

Monthly Report

December 2017



Table of Contents

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

Operations Performance Metrics Monthly Report



December 2017 Report

Operations & Reliability Department New York Independent System Operator



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 Performance and Curtailments
- Lake Erie Circulation and ISO Schedules

Broader Regional Market Performance Metrics

- PAR Interconnection Congestion Coordination Monthly Value
- PAR 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



December 2017 Operations Performance Highlights

- Peak load of 24,256 MW occurred on 12/28/2017 HB 17
- All-time winter capability period peak load of 25,738 MW occurred on 1/7/2014 HB 18
- 0 hours of Thunder Storm Alerts were declared
- 0 hours of NERC TLR level 3 curtailment
- The following table identifies the estimated production cost savings associated with the

Broader Regional Market initiatives.

| | Current Month | Year-to-Date |
|---|---------------|--------------|
| | Value (\$M) | Value (\$M) |
| NY Savings from PJM-NY Congestion Coordination | \$3.31 | \$15.93 |
| NY Savings from PJM-NY Coordinated Transaction Scheduling | \$0.18 | (\$0.96) |
| NY Savings from NE-NY Coordinated Transaction Scheduling | (\$0.05) | (\$1.22) |
| Total NY Savings | \$3.44 | \$13.75 |
| | | |
| Regional Savings from PJM-NY Coordinated Transaction Scheduling | \$0.25 | \$3.08 |
| Regional Savings from NE-NY Coordinated Transaction Scheduling | \$0.01 | \$1.04 |
| Total Regional Savings | \$0.26 | \$4.12 |

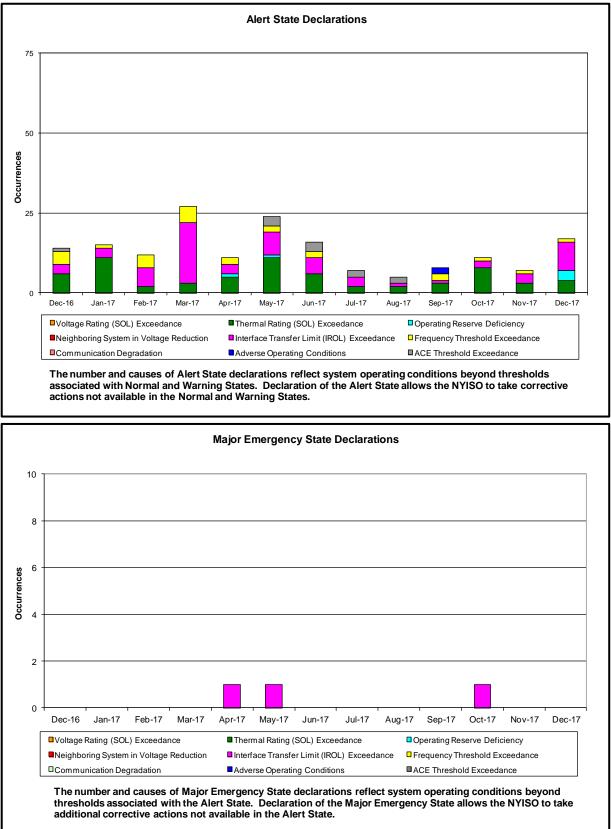
- Statewide uplift cost monthly average was (\$0.78)/MWh
- The following table identifies the Monthly ICAP Spot Market prices and the price delta.

| Spot Auction Price Results | NYCA | Lower Hudson Valley Zones | New York City Zone | Long Island Zone |
|----------------------------|--------|---------------------------|--------------------|------------------|
| January 2018 Spot Price | \$0.44 | \$3.19 | \$3.19 | \$0.70 |
| December 2017 Spot Price | \$0.25 | \$3.38 | \$3.38 | \$0.68 |
| Delta | \$0.19 | (\$0.19) | (\$0.19) | \$0.02 |

