



Monthly Report

March 2016

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Operations Performance Metrics Monthly Report



March 2016 Report

Operations & Reliability Department New York Independent System Operator

Prepared by NYISO Operations Analysis and Services, based on settlements initial settlement data collected on or before April 8, 2016.

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March 2016 Operations Performance Highlights

- Peak load of 21,234 MW occurred on 03/03/2016 HB 18
- All-time winter capability period peak load of 25,738 MW occurred on 1/7/2014 HB 18
- 3 hours of Thunder Storm Alerts were declared
- 0 hours of NERC TLR level 3 curtailment
- A Major Emergency was declared on 03/02/2016 in HB02 for the loss of 1,260MW of generation in ISONE causing the Central East interface flow to exceed its voltage collapse limit.
- A Major Emergency was declared on 03/02/2016 in HB08 for a trip of the Gilboa-Fraser 345kV (#GF5-35) circuit causing the Central East interface flow to exceed its voltage collapse limit.
- Huntley 67 and 68 generator statuses changed to retired as of 03/01/2016
- The following table identifies the estimated production cost savings associated with the Broader Regional Market initiatives.

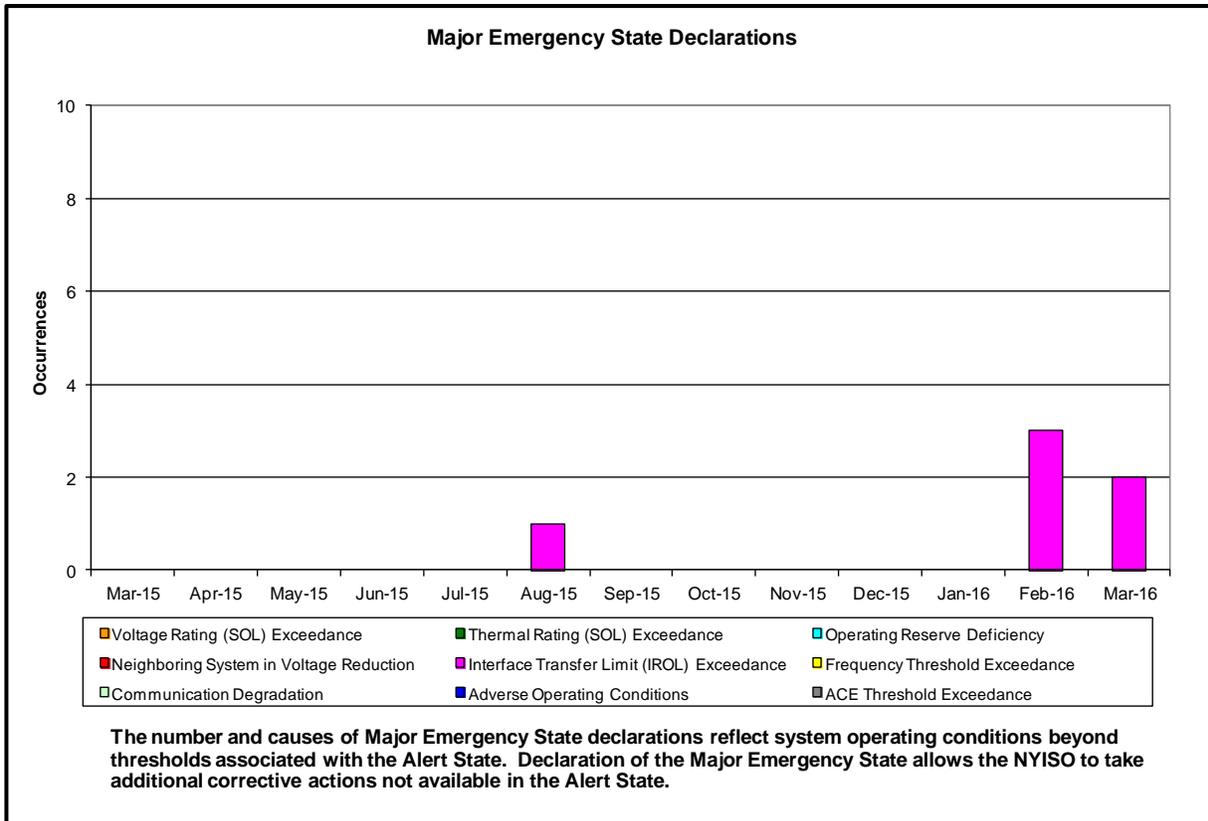
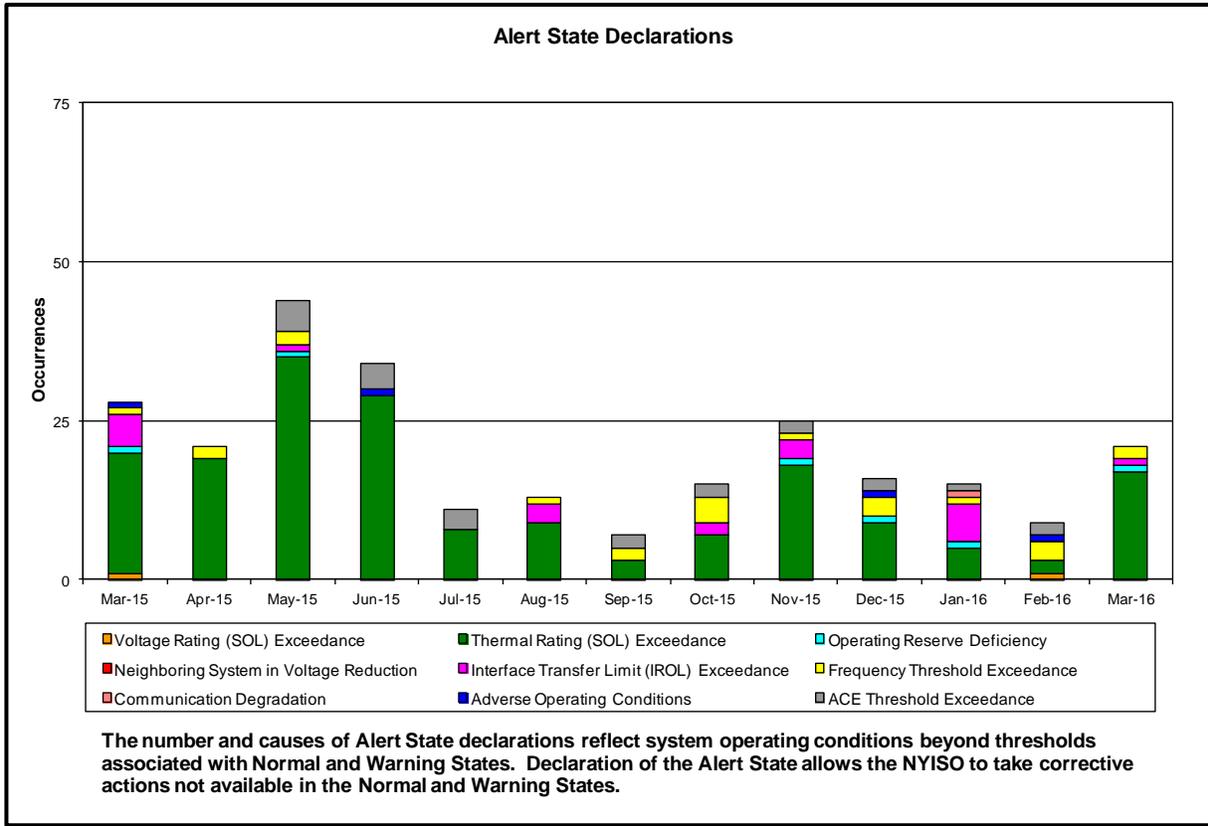
	Current Month Value (\$M)	Year-to-Date Value (\$M)
NY Savings from PJM-NY Congestion Coordination	\$1.65	\$12.70
NY Savings from PJM-NY Coordinated Transaction Scheduling	(\$0.03)	\$0.09
NY Savings from NE-NY Coordinated Transaction Scheduling	(\$0.06)	(\$0.66)
Total NY Savings	\$1.56	\$12.13
Regional Savings from PJM-NY Coordinated Transaction Scheduling	\$0.27	\$0.74
Regional Savings from NE-NY Coordinated Transaction Scheduling	\$0.11	\$0.39
Total Regional Savings	\$0.38	\$1.13

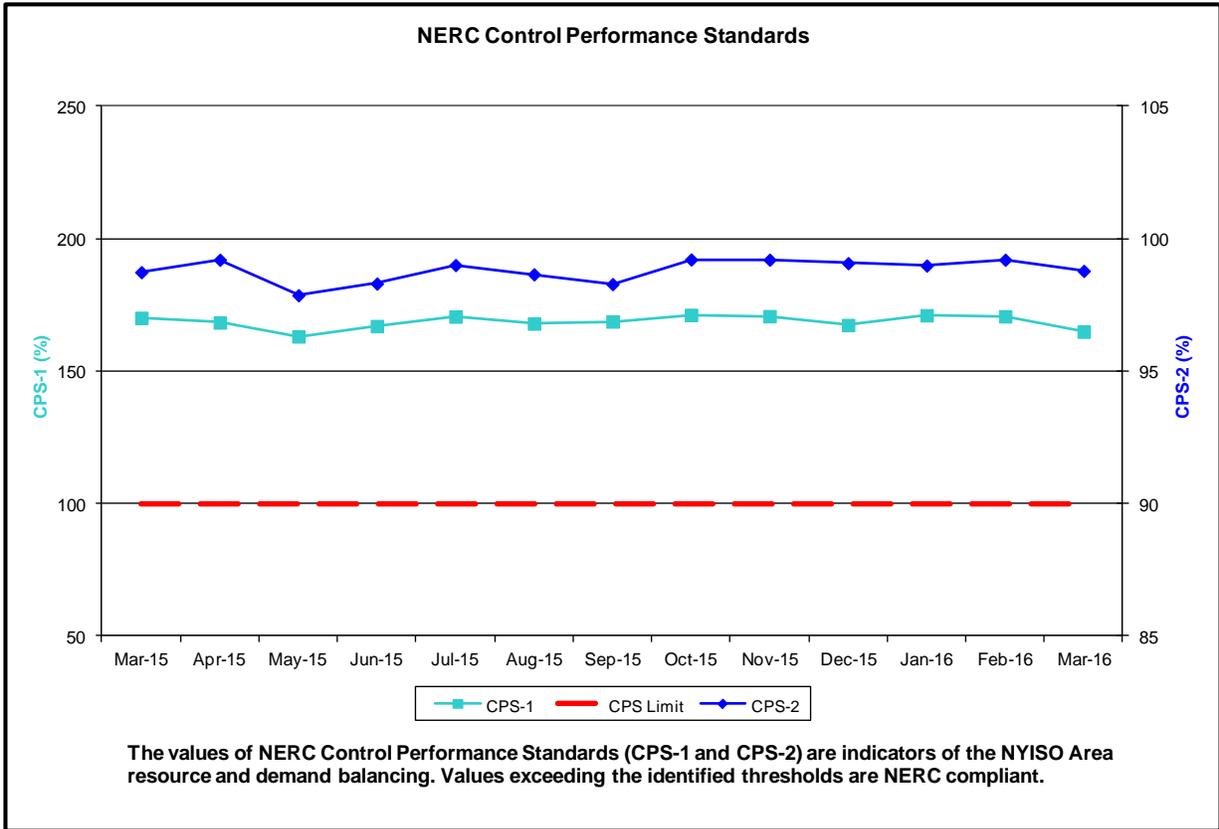
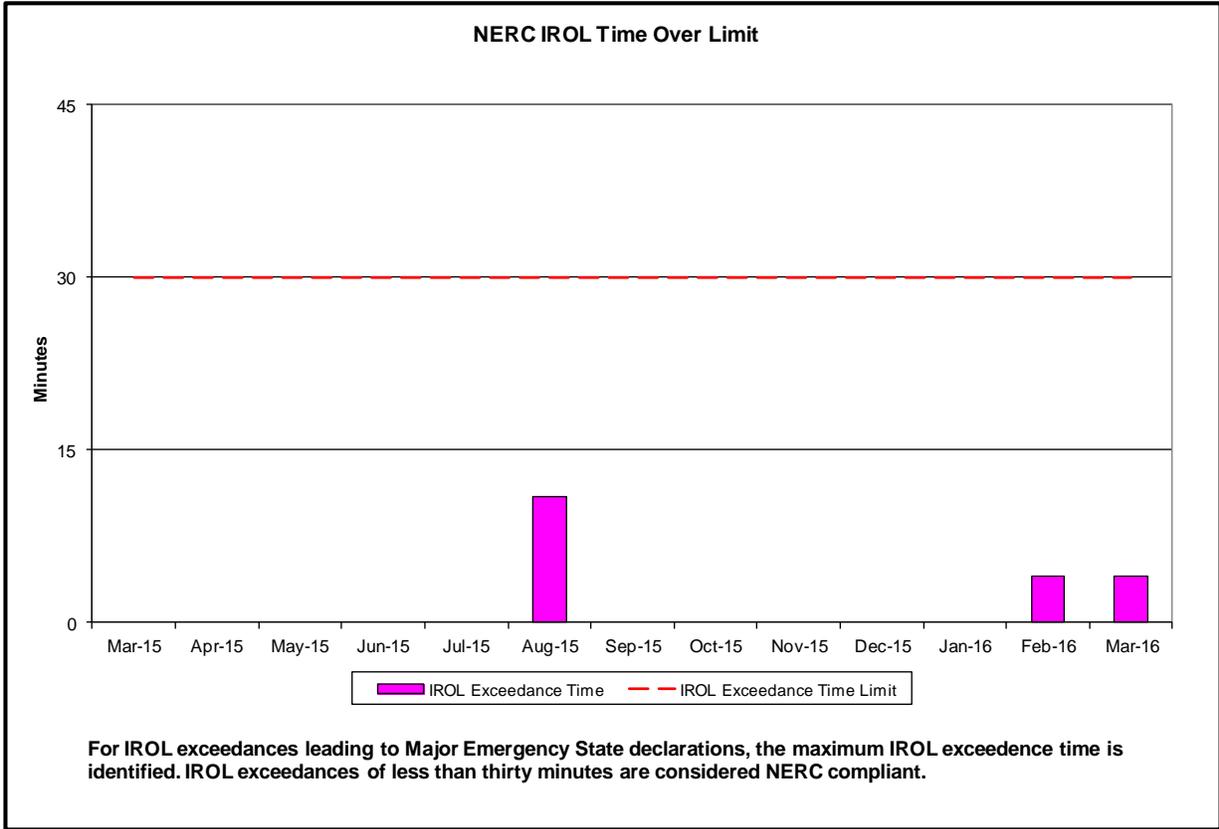
- Statewide uplift cost monthly average was (\$0.09)/MWh
- The following table identifies the Monthly ICAP spot market prices by locality and the price delta.

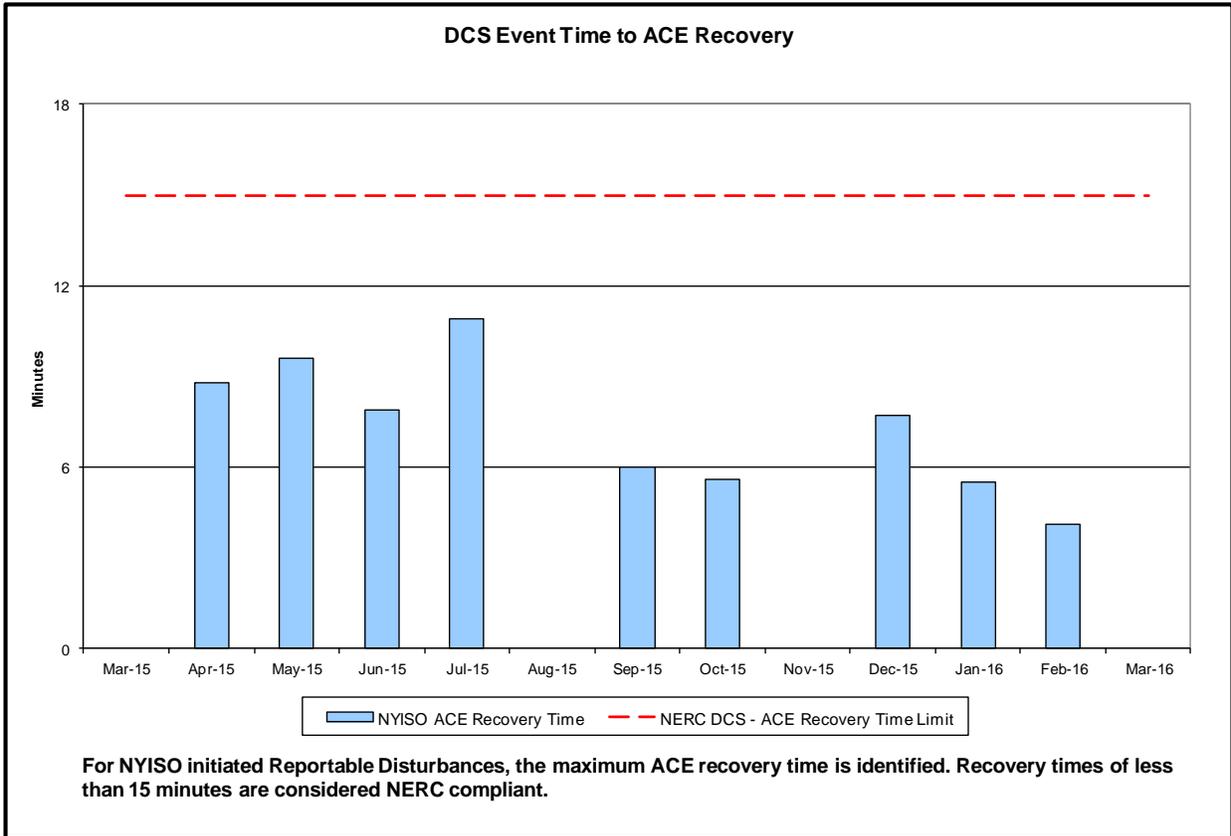
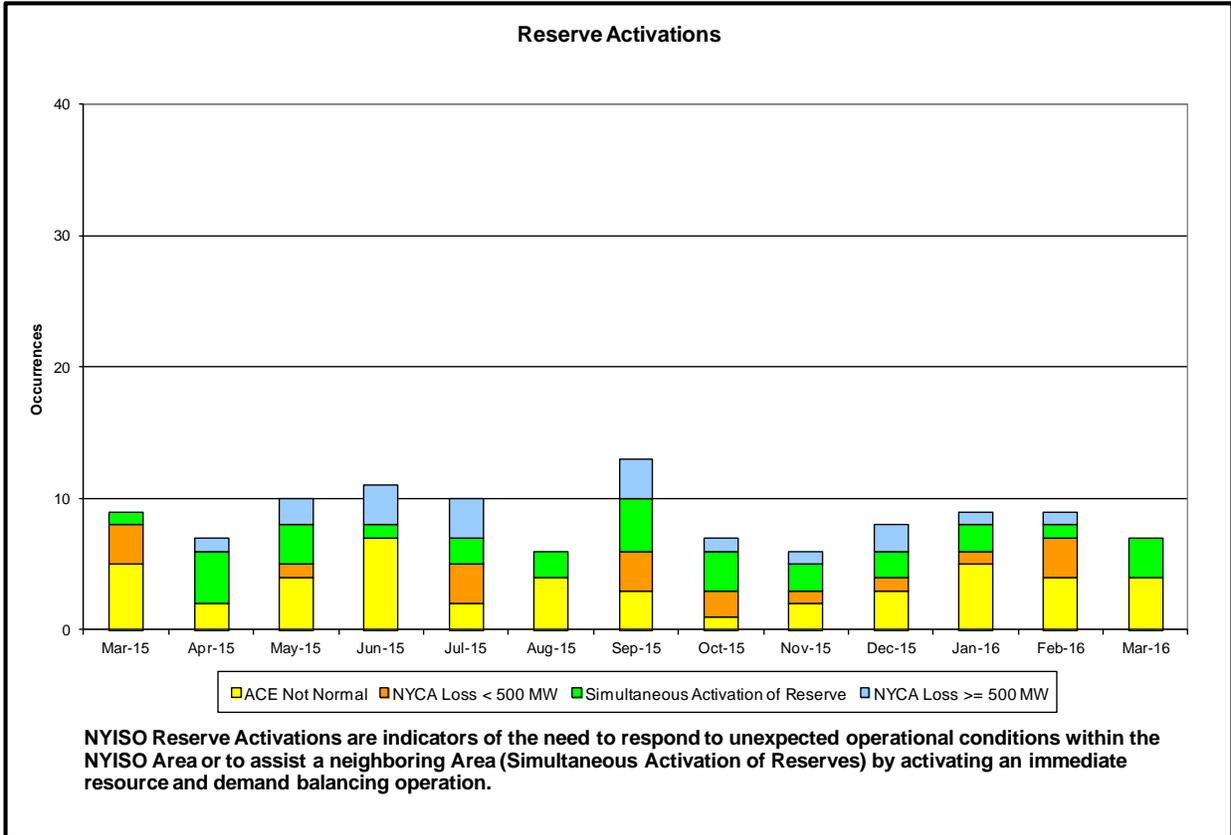
Spot Auction Price Results	NYCA	Lower Hudson Valley Zones	New York City Zone	Long Island Zone
April 2016 Spot Price	\$0.58	\$3.03	\$5.65	\$1.60
March 2016 Spot Price	\$0.54	\$3.14	\$5.81	\$1.52
Delta	\$0.04	(\$0.11)	(\$0.16)	\$0.08

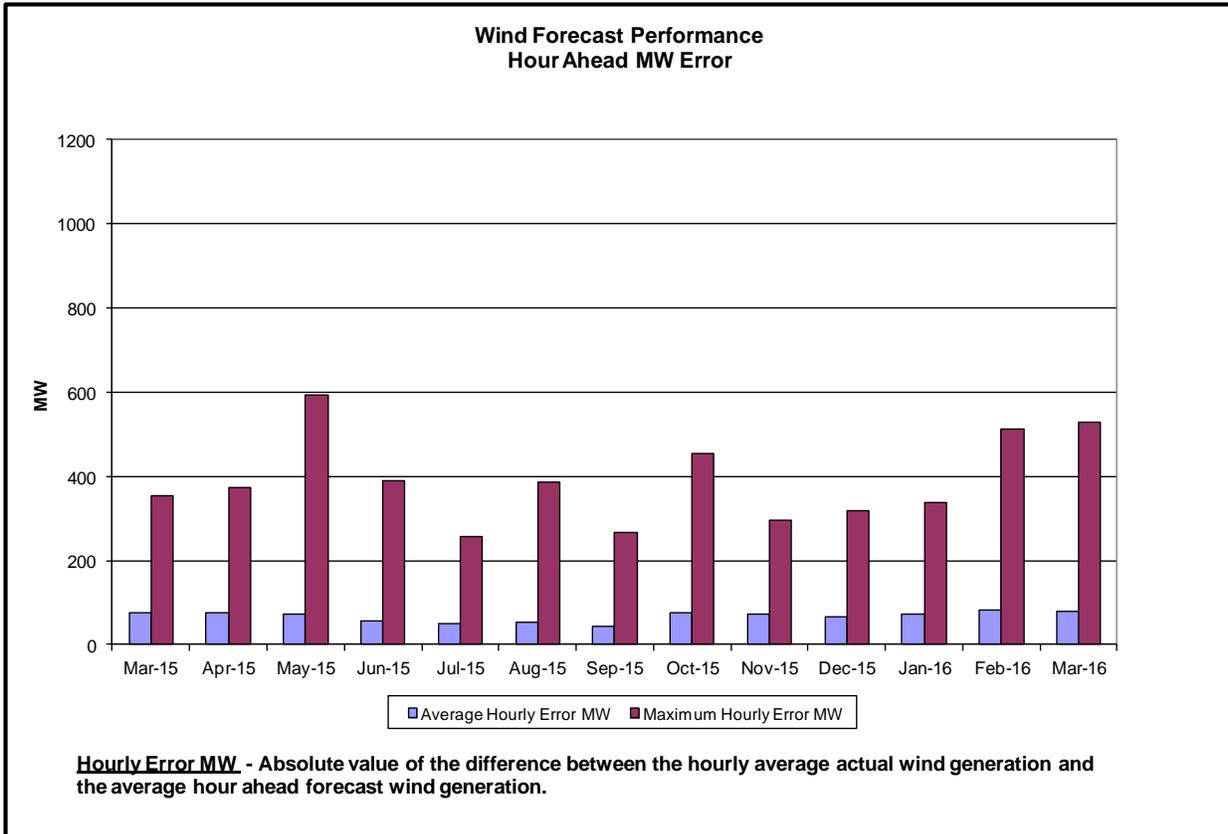
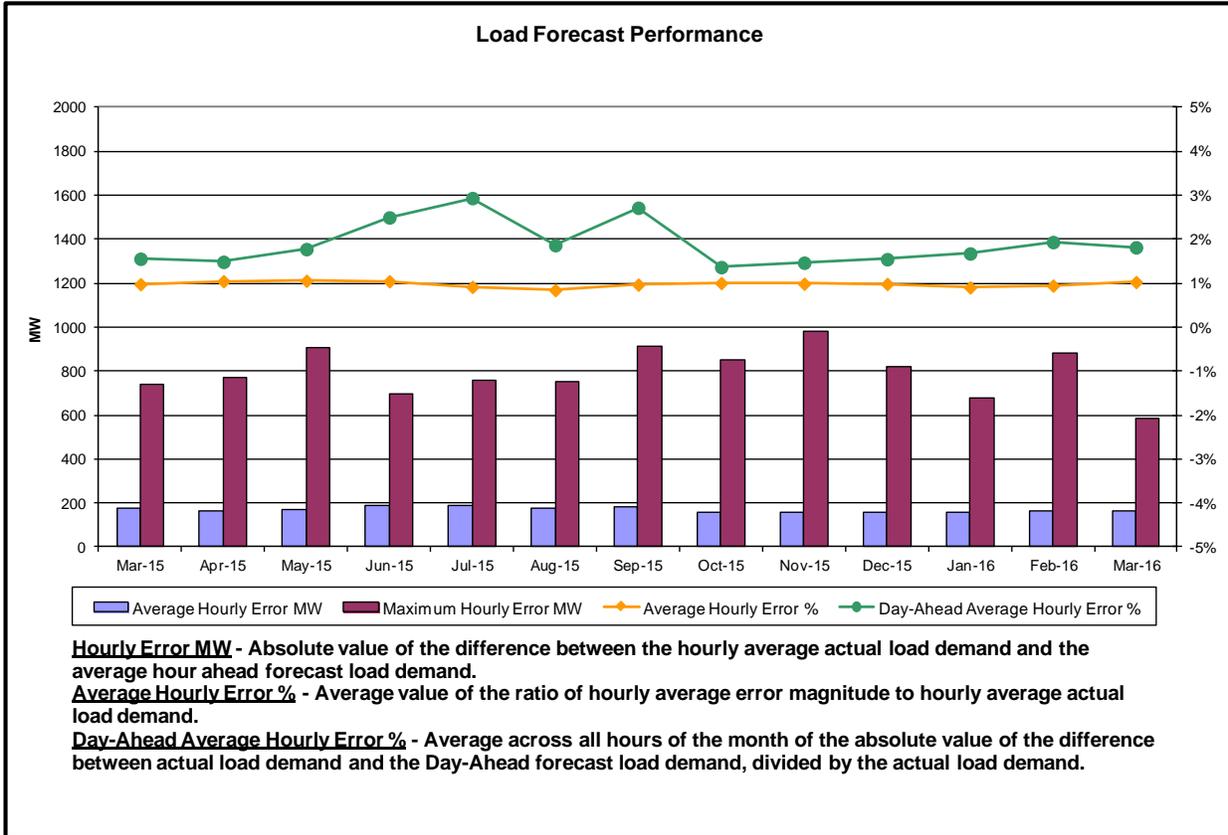
- LHV & NYC - Price decreased \$0.11 in LHV and \$0.16 in NYC due to an increase in SCR MW Available.

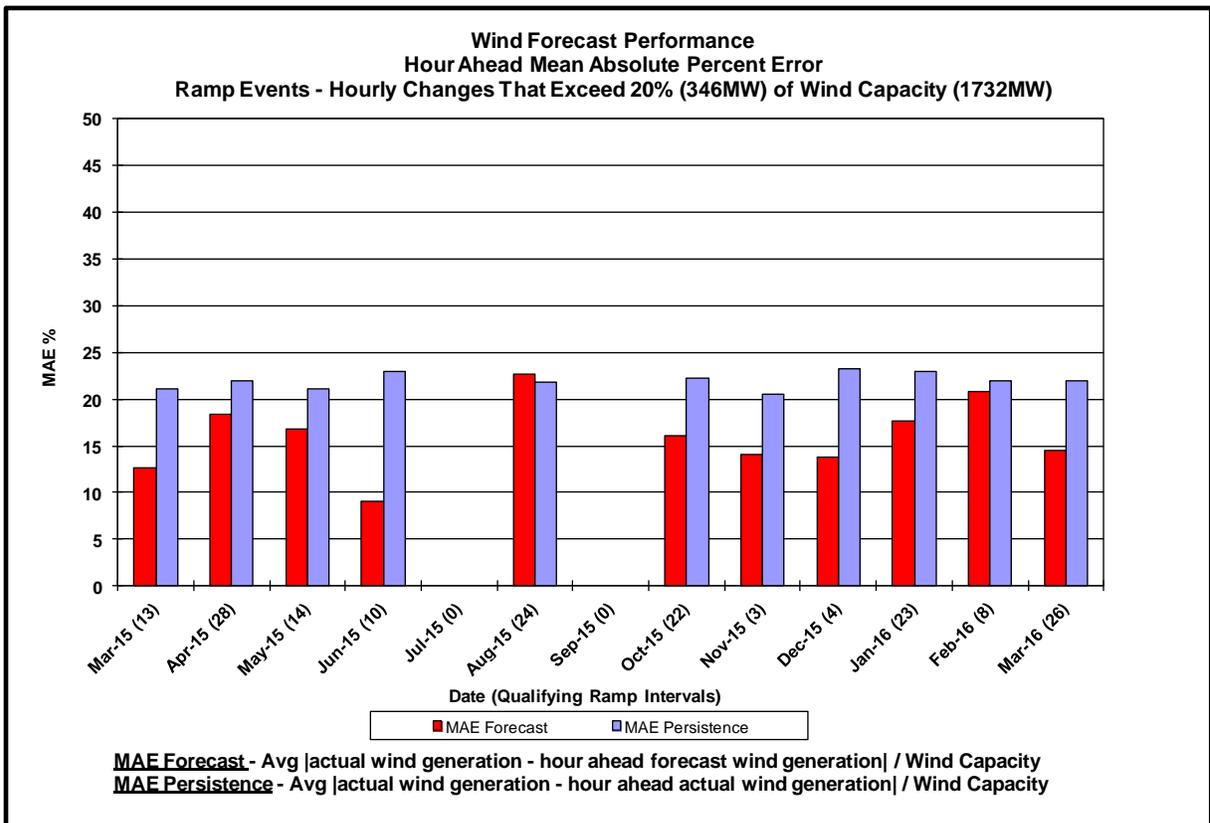
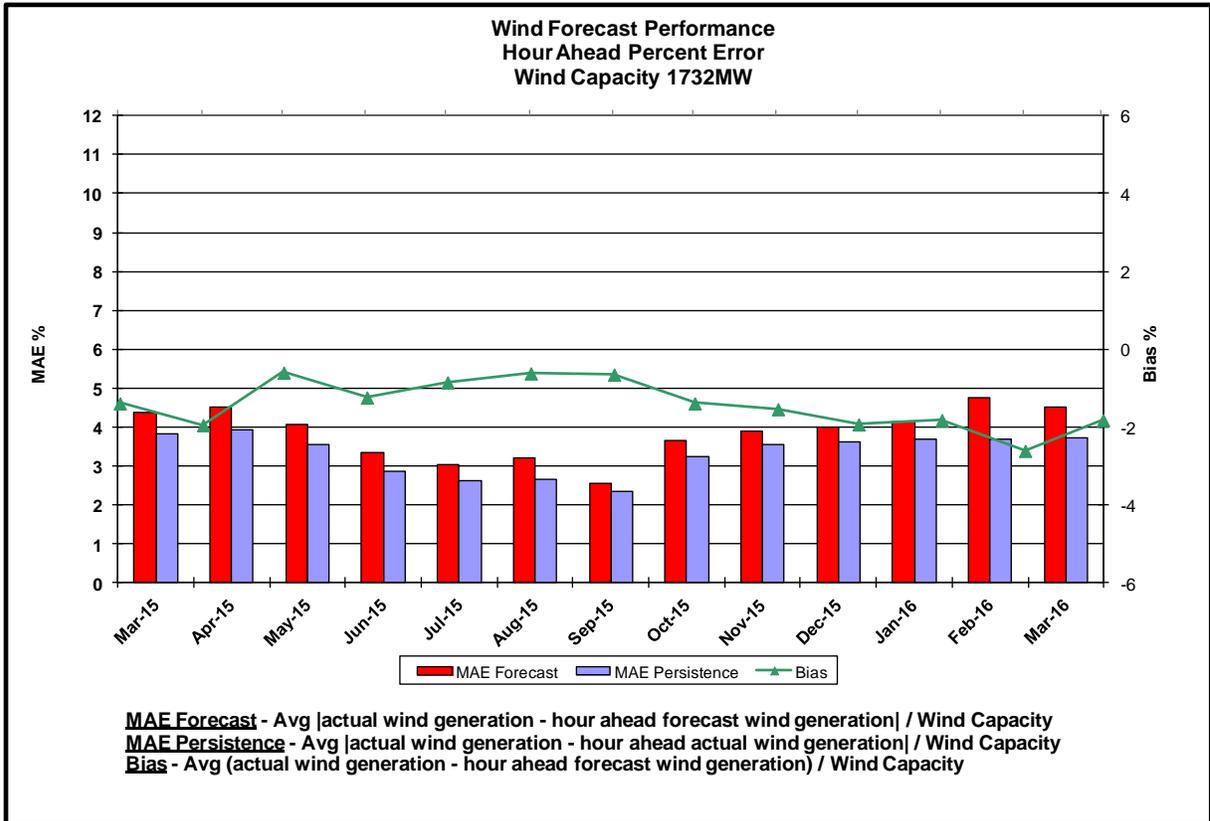
Reliability Performance Metrics

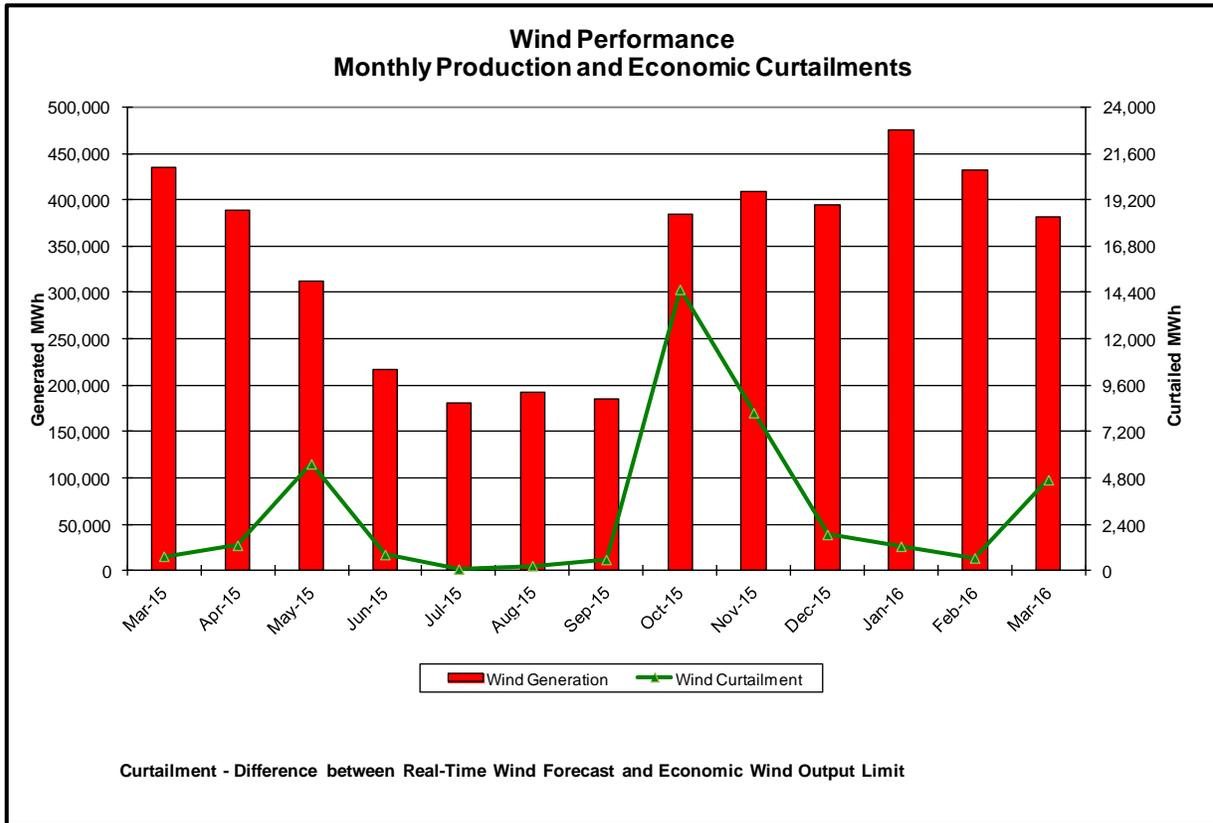
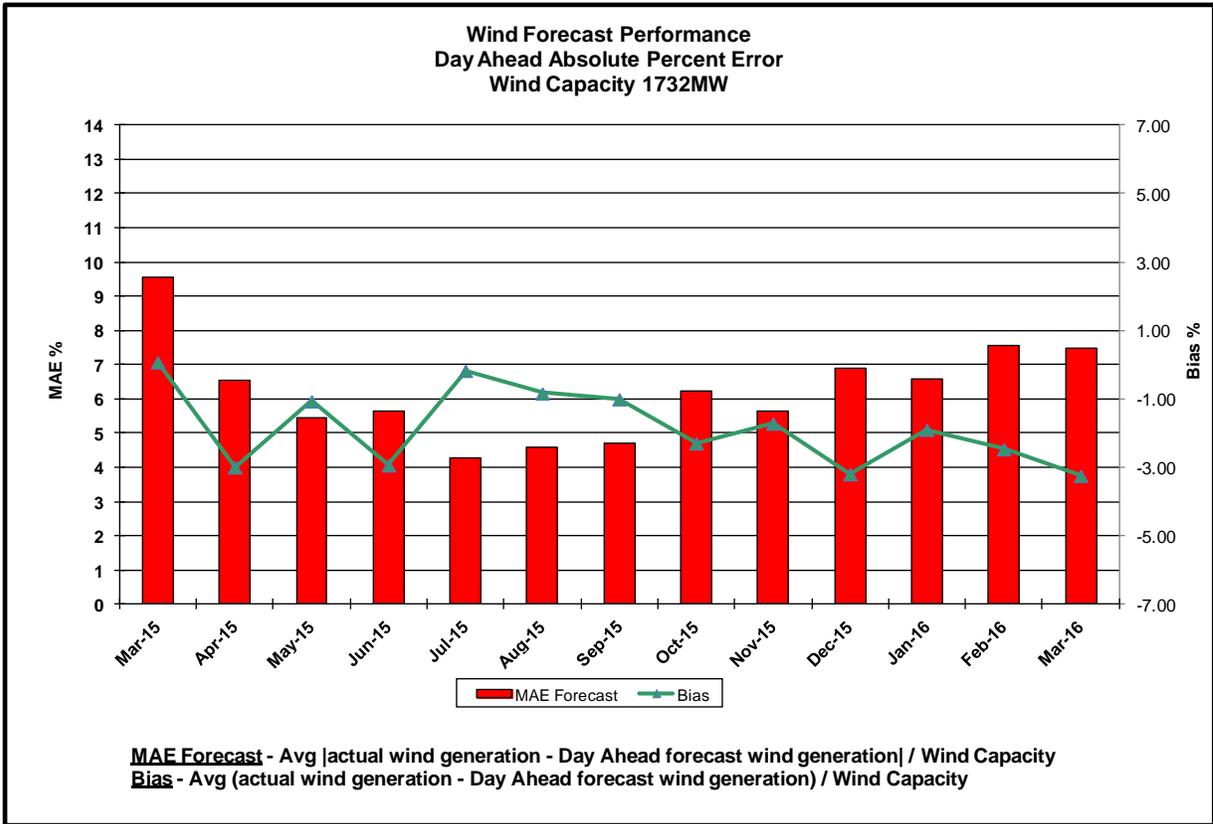


