



Monthly Report

February 2016

TABLE OF CONTENTS

- Operations Performance Metrics Report
- Market Operation's Report
- Daily Loads
- Regulatory Filings

Operations Performance Metrics Monthly Report



February 2016 Report

Operations & Reliability Department New York Independent System Operator

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

Table of Contents

- ◆ **Highlights**
 - *Operations Performance*

- ◆ **Reliability Performance Metrics**
 - *Alert State Declarations*
 - *Major Emergency State Declarations*
 - *IROL Exceedance Times*
 - *Balancing Area Control Performance*
 - *Reserve Activations*
 - *Disturbance Recovery Times*
 - *Load Forecasting Performance*
 - *Wind Forecasting Performance*
 - *Wind Curtailment Performance*
 - *Lake Erie Circulation and ISO Schedules*

- ◆ **Broader Regional Market Performance Metrics**
 - *Ramapo Interconnection Congestion Coordination Monthly Value*
 - *Ramapo Interconnection Congestion Coordination Daily Value*
 - *Regional Generation Congestion Coordination Monthly Value*
 - *Regional Generation Congestion Coordination Daily Value*
 - *Regional RT Scheduling - PJM Monthly Value*
 - *Regional RT Scheduling - PJM Daily Value*

- ◆ **Market Performance Metrics**
 - *Monthly Statewide Uplift Components and Rate*
 - *RTM Congestion Residuals Monthly Trend*
 - *RTM Congestion Residuals Daily Costs*
 - *RTM Congestion Residuals Event Summary*
 - *RTM Congestion Residuals Cost Categories*
 - *DAM Congestion Residuals Monthly Trend*
 - *DAM Congestion Residuals Daily Costs*
 - *DAM Congestion Residuals Cost Categories*
 - *NYCA Unit Uplift Components Monthly Trend*
 - *NYCA Unit Uplift Components Daily Costs*
 - *Local Reliability Costs Monthly Trend & Commitment Hours*
 - *TCC Monthly Clearing Price with DAM Congestion*
 - *ICAP Spot Market Clearing Price*
 - *UCAP Awards*

February 2016 Operations Performance Highlights

- Peak load of 23,301 MW occurred on 02/11/2016 HB 18
- All-time winter capability period peak load of 25,738 MW occurred on 1/7/2014 HB 18
- 4 hours of Thunder Storm Alerts were declared
- 0 hours of NERC TLR level 3 curtailment
- Two Major Emergencies were declared on 2/3/2016, in HB10 and HB15, both for trips of the Gilboa-Fraser 345kV (#GF5-35) circuit causing the Central East interface flow to exceed its voltage collapse limit.
- A Major Emergency was declared on 2/15/2016 in HB06 for a trip of the Marcy-New Scotland 345kV (#18) causing the Central East interface flow to exceed its voltage collapse limit.
- The Graduated Transmission Demand Curve was implemented on 2/11/2016.
- The following table identifies the estimated production cost savings associated with the Broader Regional Market initiatives.

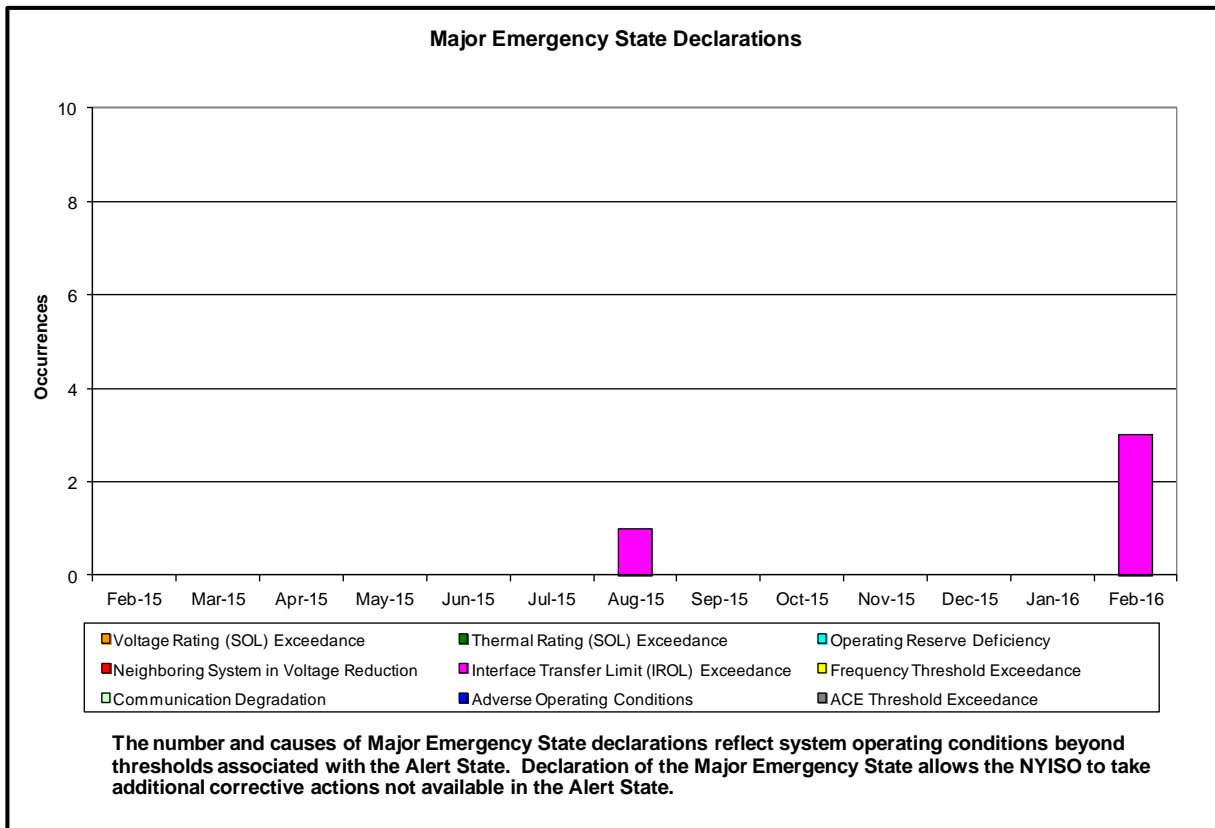
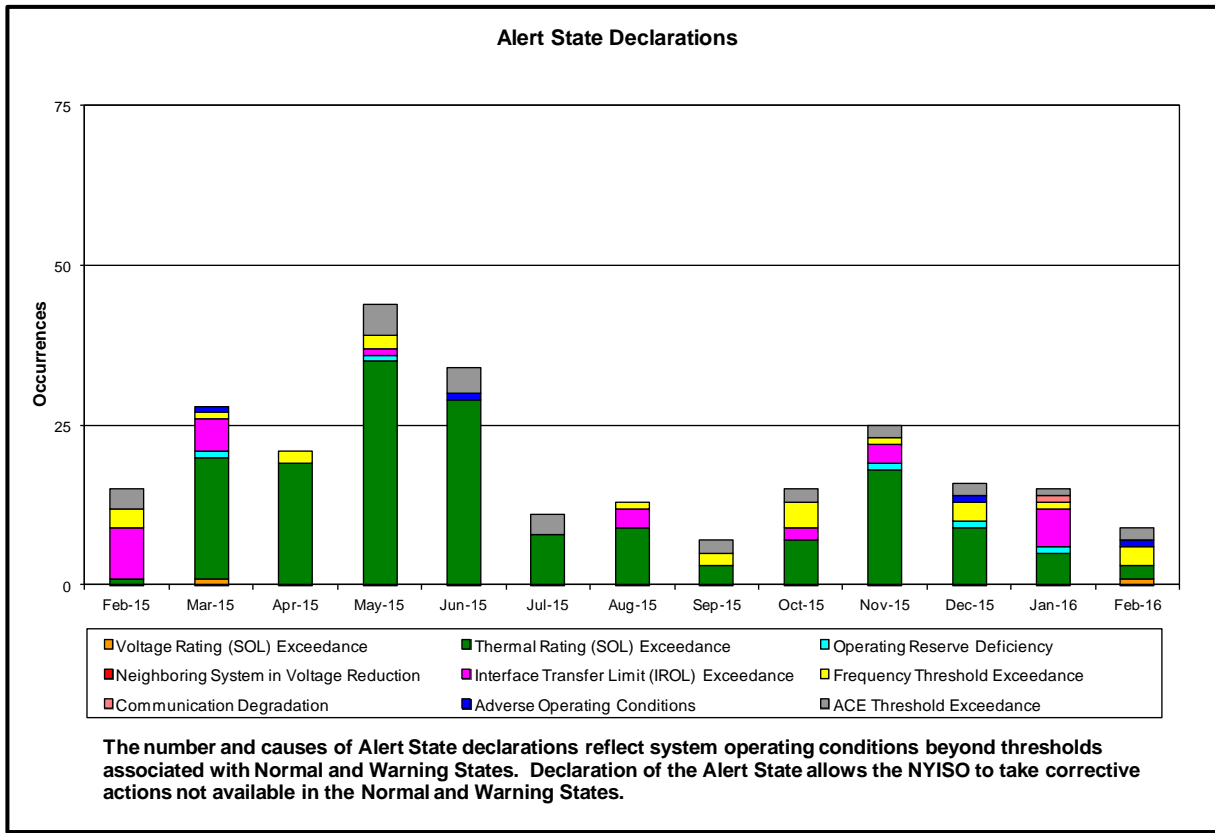
| | Current Month Value (\$M) | Year-to-Date Value (\$M) |
|--|---------------------------|--------------------------|
| NY Savings from PJM-NY Congestion Coordination | \$3.18 | \$11.06 |
| NY Savings from PJM-NY Coordinated Transaction Scheduling | \$0.31 | \$0.12 |
| NY Savings from NE-NY Coordinated Transaction Scheduling | (\$0.21) | (\$0.60) |
| Total NY Savings | \$3.28 | \$10.58 |
| Regional Savings from PJM-NY Coordinated Transaction Scheduling | \$0.35 | \$0.47 |
| Regional Savings from NE-NY Coordinated Transaction Scheduling | \$0.08 | \$0.27 |
| Total Regional Savings | \$0.43 | \$0.74 |

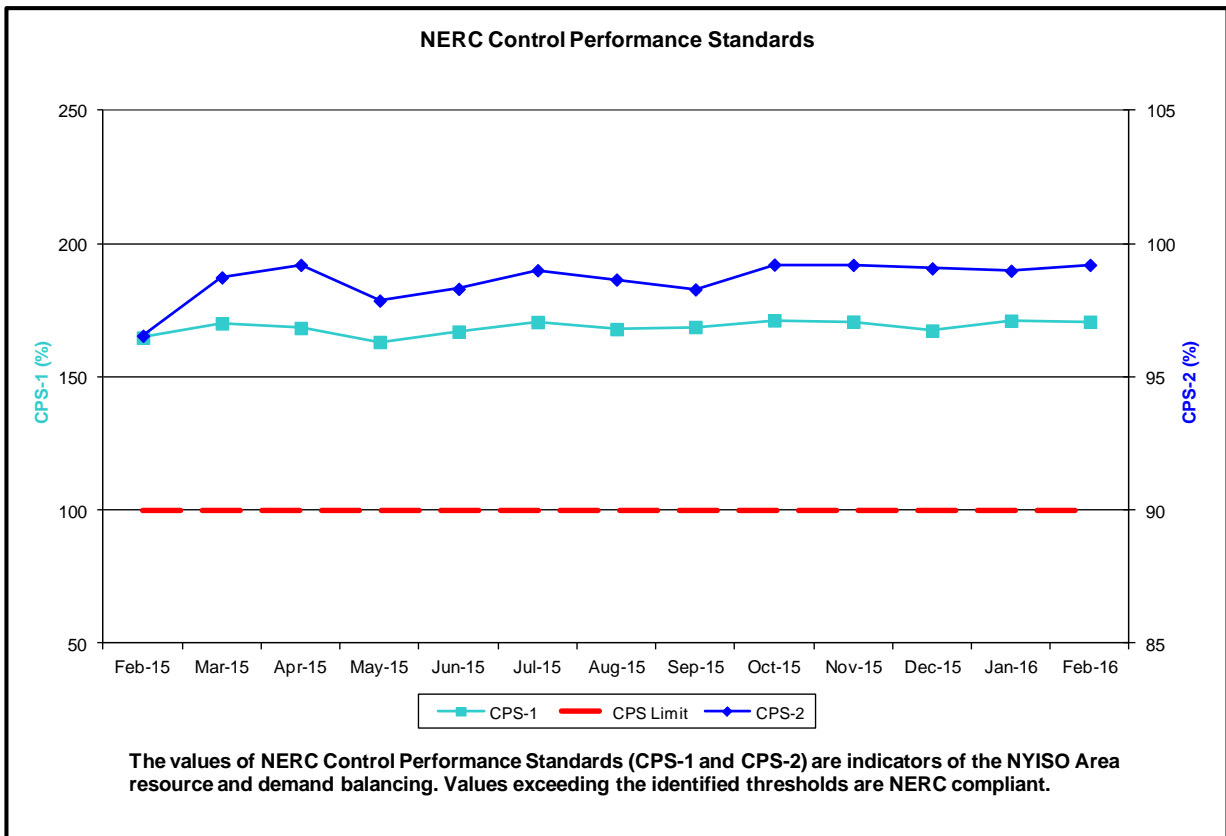
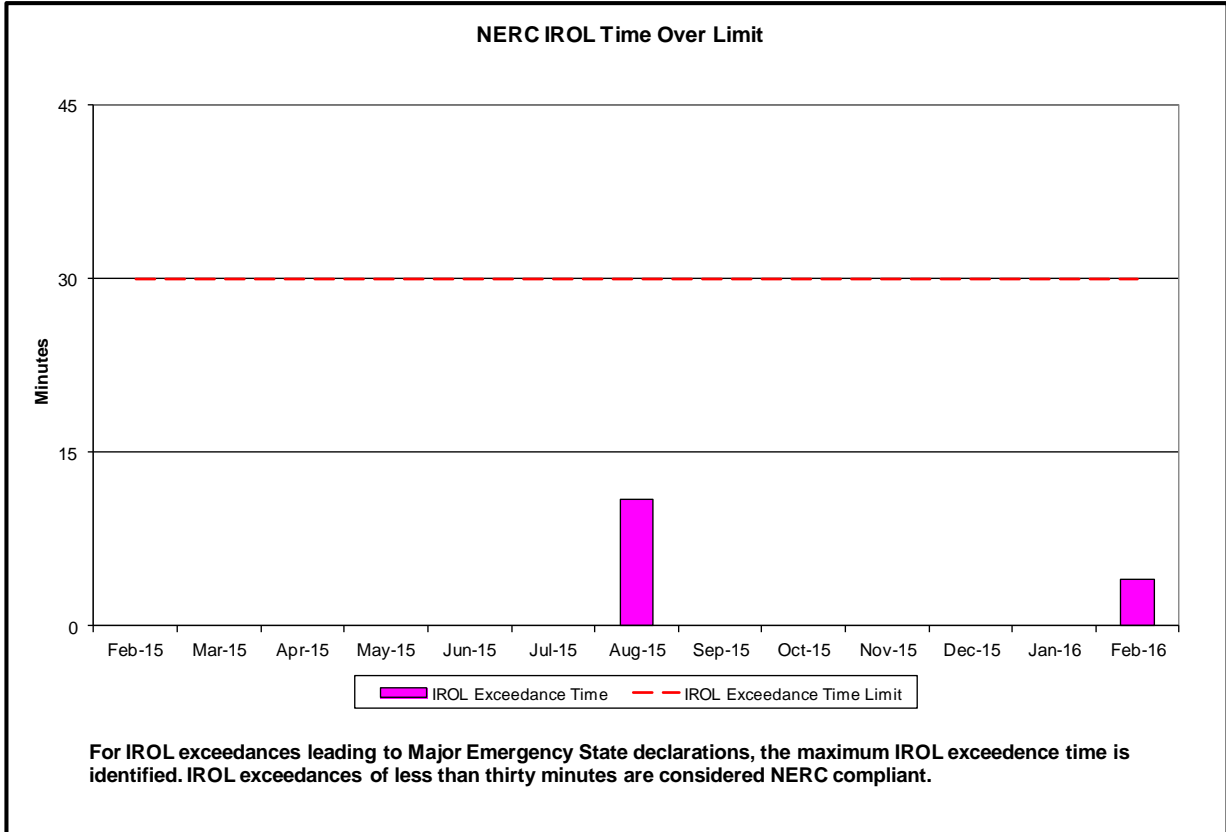
- Statewide uplift cost monthly average was (\$0.18)/MWh
- The following table identifies the Monthly ICAP spot market prices by locality and the price delta.

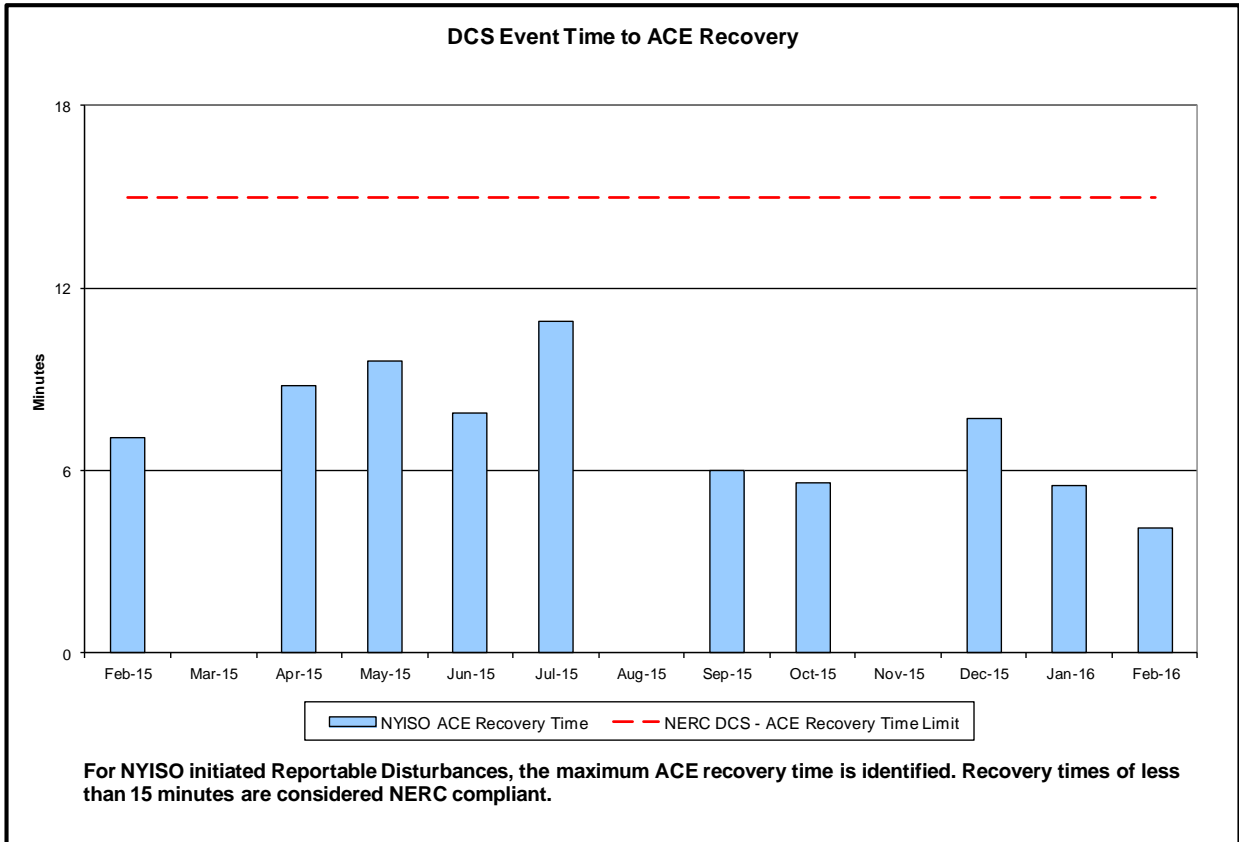
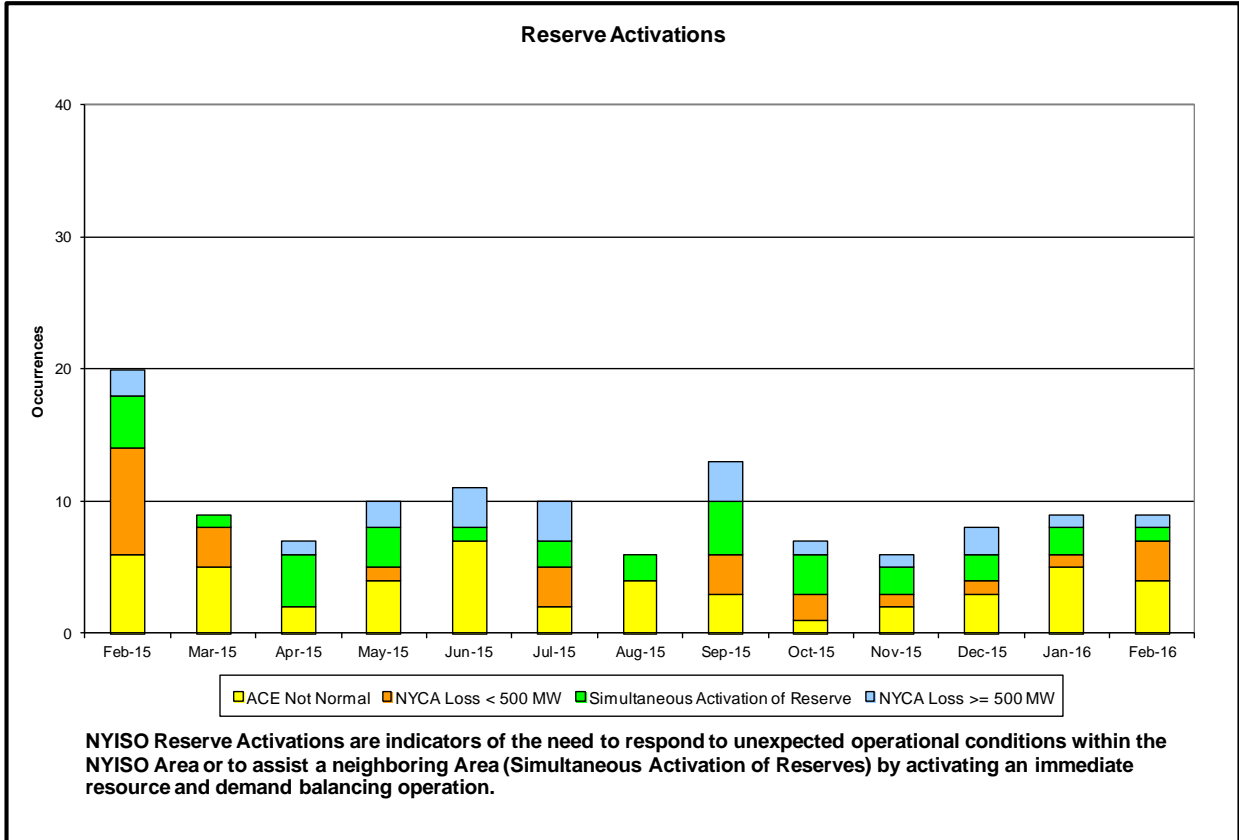
| Spot Auction Price Results | NYCA | Lower Hudson Valley Zones | New York City Zone | Long Island Zone |
|----------------------------|----------|---------------------------|--------------------|------------------|
| March 2016 Spot Price | \$0.54 | \$3.14 | \$5.81 | \$1.52 |
| February 2016 Spot Price | \$1.46 | \$3.15 | \$5.84 | \$1.53 |
| Delta | (\$0.92) | (\$0.01) | (\$0.03) | (\$0.01) |

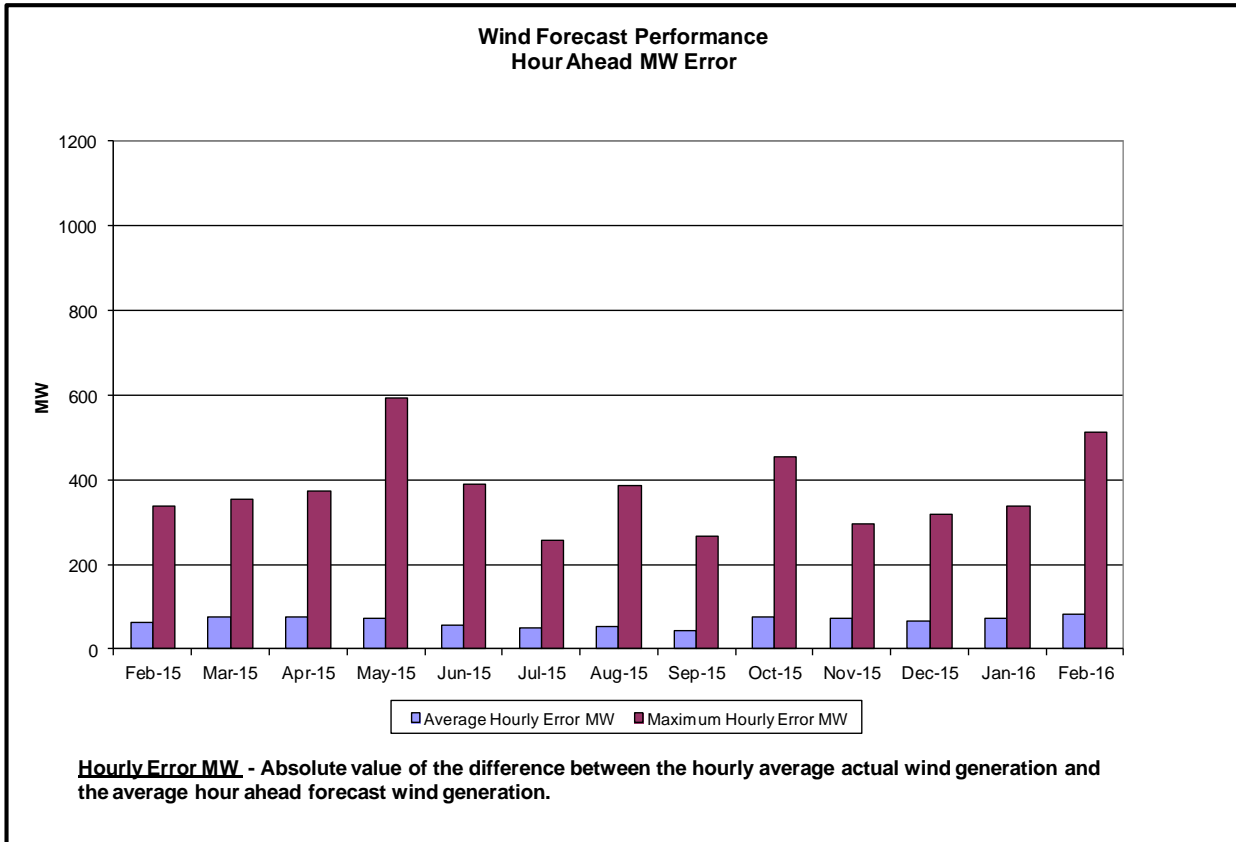
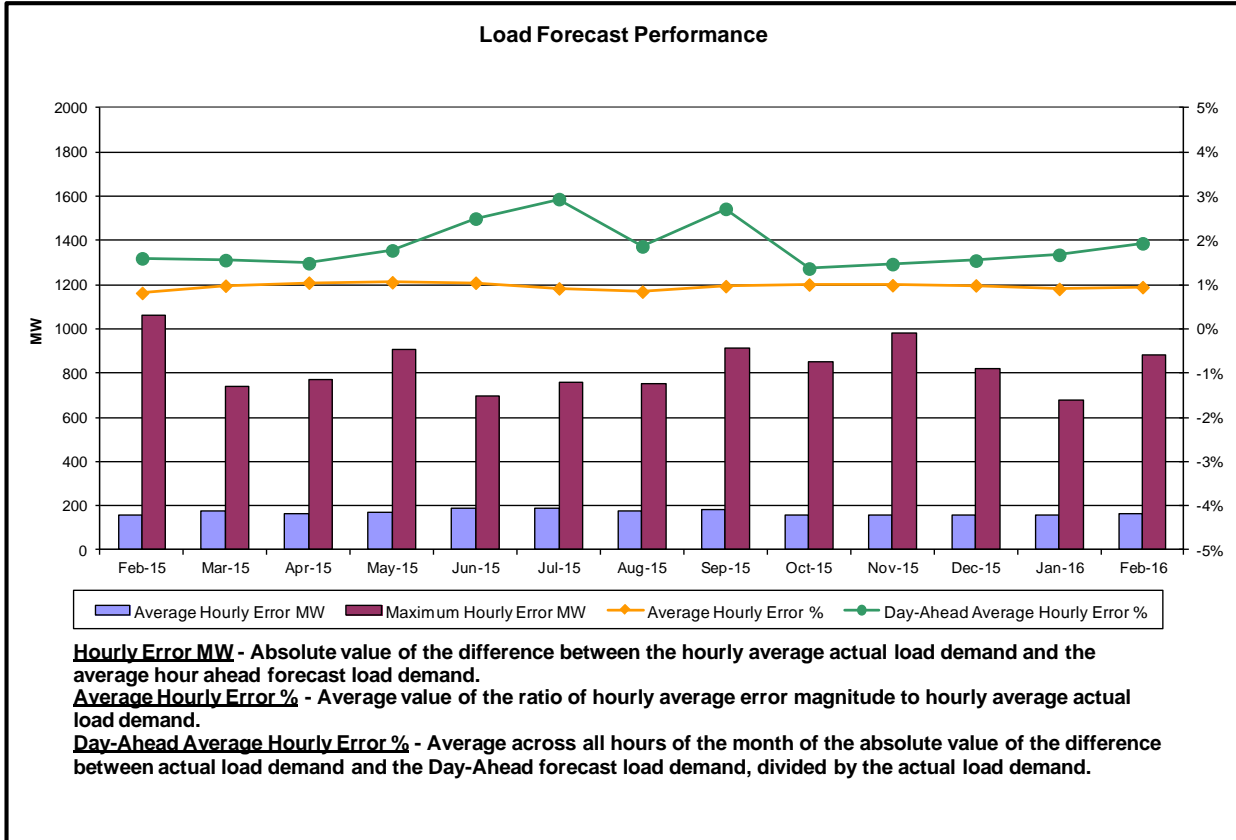
- NYCA - Price decreased \$0.92 due to an increase in net Imports which was partially offset by an increase in Unsold and Unoffered MW as well as a decrease in Generation UCAP Available.

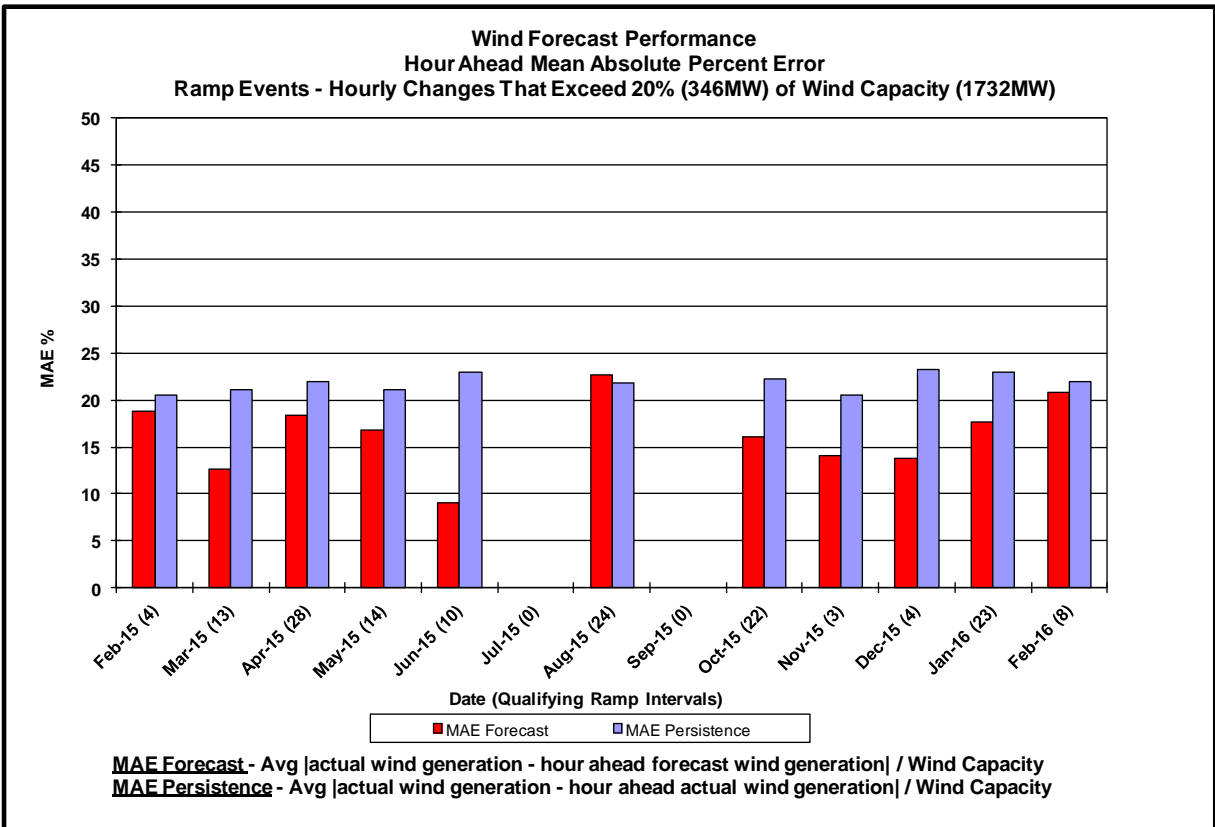
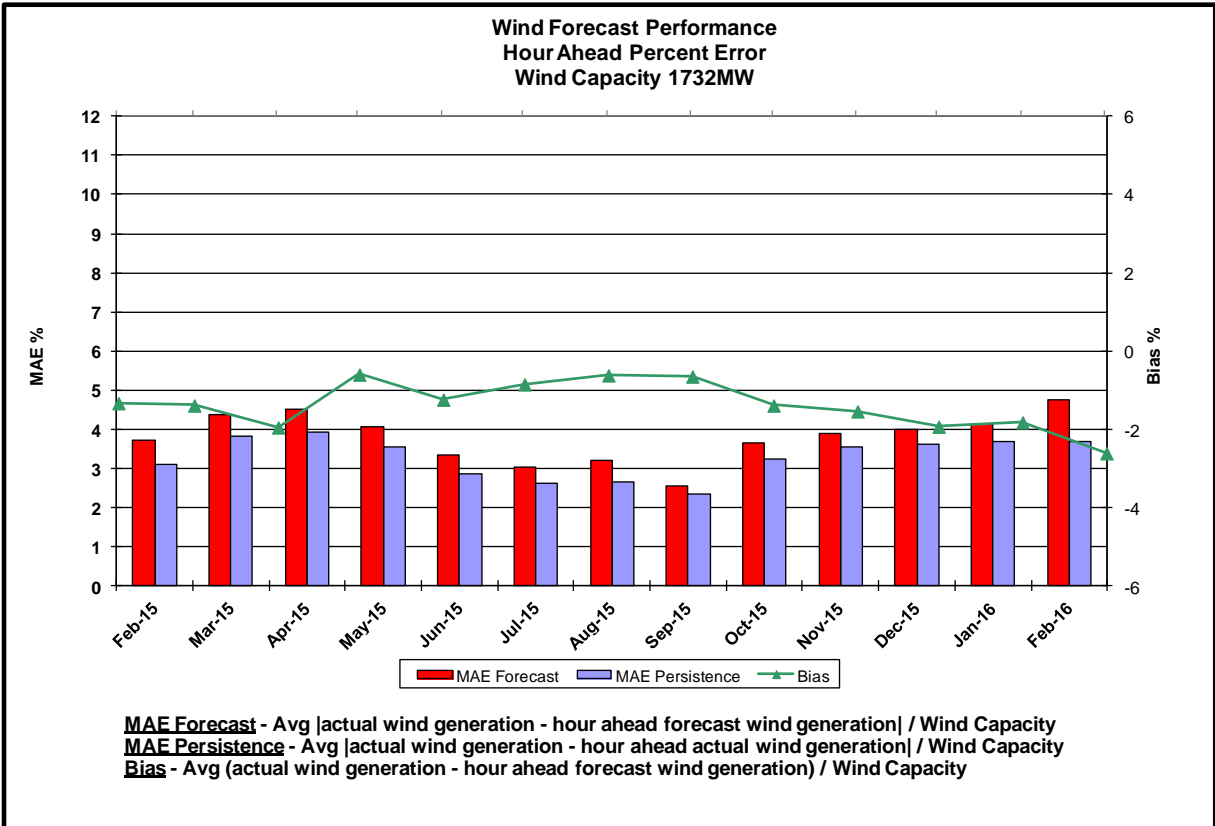
Reliability Performance Metrics

