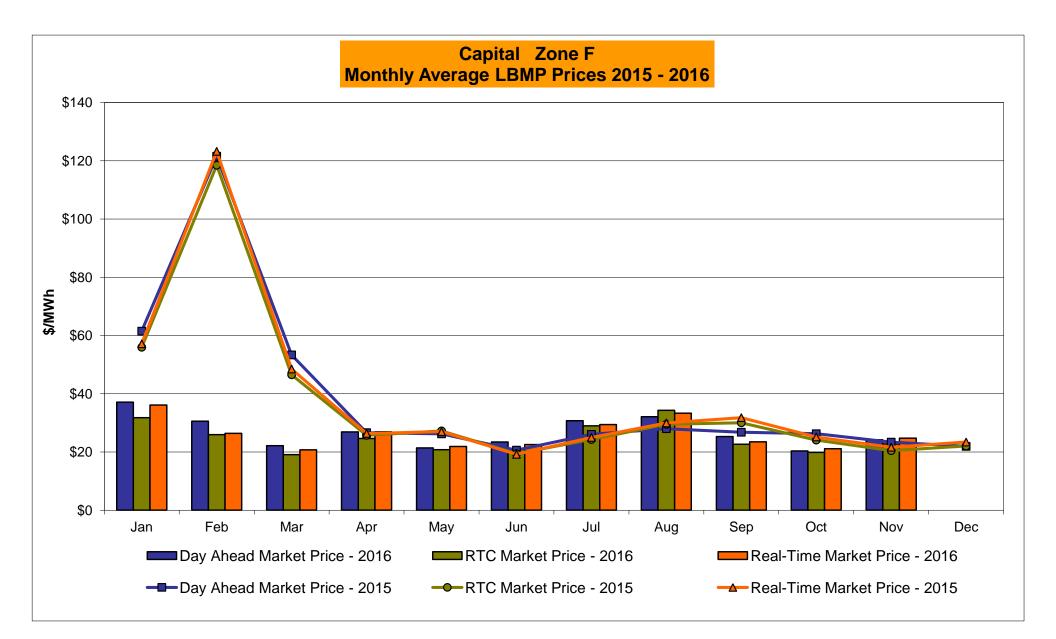
					MOHAWK		HUDSON			NEW YORK	LONG
	WEST	GENESEE	NORTH	CENTRAL	VALLEY	CAPITAL	VALLEY	MILLWOOD	DUNWOODIE	CITY	ISLAND
	Zone A	Zone B	Zone D	Zone C	Zone E	Zone F	Zone G	Zone H	<u>Zone I</u>	Zone J	Zone K
DAY AHEAD LBMP											
Unweighted Price *	21.49	20.95	20.05	21.58	21.86	24.17	25.14	25.42	25.42	25.62	28.36
Standard Deviation	7.02	6.77	6.65	6.97	7.07	6.32	7.35	7.52	7.51	7.52	9.95
RTC LBMP											
Unweighted Price *	19.40	19.72	19.47	20.54	20.94	22.76	23.15	23.27	23.24	23.47	29.81
Standard Deviation	8.20	8.49	8.65	8.79	9.01	8.48	8.61	8.64	8.59	8.57	32.63
REAL TIME LBMP											
Unweighted Price *	21.14	21.46	21.17	22.32	22.75	24.73	25.22	25.37	25.34	25.64	29.97
Standard Deviation	11.99	12.28	12.22	12.62	12.89	12.46	12.88	12.95	12.90	12.97	19.52

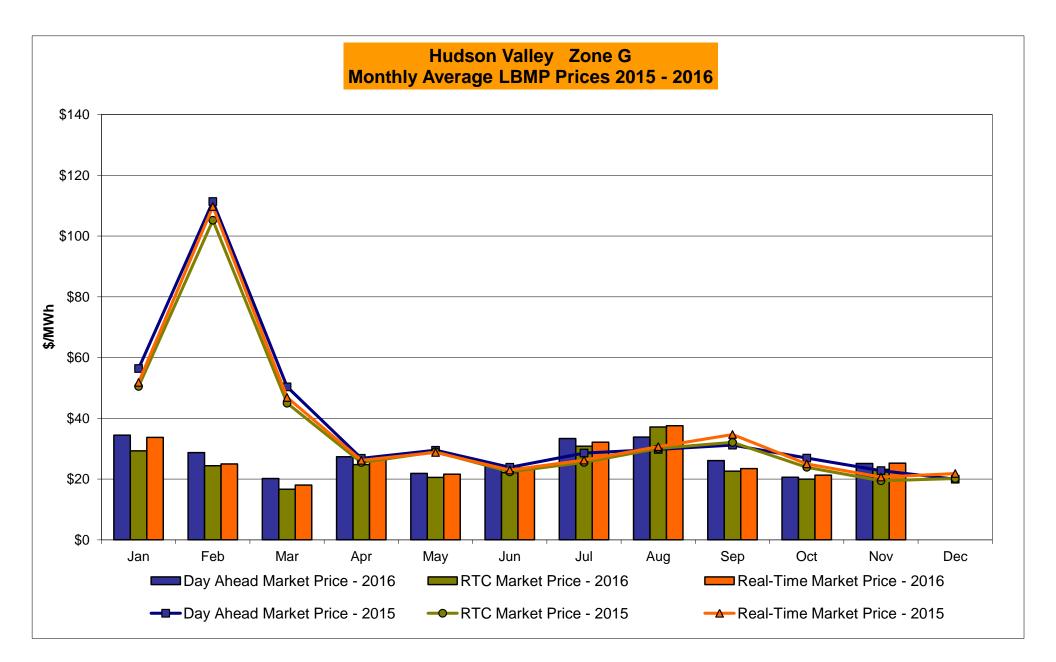
	ONTARIO IESO	HYDRO QUEBEC (Wheel)	HYDRO QUEBEC (Import/Export)	PJM	NEW ENGLAND	CROSS SOUND CABLE	NORTHPORT- NORWALK	NEPTUNE	LINDEN VFT	HUDSON	Dennison
						<u>Controllable</u>	<u>Controllable</u>	Controllable	<u>Controllable</u>	<u>Controllable</u>	<u>Controllable</u>
	<u>Zone O</u>	<u>Zone M</u>	Zone M	<u>Zone P</u>	<u>Zone N</u>	<u>Line</u>	<u>Line</u>	<u>Line</u>	<u>Line</u>	<u>Line</u>	<u>Line</u>
DAY AHEAD LBMP											
Unweighted Price *	20.20	20.21	20.21	22.73	25.08	28.31	27.72	27.05	25.10	25.59	19.20
Standard Deviation	6.46	6.80	6.80	6.60	6.77	10.09	9.48	8.73	6.81	7.53	6.28
RTC LBMP											
Unweighted Price *	19.15	19.28	19.28	20.92	24.30	30.01	29.95	27.24	22.54	23.42	18.86
Standard Deviation	8.04	8.84	8.84	7.63	11.56	35.32	35.45	20.16	7.87	8.54	8.50
REAL TIME LBMP											
Unweighted Price *	20.72	20.90	20.90	22.79	25.69	30.17	29.03	28.78	25.38	25.54	19.08
Standard Deviation	11.93	12.26	12.26	12.02	13.24	21.08	21.32	17.70	12.62	12.88	11.43