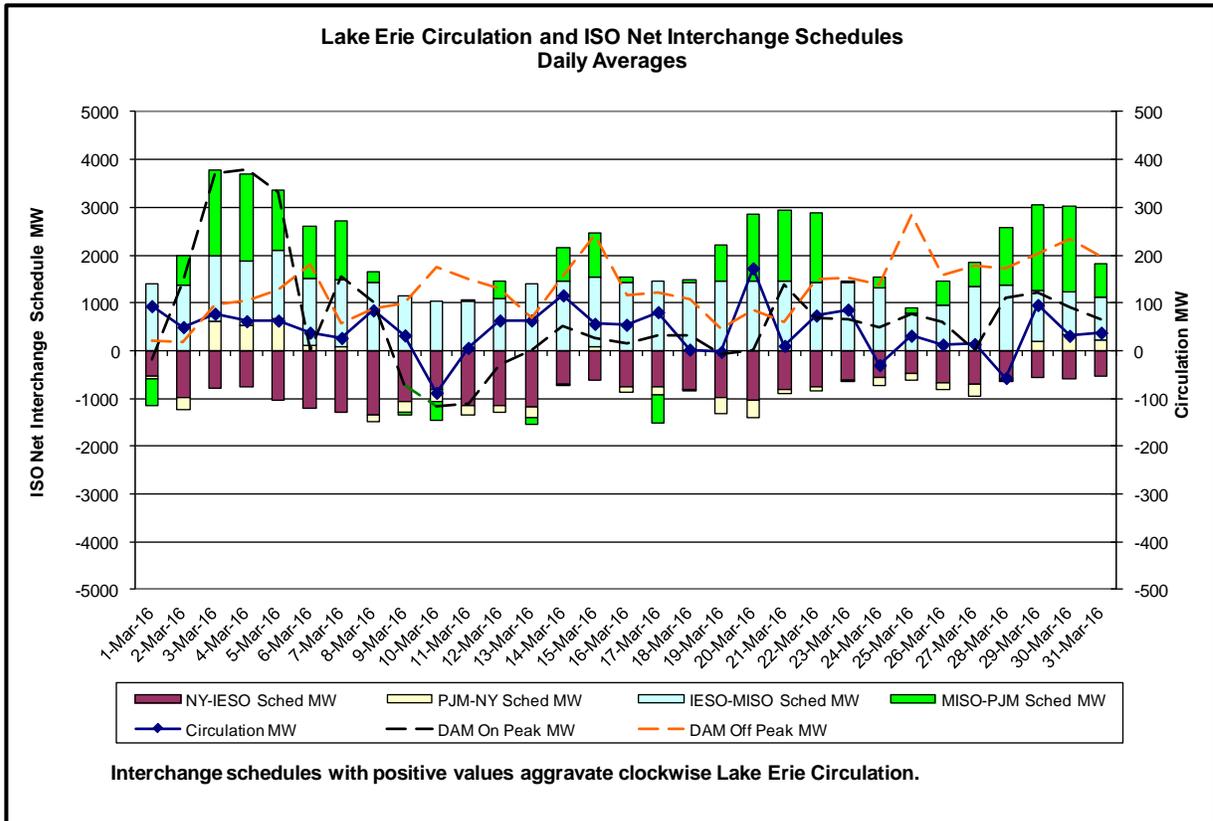
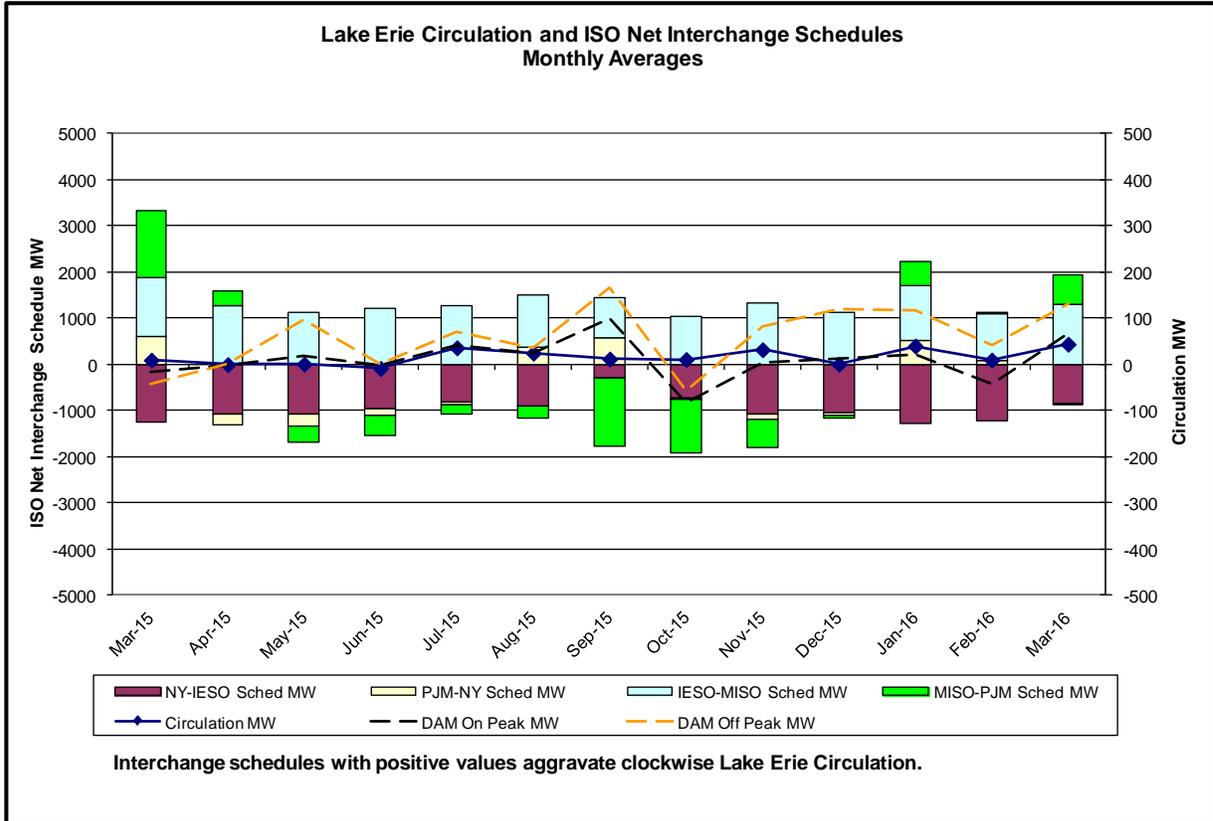




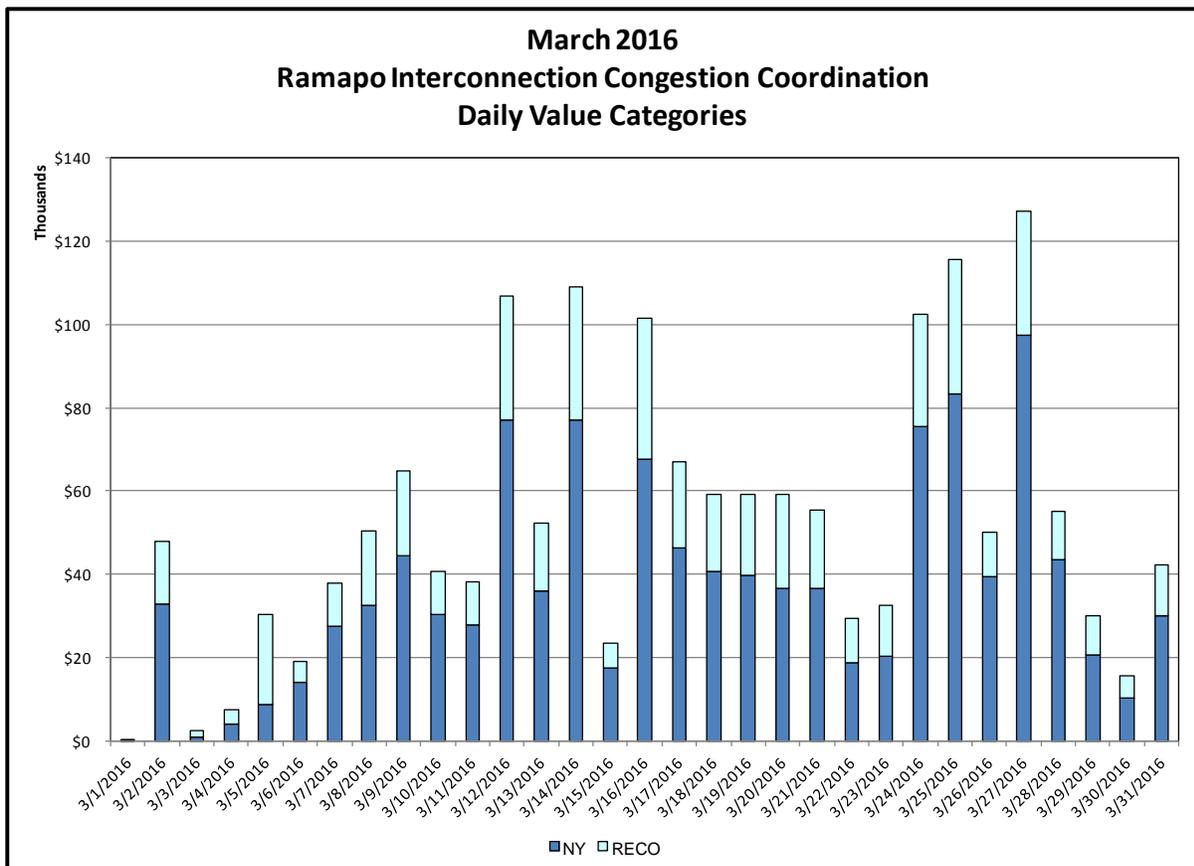
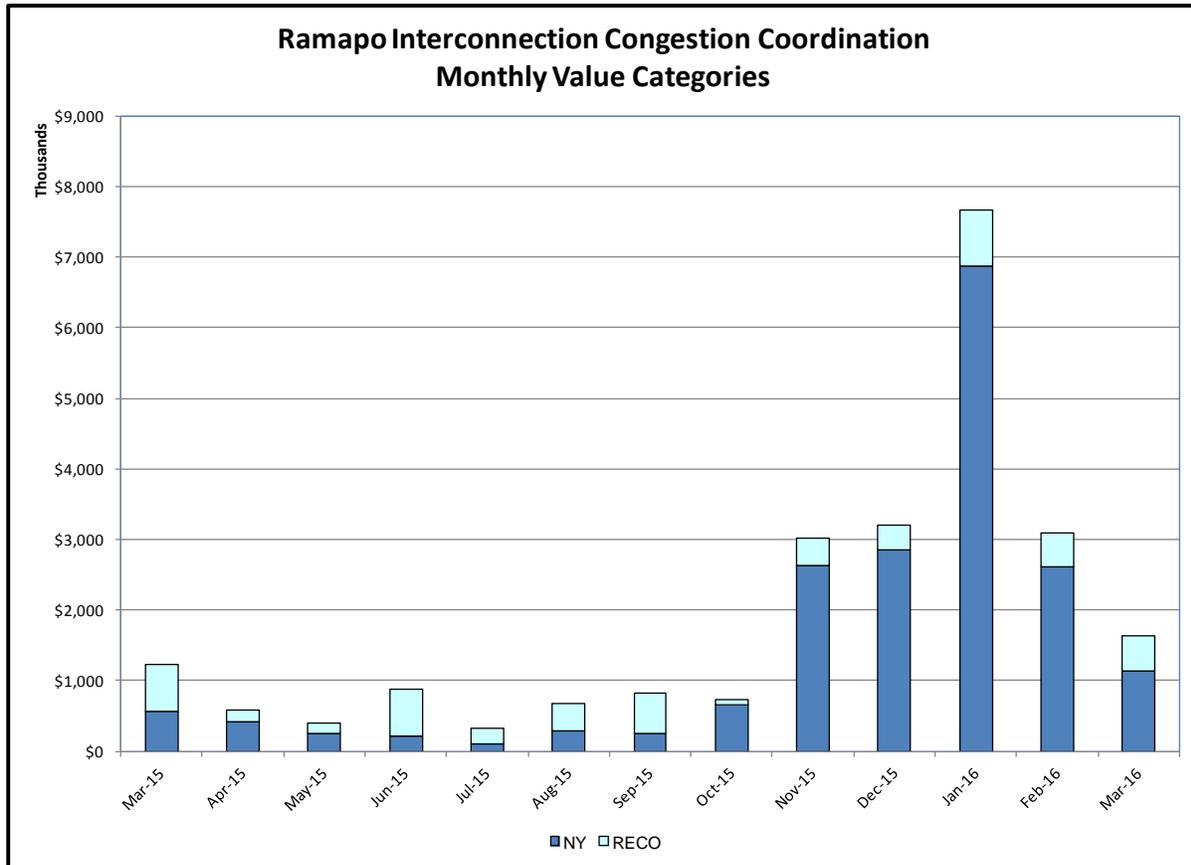






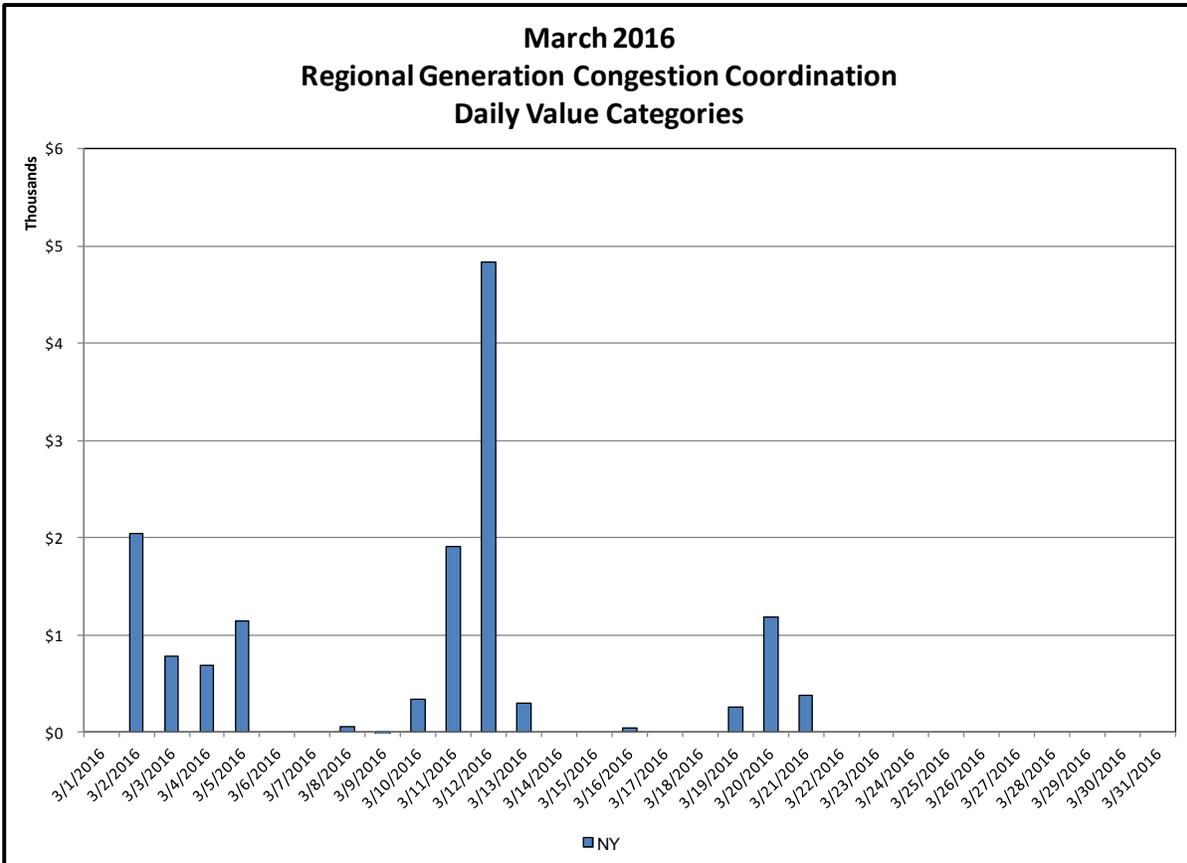
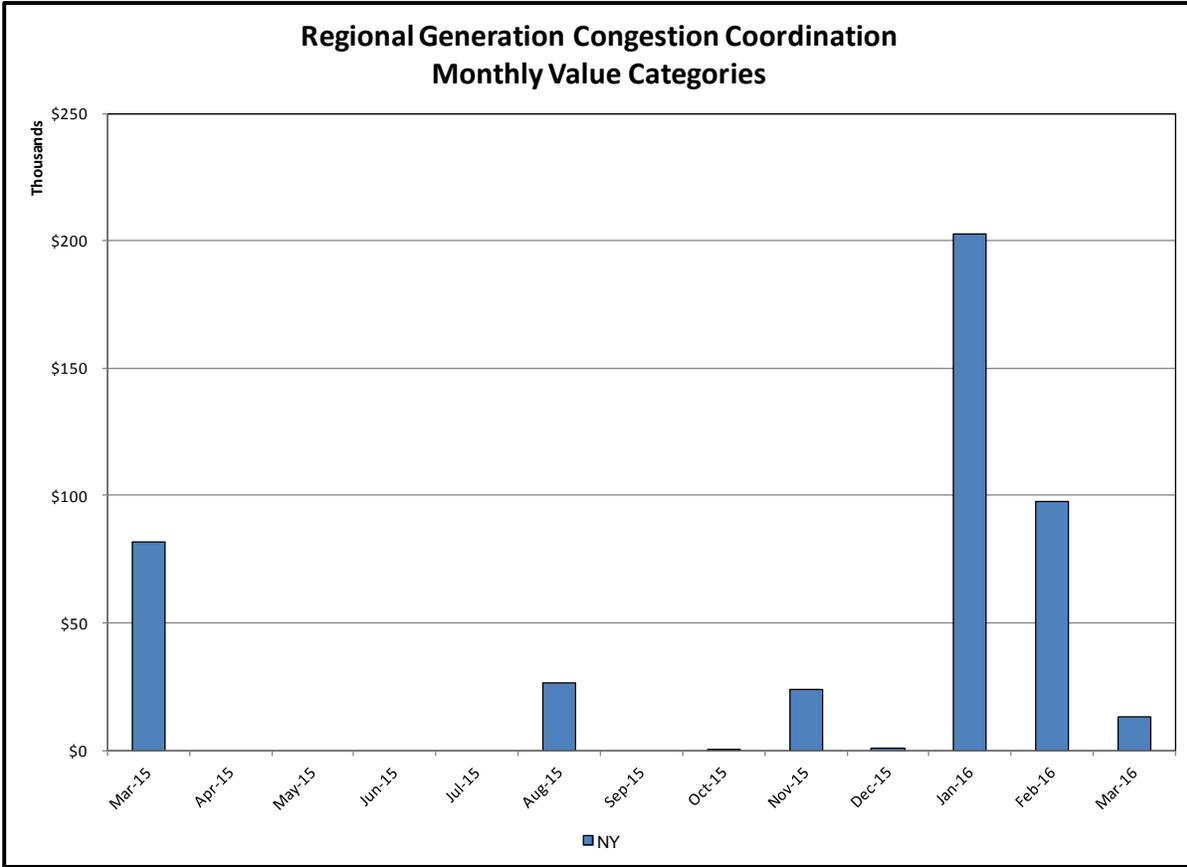


Broader Regional Market Performance Metrics



Ramapo Interconnection Congestion Coordination

<u>Category</u>	<u>Description</u>
NY	Represents the value NY realizes from Market-to-Market Ramapo Coordination. When experiencing congestion, this includes (1) the estimated savings to NY for additional deliveries into NY, plus (2) PJM compensation to NY for additional deliveries into PJM (as compared to the Ramapo Target level, excluding RECO). This is net of any settlements to PJM when they are congested.
RECO	Represents the value of PJM's obligation to deliver 80% of service to RECO load over Ramapo 5018. This includes (1) the estimated reduction in NYCA congestion due to the PJM delivery of RECO over Ramapo 5018, plus (2) PJM compensation to NY for NYCA congestion for the under-delivery or inability to deliver service to RECO load over Ramapo 5018.



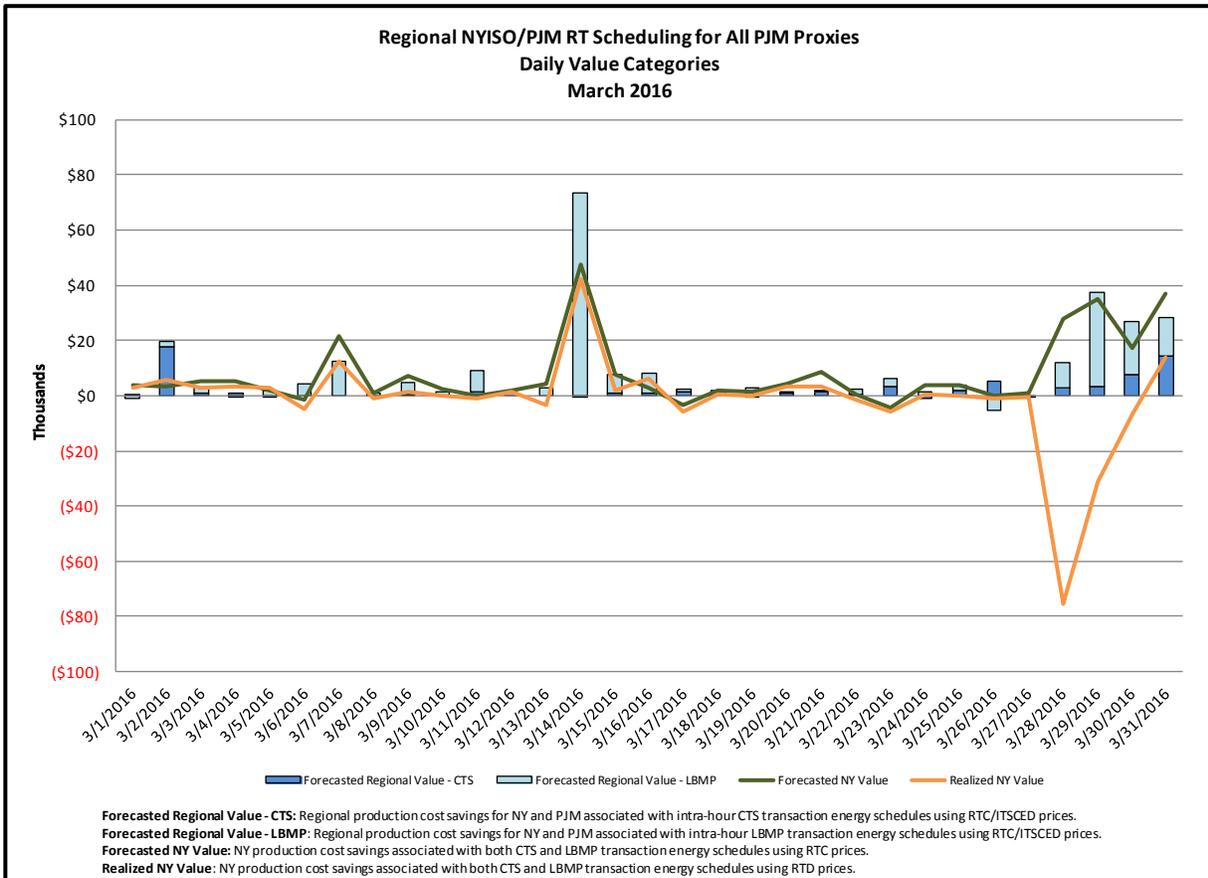
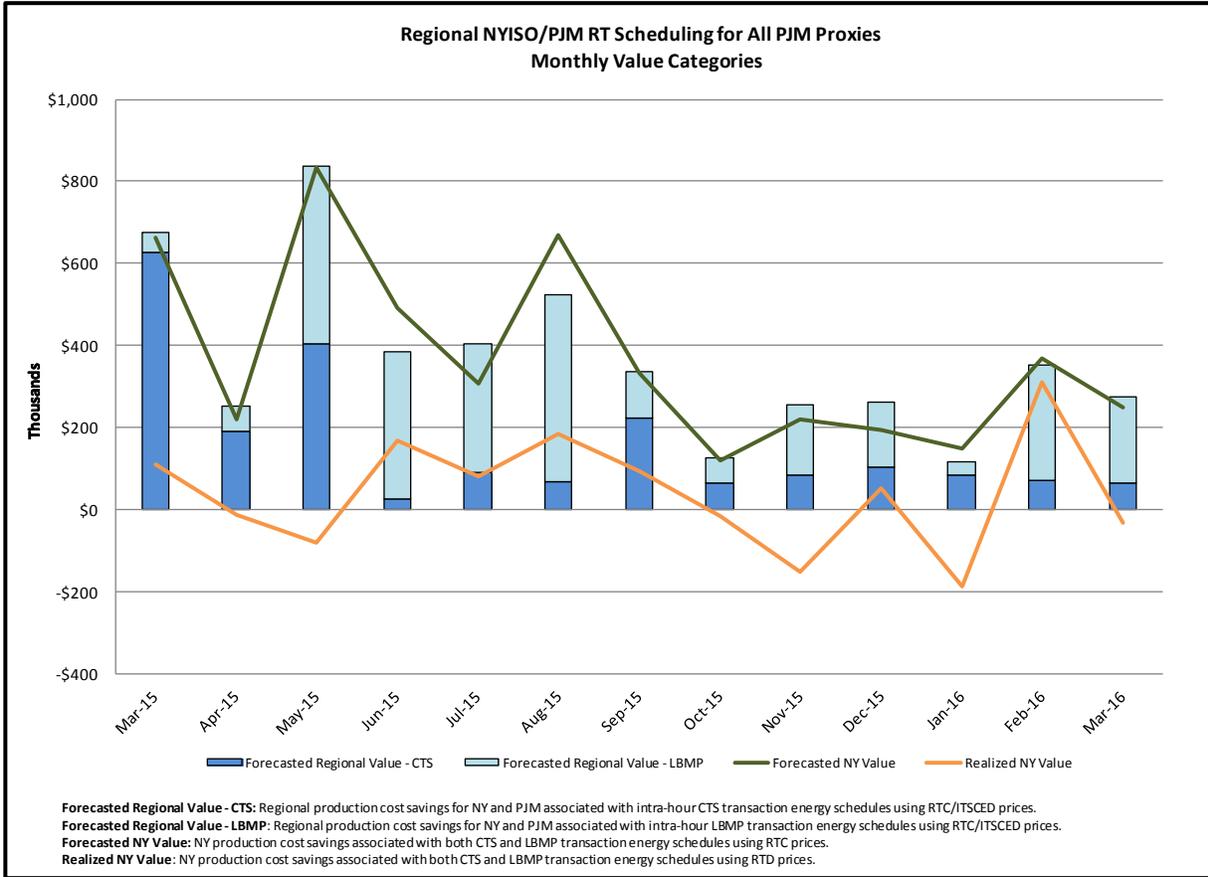
Regional Generation Congestion Coordination

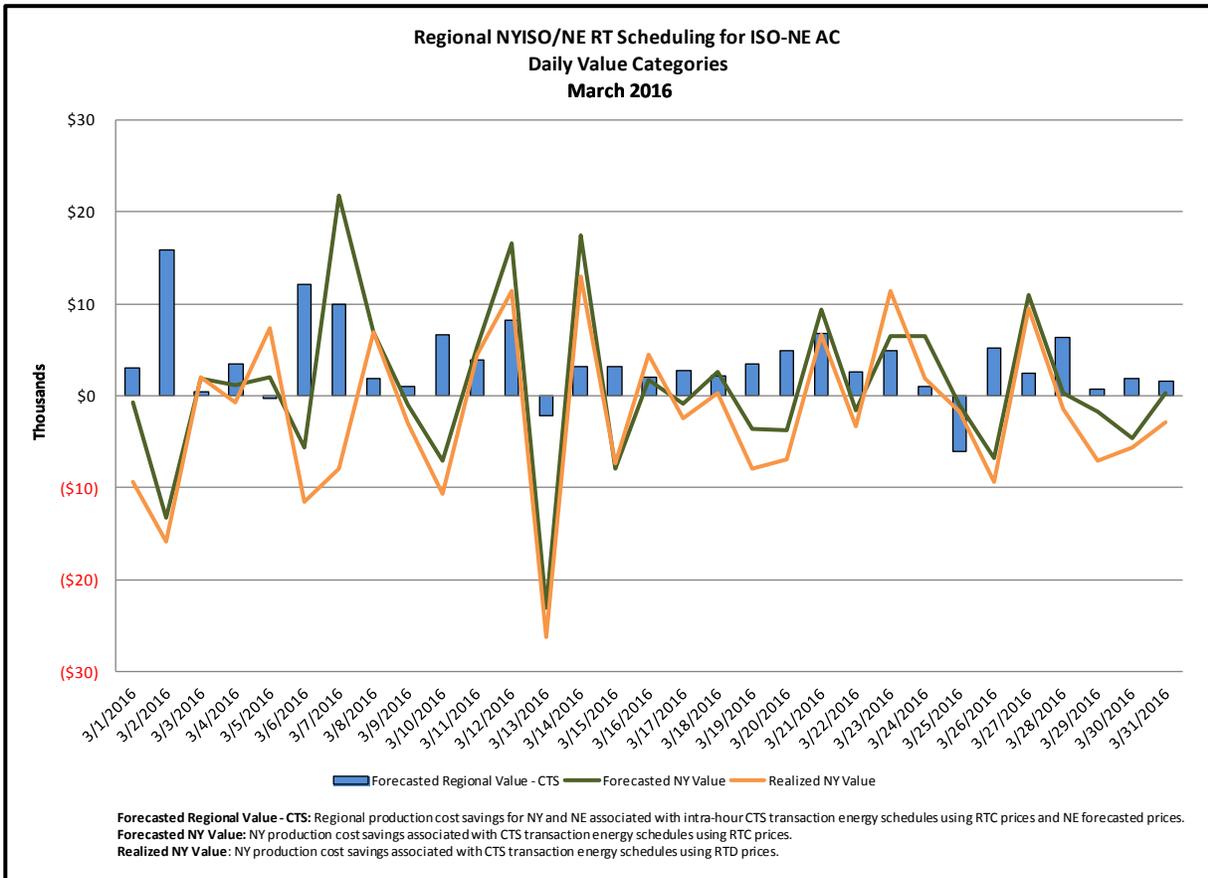
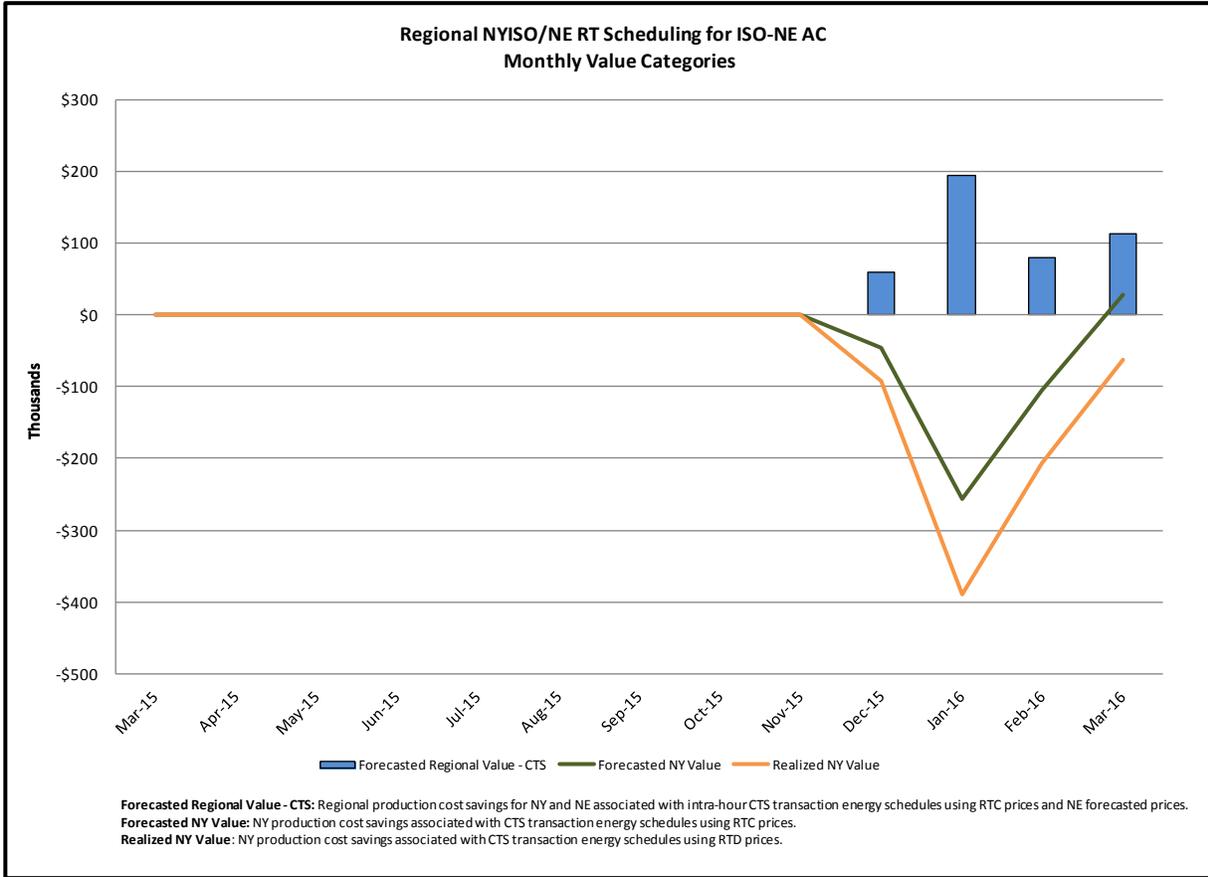
Category

NY

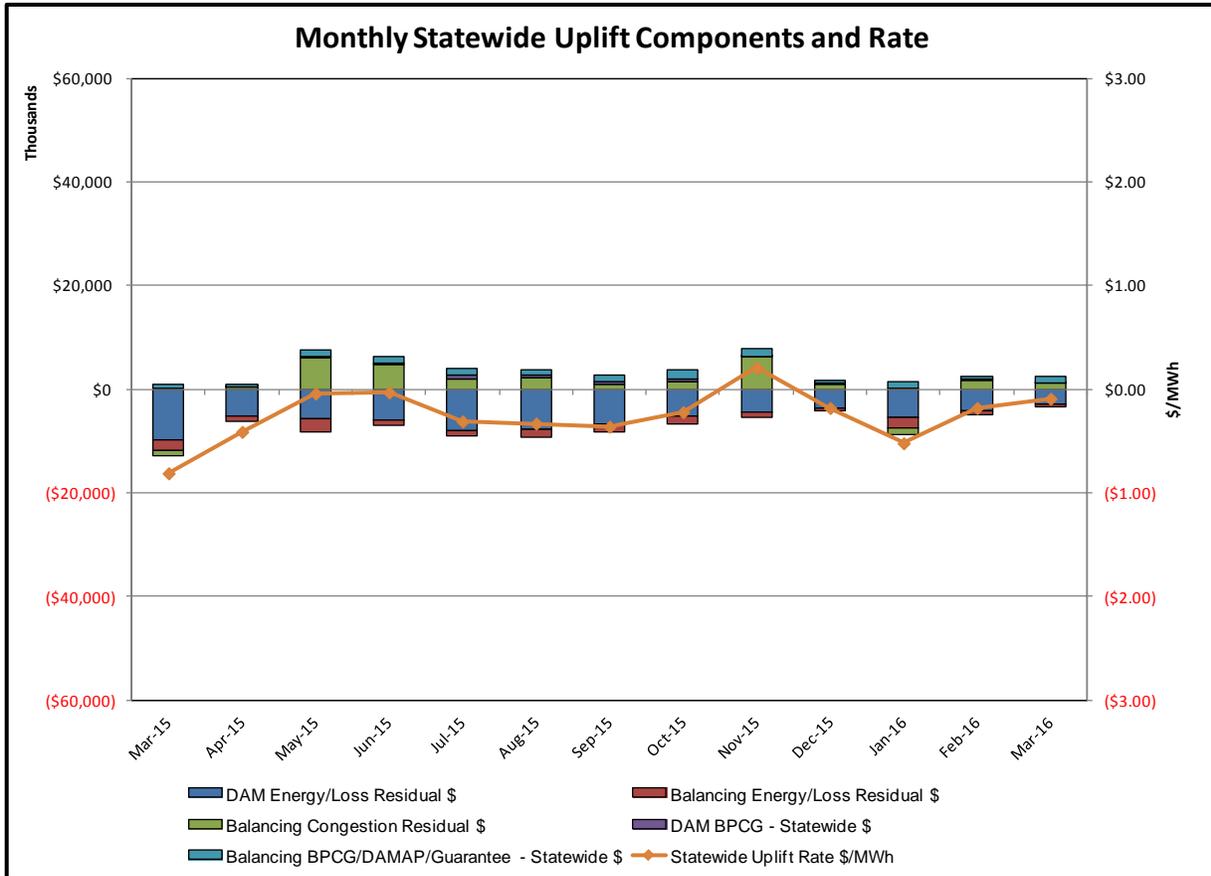
Description

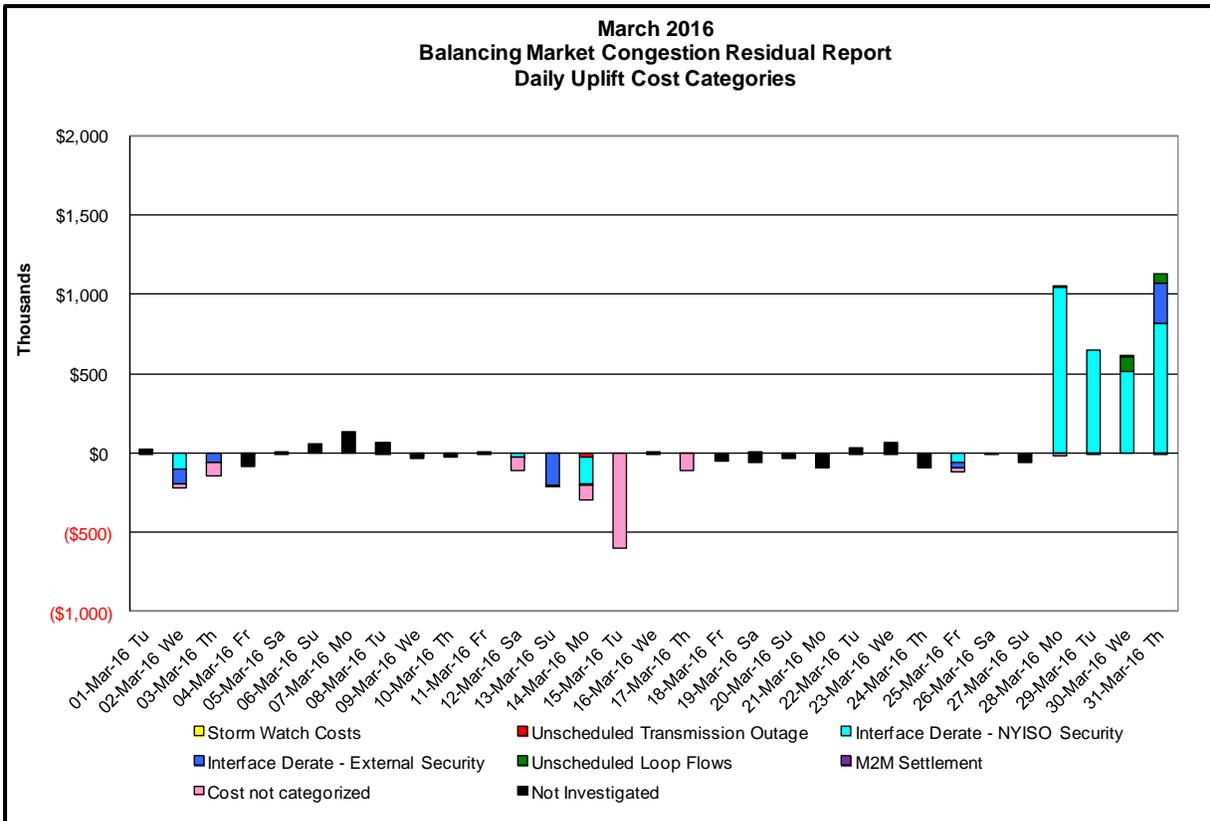
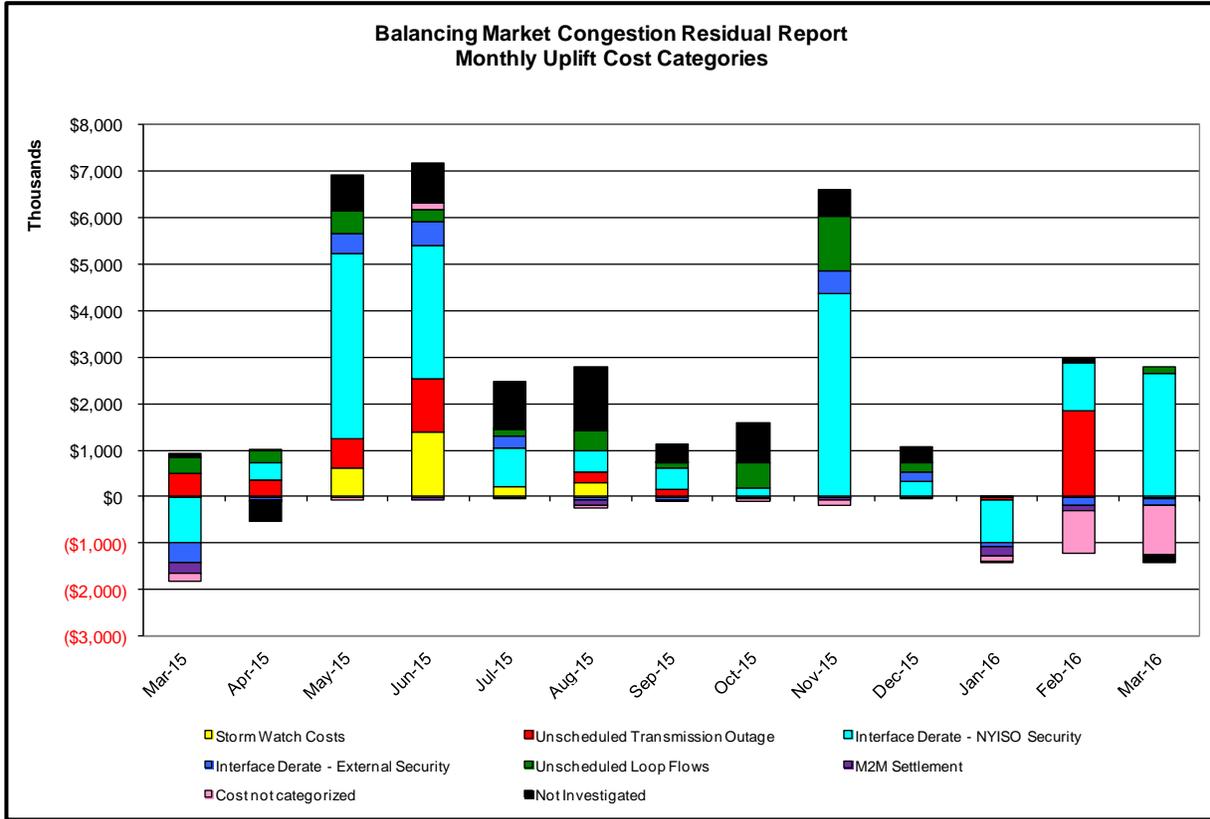
NYISO savings that result from PJM payments to NYISO when PJM's transmission use (PJM's market flow) is greater than PJM's entitlement of the NY transmission system and NYISO is incurring Western or Central NY congestion. Additionally, NYISO savings may result from the more efficient regional utilization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