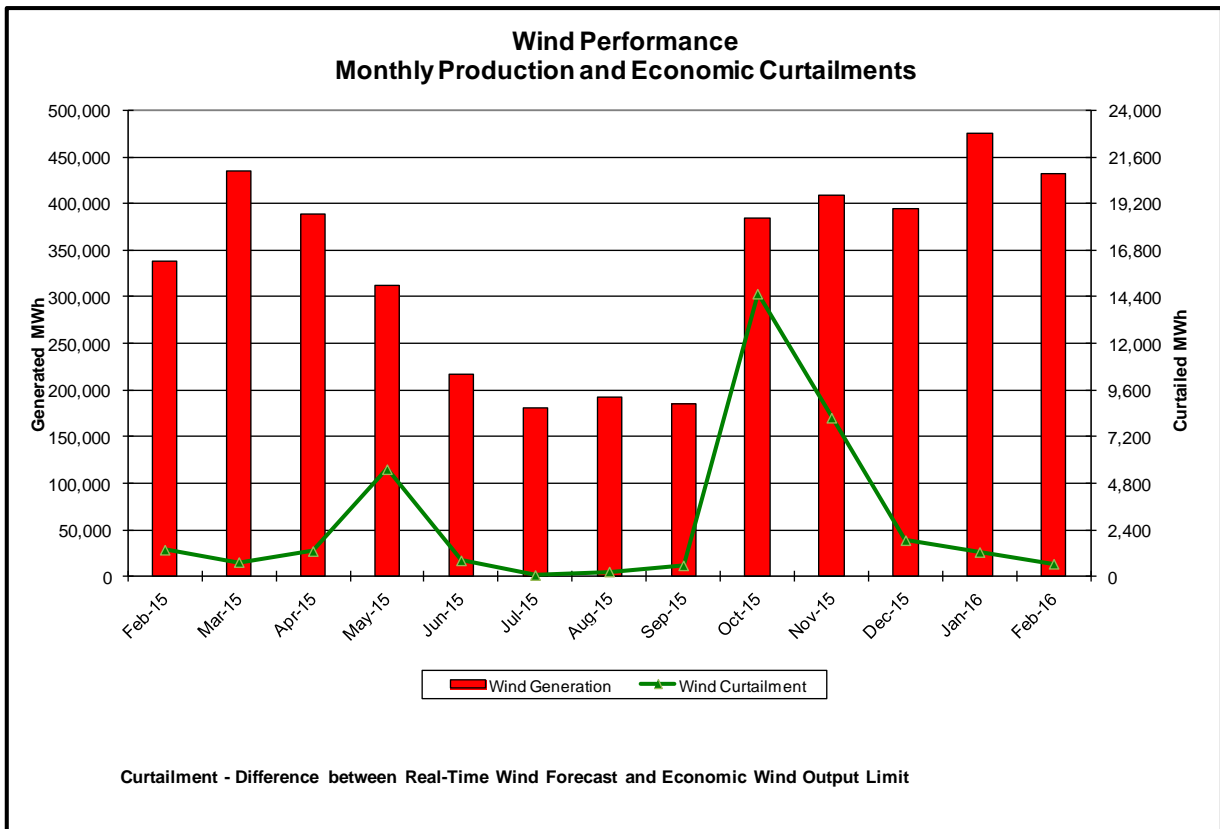
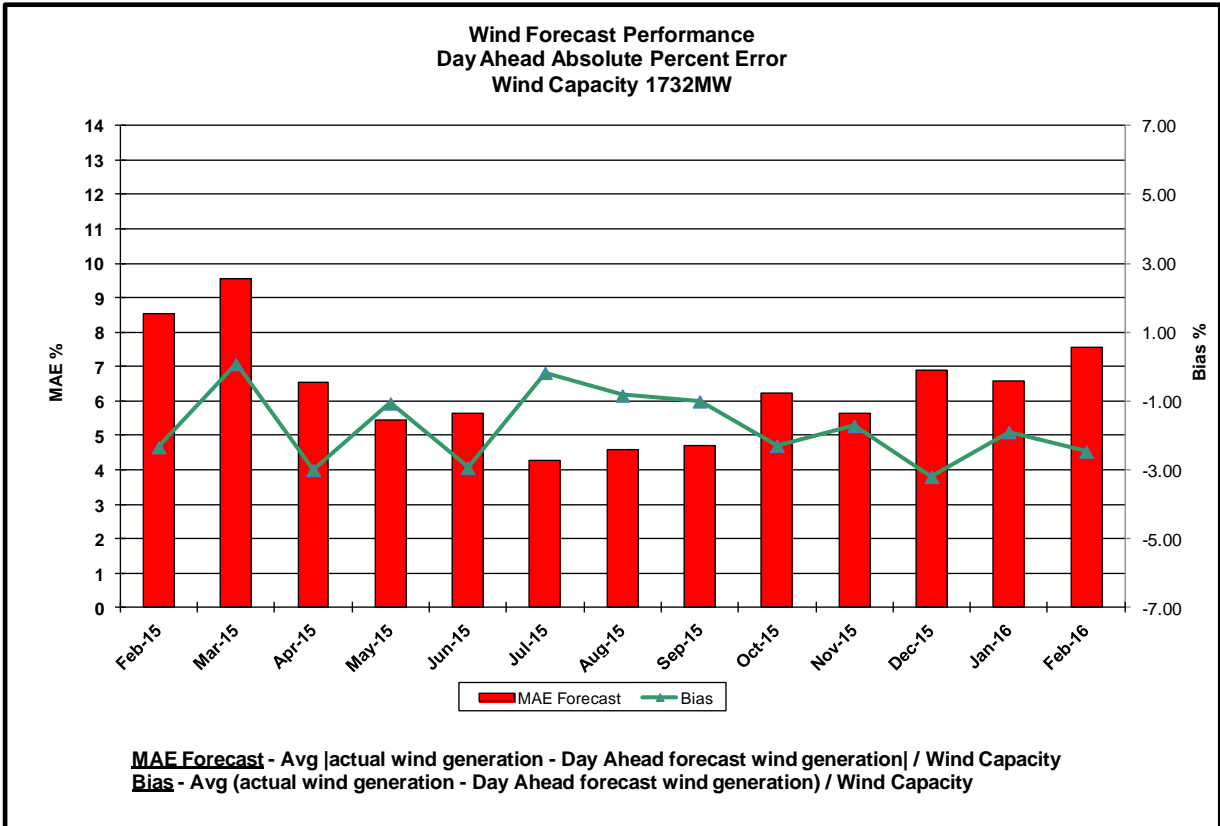


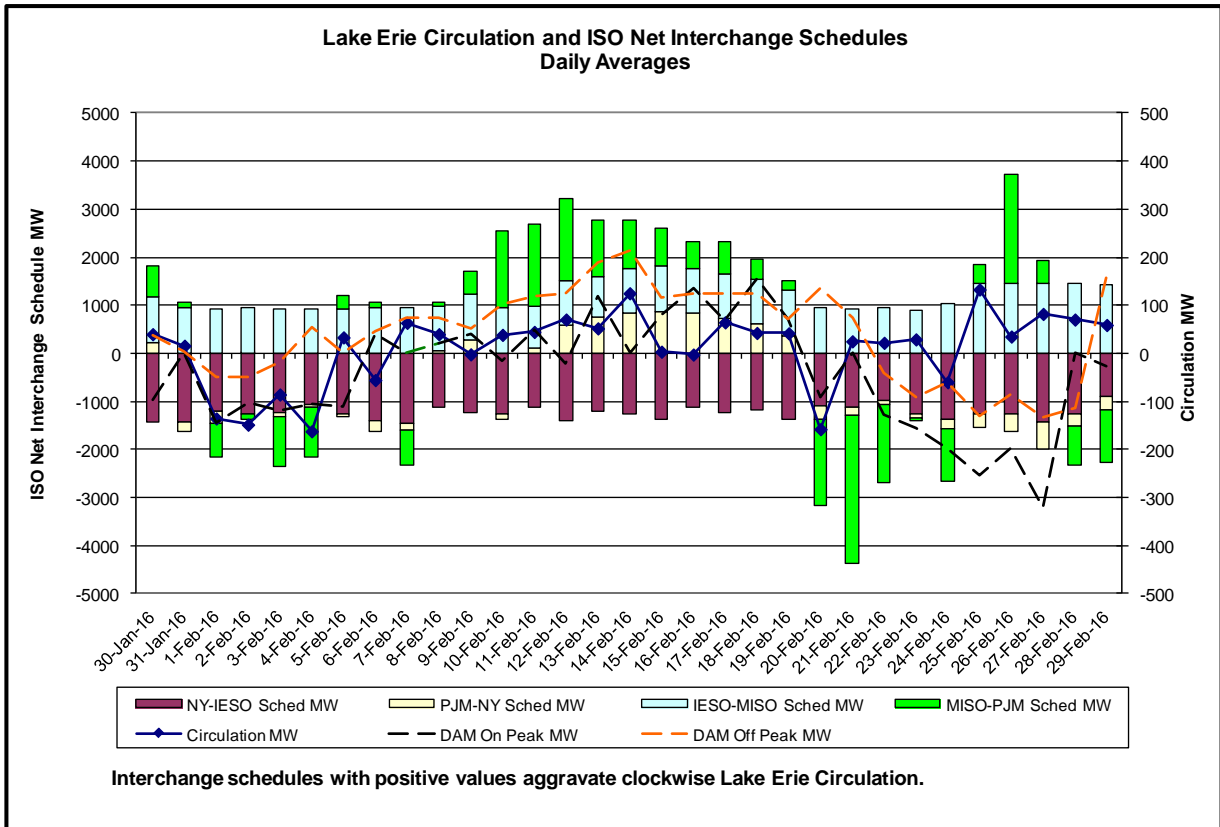
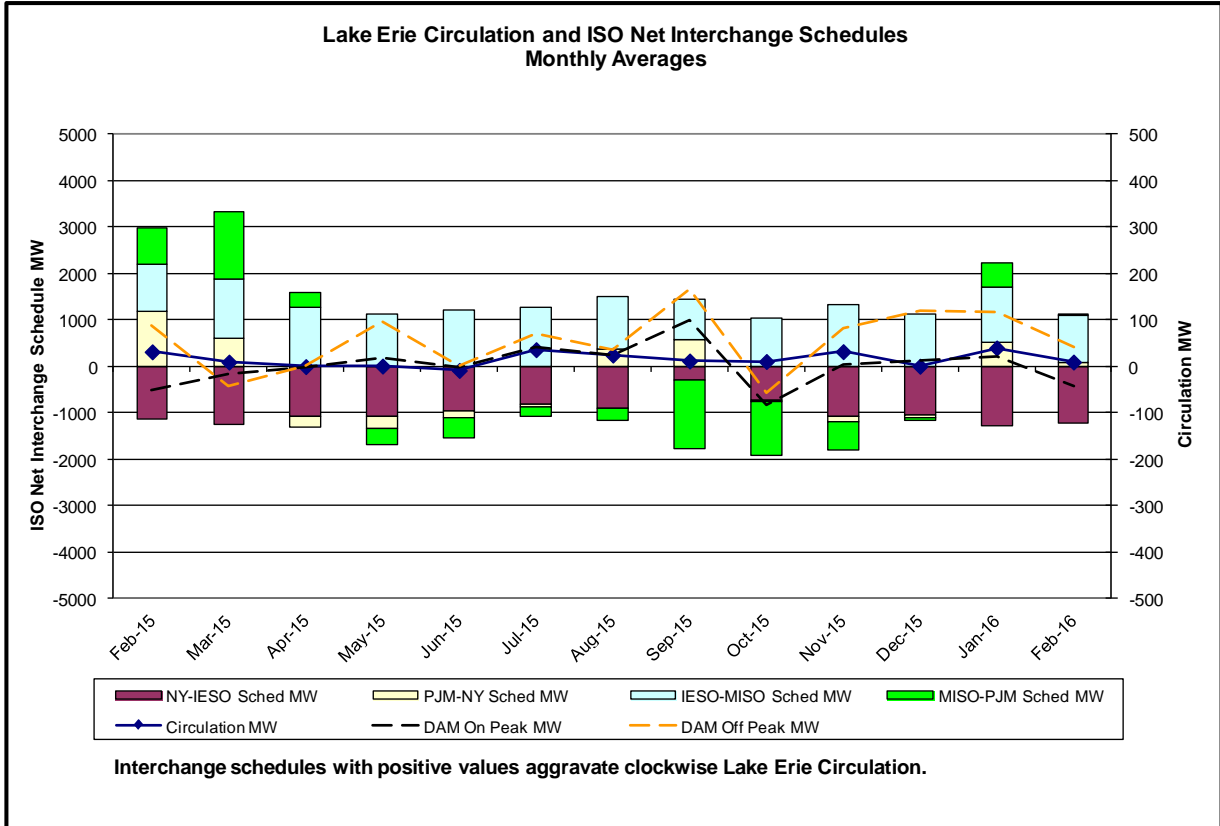




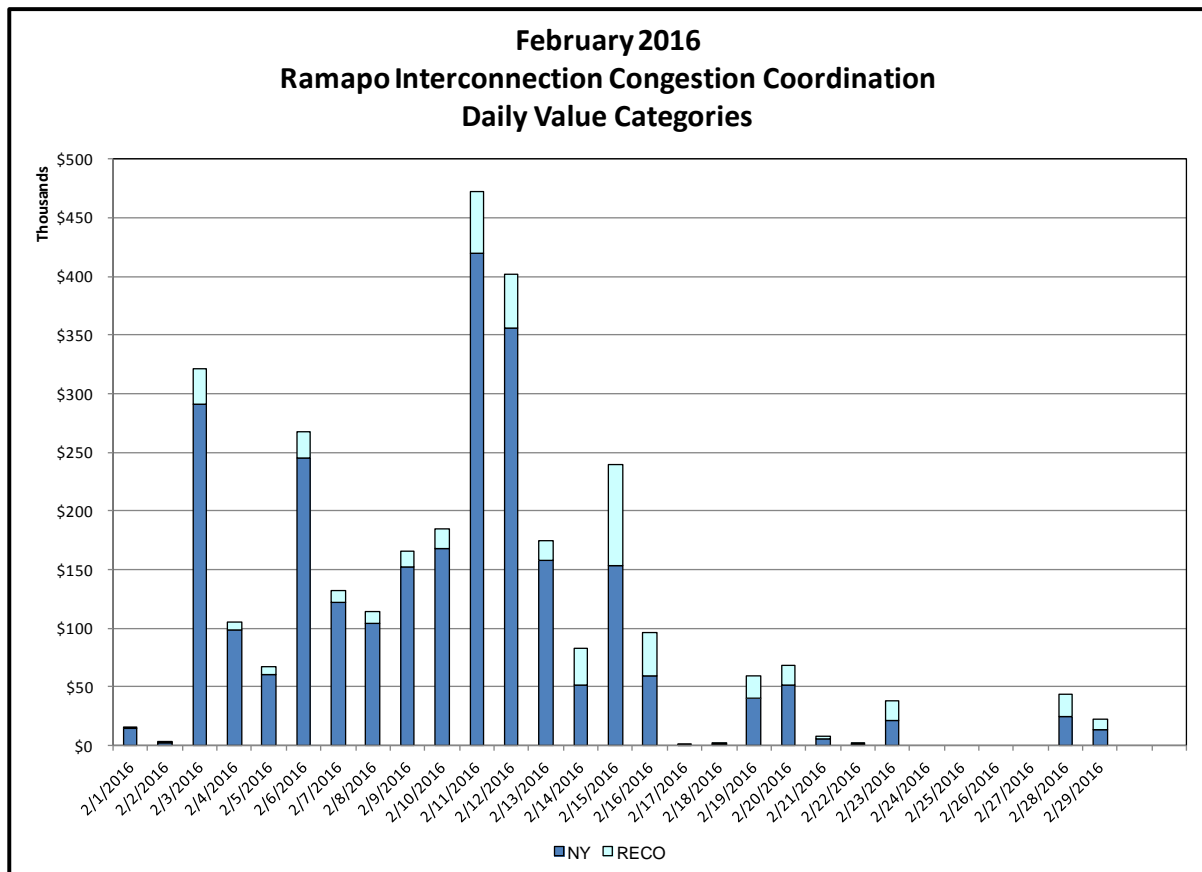
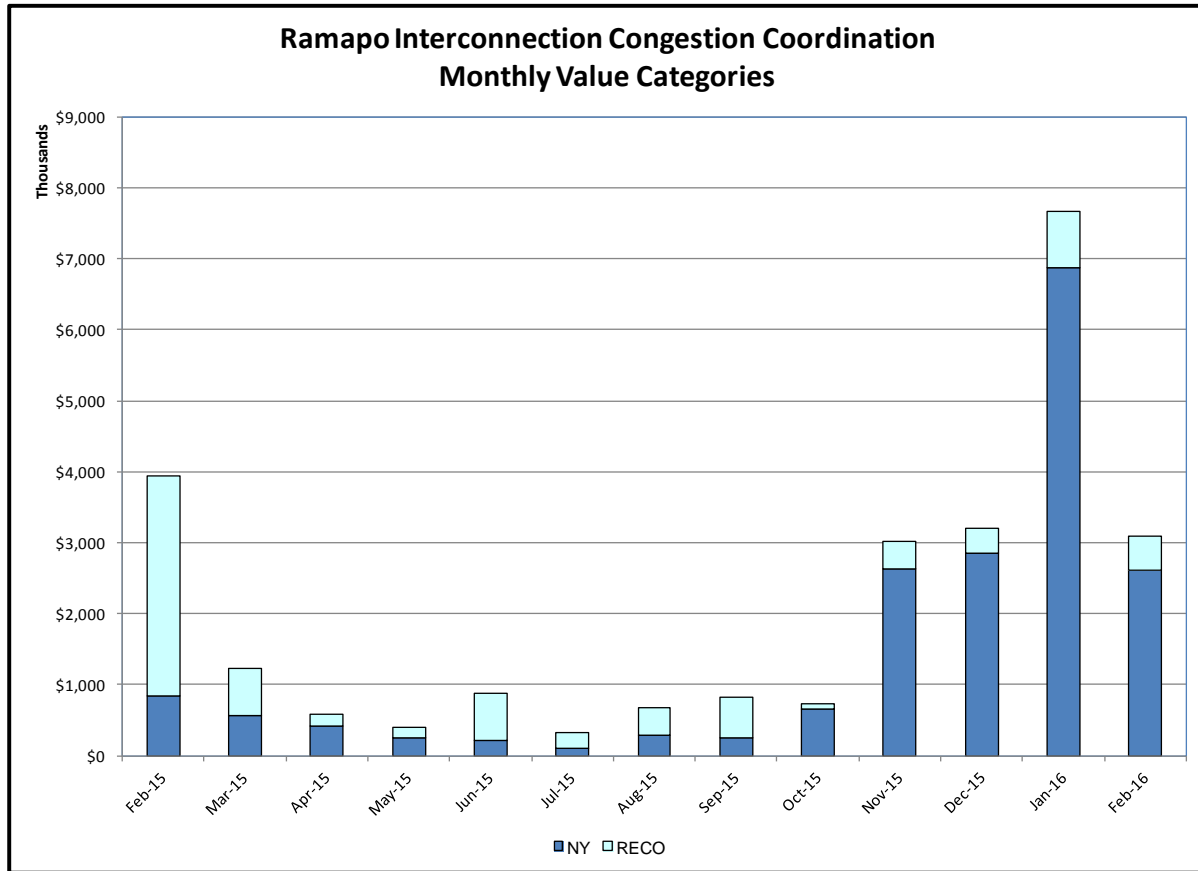






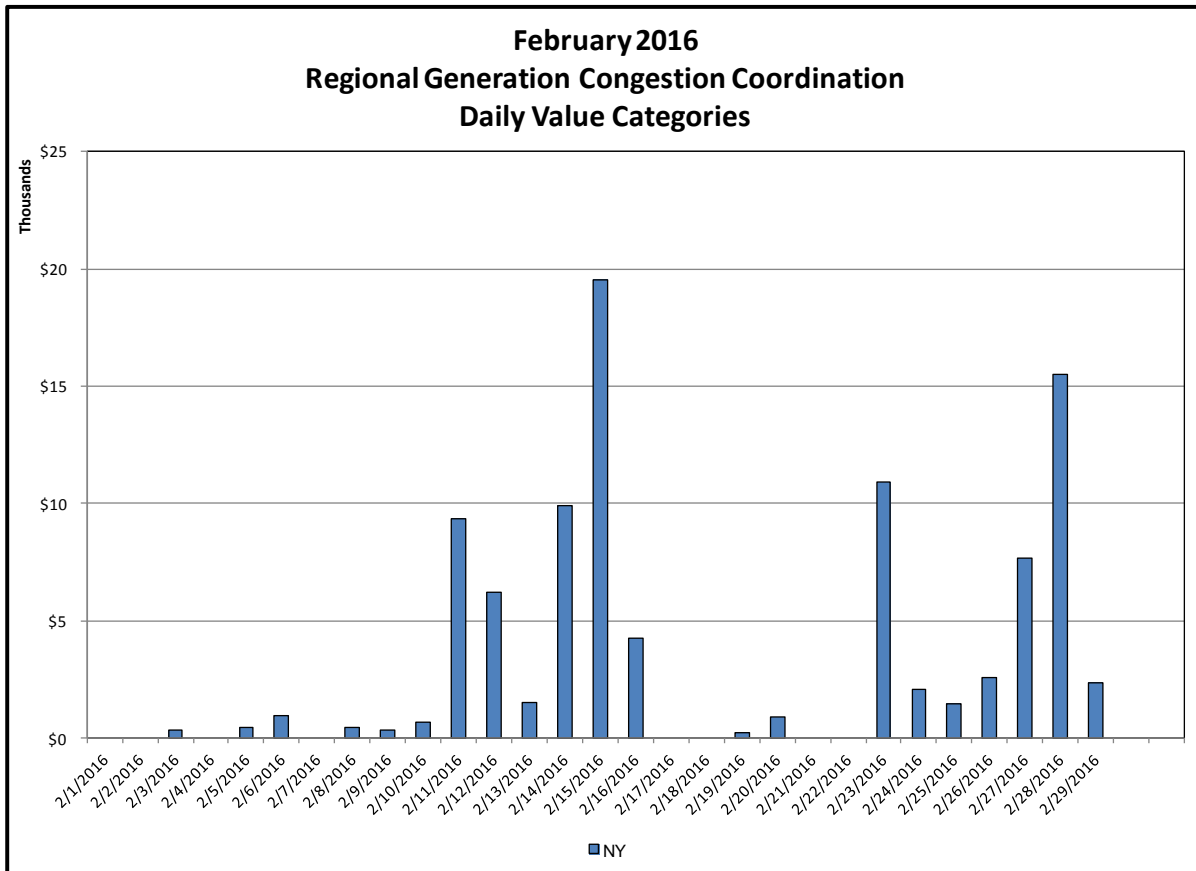
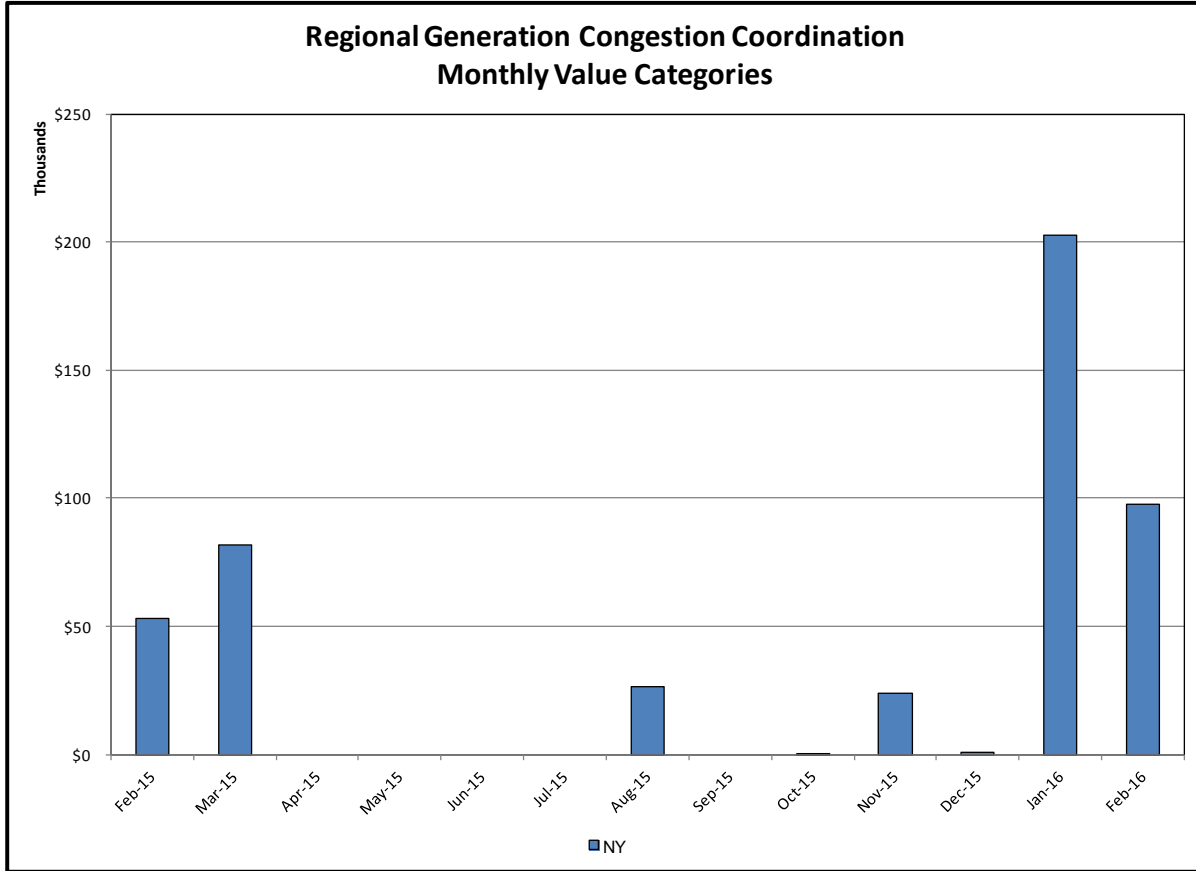


Broader Regional Market Performance Metrics



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. |



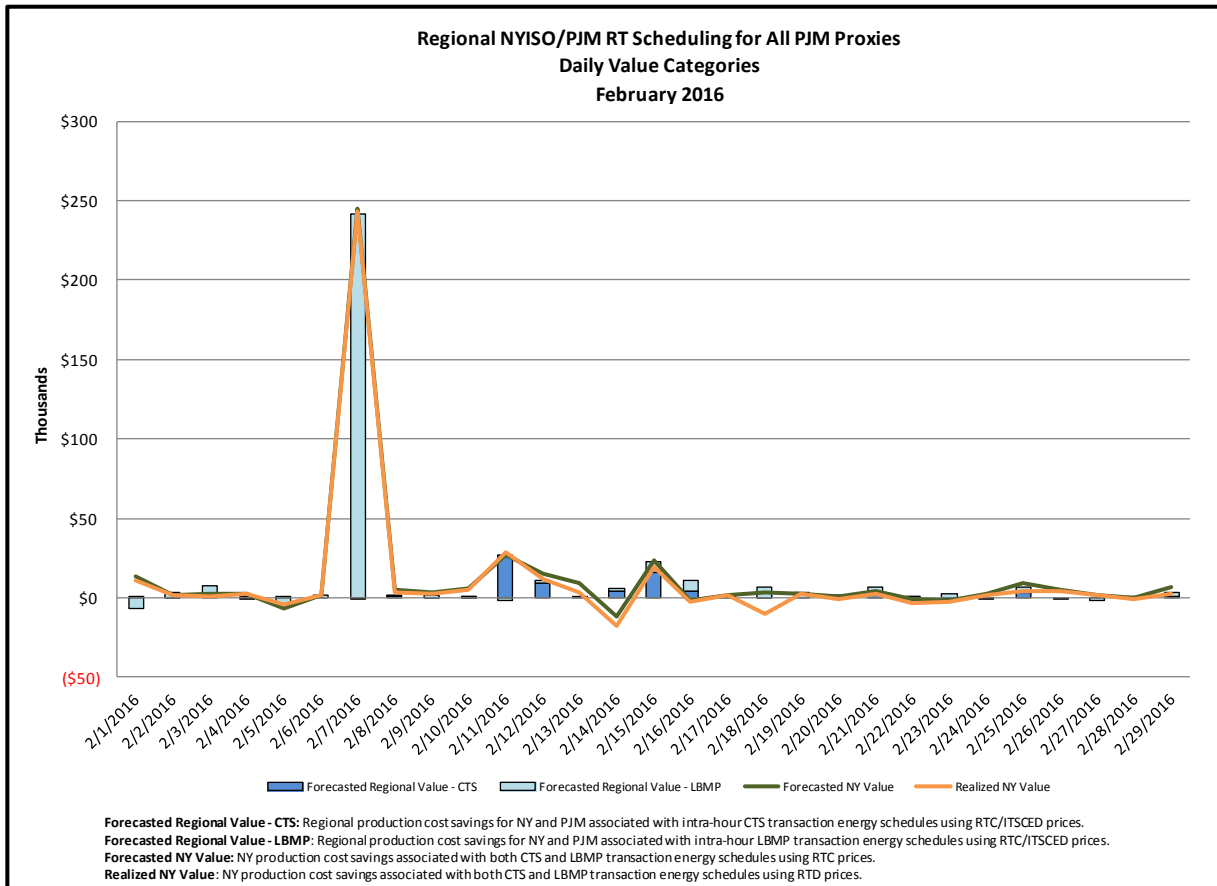
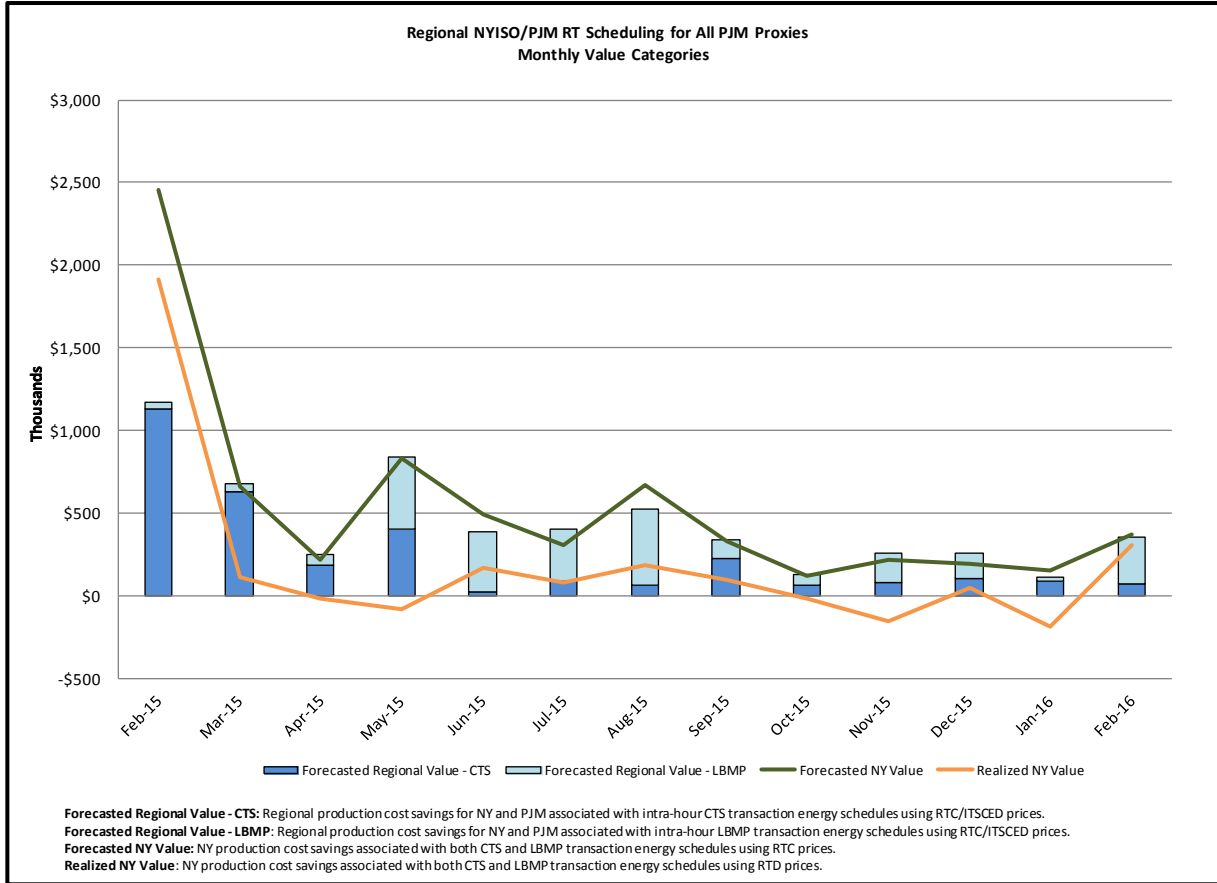
Regional Generation Congestion Coordination

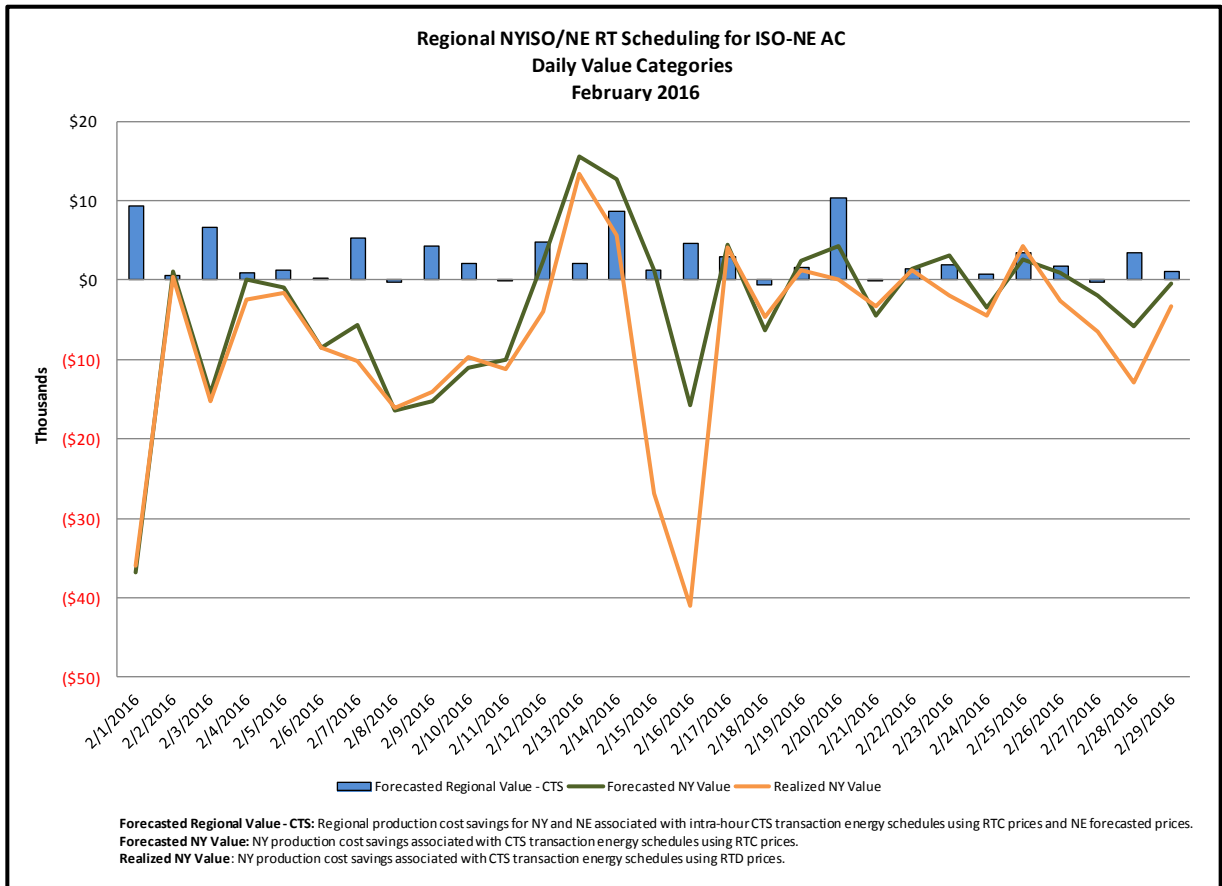
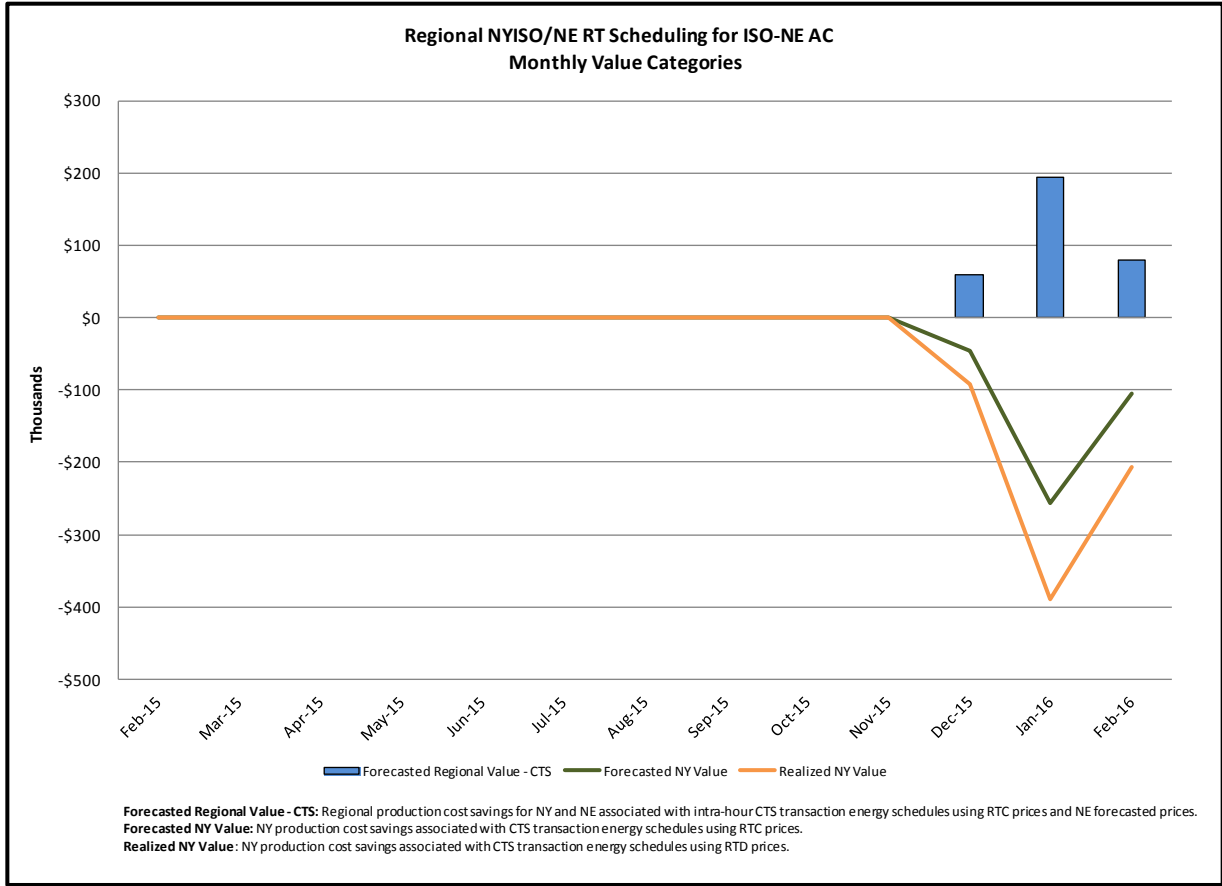
Category