* Straight LBMP averages

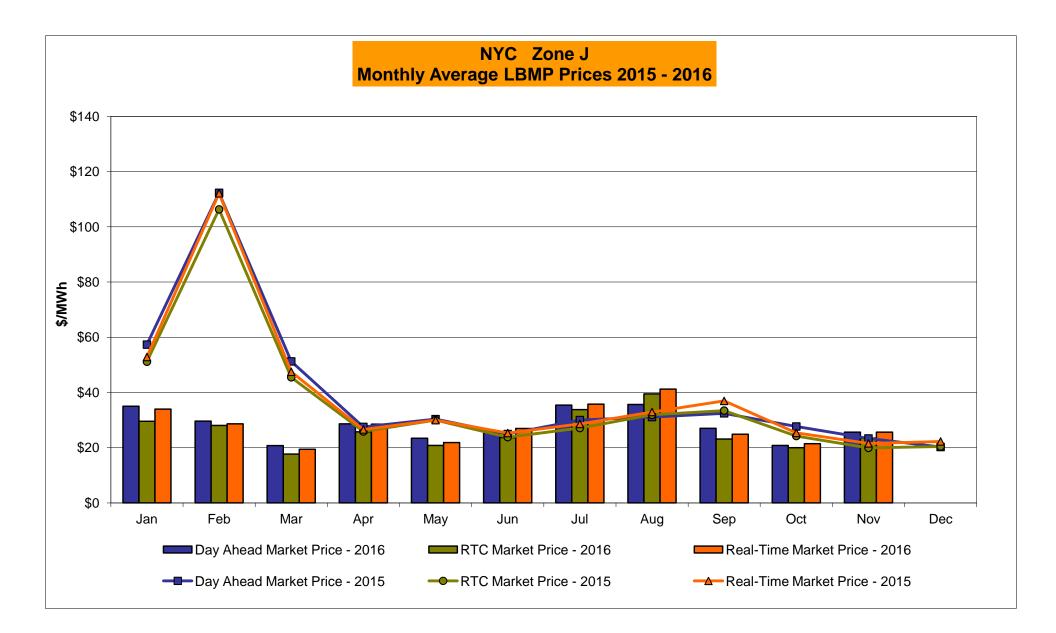




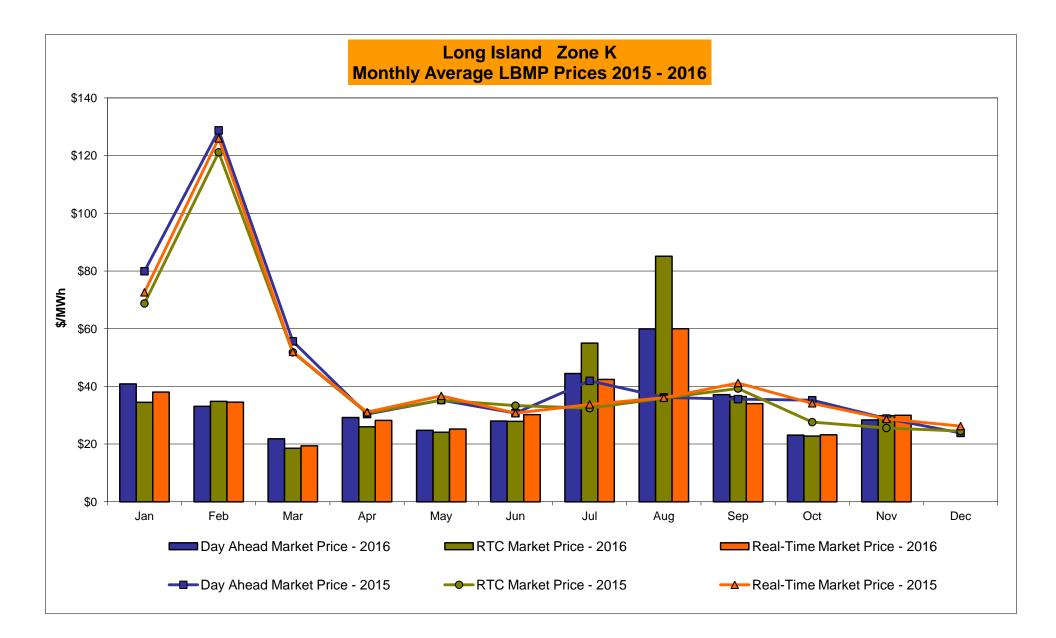


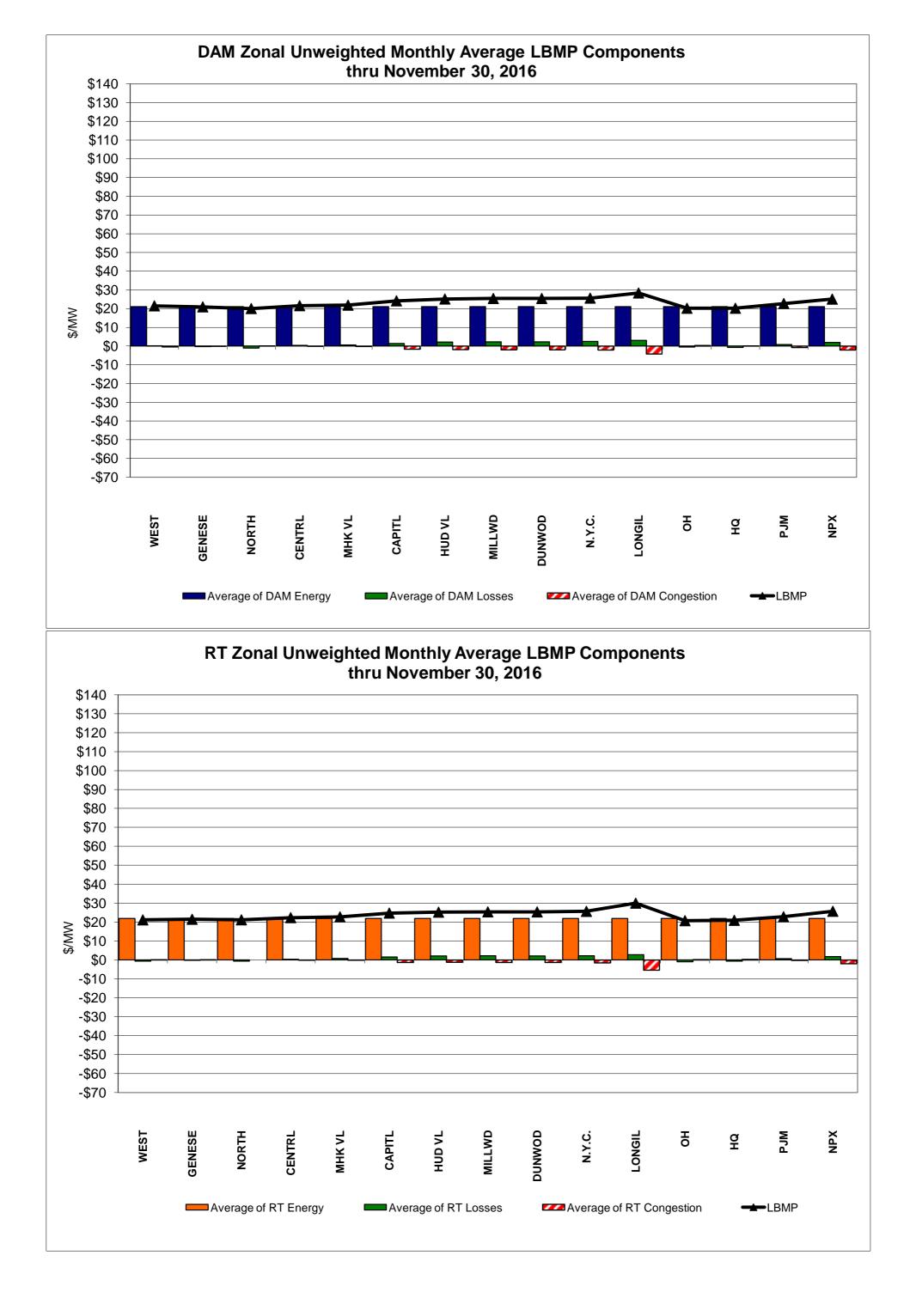


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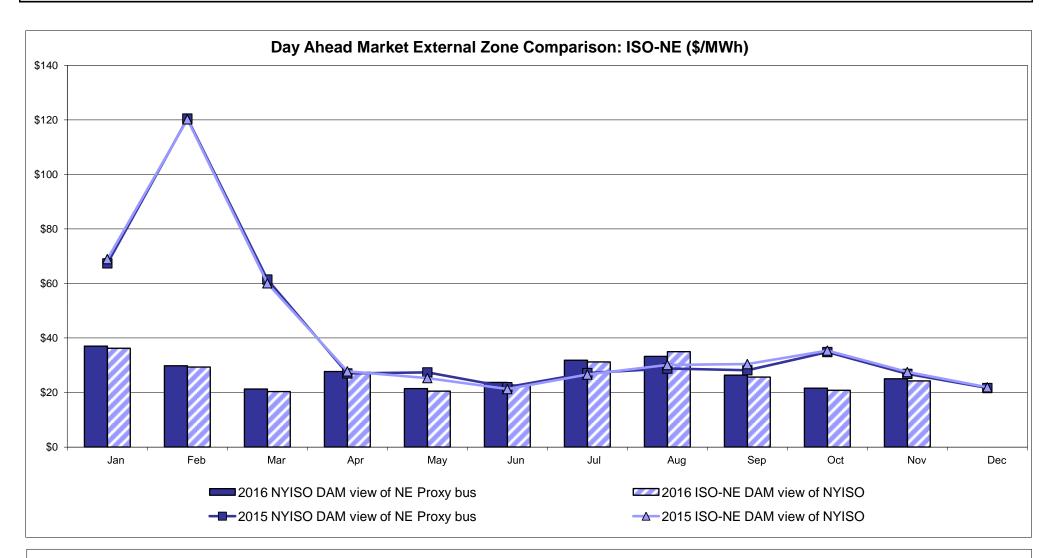
Market Mitigation and Analysis Prepared:12/8/2016 11:07 AM

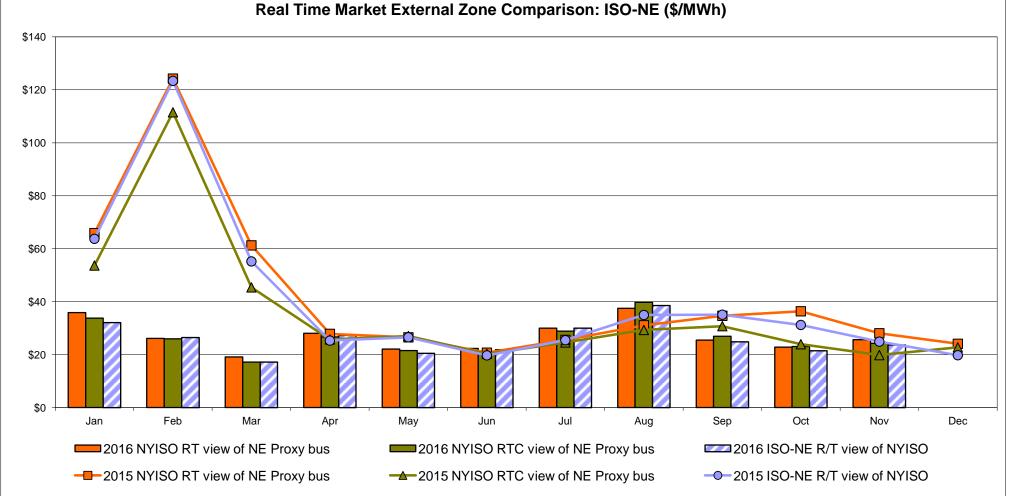


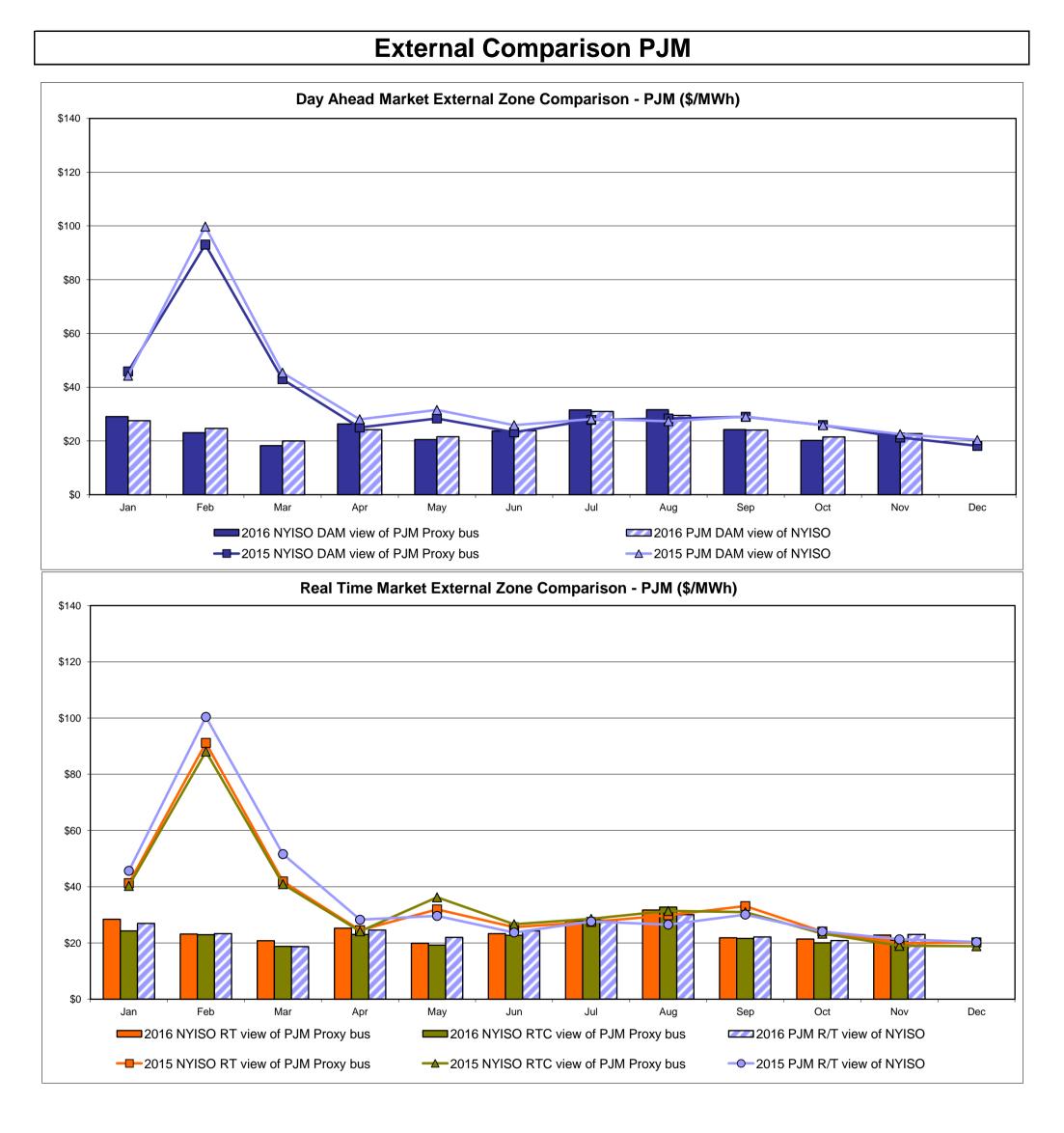


Market Mitigation and Analysis Prepared:12/7/2016 3:40 PM

External Comparison ISO-New England

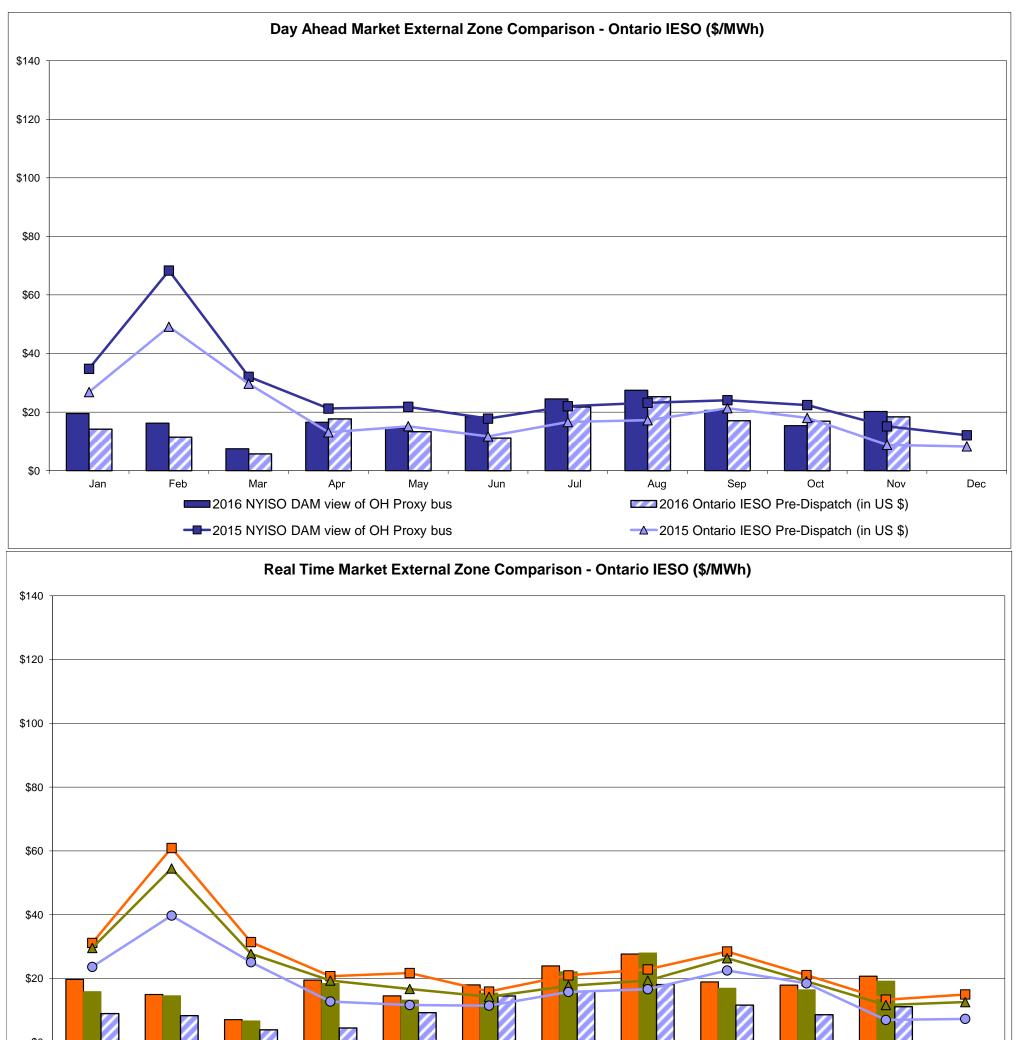






Market Mitigation and Analysis Prepared: 12/8/2016 11:07 AM

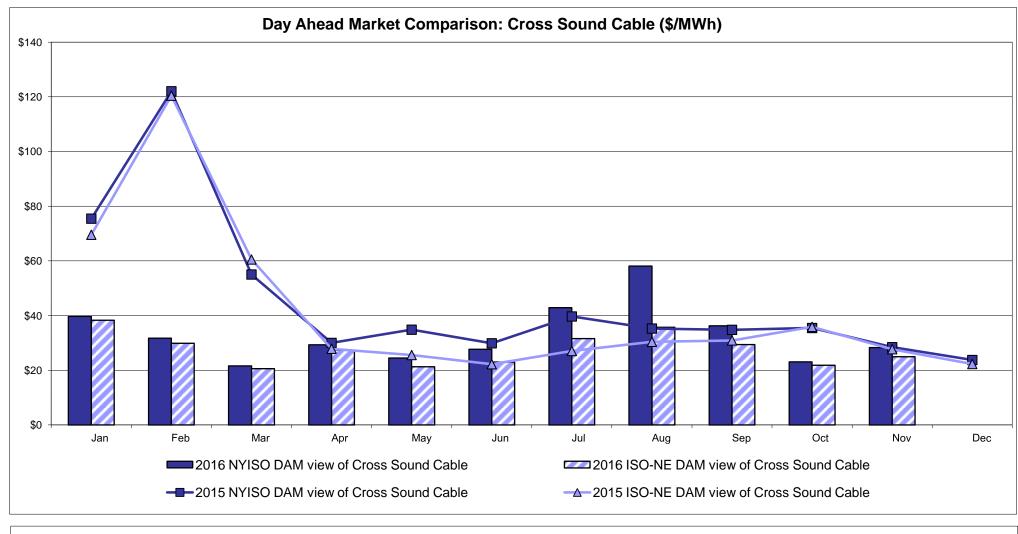
External Comparison Ontario IESO



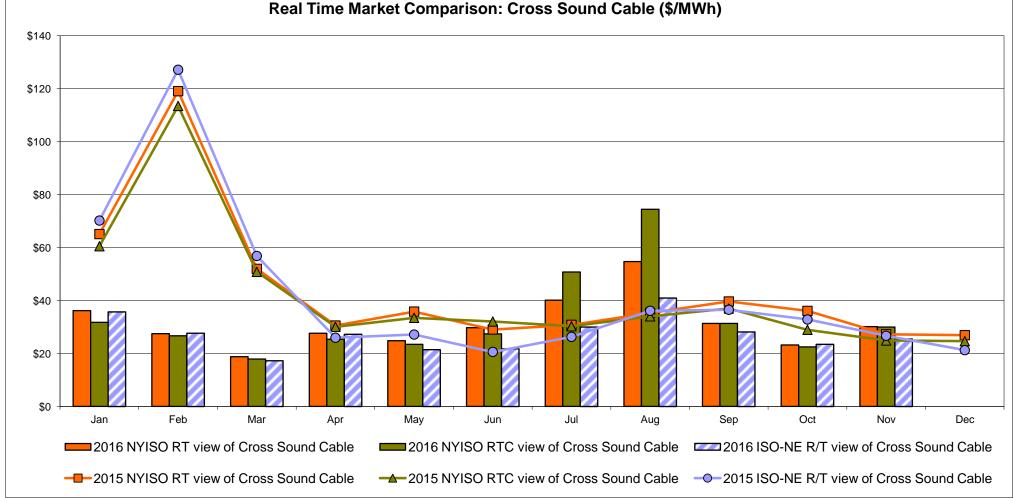


Notes: Exchange factor used for November 2016 was 0.744213738 to US HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price