Market Performance Metrics





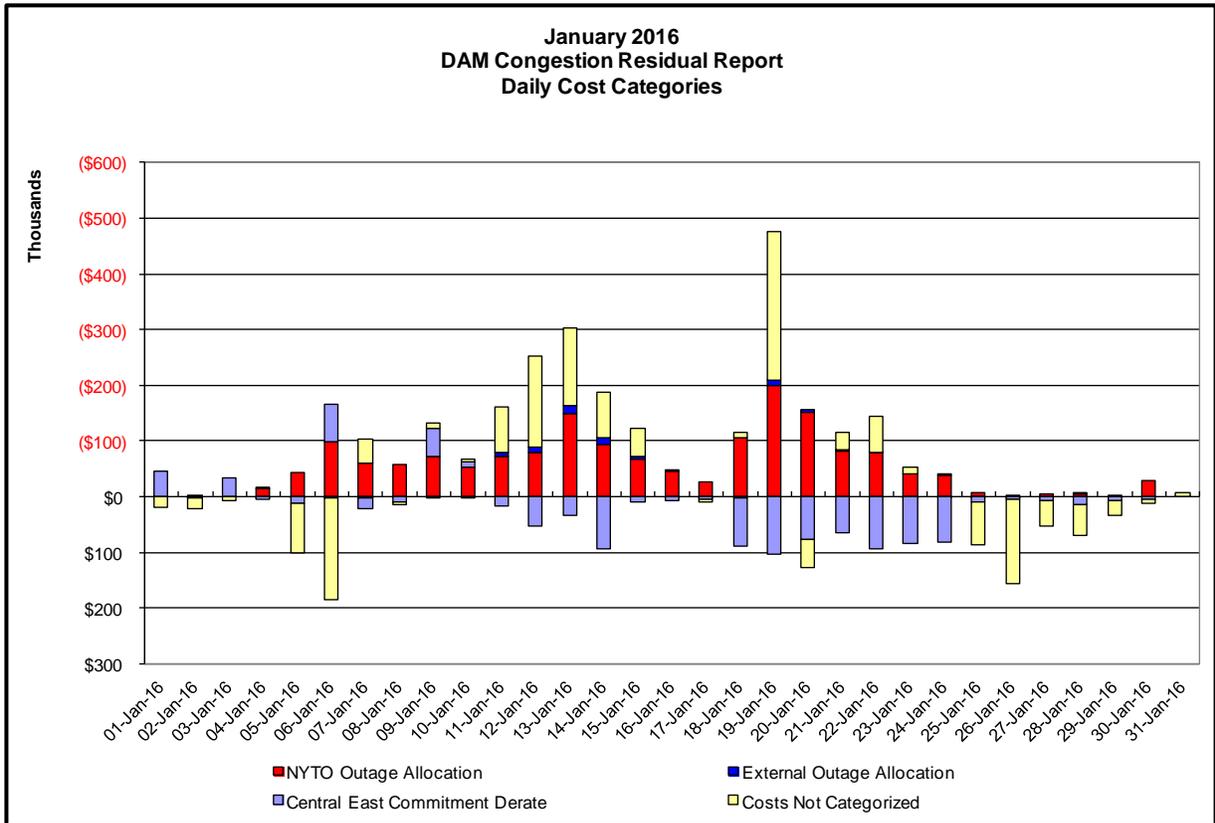
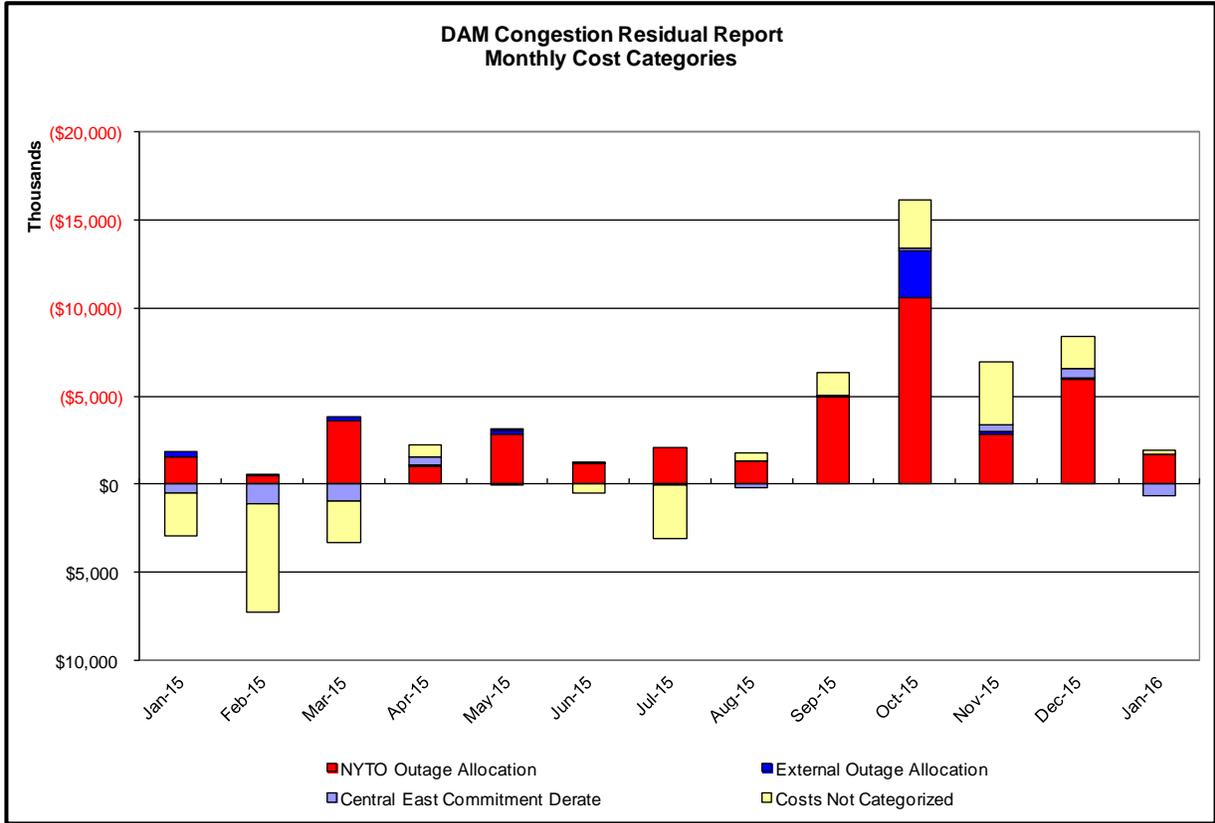
Day/s investigated in March: 2,3,12,13,14,15,17,25,28,29,30,31			
Event	Date (yyyymmdd)	Hours	Description
	3/2/2016	8,16,23	NYCA DNI Ramp Limit
	3/2/2016	8-11,14-18,23	Uprate Central East
	3/2/2016	16,23	IESO_AC DNI Ramp Limit
	3/2/2016	9,10,11,18	NE_AC-NY Scheduling Limit
	3/2/2016	8,9,15,18,20,23	NE_AC DNI Ramp Limit
	3/2/2016	14,15	NE_NNC1385-NY Scheduling Limit
	3/3/2016	20	HQ_CHAT-NY Scheduling Limit
	3/3/2016	7,10	NE_AC-NY Scheduling Limit
	3/3/2016	7	NE_AC DNI Ramp Limit -\$1k]
	3/3/2016	13	NE_NNC1385-NY Scheduling Limit
	3/12/2016	7,13,16,23	Uprate Central East
	3/12/2016	23	IESO_AC DNI Ramp Limit
	3/13/2016	1	Derate Central East
	3/13/2016	23	Uprate Central East
	3/13/2016	9,10,12-15	NE_AC-NY Scheduling Limit
	3/13/2016	6,10	NE_AC DNI Ramp Limit
	3/14/2016	16,17	Early Return to Service Beck-Packard 230kV (#BP76)
	3/14/2016	0	NYCA DNI Ramp Limit
	3/14/2016	3	Derate Central East
	3/14/2016	3,6	NE_AC DNI Ramp Limit
	3/14/2016	6	NE_AC-NY Scheduling Limit
	3/15/2016	7	Uprate Central East
	3/17/2016	23	Uprate Central East
	3/25/2016	7	NYCA DNI Ramp Limit
	3/25/2016	10-15	Uprate Central East
	3/25/2016	21	Derate Packard-Sawyer 230kV (#77) for I/o Robinson Road-Stolle Road 230kV (#65)
	3/25/2016	7,10-12,14	NE_AC DNI Ramp Limit
	3/28/2016	12,15,17,23	NYCA DNI Ramp Limit
	3/28/2016	7,21	Uprate Central East
	3/28/2016	11-20,22,23	Derate Gardenville-Stolle Road 230kV (#66) for I/o SCB:PACKARD(R0506):62&77&BP76
	3/28/2016	15-20,22,23	Derate Packard-Sawyer 230kV (#77) for I/o Gardenville-Stolle Road 230kV (#66)
	3/28/2016	8,10-14	Derate Packard-Sawyer 230kV (#77) for I/o Robinson Road-Stolle Road 230kV (#65)
	3/28/2016	10,11,13,17	Derate Rainey-Vernon 138kV (#36312)
	3/28/2016	20	PJM DNI Ramp Limit
	3/29/2016	12,13	NYCA DNI Ramp Limit
	3/29/2016	19,20	Derate Dunwoodie-Shore Road 345kV (#Y50) for SCB:SPNBK(RNS2):Y49&M29&Y49_ST
	3/29/2016	15	Derate East 179th Street-Hell Gate West 138kV (#15055)
	3/29/2016	7,10-15,20,22,23	Derate Gardenville-Stolle Road 230kV (#66) for I/o SCB:PACKARD(R0506):62&77&BP76
	3/29/2016	15	Derate Greenwood-Kentave 138kV (#31232) for I/o Rainey-Vernon 138kV (#36312)
	3/29/2016	7,10-15	Derate Packard-Sawyer 230kV (#77) for I/o Gardenville-Stolle Road 230kV (#66)
	3/29/2016	19-23	Derate Packard-Sawyer 230kV (#77) for I/o Robinson Road-Stolle Road 230kV (#65)
	3/29/2016	15	Derate Rainey-Vernon 138kV (#36312)
	3/29/2016	0-6,8	Uprate Central East
	3/30/2016	23	NYCA DNI Ramp Limit
	3/30/2016	16	Derate Central East
	3/30/2016	23	Uprate Central East
	3/30/2016	1,3,20,21	Derate Dunwoodie-Shore Road 345kV (#Y50)
	3/30/2016	19,20	Derate East 179th Street-Hell Gate West 138kV (#15055)
	3/30/2016	7,8	Derate Edic-Marcy 345kV (#UE1-7) for I/o TWR:12& UNS-18
	3/30/2016	1,3,7,17,19,21,22	Derate Gardenville-Stolle Road 230kV (#66) for I/o SCB:PACKARD(R0506):62&77&BP76
	3/30/2016	20,21	Derate Huntley-Sawyer 230kV (#80) for I/o Niagara-Robinson Road 230kV (#64)
	3/30/2016	16-20	Derate Packard-Sawyer 230kV (#77) for I/o Gardenville-Stolle Road 230kV (#66)
	3/30/2016	1,3,7,9-12,14	Derate Packard-Sawyer 230kV (#77) for I/o Robinson Road-Stolle Road 230kV (#65)
	3/30/2016	7-9,19	Derate Rainey-Vernon 138kV (#36312)
	3/30/2016	9,19,20	Derate Rainey-Vernon 138kV (#36311)
	3/30/2016	7-9,19,20	Derate Gowanus-Greenwood 138kV (#42231) for I/o TWR:GOETHALS 22 & 21
	3/30/2016	7-9,19,20	Derate Gowanus-Greenwood 138kV (#42232) for I/o TWR:GOETHALS 22 & 21
	3/30/2016	18	Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Central East, Packard-Sawyer 230kV (#77)
	3/31/2016	7,11	NYCA DNI Ramp Limit
	3/31/2016	10,20	Uprate Central East
	3/31/2016	9,11,13,15-18	Derate East 179th Street-Hell Gate West 138kV (#15055)
	3/31/2016	10	Uprate Farragut-Hudson Avenue 138kV (#32711)
	3/31/2016	6-8,11-13	Derate Gardenville-Stolle Road 230kV (#66) for I/o SCB:PACKARD(R0506):62&77&BP76
	3/31/2016	6,11,12	Derate Marcy 765/345kV (#BK1) for I/o TWR:MOSES MA1 & MA2
	3/31/2016	7,8,11	Derate Packard-Sawyer 230kV (#77) for I/o Robinson Road-Stolle Road 230kV (#65)
	3/31/2016	8,9,11-18	Derate Rainey-Vernon 138kV (#36312)
	3/31/2016	8,9,11-18	Derate West 49th Street-Sprainbrook 345kV (#M51)
	3/31/2016	10	NE_AC DNI Ramp Limit
	3/31/2016	4,5	PJM_AC-NY Scheduling Limit
	3/31/2016	12,13	Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Central East, Gardenville-Stolle Road 230kV (#66)

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

<u>Category</u>	<u>Cost Assignment</u>	<u>Events Types</u>	<u>Event Examples</u>
Storm Watch	Zone J	Thunderstorm Alert (TSA)	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	

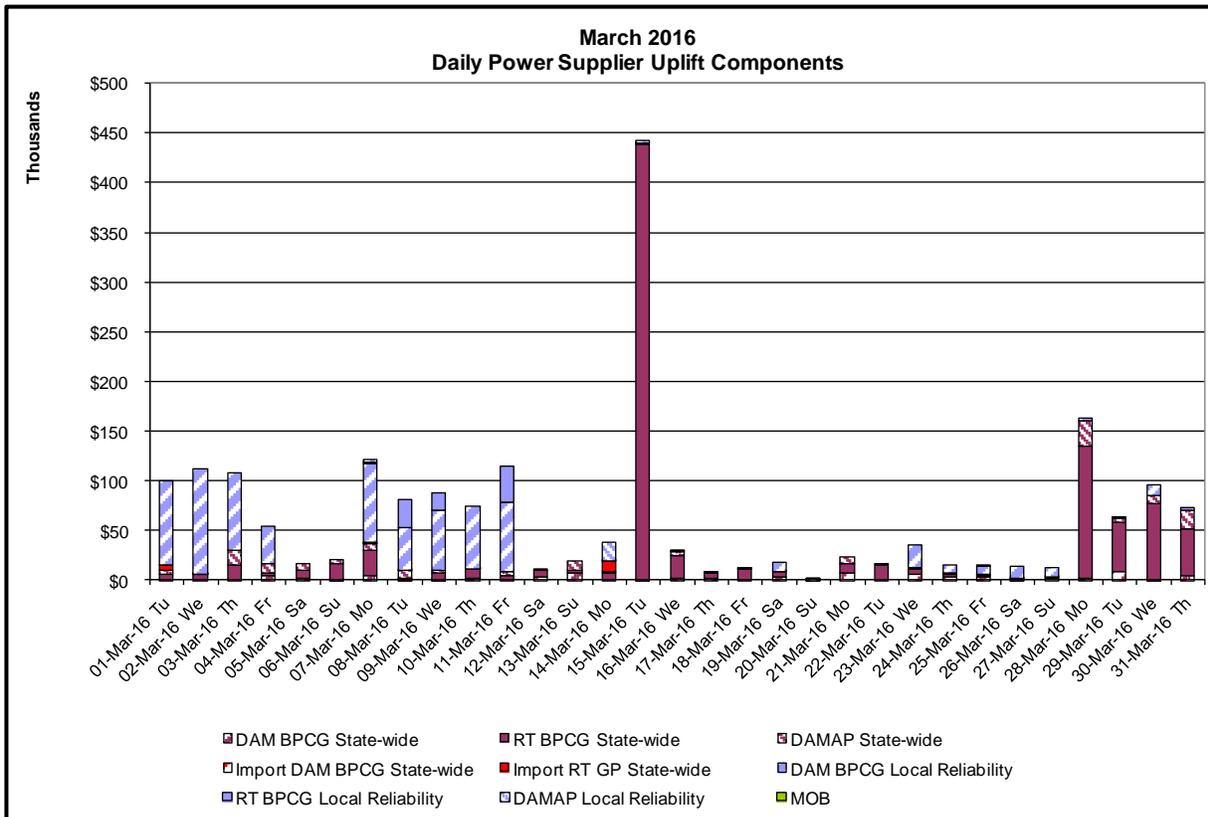
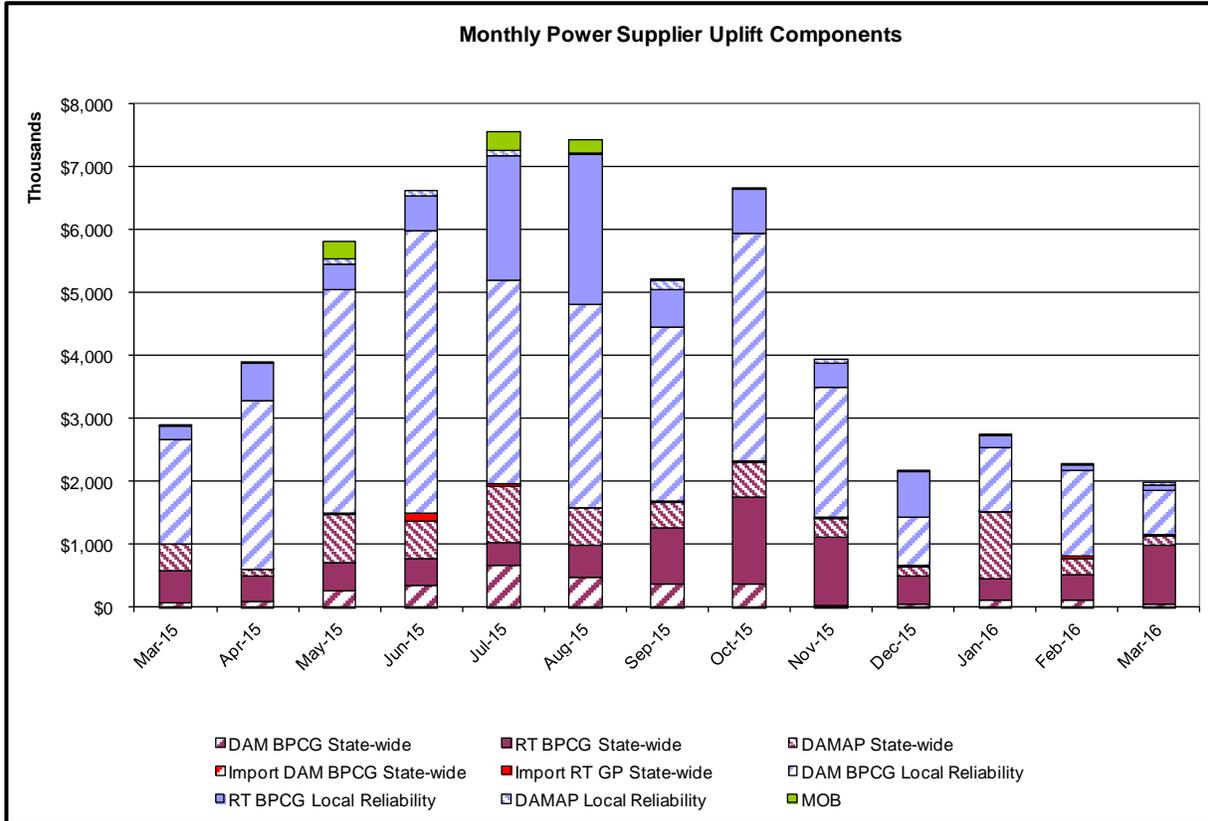
Monthly Balancing Market Congestion Report Assumptions/Notes

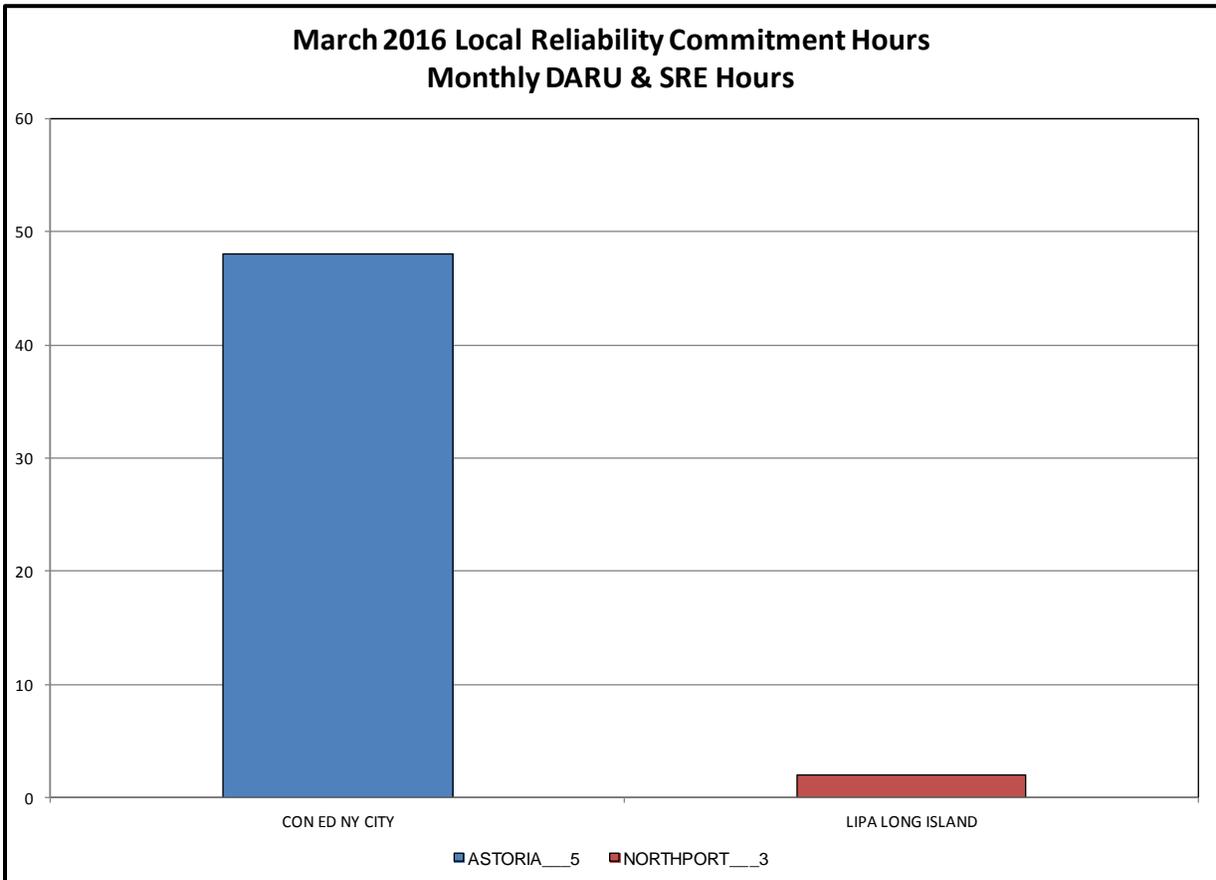
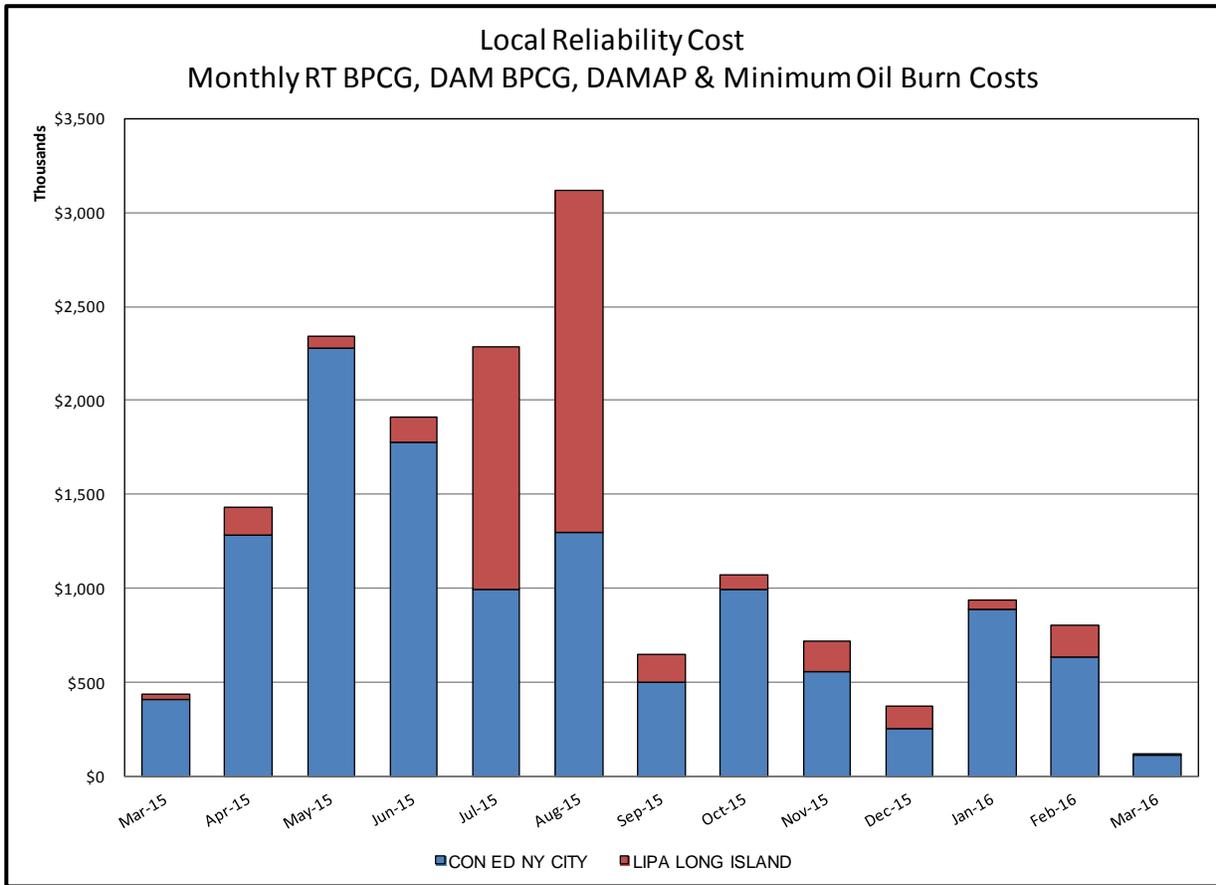
- 1) Storm Watch Costs are identified as daily total uplift costs
- 2) Days with a value of BMCR less M2M Settlement of \$100K/HR, shortfall of \$200K/Day or more, or surplus of \$100K/Day or more are investigated.
- 3) Uplift costs associated with multiple event types are apportioned equally by hour

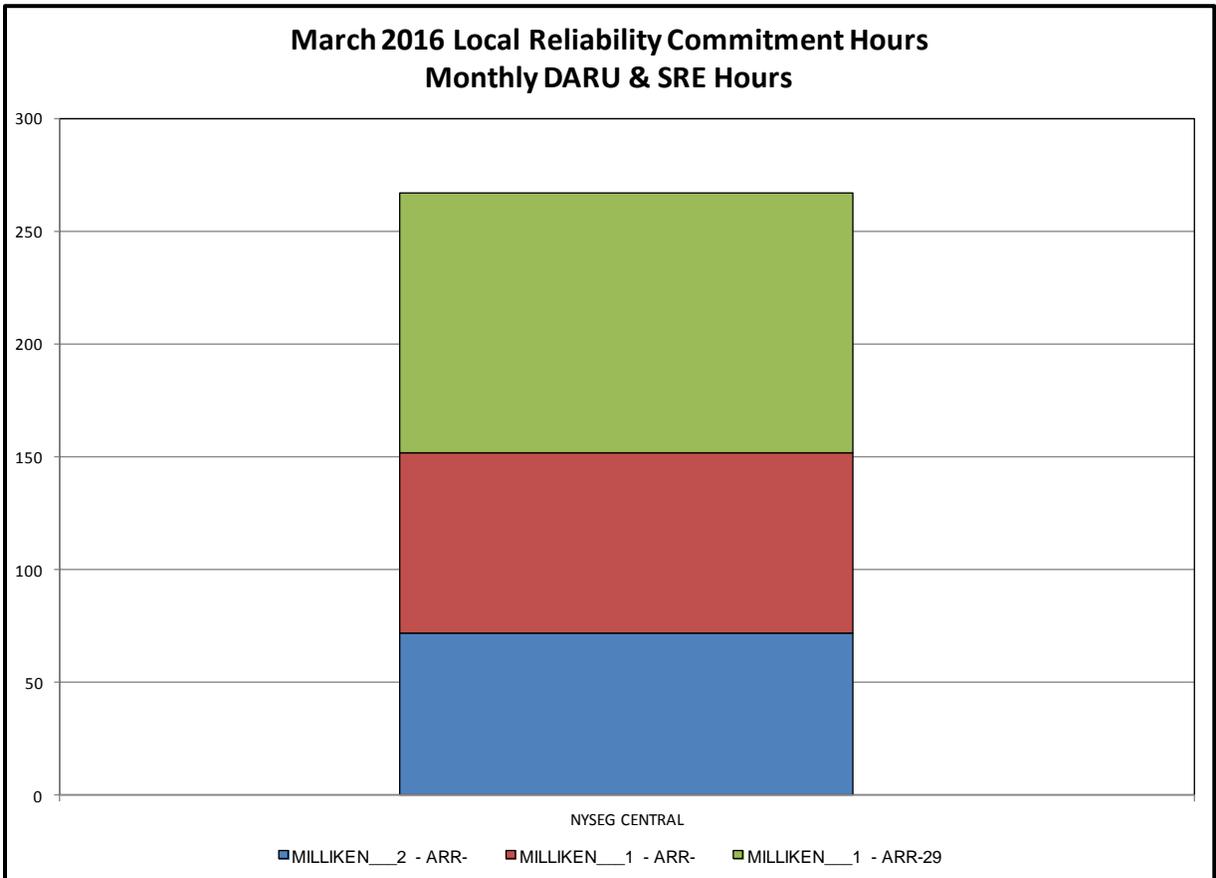
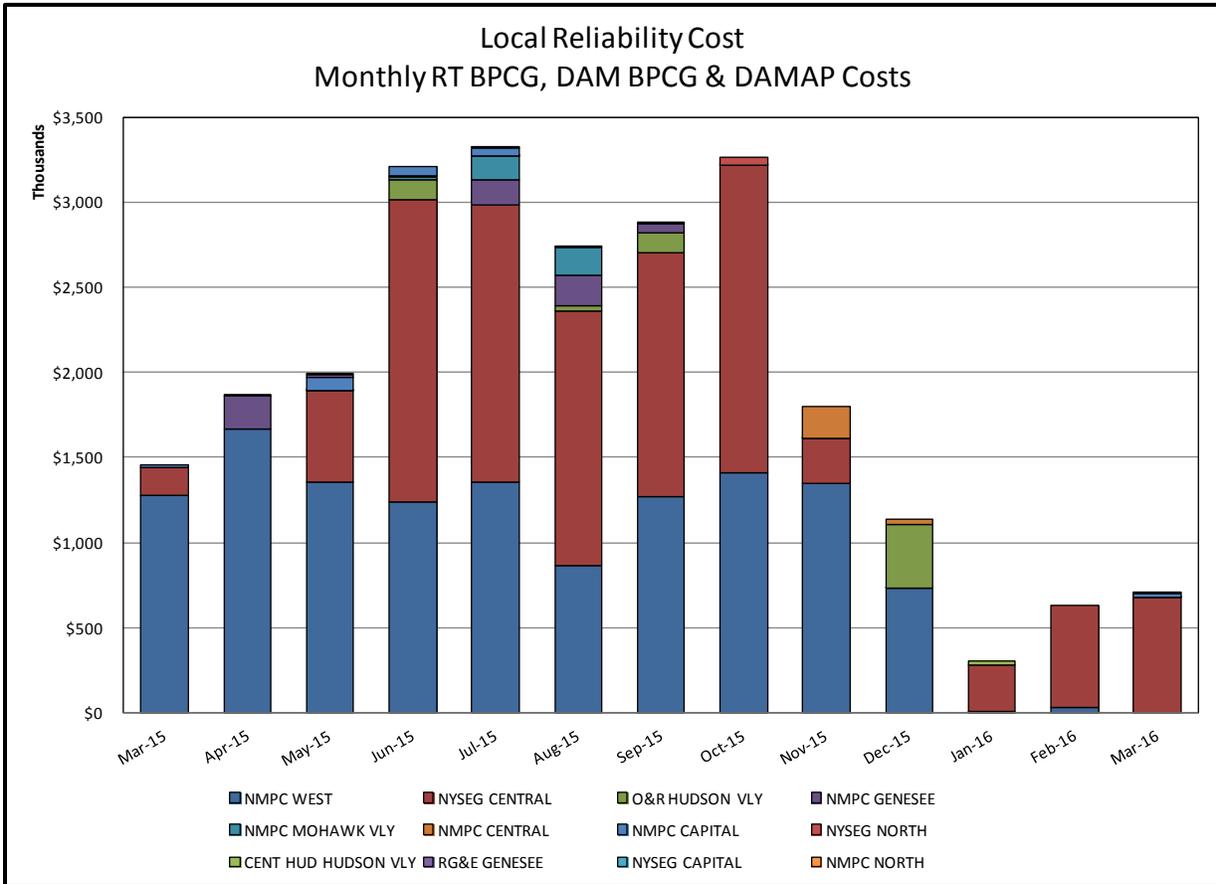