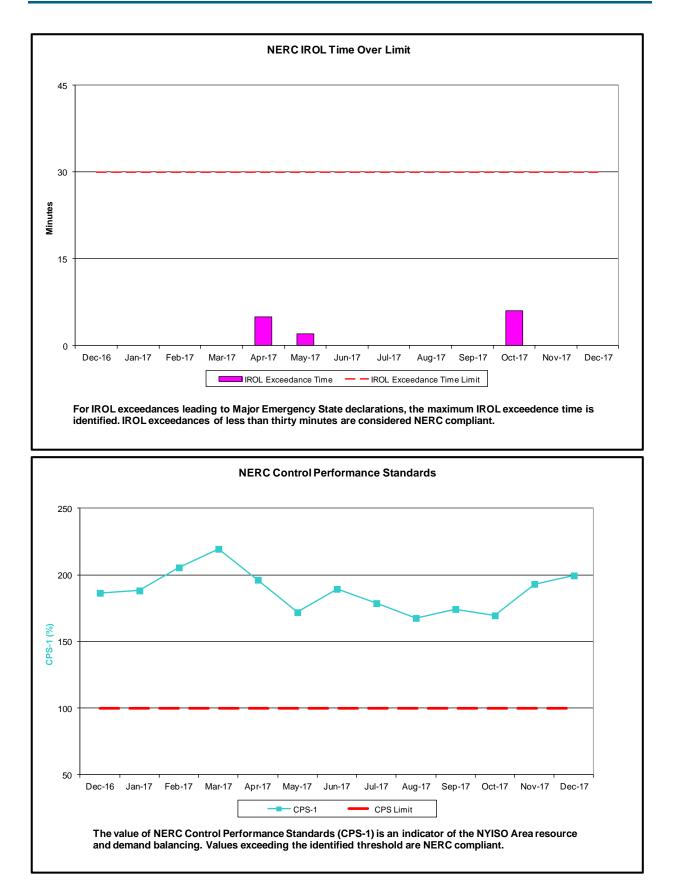
- NYC Price decrease by \$0.19 due to decreases in unoffered capacity
- GHIJ Price decrease by \$0.19 due to decreases in unoffered capacity
- NYCA Price increase by \$0.19 due to changes in unoffered capacity, imports, and exports.