> Market Mitigation and Analysis Prepared: 12/8/2016 11:07 AM



External Controllable Line: Cross Sound Cable (New England)

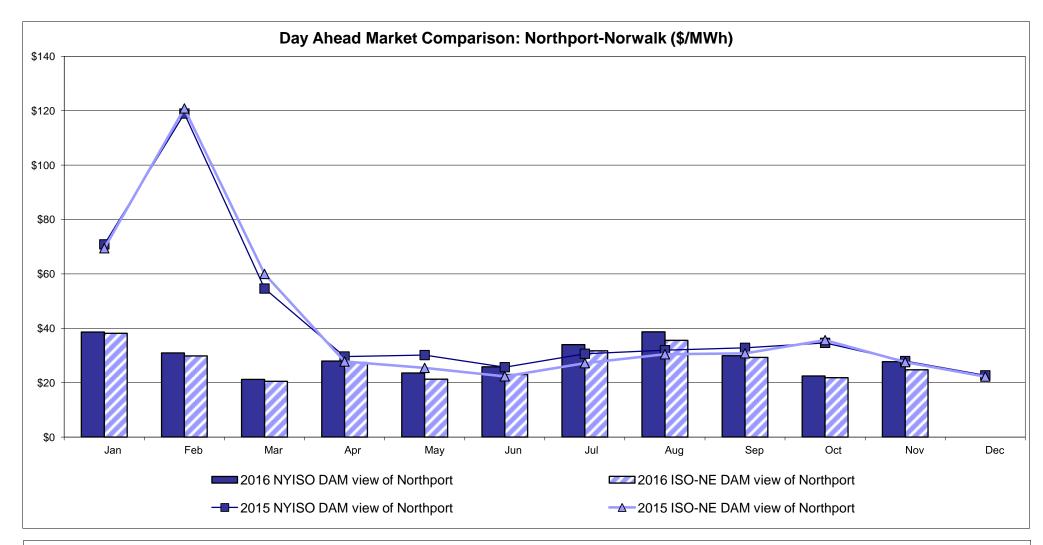


Note:

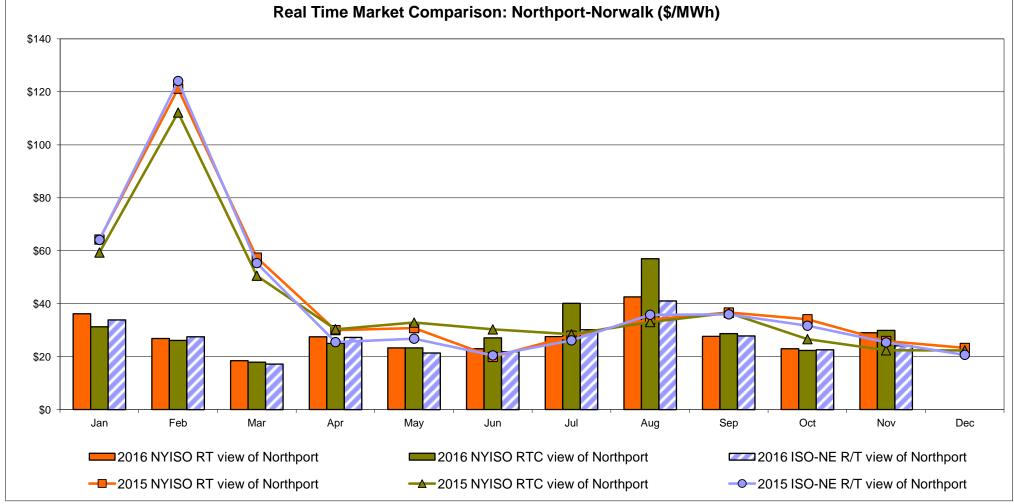
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)

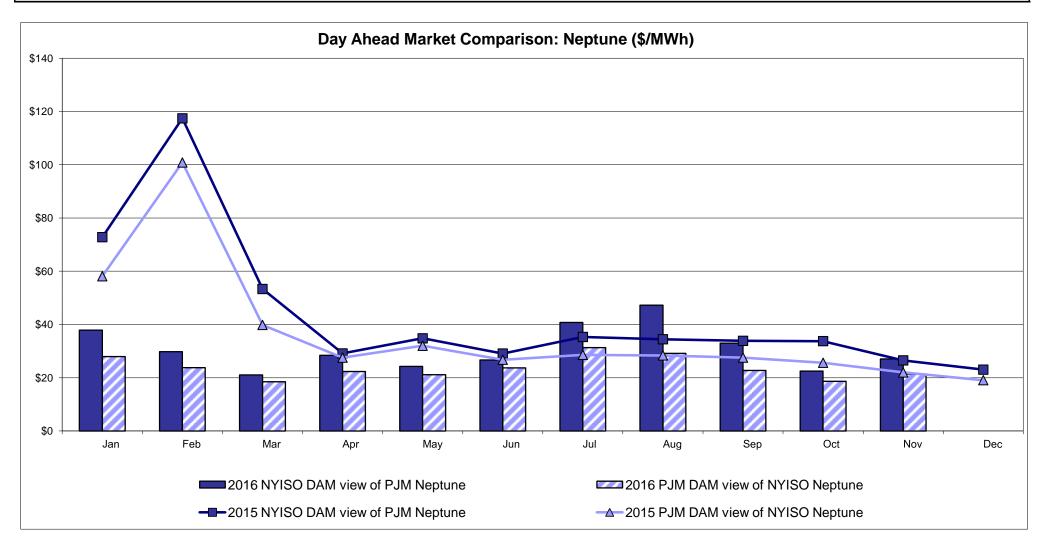


Note:

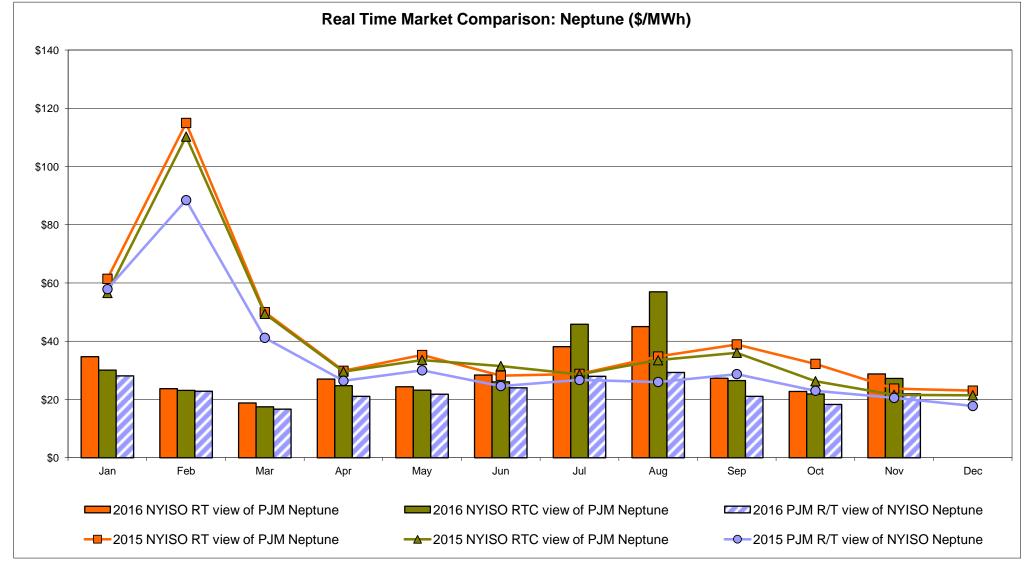
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

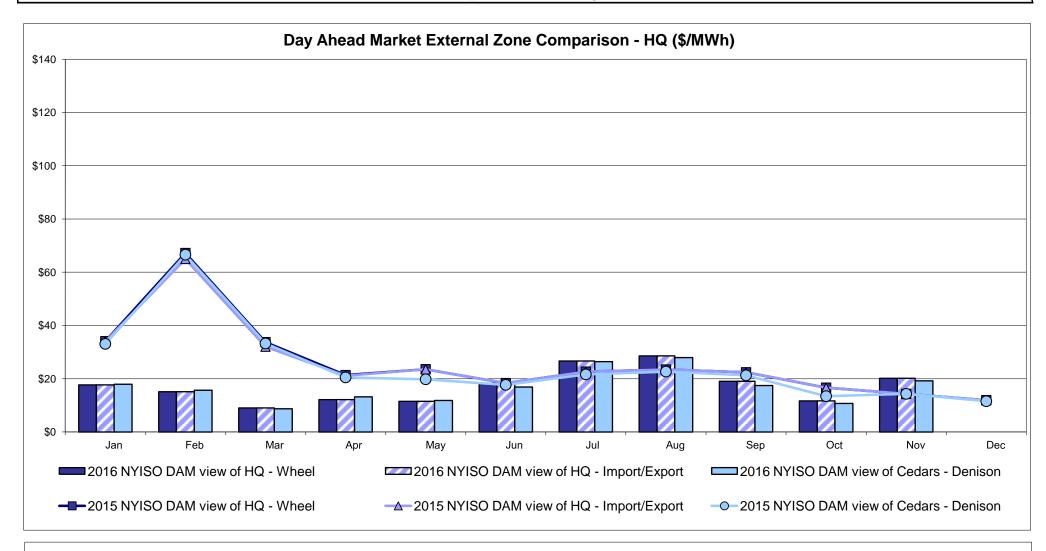
The DAM and R/T prices at the 1385 interface are used for NYISO.



External Controllable Line: Neptune (PJM)



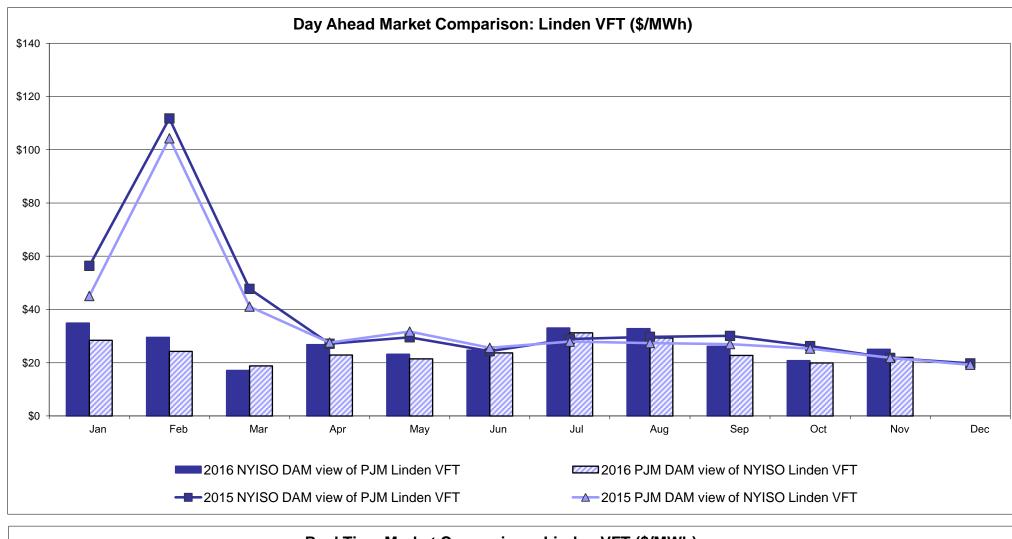
External Comparison Hydro-Quebec



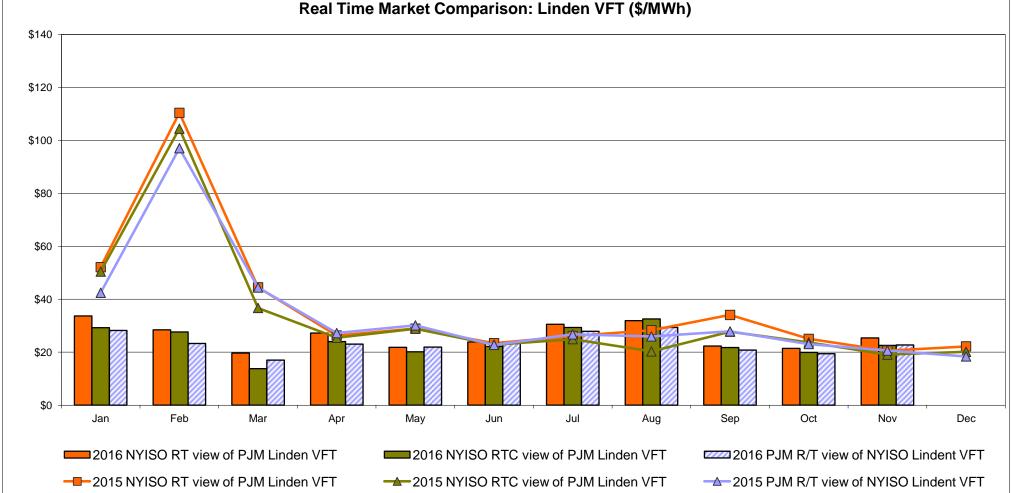
Real Time Market External Zone Comparison - HQ (\$/MWh) \$140 \$120 \$100 \$80 \$60 \$40 \$20 O \$0 Aug Jan Feb Mar Apr May Jun Jul Sep Oct Nov Dec 2016 NYISO RT view of HQ - Import/Export 2016 NYISO RT view of HQ - Wheel 2016 NYISO RT view of Cedars - Denison -2015 NYISO RT view of HQ - Import/Export -O-2015 NYISO RT view of Cedars - Denison - 2015 NYISO RT view of HQ - Wheel

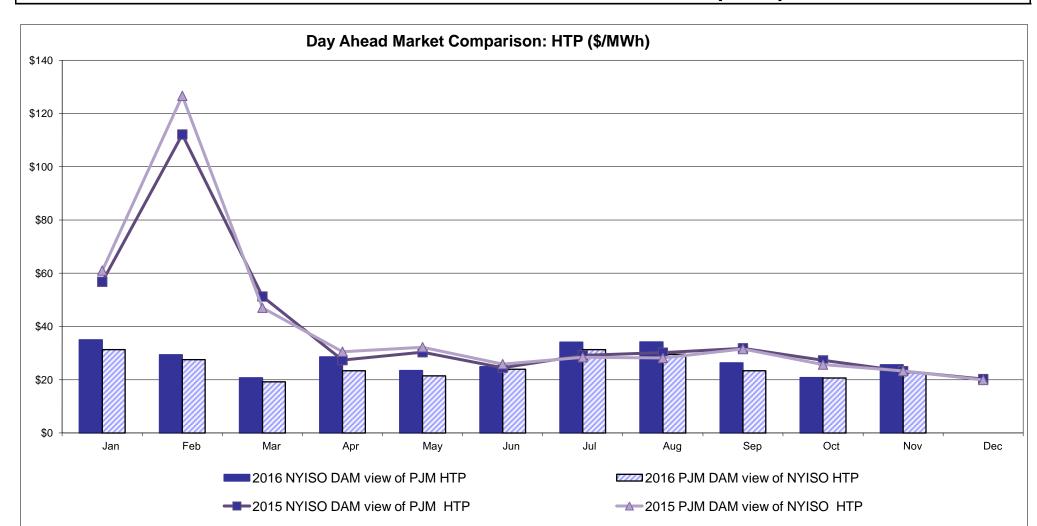
Note:

Hydro-Quebec Prices are unavailable.