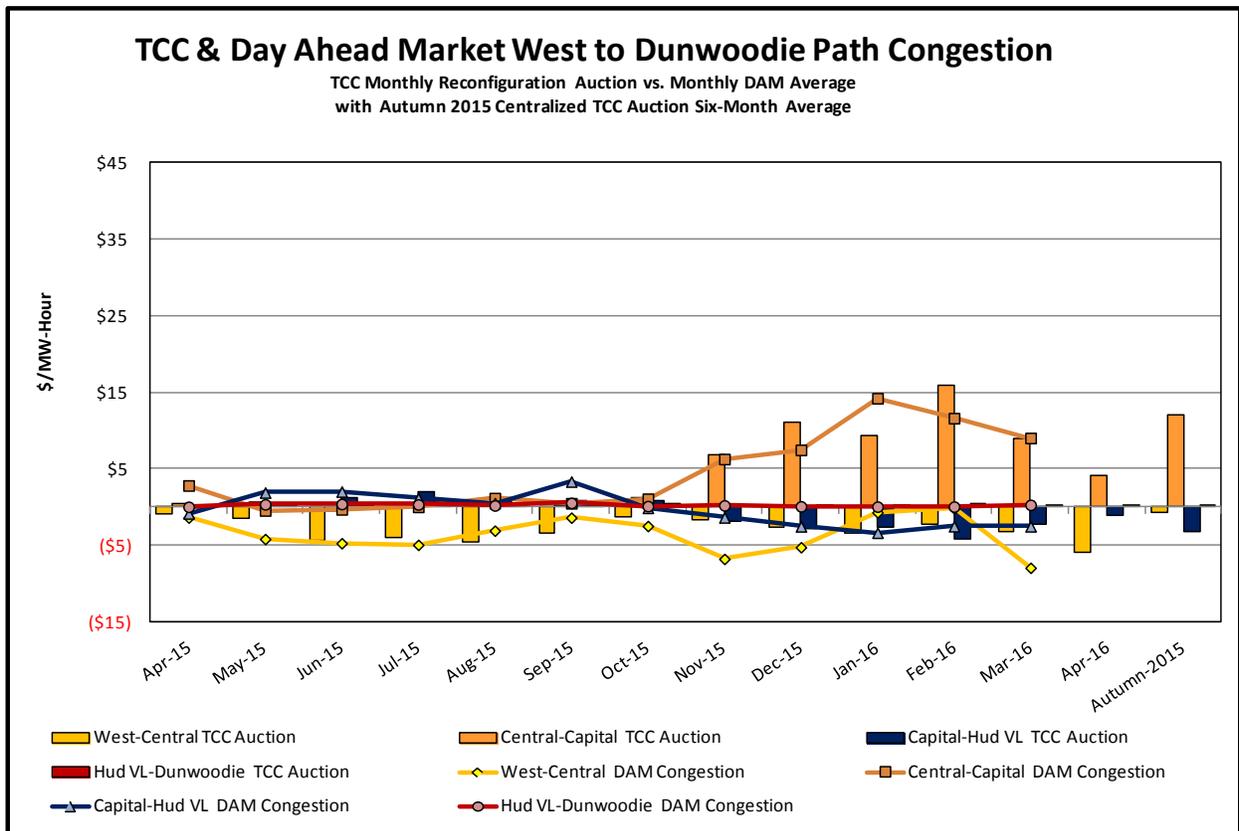
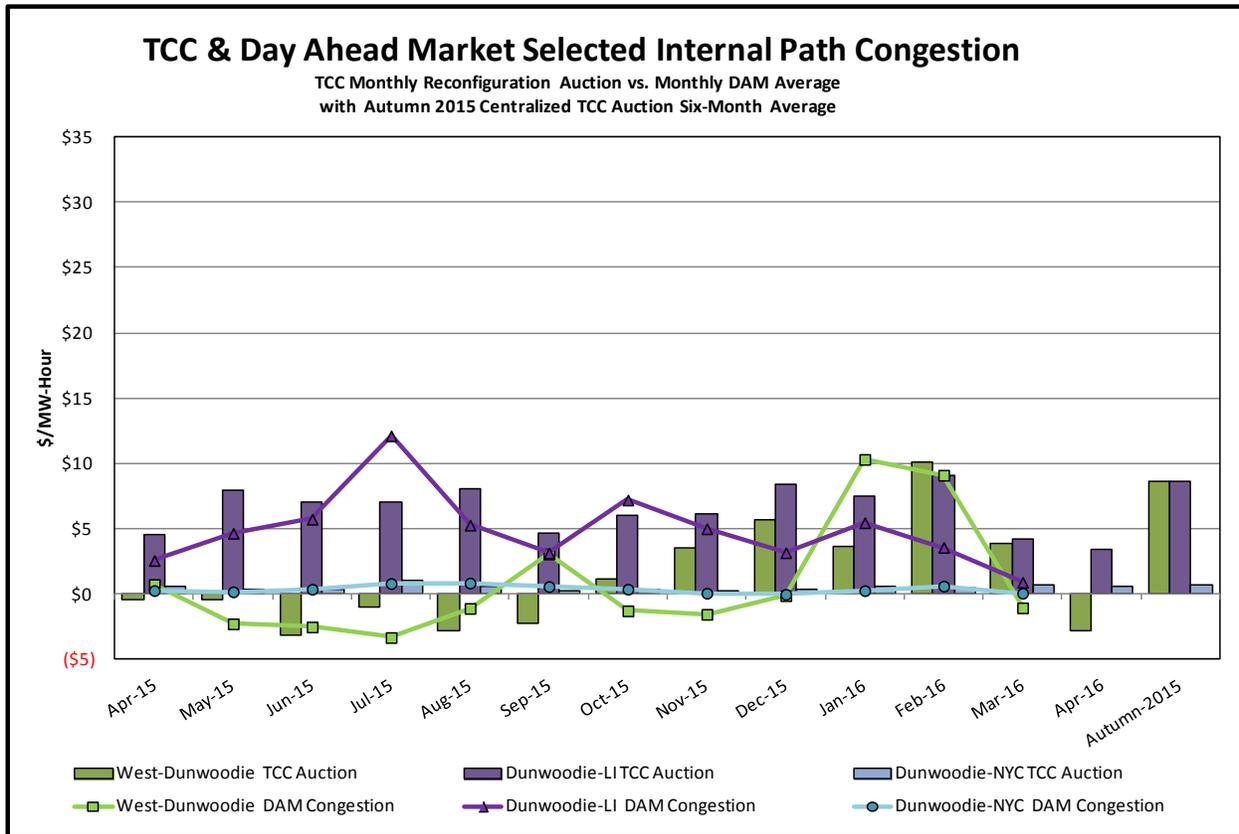
Day-Ahead Market Congestion Residual Categories

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



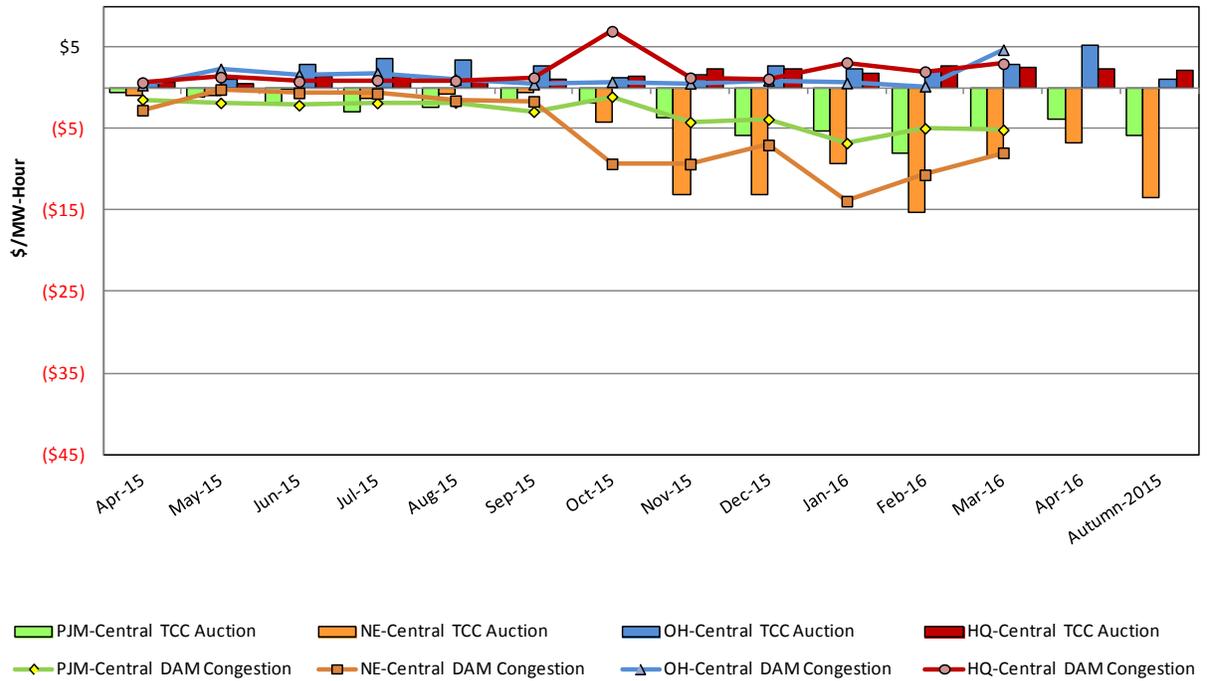


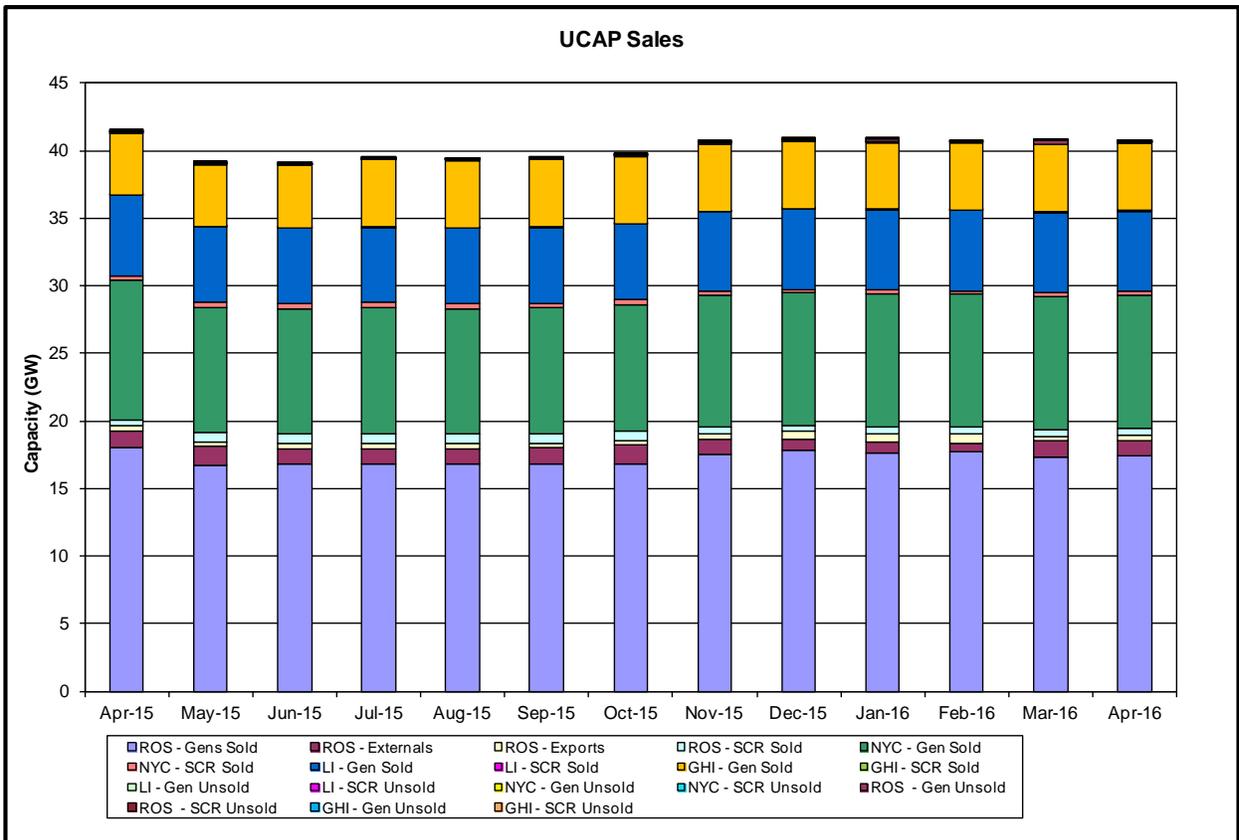
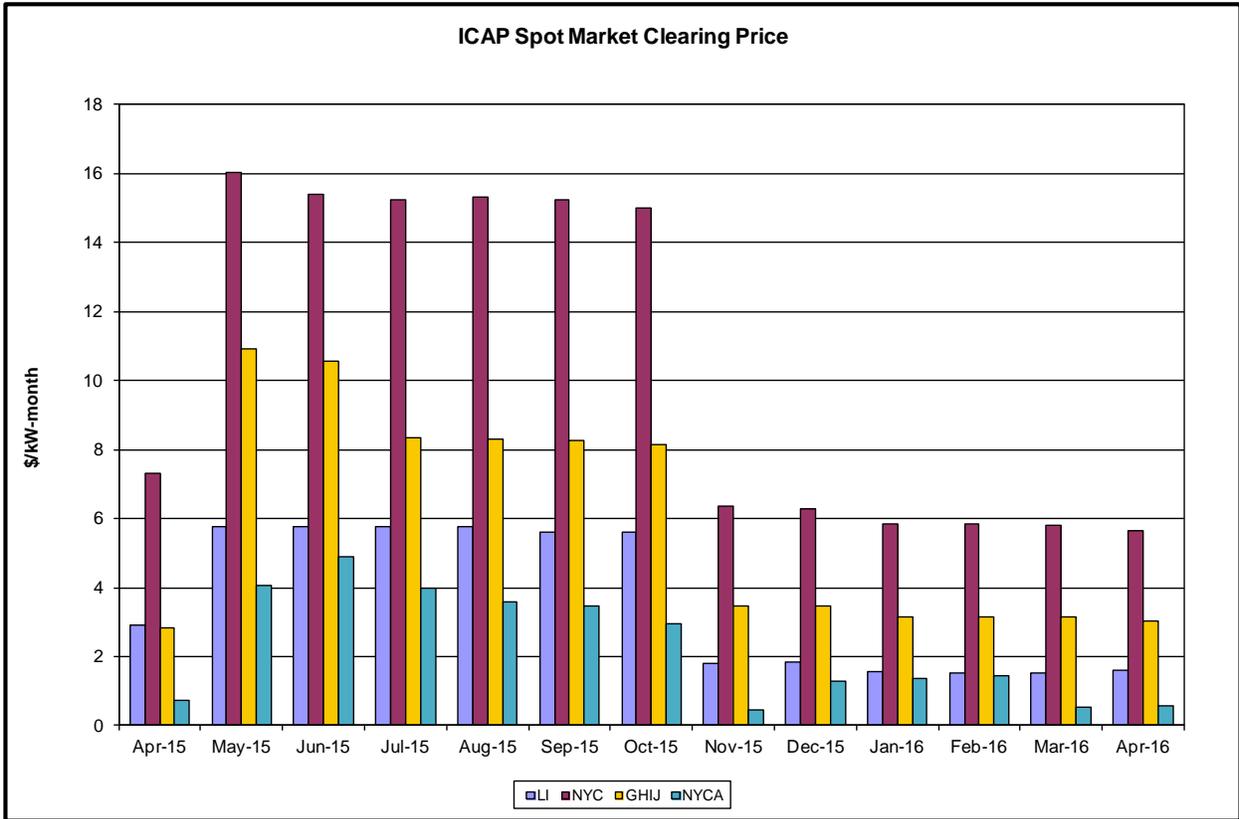




TCC & Day Ahead Market Selected External Path Congestion

TCC Monthly Reconfiguration Auction vs. Monthly DAM Average
with Autumn 2015 Centralized TCC Auction Six-Month Average

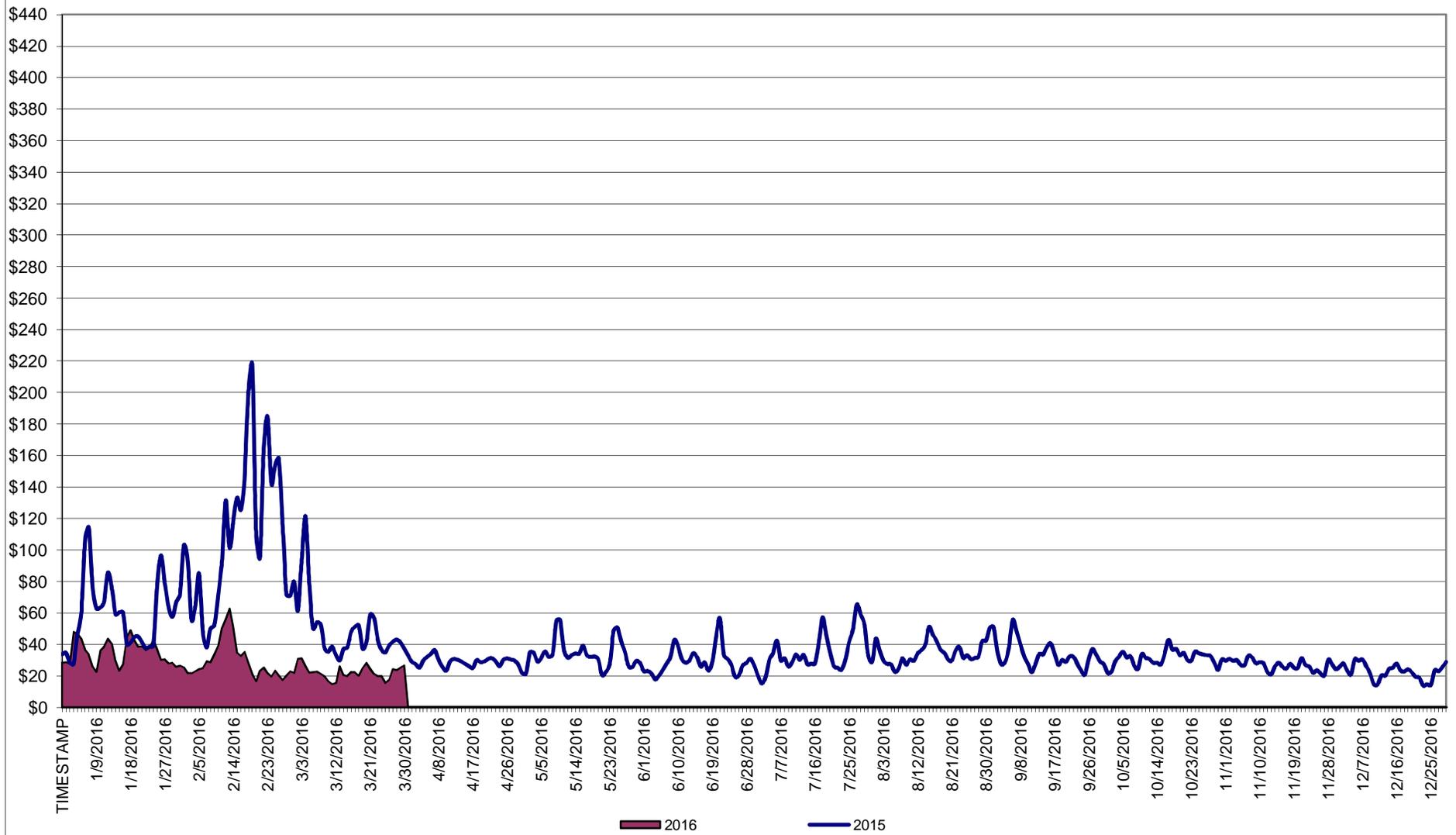




Market Performance Highlights for March 2016

- **LBMP for March is \$20.66/MWh; lower than \$28.71/MWh in February 2016 and \$52.09/MWh in March 2015.**
 - Day Ahead and Real Time Load Weighted LBMPs are lower compared to February.
 - This is the lowest LBMP for any month during NYISO operation.
- **March 2016 average year-to-date monthly cost of \$30.68/MWh is a 60% decrease from \$76.64/MWh in March 2015.**
- **Average daily sendout is 397 GWh/day in March; lower than 436 GWh/day in February 2016 and 436 GWh/day in March 2015.**
- **Natural gas prices were lower compared to the previous month and distillate prices were higher compared to the previous month.**
 - Natural Gas (Transco Z6 NY) was \$1.30/MMBtu, down from \$3.01/MMBtu in February.
 - Natural gas prices are down 65% year-over-year
 - Lowest monthly average gas price in NYISO operation.
 - Jet Kerosene Gulf Coast was \$7.96/MMBtu, up from \$7.22/MMBtu in February.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$8.54/MMBtu, up from \$7.41/MMBtu in February.
 - Distillate prices are down 33% year-over-year
- **Uplift per MWh is higher compared to the previous month.**
 - Uplift (not including NYISO cost of operations) is (\$0.03)/MWh; higher than (\$0.07)/MWh in February.
 - The Local Reliability Share is \$0.06/MWh, lower than \$0.11 in February.
 - The Statewide Share is (\$0.09)/MWh, higher than (\$0.18)/MWh in February.
 - TSA \$ per NYC MWh is \$0.05/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than February.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)*
 2015 Annual Average \$44.10/MWh
 March 2015 YTD Average \$76.64/MWh
 March 2016 YTD Average \$30.68/MWh



* Excludes ICAP payments.

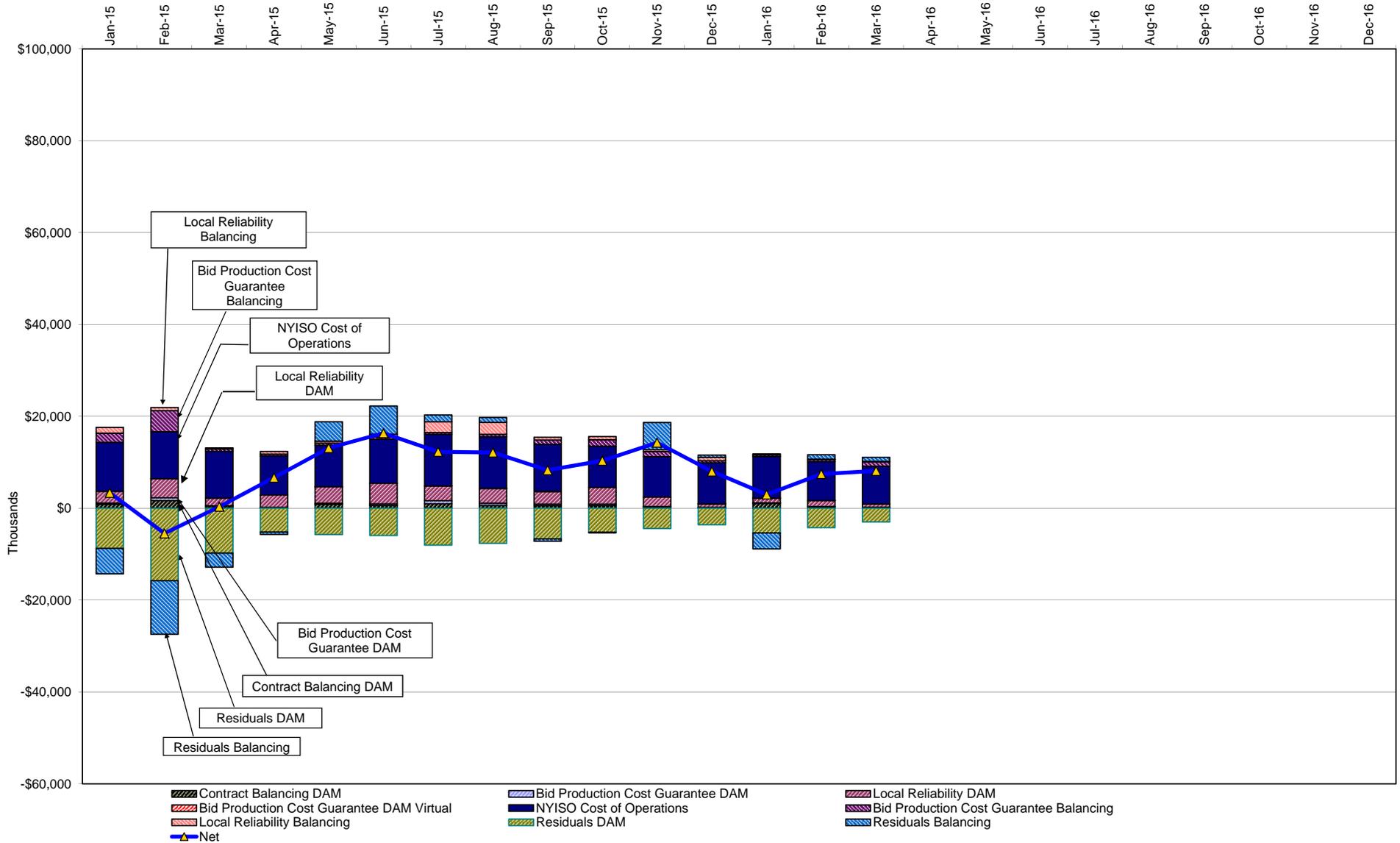
NYISO Average Cost/MWh (Energy and Ancillary Services) *
from the LBMP Customer point of view

2016	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	34.29	28.71	20.66									
NTAC	0.59	0.78	0.62									
Reserve	0.77	0.73	0.73									
Regulation	0.12	0.12	0.12									
NYISO Cost of Operations	0.64	0.65	0.65									
FERC Fee Recovery	0.09	0.10	0.11									
Uplift	(0.43)	(0.07)	(0.03)									
Uplift: Local Reliability Share	0.09	0.11	0.06									
Uplift: Statewide Share	(0.52)	(0.18)	(0.09)									
Voltage Support and Black Start	0.35	0.36	0.36									
Avg Monthly Cost	36.42	31.37	23.23									
Avg YTD Cost	36.42	34.02	30.68									
TSA \$ per NYC MWh	0.00	0.00	0.05									
2015	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	59.61	114.37	52.09	28.36	32.98	28.20	34.77	33.09	34.40	30.05	24.83	20.90
NTAC	0.32	0.35	0.41	0.64	0.56	0.80	0.54	0.60	0.63	0.53	0.68	1.06
Reserve	0.27	0.37	0.56	0.36	0.38	0.24	0.27	0.20	0.28	0.28	0.47	0.60
Regulation	0.10	0.18	0.11	0.12	0.10	0.13	0.12	0.12	0.10	0.12	0.13	0.13
NYISO Cost of Operations	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.69	0.70	0.69
Uplift	(0.48)	(1.08)	(0.68)	(0.15)	0.26	0.33	0.04	0.03	(0.15)	0.10	0.44	(0.07)
Uplift: Local Reliability Share	0.25	0.33	0.13	0.27	0.30	0.37	0.35	0.36	0.22	0.33	0.20	0.12
Uplift: Statewide Share	(0.73)	(1.41)	(0.81)	(0.42)	(0.05)	(0.04)	(0.30)	(0.33)	(0.37)	(0.23)	0.25	(0.18)
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	0.38
Avg Monthly Cost	60.91	115.27	53.58	30.41	35.37	30.79	36.84	35.14	36.35	32.18	27.64	23.70
Avg YTD Cost	60.91	87.74	76.64	66.82	60.96	56.02	52.77	50.20	48.59	47.17	45.66	44.10
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	0.00
2014	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	183.36	123.19	109.58	46.09	40.30	43.39	43.97	34.48	37.63	35.61	42.89	38.08
NTAC	0.56	0.64	0.39	1.18	0.69	0.78	0.43	0.41	0.50	0.57	0.68	0.86
Reserve	0.78	0.49	0.56	0.46	0.28	0.27	0.26	0.26	0.29	0.48	0.37	0.23
Regulation	0.27	0.21	0.22	0.13	0.12	0.12	0.12	0.13	0.11	0.12	0.11	0.08
NYISO Cost of Operations	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Uplift	0.22	0.56	0.35	(0.09)	0.07	(0.21)	(0.26)	(0.19)	(0.20)	(0.24)	(0.40)	(0.20)
Uplift: Local Reliability Share	1.43	0.75	0.62	0.15	0.51	0.32	0.29	0.27	0.26	0.26	0.24	0.13
Uplift: Statewide Share	(1.21)	(0.19)	(0.27)	(0.24)	(0.44)	(0.53)	(0.55)	(0.45)	(0.46)	(0.50)	(0.64)	(0.33)
Voltage Support and Black Start	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
Avg Monthly Cost	186.24	126.14	112.15	48.82	42.51	45.39	45.57	36.14	39.38	37.59	44.71	40.09
Avg 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

* Excludes ICAP payments.
Market Mitigation and Analysis
Prepared: 4/5/2016 1:04 PM

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

NYISO Dollar Flows - Uplift- OATT Schedule 1 components - Data through March 31, 2016



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

2016	January	February	March	April	May	June	July	August	September	October	November	December
Day Ahead Market MWh	14,760,915	13,614,754	13,413,781									
DAM LSE Internal LBMP Energy Sales	54%	55%	55%									
DAM External TC LBMP Energy Sales	4%	2%	1%									
DAM Bilateral - Internal Bilaterals	34%	34%	35%									
DAM Bilateral - Import/Non-LBMP Market Bilaterals	5%	5%	5%									
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	1%	2%									
DAM Bilateral - Wheel Through Bilaterals	2%	2%	2%									
Balancing Energy Market MWh	-522,919	-580,900	-741,701									
Balancing Energy LSE Internal LBMP Energy Sales	-125%	-114%	-118%									
Balancing Energy External TC LBMP Energy Sales	12%	13%	19%									
Balancing Energy Bilateral - Internal Bilaterals	19%	9%	4%									
Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals	0%	0%	0%									
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	6%	5%	3%									
Balancing Energy Bilateral - Wheel Through Bilaterals	-12%	-12%	-8%									
Transactions Summary												
LBMP	56%	56%	54%									
Internal Bilaterals	36%	36%	37%									
Import Bilaterals	5%	5%	6%									
Export Bilaterals	2%	2%	2%									
Wheels Through	1%	1%	1%									
Market Share of Total Load												
Day Ahead Market	103.7%	104.5%	105.9%									
Balancing Energy +	-3.7%	-4.5%	-5.9%									
Total MWh	14,237,996	13,033,853	12,672,080									
Average Daily Energy Sendout/Month GWh	439	436	397									

2015	January	February	March	April	May	June	July	August	September	October	November	December
Day Ahead Market MWh	15,961,306	14,967,371	15,059,207	12,589,321	13,291,917	14,277,299	16,573,027	16,333,932	14,740,907	13,546,033	13,338,332	13,620,002
DAM LSE Internal LBMP Energy Sales	55%	54%	53%	55%	57%	57%	62%	61%	58%	53%	53%	55%
DAM External TC LBMP Energy Sales	5%	6%	6%	4%	2%	1%	1%	1%	3%	6%	5%	1%
DAM Bilateral - Internal Bilaterals	35%	33%	33%	33%	35%	33%	30%	31%	31%	34%	33%	35%
DAM Bilateral - Import/Non-LBMP Market Bilaterals	3%	5%	5%	6%	4%	5%	4%	4%	5%	5%	5%	5%
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	1%	2%	1%	1%	1%	1%	1%	2%	2%	2%
DAM Bilateral - Wheel Through Bilaterals	0%	1%	1%	1%	0%	2%	2%	2%	2%	1%	2%	2%
Balancing Energy Market MWh	-650,944	-296,616	-396,739	-409,205	-331,091	-549,794	-505,637	-228,461	-33,268	-604,600	-718,787	-628,903
Balancing Energy LSE Internal LBMP Energy Sales	-149%	-247%	-192%	-147%	-142%	-106%	-120%	-139%	-345%	-115%	-110%	-116%
Balancing Energy External TC LBMP Energy Sales	30%	113%	64%	36%	35%	16%	25%	50%	110%	12%	12%	17%
Balancing Energy Bilateral - Internal Bilaterals	13%	14%	19%	5%	6%	6%	13%	25%	239%	7%	4%	5%
Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	6%	8%	12%	12%	10%	4%	3%	8%	46%	5%	5%	7%
Balancing Energy Bilateral - Wheel Through Bilaterals	0%	12%	-4%	-5%	-9%	-22%	-21%	-44%	-149%	-9%	-11%	-13%
Transactions Summary												
LBMP	58%	59%	57%	57%	58%	57%	61%	61%	61%	56%	56%	54%
Internal Bilaterals	37%	34%	35%	35%	36%	35%	32%	32%	32%	36%	35%	37%
Import Bilaterals	3%	5%	5%	6%	4%	5%	5%	5%	5%	5%	6%	6%
Export Bilaterals	2%	2%	2%	2%	2%	1%	1%	1%	1%	2%	2%	2%
Wheels Through	0%	1%	1%	0%	0%	1%	1%	1%	1%	0%	1%	1%
Market Share of Total Load												
Day Ahead Market	104.3%	102.0%	102.7%	103.4%	102.6%	104.0%	103.1%	101.4%	100.2%	104.7%	105.7%	104.8%
Balancing Energy +	-4.3%	-2.0%	-2.7%	-3.4%	-2.6%	-4.0%	-3.1%	-1.4%	-0.2%	-4.7%	-5.7%	-4.8%
Total MWh	15,310,362	14,670,755	14,662,468	12,180,116	12,960,826	13,727,505	16,067,390	16,105,471	14,707,639	12,941,433	12,619,545	12,991,099
Average Daily Energy Sendout/Month GWh	462	481	436	387	409	450	512	511	473	389	396	408

+ 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>	<u>February</u>	<u>March</u>	<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>
<u>DAY AHEAD LBMP</u>												
Price *	\$31.01	\$25.76	\$18.63									
Standard Deviation	\$10.86	\$12.46	\$6.99									
Load Weighted Price **	\$32.13	\$26.75	\$19.37									
<u>RTC LBMP</u>												
Price *	\$26.12	\$24.10	\$16.41									
Standard Deviation	\$16.06	\$17.89	\$11.32									
Load Weighted Price **	\$27.16	\$25.29	\$17.11									
<u>REAL TIME LBMP</u>												
Price *	\$30.15	\$24.28	\$17.84									
Standard Deviation	\$60.09	\$18.19	\$15.06									
Load Weighted Price **	\$31.80	\$25.61	\$18.64									
Average Daily Energy Sendout/Month GWh	439	436	397									

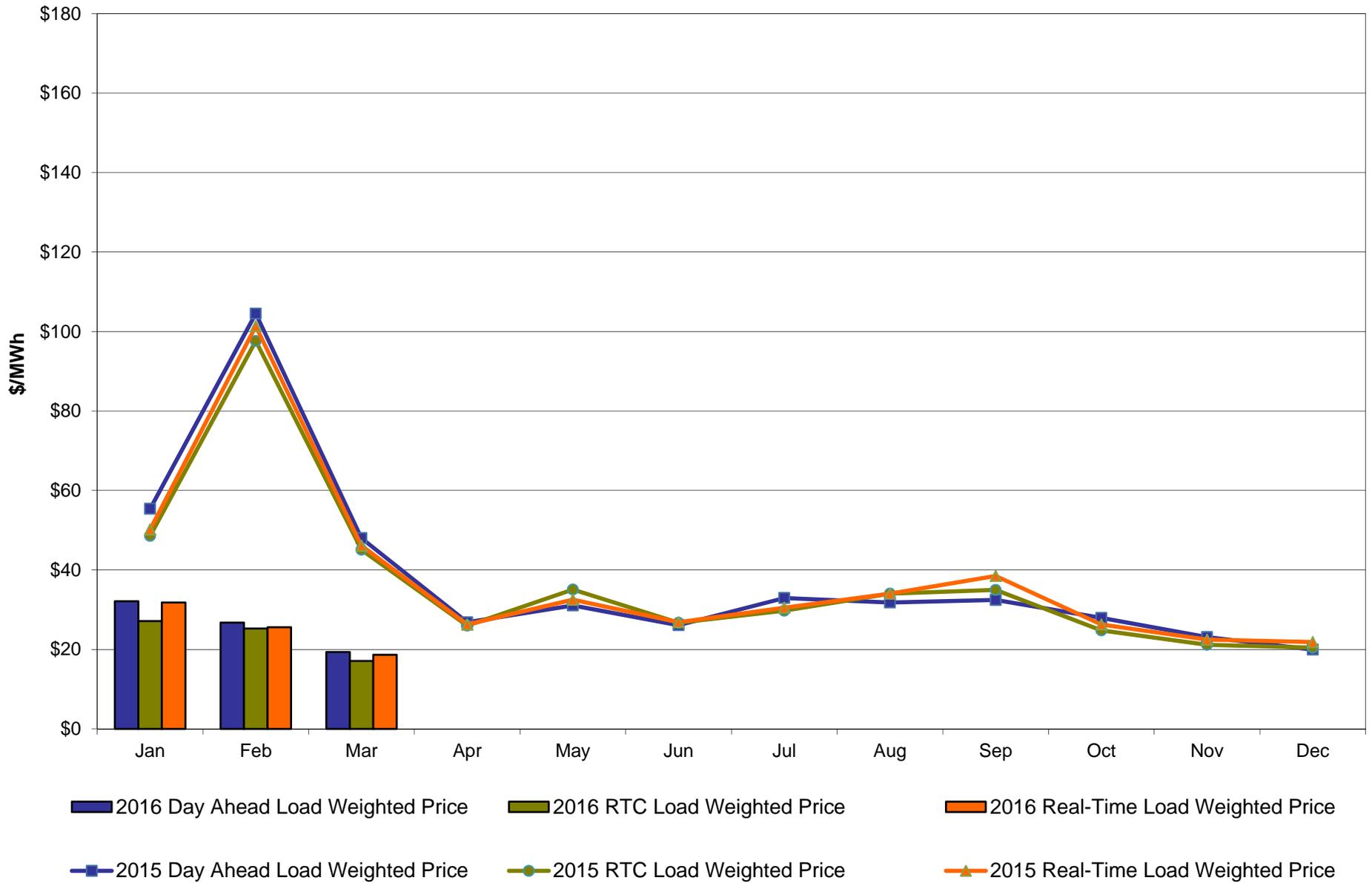
NYISO Markets 2015 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>DAY AHEAD LBMP</u>												
Price *	\$53.35	\$101.48	\$46.59	\$26.07	\$29.21	\$24.30	\$30.27	\$30.01	\$30.18	\$27.11	\$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
<u>RTC LBMP</u>												
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
<u>REAL TIME LBMP</u>												
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.