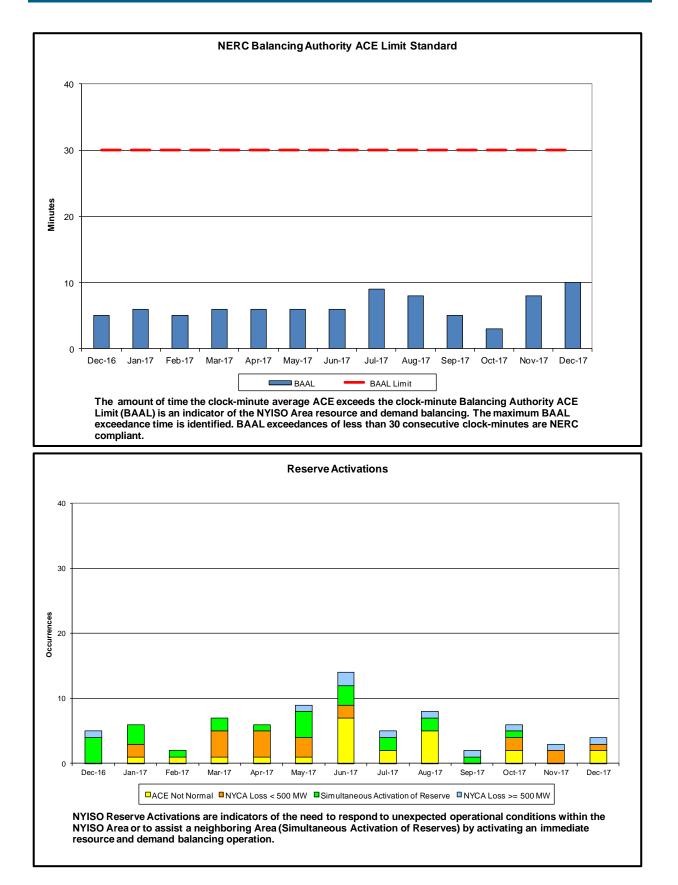
• Reliability Performance Metrics



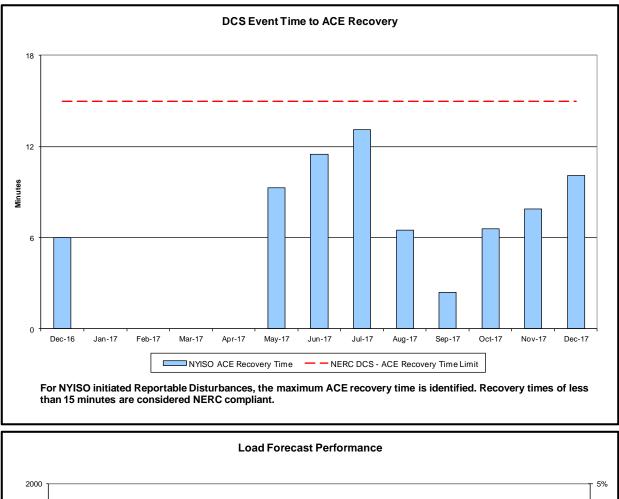


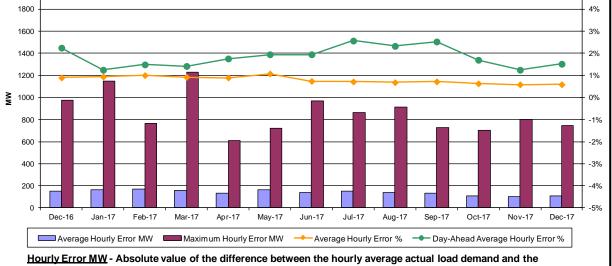








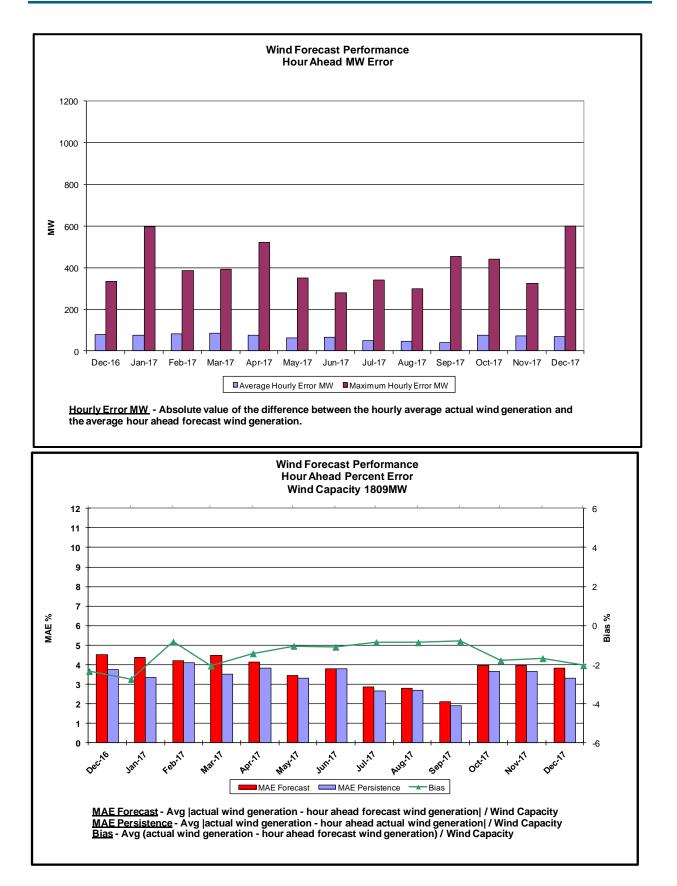