NY

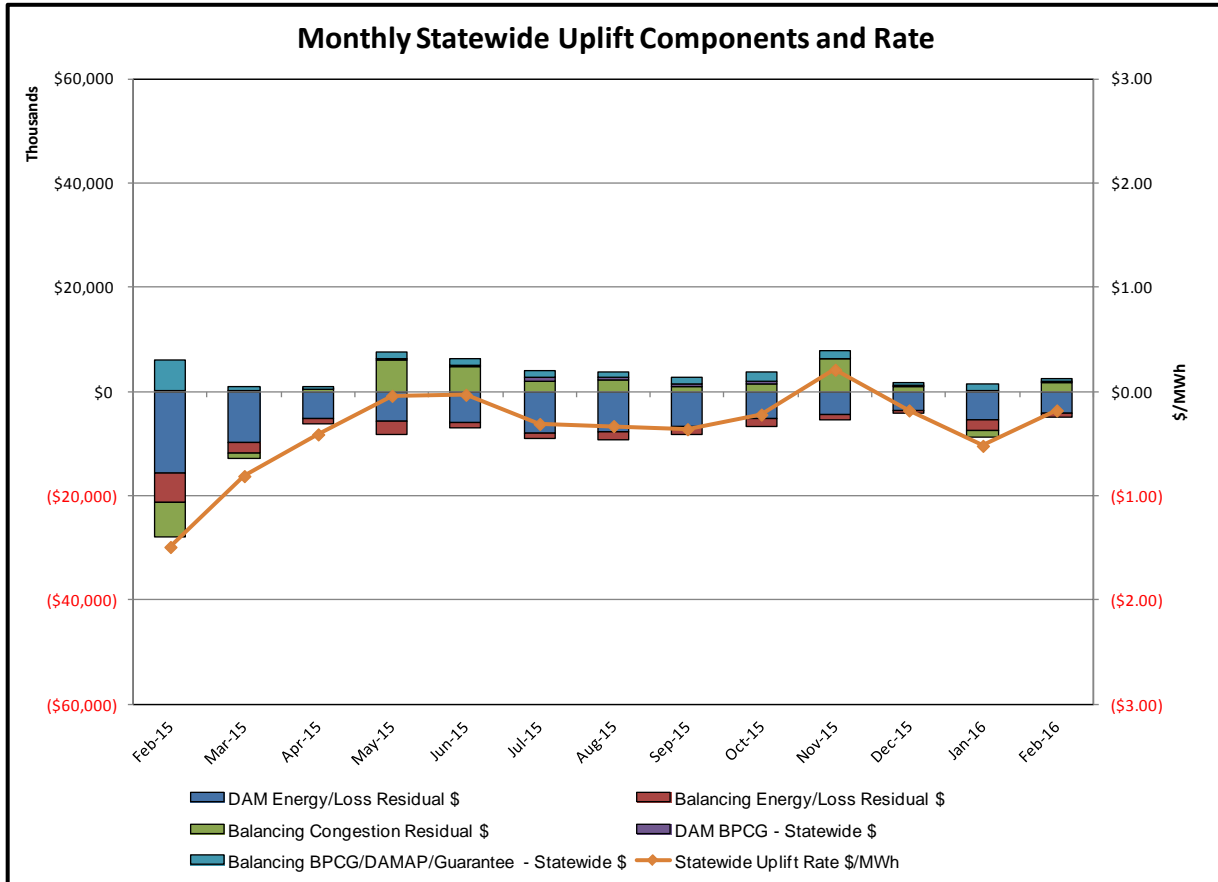
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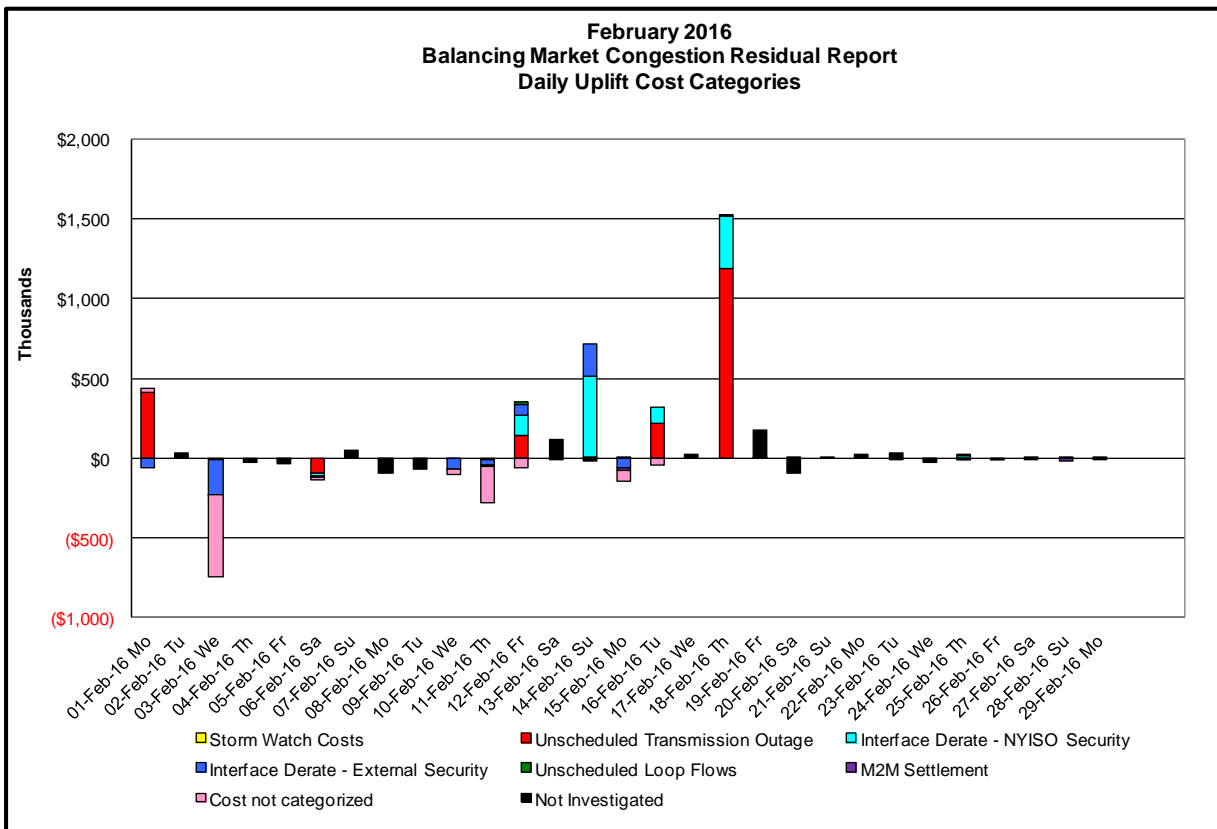
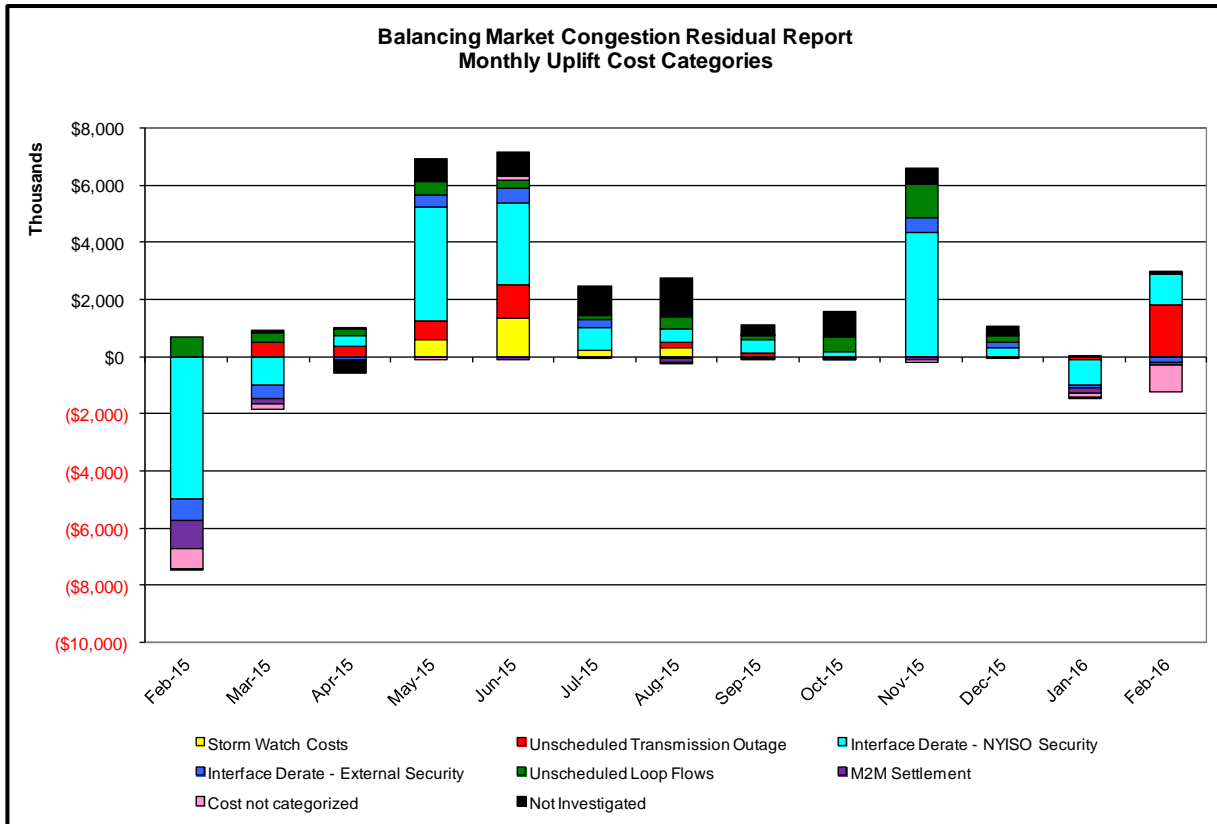
NYISO savings that result from PJM payments to NYISO when PJM's transmission use (PJM's market flow) is greater than PJM's entitlement of the NY transmission system and NYISO is incurring Western or Central NY congestion. Additionally, NYISO savings may result from the more efficient regional utilization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





Market Performance Metrics





Day's investigated in February: 1,3,6,10,11,12,14,15,16,18

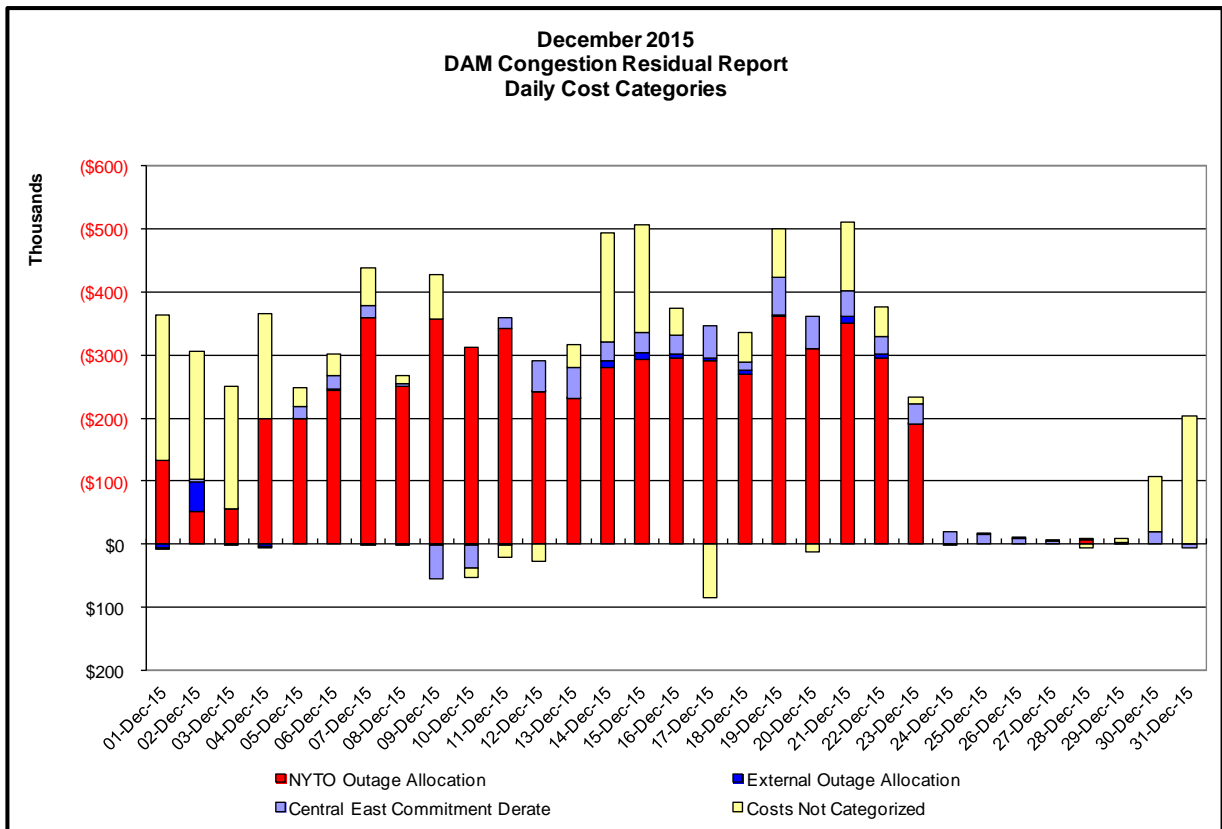
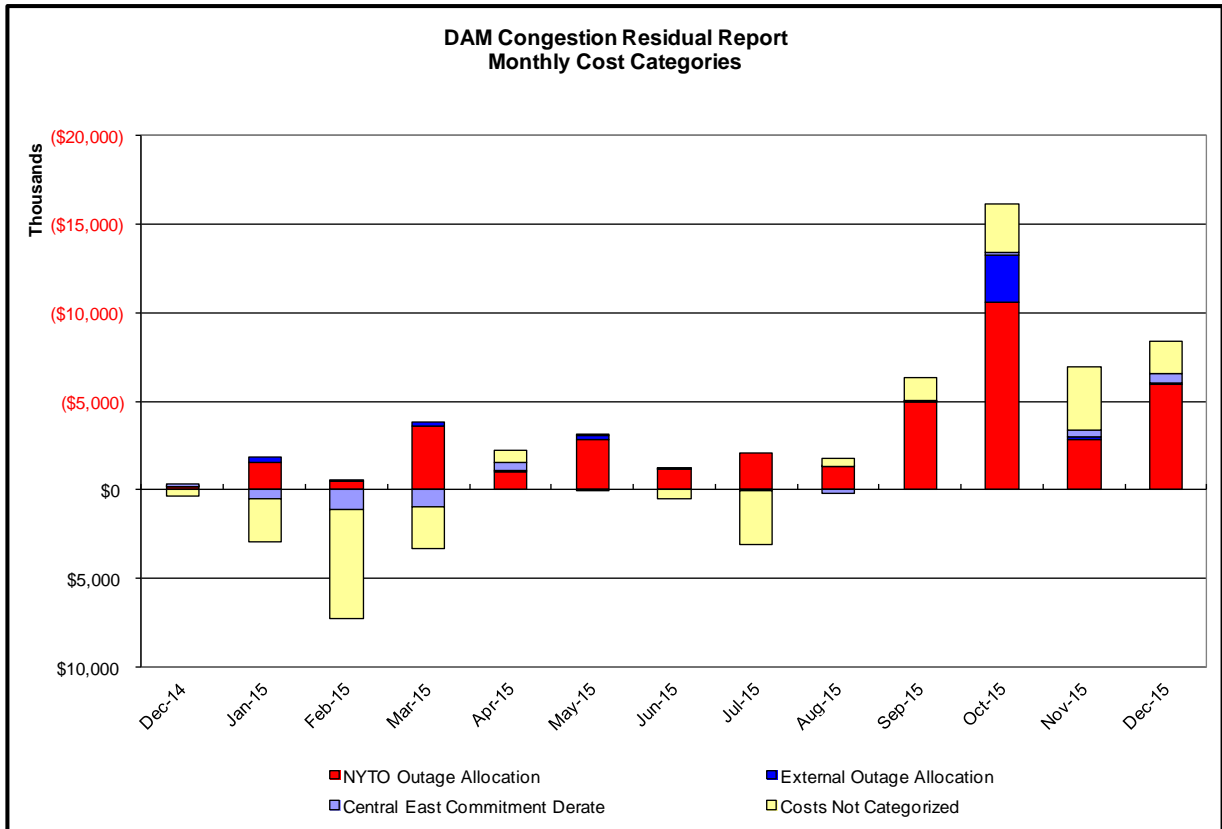
| Event | Date (yyyymmdd) | Hours | Description |
|-------|-----------------|--------------------|--|
| | 2/1/2016 | 9-12,14-21 | Early return to service East Garden City-Valley Stream 138kV (#262) |
| | 2/1/2016 | 1,4,23 | NE_AC DNI Ramp Limit |
| | 2/3/2016 | 23 | Uprate Central East |
| | 2/3/2016 | 12,15,17 | NE_AC DNI Ramp Limit |
| | 2/3/2016 | 18 | PJM_AC DNI Ramp Limit |
| | 2/6/2016 | 10-22 | Early return to service Rainey-Mott Haven 345kV (#Q11) |
| | 2/6/2016 | 7,23 | Uprate Central East |
| | 2/6/2016 | 13 | NE_AC DNI Ramp Limit |
| | 2/10/2016 | 4 | Uprate Central East |
| | 2/10/2016 | 0-4,10,11,15 | NE_AC-NY Scheduling Limit |
| | 2/11/2016 | 0,1,9 | Uprate Central East |
| | 2/11/2016 | 23 | HQ_CHAT-NY Scheduling limit |
| | 2/11/2016 | 18,19 | IESO_AC DNI Ramp Limit |
| | 2/11/2016 | 10 | NE_AC-NY Scheduling Limit |
| | 2/11/2016 | 9 | NE_AC DNI Ramp Limit |
| | 2/11/2016 | 0 | NE_NNC1385-NY Scheduling limit |
| | 2/12/2016 | 8,9,12,13,16 | Forced outage Sprainbrook-Tremont 345kV (#X28) |
| | 2/12/2016 | 6,8 | NYCA DNI Ramp Limit |
| | 2/12/2016 | 8,9,12,13,16 | Derate Central East |
| | 2/12/2016 | 0 | Uprate Central East |
| | 2/12/2016 | 12,13,16 | Derate Mott Haven-Dunwoodie 345kV (#72) for I/o Mott Haven-Dunwoodie 345kV (#71) |
| | 2/12/2016 | 10 | Uprate Mott Haven-Dunwoodie 345kV (#72) for I/o Mott Haven-Dunwoodie 345kV (#71) |
| | 2/12/2016 | 8,9 | Derate West 49th Street-SprainBrook 345kV (#M52) |
| | 2/12/2016 | 2,3,5,6,9 | HQ_CHAT-NY Scheduling limit |
| | 2/12/2016 | 0,16 | NE_AC DNI Ramp Limit |
| | 2/12/2016 | 6 | PJM_AC DNI Ramp Limit |
| | 2/12/2016 | 3,12 | Lake Erie Clockwise Circulation, DAM-RTM exceeds 125MW; Central East |
| | 2/14/2016 | 0 | Extended outage Mott Haven-Rainey 345kV (#Q11) |
| | 2/14/2016 | 9,10,19-21 | Derate Central East |
| | 2/14/2016 | 17-19 | Derate Dysinger East |
| | 2/14/2016 | 9-22 | Derate Mott Haven-Dunwoodie 345kV (#72) for I/o Mott Haven-Dunwoodie 345kV (#71) |
| | 2/14/2016 | 11-15,22 | HQ_CEDARS-NY Scheduling Limit |
| | 2/14/2016 | 0,13,14 | HQ_CHAT-NY Scheduling limit |
| | 2/15/2016 | 8,10 | NYCA DNI Ramp Limit |
| | 2/15/2016 | 12-14 | Derate Central East |
| | 2/15/2016 | 4 | Uprate Central East |
| | 2/15/2016 | 12-14 | Derate West 49th Street-SprainBrook 345kV (#M52) |
| | 2/15/2016 | 0,1 | HQ_CEDARS-NY Scheduling Limit |
| | 2/15/2016 | 0-2,12-14 | HQ_CHAT-NY Scheduling limit |
| | 2/15/2016 | 8 | HQ_CHAT DNI Ramp Limit |
| | 2/15/2016 | 4,9,10,16,18,20,22 | NE_AC DNI Ramp Limit |
| | 2/16/2016 | 11,12,19-21 | Early return to service East Garden City-Valley Stream 138kV (#262) |
| | 2/16/2016 | 12,19-21 | Derate Central East |
| | 2/18/2016 | 8-22 | Early return to service East Garden City-Valley Stream 138kV (#262) |
| | 2/18/2016 | 17,18,20 | Derate Central East |

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 | |

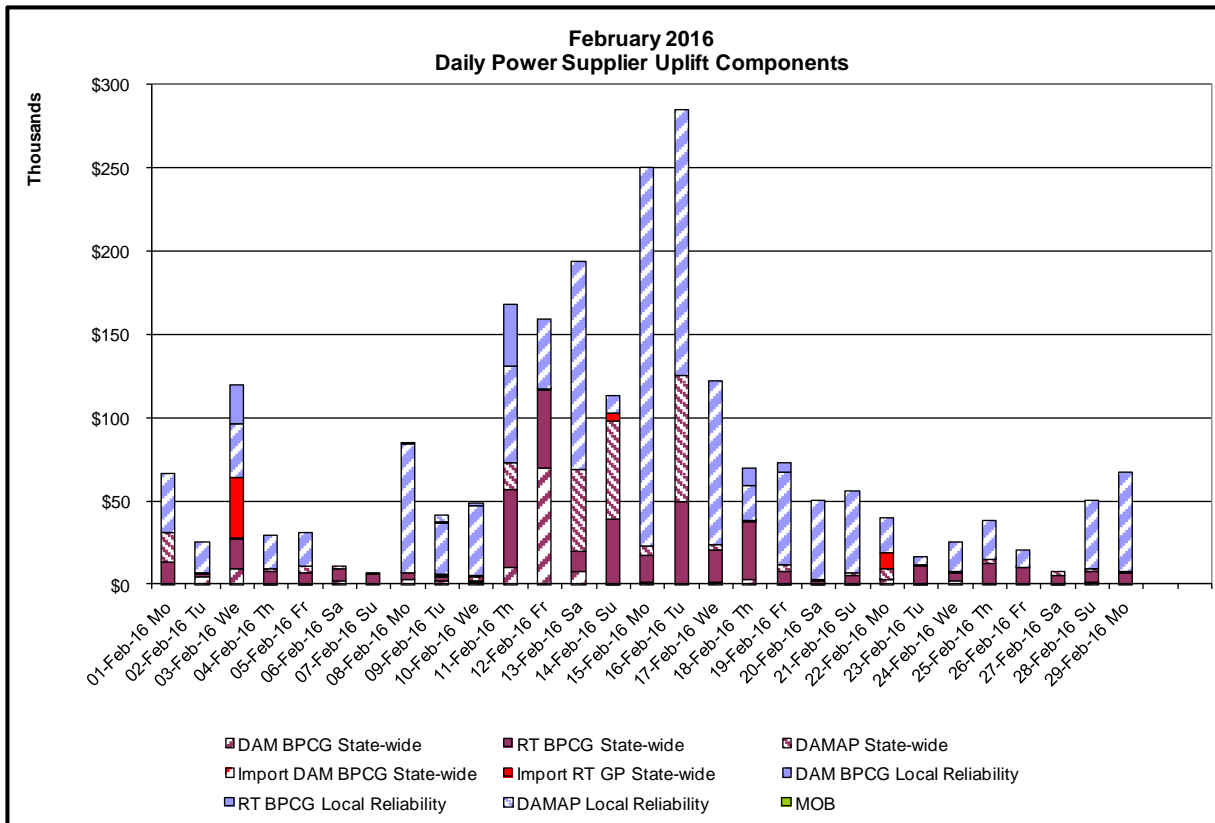
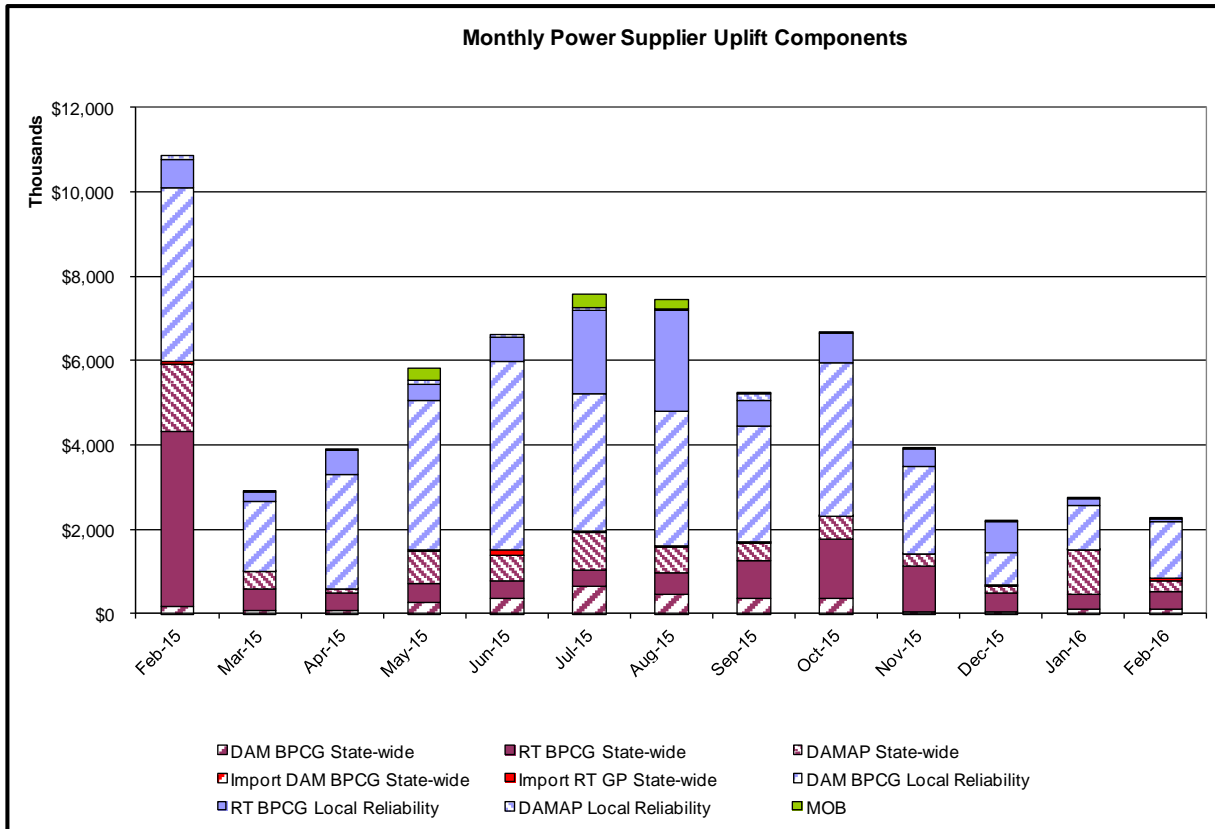
Monthly Balancing Market Congestion Report Assumptions/Notes

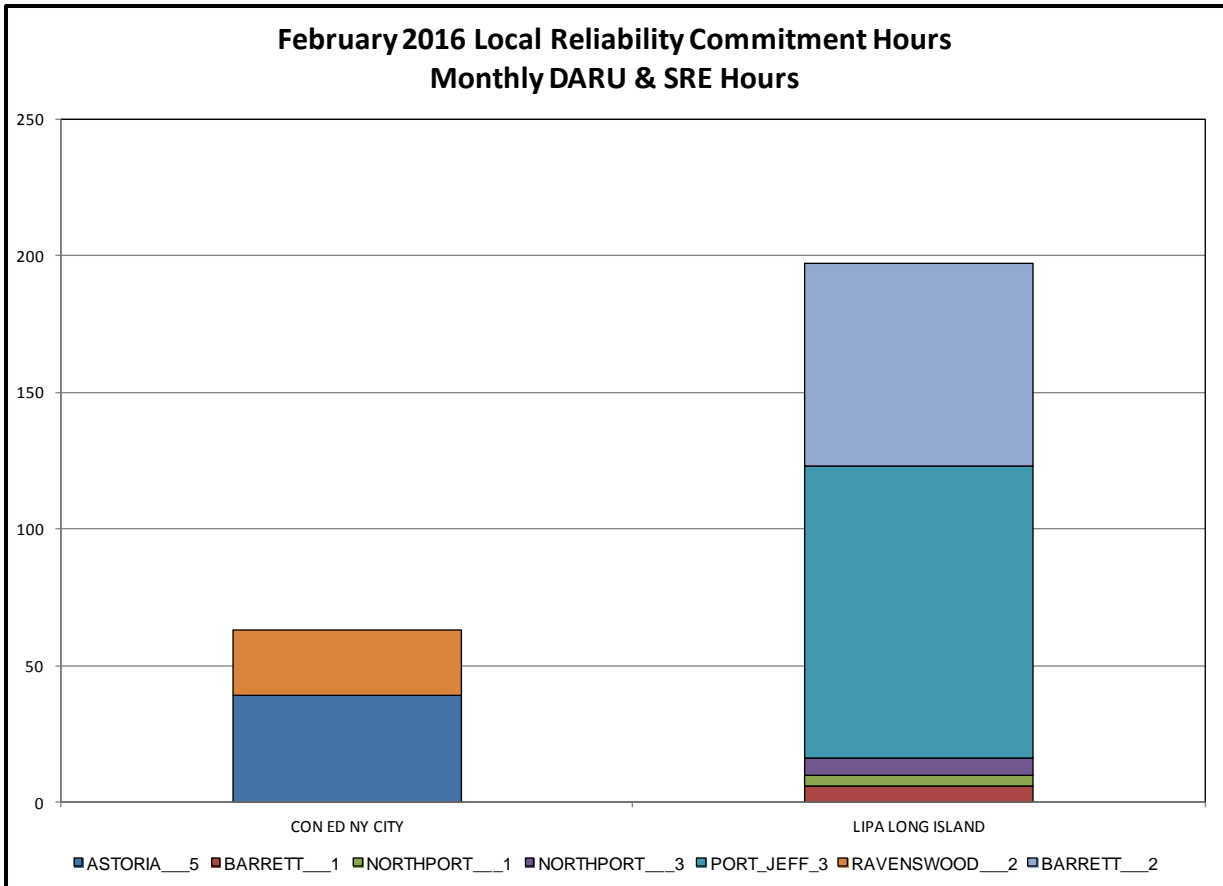
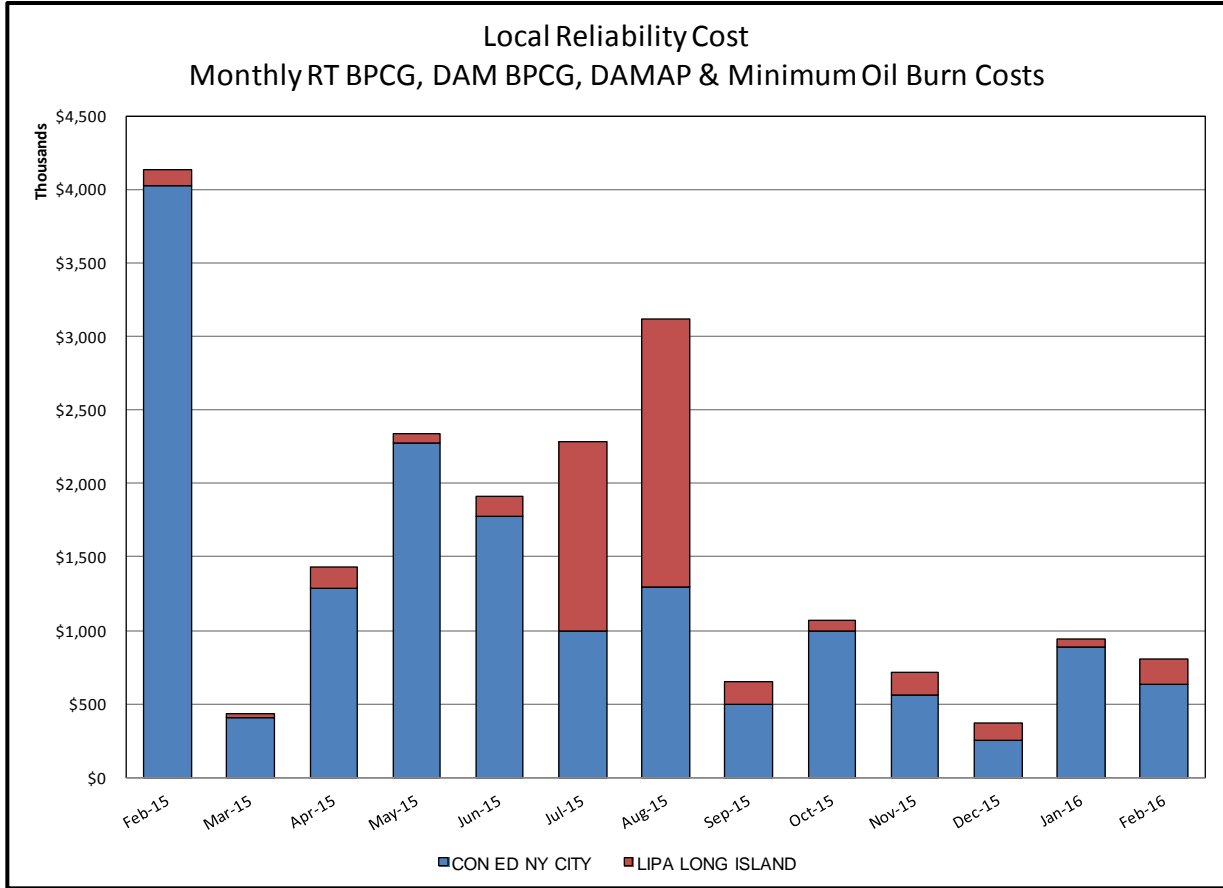
- 1) Storm Watch Costs are identified as daily total uplift costs
- 2) Days with a value of BMCR less M2M Settlement of \$100K/HR, shortfall of \$200K/Day or more, or surplus of \$100K/Day or more are investigated.
- 3) Uplift costs associated with multiple event types are apportioned equally by hour

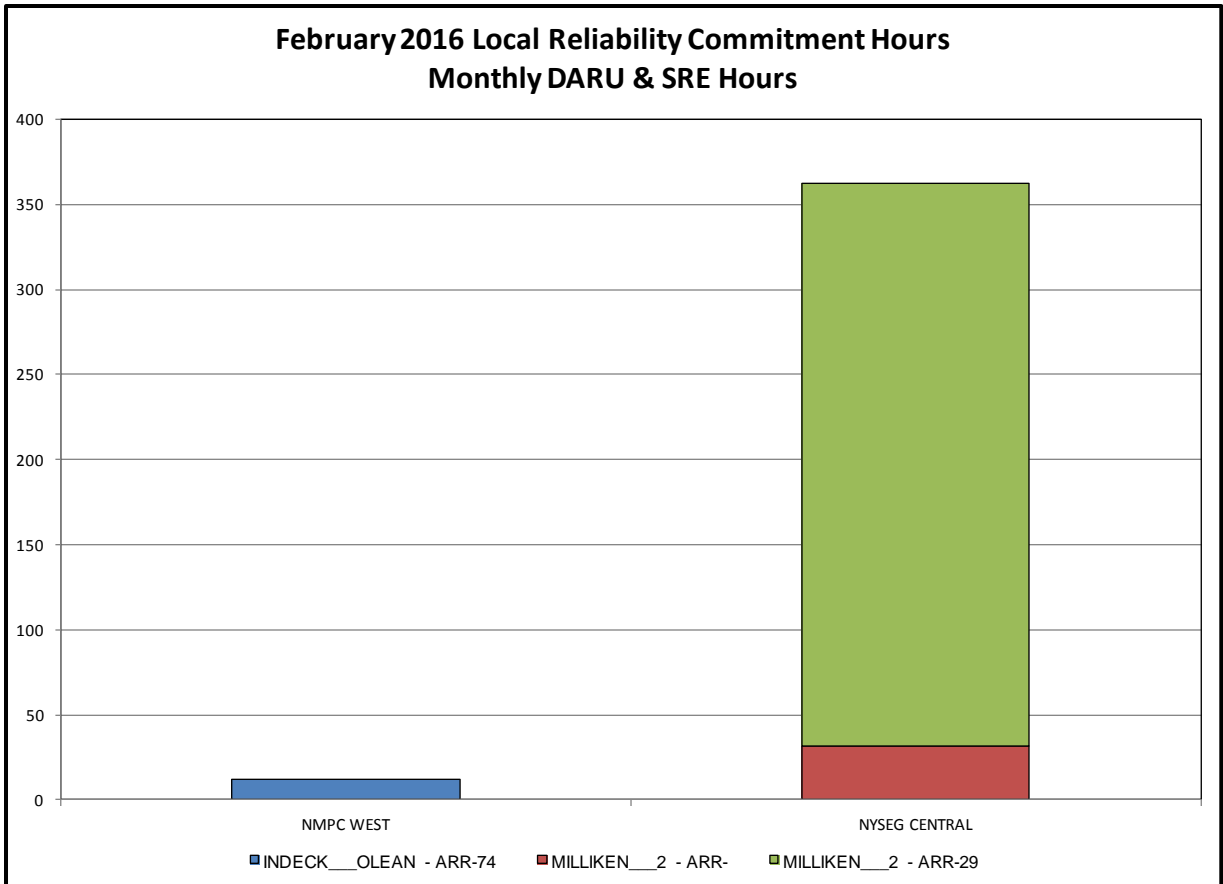
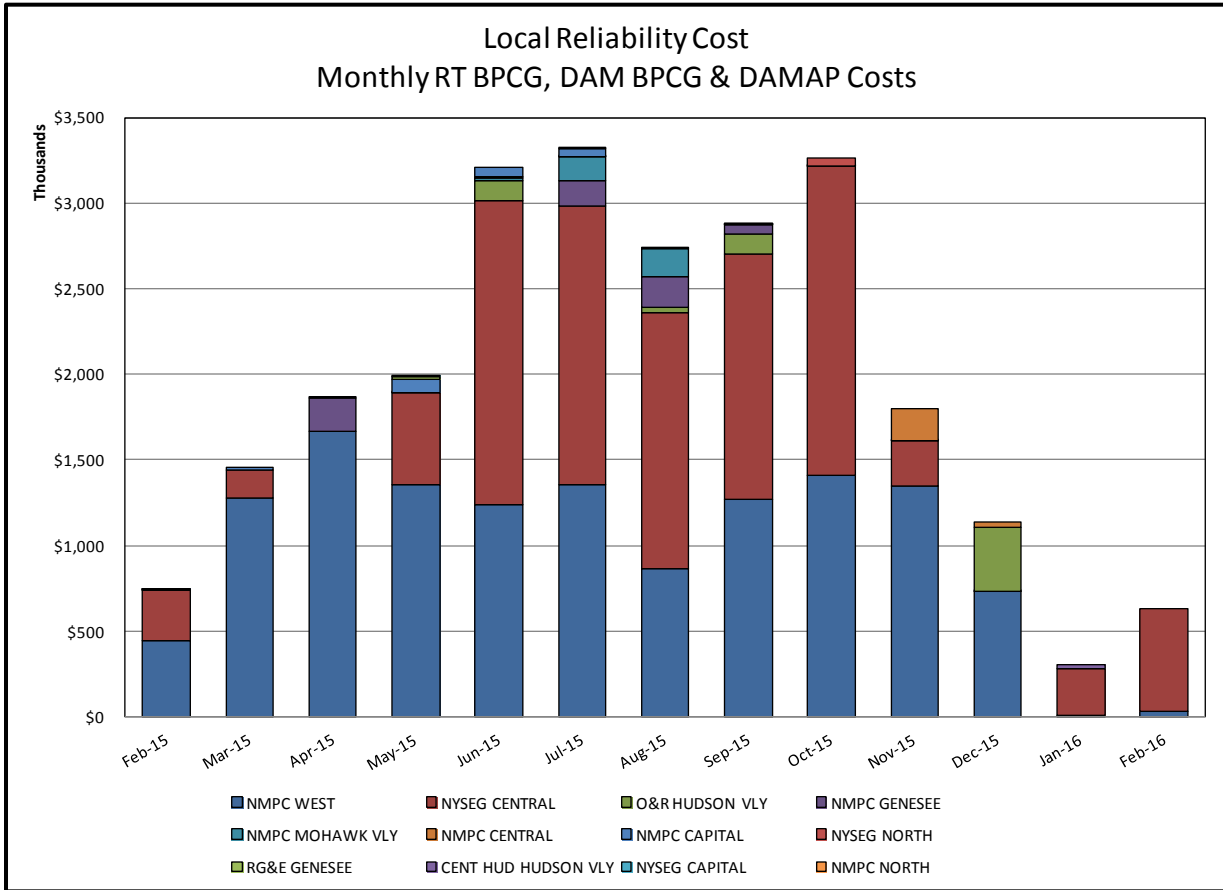