NYISO Monthly Average Internal LBMPs 2015- 2016

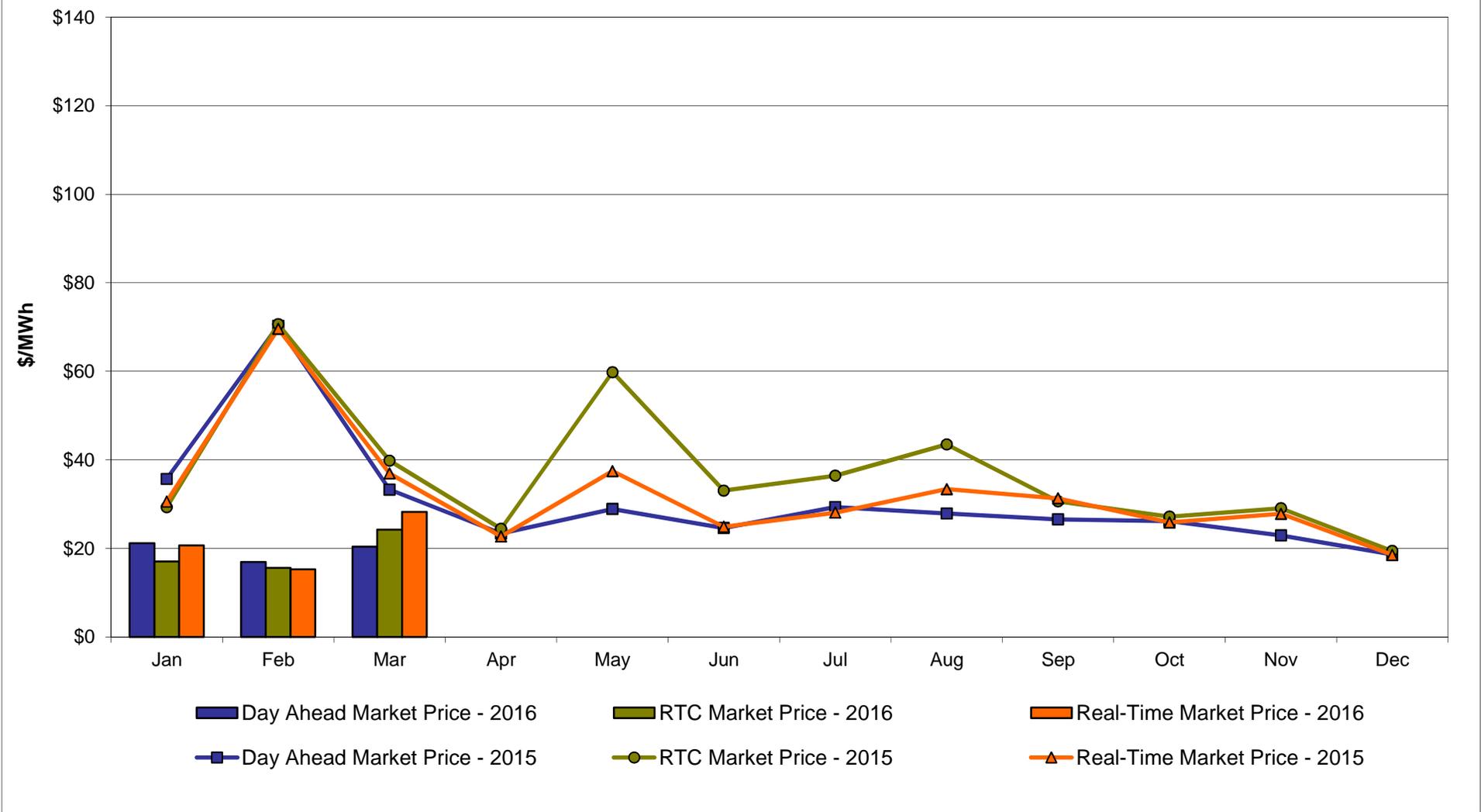


March 2016 Zonal LBMP Statistics for NYISO (\$/MWh)

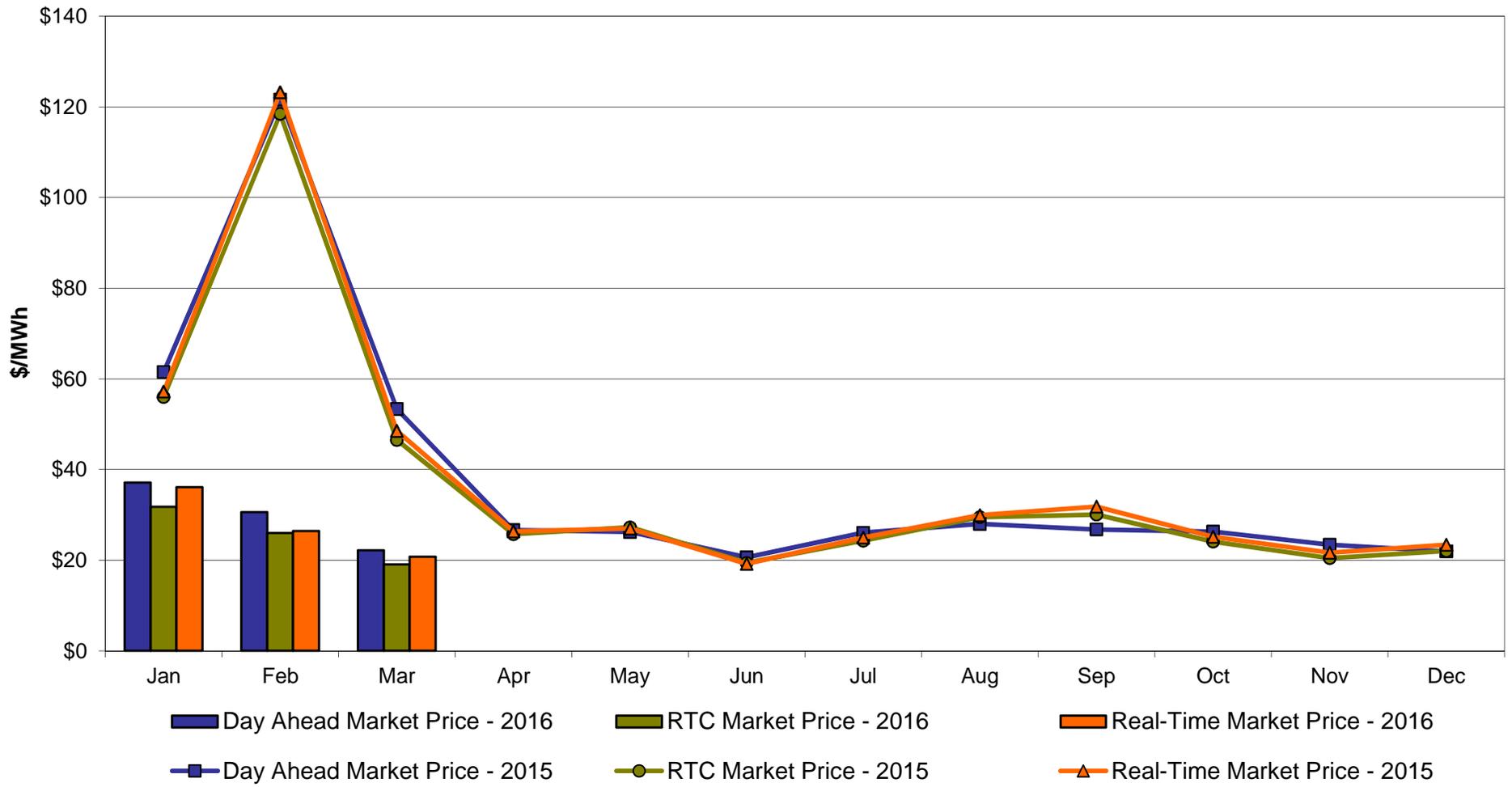
	<u>WEST</u> <u>Zone A</u>	<u>GENESEE</u> <u>Zone B</u>	<u>NORTH</u> <u>Zone D</u>	<u>CENTRAL</u> <u>Zone C</u>	<u>MOHAWK</u> <u>VALLEY</u> <u>Zone E</u>	<u>CAPITAL</u> <u>Zone F</u>	<u>HUDSON</u> <u>VALLEY</u> <u>Zone G</u>	<u>MILLWOOD</u> <u>Zone H</u>	<u>DUNWOODIE</u> <u>Zone I</u>	<u>NEW YORK</u> <u>CITY</u> <u>Zone J</u>	<u>LONG</u> <u>ISLAND</u> <u>Zone K</u>
DAY AHEAD LBMP											
Unweighted Price *	20.37	10.76	8.91	12.58	11.81	22.19	20.18	20.62	20.58	20.75	21.85
Standard Deviation	15.33	5.94	6.40	7.34	6.71	6.19	6.27	6.59	6.59	6.68	7.28
RTC LBMP											
Unweighted Price *	24.21	8.55	7.28	10.17	9.43	19.08	16.65	16.87	16.81	17.70	18.57
Standard Deviation	56.66	8.92	9.10	10.50	9.22	9.32	8.55	8.65	8.61	10.33	12.78
REAL TIME LBMP											
Unweighted Price *	28.26	9.03	7.56	10.59	9.94	20.75	18.02	18.27	18.20	19.45	19.39
Standard Deviation	66.48	12.88	13.89	14.38	13.49	12.63	11.11	11.27	11.24	14.53	12.60
	<u>ONTARIO</u> <u>IESO</u> <u>Zone O</u>	<u>HYDRO</u> <u>QUEBEC</u> <u>(Wheel)</u> <u>Zone M</u>	<u>HYDRO</u> <u>QUEBEC</u> <u>(Import/Export)</u> <u>Zone M</u>	<u>PJM</u> <u>Zone P</u>	<u>NEW</u> <u>ENGLAND</u> <u>Zone N</u>	<u>CROSS</u> <u>SOUND</u> <u>CABLE</u> <u>Controllable</u> <u>Line</u>	<u>NORTHPORT-</u> <u>NORWALK</u> <u>Controllable</u> <u>Line</u>	<u>NEPTUNE</u> <u>Controllable</u> <u>Line</u>	<u>LINDEN VFT</u> <u>Controllable</u> <u>Line</u>	<u>HUDSON</u> <u>Controllable</u> <u>Line</u>	<u>Dennison</u> <u>Controllable</u> <u>Line</u>
DAY AHEAD LBMP											
Unweighted Price *	7.51	9.07	9.07	18.30	21.26	21.62	21.21	21.08	17.10	20.76	8.75
Standard Deviation	4.37	6.36	6.36	7.23	6.09	7.02	6.90	6.46	4.99	6.71	6.29
RTC LBMP											
Unweighted Price *	6.70	7.51	7.51	18.79	17.23	17.93	17.90	17.53	13.83	18.18	7.43
Standard Deviation	12.33	13.17	13.17	44.30	15.62	14.84	14.85	14.75	16.67	14.76	12.48
REAL TIME LBMP											
Unweighted Price *	7.12	8.08	8.08	20.73	19.16	18.81	18.47	18.82	19.66	20.04	7.39
Standard Deviation	12.50	18.11	18.11	49.84	14.47	12.23	13.58	16.76	18.56	20.22	13.59

* Straight LBMP averages

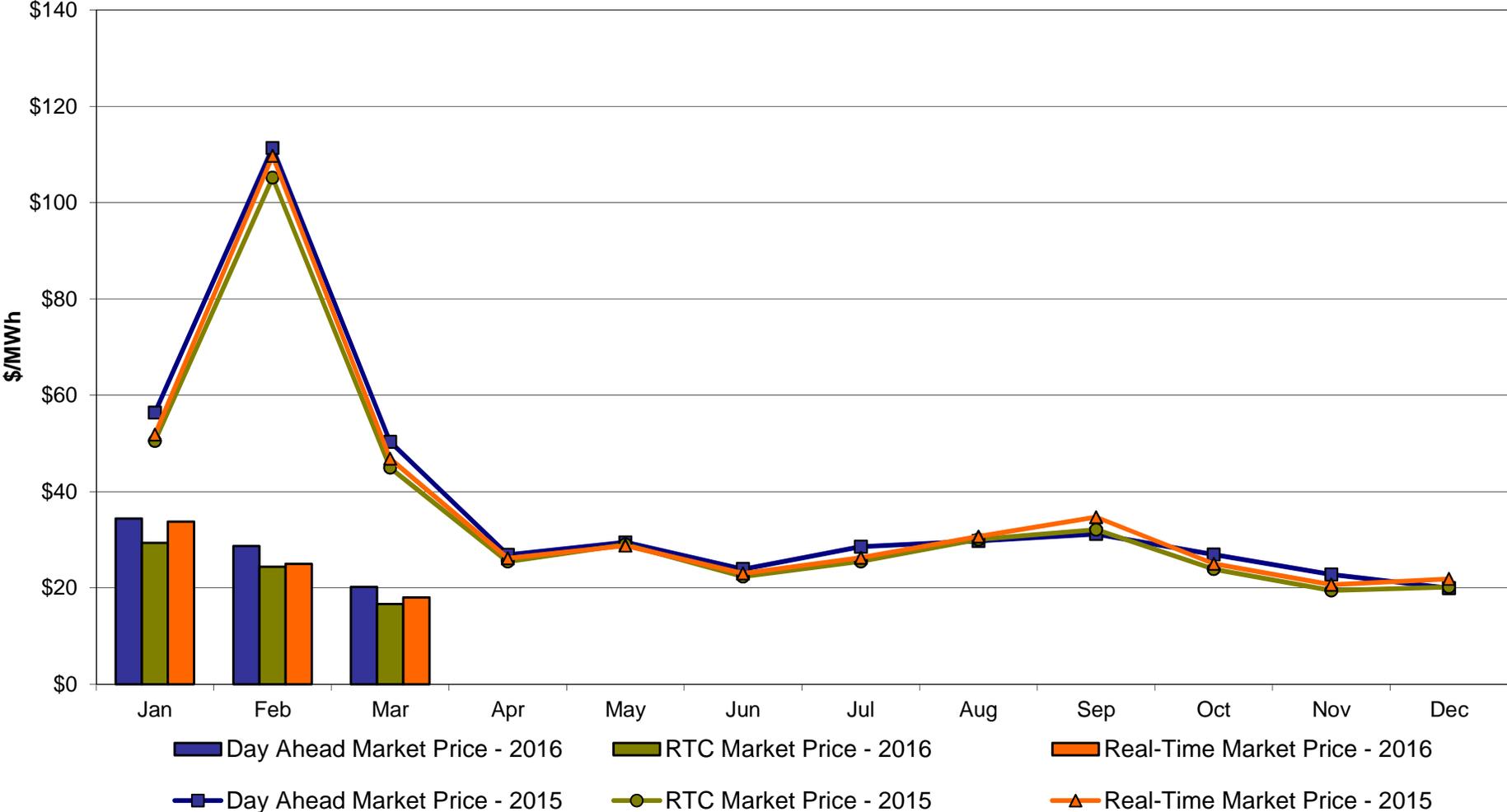
**West Zone A
Monthly Average LBMP Prices 2015 - 2016**



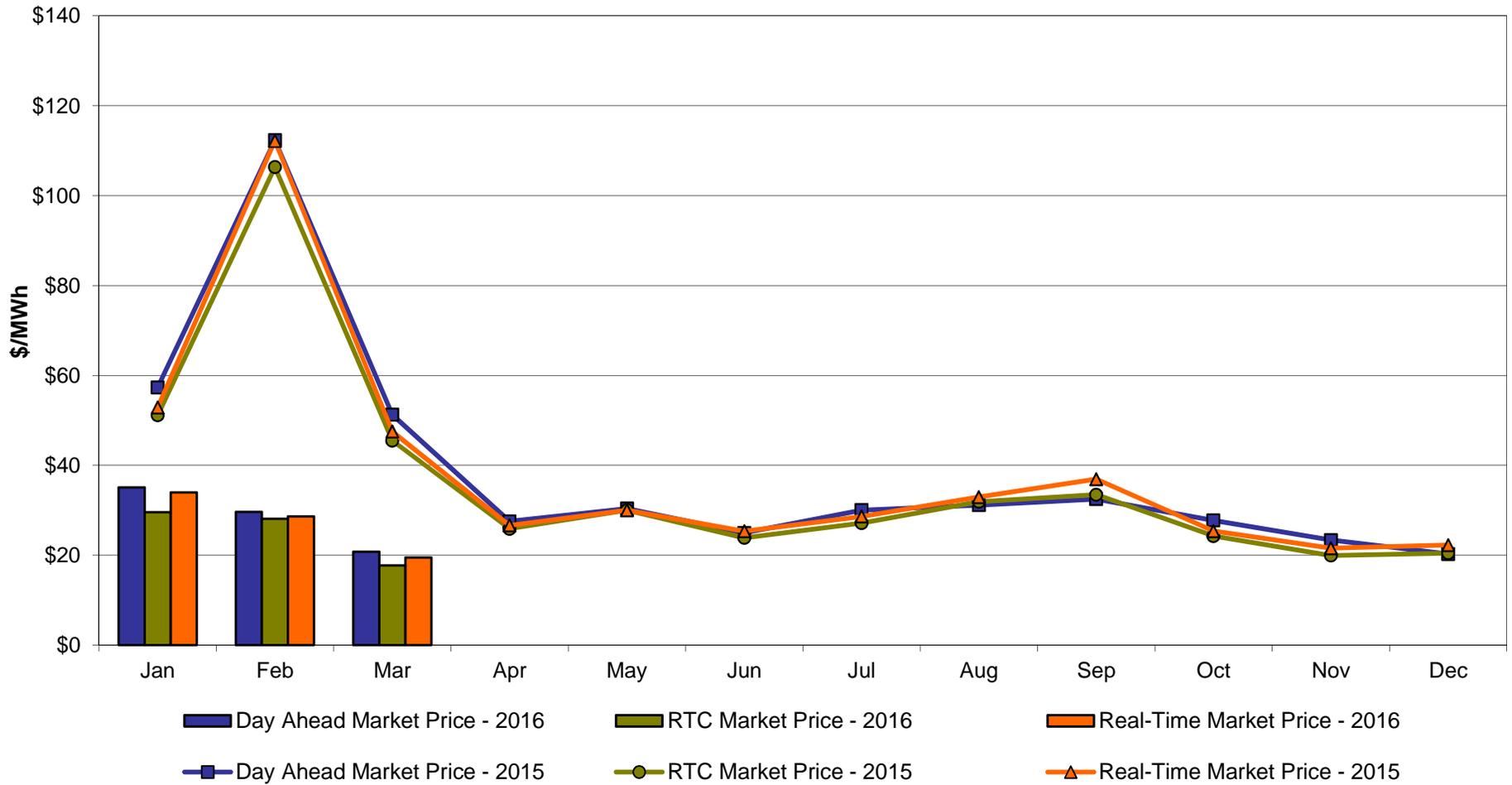
Capital Zone F Monthly Average LBMP Prices 2015 - 2016



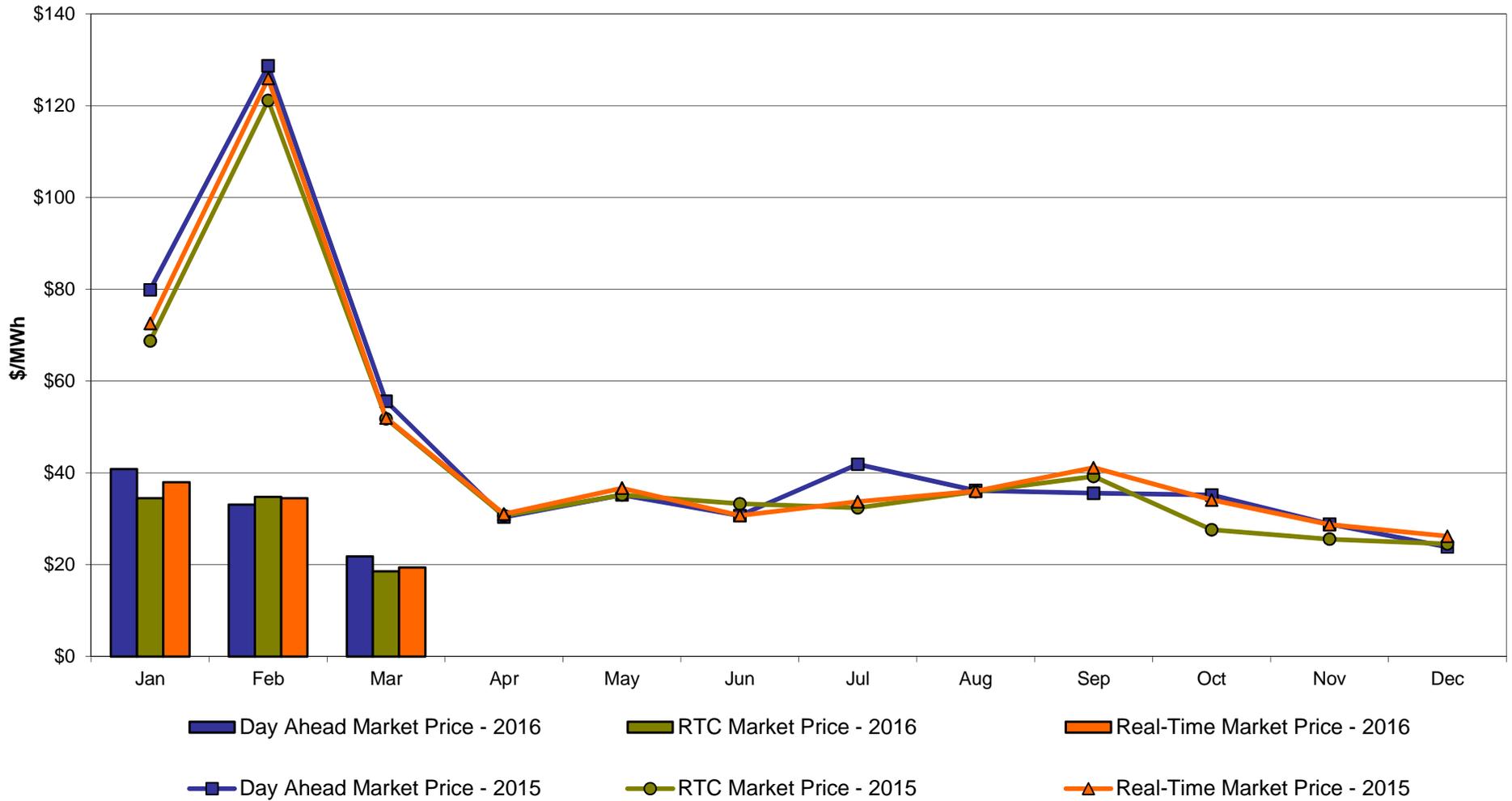
Hudson Valley Zone G Monthly Average LBMP Prices 2015 - 2016



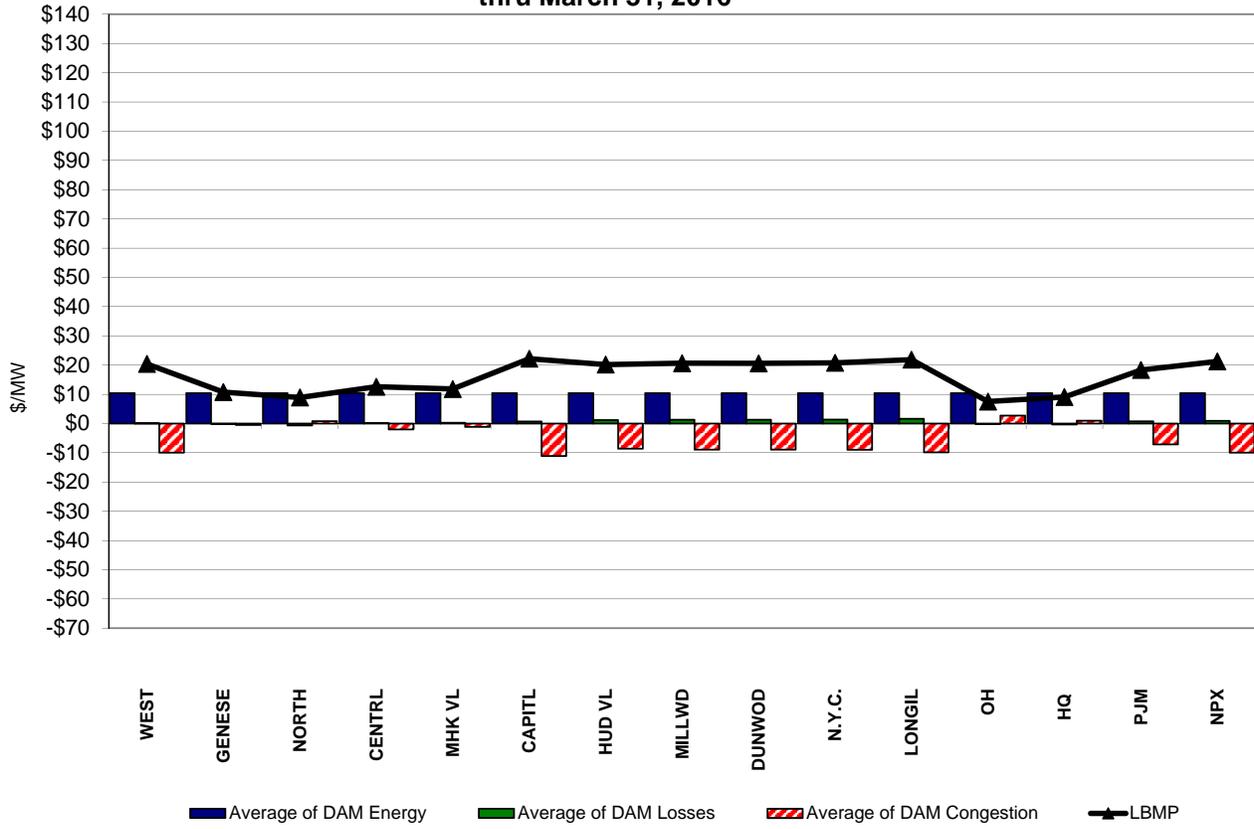
NYC Zone J Monthly Average LBMP Prices 2015 - 2016



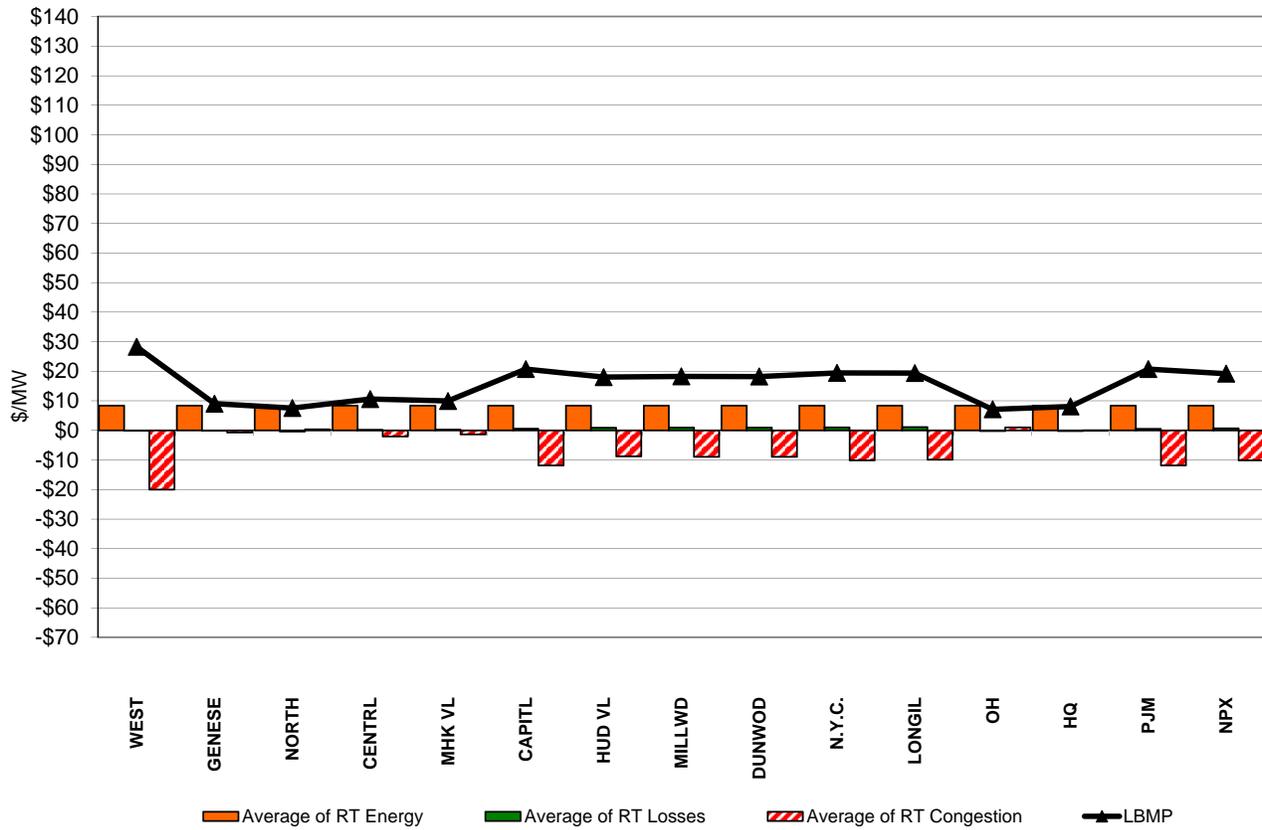
Long Island Zone K Monthly Average LBMP Prices 2015 - 2016



DAM Zonal Unweighted Monthly Average LBMP Components thru March 31, 2016

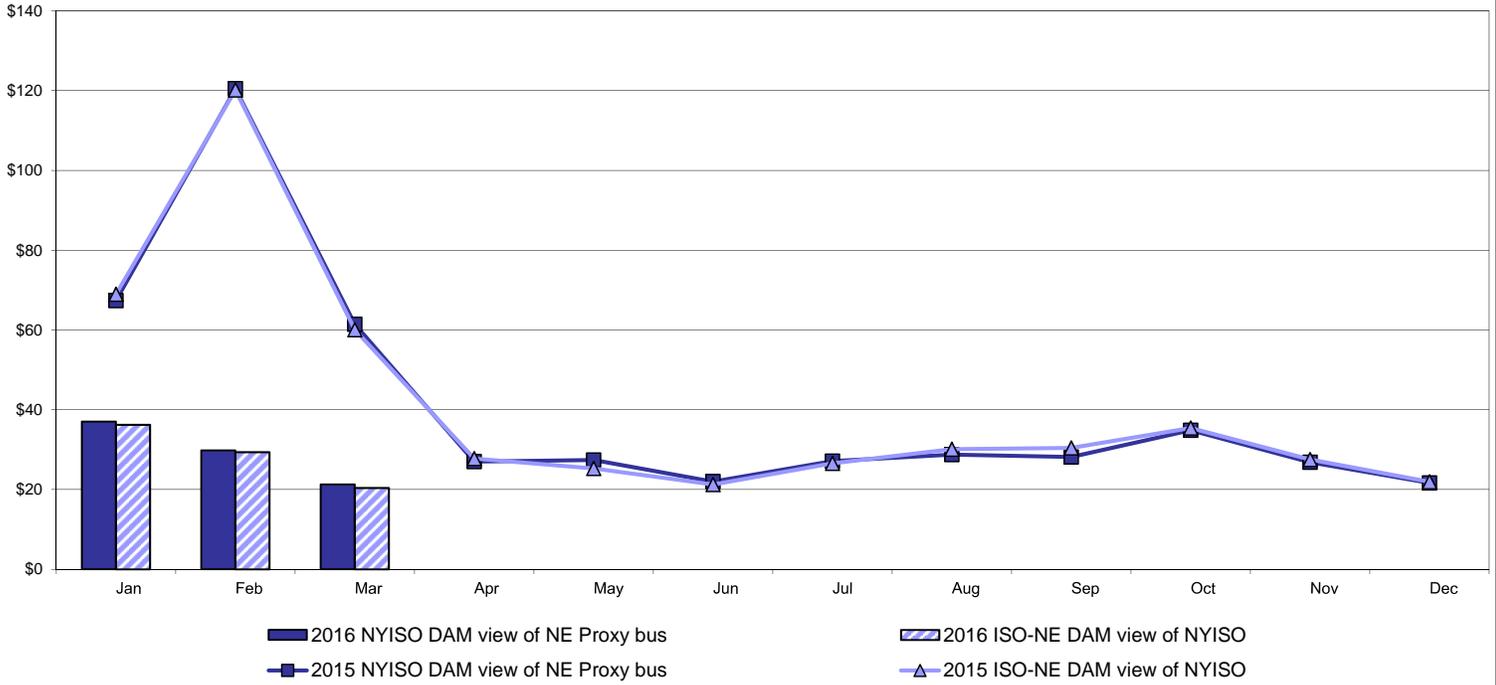


RT Zonal Unweighted Monthly Average LBMP Components thru March 31, 2016

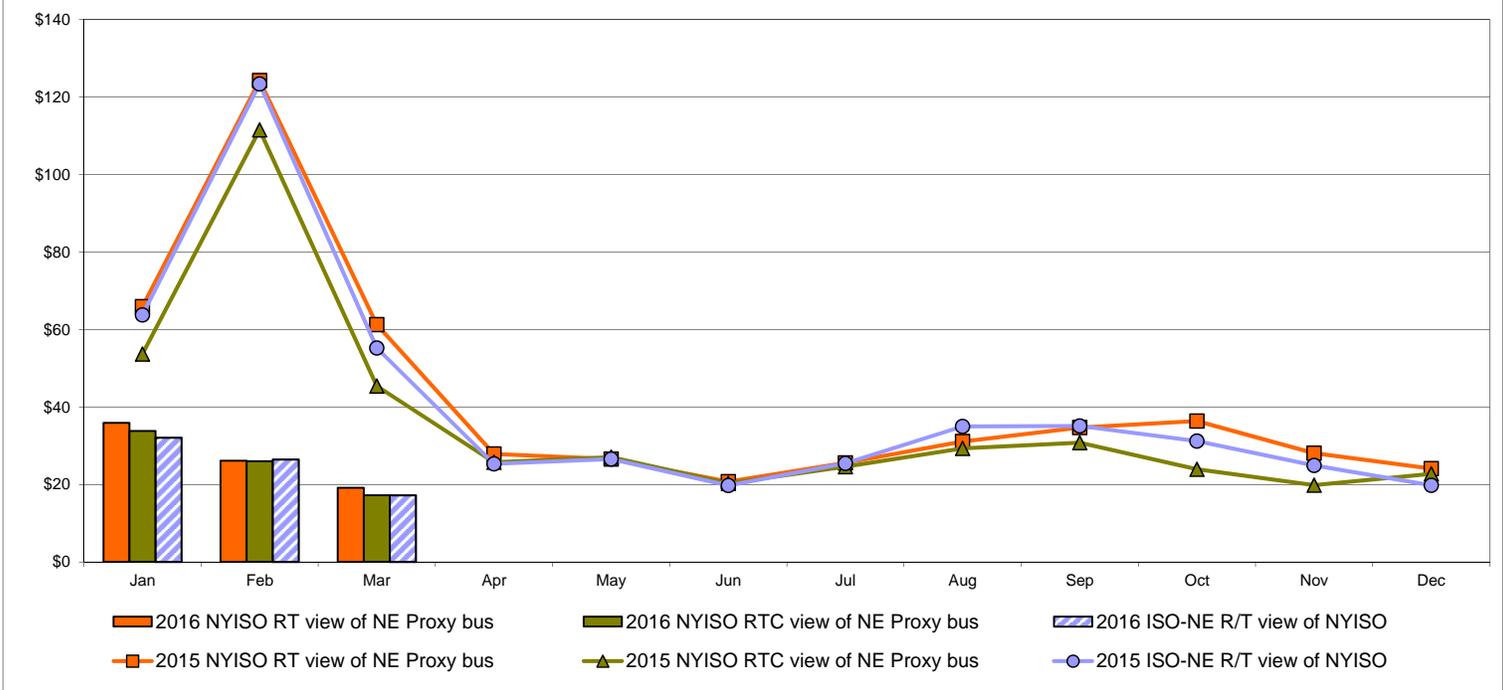


External Comparison ISO-New England

Day Ahead Market External Zone Comparison: ISO-NE (\$/MWh)

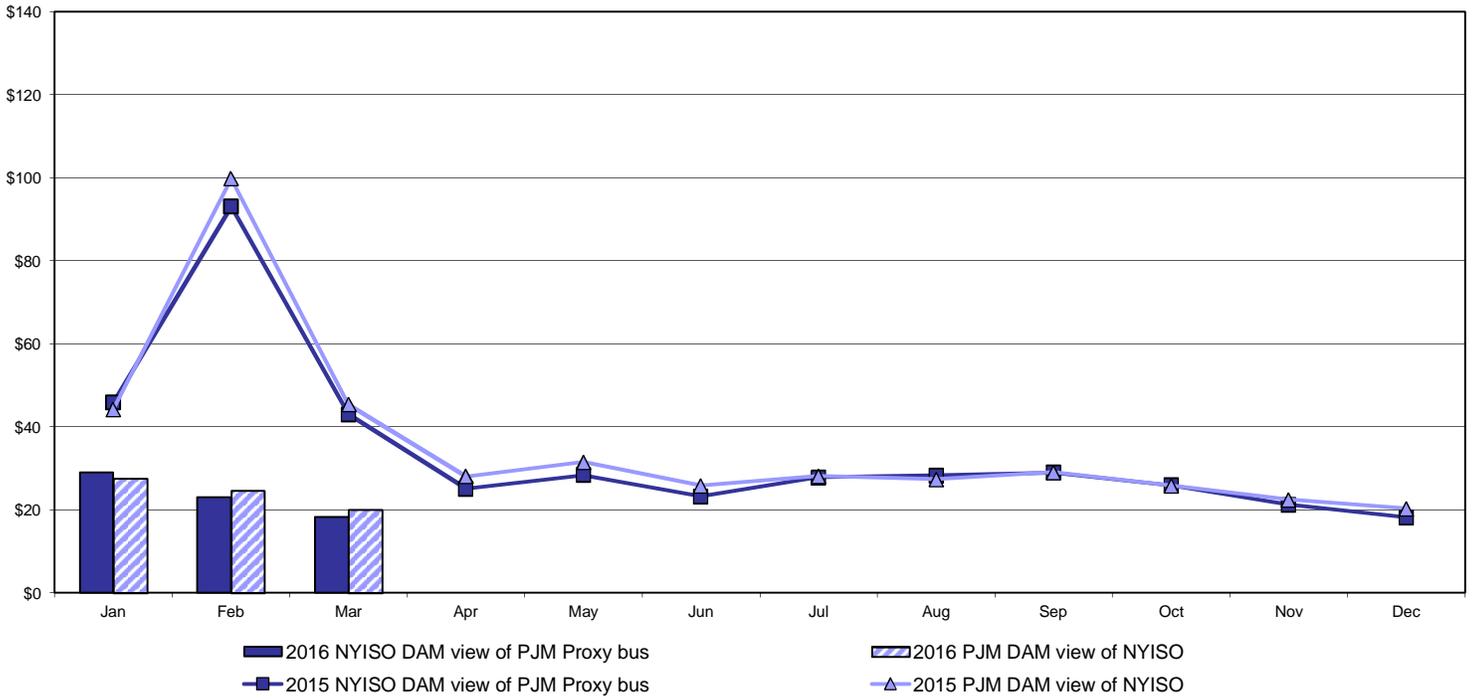


Real Time Market External Zone Comparison: ISO-NE (\$/MWh)

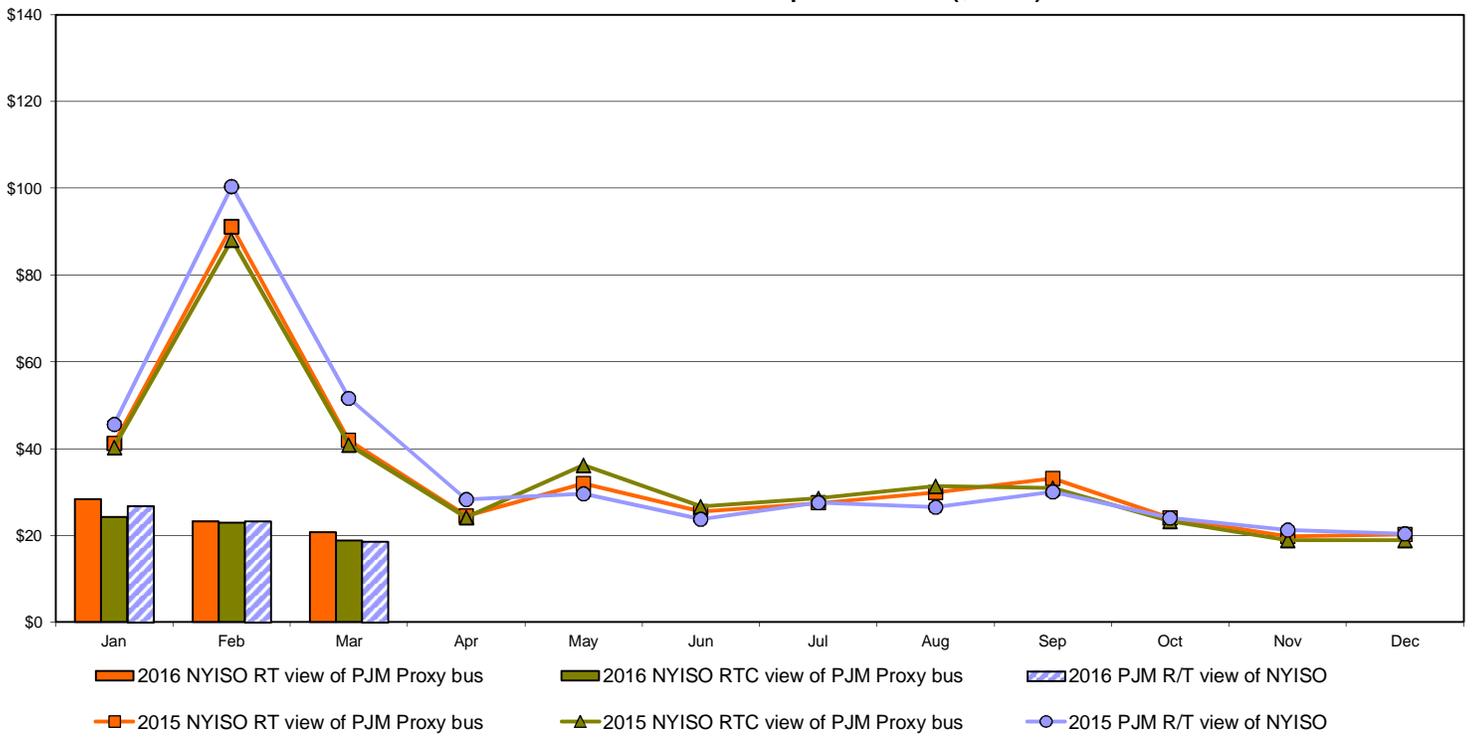


External Comparison PJM

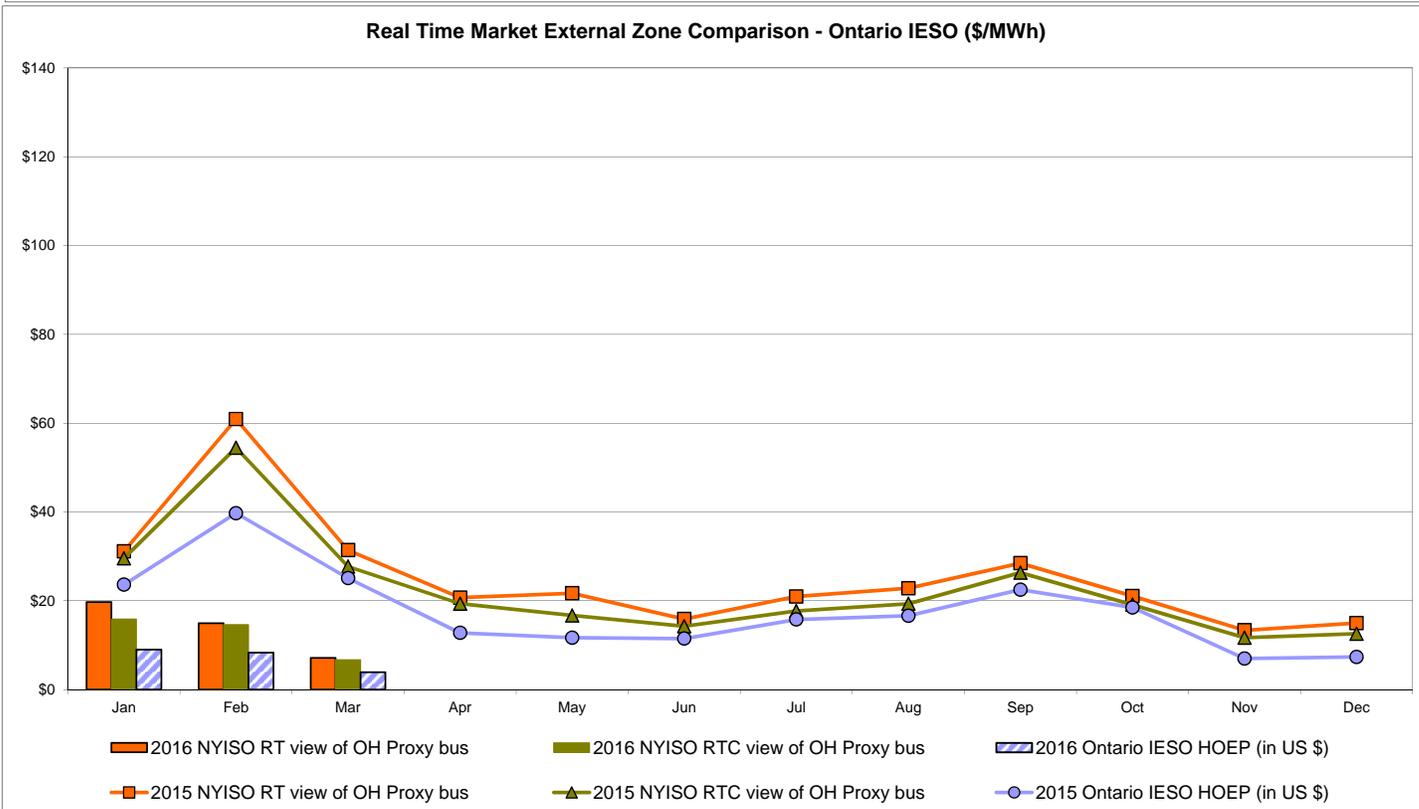
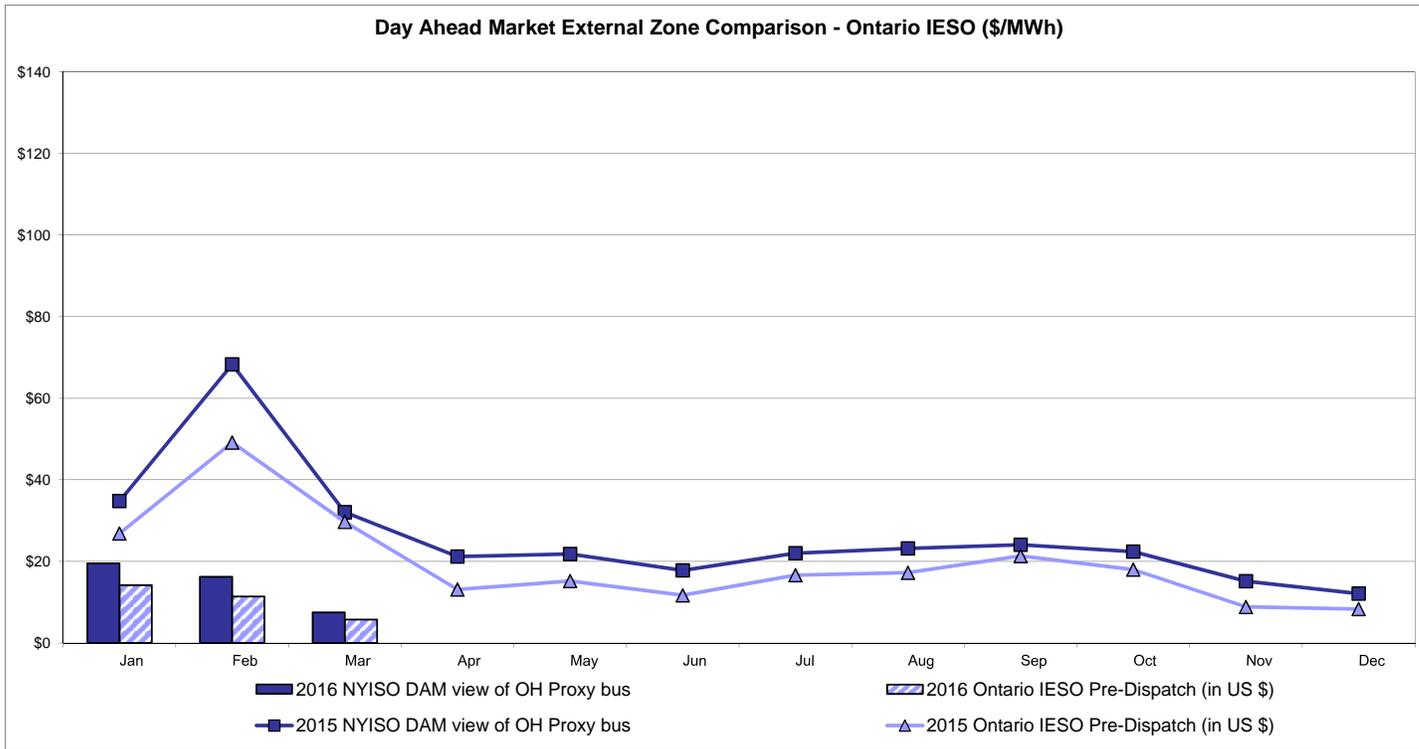
Day Ahead Market External Zone Comparison - PJM (\$/MWh)