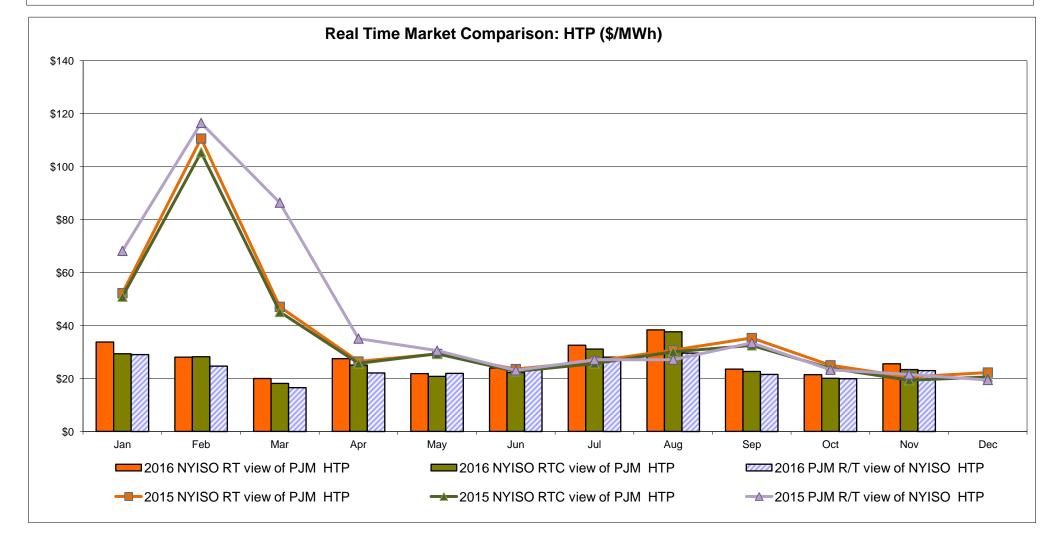


External Controllable Line: Linden VFT (PJM)





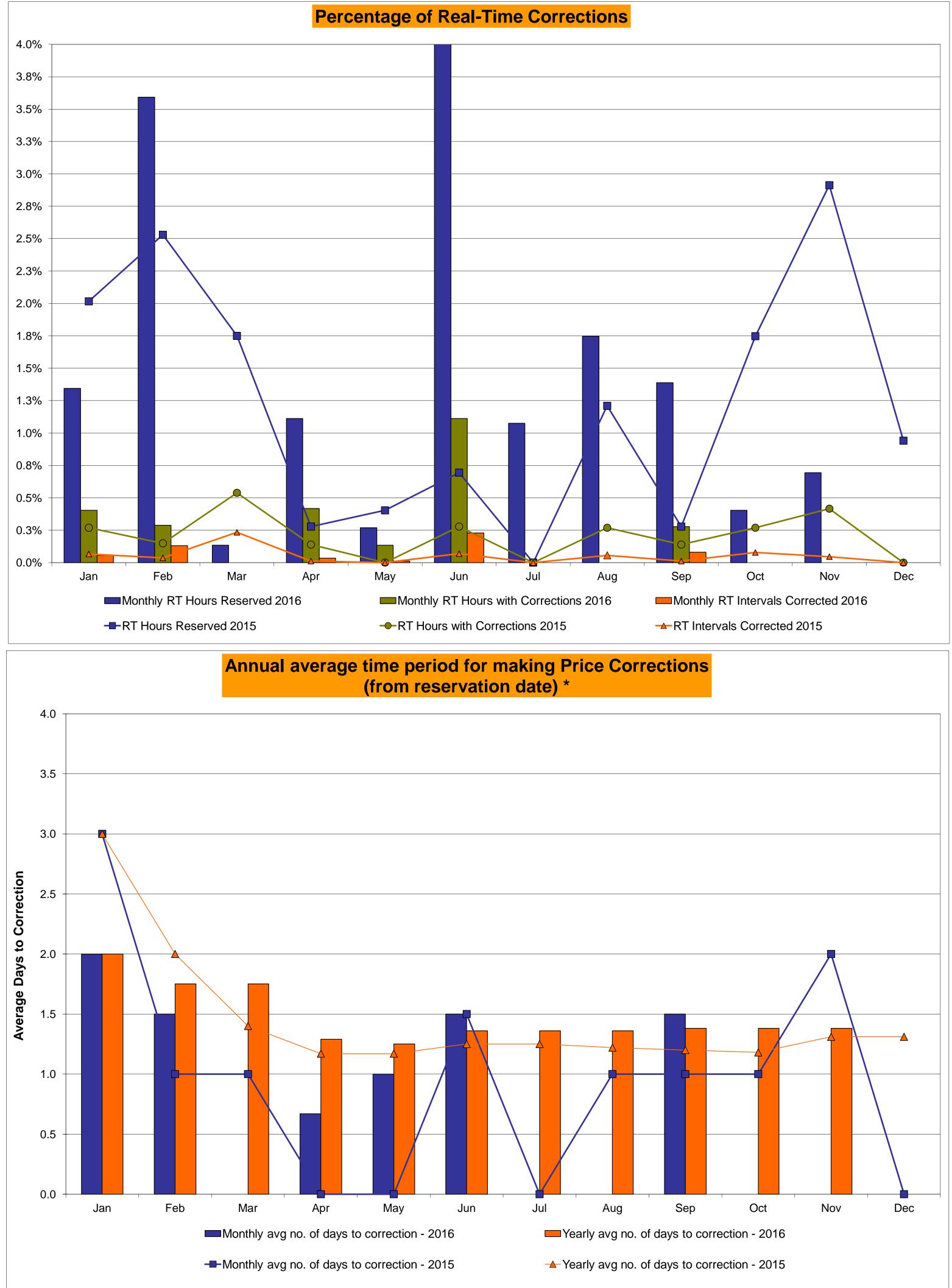
External Controllable Line: Hudson (PJM)