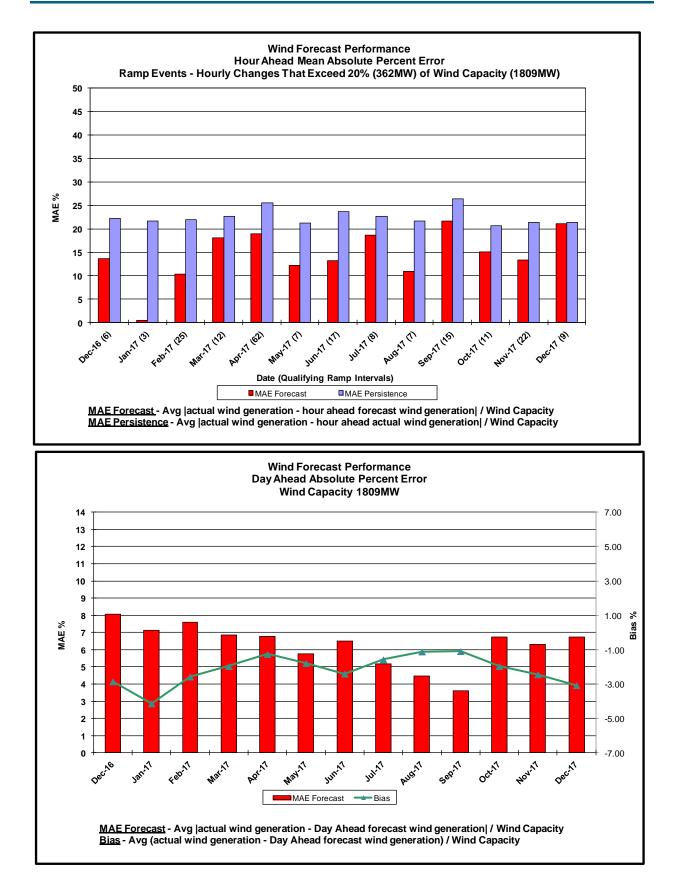
average hour ahead forecast load demand. <u>Average Hourly Error %</u> - Average value of the ratio of hourly average error magnitude to hourly average actual load demand.