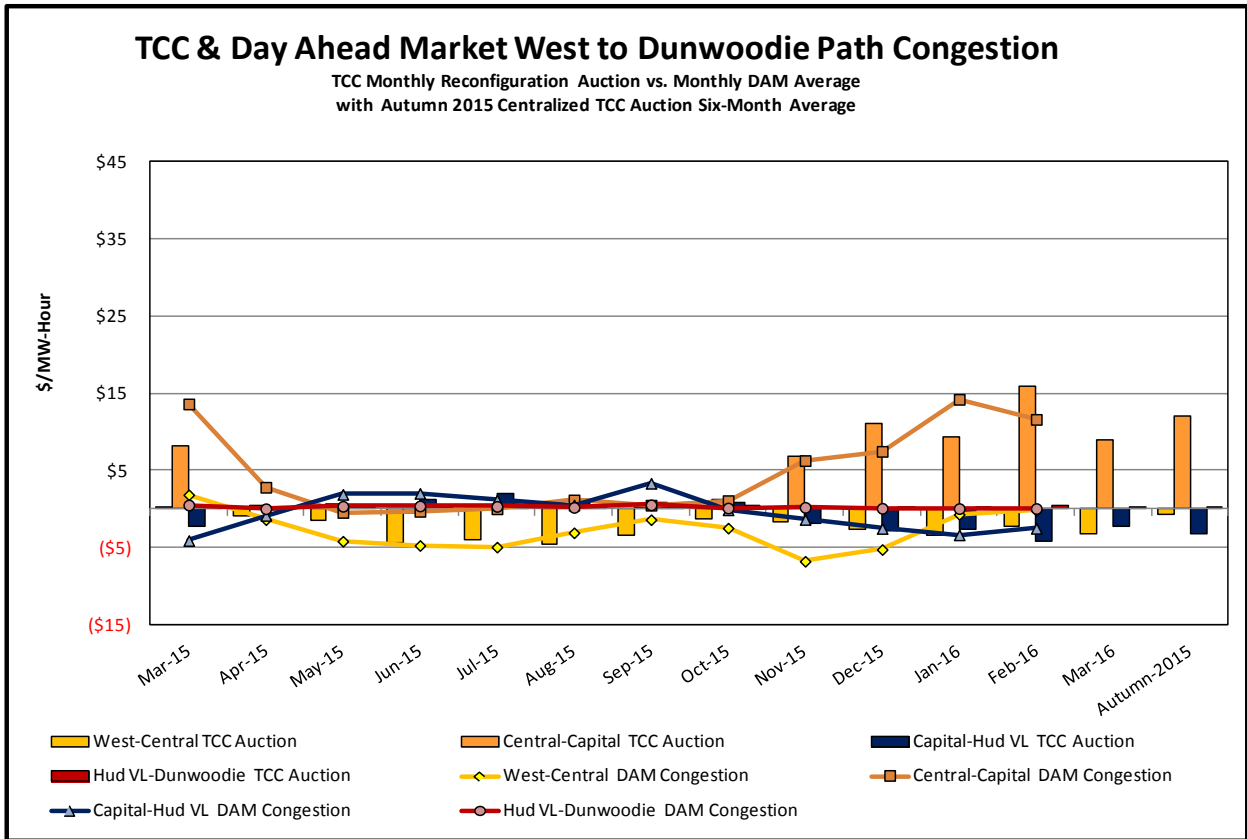
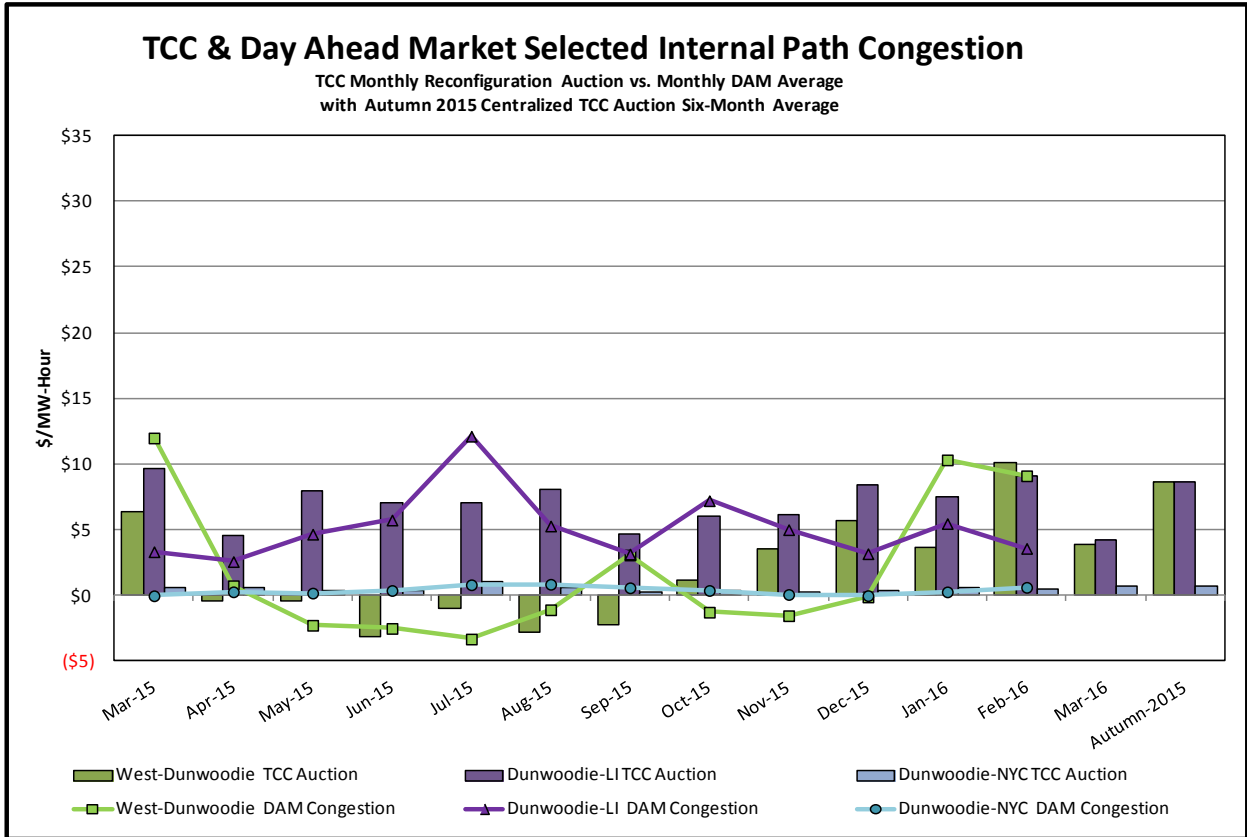
Day-Ahead Market Congestion Residual Categories

| <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. | |



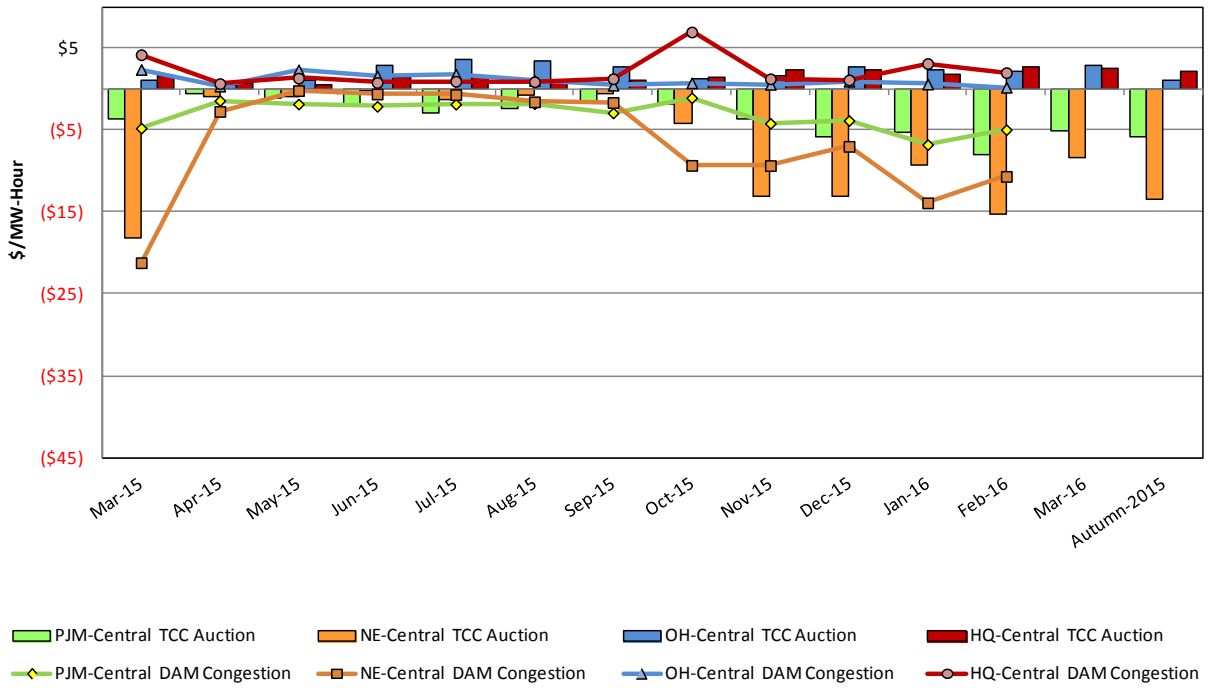


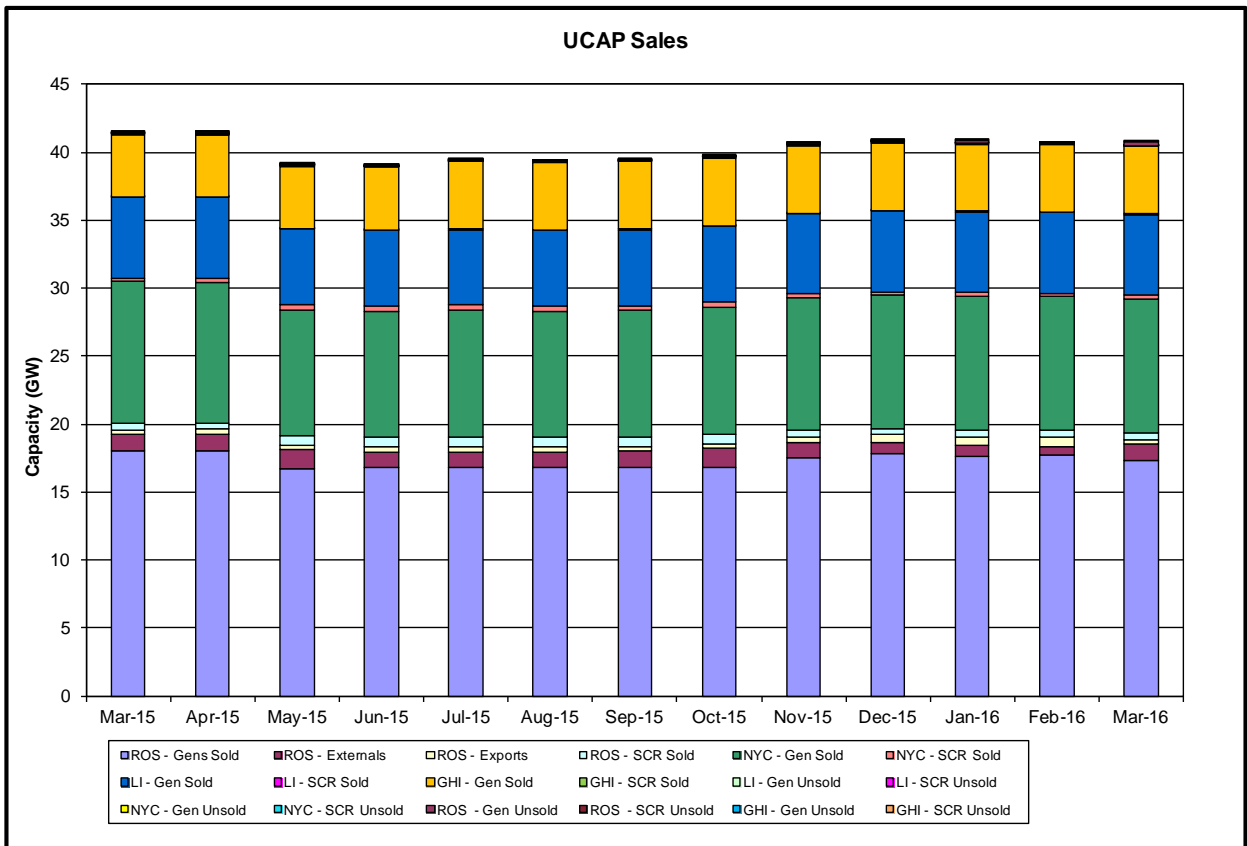
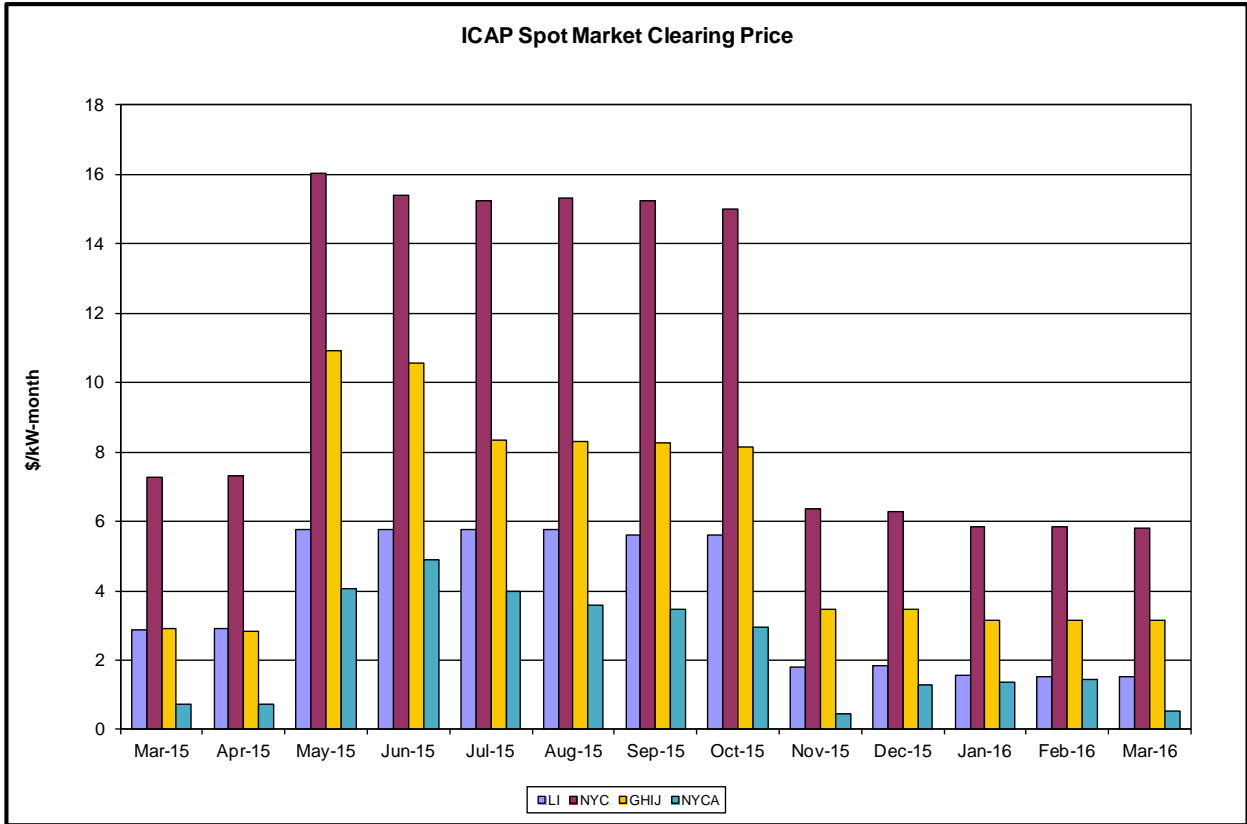




TCC & Day Ahead Market Selected External Path Congestion

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

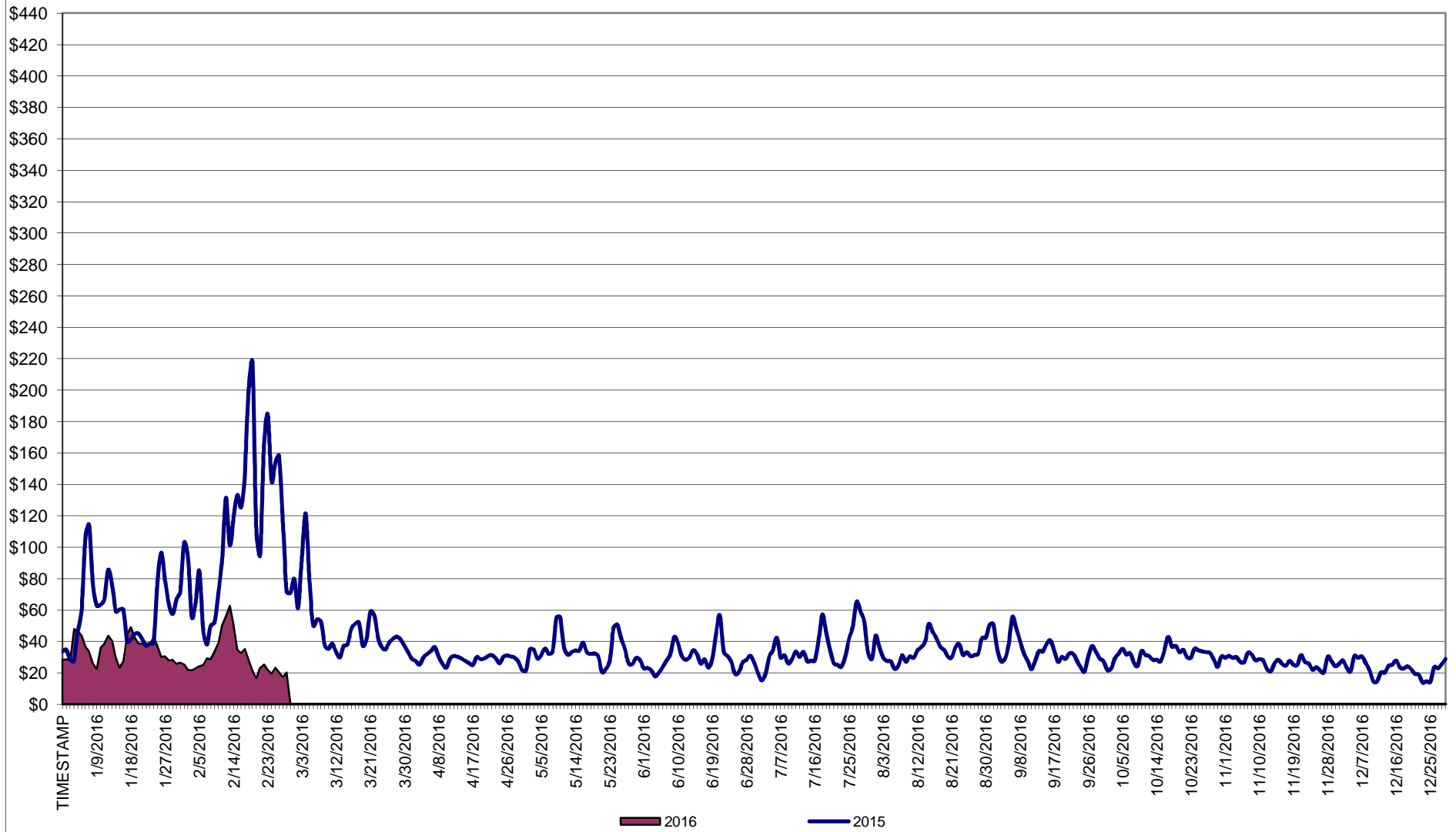




Market Performance Highlights for February 2016

- **LBMP for February is \$28.71/MWh; lower than \$34.29/MWh in January 2016 and \$114.37/MWh in February 2015.**
 - Day Ahead and Real Time Load Weighted LBMPs are lower compared to January.
- **February 2016 average year-to-date monthly cost of \$34.02/MWh is a 61% decrease from \$87.74/MWh in February 2015.**
- **Average daily sendout is 436 GWh/day in February; lower than 439 GWh/day in January 2016 and 481 GWh/day in February 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 \$3.01/MMBtu, down from \$3.77/MMBtu in January.
 - Natural gas prices are down 80% year-over-year
 - Jet Kerosene Gulf Coast was \$7.22/MMBtu, up from \$6.95/MMBtu in January.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$7.41/MMBtu, up from \$7.05/MMBtu in January.
 - Distillate prices are down 46% year-over-year
- **Uplift per MWh is higher compared to the previous month.**
 - Uplift (not including NYISO cost of operations) is (\$0.07)/MWh; higher than (\$0.43)/MWh in January.
 - The Local Reliability Share is \$0.11/MWh, higher than \$0.09 in January.
 - The Statewide Share is (\$0.18)/MWh, higher than (\$0.52)/MWh in January.
 - TSA \$ per NYC MWh is \$0.00/MWh.
- Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are higher than January.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)*
 2015 Annual Average \$44.09MWh
 February 2015 YTD Average \$87.74/MWh
 February 2016 YTD Average \$34.02/MWh



* Excludes ICAP payments.

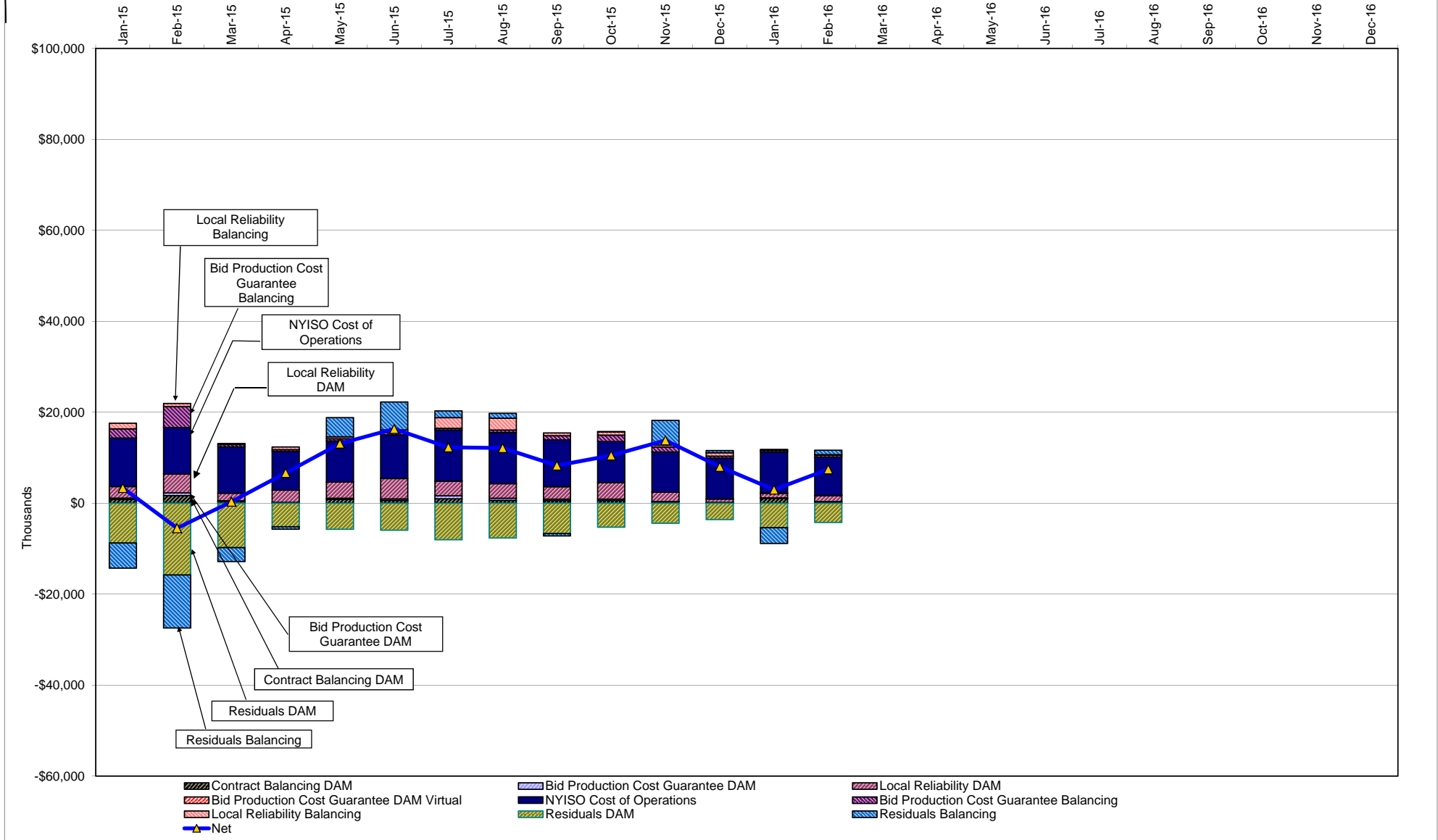
NYISO Average Cost/MWh (Energy and Ancillary Services) *
from the LBMP Customer point of view

| 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 | | | | | | | | | | |
| NTAC | 0.59 | 0.78 | | | | | | | | | | |
| Reserve | 0.77 | 0.73 | | | | | | | | | | |
| Regulation | 0.12 | 0.12 | | | | | | | | | | |
| NYISO Cost of Operations | 0.64 | 0.65 | | | | | | | | | | |
| FERC Fee Recovery | 0.09 | 0.10 | | | | | | | | | | |
| Uplift | (0.43) | (0.07) | | | | | | | | | | |
| Uplift: Local Reliability Share | 0.09 | 0.11 | | | | | | | | | | |
| Uplift: Statewide Share | (0.52) | (0.18) | | | | | | | | | | |
| Voltage Support and Black Start | 0.35 | 0.36 | | | | | | | | | | |
| Avg Monthly Cost | 36.42 | 31.37 | | | | | | | | | | |
| Avg YTD Cost | 36.42 | 34.02 | | | | | | | | | | |
| TSA \$ per NYC MWh | 0.00 | 0.00 | | | | | | | | | | |
| 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 | 30.03 | 24.80 | 20.90 |
| NTAC | 0.32 | 0.35 | 0.41 | 0.64 | 0.56 | 0.80 | 0.54 | 0.60 | 0.63 | 0.54 | 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 | 0.70 | 0.70 | 0.69 |
| Uplift | (0.48) | (1.08) | (0.68) | (0.15) | 0.26 | 0.33 | 0.04 | 0.03 | (0.15) | 0.11 | 0.40 | (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 | 0.19 | 0.12 |
| Uplift: Statewide Share | (0.73) | (1.41) | (0.81) | (0.42) | (0.05) | (0.04) | (0.30) | (0.33) | (0.37) | (0.22) | 0.21 | (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 | 32.17 | 27.58 | 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 | 45.65 | 44.09 |
| 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: 3/7/2016 8:01 AM

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

NYISO Dollar Flows - Uplift- OATT Schedule 1 components - Data through February 29, 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 | <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 MWh | 14,760,915 | 13,614,754 | | | | | | | | | | |
| DAM LSE Internal LBMP Energy Sales | 54% | 55% | | | | | | | | | | |
| DAM External TC LBMP Energy Sales | 4% | 2% | | | | | | | | | | |
| DAM Bilateral - Internal Bilaterals | 34% | 34% | | | | | | | | | | |
| DAM Bilateral - Import/Non-LBMP Market Bilaterals | 5% | 5% | | | | | | | | | | |
| DAM Bilateral - Export/Non-LBMP Market Bilaterals | 2% | 1% | | | | | | | | | | |
| DAM Bilateral - Wheel Through Bilaterals | 2% | 2% | | | | | | | | | | |
| Balancing Energy Market MWh | -522,919 | -580,900 | | | | | | | | | | |
| Balancing Energy LSE Internal LBMP Energy Sales | -125% | -114% | | | | | | | | | | |
| Balancing Energy External TC LBMP Energy Sales | 12% | 13% | | | | | | | | | | |
| Balancing Energy Bilateral - Internal Bilaterals | 19% | 9% | | | | | | | | | | |
| Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals | 0% | 0% | | | | | | | | | | |
| Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals | 6% | 5% | | | | | | | | | | |
| Balancing Energy Bilateral - Wheel Through Bilaterals | -12% | -12% | | | | | | | | | | |
| Transactions Summary | | | | | | | | | | | | |
| LBMP | 56% | 56% | | | | | | | | | | |
| Internal Bilaterals | 36% | 36% | | | | | | | | | | |
| Import Bilaterals | 5% | 5% | | | | | | | | | | |
| Export Bilaterals | 2% | 2% | | | | | | | | | | |
| Wheels Through | 1% | 1% | | | | | | | | | | |
| Market Share of Total Load | | | | | | | | | | | | |
| Day Ahead Market | 103.7% | 104.5% | | | | | | | | | | |
| Balancing Energy + | -3.7% | -4.5% | | | | | | | | | | |
| Total MWh | 14,237,996 | 13,033,853 | | | | | | | | | | |
| Average Daily Energy Sendout/Month GWh | 439 | 436 | | | | | | | | | | |

| 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> |
|--|----------------|-----------------|--------------|--------------|------------|-------------|-------------|---------------|------------------|----------------|-----------------|-----------------|
| 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 | -595,704 | -684,006 | -628,903 |
| Balancing Energy LSE Internal LBMP Energy Sales | -149% | -247% | -192% | -147% | -142% | -106% | -120% | -139% | -345% | -116% | -111% | -116% |
| Balancing Energy External TC LBMP Energy Sales | 30% | 113% | 64% | 36% | 35% | 16% | 25% | 50% | 110% | 13% | 12% | 17% |
| Balancing Energy Bilateral - Internal Bilaterals | 13% | 14% | 19% | 5% | 6% | 6% | 13% | 25% | 239% | 7% | 5% | 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% | -12% | -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% | 104.6% | 105.4% | 104.8% |
| Balancing Energy + | -4.3% | -2.0% | -2.7% | -3.4% | -2.6% | -4.0% | -3.1% | -1.4% | -0.2% | -4.6% | -5.4% | -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 | 12,950,329 | 12,654,326 | 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 | | | | | | | | | | |
| Standard Deviation | \$10.86 | \$12.46 | | | | | | | | | | |
| Load Weighted Price ** | \$32.13 | \$26.75 | | | | | | | | | | |
| <u>RTC LBMP</u> | | | | | | | | | | | | |
| Price * | \$26.12 | \$24.10 | | | | | | | | | | |
| Standard Deviation | \$16.06 | \$17.89 | | | | | | | | | | |
| Load Weighted Price ** | \$27.16 | \$25.29 | | | | | | | | | | |
| <u>REAL TIME LBMP</u> | | | | | | | | | | | | |
| Price * | \$30.15 | \$24.28 | | | | | | | | | | |
| Standard Deviation | \$60.09 | \$18.19 | | | | | | | | | | |
| Load Weighted Price ** | \$31.80 | \$25.61 | | | | | | | | | | |
| Average Daily Energy Sendout/Month GWh | 439 | 436 | | | | | | | | | | |

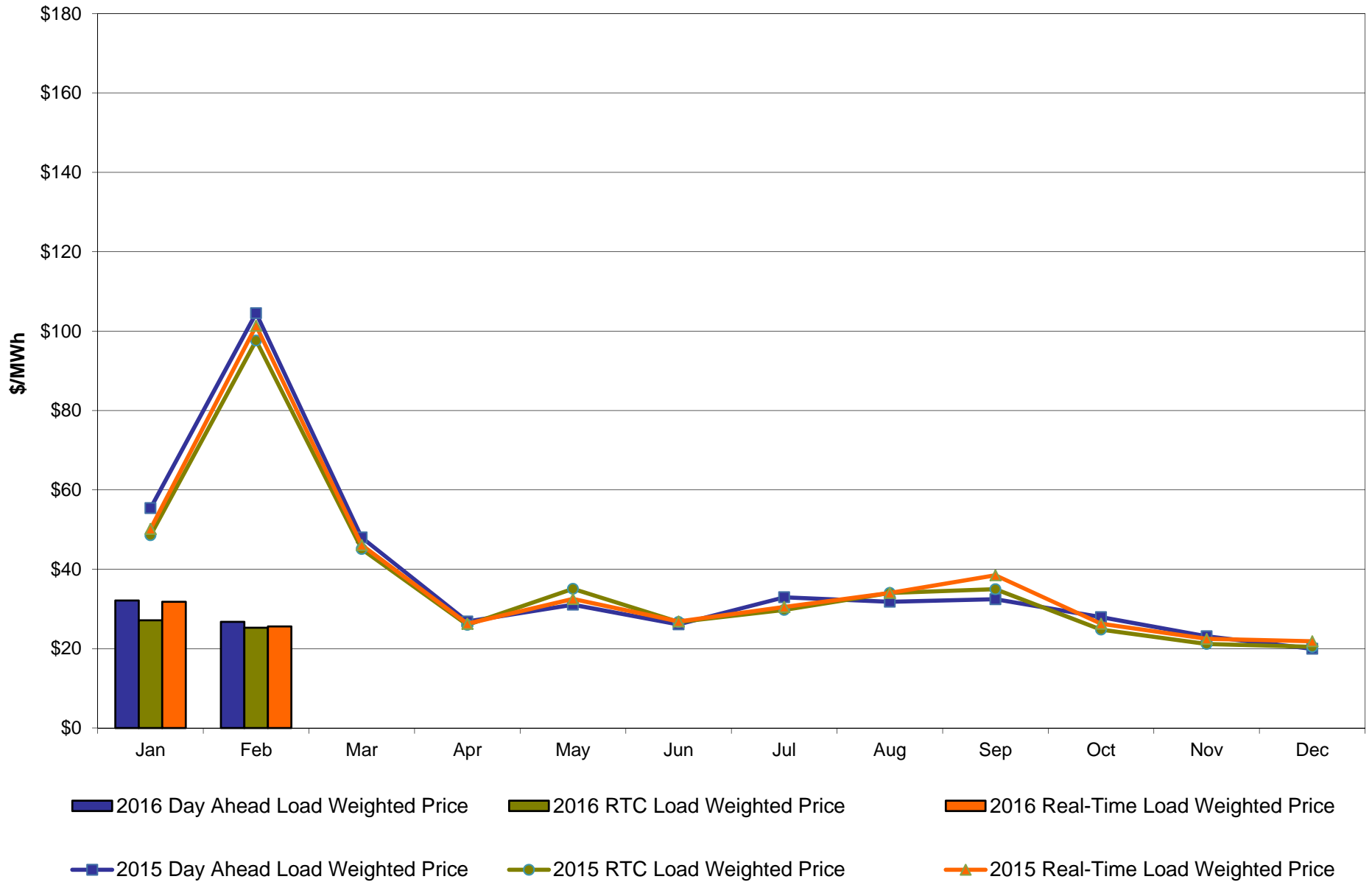
NYISO Markets 2015 Energy Statistics

| | <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

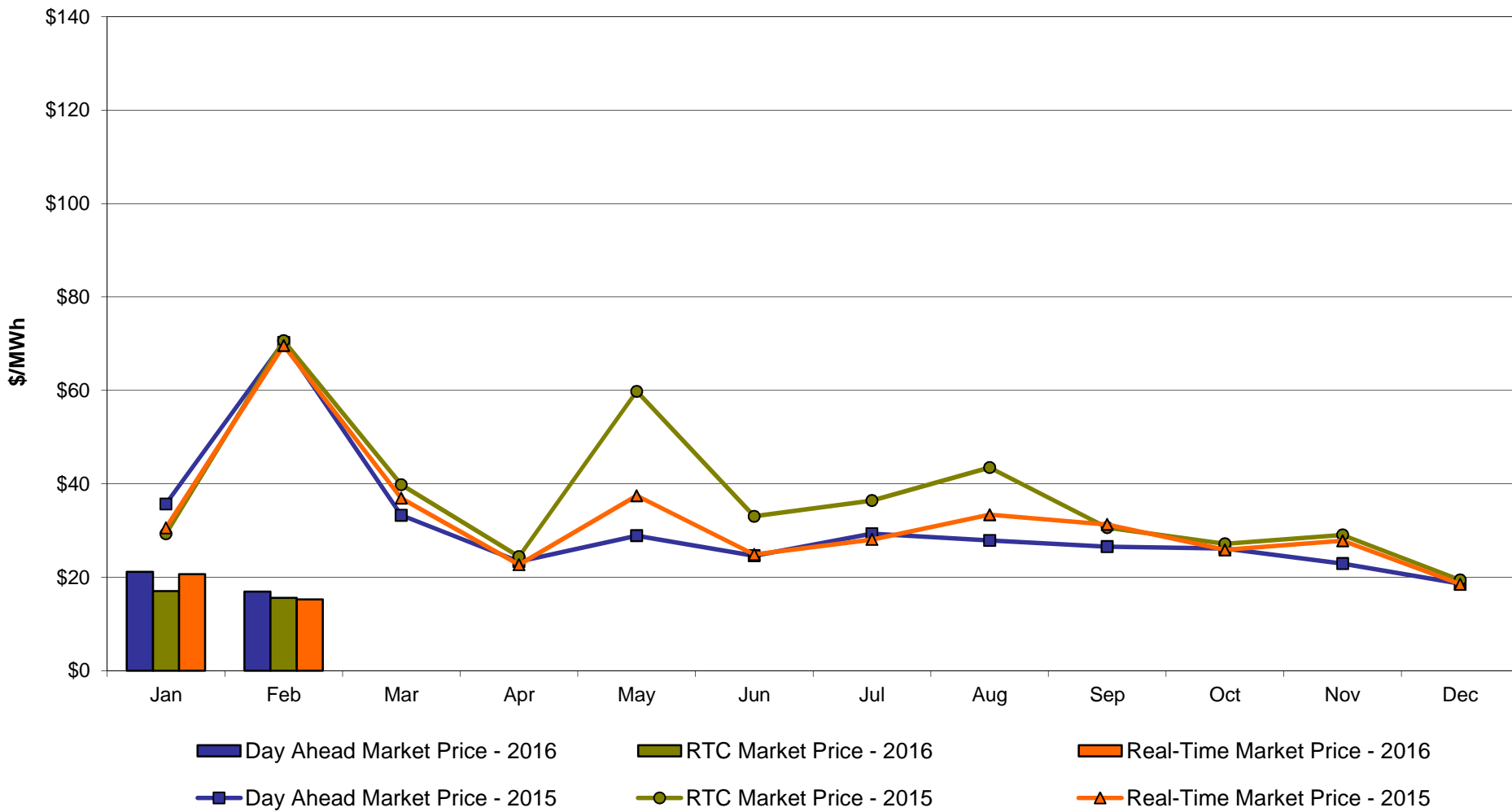


February 2016 Zonal LBMP Statistics for NYISO (\$/MWh)