Real Time Market External Zone Comparison - PJM (\$/MWh)

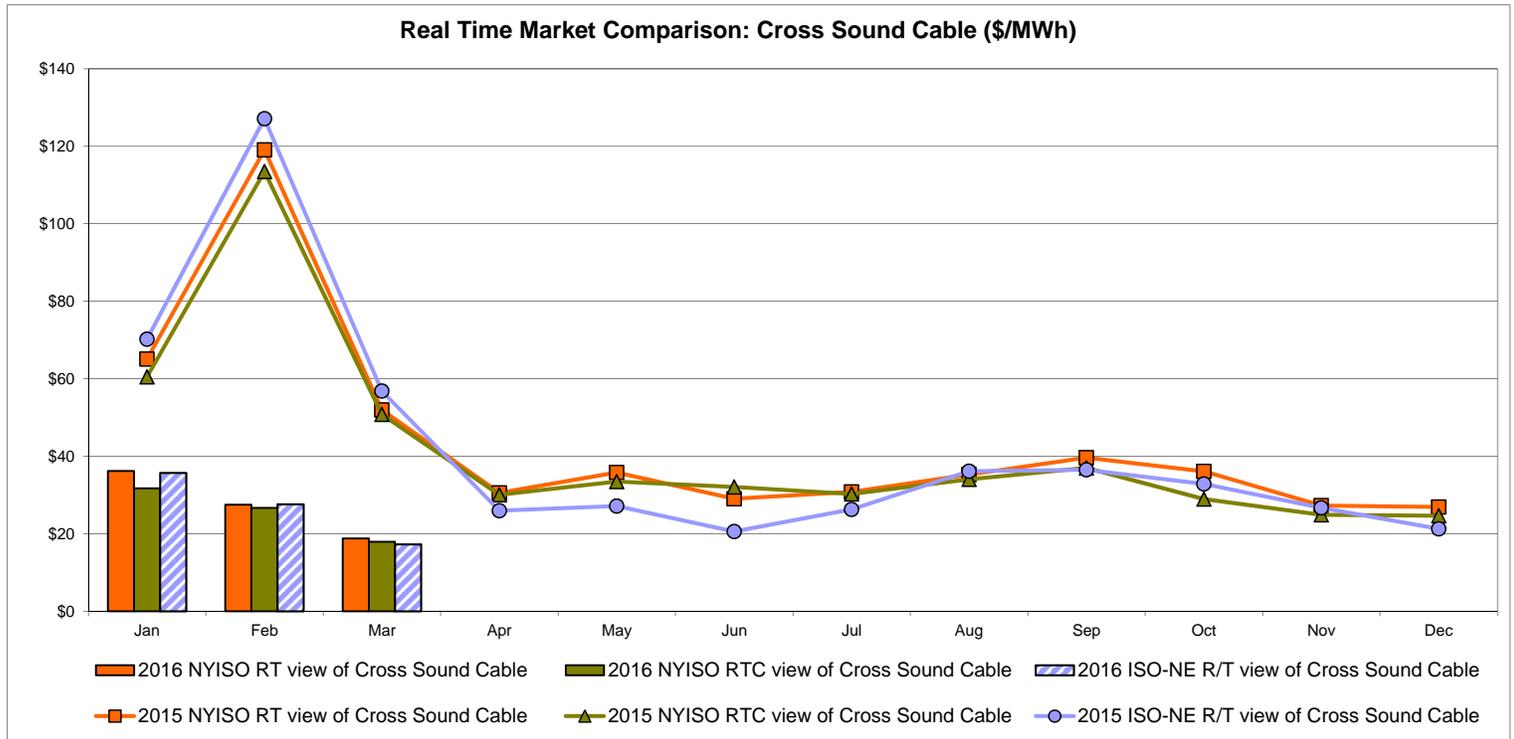
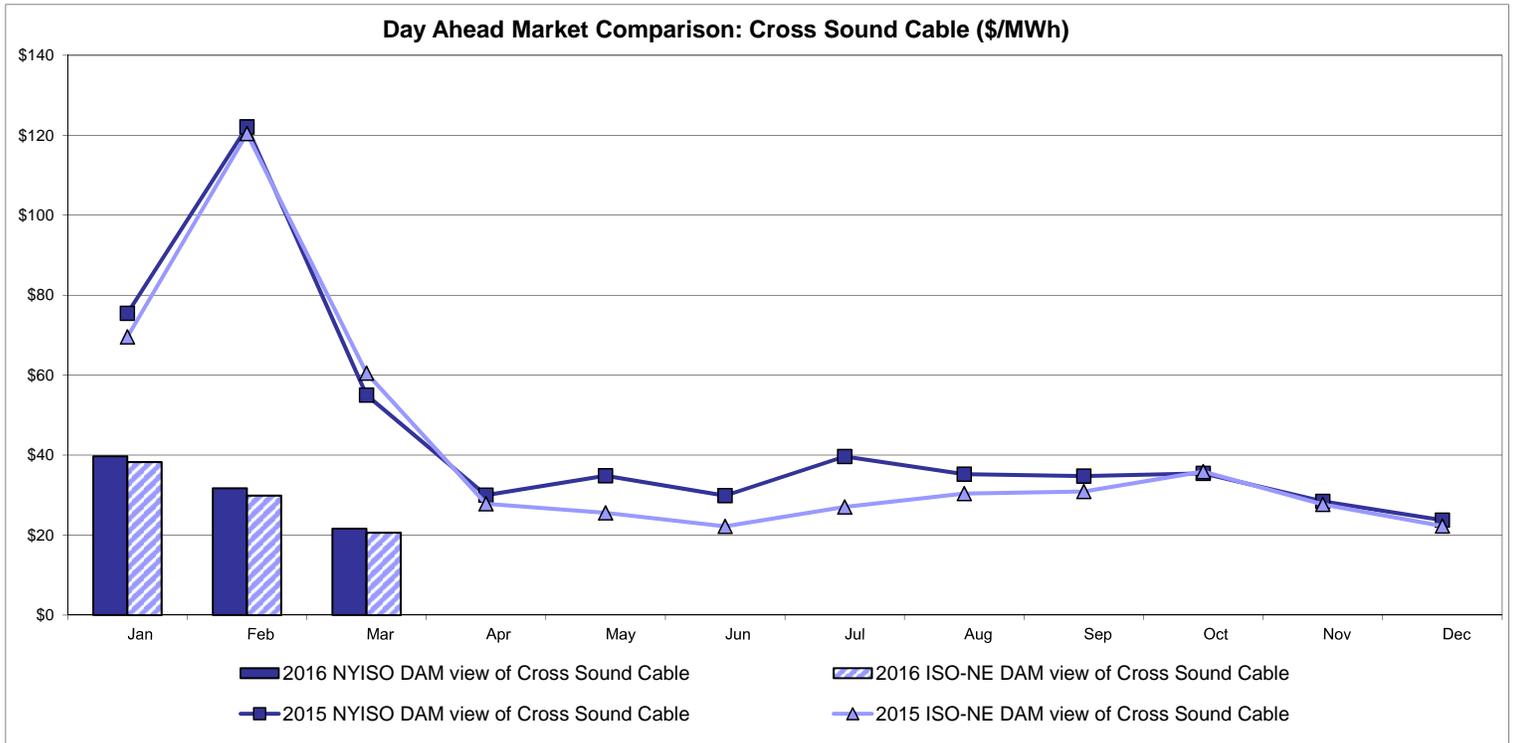


External Comparison Ontario IESO



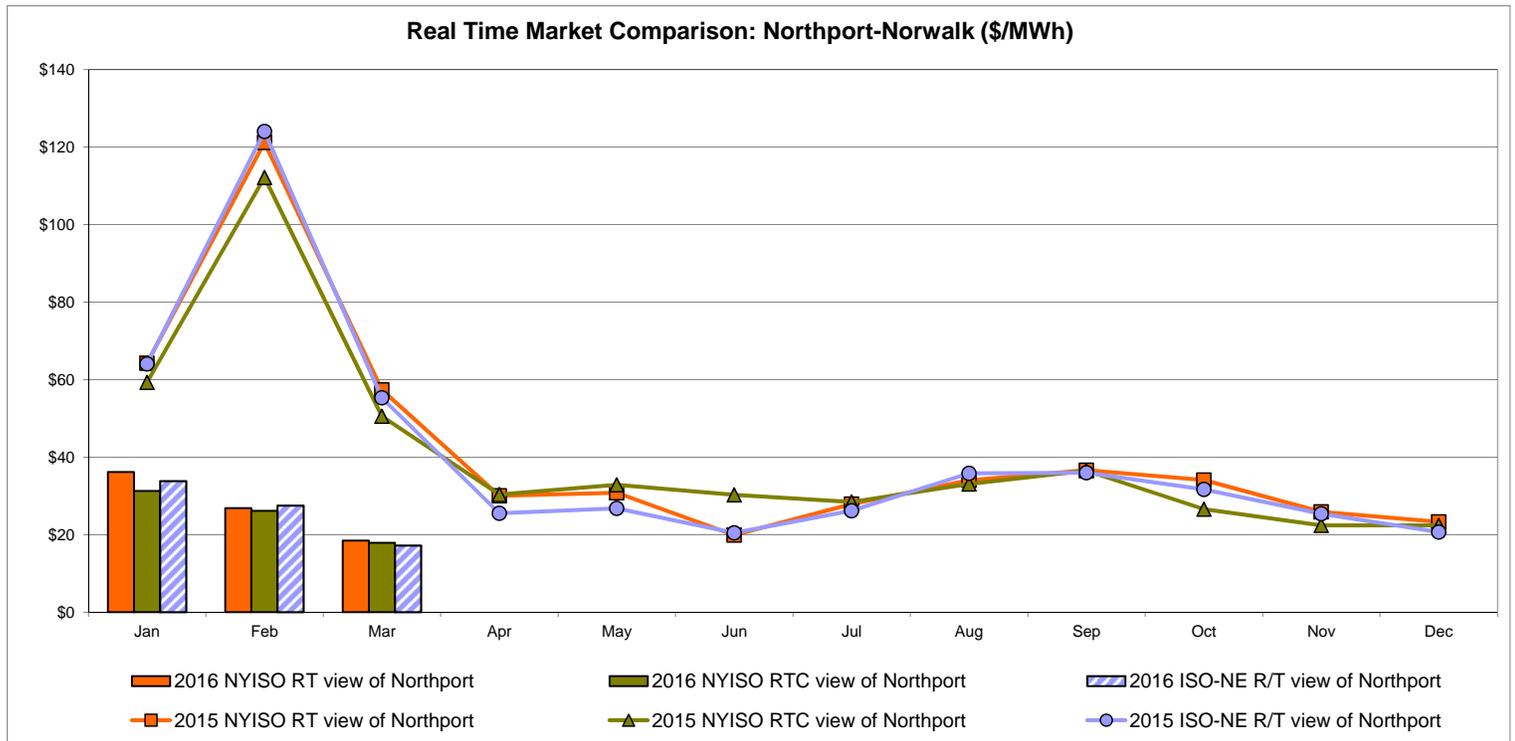
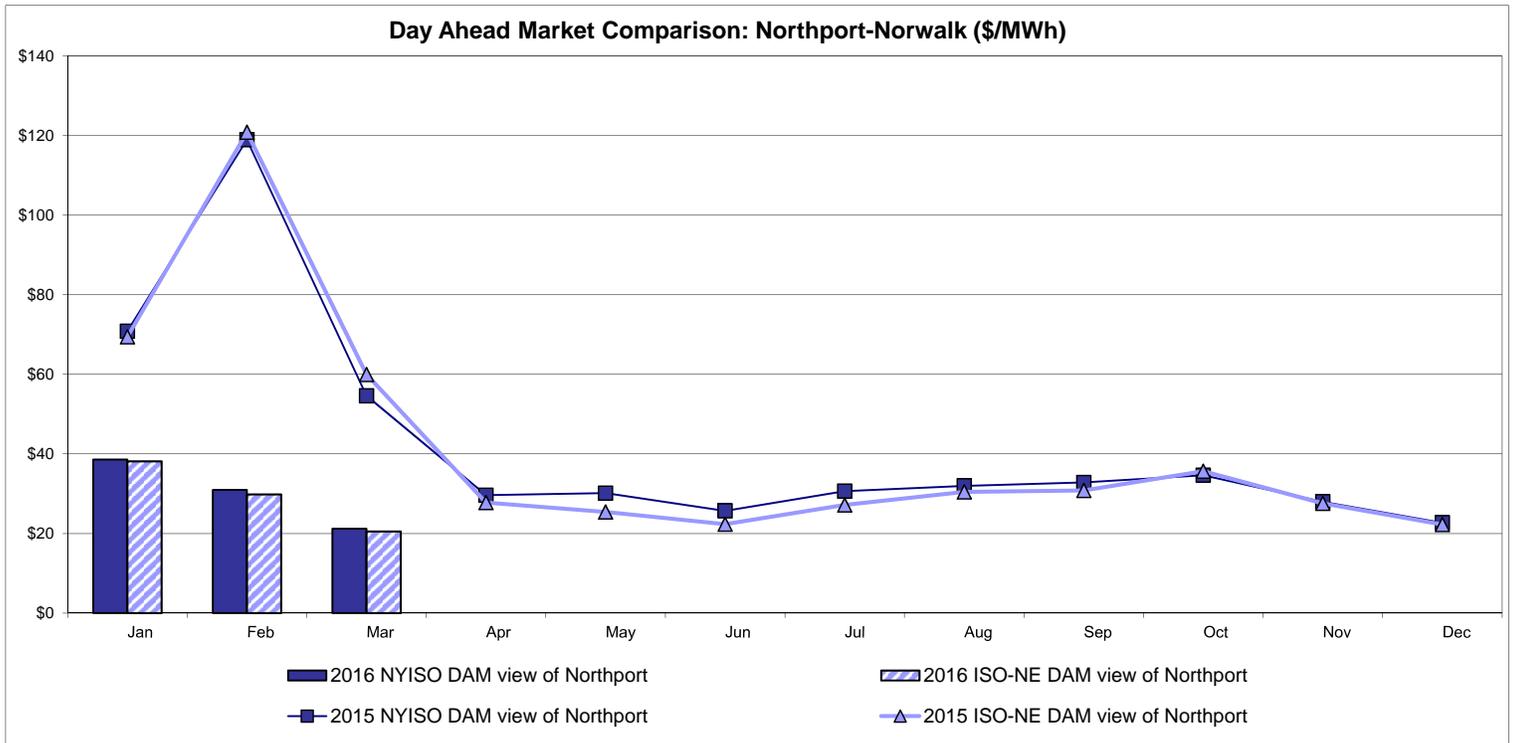
Notes: Exchange factor used for March 2016 was 0.7542 to US
 HOEP: Hourly Ontario Energy Price
 Pre-Dispatch: Projected Energy Price

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)

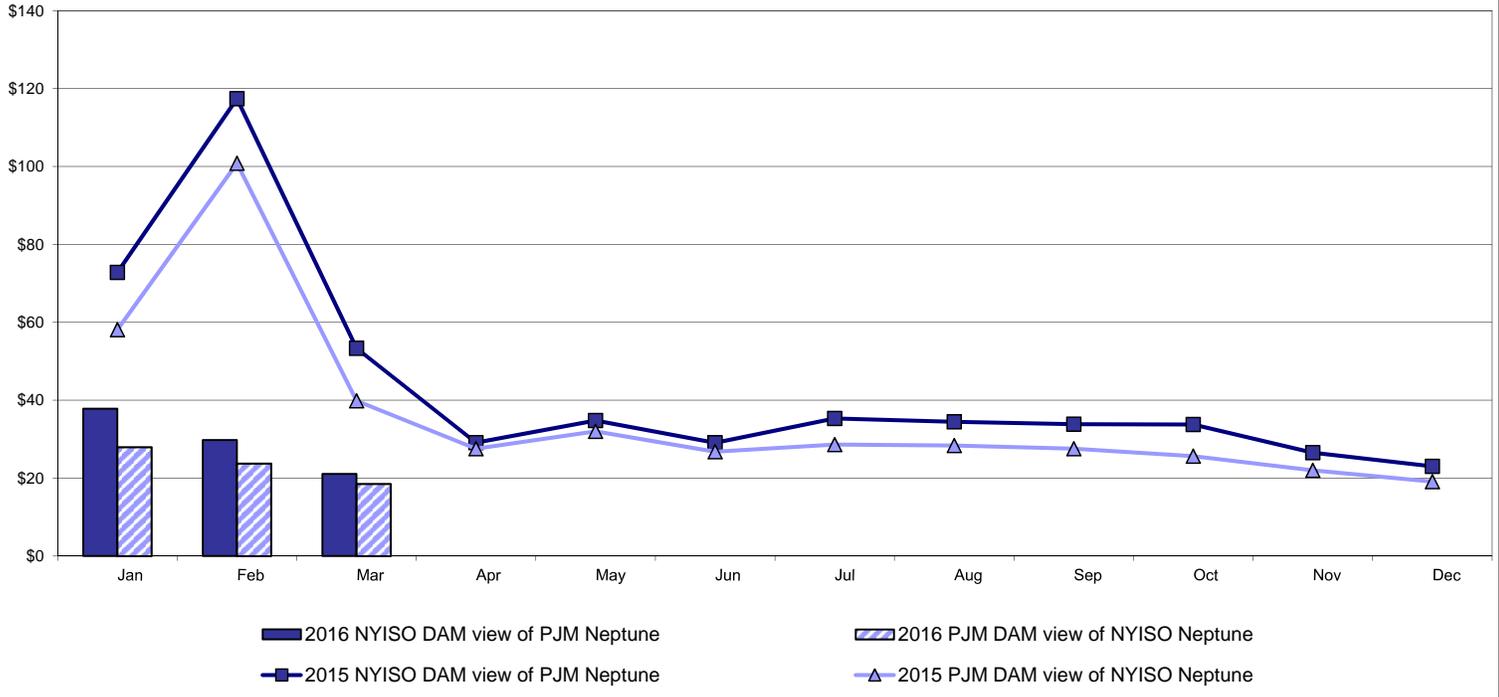


Note:

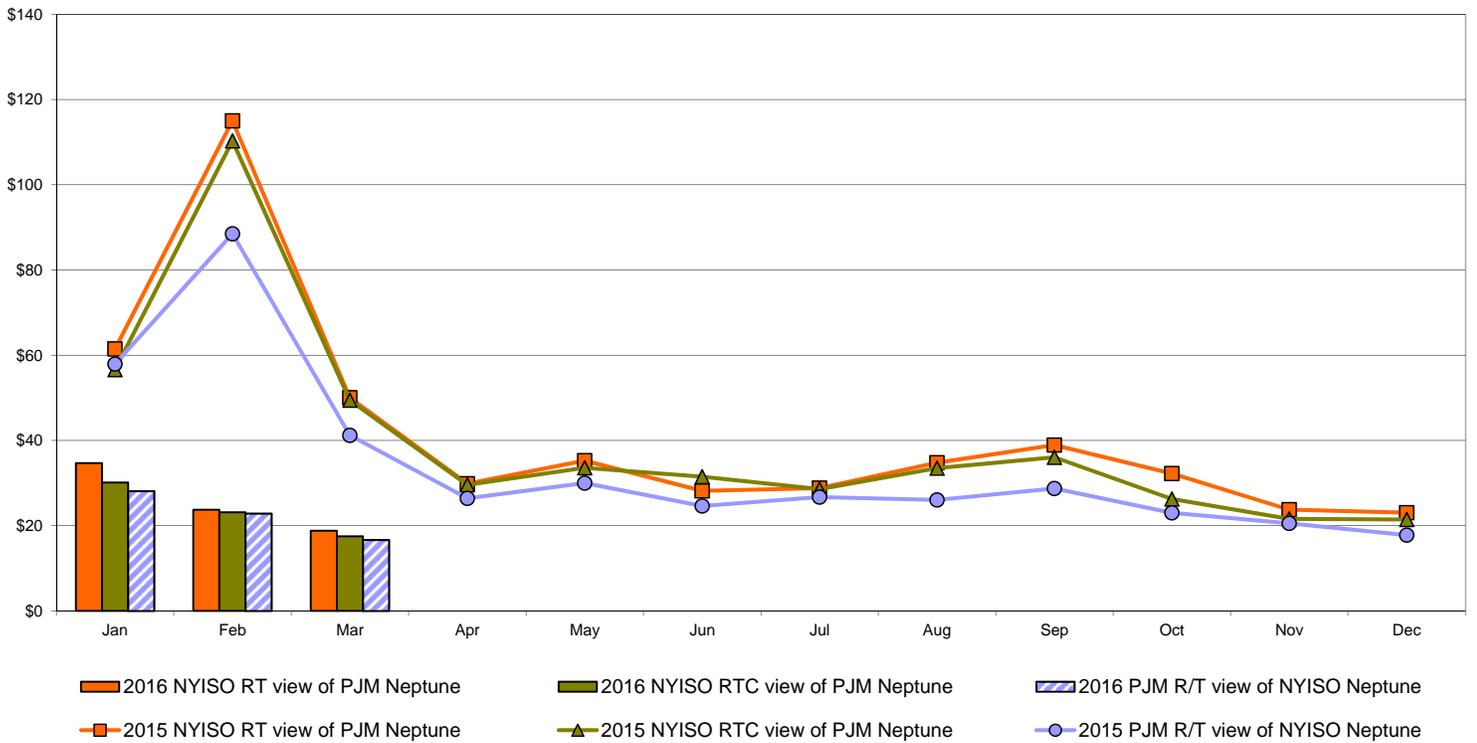
ISO-NE Forecast is an advisory posting @ 18:00 day before.
 The DAM and R/T prices at the Northport 138 interface are used for ISO-NE.
 The DAM and R/T prices at the 1385 interface are used for NYISO.

External Controllable Line: Neptune (PJM)

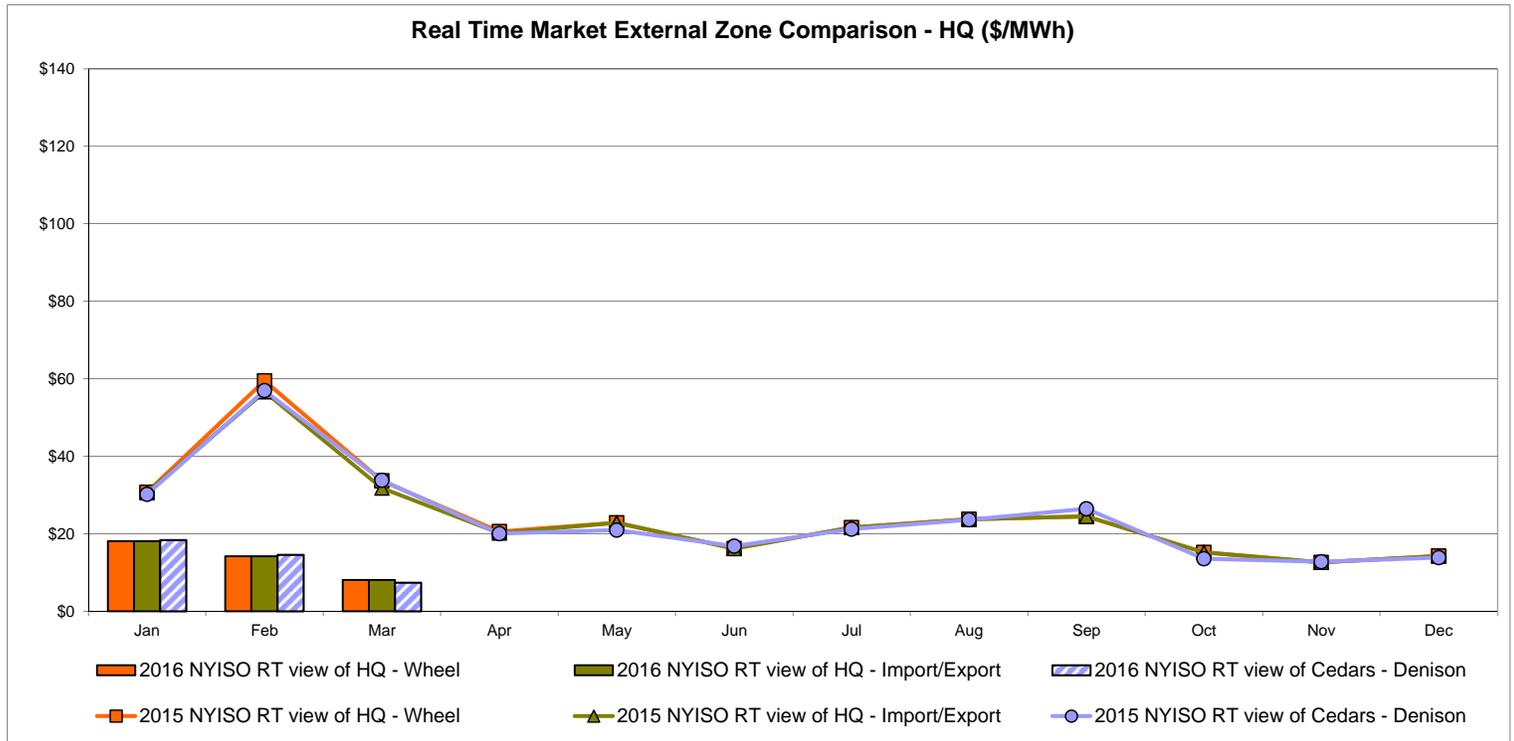
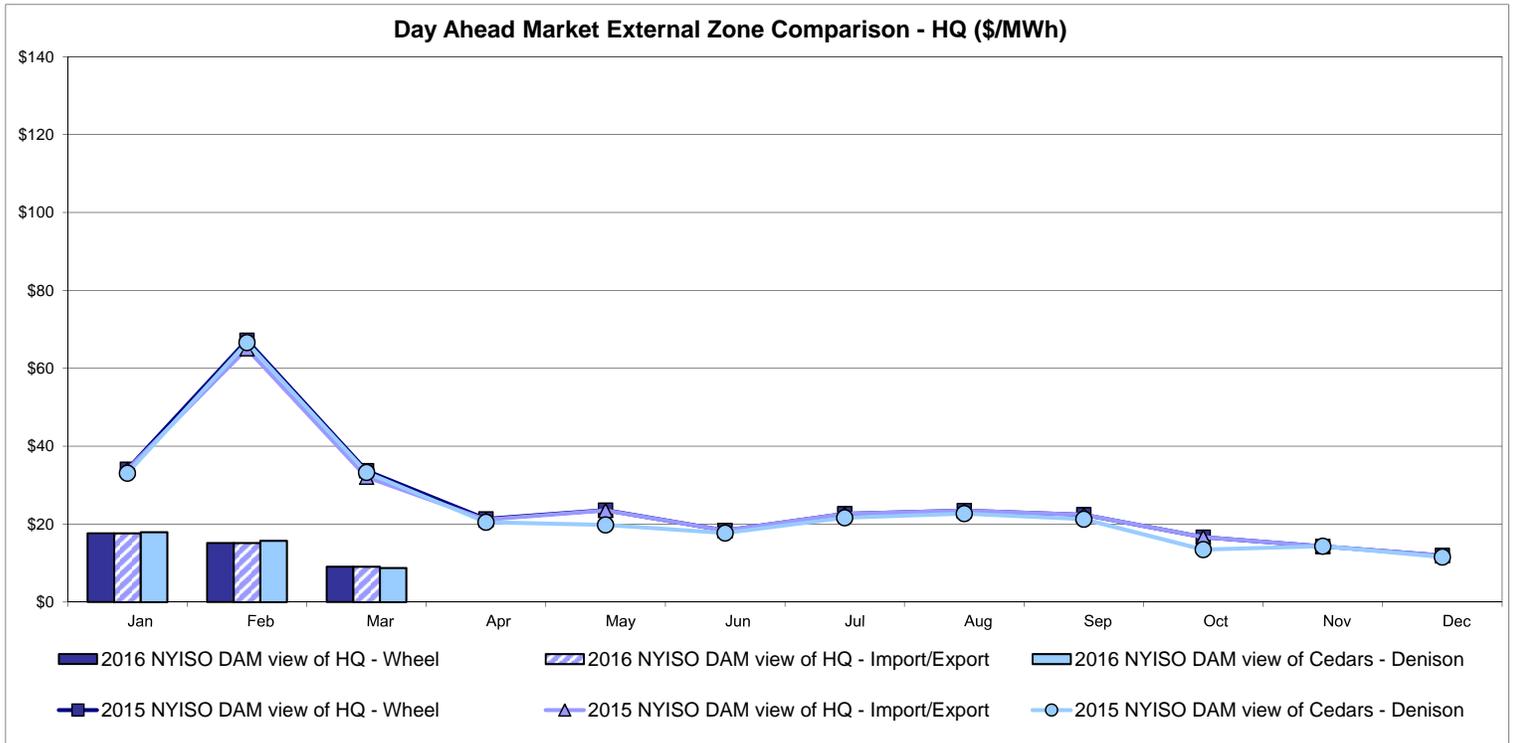
Day Ahead Market Comparison: Neptune (\$/MWh)



Real Time Market Comparison: Neptune (\$/MWh)

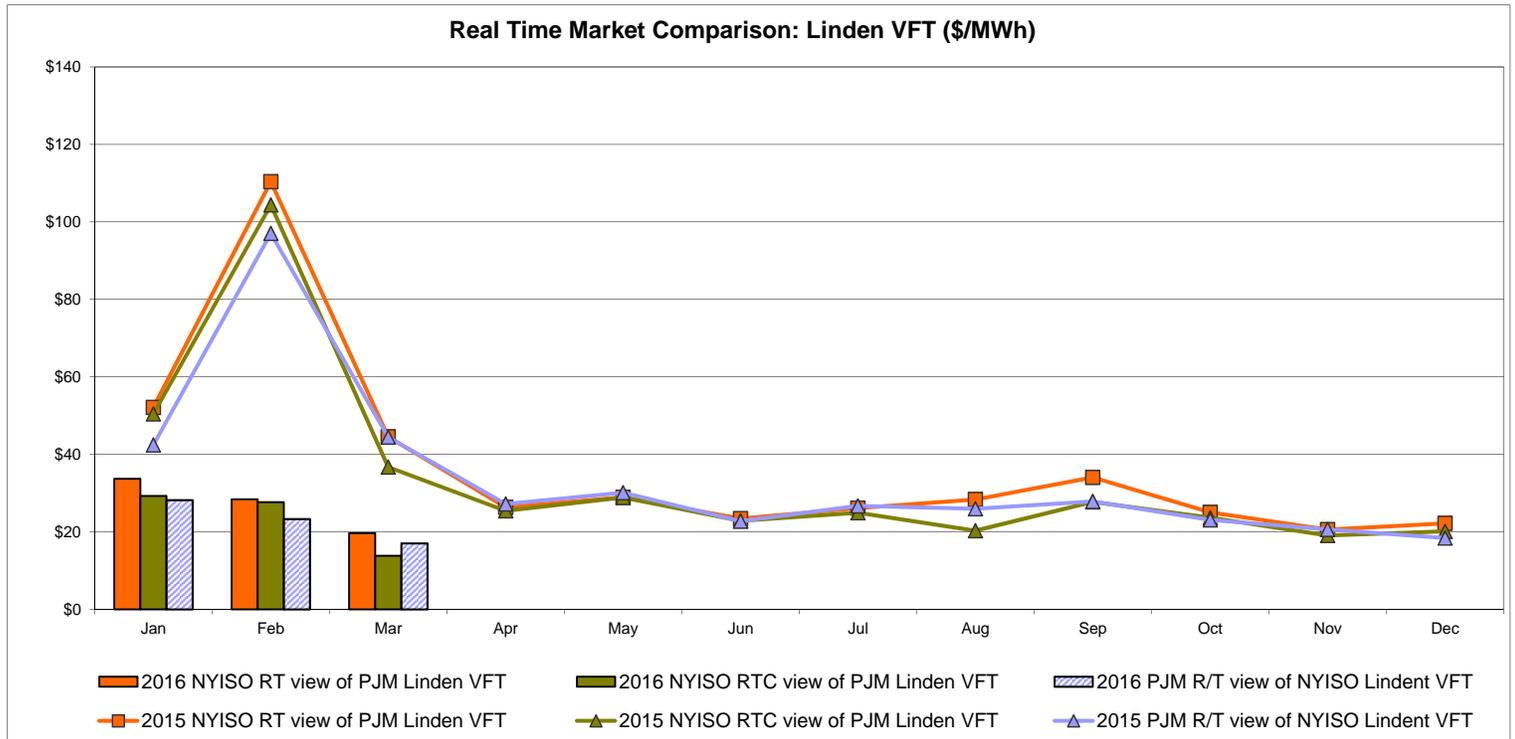
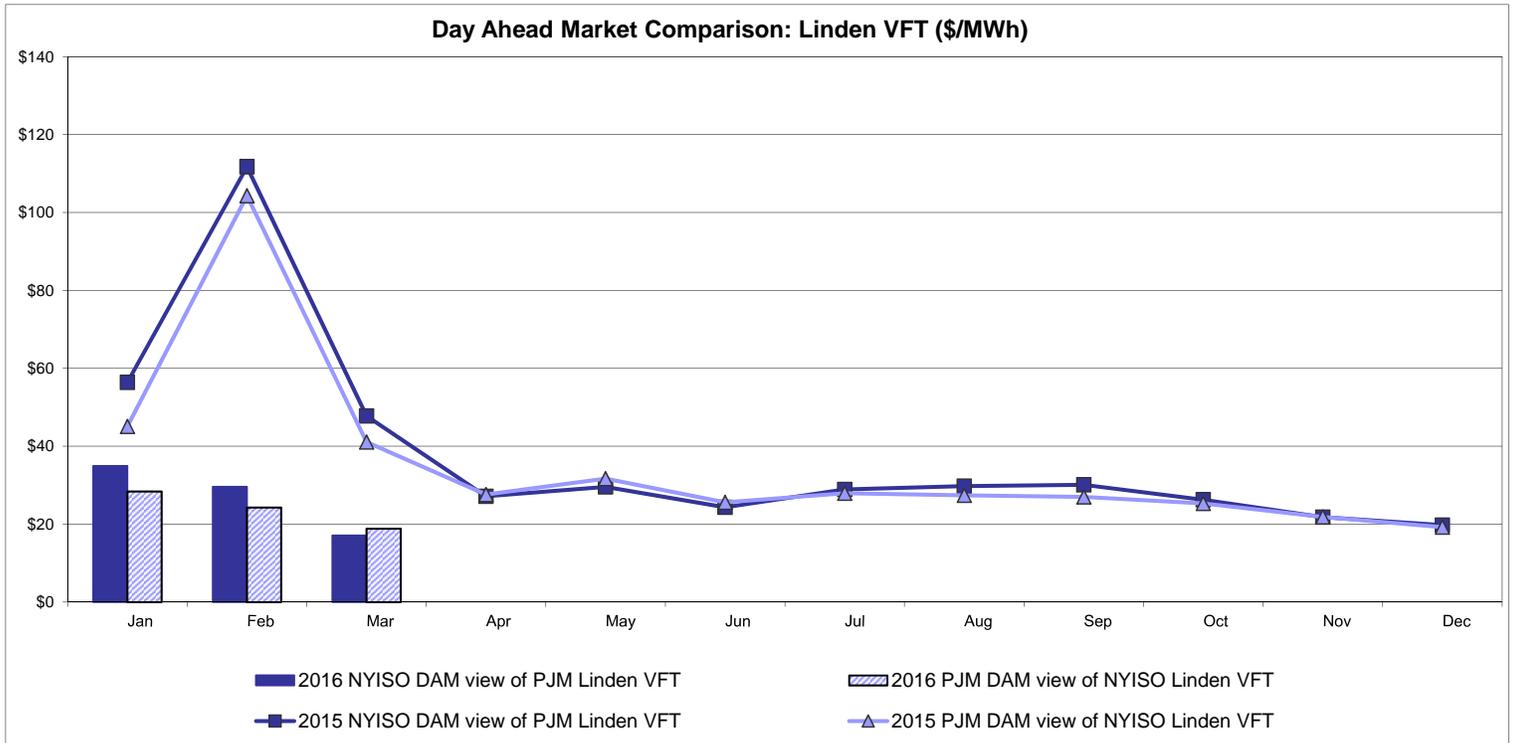