NYISO Real Time Price Correction Statistics

<u>2016</u>		<u>January</u>	<u>February</u>	March	April	May	<u>June</u>	<u>July</u>	<u>August</u>	September	<u>October</u>	<u>November</u>	<u>December</u>
Hour Corrections													
Number of hours with corrections	in the month	3	2	0	3	1	8	0	0	2	0	0	
Number of hours	in the month	744	696	743	720	744	720	744	744	720	744	721	
% of hours with corrections	in the month	0.40%	0.29%	0.00%	0.42%	0.13%	1.11%	0.00%	0.00%	0.28%	0.00%	0.00%	
% of hours with corrections	year-to-date	0.40%	0.35%	0.23%	0.28%	0.25%	0.39%	0.33%	0.29%	0.29%	0.26%	0.24%	
Interval Corrections													
Number of intervals corrected	in the month	5	11	0	3	1	20	0	0	7	0	0	
Number of intervals	in the month	9,000	8,440	8,995	8,724	8,987	8,725	9,038	9,048	8,713	8,960	8,724	
% of intervals corrected	in the month	0.06%	0.13%	0.00%	0.03%	0.01%	0.23%	0.00%	0.00%	0.08%	0.00%	0.00%	
% of intervals corrected	year-to-date	0.06%	0.09%	0.06%	0.05%	0.05%	0.08%	0.06%	0.06%	0.06%	0.05%	0.05%	
Hours Reserved													
Number of hours reserved	in the month	10	25	1	8	2	32	8	13	10	3	5	
Number of hours	in the month	744	696	743	720	744	720	744	744	720	744	721	
% of hours reserved	in the month	1.34%	3.59%	0.13%	1.11%	0.27%	4.44%	1.08%	1.75%	1.39%	0.40%	0.69%	
% of hours reserved	year-to-date	1.34%	2.43%	1.65%	1.52%	1.26%	1.79%	1.68%	1.69%	1.66%	1.53%	1.46%	
Days to Correction *	•												
Avg. number of days to correction	in the month	2.00	1.50	0.00	0.67	1.00	1.50	0.00	0.00	1.50	0.00	0.00	
Avg. number of days to correction	year-to-date	2.00	1.75	1.75	1.29	1.25	1.36	1.36	1.36	1.38	1.38	1.38	
Days Without Corrections													
Days without corrections	in the month	29	27	31	27	30	24	31	31	28	31	30	
Days without corrections	year-to-date	29	56	87	114	144	168	199	230	258	289	319	
2015		January	February	March	April	May	June	Julv	August	September	October	November	December
2015 Hour Corrections		<u>January</u>	February	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	November	<u>December</u>
Hour Corrections	in the month				<u>April</u> 1					<u>September</u> 1			
Hour Corrections Number of hours with corrections	in the month	2	1	4	1	0	2	0	2	1	2	3	0
Hour Corrections	in the month in the month in the month	2 744	1 672	4 743	1 720	0 744	2 720	0 744	2 744	1 720	2 744	3 721	0 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections	in the month in the month	2 744 0.27%	1 672 0.15%	4 743 0.54%	1 720 0.14%	0 744 0.00%	2 720 0.28%	0 744 0.00%	2 744 0.27%	1 720 0.14%	2 744 0.27%	3 721 0.42%	0 744 0.00%
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections	in the month	2 744	1 672	4 743	1 720	0 744	2 720	0 744	2 744	1 720	2 744	3 721	0 744
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections	in the month in the month year-to-date	2 744 0.27% 0.27%	1 672 0.15% 0.21%	4 743 0.54% 0.32%	1 720 0.14%	0 744 0.00% 0.22%	2 720 0.28% 0.23%	0 744 0.00% 0.20%	2 744 0.27% 0.21%	1 720 0.14%	2 744 0.27% 0.21%	3 721 0.42% 0.22%	0 744 0.00% 0.21%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals corrected	in the month in the month year-to-date in the month	2 744 0.27% <u>0.27%</u> 6	1 672 0.15% <u>0.21%</u> 3	4 743 0.54% <u>0.32%</u> 21	1 720 0.14% <u>0.28%</u> 1	0 744 0.00% 0.22% 0	2 720 0.28% 0.23%	0 744 0.00% <u>0.20%</u> 0	2 744 0.27% <u>0.21%</u> 5	1 720 0.14% <u>0.20%</u> 1	2 744 0.27% <u>0.21%</u> 7	3 721 0.42% <u>0.22%</u> 4	0 744 0.00% <u>0.21%</u> 0
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals	in the month in the month year-to-date in the month in the month	2 744 0.27% 0.27% 6 9,066	1 672 0.15% <u>0.21%</u> 3 8,231	4 743 0.54% <u>0.32%</u> 21 9,005	1 720 0.14% <u>0.28%</u> 1 8,696	0 744 0.00% <u>0.22%</u> 0 9,032	2 720 0.28% 0.23% 6 8,731	0 744 0.00% <u>0.20%</u> 0 9,025	2 744 0.27% 0.21% 5 8,987	1 720 0.14% 0.20% 1 8,728	2 744 0.27% 0.21% 7 9,008	3 721 0.42% 0.22% 4 8,743	0 744 0.00% <u>0.21%</u> 0 8,975
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber 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	2 744 0.27% <u>0.27%</u> 6 9,066 0.07%	1 672 0.15% 0.21% 3 8,231 0.04%	4 743 0.54% <u>0.32%</u> 21 9,005 0.23%	1 720 0.14% 0.28% 1 8,696 0.01%	0 744 0.00% 0.22% 0 9,032 0.00%	2 720 0.28% 0.23% 6 8,731 0.07%	0 744 0.00% 0.20% 0 9,025 0.00%	2 744 0.27% 0.21% 5 8,987 0.06%	1 720 0.14% <u>0.20%</u> 1 8,728 0.01%	2 744 0.27% 0.21% 7 9,008 0.08%	3 721 0.42% 0.22% 4 8,743 0.05%	0 744 0.00% <u>0.21%</u> 0 8,975 0.00%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals corrected% of intervals corrected% of intervals corrected	in the month in the month year-to-date in the month in the month	2 744 0.27% 0.27% 6 9,066	1 672 0.15% <u>0.21%</u> 3 8,231	4 743 0.54% <u>0.32%</u> 21 9,005	1 720 0.14% <u>0.28%</u> 1 8,696	0 744 0.00% <u>0.22%</u> 0 9,032	2 720 0.28% 0.23% 6 8,731	0 744 0.00% <u>0.20%</u> 0 9,025	2 744 0.27% 0.21% 5 8,987	1 720 0.14% 0.20% 1 8,728	2 744 0.27% 0.21% 7 9,008	3 721 0.42% 0.22% 4 8,743	0 744 0.00% <u>0.21%</u> 0 8,975
Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected % of intervals corrected Hours Reserved	in the month in the month year-to-date in the month in the month in the month year-to-date	2 744 0.27% 0.27% 6 9,066 0.07% 0.07%	1 672 0.15% <u>0.21%</u> 3 8,231 0.04% 0.05%	4 743 0.54% <u>0.32%</u> 21 9,005 0.23% 0.11%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07%	0 744 0.00% 0.20% 0 9,025 0.00% 0.06%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06%	1 720 0.14% <u>0.20%</u> 1 8,728 0.01% 0.05%	2 744 0.27% <u>0.21%</u> 7 9,008 0.08% 0.06%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06%	0 744 0.00% <u>0.21%</u> 0 8,975 0.00%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals correctedNumber of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17	4 743 0.54% <u>0.32%</u> 21 9,005 0.23% <u>0.11%</u> 13	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5	0 744 0.00% 0.20% 9,025 0.00% 0.06%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2	2 744 0.27% 0.21% 7 9,008 0.08% 0.08% 0.06%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21	0 744 0.00% <u>0.21%</u> 0 8,975 0.00% <u>0.05%</u> 7
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedNumber of hours reservedNumber of hours reservedNumber of hours	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0 744	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721	0 744 0.00% <u>0.21%</u> 0 8,975 0.00% <u>0.05%</u> 7 744
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals correctedNumber of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17	4 743 0.54% <u>0.32%</u> 21 9,005 0.23% <u>0.11%</u> 13	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5	0 744 0.00% 0.20% 9,025 0.00% 0.06%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2	2 744 0.27% 0.21% 7 9,008 0.08% 0.08% 0.06%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21	0 744 0.00% <u>0.21%</u> 0 8,975 0.00% <u>0.05%</u> 7
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of hours reservedNumber of hours% of hours reserved% of hours reserved% of hours reserved% of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0 744	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721	0 744 0.00% <u>0.21%</u> 0 8,975 0.00% <u>0.05%</u> 7 744
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsMumber of intervals correctedNumber of intervals corrected% of hours reservedNumber of hours reserved% of hours reserved% of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month in the month in the month	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720 0.69%	0 744 0.00% 0.20% 9,025 0.00% 0.06% 0 744 0.00%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744 1.21%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91%	0 744 0.00% <u>0.21%</u> 0 8,975 0.00% <u>0.05%</u> 7 744 0.94%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of hours reservedNumber of hours% of hours reserved% of hours reserved% of hours reserved% of hours reserved	in the month in the month year-to-date in the month in the month year-to-date in the month in the month in the month in the month in the month	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 0.07% 5 720 0.69% 1.27% 1.50	0 744 0.00% 0.20% 9,025 0.00% 0.06% 0.06% 1.08% 0.00	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 0.06% 9 744 1.21% 1.10% 1.10%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91% 1.25% 2.00	0 744 0.00% <u>0.21%</u> 0 8,975 0.00% <u>0.05%</u> 7 744 0.94%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reserved% of hours reserved	in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month year-to-date	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02% 2.02%	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53% 2.26%	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75% 2.08%	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28% 1.63%	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40% 1.38%	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 5 720 0.69% 1.27%	0 744 0.00% 0.20% 9,025 0.00% 0.06% 0 744 0.00% 1.08%	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 9 744 1.21% 1.10%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28% 1.01%	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75% 1.08%	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91% 1.25%	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94% 1.22%
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reserved% of hours reservedDays to Correction *Avg. number of days to correctionAvg. number of days to correctionDays 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 in the month in the month in the month in the month	2 744 0.27% 0.27% 0.27% 6 9,066 0.07% 0.07% 0.07% 15 744 2.02% 2.02% 3.00 3.00 3.00	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53% 2.26% 1.00 2.00	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75% 2.08% 1.00 1.40	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28% 1.63% 0.00	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40% 1.38% 0.00	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 0.07% 5 720 0.69% 1.27% 1.50	0 744 0.00% 0.20% 9,025 0.00% 0.06% 0.06% 1.08% 0.00	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 0.06% 9 744 1.21% 1.10% 1.10%	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28% 1.01% 1.00	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75% 1.08% 1.00	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91% 1.25% 2.00	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94% 1.22% 0.00 1.31
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reservedNumber of hours reserved% of hours reservedDays to Correction *Avg. number of days to correctionAvg. number of days to correctionDays without CorrectionsDays 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 in the month year-to-date in the month year-to-date in the month	2 744 0.27% 0.27% 6 9,066 0.07% 0.07% 15 744 2.02% 2.02% 3.00 3.00 3.00	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53% 2.26% 1.00 2.00 27	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75% 2.08% 1.00 1.40 28	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28% 1.63% 0.00 1.17 29	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40% 1.38% 0.00 1.17 31	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 0.07% 5 720 0.69% 1.27% 1.50 1.25 28	0 744 0.00% 0.20% 0 9,025 0.00% 0.06% 0.06% 0.06% 1.08% 0.00% 1.08% 0.00 1.25 31	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 0.06% 9 744 1.21% 1.10% 1.10% 1.22 30	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28% 1.01% 1.00 1.20 29	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75% 1.08% 1.08% 1.00 1.18 30	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91% 1.25% 2.00 1.31 28	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94% 1.22% 0.00 1.31 31
Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of hours reservedNumber of hours reserved% of hours reservedDays to Correction *Avg. number of days to correctionAvg. number of days to correctionDays 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 in the month year-to-date in the month year-to-date	2 744 0.27% 0.27% 0.27% 6 9,066 0.07% 0.07% 0.07% 15 744 2.02% 2.02% 3.00 3.00 3.00	1 672 0.15% 0.21% 3 8,231 0.04% 0.05% 17 672 2.53% 2.26% 1.00 2.00	4 743 0.54% 0.32% 21 9,005 0.23% 0.11% 13 743 1.75% 2.08% 1.00 1.40	1 720 0.14% 0.28% 1 8,696 0.01% 0.09% 2 720 0.28% 1.63% 0.00 1.17	0 744 0.00% 0.22% 0 9,032 0.00% 0.07% 3 744 0.40% 1.38% 0.00 1.17	2 720 0.28% 0.23% 6 8,731 0.07% 0.07% 0.07% 5 720 0.69% 1.27% 1.50 1.25	0 744 0.00% 0.20% 9,025 0.00% 0.06% 0.06% 1.08% 0.00 1.25	2 744 0.27% 0.21% 5 8,987 0.06% 0.06% 0.06% 9 744 1.21% 1.10% 1.10% 1.22	1 720 0.14% 0.20% 1 8,728 0.01% 0.05% 2 720 0.28% 1.01% 1.00 1.20	2 744 0.27% 0.21% 7 9,008 0.08% 0.06% 13 744 1.75% 1.08% 1.00 1.18	3 721 0.42% 0.22% 4 8,743 0.05% 0.06% 21 721 2.91% 1.25% 2.00 1.31	0 744 0.00% 0.21% 0 8,975 0.00% 0.05% 7 744 0.94% 1.22% 0.00 1.31

* Calendar days from reservation date.

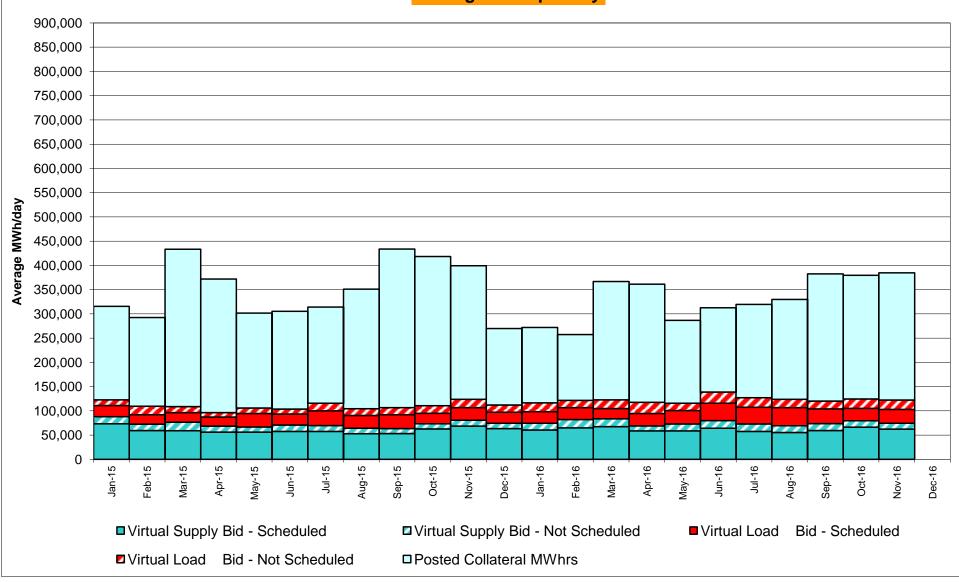


* Calendar days from reservation date.

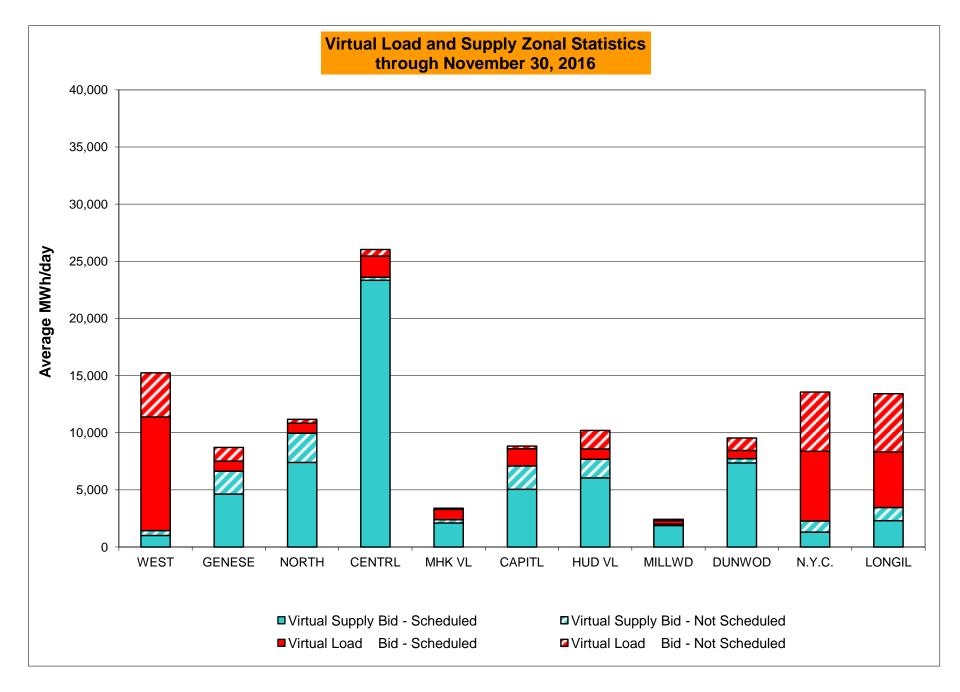
Market Mitigation and Analysis Prepared: 12/7/2016 3:41 PM

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NYISO Virtual Trading Average MWh per day



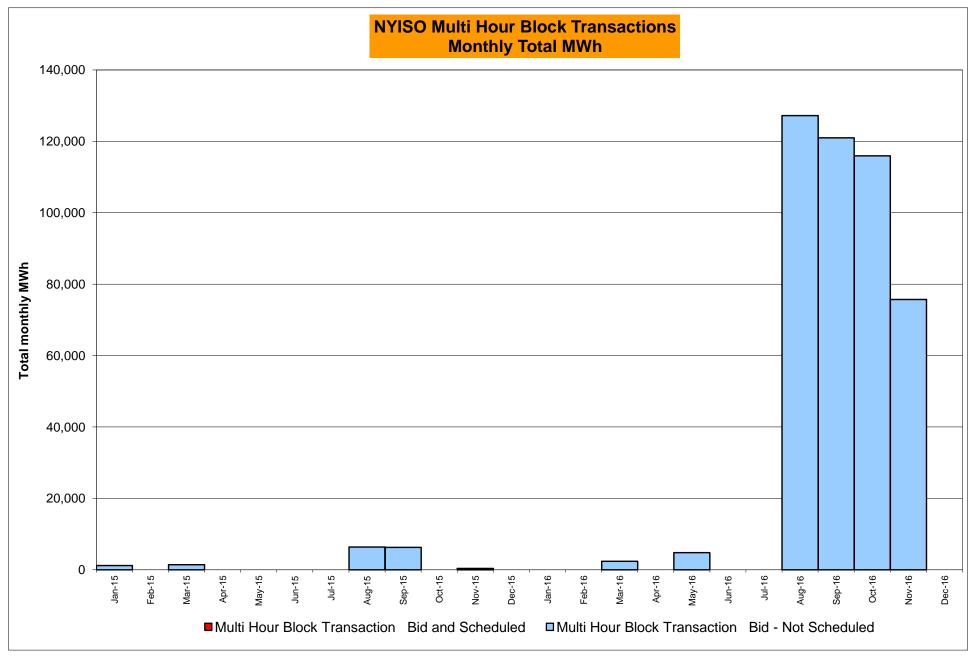
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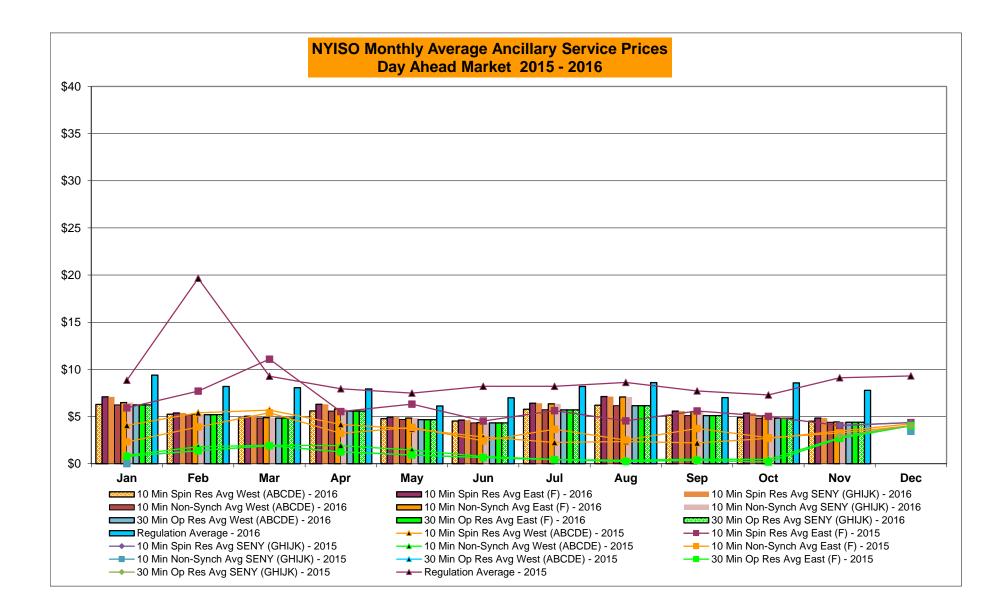
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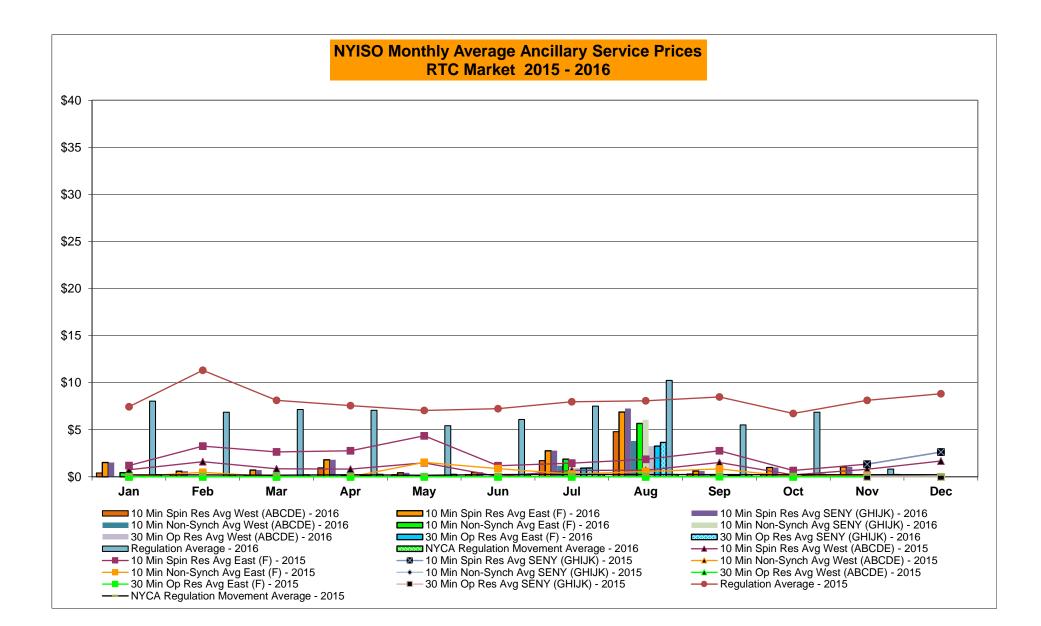
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2016