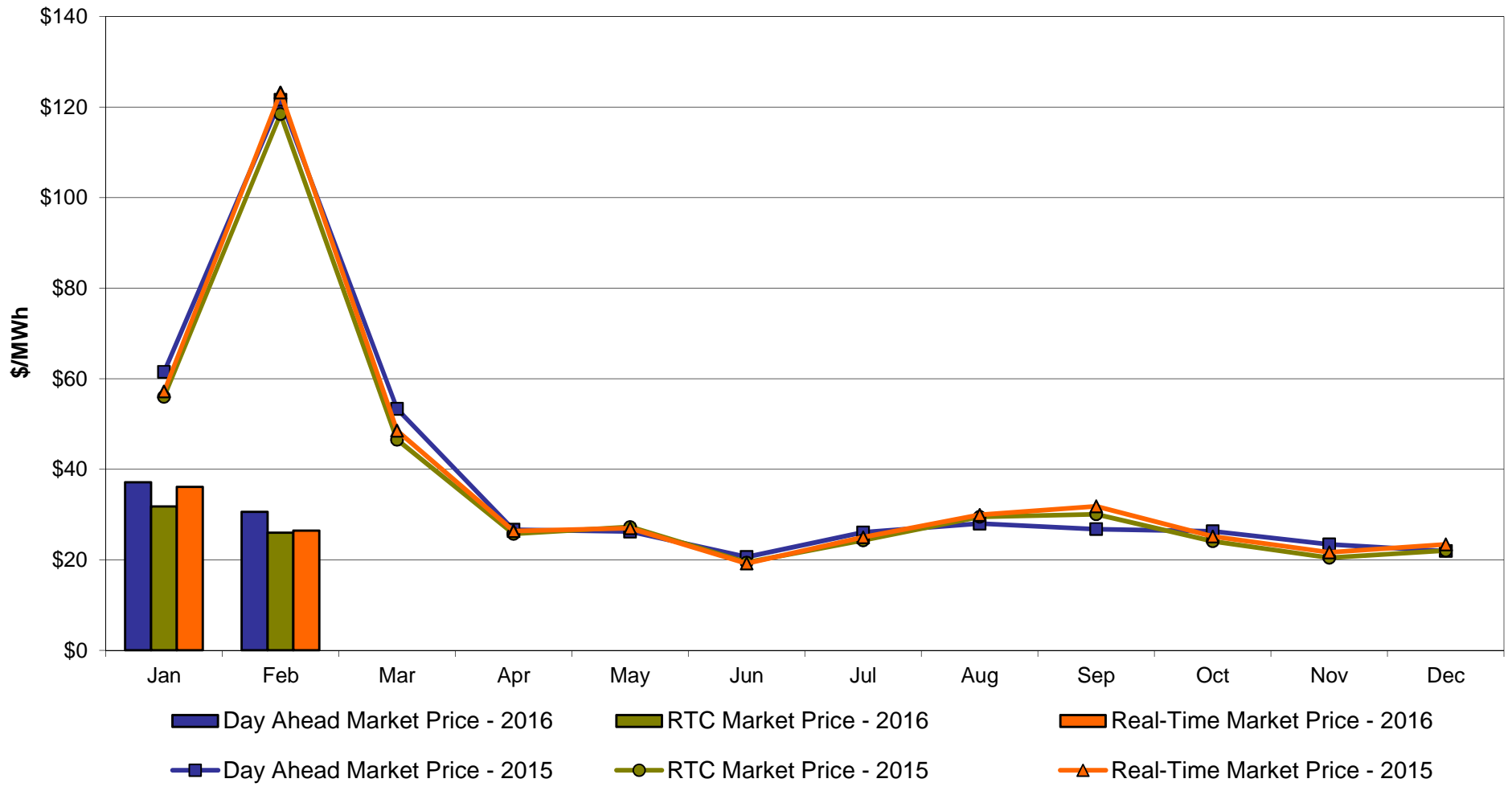
| | <u>WEST</u> <u>Zone A</u> | <u>GENESEE</u> <u>Zone B</u> | <u>NORTH</u> <u>Zone D</u> | <u>CENTRAL</u> <u>Zone C</u> | <u>MOHAWK</u> <u>VALLEY</u> <u>Zone E</u> | <u>CAPITAL</u> <u>Zone F</u> | <u>HUDSON</u> <u>VALLEY</u> <u>Zone G</u> | <u>MILLWOOD</u> <u>Zone H</u> | <u>DUNWOODIE</u> <u>Zone I</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 * | 16.96 | 16.96 | 15.96 | 17.63 | 19.23 | 30.57 | 28.68 | 28.90 | 28.84 | 29.61 | 33.08 |
| Standard Deviation | 7.42 | 7.43 | 7.88 | 7.75 | 8.64 | 15.80 | 13.96 | 14.08 | 14.02 | 15.65 | 17.39 |
| RTC LBMP | | | | | | | | | | | |
| Unweighted Price * | 15.60 | 15.32 | 14.78 | 16.13 | 17.33 | 25.96 | 24.39 | 24.53 | 24.45 | 28.09 | 34.80 |
| Standard Deviation | 21.71 | 11.13 | 12.23 | 11.57 | 12.25 | 16.64 | 15.11 | 15.22 | 15.15 | 30.93 | 35.60 |
| REAL TIME LBMP | | | | | | | | | | | |
| Unweighted Price * | 15.25 | 15.56 | 15.42 | 16.44 | 17.61 | 26.42 | 24.97 | 25.10 | 25.03 | 28.62 | 34.52 |
| Standard Deviation | 13.07 | 13.21 | 14.48 | 13.07 | 13.98 | 18.61 | 16.73 | 16.85 | 16.77 | 28.59 | 40.45 |
| | <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 * | 16.25 | 15.15 | 15.15 | 23.13 | 29.79 | 31.74 | 30.94 | 29.80 | 29.59 | 29.36 | 15.73 |
| Standard Deviation | 7.04 | 8.06 | 8.06 | 11.47 | 14.95 | 15.29 | 14.62 | 13.99 | 15.80 | 15.09 | 7.80 |
| RTC LBMP | | | | | | | | | | | |
| Unweighted Price * | 14.60 | 13.09 | 13.09 | 22.92 | 25.99 | 26.70 | 26.14 | 23.15 | 27.66 | 28.24 | 14.50 |
| Standard Deviation | 10.74 | 12.04 | 12.04 | 48.80 | 17.70 | 19.47 | 19.04 | 16.71 | 31.87 | 40.87 | 11.94 |
| REAL TIME LBMP | | | | | | | | | | | |
| Unweighted Price * | 14.95 | 14.20 | 14.20 | 23.18 | 26.13 | 27.53 | 26.85 | 23.74 | 28.43 | 28.09 | 14.58 |
| Standard Deviation | 12.91 | 13.81 | 13.81 | 47.48 | 18.09 | 23.17 | 22.80 | 18.04 | 28.46 | 29.67 | 13.62 |

* Straight LBMP averages

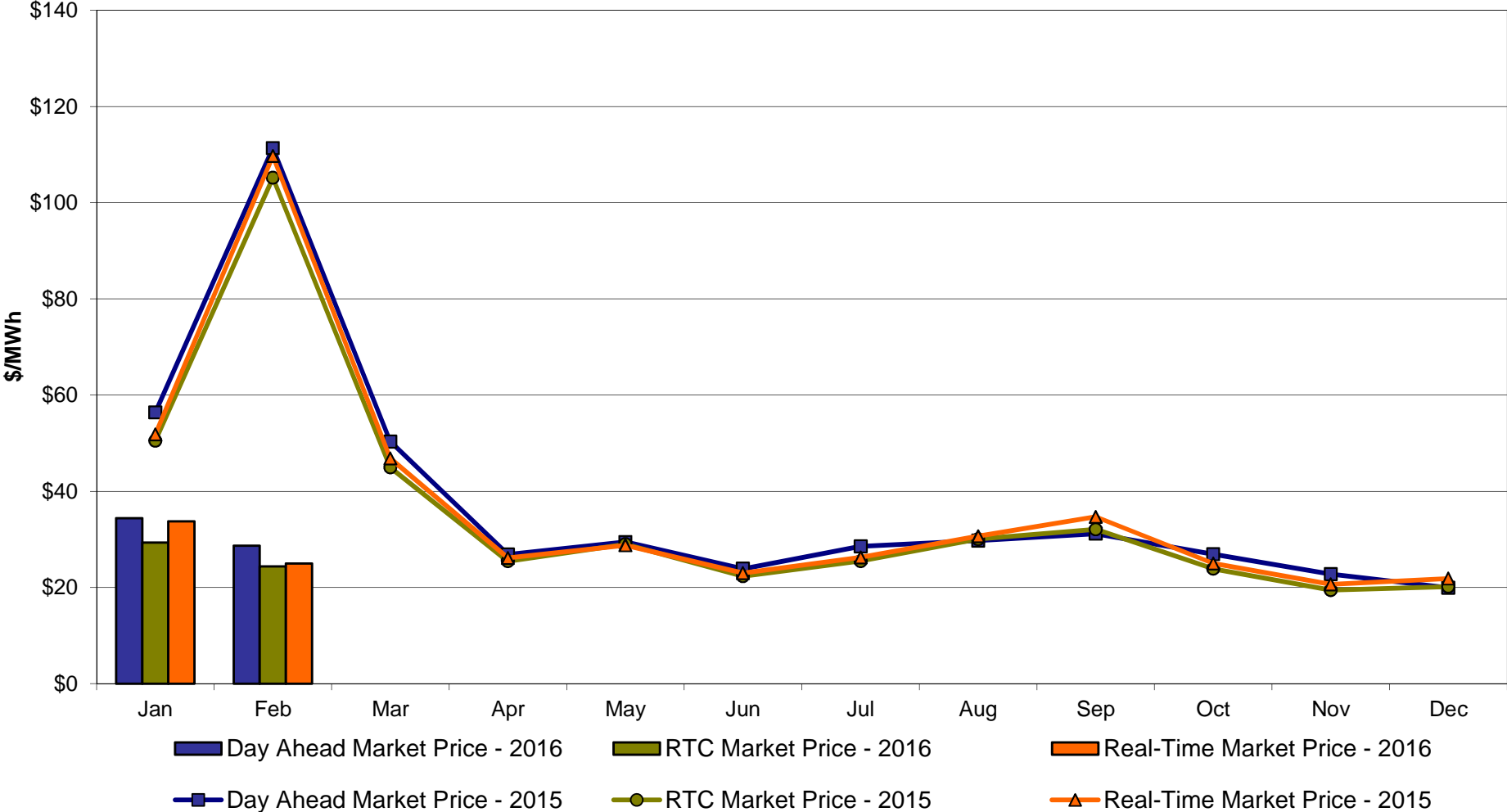
**West Zone A
Monthly Average LBMP Prices 2015 - 2016**



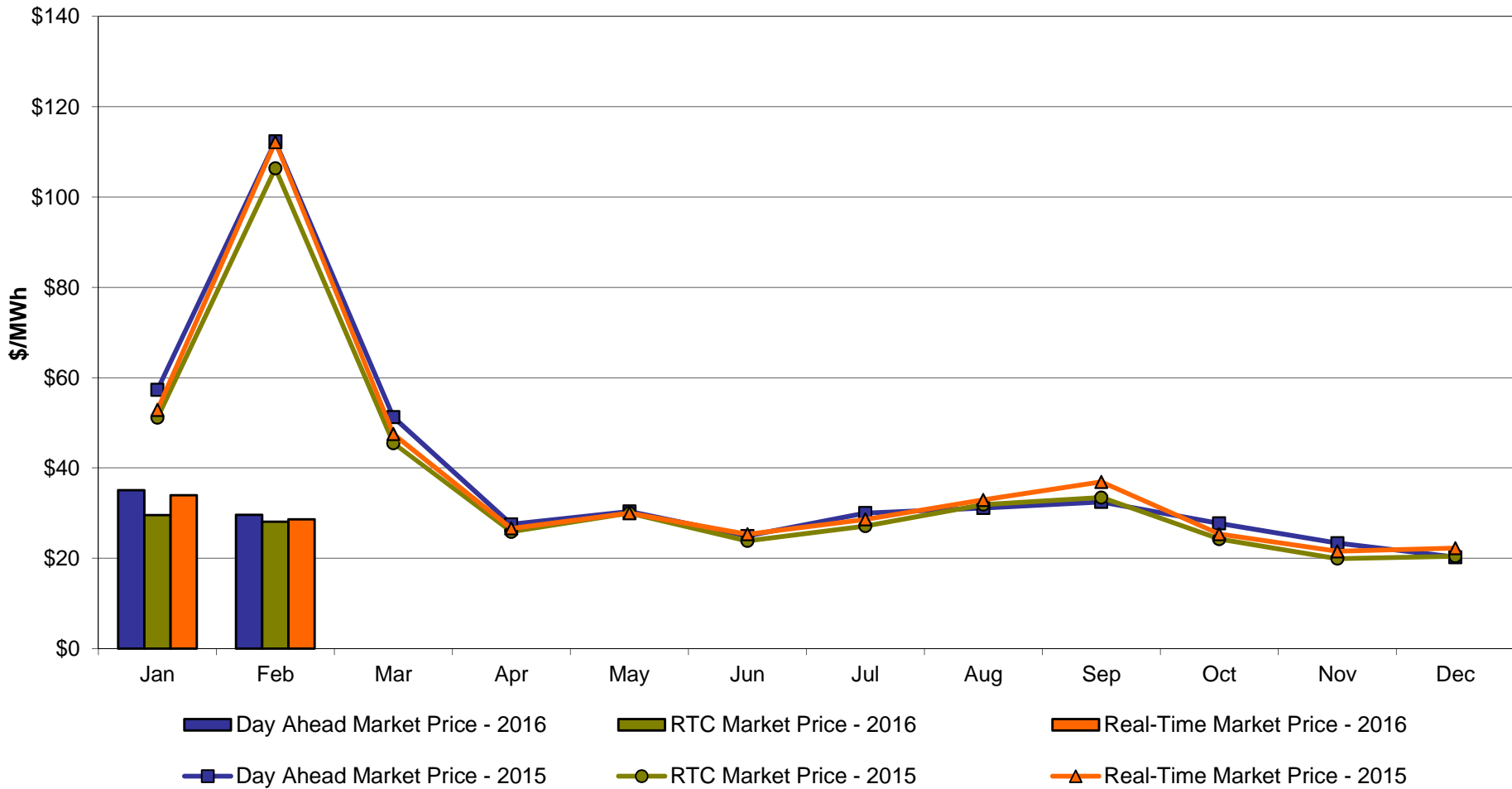
Capital Zone F Monthly Average LBMP Prices 2015 - 2016



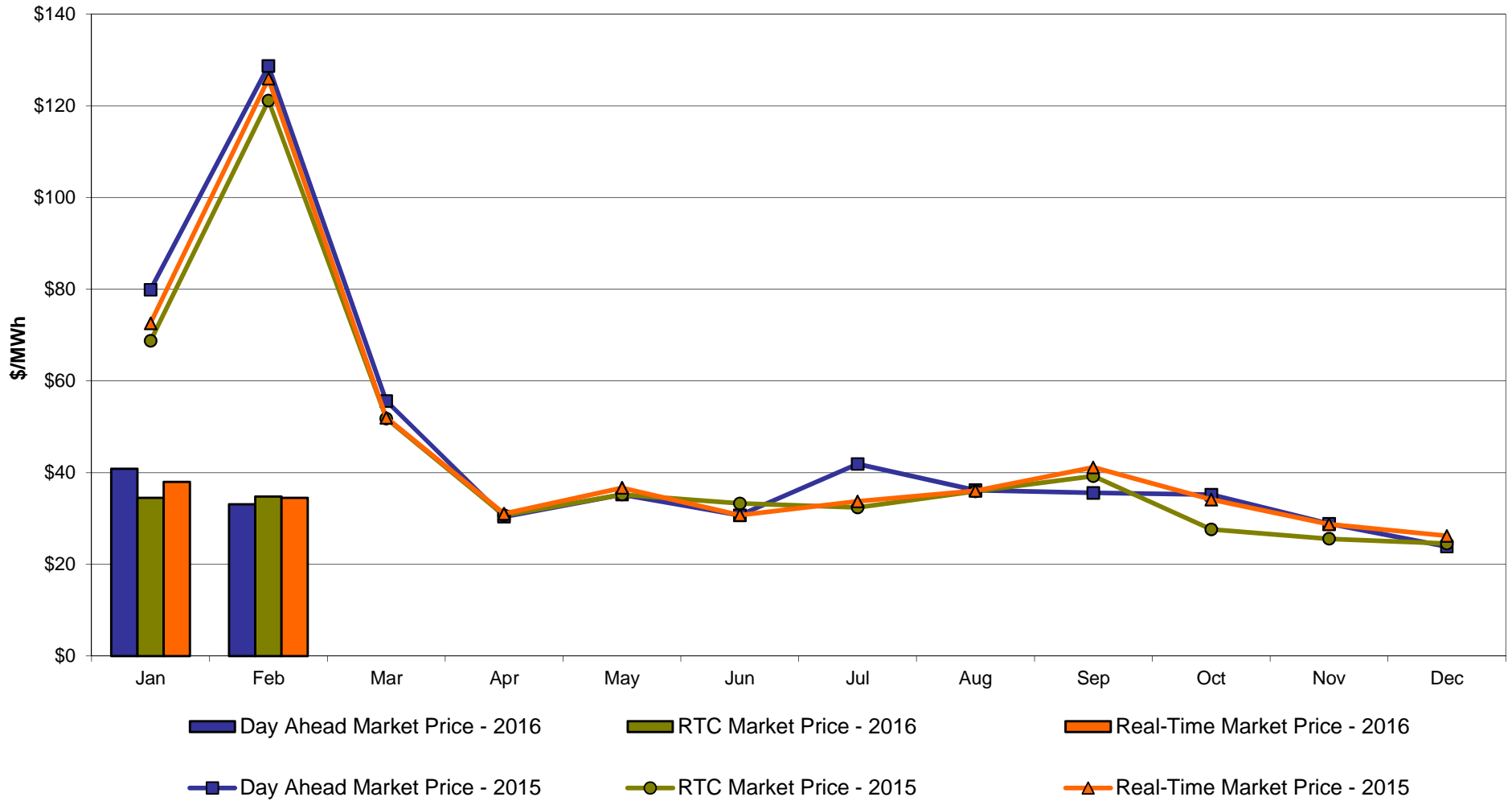
Hudson Valley Zone G Monthly Average LBMP Prices 2015 - 2016



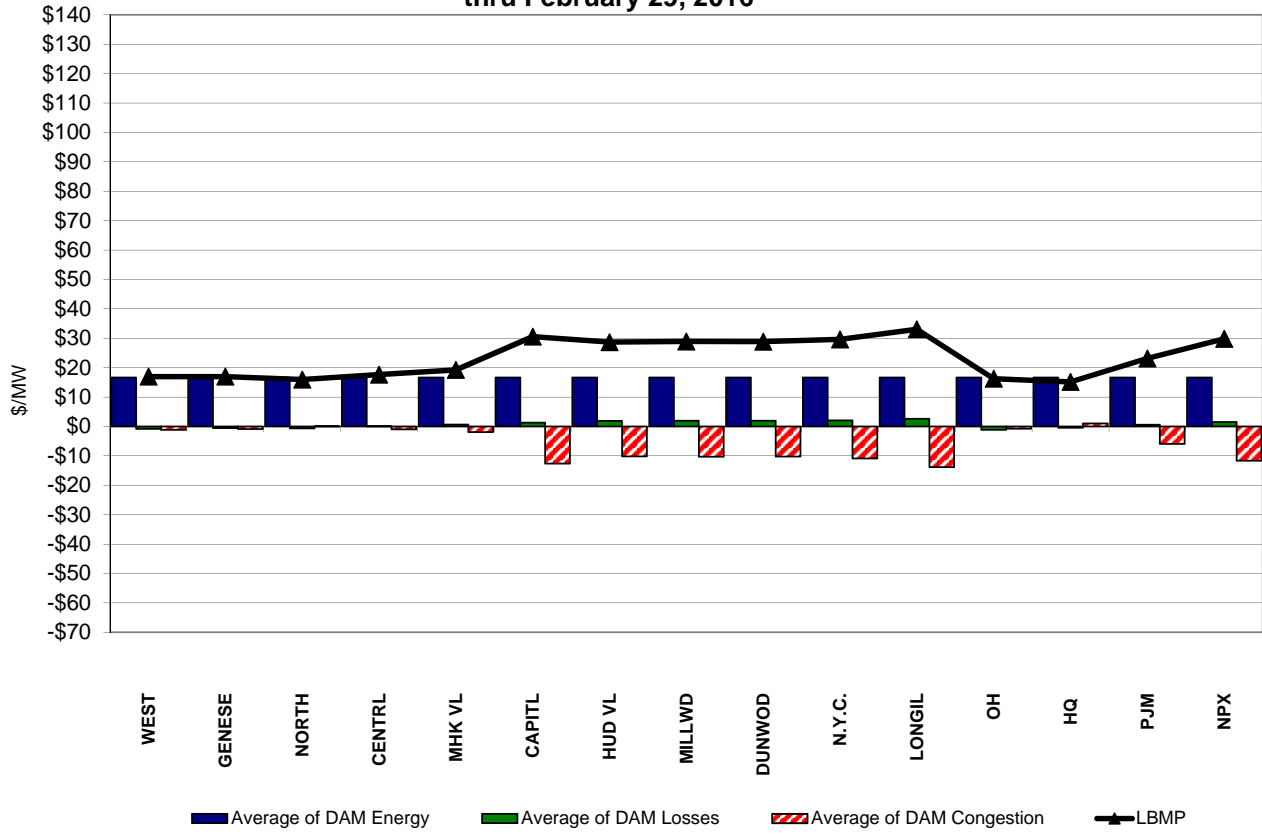
NYC Zone J Monthly Average LBMP Prices 2015 - 2016



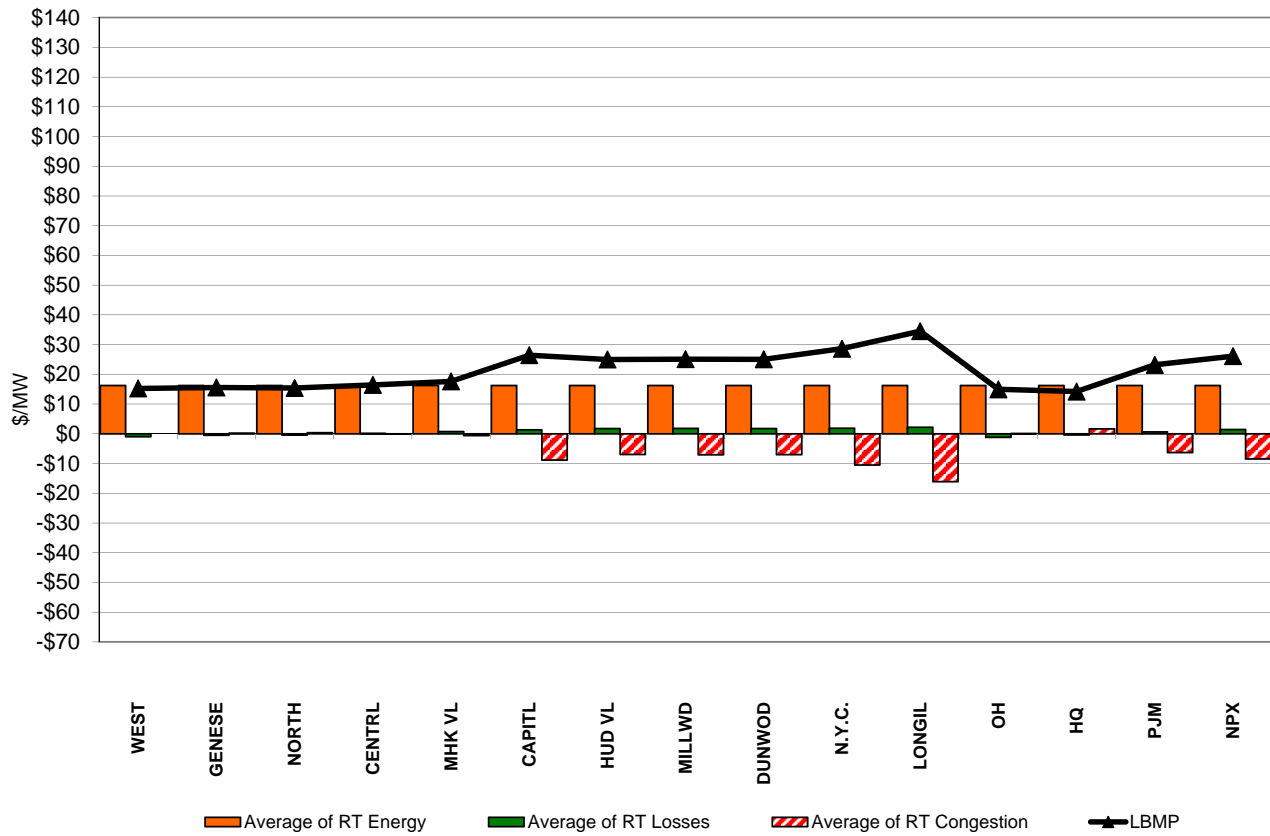
Long Island Zone K Monthly Average LBMP Prices 2015 - 2016



DAM Zonal Unweighted Monthly Average LBMP Components thru February 29, 2016

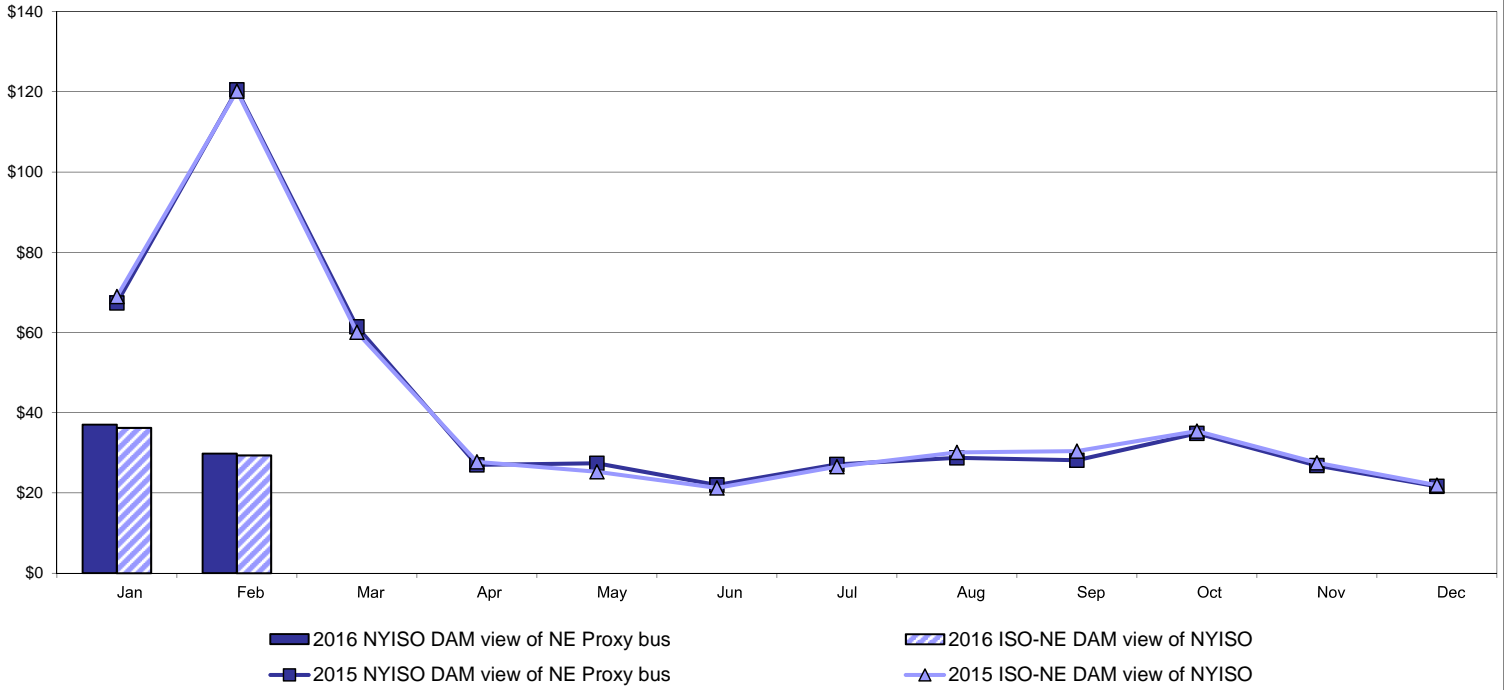


RT Zonal Unweighted Monthly Average LBMP Components thru February 29, 2016

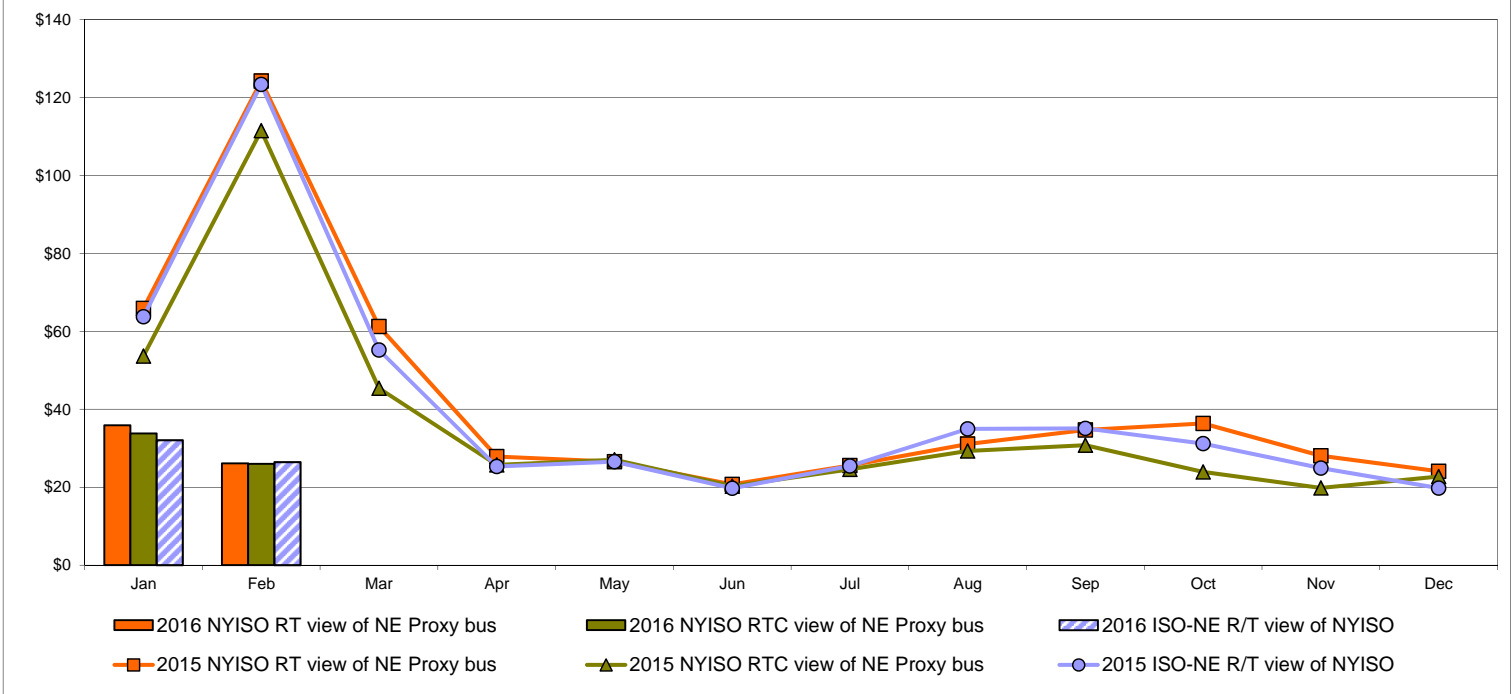


External Comparison ISO-New England

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

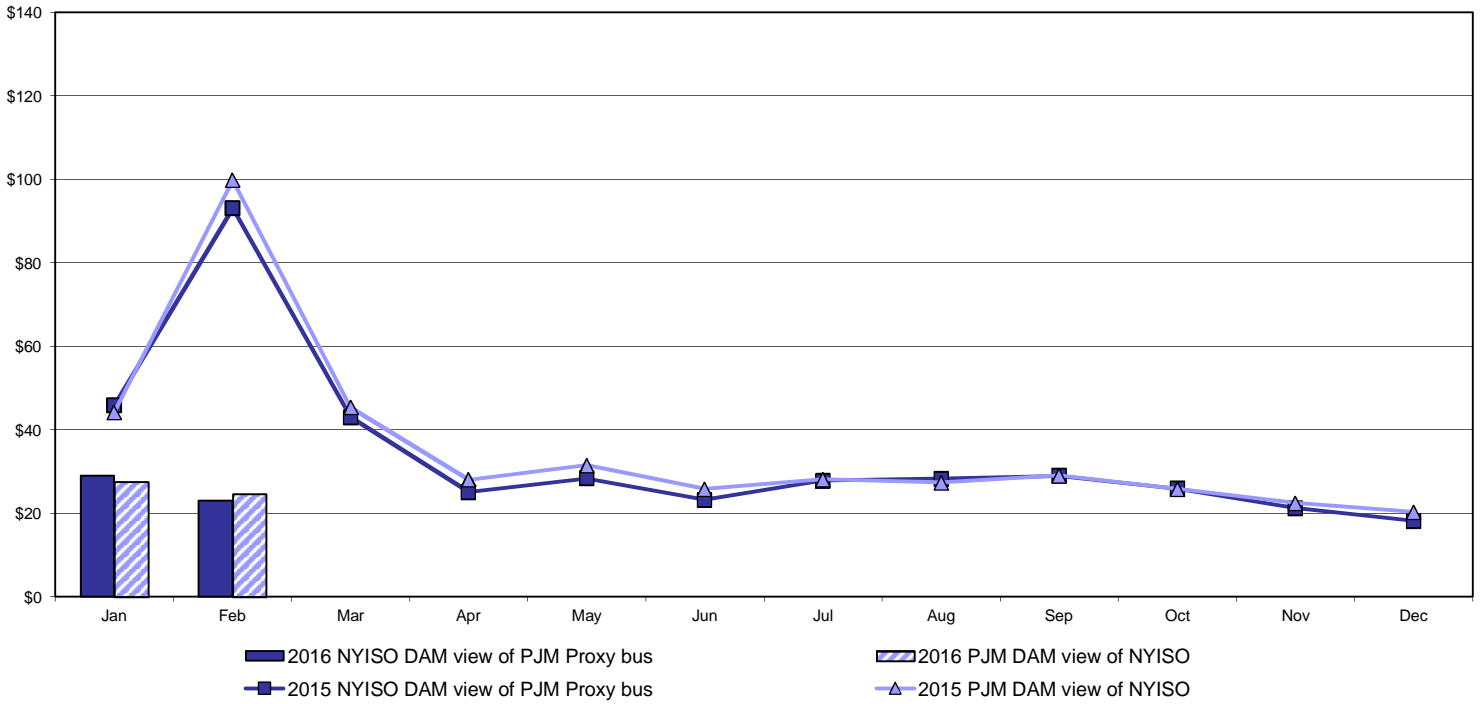


Real Time Market External Zone Comparison: ISO-NE (\$/MWh)