External Comparison Hydro-Quebec

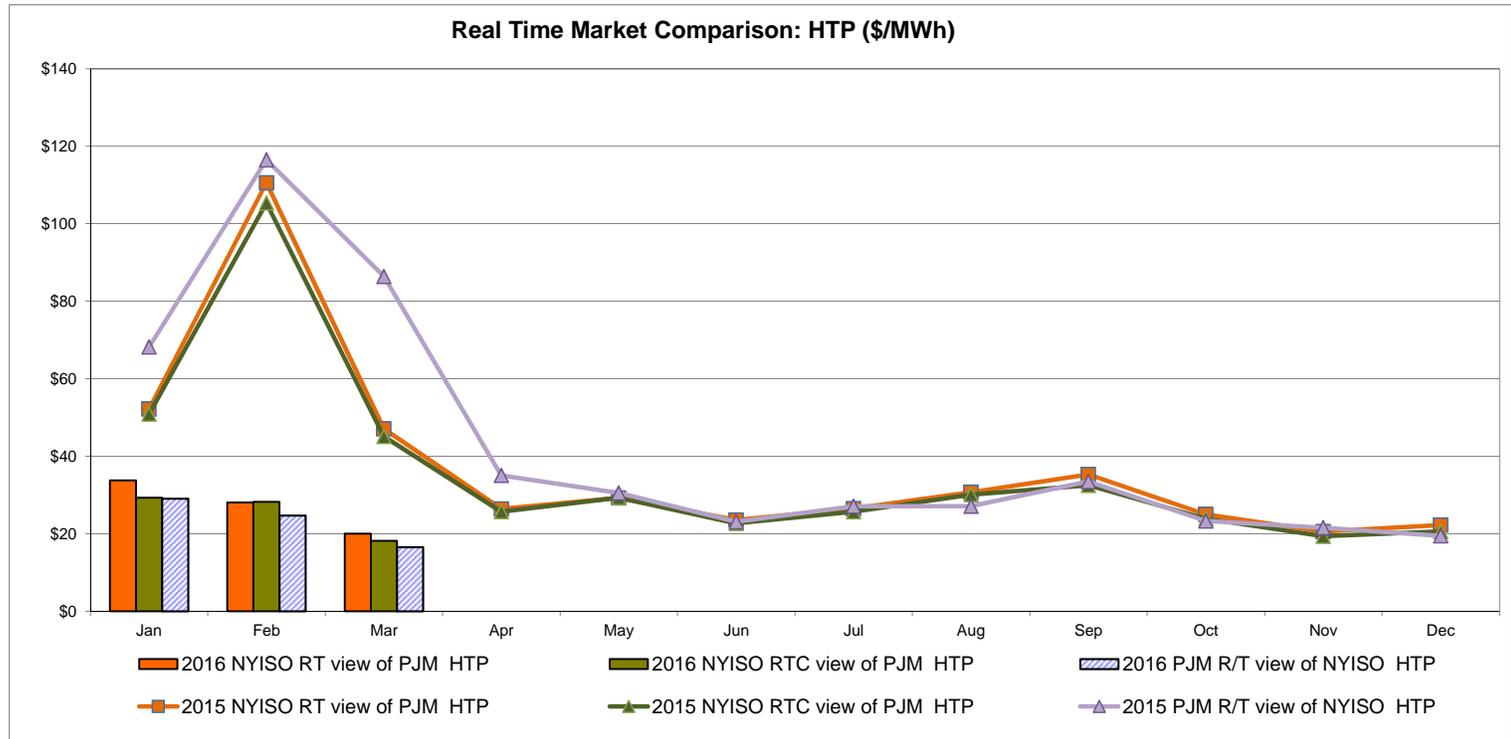
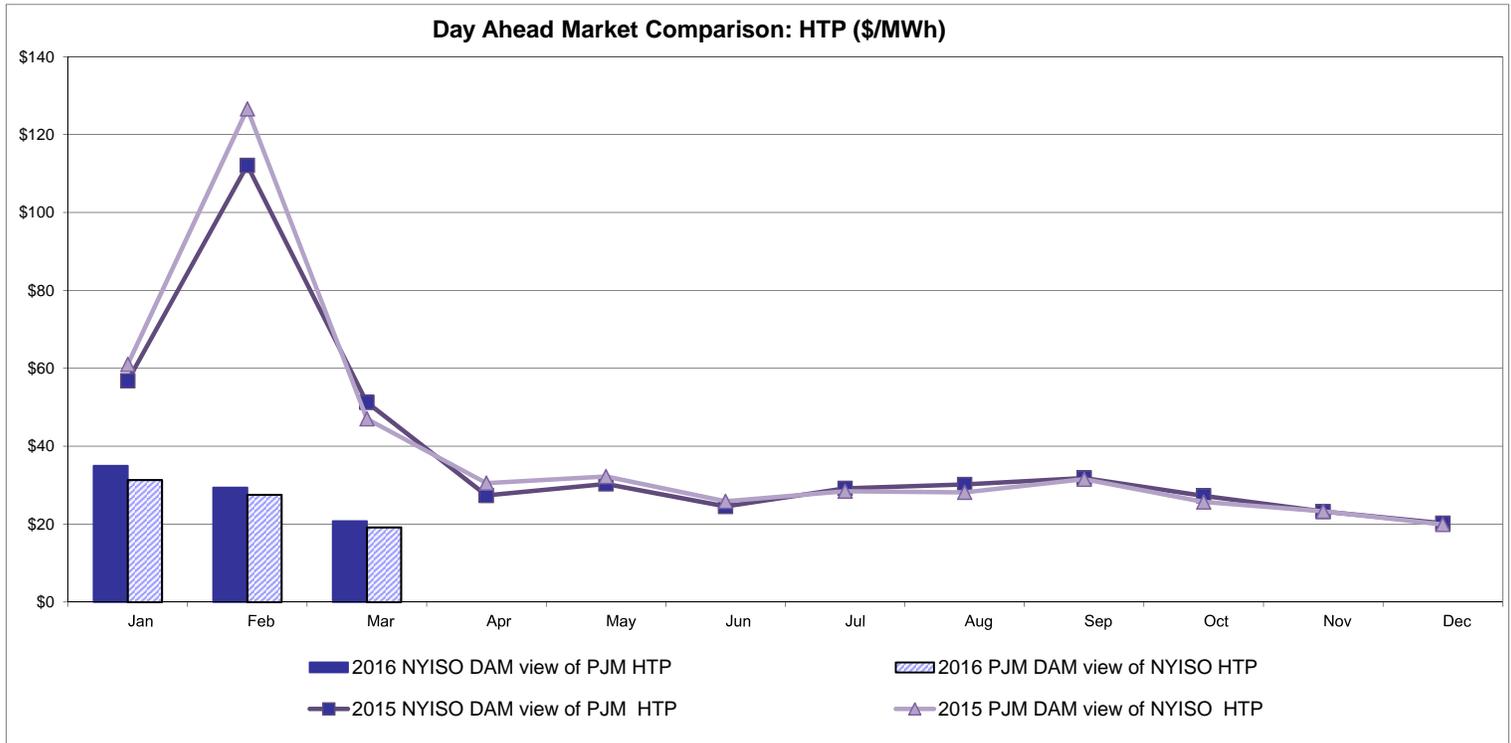


Note:
Hydro-Quebec Prices are unavailable.

External Controllable Line: Linden VFT (PJM)



External Controllable Line: Hudson (PJM)

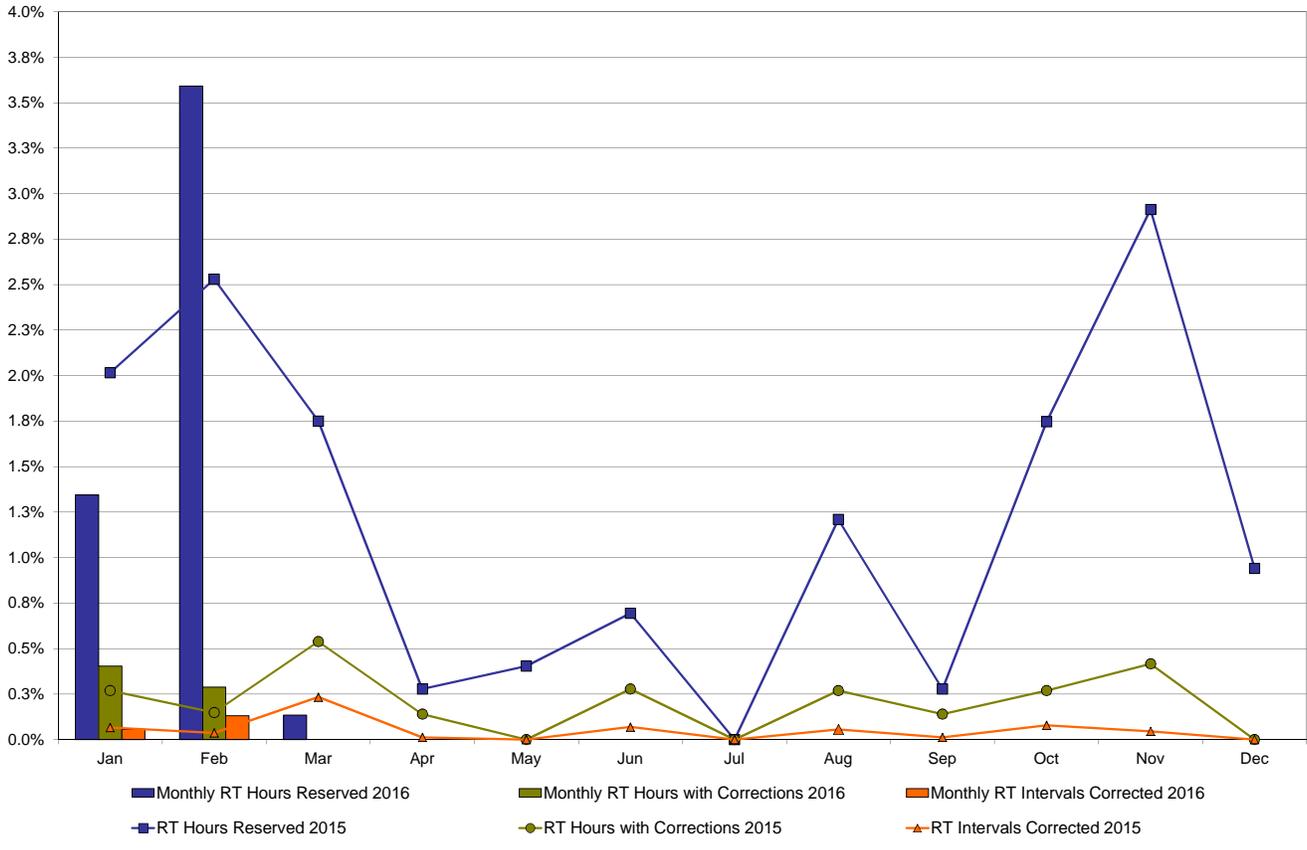


NYISO Real Time Price Correction Statistics

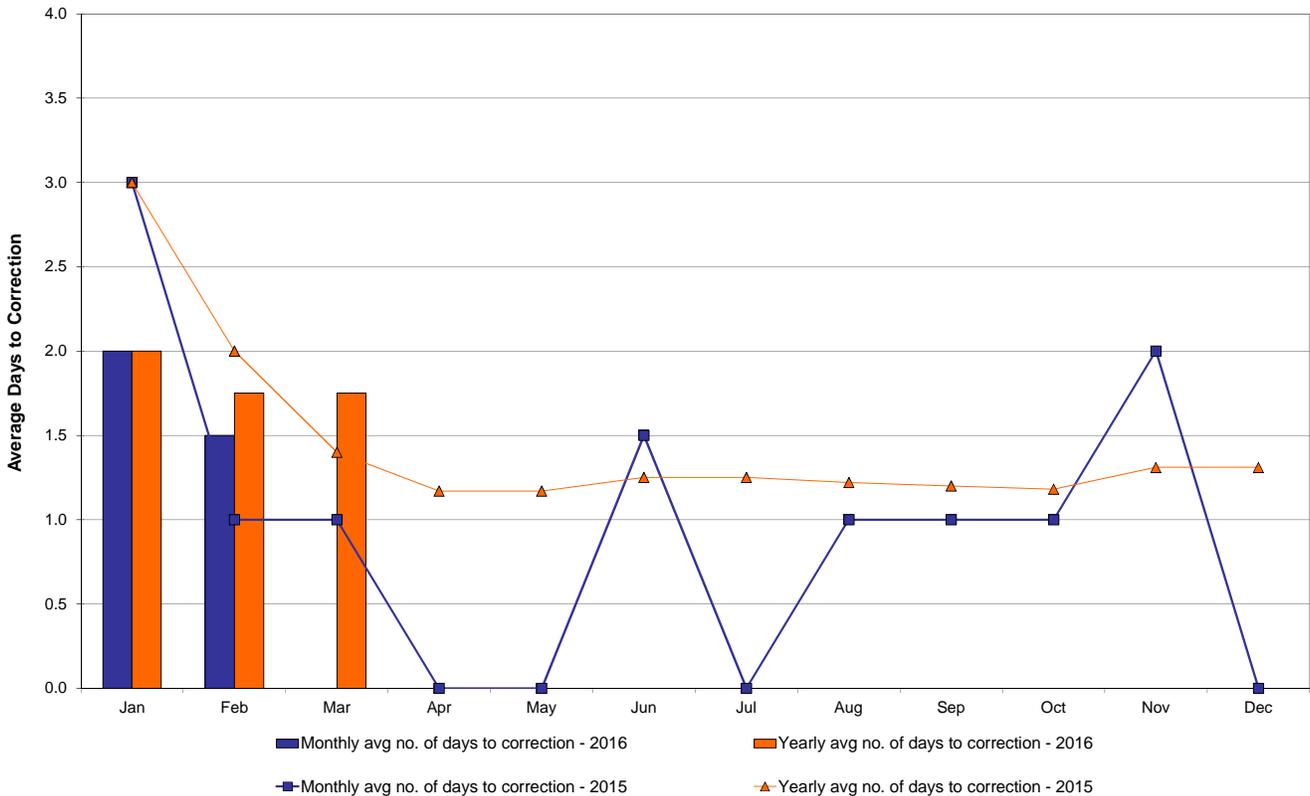
2016		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Hour Corrections													
Number of hours with corrections	in the month	3	2	0									
Number of hours	in the month	744	696	743									
% of hours with corrections	in the month	0.40%	0.29%	0.00%									
% of hours with corrections	year-to-date	0.40%	0.35%	0.23%									
Interval Corrections													
Number of intervals corrected	in the month	5	11	0									
Number of intervals	in the month	9,000	8,440	8,995									
% of intervals corrected	in the month	0.06%	0.13%	0.00%									
% of intervals corrected	year-to-date	0.06%	0.09%	0.06%									
Hours Reserved													
Number of hours reserved	in the month	10	25	1									
Number of hours	in the month	744	696	743									
% of hours reserved	in the month	1.34%	3.59%	0.13%									
% of hours reserved	year-to-date	1.34%	2.43%	1.65%									
Days to Correction *													
Avg. number of days to correction	in the month	2.00	1.50	0.00									
Avg. number of days to correction	year-to-date	2.00	1.75	1.75									
Days Without Corrections													
Days without corrections	in the month	29	27	31									
Days without corrections	year-to-date	29	56	87									
2015		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Hour Corrections													
Number of hours with corrections	in the month	2	1	4	1	0	2	0	2	1	2	3	0
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744	721	744
% of hours with corrections	in the month	0.27%	0.15%	0.54%	0.14%	0.00%	0.28%	0.00%	0.27%	0.14%	0.27%	0.42%	0.00%
% of hours with corrections	year-to-date	0.27%	0.21%	0.32%	0.28%	0.22%	0.23%	0.20%	0.21%	0.20%	0.21%	0.22%	0.21%
Interval Corrections													
Number of intervals corrected	in the month	6	3	21	1	0	6	0	5	1	7	4	0
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	8,975
% 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%	0.00%
% of intervals corrected	year-to-date	0.07%	0.05%	0.11%	0.09%	0.07%	0.07%	0.06%	0.06%	0.05%	0.06%	0.06%	0.05%
Hours Reserved													
Number of hours reserved	in the month	15	17	13	2	3	5	0	9	2	13	21	7
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744	721	744
% of hours reserved	in the month	2.02%	2.53%	1.75%	0.28%	0.40%	0.69%	0.00%	1.21%	0.28%	1.75%	2.91%	0.94%
% 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%	1.22%
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	0.00
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	1.31
Days Without Corrections													
Days without corrections	in the month	30	27	28	29	31	28	31	30	29	30	28	31
Days without corrections	year-to-date	30	57	85	114	145	173	204	234	263	293	321	352

* Calendar days from reservation date.

Percentage of Real-Time Corrections

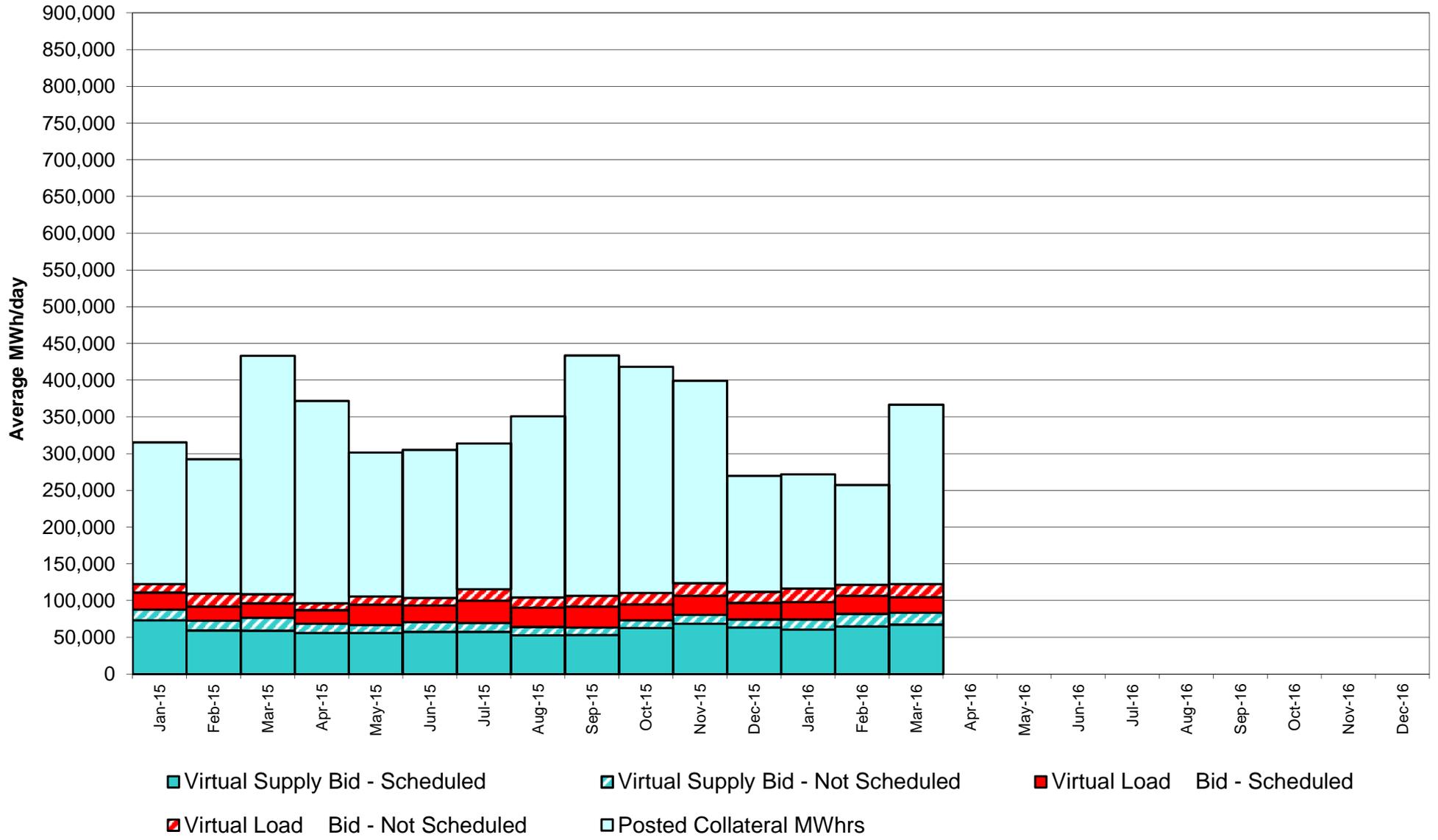


Annual average time period for making Price Corrections (from reservation date) *

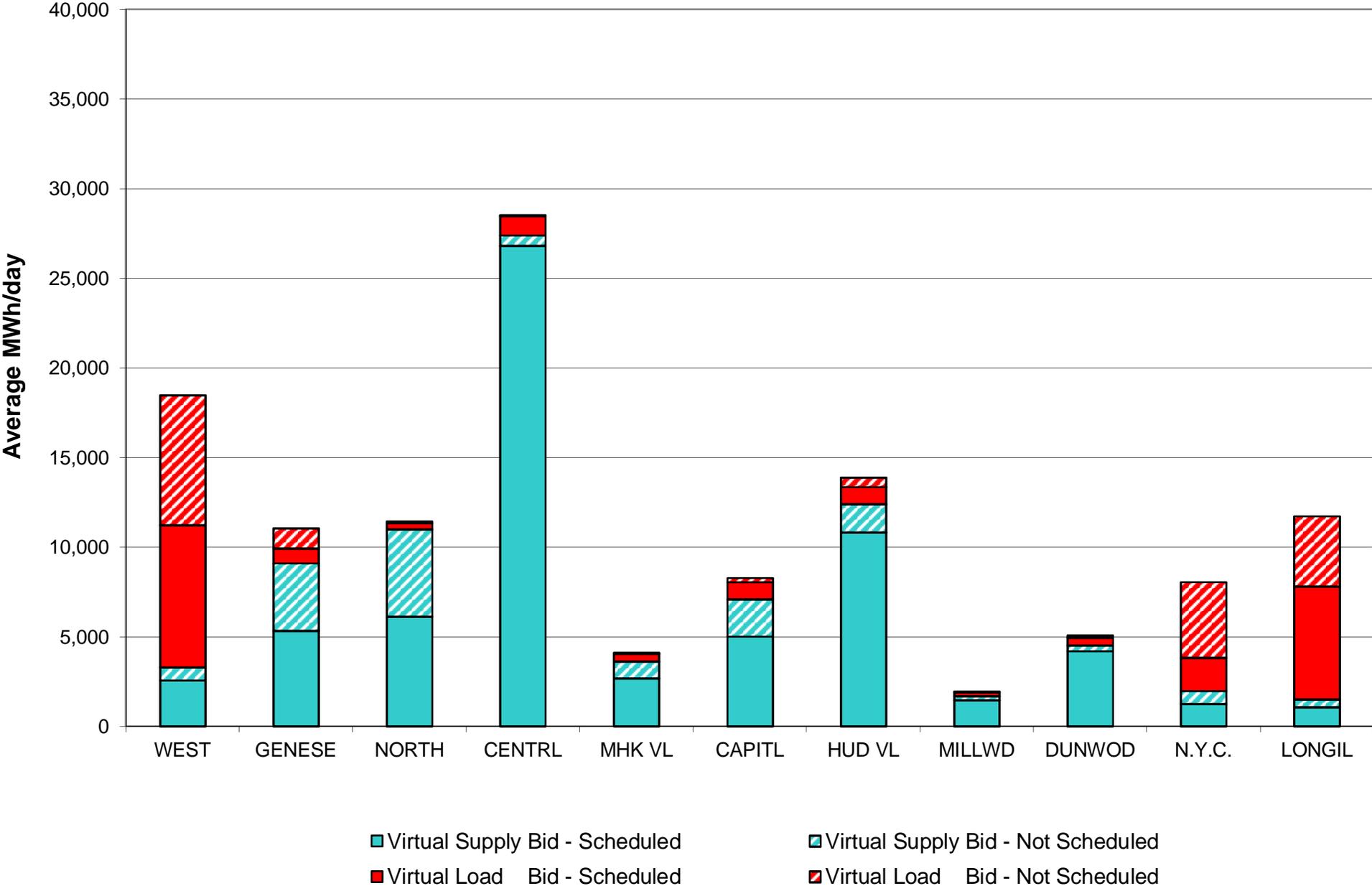


* Calendar days from reservation date.

NYISO Virtual Trading Average MWh per day



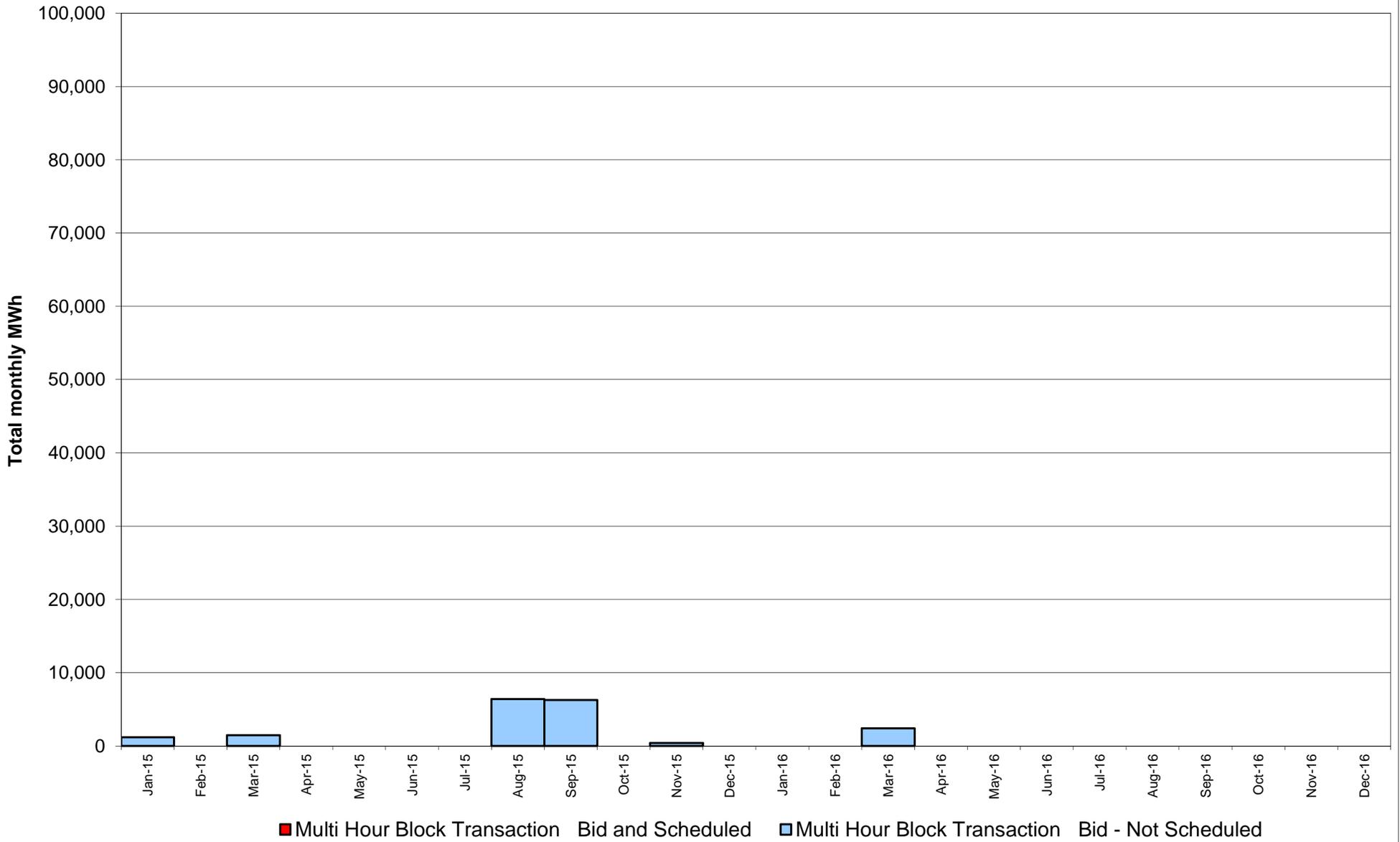
Virtual Load and Supply Zonal Statistics through March 31, 2016



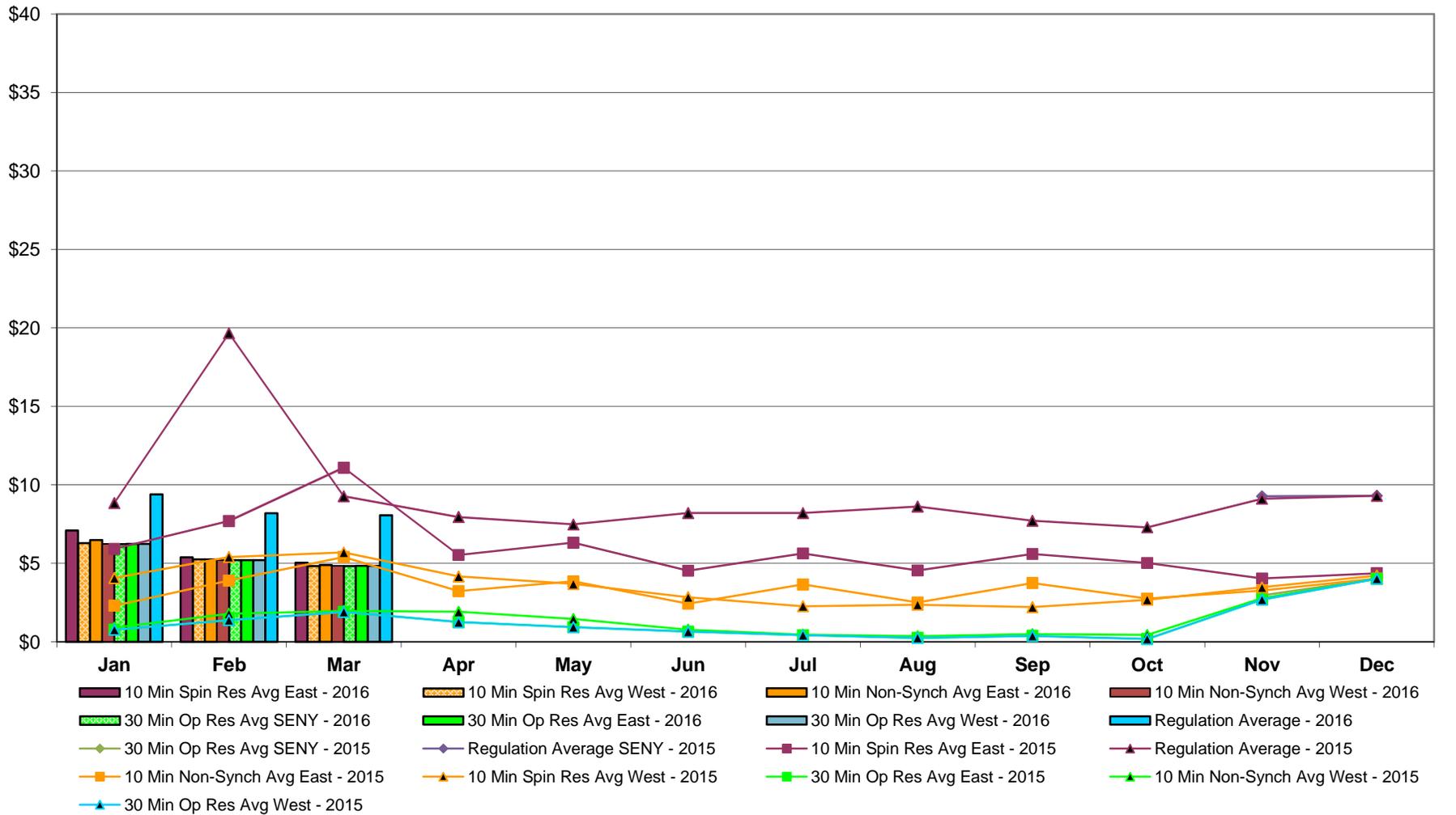
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2016

		Virtual Load Bid		Virtual Supply Bid				Virtual Load Bid		Virtual Supply Bid				Virtual Load Bid		Virtual Supply Bid	
Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled	Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled
WEST	Jan-16	8,416	4,440	2,862	419	MHK VL	Jan-16	463	92	2,024	146	DUNWOD	Jan-16	402	216	3,262	61
	Feb-16	7,967	3,554	2,706	521		Feb-16	544	80	2,329	611		Feb-16	803	185	3,555	269
	Mar-16	7,947	7,233	2,564	720		Mar-16	440	49	2,695	931		Mar-16	460	100	4,207	304
	Apr-16						Apr-16						Apr-16				
	May-16						May-16						May-16				
	Jun-16						Jun-16						Jun-16				
	Jul-16						Jul-16						Jul-16				
	Aug-16						Aug-16						Aug-16				
	Sep-16						Sep-16						Sep-16				
	Oct-16						Oct-16						Oct-16				
	Nov-16						Nov-16						Nov-16				
	Dec-16						Dec-16						Dec-16				
GENESE	Jan-16	1,030	638	3,868	2,421	CAPITL	Jan-16	2,195	1,472	4,568	3,470	N.Y.C.	Jan-16	2,862	4,976	2,531	648
	Feb-16	795	923	3,461	3,707		Feb-16	1,593	684	5,140	3,581		Feb-16	3,281	4,752	2,390	403
	Mar-16	824	1,113	5,340	3,764		Mar-16	960	238	5,023	2,071		Mar-16	1,838	4,229	1,239	748
	Apr-16						Apr-16						Apr-16				
	May-16						May-16						May-16				
	Jun-16						Jun-16						Jun-16				
	Jul-16						Jul-16						Jul-16				
	Aug-16						Aug-16						Aug-16				
	Sep-16						Sep-16						Sep-16				
	Oct-16						Oct-16						Oct-16				
	Nov-16						Nov-16						Nov-16				
	Dec-16						Dec-16						Dec-16				
NORTH	Jan-16	274	312	7,038	3,010	HUD VL	Jan-16	1,036	1,609	6,763	2,202	LONGIL	Jan-16	6,153	3,761	700	985
	Feb-16	499	215	7,169	3,894		Feb-16	1,008	1,135	9,550	3,078		Feb-16	6,539	3,211	814	869
	Mar-16	338	107	6,127	4,874		Mar-16	964	510	10,835	1,568		Mar-16	6,305	3,906	1,090	411
	Apr-16						Apr-16						Apr-16				
	May-16						May-16						May-16				
	Jun-16						Jun-16						Jun-16				
	Jul-16						Jul-16						Jul-16				
	Aug-16						Aug-16						Aug-16				
	Sep-16						Sep-16						Sep-16				
	Oct-16						Oct-16						Oct-16				
	Nov-16						Nov-16						Nov-16				
	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	975	212	26,176	301		Feb-16	403	145	1,477	100		Feb-16	24,407	15,096	64,766	17,335
	Mar-16	1,076	70	26,818	564		Mar-16	182	60	1,462	239		Mar-16	21,332	17,615	67,399	16,195
	Apr-16						Apr-16						Apr-16				
	May-16						May-16						May-16				
	Jun-16						Jun-16						Jun-16				
	Jul-16						Jul-16						Jul-16				
	Aug-16						Aug-16						Aug-16				
	Sep-16						Sep-16						Sep-16				
	Oct-16						Oct-16						Oct-16				
	Nov-16						Nov-16						Nov-16				
	Dec-16						Dec-16						Dec-16				

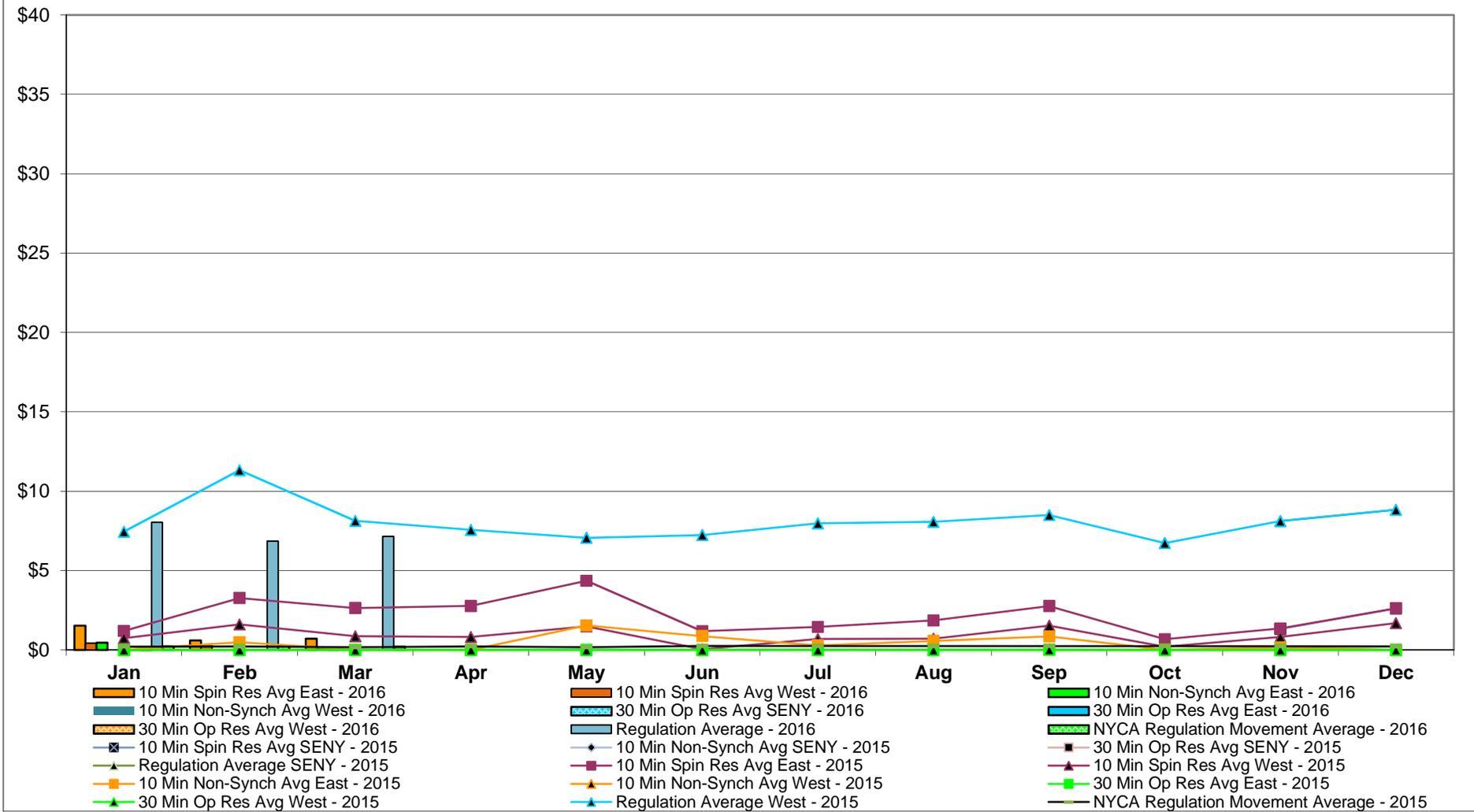
NYISO Multi Hour Block Transactions Monthly Total MWh