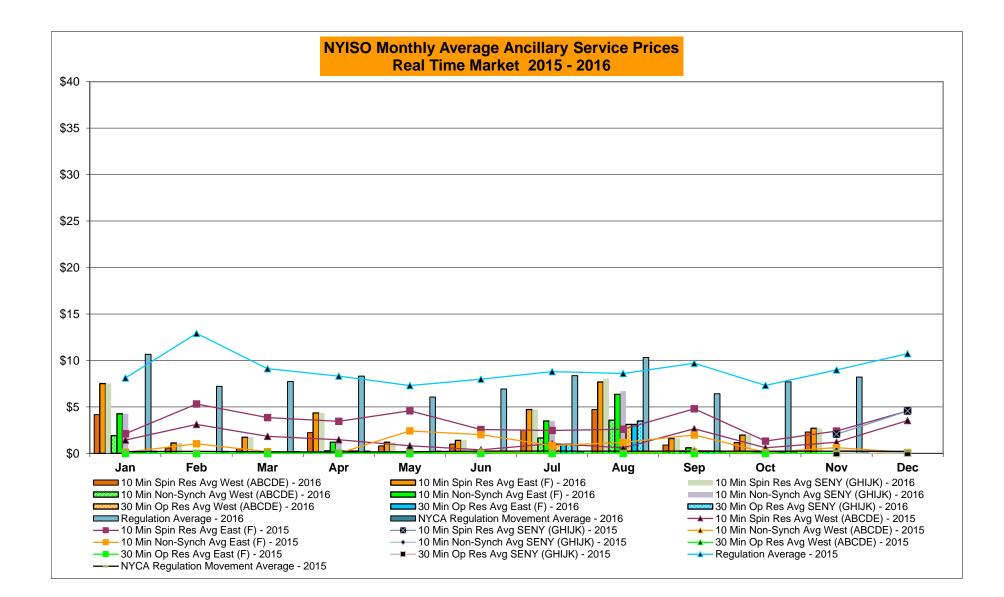
		Virtual L	.oad Bid	Virtual S	upply Bid			Virtual L	oad Bid	Virtual Su	pply Bid			Virtual L	oad Bid	Virtual Su	ipply Bid
			Not		Not				Not		Not				Not		Not
Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled	Zone	Date	Scheduled	Scheduled	Scheduled	Scheduled
WEST	Jan-16	8,416		2,862	419	MHK VL	Jan-16		92	2,024	146	DUNWOD	Jan-16	402		3,262	
	Feb-16	7,967	3,554	2,706	521		Feb-16		80	2,329	611		Feb-16	803		3,555	269
	Mar-16	7,947		2,564	720		Mar-16		49	2,695	931		Mar-16	460		4,207	304
	Apr-16	11,544	10,793	1,645	263		Apr-16		55	2,236	317		Apr-16	277	48	4,840	
	May-16	8,896		2,511	678		May-16		33	2,036	588		May-16	660		6,261	431
	Jun-16	13,365	10,864	1,364	609		Jun-16		139	2,887	447		Jun-16	996	208	4,433	347
	Jul-16	8,357	6,943	2,167	612		Jul-16		123	3,170	244 144		Jul-16	1,953	578	4,363	313
	Aug-16	9,364 8,425	5,185 4,437	1,663 717	391 386		Aug-16		52 68	2,517 2,453	345		Aug-16	2,194 1,617	450 1,167	5,201 4,907	174 386
	Sep-16 Oct-16	8,237	7,148	979	361		Sep-16 Oct-16		71	2,455	548		Sep-16 Oct-16	434	274	4,907 6,221	404
	Nov-16	9,946		1,008	425		Nov-16		111	2,331	297		Nov-16	721	1,089	7,358	
	Dec-16	3,340	5,001	1,000	423		Dec-16		111	2,100	231		Dec-16	721	1,003	7,550	
	Dec-10						Dec-10						Dec-10				
GENESE	Jan-16	1,030		3,868	2,421	CAPITL	Jan-16		1,472	4,568	3,470	N.Y.C.	Jan-16	2,862	4,976	2,531	648
	Feb-16	795		3,461	3,707		Feb-16	,	684	5,140	3,581		Feb-16	3,281	4,752	2,390	403
	Mar-16	824		5,340	3,764		Mar-16		238	5,023	2,071		Mar-16	1,838	4,229	1,239	748
	Apr-16	448		6,028	1,718		Apr-16		198	6,433	1,645		Apr-16	3,263		1,221	336
	May-16	411		3,793	2,664		May-16		251	5,843	2,876		May-16	4,517	3,352	1,425	
	Jun-16	501		4,945	2,340		Jun-16		119	6,428	4,625		Jun-16		3,847	930	
	Jul-16	615		3,785	2,492		Jul-16		271	5,755	3,969		Jul-16	10,899	3,980	692	341
	Aug-16	576		3,626	2,944		Aug-16		274	5,085	3,917		Aug-16	12,696	3,433	599	363 539
	Sep-16	533		5,036	2,580		Sep-16		271 357	4,145	2,965 2,720		Sep-16	9,145	3,857	1,003	539 685
	Oct-16 Nov-16	539 885		4,989 4,632	2,181 2,007		Oct-16 Nov-16		242	5,744 5,052	2,720		Oct-16 Nov-16	5,688 6,099	4,372 5,188	1,480 1,302	
	Dec-16	000	1,130	4,002	2,007		Dec-16		272	3,032	2,044		Dec-16	0,033	5,100	1,502	512
NODTU		074	040	7.000	0.040				4 000	0 700	0.000		1	0.450	0.704	700	005
NORTH	Jan-16	274	312 215	7,038	3,010	HUD VL	Jan-16		1,609	6,763 9,550	2,202	LONGIL	Jan-16 Feb-16	6,153	3,761	700 814	
	Feb-16 Mar-16	499 338		7,169 6,127	3,894 4,874		Feb-16 Mar-16		1,135 510		3,078			6,539	3,211		
	Apr-16	666		8,237	3,363		Apr-16		1,176	10,835 9,231	1,568 1,566		Mar-16 Apr-16	6,305 5,087	3,906 4,696	1,090 1,511	215
	May-16	556		6,029	4,034		May-16		911	6,686	1,490		May-16		4,419	1,311	431
	Jun-16			7,892	4,126		Jun-16		1,684	7,583	1,398		Jun-16	7,178		1,377	786
	Jul-16	517		5,791	3,043		Jul-16		1,290	5,809	2,344		Jul-16	5,383		1,195	
	Aug-16	630		6,066	2,521		Aug-16		1,663	4,961	1,948		Aug-16			1,395	1,259
	Sep-16			7,162	3,455		Sep-16		932	6,164	1,529		Sep-16	4,604	4,432	1,590	
	Oct-16	943		6,540	3,851		Oct-16		1,278	6,814	879		Oct-16	4,439		2,264	1,076
	Nov-16	870		7,398	2,575		Nov-16	899	1,618	6,046	1,641		Nov-16	4,851	5,097	2,306	
	Dec-16						Dec-16						Dec-16				
CENTRL	Jan-16	954	502	25,792	259	MILLWD	Jan-16	304	114	1,211	60	NYISO	Jan-16	24,086	18,132	60,619	13,680
	Feb-16			26,176	301		Feb-16			1,477	100		Feb-16	24,407	15,096	64,766	
	Mar-16	1,076		26,818	564		Mar-16			1,462	239		Mar-16	21,332		67,399	
	Apr-16	1,124	159	15,555	284		Apr-16	186	26	1,913	101		Apr-16	25,563	23,182	58,849	9,998
	May-16	2,369	250	21,046	367		May-16	471	121	1,743	264		May-16	27,763	15,021	58,704	14,296
	Jun-16	2,285	469	23,910	277		Jun-16		121	2,582	449		Jun-16	35,754	23,031	64,331	15,648
	Jul-16	2,117		22,271	529		Jul-16		103	2,732	238		Jul-16	34,388	19,583	57,728	15,341
	Aug-16			21,918	187		Aug-16		234	2,267	104		Aug-16		17,244	55,297	13,952
	Sep-16			24,400	529		Sep-16		219	1,955	121		Sep-16		16,083	59,531	13,992
	Oct-16	1,496		26,480	238		Oct-16		117	1,889	239		Oct-16		19,305	66,329	
	Nov-16	1,856	571	23,341	263		Nov-16		114	1,886	108		Nov-16	28,831	19,413	62,433	11,854
	Dec-16						Dec-16						Dec-16				1



Market Mitigation and Analysis Prepared: 12/7/2016 3:40 PM





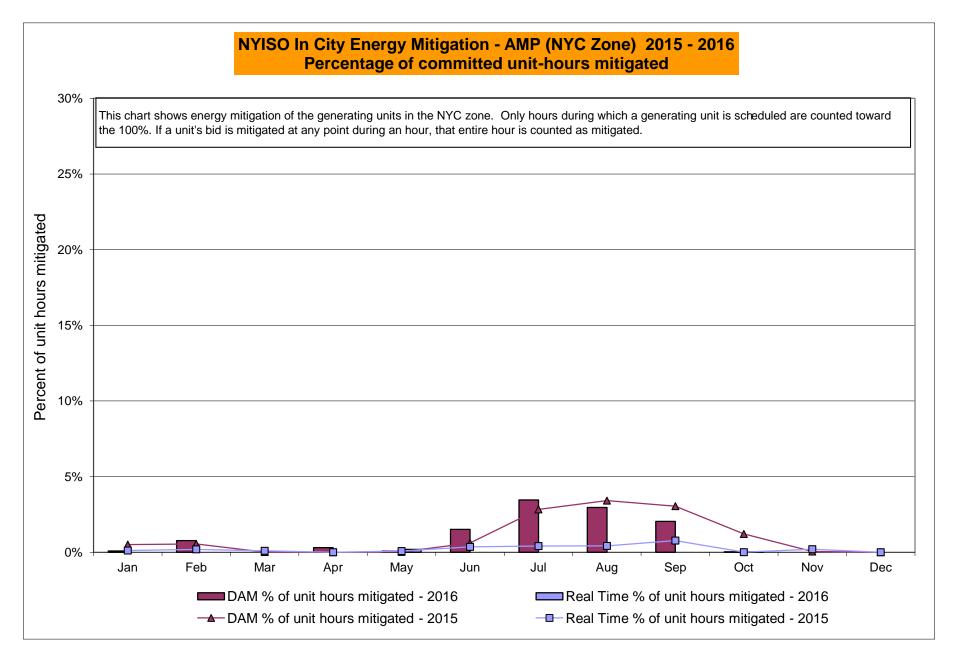


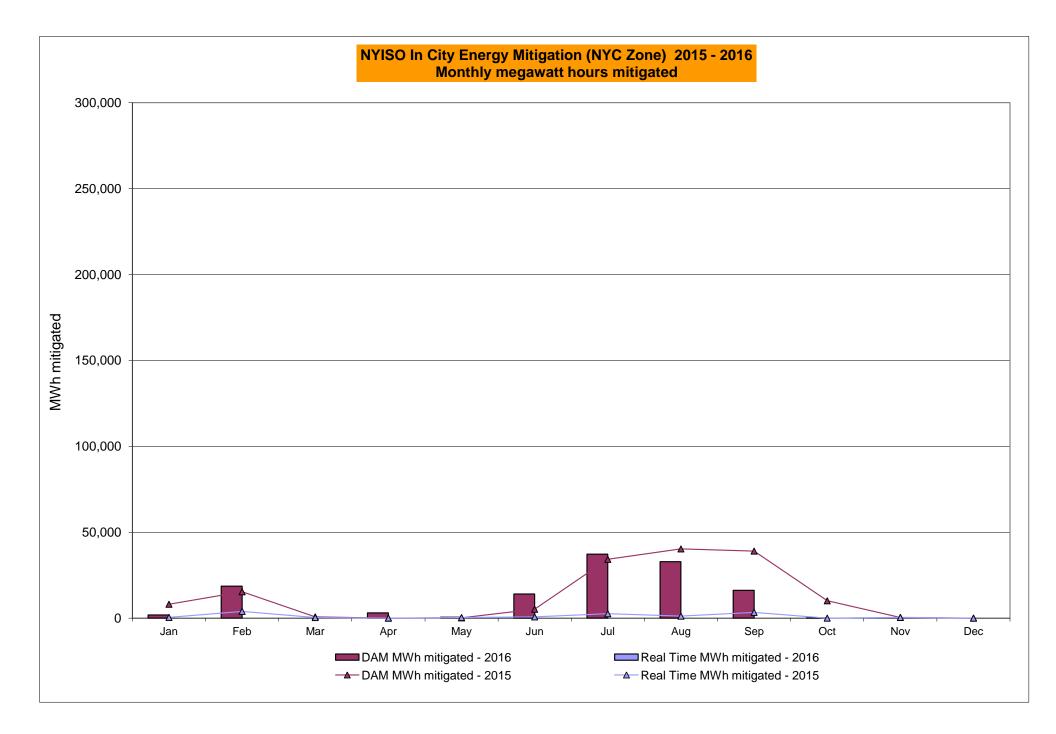
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