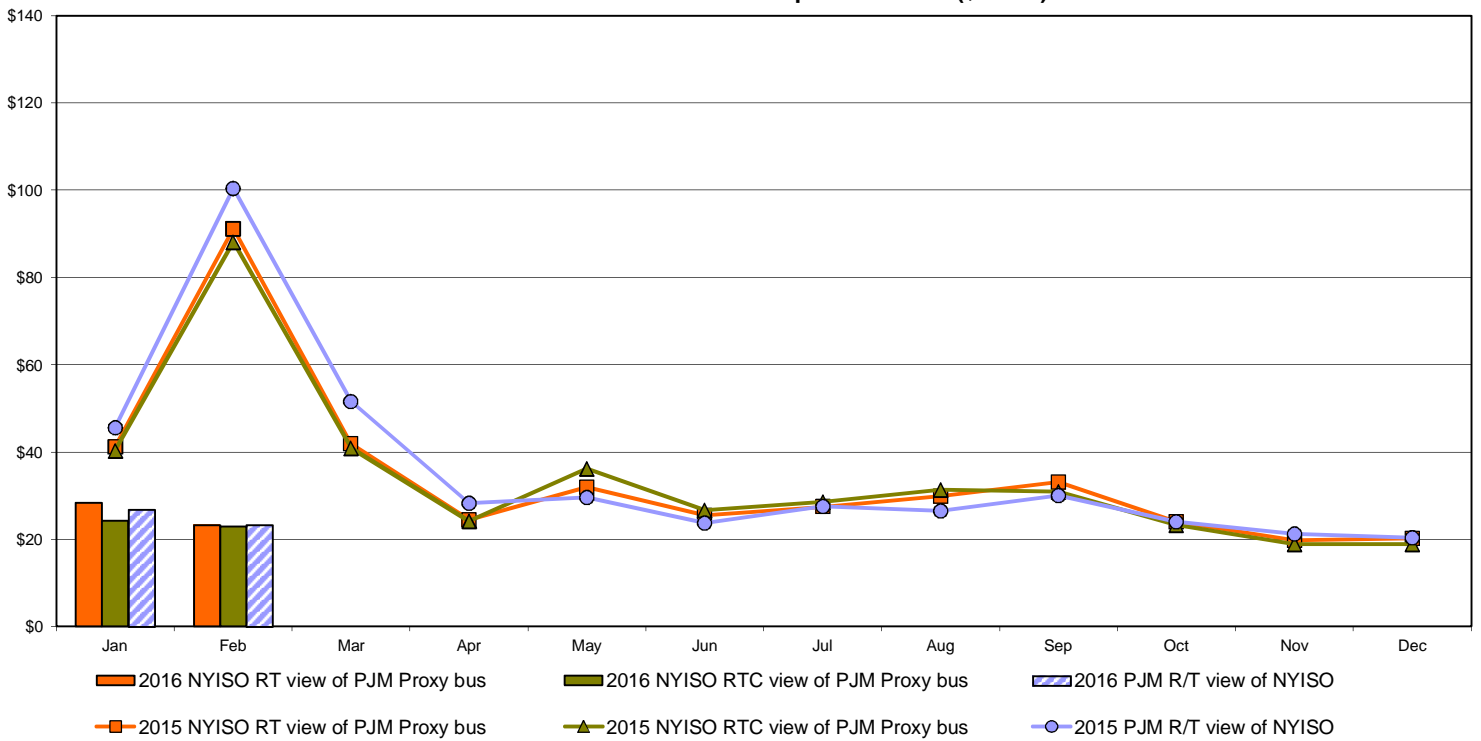


External Comparison PJM

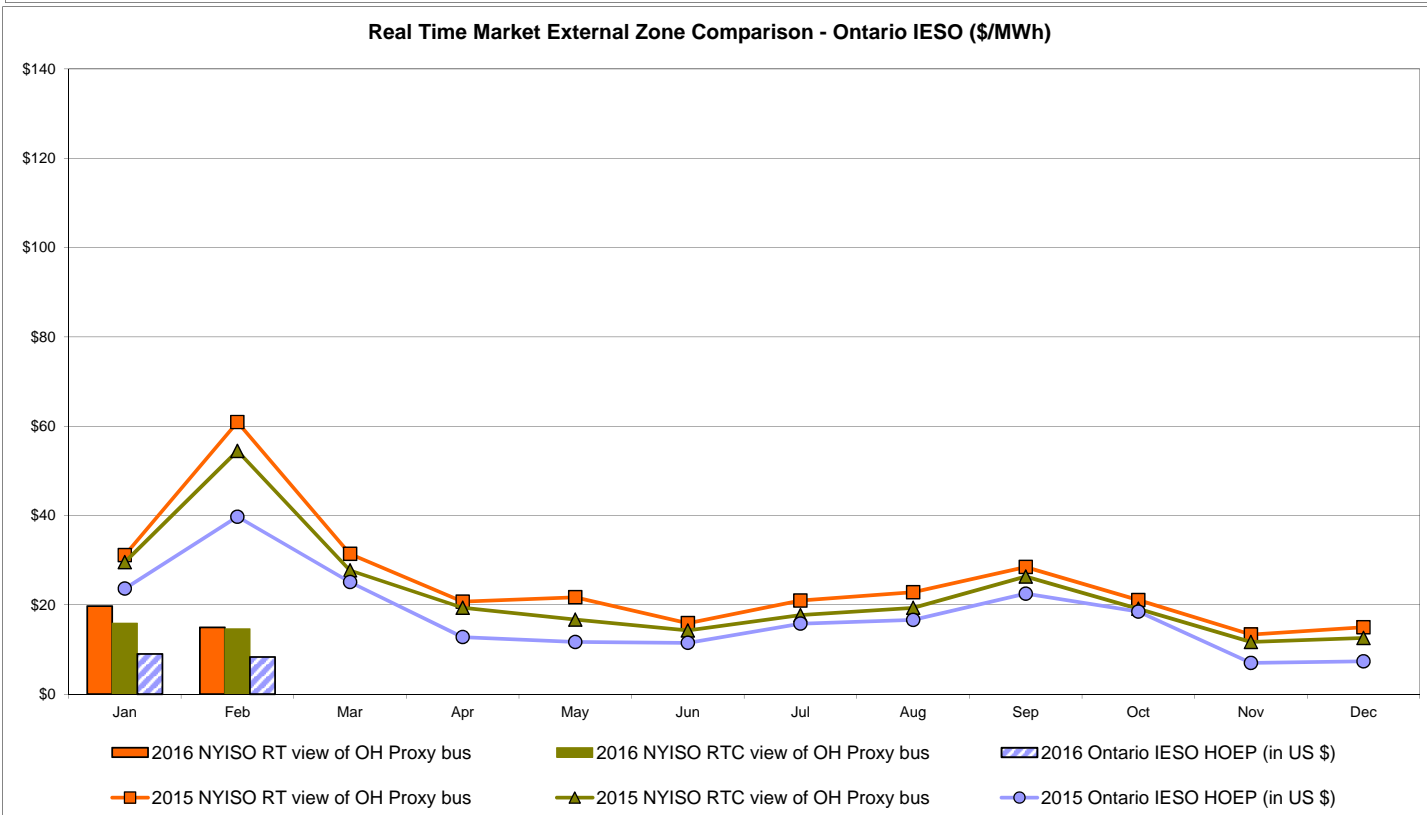
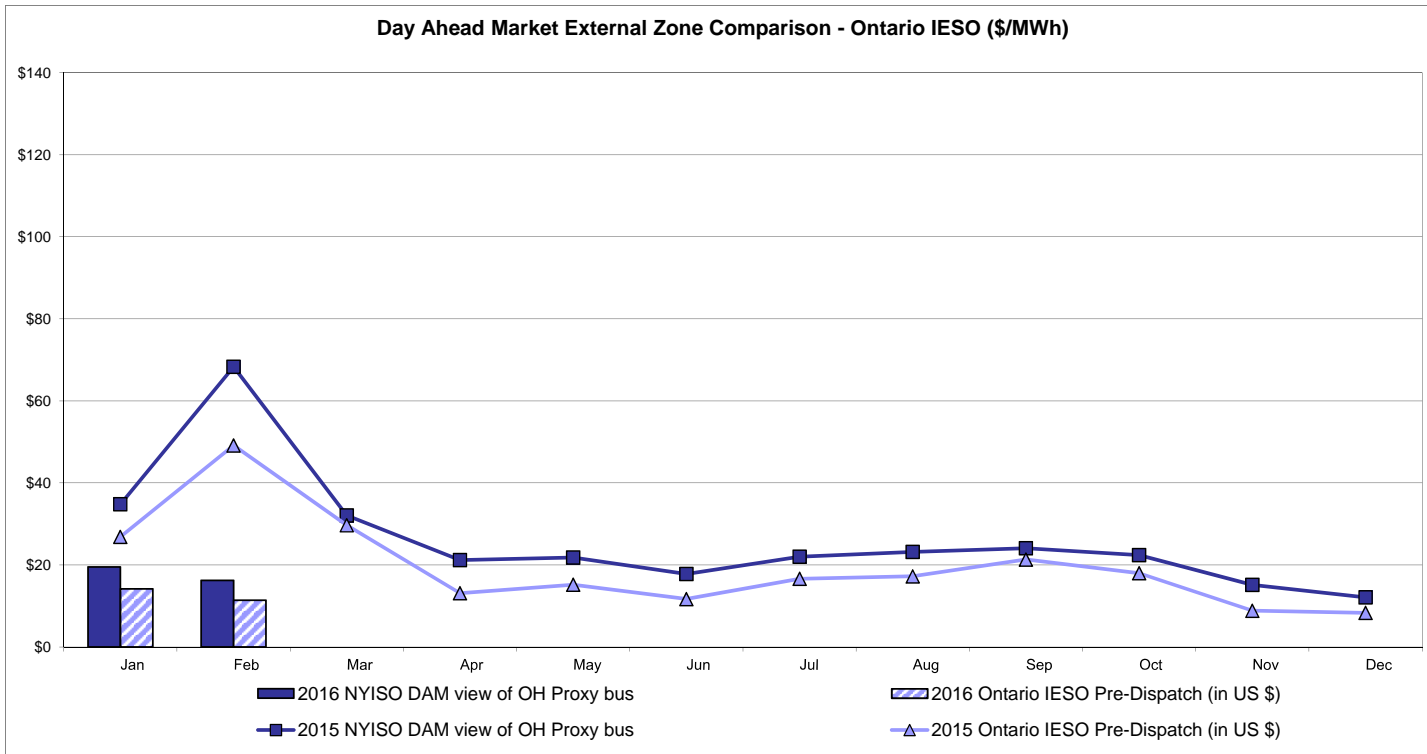
Day Ahead Market External Zone Comparison - PJM (\$/MWh)



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

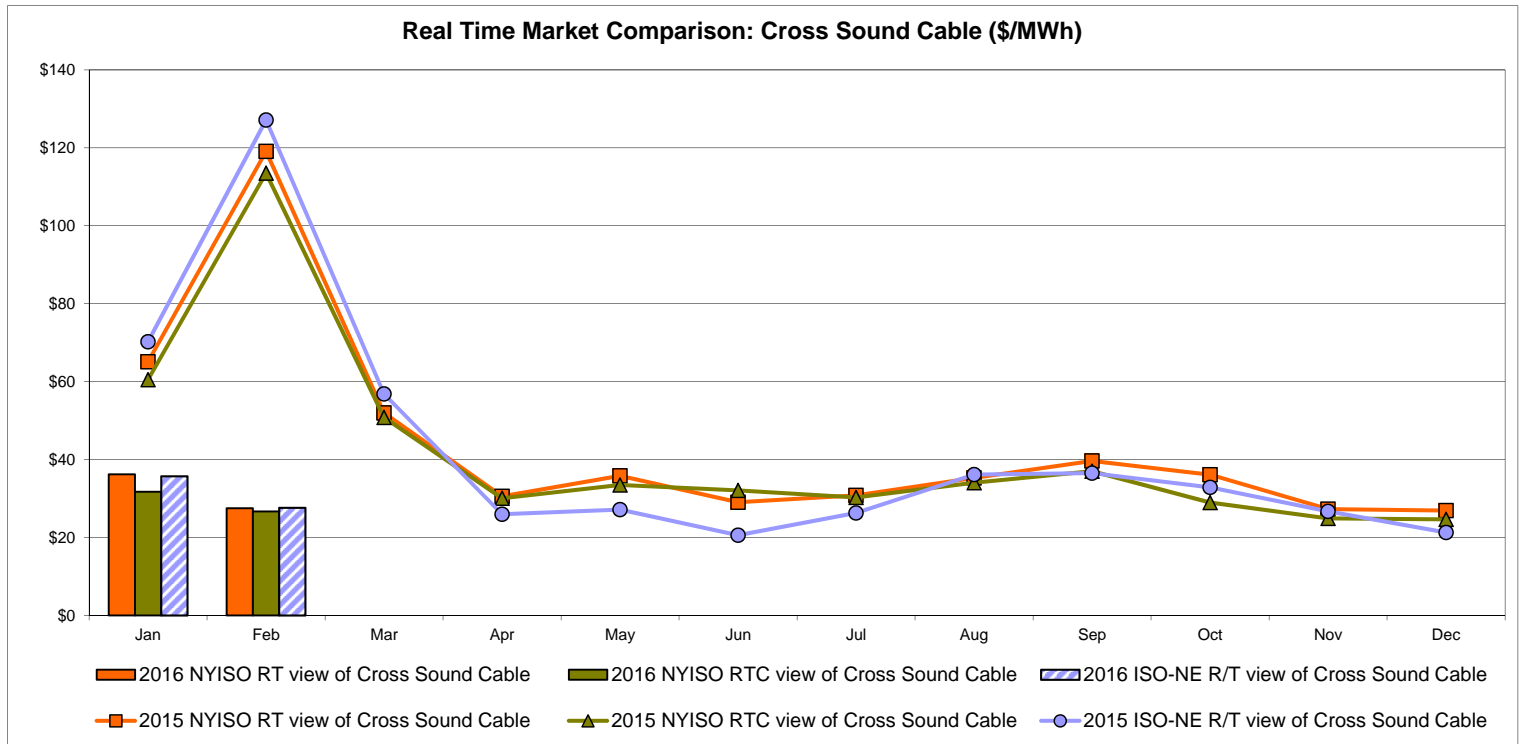
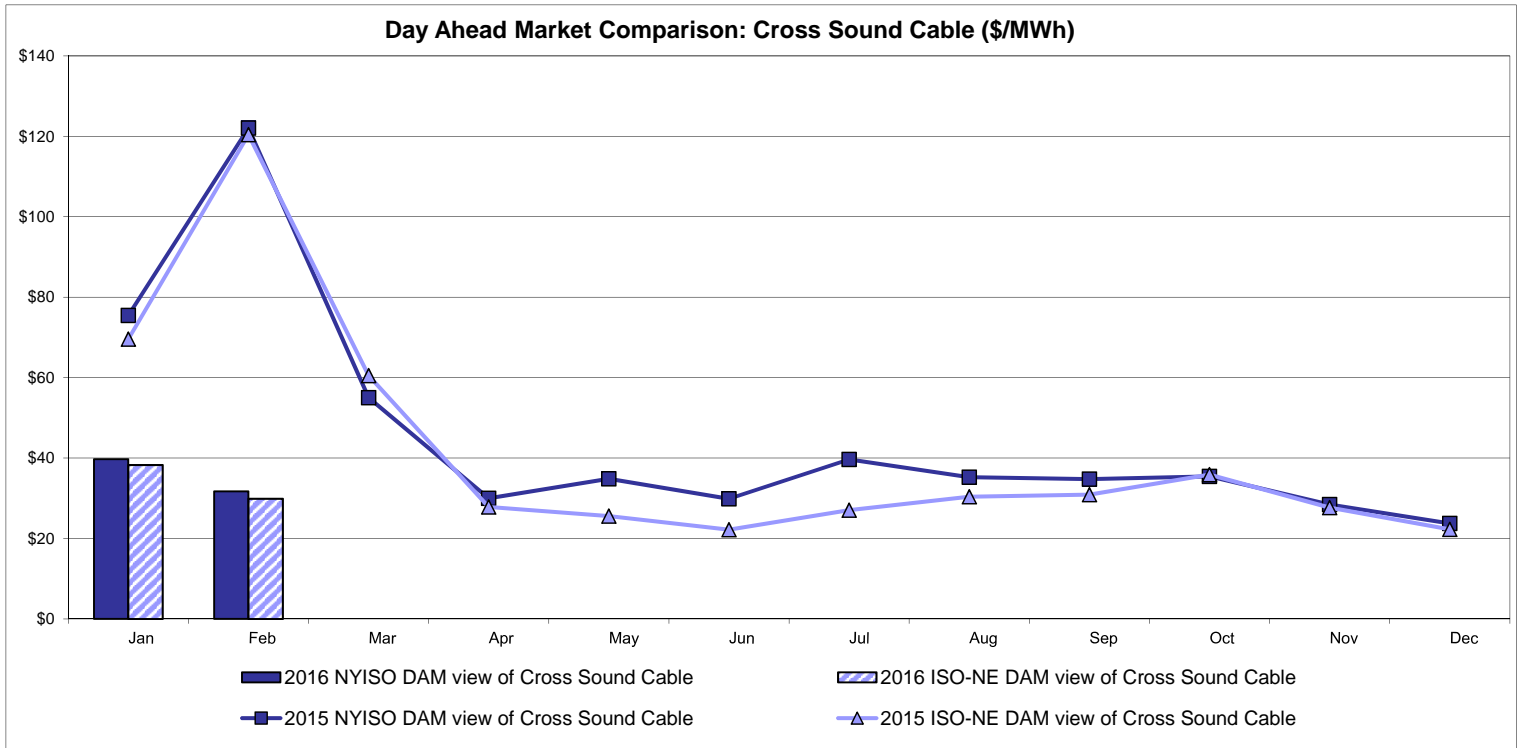


External Comparison Ontario IESO



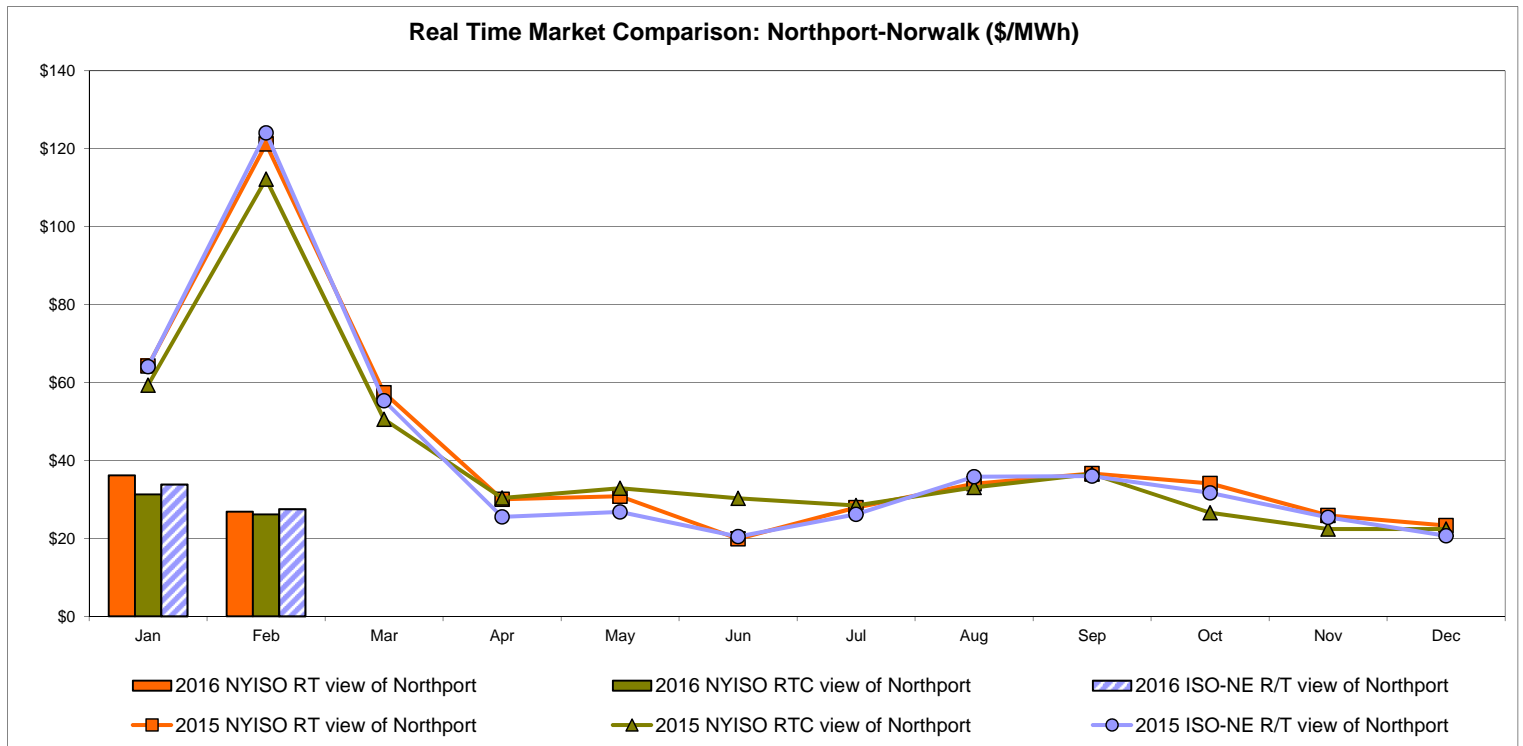
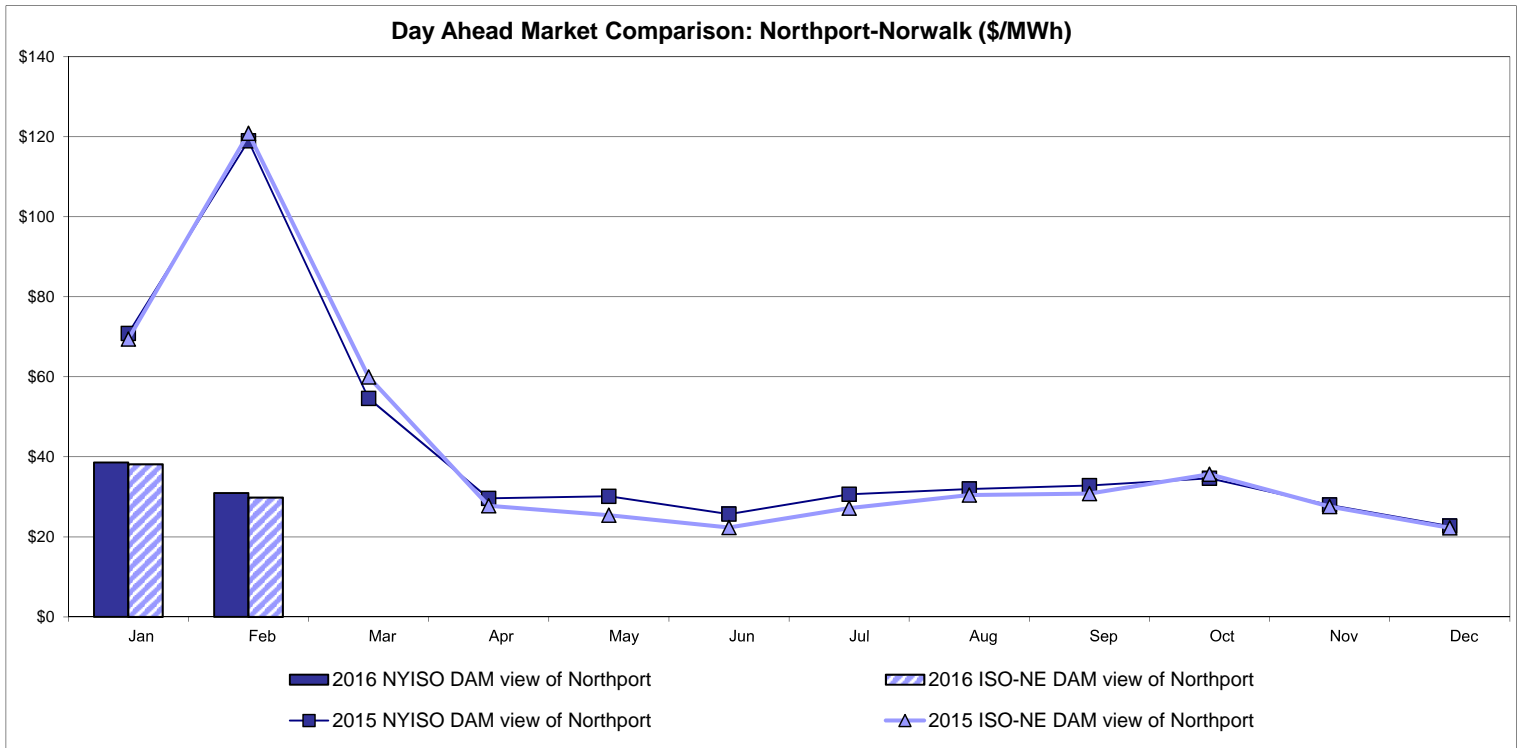
Notes: Exchange factor used for February 2016 was 0.7241 to US
 HOEP: Hourly Ontario Energy Price
 Pre-Dispatch: Projected Energy Price

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.

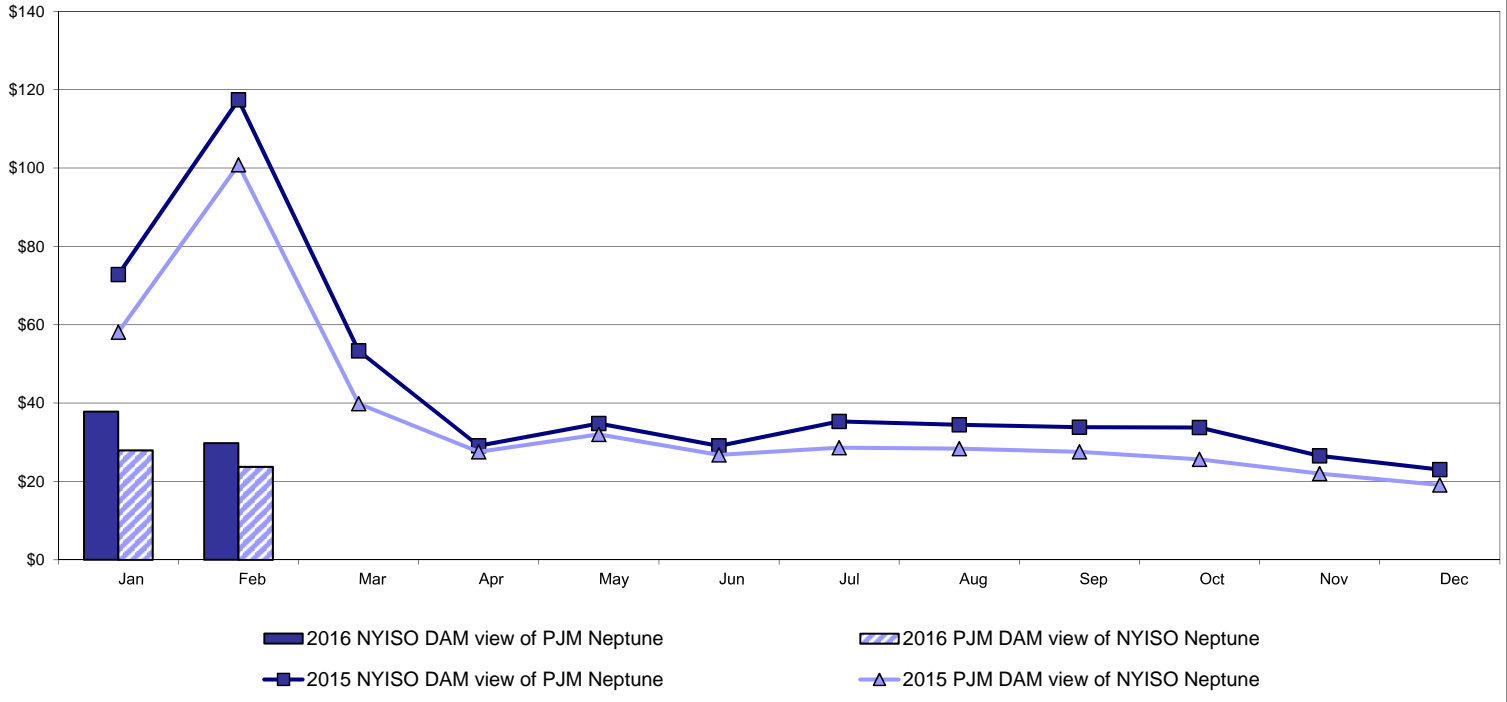
External Controllable Line: Northport - Norwalk (New England)



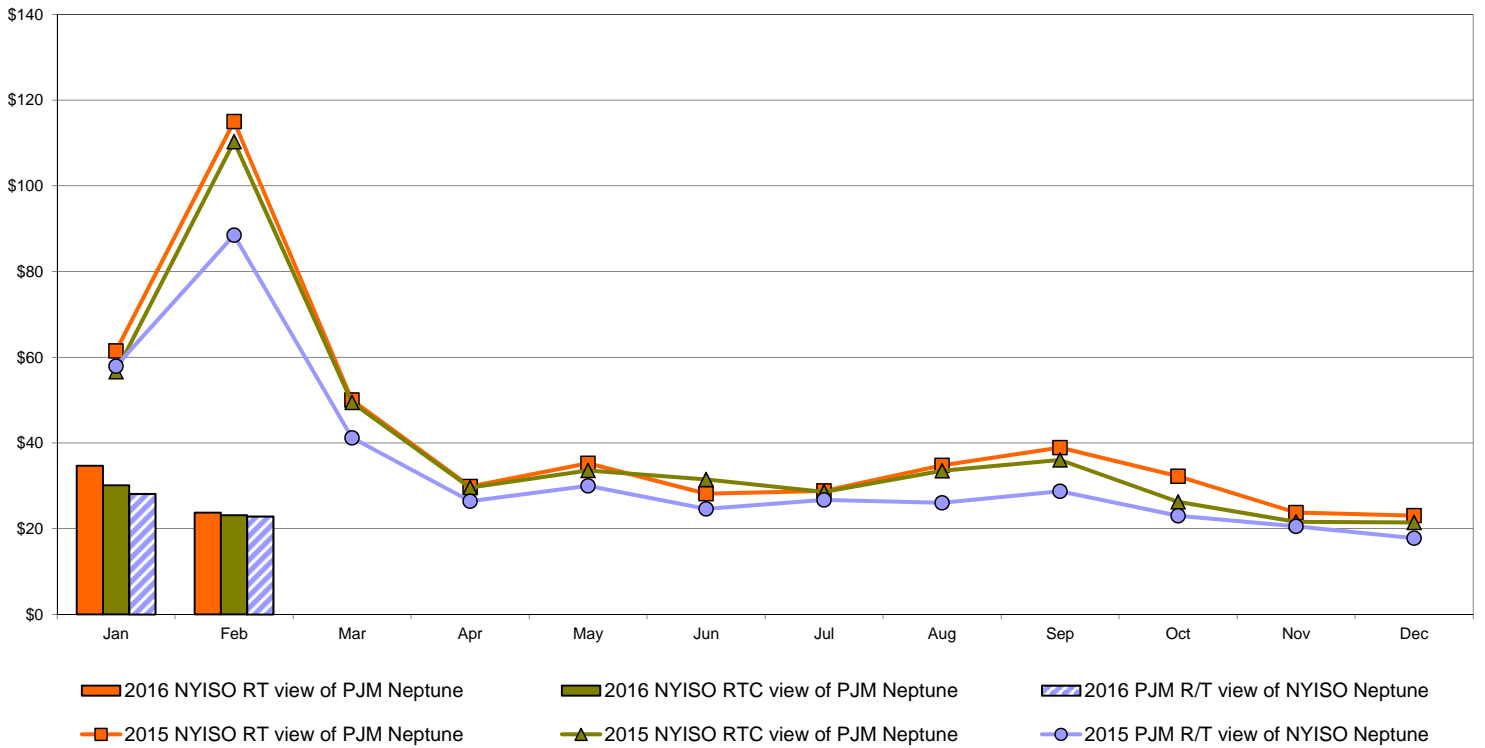
Note:
 ISO-NE Forecast is an advisory posting @ 18:00 day before.
 The DAM and R/T prices at the Northport 138 interface are used for ISO-NE.
 The DAM and R/T prices at the 1385 interface are used for NYISO.

External Controllable Line: Neptune (PJM)

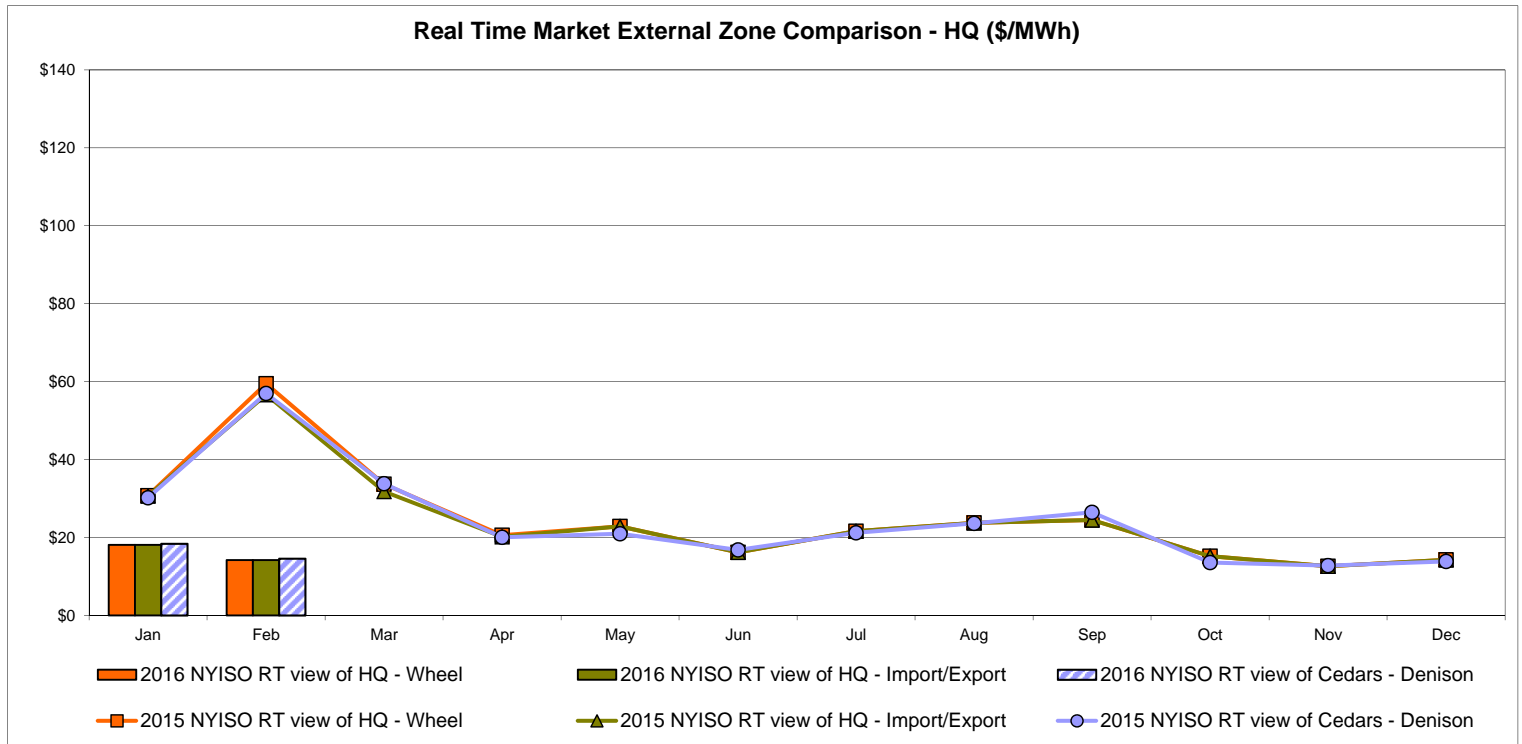
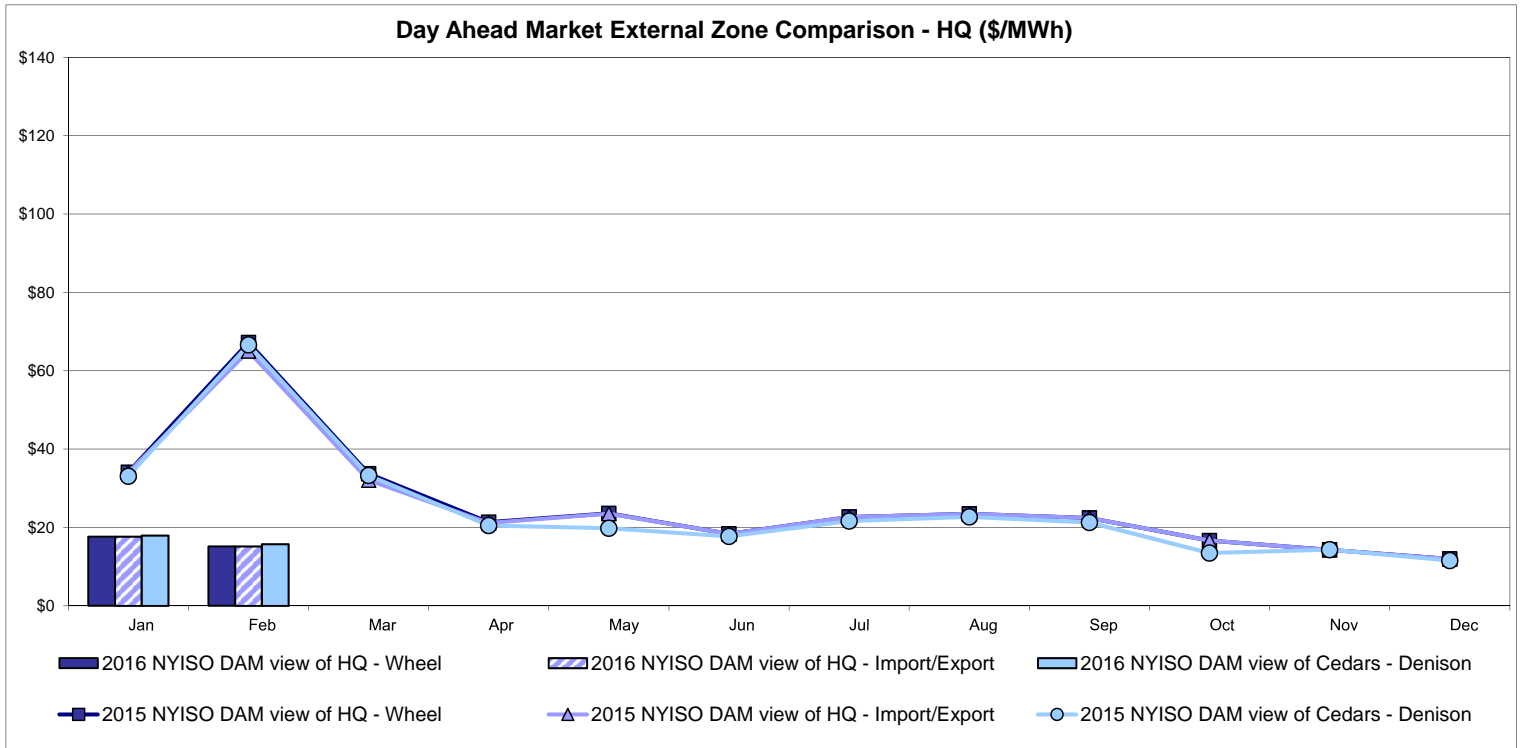
Day Ahead Market Comparison: Neptune (\$/MWh)



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

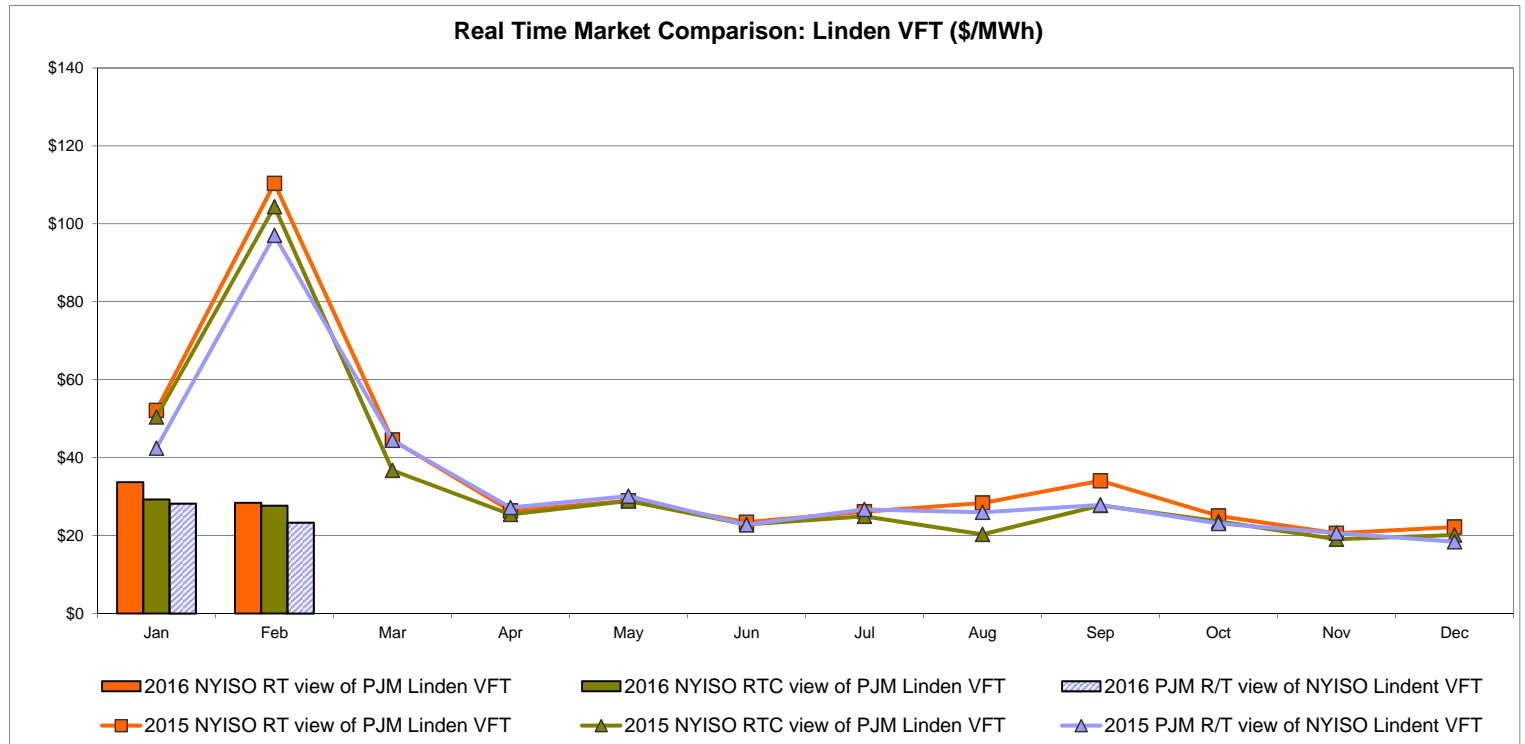
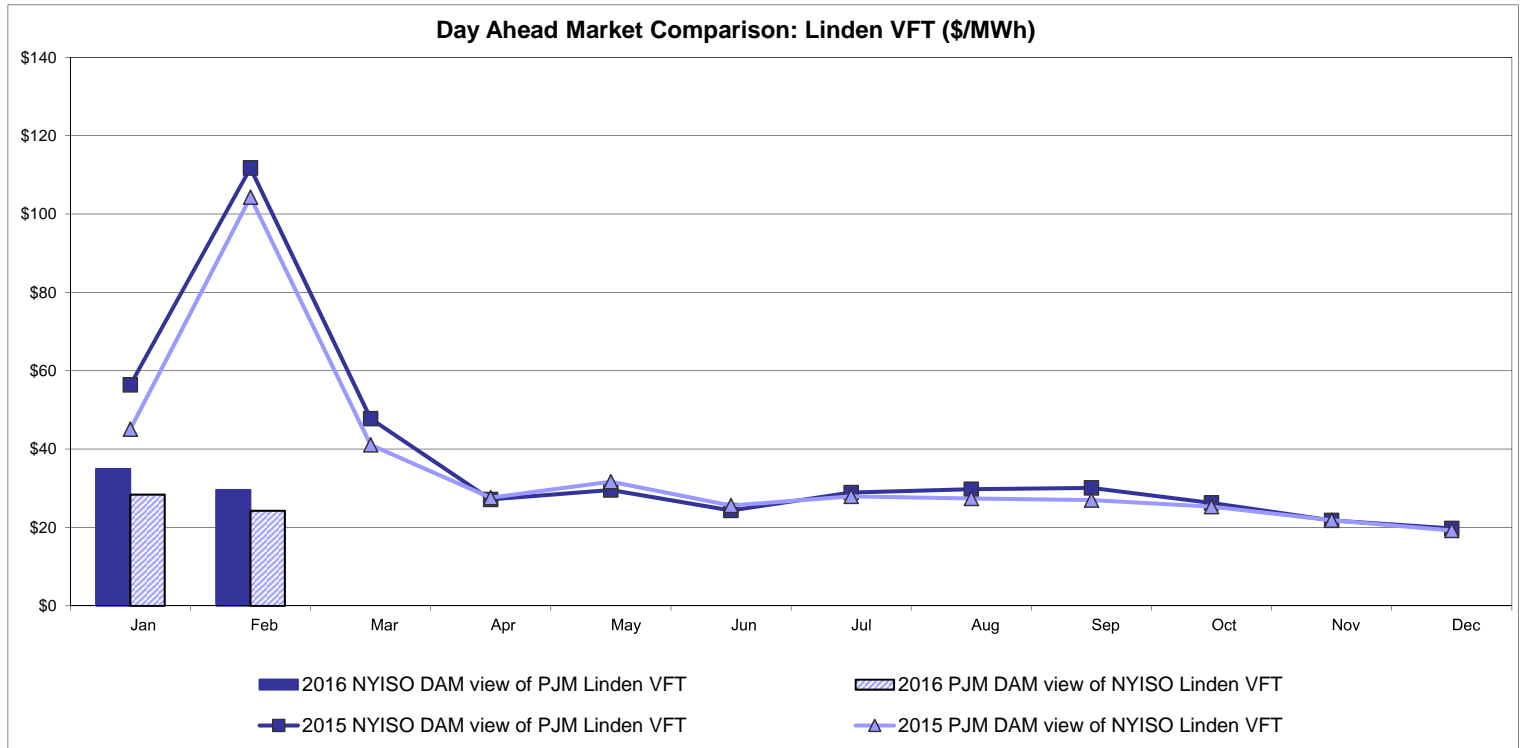