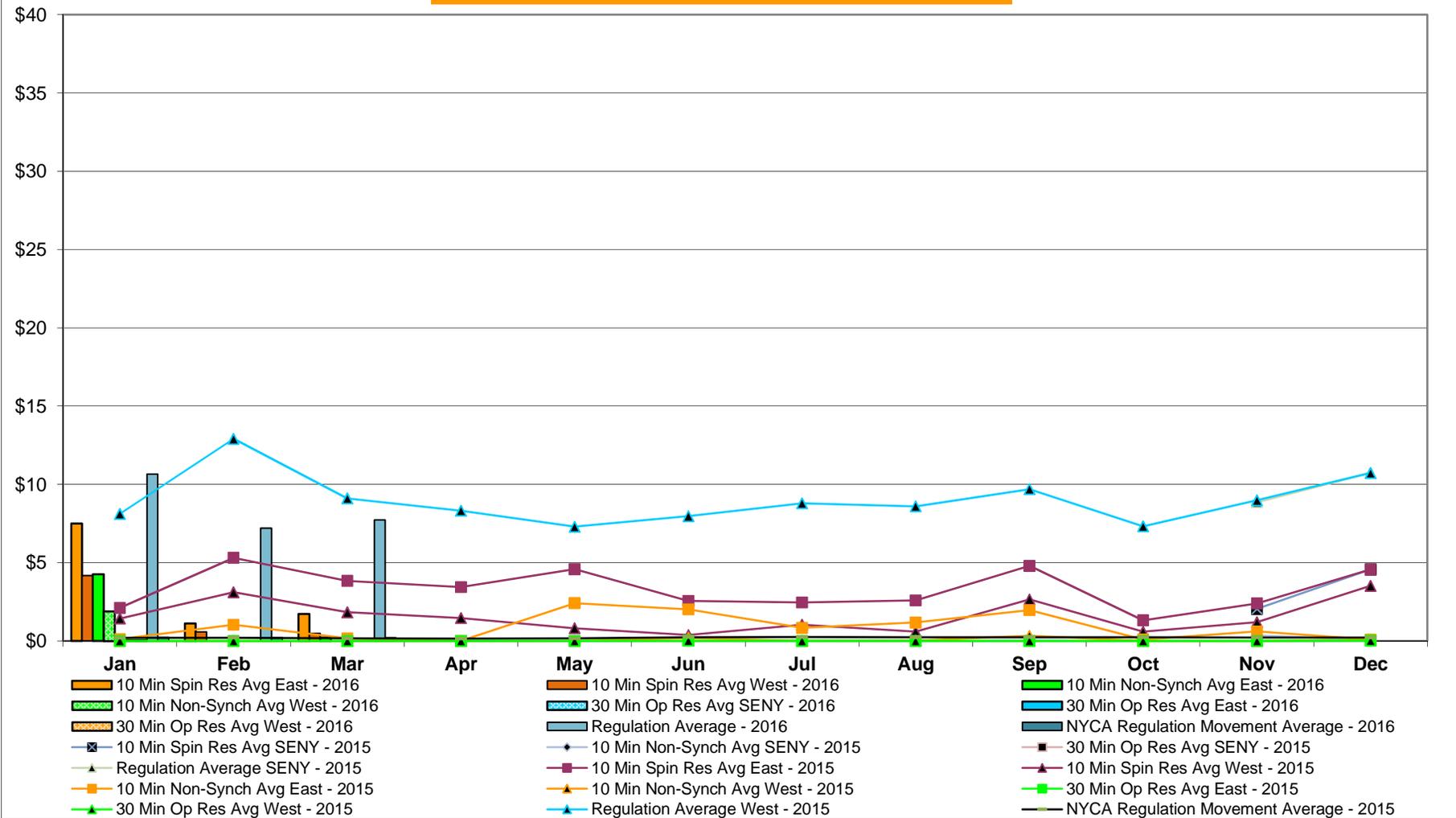
NYISO Monthly Average Ancillary Service Prices Day Ahead Market 2015 - 2016



NYISO Monthly Average Ancillary Service Prices RTC Market 2015 - 2016



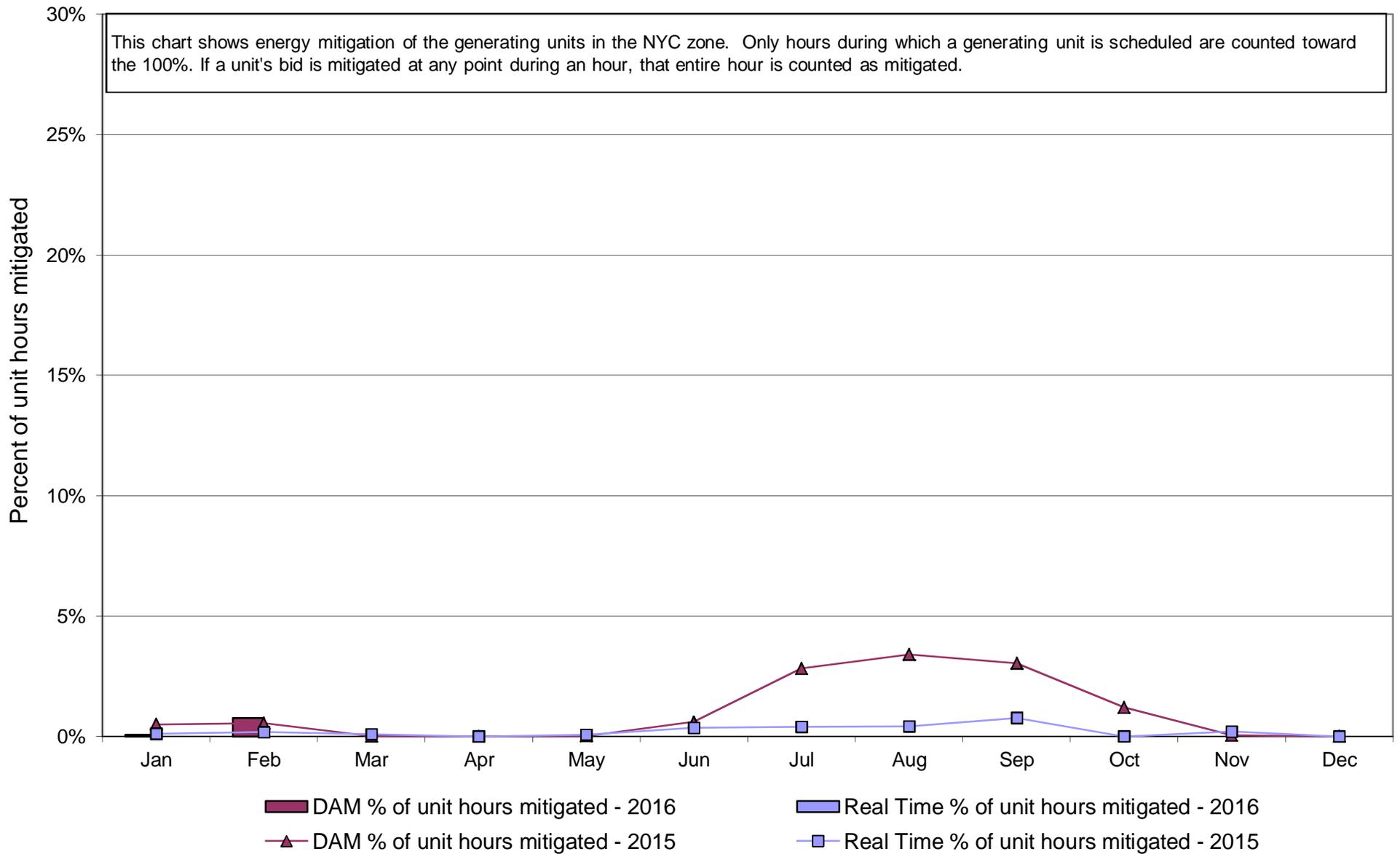
NYISO Monthly Average Ancillary Service Prices Real Time Market 2015 - 2016



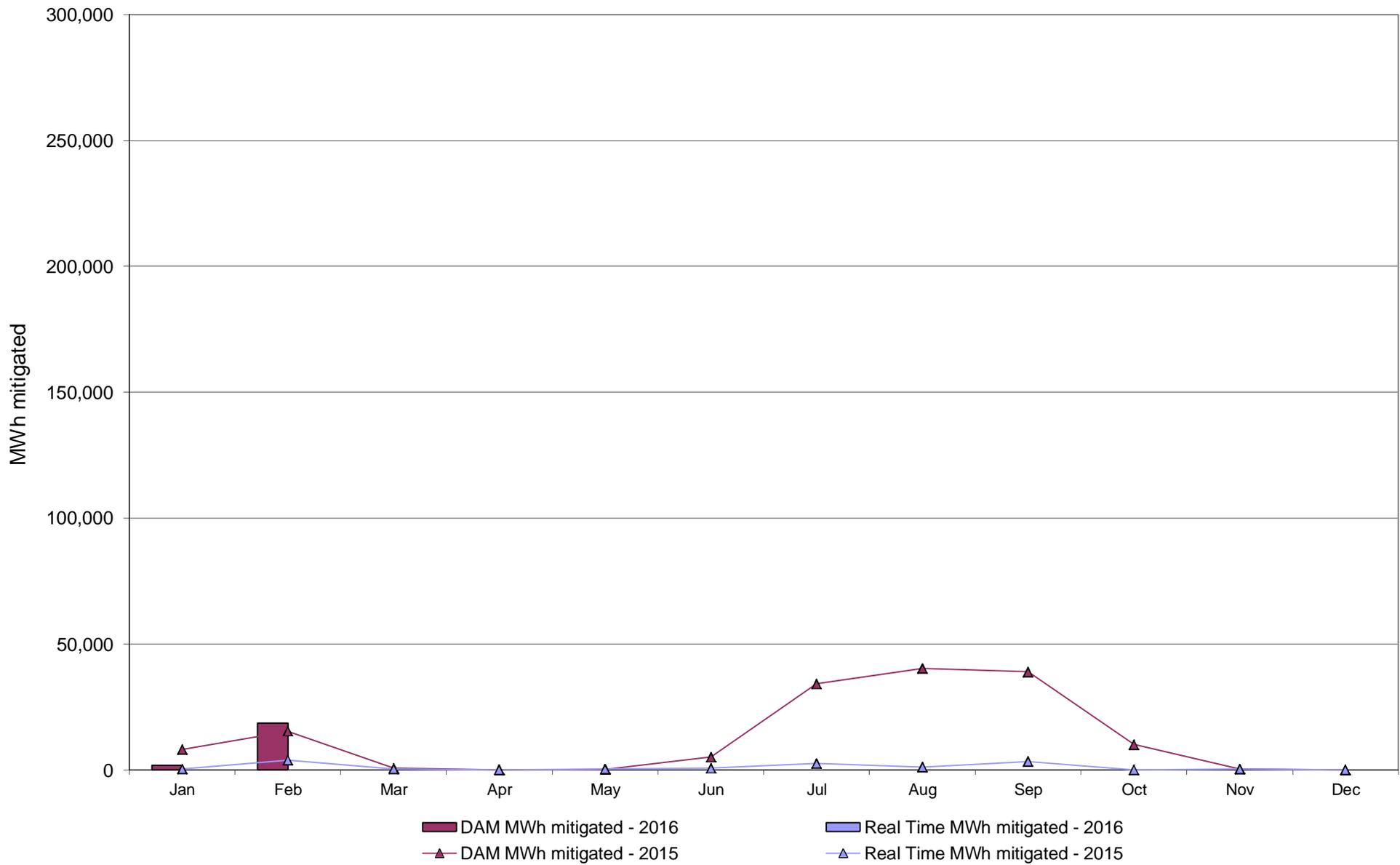
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

2016	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Day Ahead Market												
10 Min Spin East	7.09	5.38	5.04									
10 Min Spin West	6.28	5.25	4.84									
10 Min Non Synch East	6.47	5.25	4.88									
10 Min Non Synch West	6.23	5.20	4.84									
30 Min SENY	6.23	5.20	4.84									
30 Min East	6.23	5.20	4.84									
30 Min West	6.23	5.20	4.84									
Regulation	9.39	8.19	8.05									
RTC Market												
10 Min Spin East	1.53	0.59	0.71									
10 Min Spin West	0.42	0.26	0.08									
10 Min Non Synch East	0.45	0.00	0.17									
10 Min Non Synch West	0.04	0.00	0.00									
30 Min SENY	0.01	0.00	0.00									
30 Min East	0.01	0.00	0.00									
30 Min West	0.01	0.00	0.00									
Regulation	8.04	6.86	7.15									
NYCA Regulation Movement	0.23	0.21	0.20									
Real Time Market												
10 Min Spin East	7.51	1.12	1.73									
10 Min Spin West	4.17	0.58	0.48									
10 Min Non Synch East	4.26	0.00	0.22									
10 Min Non Synch West	1.89	0.00	0.00									
30 Min SENY	0.06	0.00	0.00									
30 Min East	0.06	0.00	0.00									
30 Min West	0.06	0.00	0.00									
Regulation	10.66	7.21	7.73									
NYCA Regulation Movement	0.23	0.22	0.20									
2015												
Day Ahead Market												
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	4.36
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	4.22
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	4.03
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	4.02
30 Min SENY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.95	4.02
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	4.02
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	4.02
Regulation	8.84	19.65	9.27	7.94	7.48	8.20	8.20	8.61	7.71	7.29	9.10	9.30
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	2.62
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	1.68
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	0.01
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	0.00
30 Min SENY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	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	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	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	8.83
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	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	4.57
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	3.53
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	0.09
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	0.05
30 Min SENY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.00	0.03
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	0.03
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	0.03
Regulation	8.12	12.91	9.11	8.32	7.30	7.97	8.80	8.60	9.69	7.32	8.98	10.73
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	0.21

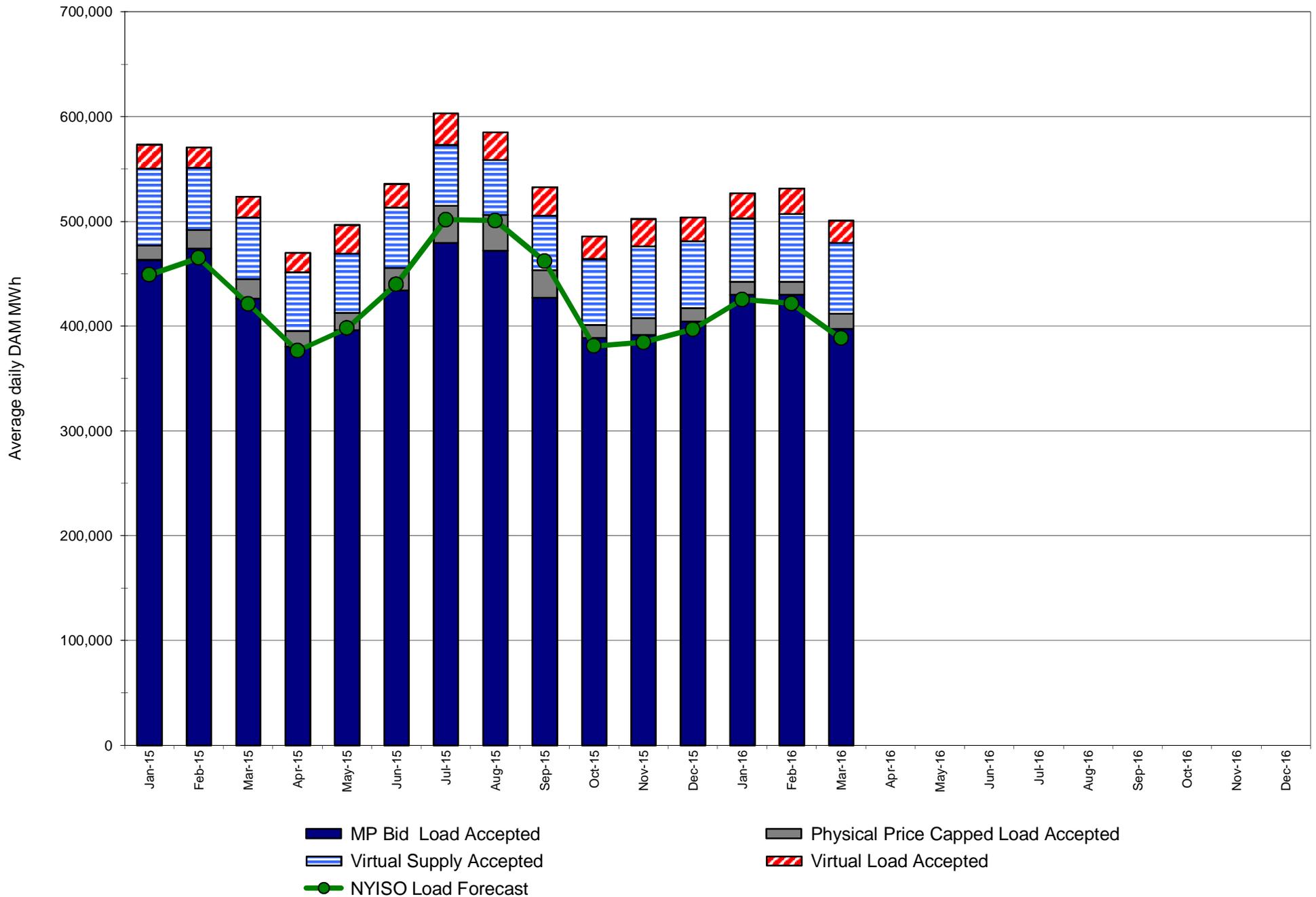
NYISO In City Energy Mitigation - AMP (NYC Zone) 2015 - 2016 Percentage of committed unit-hours mitigated



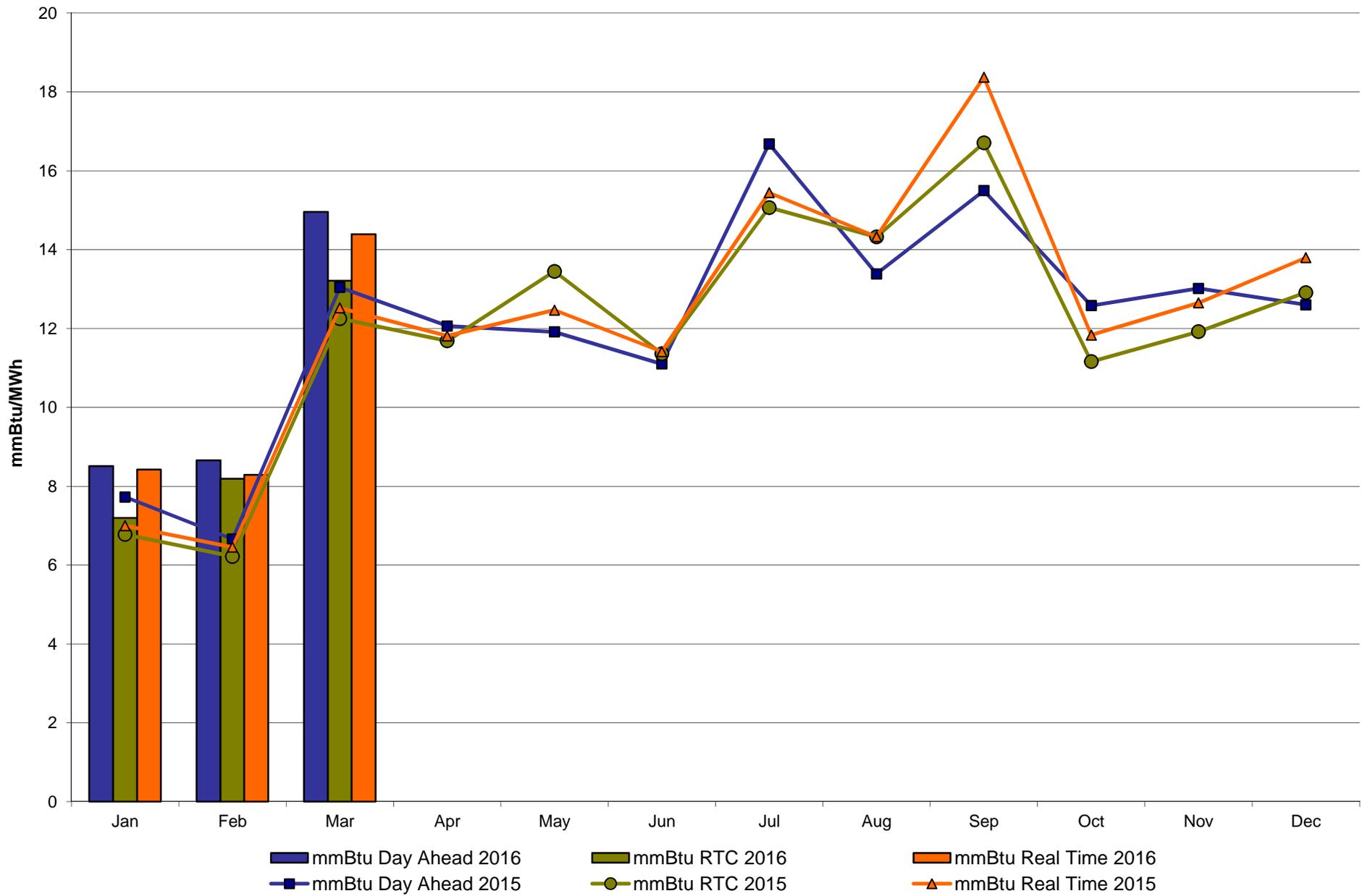
NYISO In City Energy Mitigation (NYC Zone) 2015 - 2016
Monthly megawatt hours mitigated



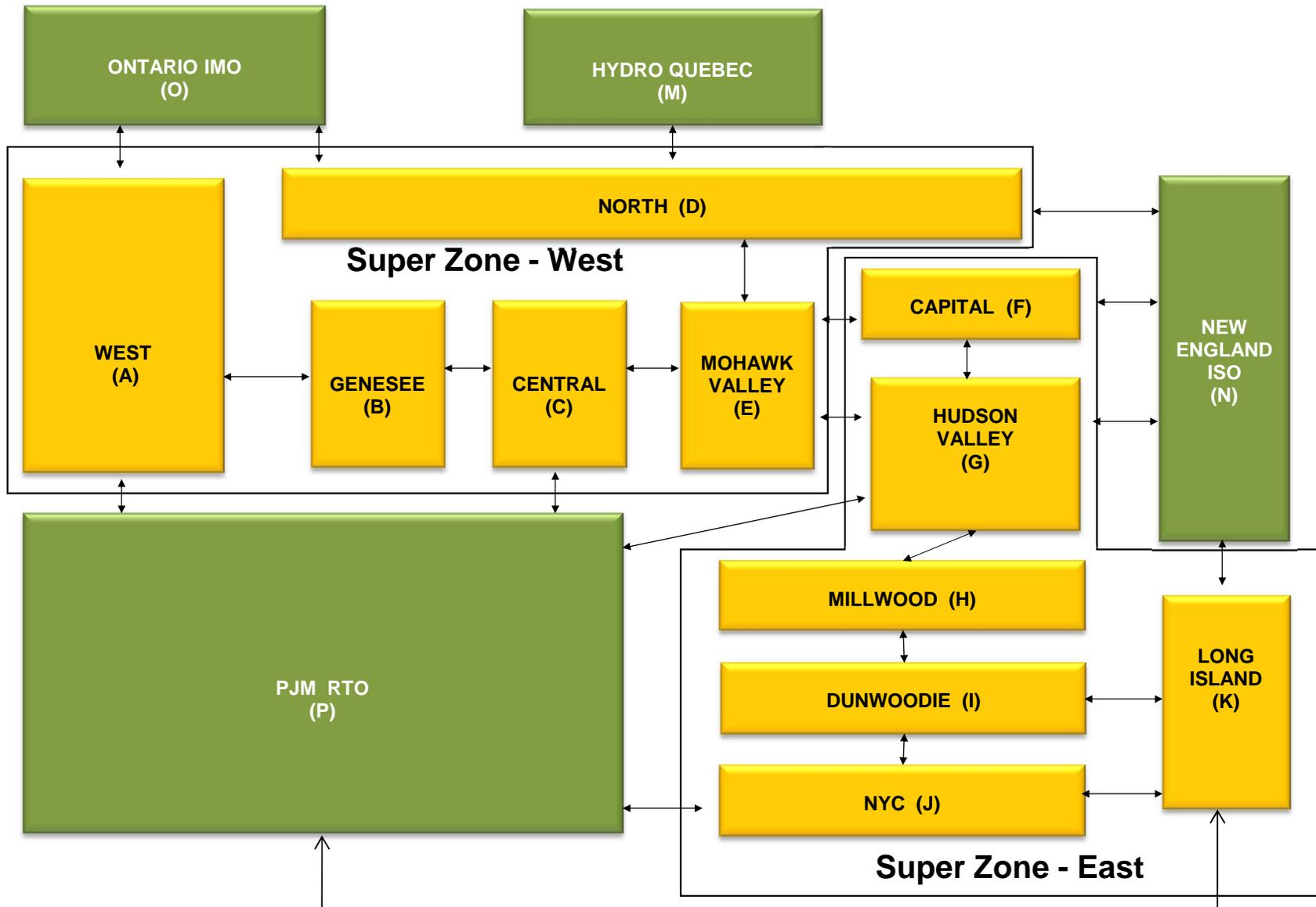
NYISO Average Daily DAM Load Bid Summary



Monthly Implied Heat Rate 2015-2016



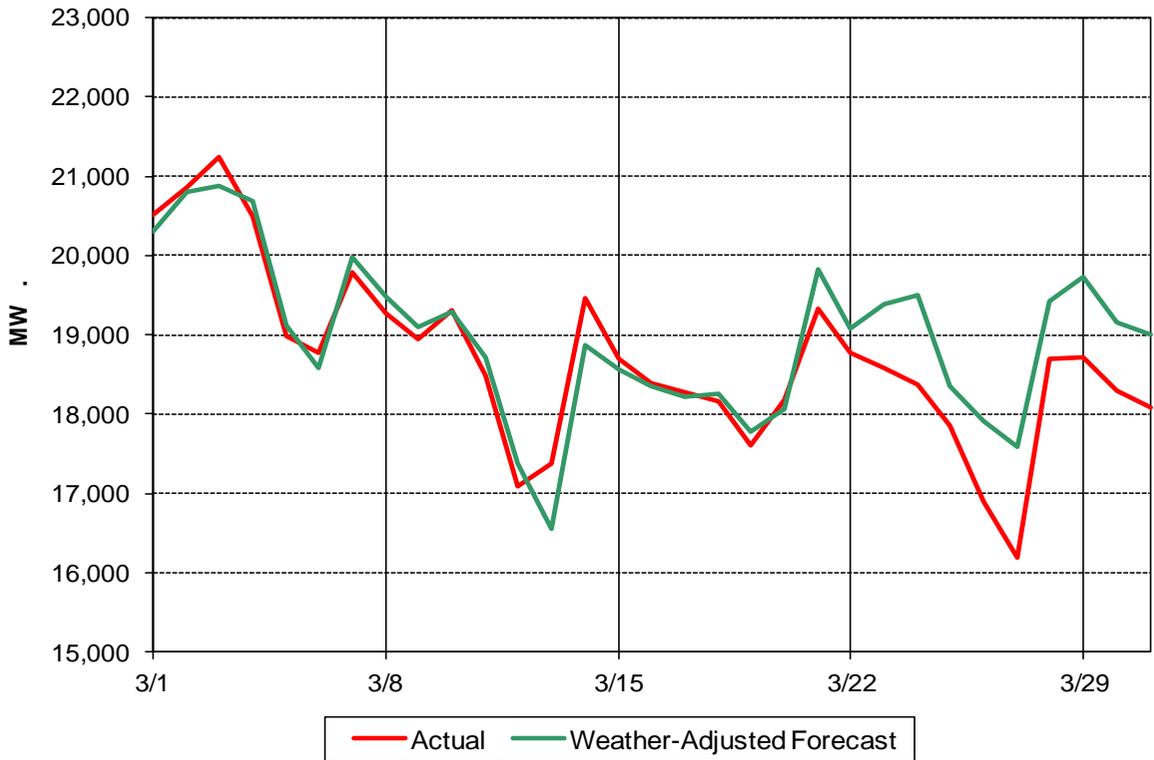
NYISO LBMP ZONES



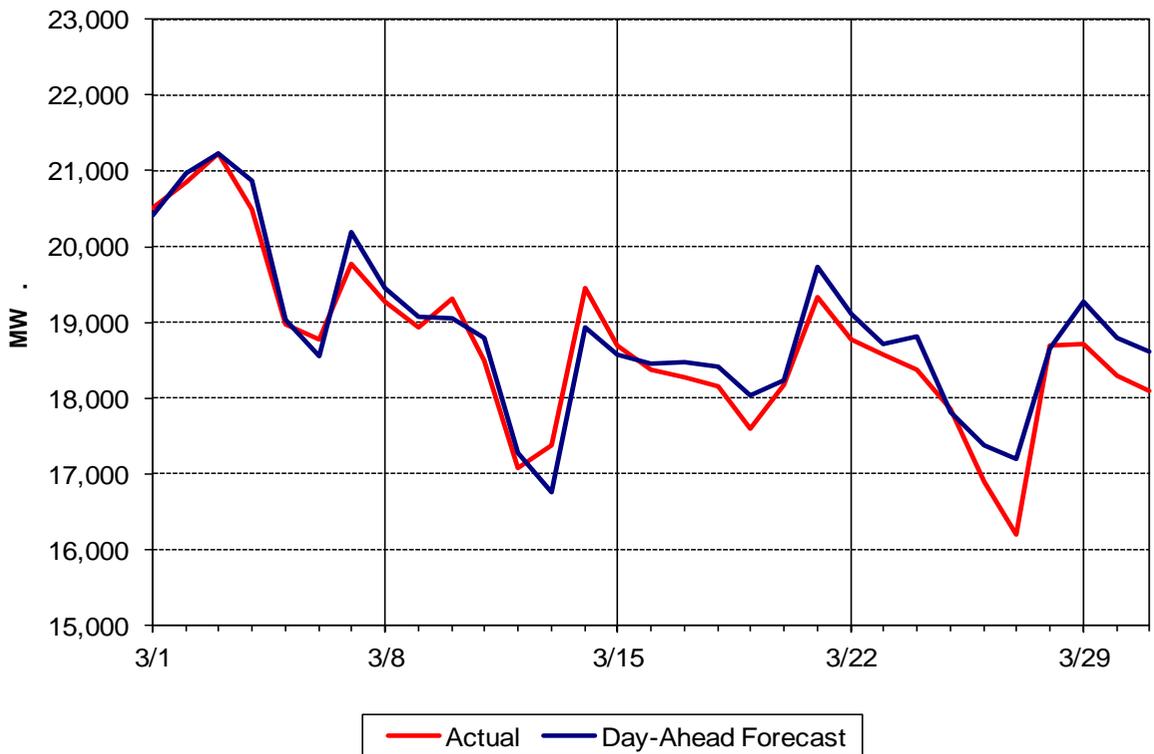
Billing Codes for Chart C

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

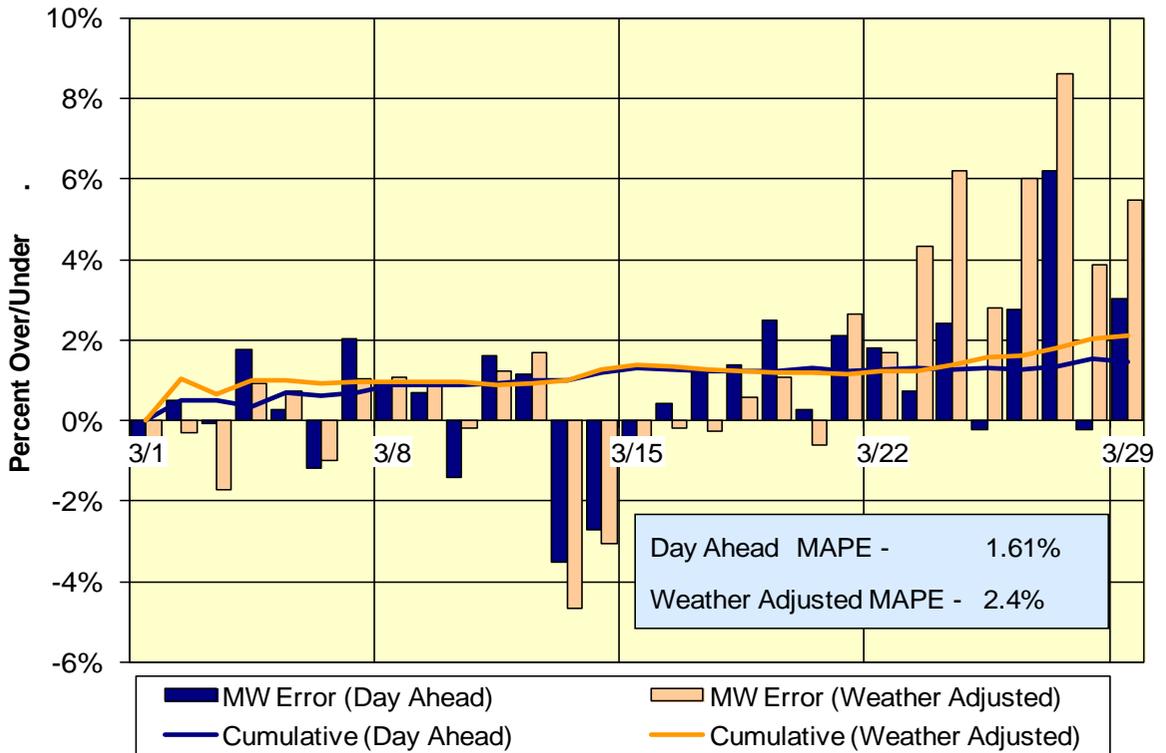
**NYISO Daily Peak Load - March 2016
Actual vs. Weather-Adjusted Forecast**



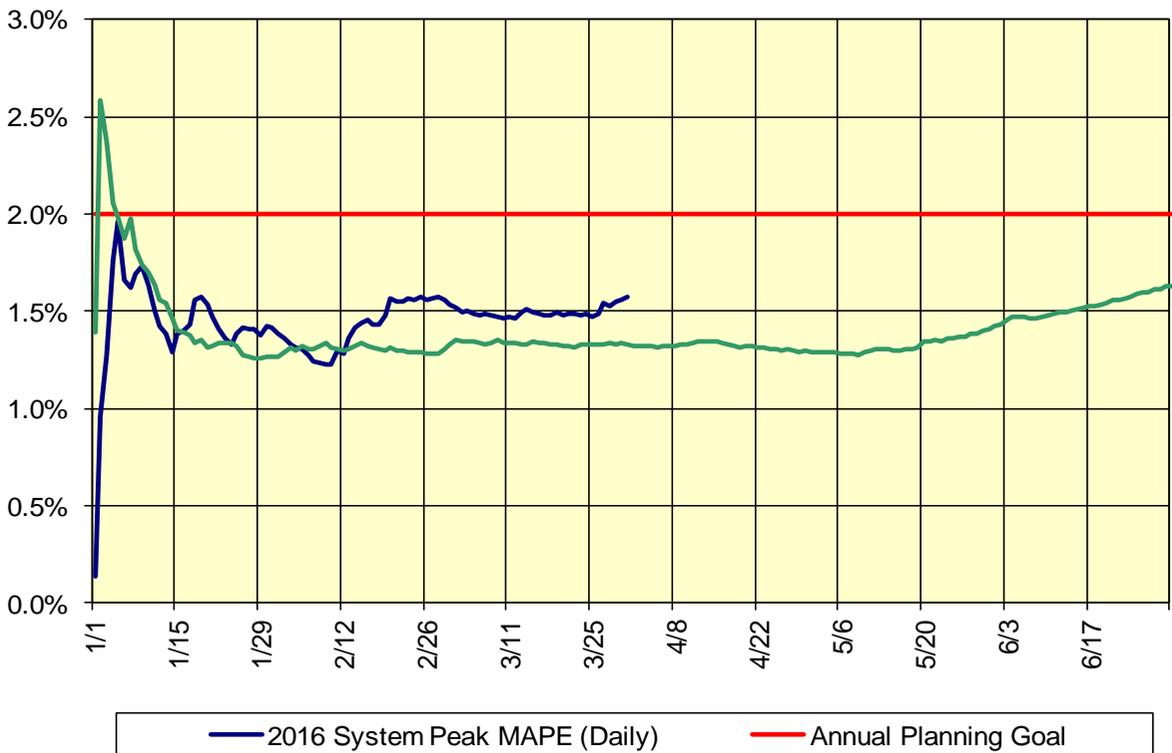
**NYISO Daily Peak Load - March 2016
Actual vs. Forecast**



Day Ahead Peak Forecast - March 2016 Percent Error - Actual & Weather Adjusted



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



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

Filing Date	Filing Summary	Docket	Order Date	Order Summary
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	03/18/2016	NYPSC order granted NYISO the authorization to incur indebtedness
11/30/2015	NYISO 205 filing re: tariff amendments to implement improved scarcity pricing logic in the Real-Time Market	ER16-425-000	03/01/2016	FERC order accepted revisions subject to further compliance and the filing of a two week advance notice of the proposed effective date
01/28/2016	NYISO compliance filing re: establishing an effective date for transmission shortage costs	ER15-485-001	03/03/2016	FERC letter order accepted the 02/11/2016 effective date, as requested
01/28/2016	NYISO compliance filing re: establishing an effective date for certain comprehensive shortage pricing cost tariff revisions	ER15-1061-002	03/04/2016	FERC letter order accepted the 02/11/2016 effective date, as requested
01/29/2016	NYISO filing on behalf of NYPA re: revisions to existing OATT NTAC provisions and a new NYPA rate schedule	ER16-835-000	03/31/2016	FERC order accepted NYPA's proposed formula rate and protocols to be effective 04/01/2016, as requested, and set them for hearing and settlement judge procedures
02/12/2016	NYISO compliance filing on behalf of Niagara Mohawk Power Corp. re: OATT Wholesale Transmission Service Charge revisions	ER14-543-003	03/18/2016	FERC letter order accepted the TSC revisions effective 07/01/2013, as requested
02/17/2016	NYISO compliance filing re: to provide the basis for the methodology the NYISO will use to project likely Energy and Ancillary Services revenues for controllable transmission lines in its buyer-side mitigation determinations	ER16-959-000	03/22/2016	FERC letter order accepted the revisions subject to a compliance filing to provide a two week notice of the actual effective date
03/02/2016	NYISO filing re: amendment to the 02/19/2016 filing of a notice of termination of SGIA (SA 1483) among Niagara Mohawk Power Corporation, Green Power Energy and NYISO	ER16-975-000		
03/04/2016	NYISO filing re: responses to FERC questions concerning price formation in energy and ancillary services markets	AD14-14-000		
03/08/2016	NYISO filing re: request for extension of compliance filing deadline concerning revisions to the buyer side market power mitigation rules	EL15-64-000	03/14/2016	FERC notice granted the request for extension of the compliance deadline up to and including 04/13/16

03/11/2016	NYISO compliance filing re: to add a verification requirement to the exemption from physical withholding evaluation for generators that indicate they are unable to provide output in the RTM because doing so would require the Generator to burn unauthorized natural gas	ER16-168-002		
03/11/2016	NYISO filing re: motion to intervene and comment concerning the Dry Lots Wind LLC request for waiver of a regulatory milestone	ER16-1047-000		
03/15/2016	NYISO confidential filing to the NYPSC re: three-month Reliability Commitment Data Report for the period ending 02/29/2016	PSC Matter No. 10-020007		
03/16/2016	NYISO filing re: eleventh informational report on efforts to develop rules addressing compensation to generators that are determined to be needed for reliability	ER10-2220-000		No order to be issued.
03/16/2016	NYISO filing re: refiling of the eleventh informational report on efforts to develop rules addressing compensation to generators that are determined to be needed for reliability to now include a Certificate of Service	ER10-2220-000		No order to be issued.
03/17/2016	NYISO 205 filing re: OATT and Services Tariff revisions to incorporate Behind-the-Meter Net Generation Resources into the NYISO's Energy, Ancillary Services and Capacity Markets	ER16-1213-000		
03/17/2016	NYISO filing re: request for partial extension of time to file further Order No. 1000 compliance tariff revisions	ER13-102-007	03/23/2016	FERC notice granted the extension up to and including 9/13/16, as requested.
03/18/2016	NYISO filing re: an executed transmission facility interconnection agreement (Service Agreement No. 2257) among NYSEG, Trans-Allegheny Interstate Line Company, and NYISO	ER16-1230-000		
03/21/2016	NYISO compliance filing re: Broader Regional Markets Informational Report	ER08-1281-001		
03/22/2016	NYISO compliance filing re: Order No. 1000 regional transmission planning requirements and directives from the 12/23/2015 order directing further compliance	ER13-102-009		
03/23/2016	NYISO refiling re: corrected responses to FERC questions concerning price formation in energy and ancillary services markets	AD14-14-000		

03/25/2016	NYISO compliance filing to the NYPSC re: letter accepting the terms and conditions of the PSC order authorizing NYISO to incur indebtedness for a term in excess of twelve months	PSC Case No. 15-E-0655		
03/28/2016	NYISO filing re: report on the results of its triennial New Capacity Zone Study	ER16-1280-000		
03/28/2016	NYISO confidential filing to the NYPSC re: response to data request concerning the MAPS data base input for the 2015 CARIS I Study	PSC Case No. 00-E-1380		
03/29/2016	NYISO compliance filing re: to identify and state where certain scarcity pricing tariff provisions apply to shortage events versus scarcity events	ER16-425-001		
03/31/2016	NYISO compliance filing re: annual report on unreserved use and late study penalties	OE08-109-000		