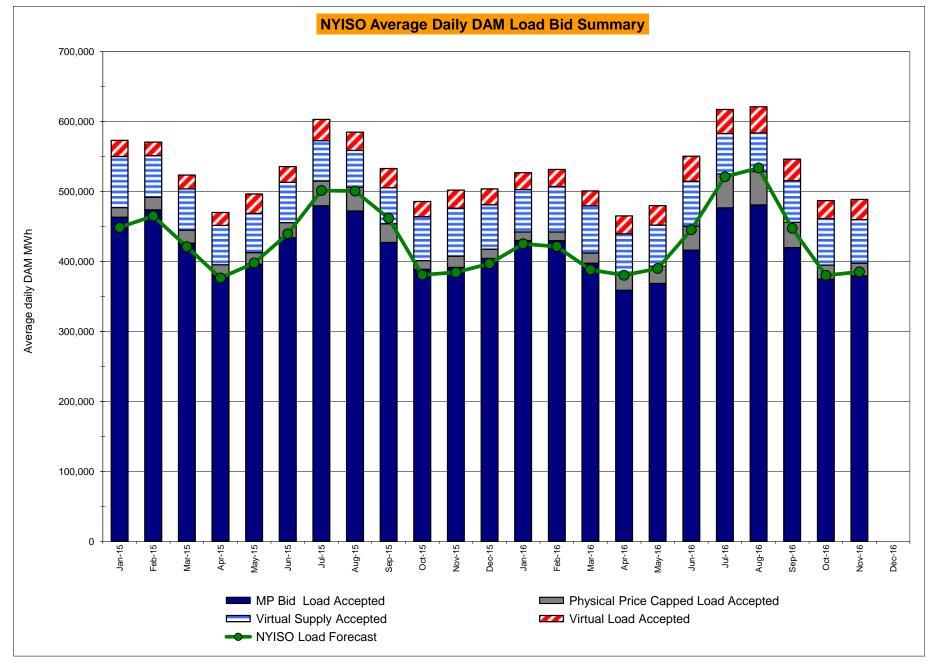
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2016	<u>January</u>	<u>February</u>	March	<u>April</u>	May	<u>June</u>	July
Day Ahead Market	<u></u>	<u> </u>	<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
10 Min Spin SENY (GHIJK)	7.09	5.38	5.04	6.31	4.93	4.62	6.41
10 Min Spin East (F)	7.09	5.38	5.04	6.31	4.93	4.62	6.41
10 Min Spin West (ABCDE)	6.28	5.25	4.84	5.60	4.77	4.52	5.78
10 Min Non Synch SENY (GHIJK)	6.47	5.25	4.88	5.80	4.83	4.36	6.34
10 Min Non Synch East (F)	6.47	5.25	4.88	5.80	4.83	4.36	6.34
10 Min Non Synch West (ABCDE)	6.23	5.20	4.84	5.58	4.68	4.32	5.72
30 Min SENY (GHIJK)	6.23	5.20	4.84	5.58	4.67	4.32	5.70
30 Min East (F)	6.23	5.20	4.84	5.58	4.67	4.32	5.70
30 Min West (ABCDE)	6.23	5.20	4.84	5.58	4.67	4.32	5.70
Regulation	9.39	8.19	8.05	7.93	6.11	7.00	8.19
•	9.09	0.15	0.00	7.55	0.11	7.00	0.15
RTC Market							
10 Min Spin SENY (GHIJK)	1.53	0.59	0.71	1.81	0.43	0.49	2.79
10 Min Spin East (F)	1.53	0.59	0.71	1.81	0.43	0.46	2.77
10 Min Spin West (ABCDE)	0.42	0.26	0.08	0.95	0.23	0.24	1.72
10 Min Non Synch SENY (GHIJK)	0.45	0.00	0.17	0.14	0.05	0.05	1.89
10 Min Non Synch East (F)	0.45	0.00	0.17	0.14	0.05	0.02	1.87
10 Min Non Synch West (ABCDE)	0.04	0.00	0.00	0.14	0.04	0.02	1.18
30 Min SENY (GHIJK)	0.01	0.00	0.00	0.14	0.04	0.04	0.94
30 Min East (F)	0.01	0.00	0.00	0.14	0.04	0.02	0.93
30 Min West (ABCDE)	0.01	0.00	0.00	0.14	0.04	0.02	0.93
Regulation	8.04	6.86	7.15	7.07	5.43	6.09	7.51
NYCA Regulation Movement	0.23	0.21	0.20	0.25	0.25	0.09	0.23
NTCA Regulation Movement	0.23	0.21	0.20	0.25	0.25	0.23	0.23
<u>Real Time Market</u>							
10 Min Spin SENY (GHIJK)	7.51	1.12	1.73	4.34	1.19	1.43	4.73
10 Min Spin East (F)	7.51	1.12	1.73	4.34	1.19	1.40	4.72
10 Min Spin West (ABCDE)	4.17	0.58	0.48	2.23	0.79	1.00	2.51
10 Min Non Synch SENY (GHIJK)	4.26	0.00	0.22	1.20	0.06	0.15	3.49
10 Min Non Synch East (F)	4.26	0.00	0.22	1.20	0.06	0.11	3.48
10 Min Non Synch West (ABCDE)	1.89	0.00	0.00	0.26	0.03	0.04	1.65
30 Min SENY (GHIJK)	0.06	0.00	0.00	0.25	0.03	0.07	0.98
30 Min East (F)	0.06	0.00	0.00	0.25	0.03	0.04	0.97
30 Min West (ABCDE)	0.06	0.00	0.00	0.25	0.03	0.04	0.97
. ,	10.66	7.21	7.73	8.30	6.06	6.92	8.37
Regulation	0.23				0.25		
NYCA Regulation Movement	0.23	0.22	0.20	0.25	0.25	0.23	0.23
2015	lanuary	February				lune	hubz
2015 Day Abaad Market	January	February	March	<u>April</u>	May	June	<u>July</u>
Day Ahead Market			March	<u>April</u>	<u>May</u>		
Day Ahead Market 10 Min Spin SENY (GHIJK)	N/A	N/A	<u>March</u> N/A	<u>April</u> N/A	<u>May</u> N/A	N/A	N/A
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F)	N/A 5.92	N/A 7.69	<u>March</u> N/A 11.09	<u>April</u> N/A 5.53	<u>May</u> N/A 6.31	N/A 4.53	N/A 5.62
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE)	N/A 5.92 4.07	N/A 7.69 5.40	<u>March</u> N/A 11.09 5.68	<u>April</u> N/A 5.53 4.16	<u>May</u> N/A 6.31 3.69	N/A 4.53 2.84	N/A 5.62 2.26
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK)	N/A 5.92 4.07 N/A	N/A 7.69 5.40 N/A	<u>March</u> N/A 11.09 5.68 N/A	<u>April</u> N/A 5.53 4.16 N/A	<u>May</u> N/A 6.31 3.69 N/A	N/A 4.53 2.84 N/A	N/A 5.62 2.26 N/A
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F)	N/A 5.92 4.07 N/A 2.30	N/A 7.69 5.40 N/A 3.89	<u>March</u> N/A 11.09 5.68 N/A 5.40	<u>April</u> N/A 5.53 4.16 N/A 3.22	<u>May</u> N/A 6.31 3.69 N/A 3.84	N/A 4.53 2.84 N/A 2.42	N/A 5.62 2.26 N/A 3.66
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE)	N/A 5.92 4.07 N/A 2.30 0.90	N/A 7.69 5.40 N/A 3.89 1.79	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45	N/A 4.53 2.84 N/A 2.42 0.77	N/A 5.62 2.26 N/A 3.66 0.45
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK)	N/A 5.92 4.07 N/A 2.30 0.90 N/A	N/A 7.69 5.40 N/A 3.89 1.79 N/A	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91 N/A	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A	N/A 4.53 2.84 N/A 2.42 0.77 N/A	N/A 5.62 2.26 N/A 3.66 0.45 N/A
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F)	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE)	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77 0.77	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38 1.38	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91 1.91	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26 1.26	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93 0.93	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64 0.64	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43 0.43
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F)	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43
Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) 30 Min SENY (GHIJK) 30 Min East (F) 30 Min West (ABCDE) Regulation	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77 0.77	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38 1.38	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91 1.91	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26 1.26	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93 0.93	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64 0.64	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43 0.43
Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77 0.77 8.84	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38 1.38 1.38	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91 1.91 9.27	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26 1.26 7.94	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93 0.93 7.48	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64 0.64 8.20	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43 0.43 8.20
Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77 0.77 8.84 N/A	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38 1.38 19.65 N/A	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91 1.91 9.27 N/A	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26 1.26 7.94	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93 0.93 7.48	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64 0.64 8.20 N/A	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43 0.43 8.20 N/A
Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin East (F)	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77 0.77 8.84 N/A 1.20	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38 1.38 19.65 N/A 3.27	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91 1.91 9.27 N/A 2.64	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26 1.26 7.94 N/A 2.77	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93 0.93 7.48 N/A 4.36	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64 0.64 8.20 N/A 1.18	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43 0.43 8.20 N/A 1.44
Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77 0.77 8.84 N/A 1.20 0.74	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38 1.38 1.38 19.65 N/A 3.27 1.61	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91 1.91 9.27 N/A 2.64 0.86	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26 1.26 7.94 N/A 2.77 0.81	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93 0.93 7.48 N/A 4.36 1.48	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64 0.64 8.20 N/A 1.18 0.04	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43 0.43 8.20 N/A 1.44 0.69
Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77 0.77 8.84 N/A 1.20 0.74 N/A	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38 1.38 1.38 19.65 N/A 3.27 1.61 N/A	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91 1.91 9.27 N/A 2.64 0.86 N/A	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26 1.26 7.94 N/A 2.77 0.81 N/A	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93 0.93 7.48 N/A 4.36 1.48 N/A	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64 0.64 8.20 N/A 1.18 0.04 N/A	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43 0.43 0.43 8.20 N/A 1.44 0.69 N/A
Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77 0.77 8.84 N/A 1.20 0.74 N/A 0.01	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38 1.38 19.65 N/A 3.27 1.61 N/A 0.48	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91 1.91 9.27 N/A 2.64 0.86 N/A 0.01	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26 1.26 7.94 N/A 2.77 0.81 N/A 0.00	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93 0.93 7.48 N/A 4.36 1.48 N/A 1.54	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64 0.64 8.20 N/A 1.18 0.04 N/A 0.87	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43 0.43 8.20 N/A 1.44 0.69 N/A 0.28
Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77 0.77 8.84 N/A 1.20 0.74 N/A 0.01 0.00	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38 1.38 19.65 N/A 3.27 1.61 N/A 0.48 0.00	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91 1.91 9.27 N/A 2.64 0.86 N/A 0.01 0.00	<u>April</u> N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26 1.26 7.94 N/A 2.77 0.81 N/A 0.00 0.00	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93 0.93 7.48 N/A 4.36 1.48 N/A 1.54 0.00	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64 0.64 8.20 N/A 1.18 0.04 N/A 0.87 0.00	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43 8.20 N/A 1.44 0.69 N/A 0.28 0.00
Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin Kest (F)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch Kest (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77 0.77 8.84 N/A 1.20 0.74 N/A 0.01 0.00 N/A	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38 1.38 1.38 19.65 N/A 3.27 1.61 N/A 0.48 0.00 N/A	<u>March</u> N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91 1.91 9.27 N/A 2.64 0.86 N/A 0.01 0.00 N/A	April N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26 1.26 7.94 N/A 2.77 0.81 N/A 0.00 0.00 N/A	<u>May</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93 0.93 7.48 N/A 4.36 1.48 N/A 1.54 0.00 N/A	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64 0.64 8.20 N/A 1.18 0.04 N/A 0.87 0.00 N/A	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43 0.43 8.20 N/A 1.44 0.69 N/A 0.28 0.00 N/A
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Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)Regulation RTC Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch Kest (ABCDE)30 Min East (F)30 Min East (F)30 Min East (F)30 Min Kest (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min SENY (GHIJK)30 Min Senst (ABCDE)RegulationNYCA Regulation MovementReal Time Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch Kest (ABCDE)30 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 M	N/A 5.92 4.07 N/A 2.30 0.90 N/A 0.77 0.77 8.84 N/A 1.20 0.74 N/A 0.01 0.00 N/A 0.01 0.00 N/A 0.00 0.00 7.45 0.21 N/A 2.12 1.44 N/A 0.12 0.00 N/A 0.12 0.00 N/A	N/A 7.69 5.40 N/A 3.89 1.79 N/A 1.38 1.38 19.65 N/A 3.27 1.61 N/A 0.48 0.00 N/A 0.00 0.00 11.32 0.21 N/A 5.31 3.11 N/A 1.03 0.00 N/A	March N/A 11.09 5.68 N/A 5.40 1.97 N/A 1.91 1.91 9.27 N/A 2.64 0.86 N/A 0.01 0.00 N/A 0.00 0.00 8.13 0.16 N/A 3.84 1.83 N/A 0.17 0.00 N/A 0.00 0.00	April N/A 5.53 4.16 N/A 3.22 1.91 N/A 1.26 1.26 7.94 N/A 2.77 0.81 N/A 0.00 0.00 N/A 0.00 0.00 7.56 0.22 N/A 3.44 1.46 N/A 3.44 1.46 N/A 0.01 0.00 N/A	<u>Мау</u> N/A 6.31 3.69 N/A 3.84 1.45 N/A 0.93 0.93 7.48 N/A 4.36 1.48 N/A 4.36 1.48 N/A 1.54 0.00 N/A 0.00 0.00 7.06 0.16 N/A 4.59 0.81 N/A 4.59 0.81 N/A 4.59 0.81 N/A 0.00 N/A	N/A 4.53 2.84 N/A 2.42 0.77 N/A 0.64 0.64 8.20 N/A 1.18 0.04 N/A 0.00 N/A 0.00 N/A 0.00 N/A 0.00 0.00 7.24 0.24 N/A 2.56 0.38 N/A 2.56 0.38 N/A 2.01 0.19 N/A 0.02 0.02	N/A 5.62 2.26 N/A 3.66 0.45 N/A 0.43 0.43 0.43 8.20 N/A 0.43 8.20 N/A 0.43 0.43 8.20 N/A 0.43 0.43 0.43 0.43 0.43 0.43 0.43 0.28 0.00 N/A 0.28 0.00 7.97 0.25 N/A 0.25 N/A 0.43 0.00 N/A 0.43 0.00 N/A 0.00 0.00