External Comparison Hydro-Quebec

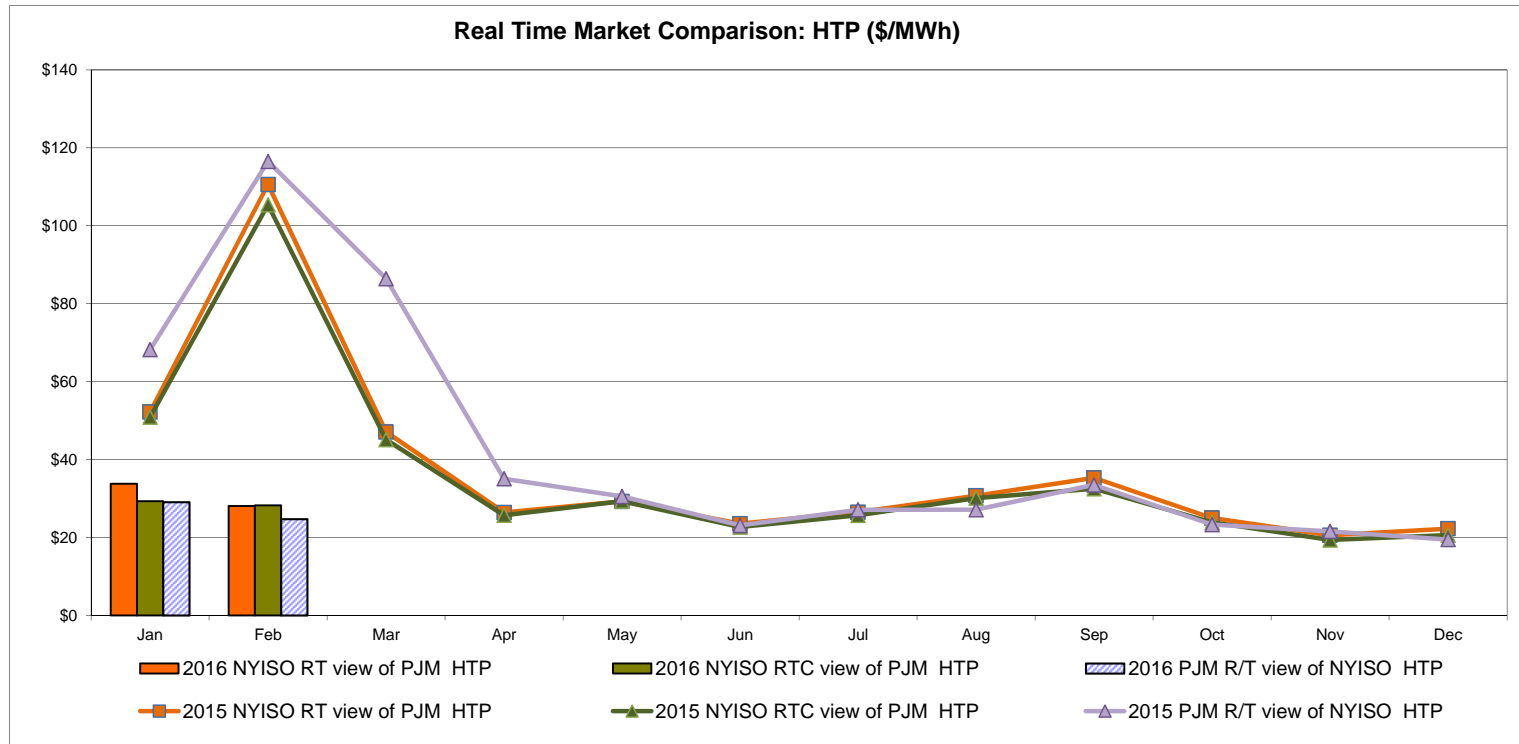
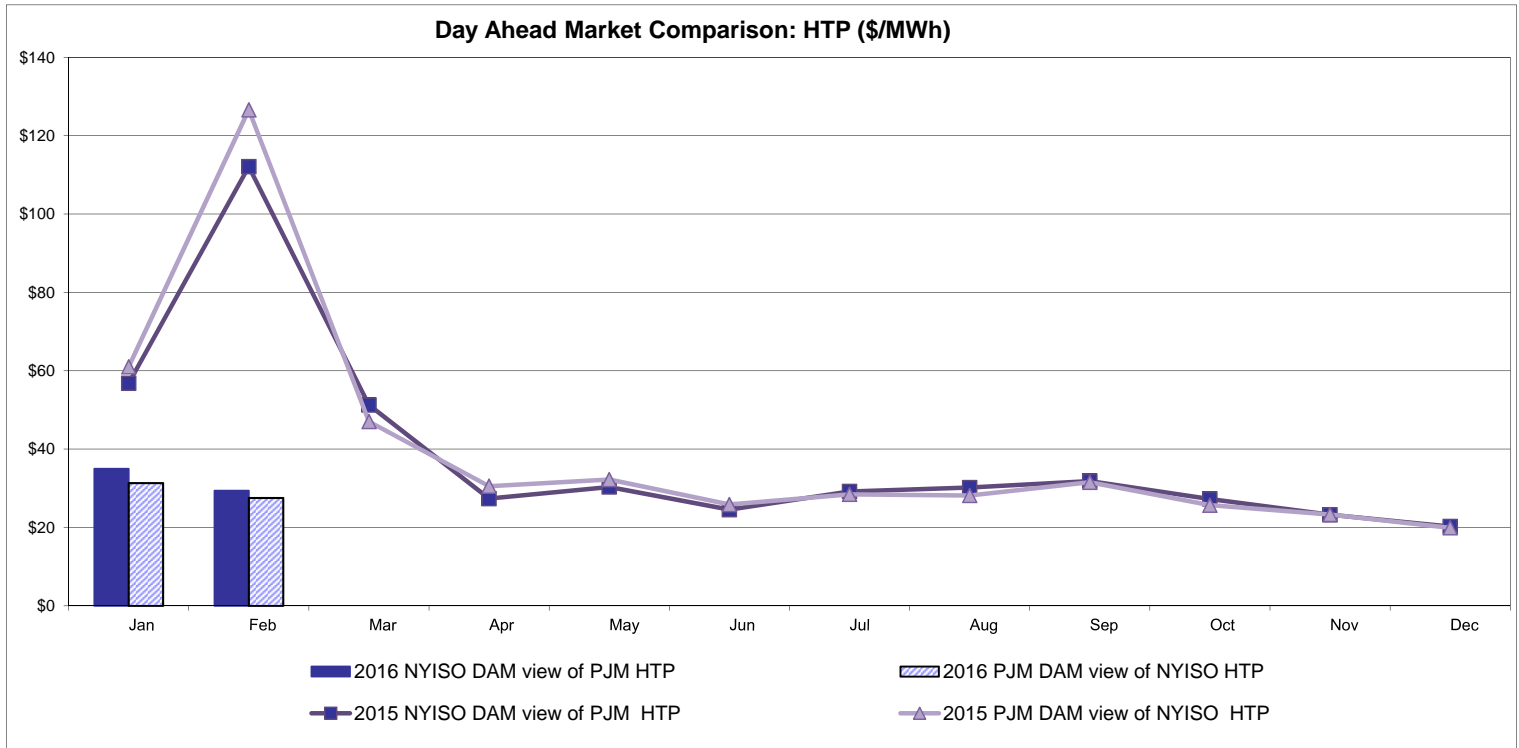


Note:
Hydro-Quebec Prices are unavailable.

External Controllable Line: Linden VFT (PJM)



External Controllable Line: Hudson (PJM)

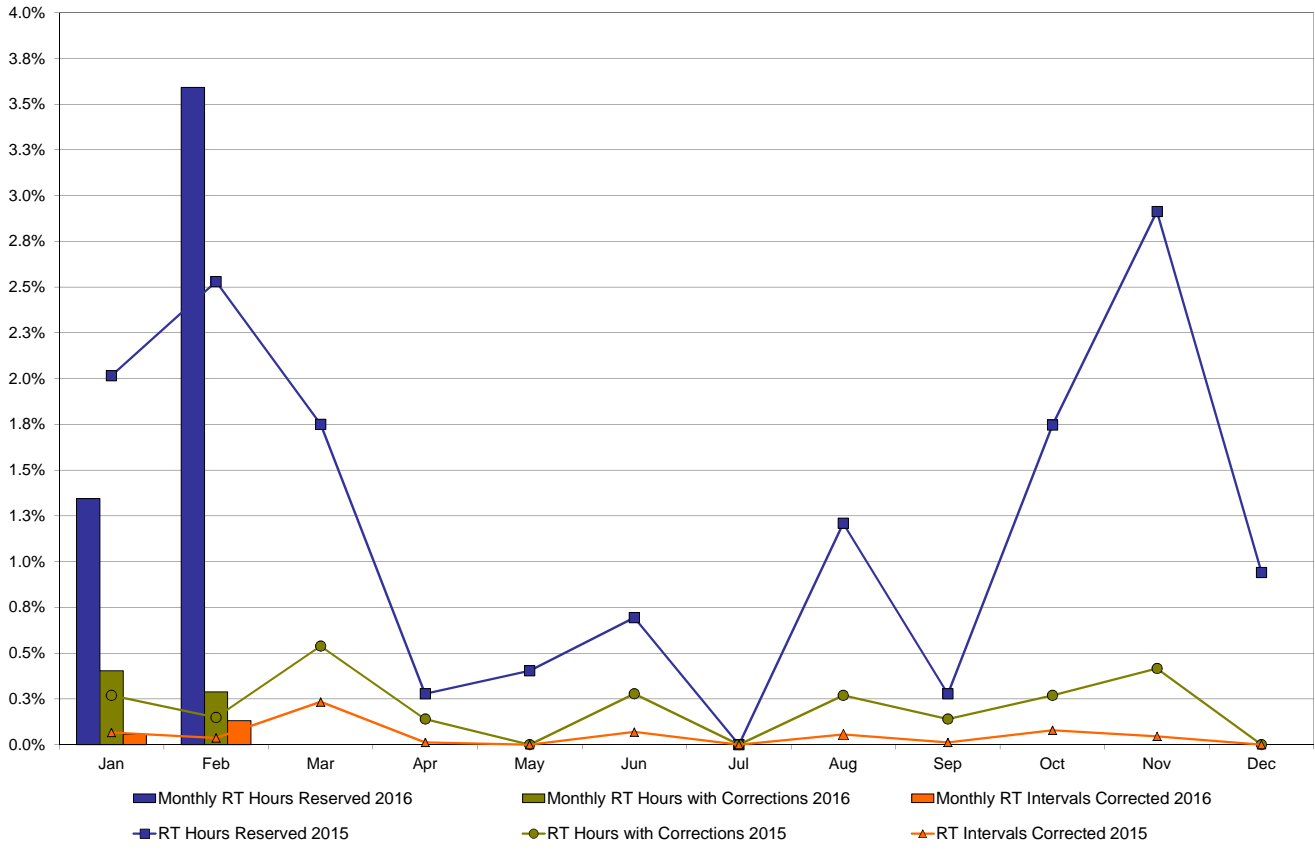


NYISO Real Time Price Correction Statistics

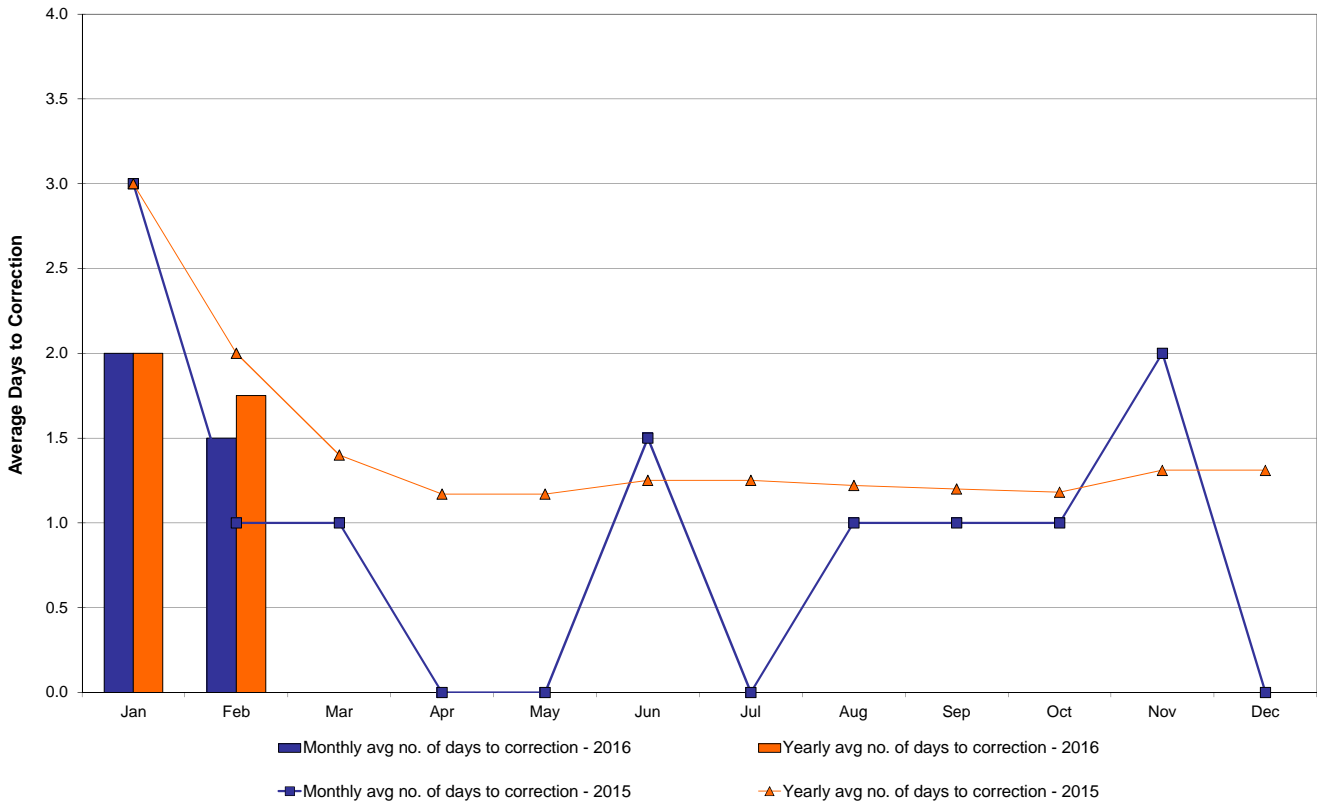
| 2016 | | <u>January</u> | <u>February</u> | <u>March</u> | <u>April</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>August</u> | <u>September</u> | <u>October</u> | <u>November</u> | <u>December</u> |
|-----------------------------------|--------------|----------------|-----------------|--------------|--------------|------------|-------------|-------------|---------------|------------------|----------------|-----------------|-----------------|
| Hour Corrections | | | | | | | | | | | | | |
| Number of hours with corrections | in the month | 3 | 2 | | | | | | | | | | |
| Number of hours | in the month | 744 | 696 | | | | | | | | | | |
| % of hours with corrections | in the month | 0.40% | 0.29% | | | | | | | | | | |
| % of hours with corrections | year-to-date | 0.40% | 0.35% | | | | | | | | | | |
| Interval Corrections | | | | | | | | | | | | | |
| Number of intervals corrected | in the month | 5 | 11 | | | | | | | | | | |
| Number of intervals | in the month | 9,000 | 8,440 | | | | | | | | | | |
| % of intervals corrected | in the month | 0.06% | 0.13% | | | | | | | | | | |
| % of intervals corrected | year-to-date | 0.06% | 0.09% | | | | | | | | | | |
| Hours Reserved | | | | | | | | | | | | | |
| Number of hours reserved | in the month | 10 | 25 | | | | | | | | | | |
| Number of hours | in the month | 744 | 696 | | | | | | | | | | |
| % of hours reserved | in the month | 1.34% | 3.59% | | | | | | | | | | |
| % of hours reserved | year-to-date | 1.34% | 2.43% | | | | | | | | | | |
| Days to Correction * | | | | | | | | | | | | | |
| Avg. number of days to correction | in the month | 2.00 | 1.50 | | | | | | | | | | |
| Avg. number of days to correction | year-to-date | 2.00 | 1.75 | | | | | | | | | | |
| Days Without Corrections | | | | | | | | | | | | | |
| Days without corrections | in the month | 29 | 27 | | | | | | | | | | |
| Days without corrections | year-to-date | 29 | 56 | | | | | | | | | | |
| 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

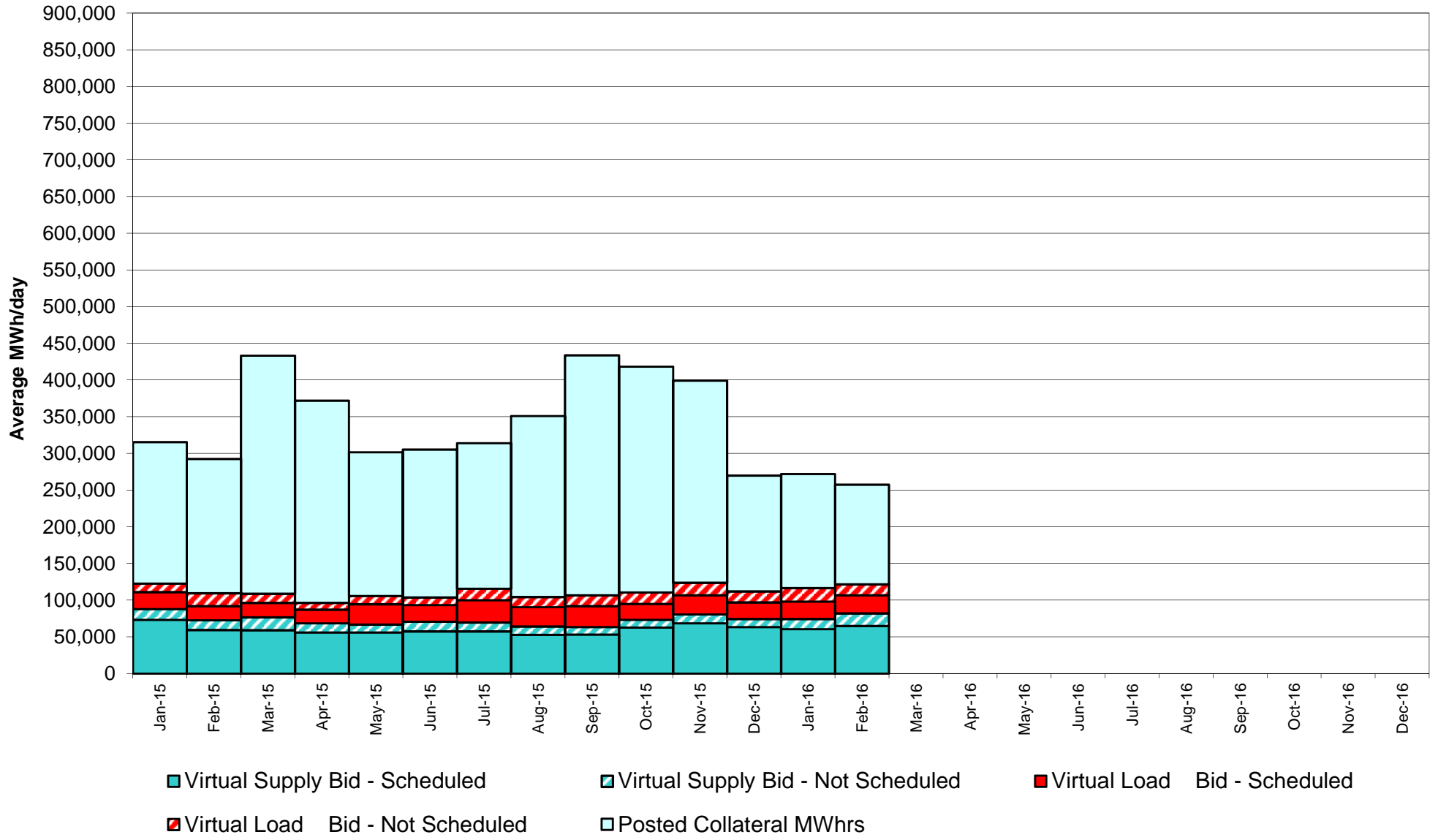


Annual average time period for making Price Corrections (from reservation date) *

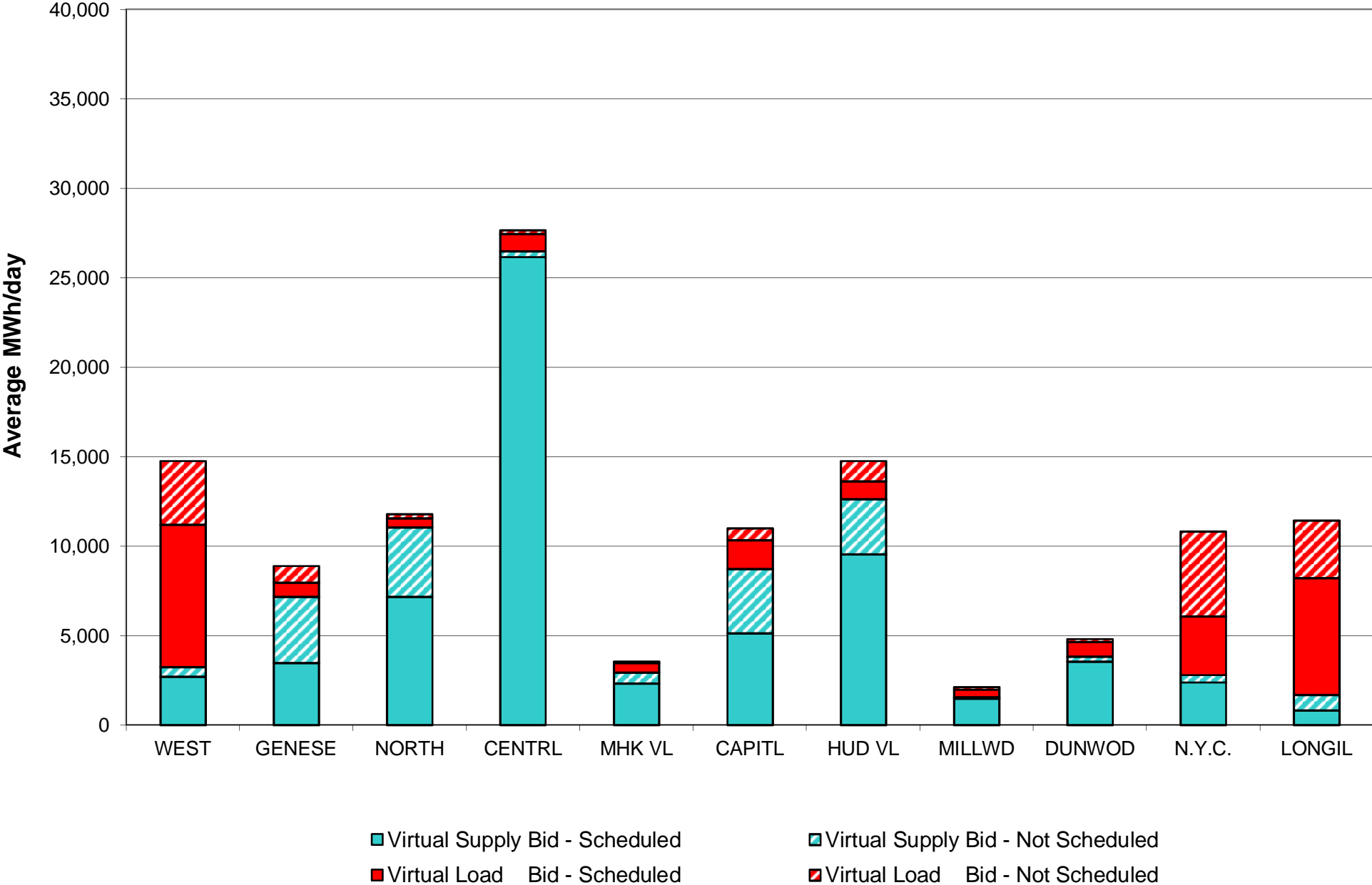


* Calendar days from reservation date.

NYISO Virtual Trading Average MWh per day



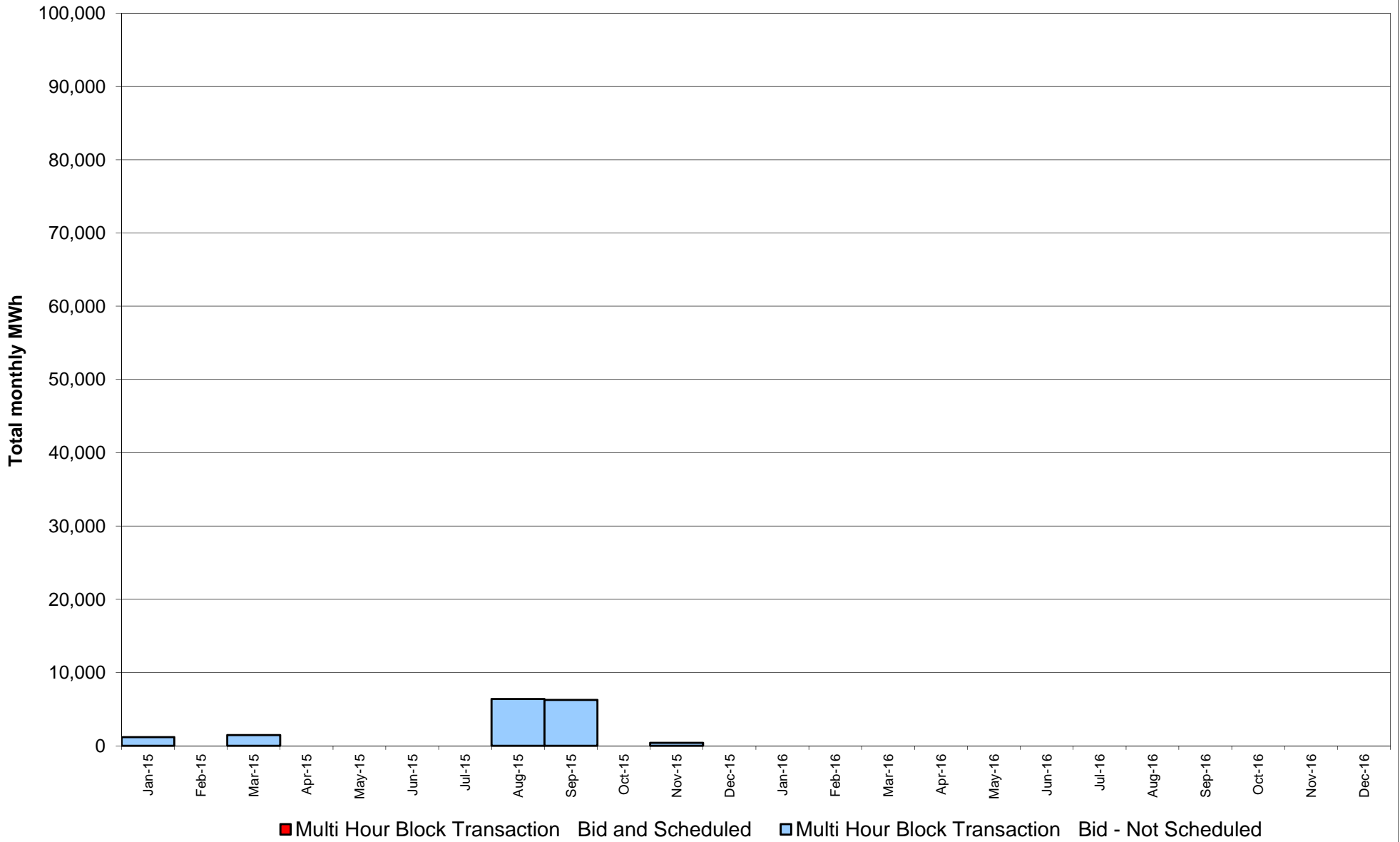
Virtual Load and Supply Zonal Statistics through February 29, 2016



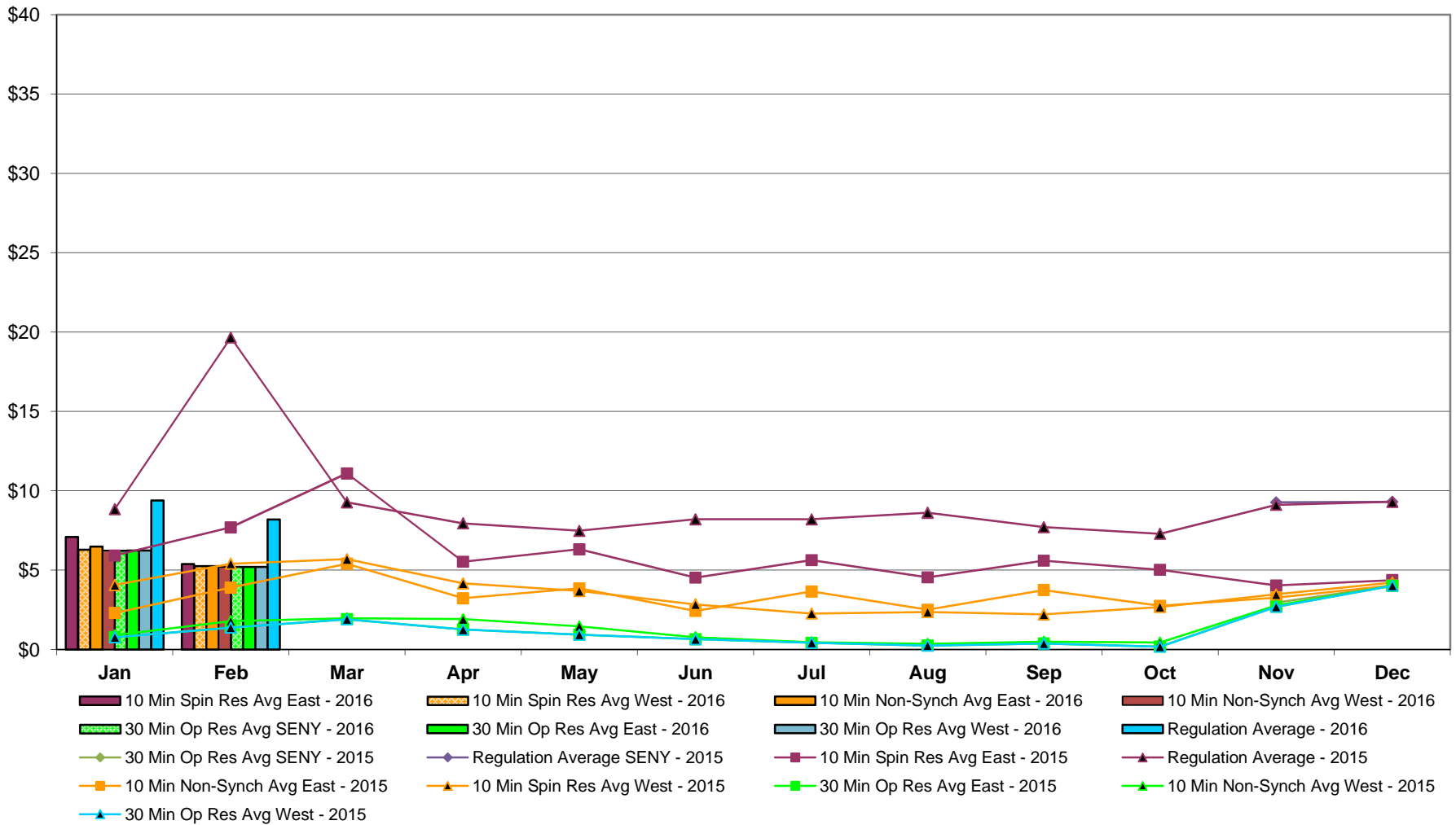
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2016

| | | 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 | | | | | | Mar-16 | | | | | | Mar-16 | | | | | | |
| | 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 | | | | | | Mar-16 | | | | | | Mar-16 | | | | | | |
| | 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 | | | | | | Mar-16 | | | | | | Mar-16 | | | | | | |
| | 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 | | | | | | Mar-16 | | | | | | Mar-16 | | | | | | |
| | 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 | | | | | | |

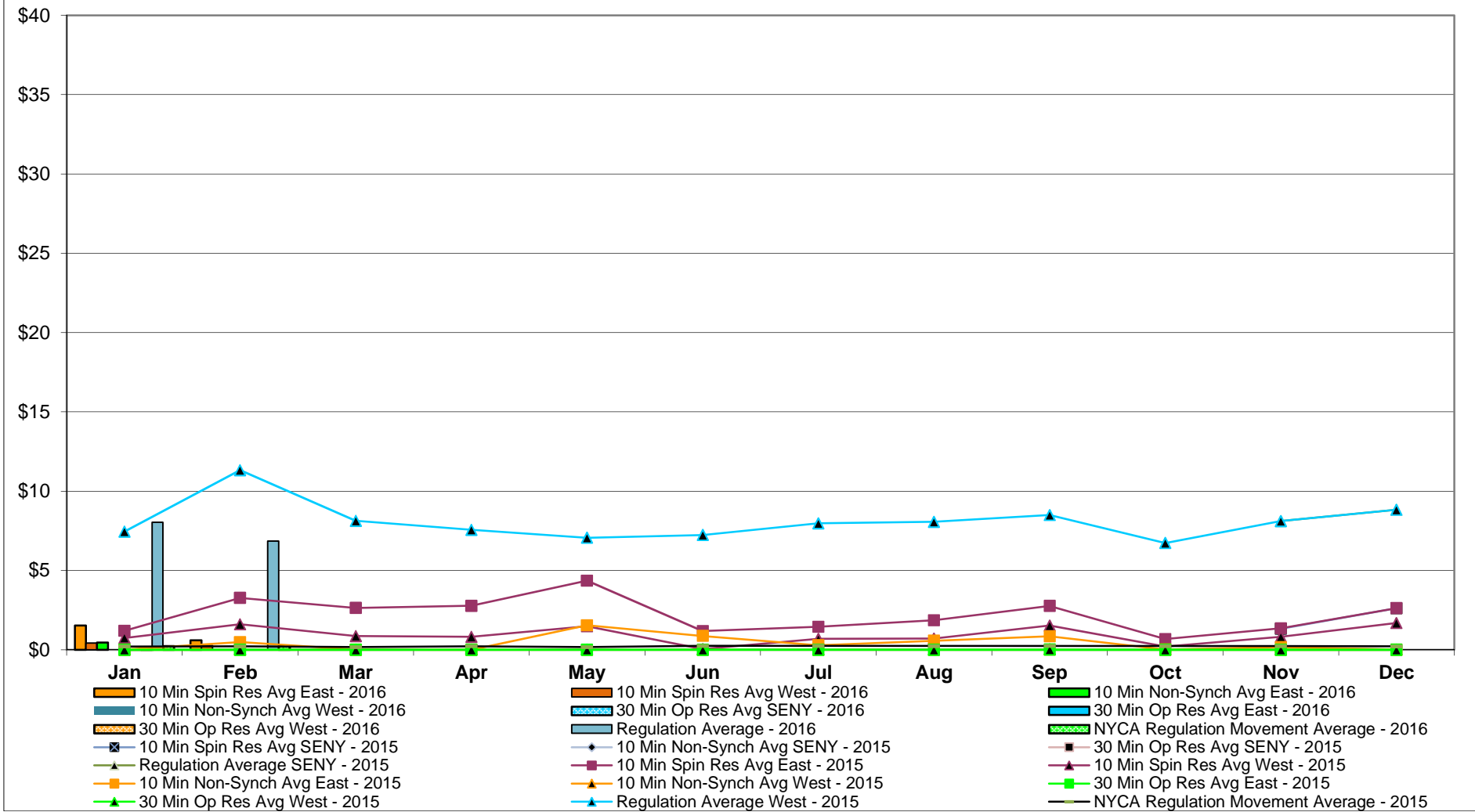
NYISO Multi Hour Block Transactions Monthly Total MWh



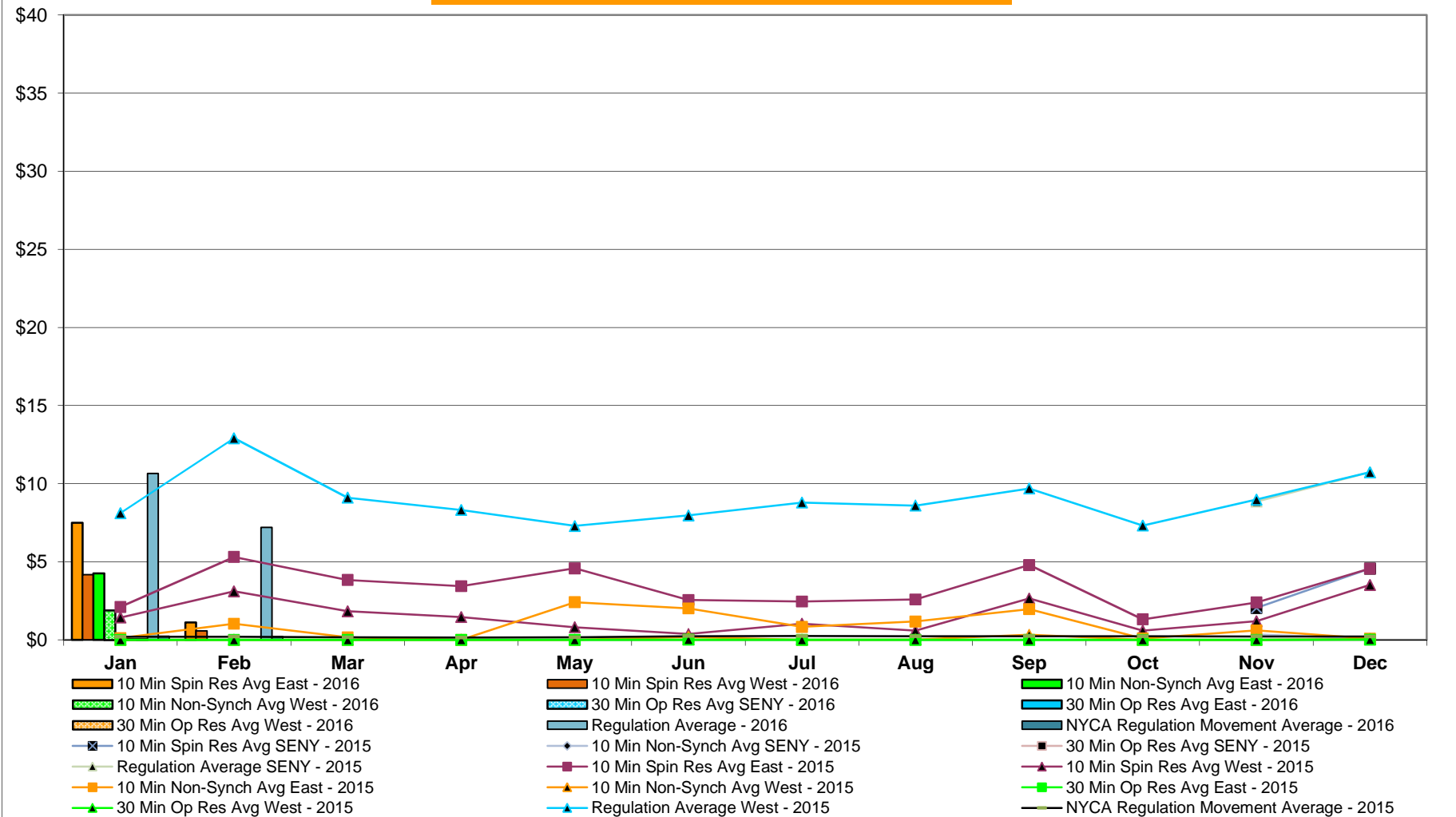
NYISO Monthly Average Ancillary Service Prices Day Ahead Market 2015 - 2016



NYISO Monthly Average Ancillary Service Prices RTC Market 2015 - 2016



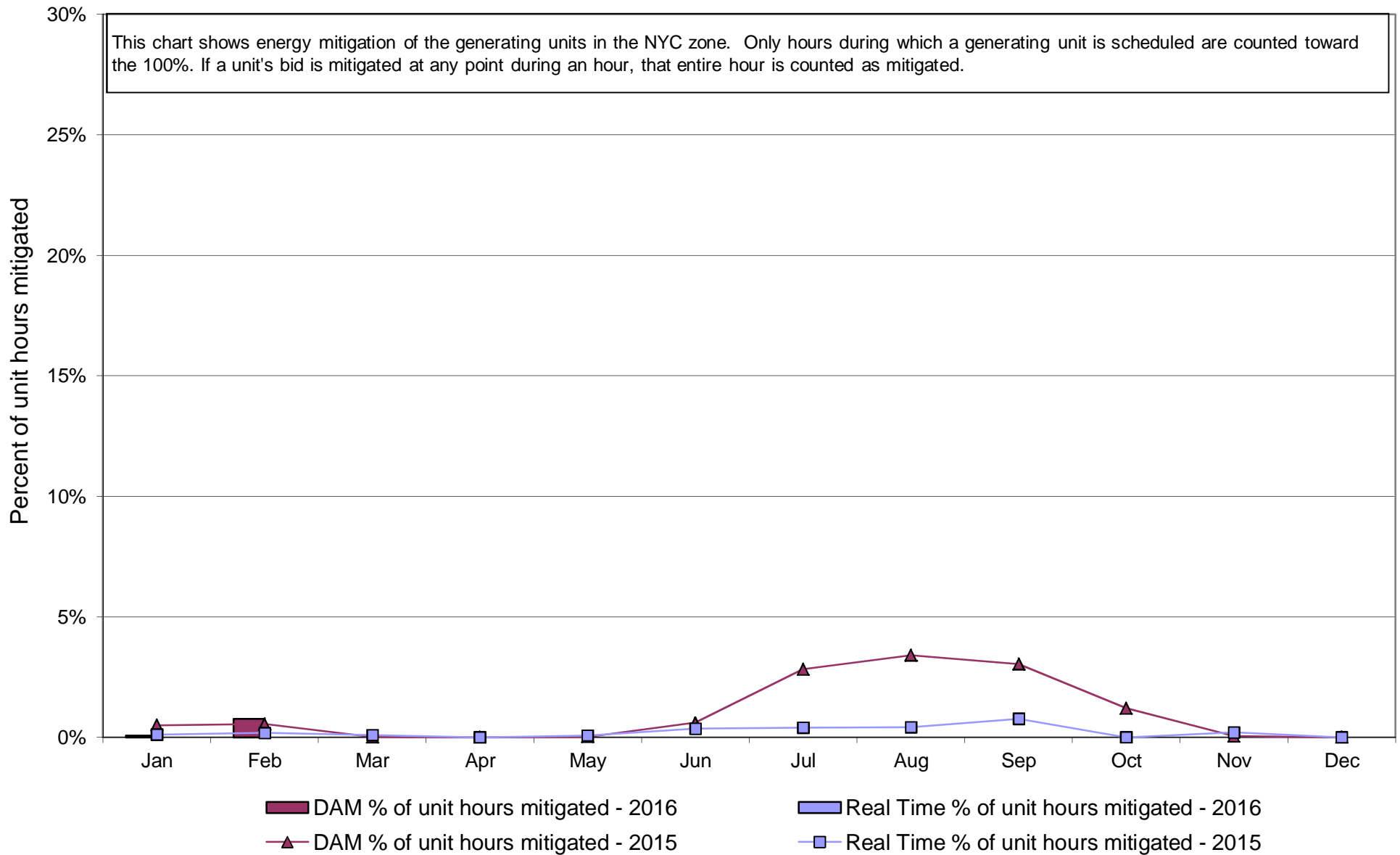
NYISO Monthly Average Ancillary Service Prices Real Time Market 2015 - 2016



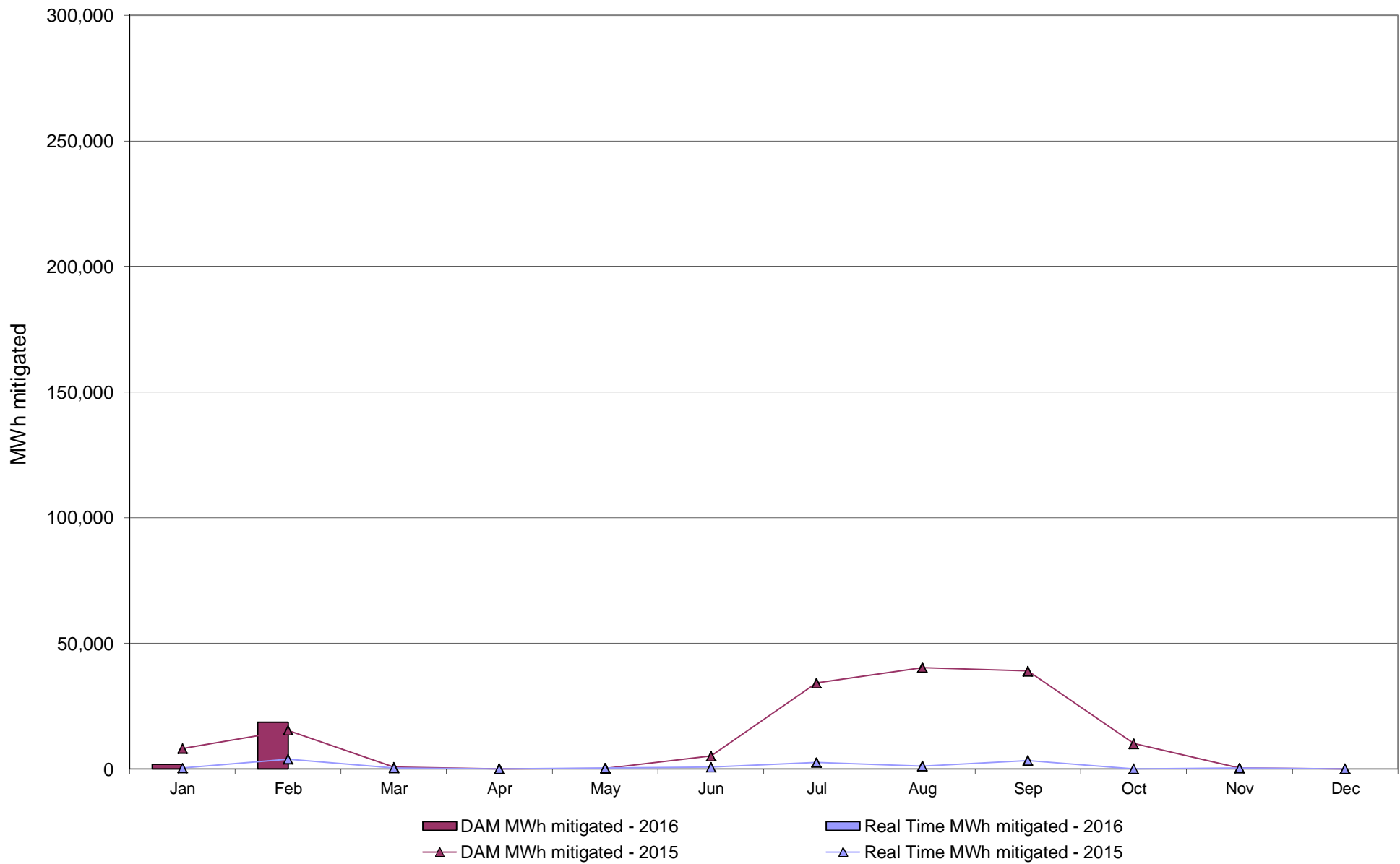
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

| 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> |
|--------------------------------|----------------|-----------------|--------------|--------------|------------|-------------|-------------|---------------|------------------|----------------|-----------------|-----------------|
| <u>Day Ahead Market</u> | | | | | | | | | | | | |
| 10 Min Spin East | 7.09 | 5.38 | | | | | | | | | | |
| 10 Min Spin West | 6.28 | 5.25 | | | | | | | | | | |
| 10 Min Non Synch East | 6.47 | 5.25 | | | | | | | | | | |
| 10 Min Non Synch West | 6.23 | 5.20 | | | | | | | | | | |
| 30 Min SENY | 6.23 | 5.20 | | | | | | | | | | |
| 30 Min East | 6.23 | 5.20 | | | | | | | | | | |
| 30 Min West | 6.23 | 5.20 | | | | | | | | | | |
| Regulation | 9.39 | 8.19 | | | | | | | | | | |
| <u>RTC Market</u> | | | | | | | | | | | | |
| 10 Min Spin East | 1.53 | 0.59 | | | | | | | | | | |
| 10 Min Spin West | 0.42 | 0.26 | | | | | | | | | | |
| 10 Min Non Synch East | 0.45 | 0.00 | | | | | | | | | | |
| 10 Min Non Synch West | 0.04 | 0.00 | | | | | | | | | | |
| 30 Min SENY | 0.01 | 0.00 | | | | | | | | | | |
| 30 Min East | 0.01 | 0.00 | | | | | | | | | | |
| 30 Min West | 0.01 | 0.00 | | | | | | | | | | |
| Regulation | 8.04 | 6.86 | | | | | | | | | | |
| NYCA Regulation Movement | 0.23 | 0.21 | | | | | | | | | | |
| <u>Real Time Market</u> | | | | | | | | | | | | |
| 10 Min Spin East | 7.51 | 1.12 | | | | | | | | | | |
| 10 Min Spin West | 4.17 | 0.58 | | | | | | | | | | |
| 10 Min Non Synch East | 4.26 | 0.00 | | | | | | | | | | |
| 10 Min Non Synch West | 1.89 | 0.00 | | | | | | | | | | |
| 30 Min SENY | 0.06 | 0.00 | | | | | | | | | | |
| 30 Min East | 0.06 | 0.00 | | | | | | | | | | |
| 30 Min West | 0.06 | 0.00 | | | | | | | | | | |
| Regulation | 10.66 | 7.21 | | | | | | | | | | |
| NYCA Regulation Movement | 0.23 | 0.22 | | | | | | | | | | |
| 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> |
| <u>Day Ahead Market</u> | | | | | | | | | | | | |
| 10 Min Spin East | 5.92 | 7.69 | 11.09 | 5.53 | 6.31 | 4.53 | 5.62 | 4.54 | 5.60 | 5.02 | 4.03 | 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 |
| <u>RTC Market</u> | | | | | | | | | | | | |
| 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 |
| <u>Real Time Market</u> | | | | | | | | | | | | |
| 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 |

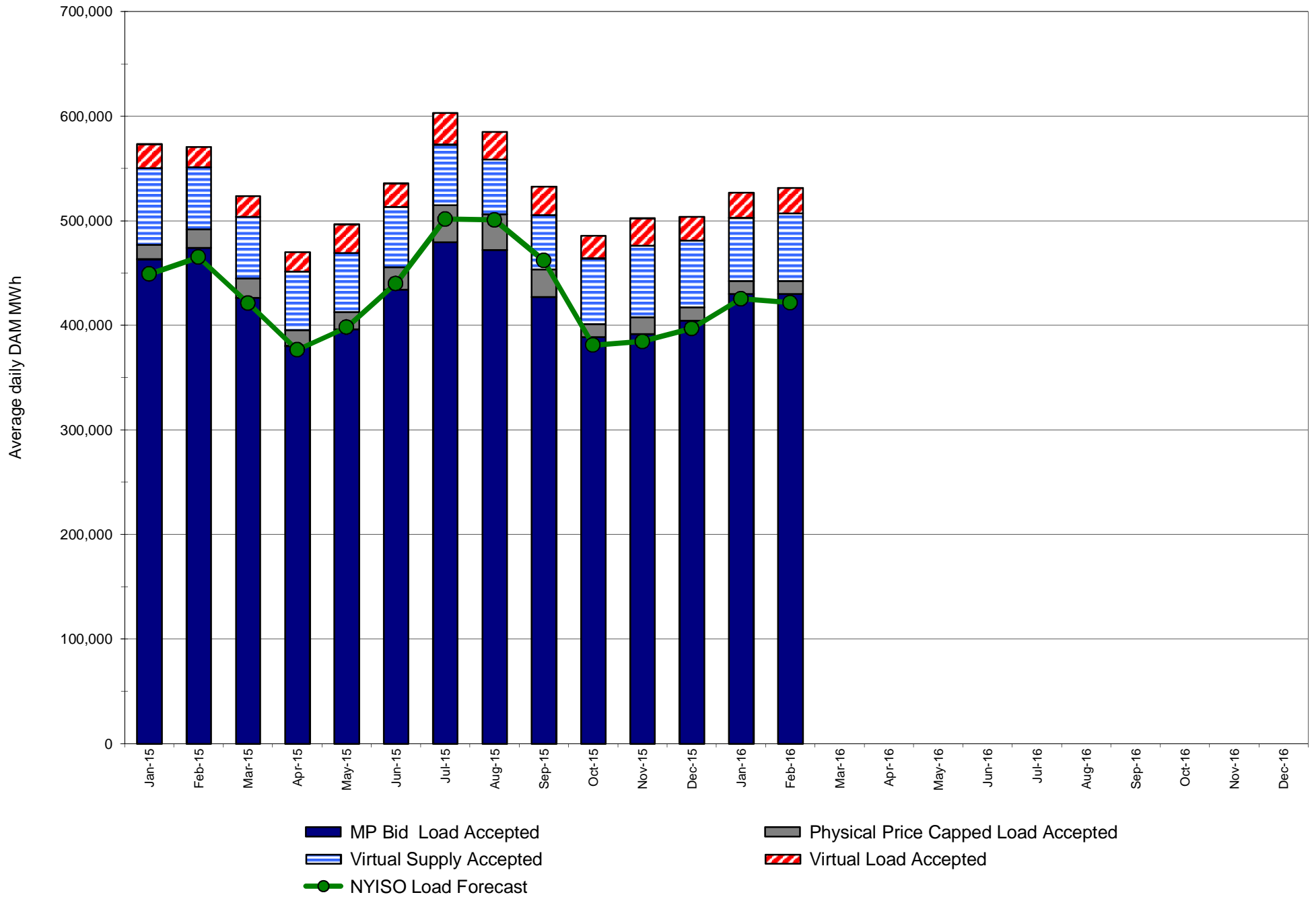
NYISO In City Energy Mitigation - AMP (NYC Zone) 2015 - 2016 Percentage of committed unit-hours mitigated



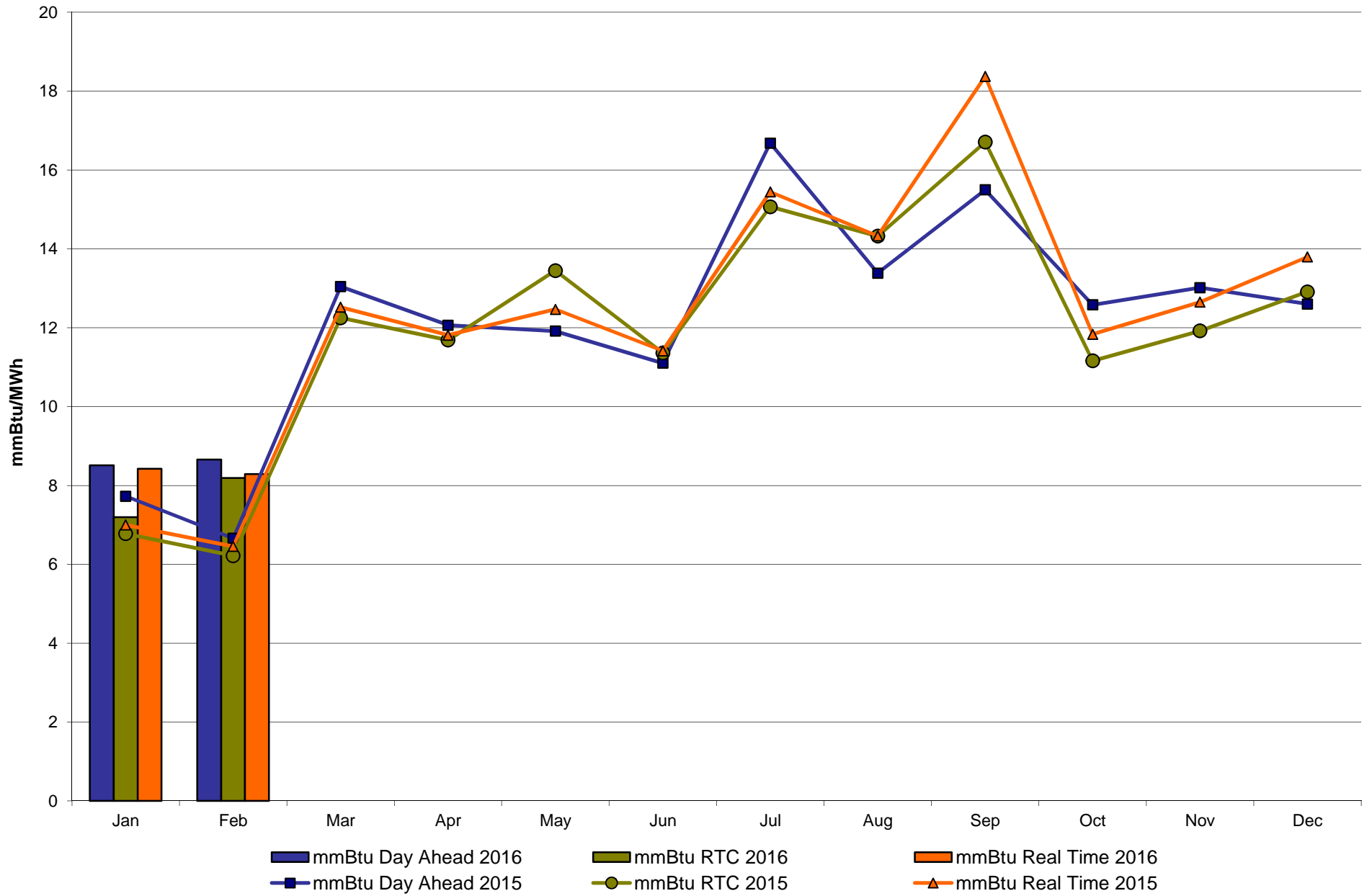
NYISO In City Energy Mitigation (NYC Zone) 2015 - 2016
Monthly megawatt hours mitigated



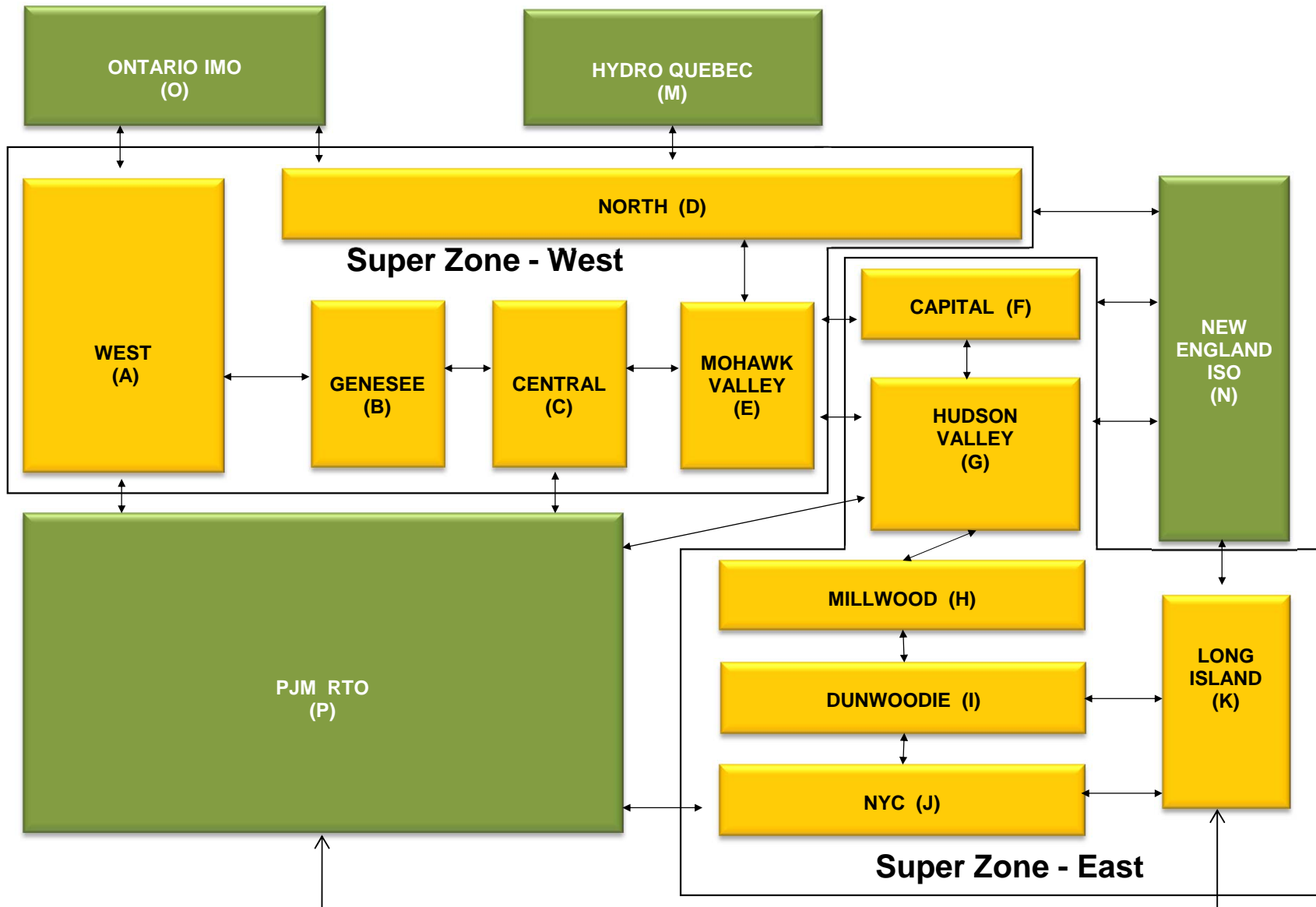
NYISO Average Daily DAM Load Bid Summary



Monthly Implied Heat Rate 2015-2016



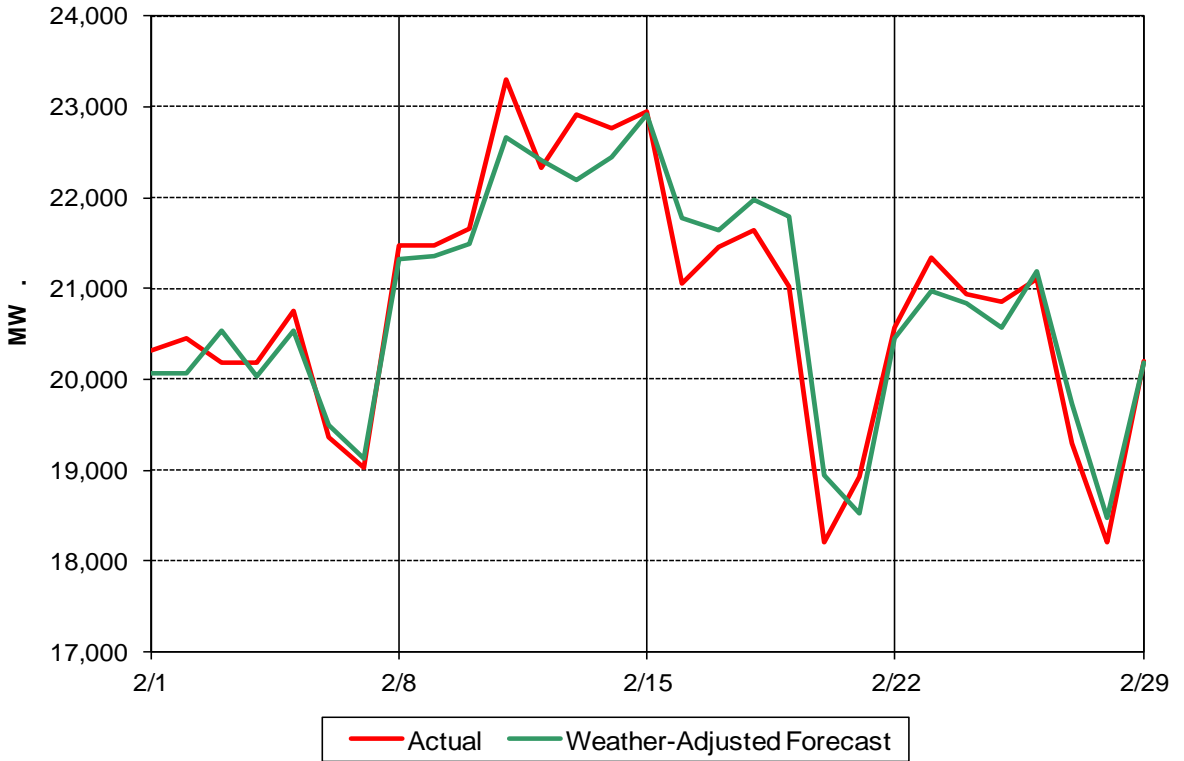
NYISO LBMP ZONES



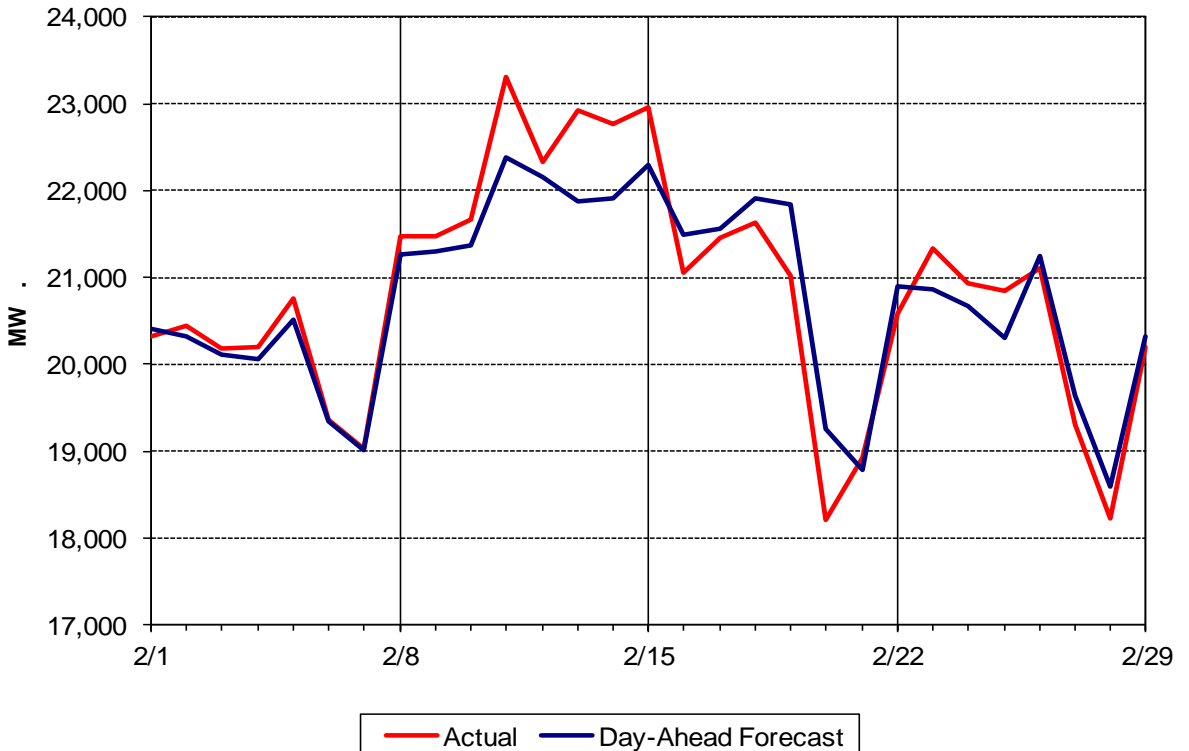
Billing Codes for Chart C

| 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 |

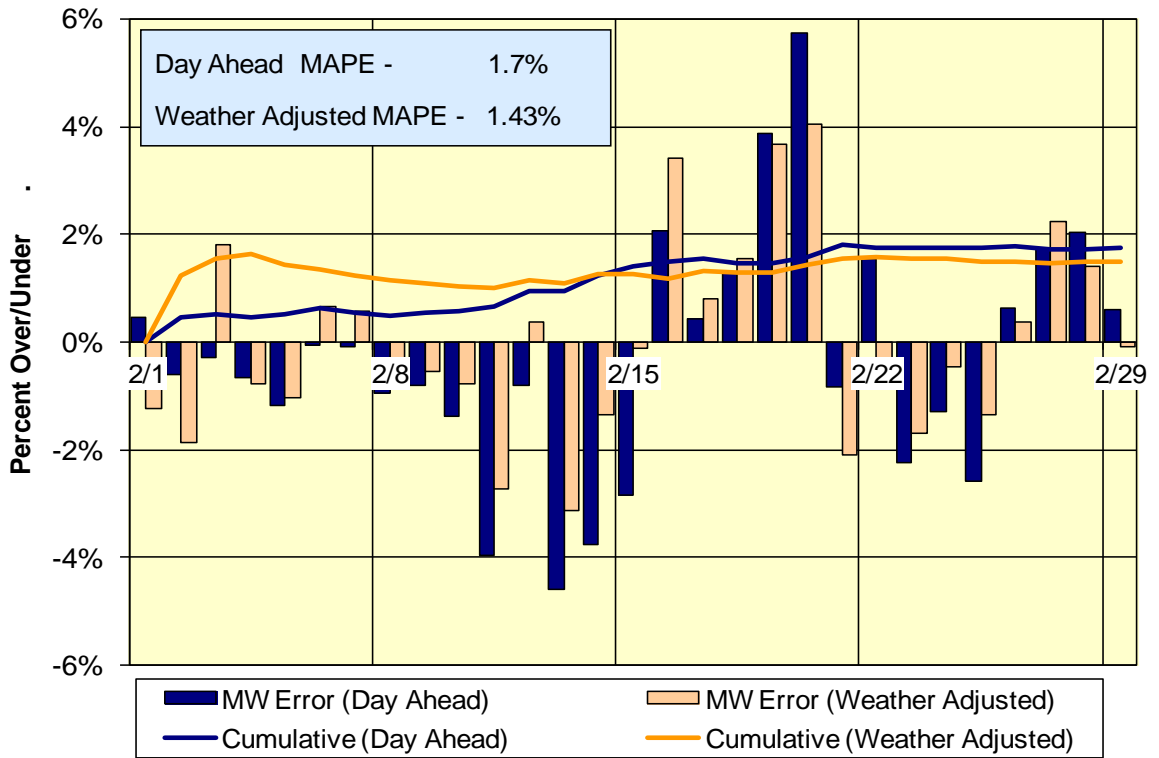
**NYISO Daily Peak Load - February 2016
Actual vs. Weather-Adjusted Forecast**



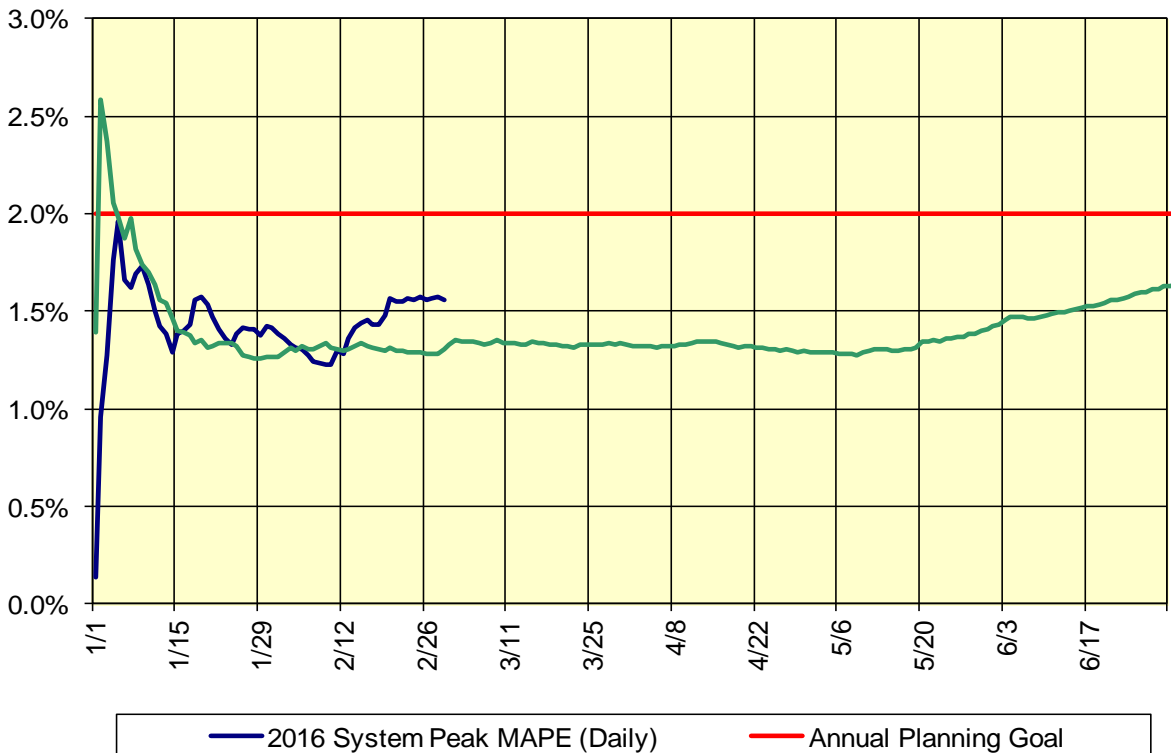
**NYISO Daily Peak Load - February 2016
Actual vs. Forecast**



Day Ahead Peak Forecast - February 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 – February 2016

| Filing Date | Filing Summary | Docket | Order Date | Order Summary |
|--------------------------|---|----------------------------------|------------|---|
| 10/29/2015 01/07/2016 | NYISO filing re: amendments to its market power mitigation measures regarding physical withholding and reflecting fuel costs in reference levels | ER16-168-000 ER16-168-001 | 02/18/2016 | Order accepted filings effective 02/18/2016, as requested but conditioned acceptance upon submission of compliance filing within 30 days (i.e., 03/21/16) |
| 12/01/2015 | NYISO compliance filing re: provide a two week advance notice of the effective date for tariff provisions relating to coordinated transaction scheduling with ISO-New England | ER15-2640-001 | 02/05/2016 | Letter order accepted notice of CTS implementation date effective 12/15/2015, as requested |
| 02/01/2016 | NYISO filing re: comments on the proposed "Cross-State Air Pollution Rule Update for the 2008 Ozone NAAQS" | EPA-HQ-OAR-2015-0500 | | |
| 02/09/2016 | NYISO compliance filing re: remove rejected language from, and insert missing language into, the OATT | ER13-1942-002, <i>et. al.</i> | | |
| 02/11/2016 | NYISO filing on behalf of Niagara Mohawk Power Corp. re: Large Generator Interconnection Agreement (SA No. 2260) between NMPC and Indeck-Corinth | ER16-925-000 | | |
| 02/12/2016 | NYISO confidential filing to the NYPSC re: NYISO's three-month <i>Reliability Commitment Data Report</i> for the period ending 01/31/16 | PSC Matter No. 10-02007 | | |
| 02/12/2016 | NYISO compliance filing on behalf of Niagara Mohawk Power Corp. re: OATT Wholesale Transmission Service Charge revisions | ER14-543-003 | | |
| 02/12/2016 | NYISO filing re: request for an additional extension of the compliance filing deadline concerning revisions to the BSM rules | EL15-64-000 | 02/18/2016 | FERC notice granted the extension request up to and including 03/14/2016 |
| 02/17/2016 | NYISO filing re: compliance filing 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 | | |
| 02/18/2016 | NYISO filing re: revisions to the public policy transmission planning process portion of NYISO's Comprehensive System Planning Process | ER16-966-000 | | |

| | | | | |
|------------|--|----------------------------|--|--|
| 02/19/2016 | NYISO confidential filing to the NYPSC re: Project Tracking Report that charts the current development status of proposed generation and transmission projects | PSC Matter No. 10-02007 | | |
| 02/19/2016 | NYISO and Niagara Mohawk Power Corp. (NMPC) joint filing re: notice of termination (SA 1483) among NYISO, NMPC and Green Power Energy | ER16-975-000 | | |
| 02/22/2016 | NYISO filing on behalf of Niagara Mohawk Power Corp. re: a cost reimbursement agreement (SA 2264) between NMPC and the Oneida Indian Nation | ER16-979-000 | | |
| 02/22/2016 | NYISO filing, on behalf of Consolidated Edison re: an amended and restated facilities agreement (SA 2263) between Con Edison and Central Hudson Gas & Electric Corporation | ER16-981-000 | | |