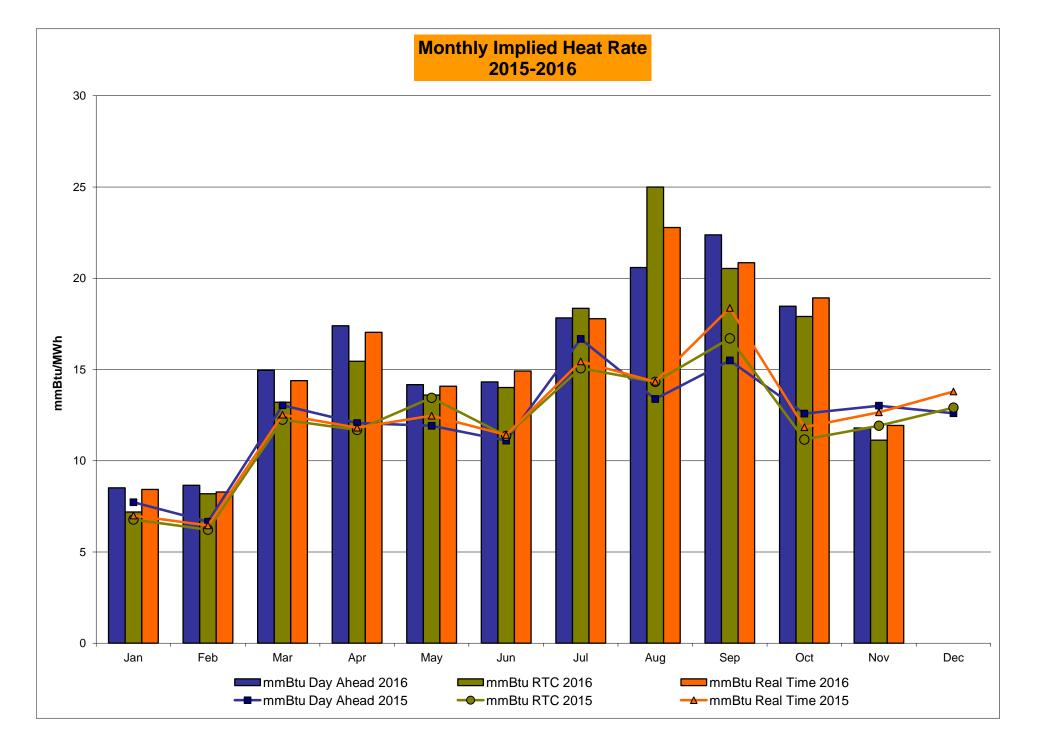
<u>August</u>	<u>September</u>	<u>October</u>	November	December
7.12 7.12 6.20 7.07 7.07	5.57 5.57 5.14 5.52 5.52	5.37 5.37 4.89 5.09 5.09	4.83 4.83 4.50 4.43 4.43	
6.15 6.15 6.15 6.15 8.61	5.10 5.10 5.10 5.10 7.00	4.82 4.82 4.82 4.82 8.57	4.39 4.39 4.39 4.39 7.77	
7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27	0.61 0.61 0.21 0.21 0.16 0.15 0.15	0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08	1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00	
3.27 3.27 10.25 0.24	0.13 0.15 5.52 0.24	0.08 0.08 6.86 0.26	0.00 0.00 7.00 0.24	
8.04 7.68 4.72 6.70 6.34 3.56 3.48 3.12 3.12 3.12 10.31	1.59 1.59 0.90 0.59 0.59 0.21 0.21 0.21 0.21 6.42	1.96 1.96 1.16 0.18 0.18 0.11 0.11 0.11 0.11 7.70	2.69 2.69 2.29 0.00 0.00 0.00 0.00 0.00 0.00 8.21	
0.24	0.24	0.26	0.23	
<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
N/A 4.54 2.36 N/A 2.51 0.36 N/A 0.24 0.24 8.61	<u>September</u> N/A 5.60 2.20 N/A 3.74 0.49 N/A 0.37 0.37 7.71	October N/A 5.02 2.68 N/A 2.75 0.45 N/A 0.18 0.18 7.29	<u>November</u> 4.06 4.03 3.47 3.44 3.27 2.77 2.95 2.69 2.69 9.10	<u>December</u> 4.36 4.36 4.22 4.03 4.03 4.02 4.02 4.02 4.02 9.30
N/A 4.54 2.36 N/A 2.51 0.36 N/A 0.24 0.24	N/A 5.60 2.20 N/A 3.74 0.49 N/A 0.37 0.37	N/A 5.02 2.68 N/A 2.75 0.45 N/A 0.18 0.18	4.06 4.03 3.47 3.44 3.27 2.77 2.95 2.69 2.69	4.36 4.36 4.22 4.03 4.03 4.02 4.02 4.02 4.02

Changes have been made to this table due to Comprehensive Scarcity Pricing activation in June 2016.

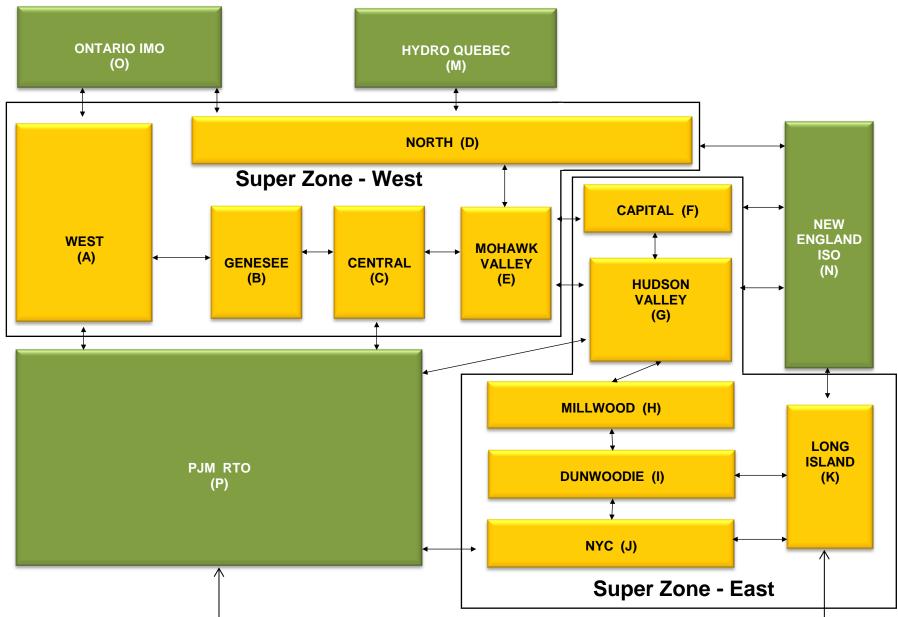








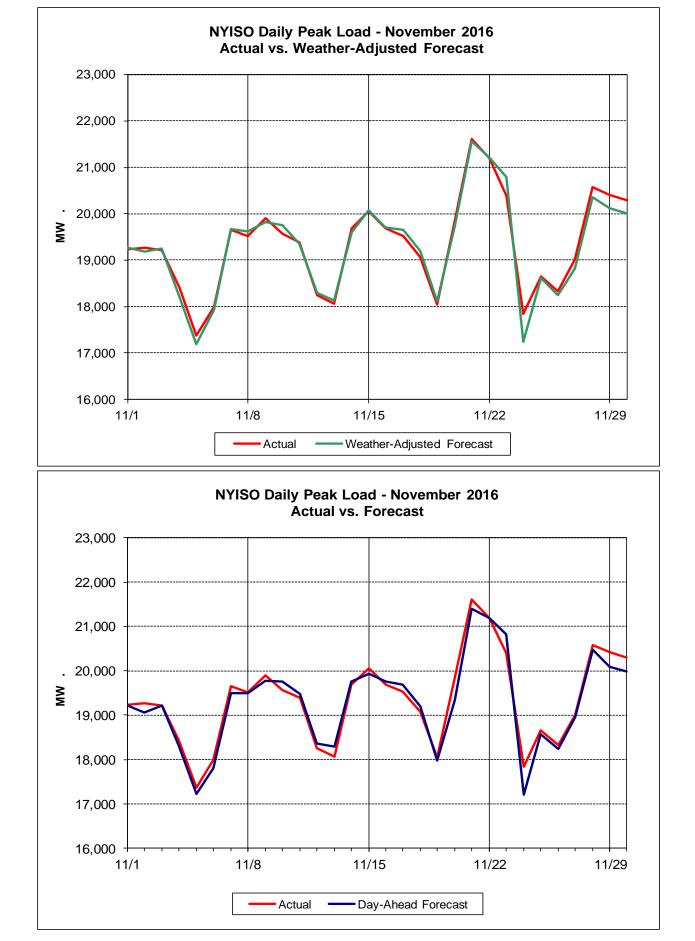
NYISO LBMP ZONES

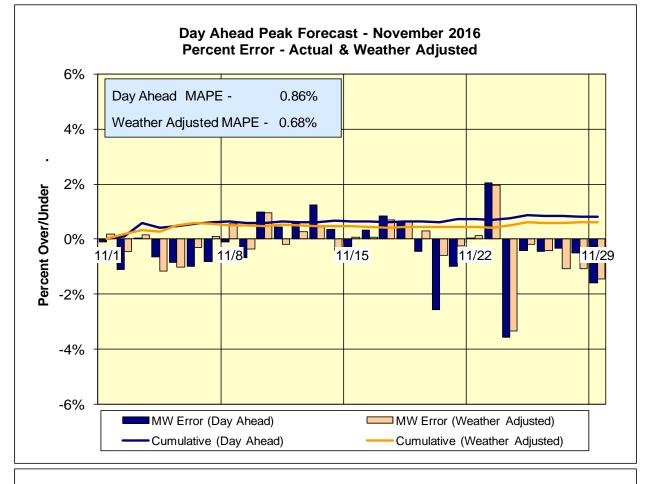


Market Mitigation and Analysis Prepared: 12/7/2016 3:40 PM

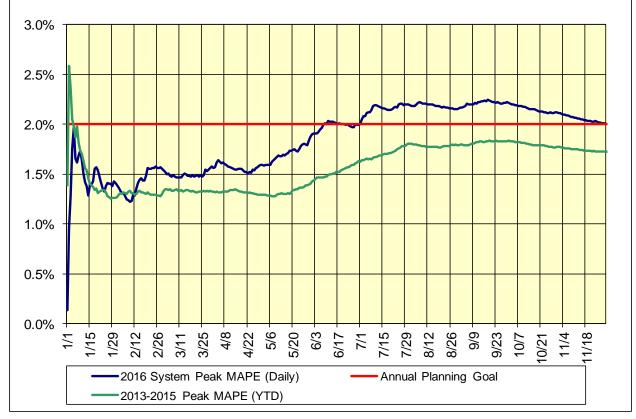
Billing Codes for Chart C

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





Day-Ahead Forecast Accuracy - Cumulative Performance 2016 Year-to-Date



Summary Description of Regulatory Filings, Investigations, Rulemakings and Related Orders in NYISO Matters – November 2016

Filing Date	Filing Summary	Docket	Order Date	Order Summary
10/19/2016	NYISO filing of a waiver request re: Section 2.4 of the 1993 PARs Facilities Agreement to settle certain amounts associated with the Ramapo PARs that are charged to TOs in the PJM region	ER17-144-000	11/17/2016	FERC Order granted waiver request effective 10/20/2016, as requested
11/02/2016	NYISO filing on behalf of NYSEG re: Cost Reimbursement Agreement No. 2319 between NYSEG and National Grid	ER17-295-000		
11/04/2016	NYISO compliance filing re: informational report addressing progress in preparing capacity import tariff revisions	AD16-26-000		
11/08/2016	NYISO filing re: amendment to correct proposed LGIA and SGIA tariff revisions filed in compliance with Order Nos. 827 and 828	ER17-61-001		
11/09/2016	NYISO filing re: answer to third party comments concerning its 09/19/2016 reliability must run compliance filing	ER16-120-003		
11/10/2016	NYISO filing re: late filed motion to intervene and answer to the Lackawanna Energy Center protest of the proposed interconnection agreement among PJM, PPL and Lackawanna	ER17-75-000		
11/15/2016	NYISO and NYSEG joint filing re: large generator interconnection agreement among NYISO, NYSEG and Greenidge Generation LLC (SA 2305)	ER17-352-000		
11/15/2016	NYISO confidential filing to the PSC re: three-month Reliability Commitment Data Report for the period ending 10/31/2016	PSC Matter No. 10-02007		
11/18/2016	NYISO 205 filing re: proposed ICAP demand curves for the 2017/2018 capability year and parameters for annual updates for capability years 2018/2019, 2019/2020 and 2020/2021	ER17-386-000		
11/29/2016	NYISO compliance filing re: two week notice to establish the effective date for behind the meter net generation tariff revisions	ER16-1213-001		
11/30/2016	NYISO 205 filing re: capacity exports from certain localities in New York	ER17-446-000		

11/30/2016	NYISO, ISO-NE, ERCOT, MISO, and SPP joint filing re: comments to the Office of Management and Budget	No docket No.	
	concerning proposed revisions to Form EIA-930, Balancing		
	Authority Operations Report		