Day-Ahead Average Hourly Error % - Average across all hours of the month of the absolute value of the difference between actual load demand and the Day-Ahead forecast load demand, divided by the actual load demand.

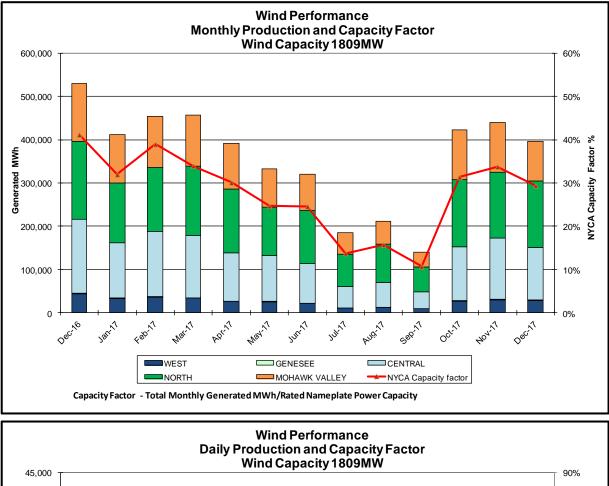


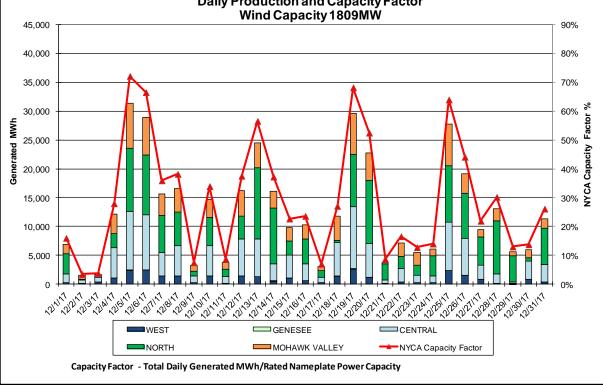




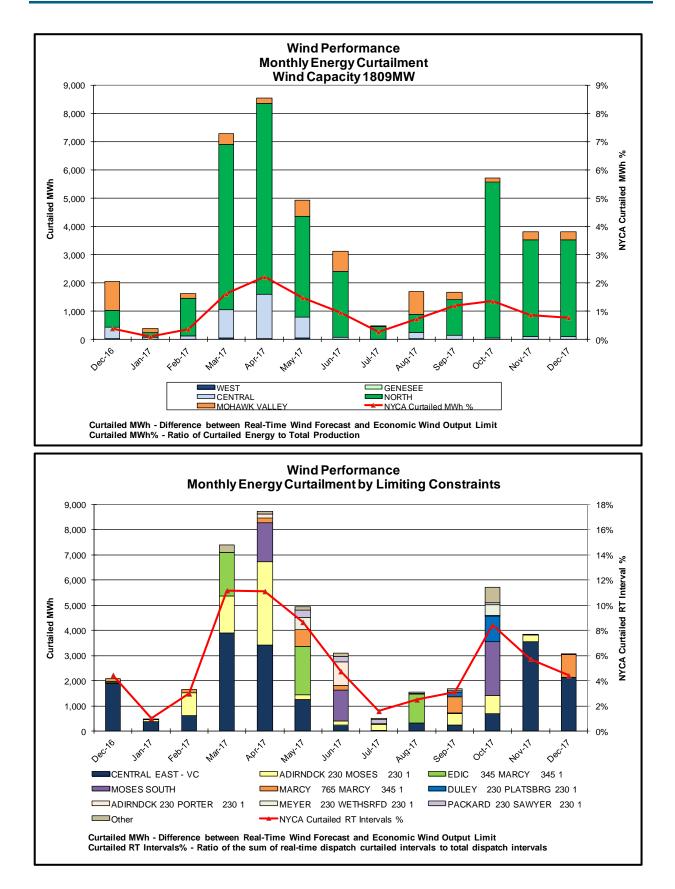




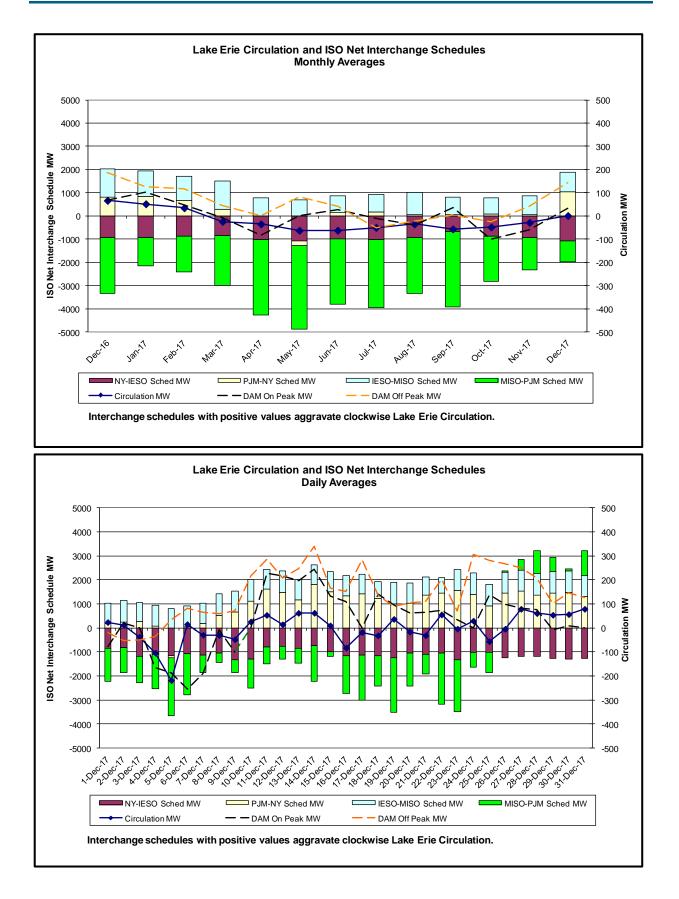




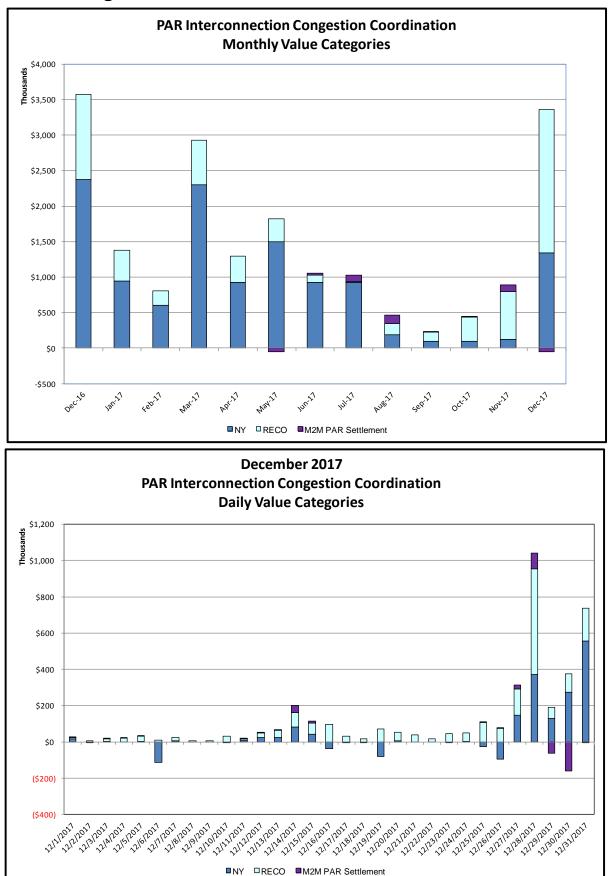










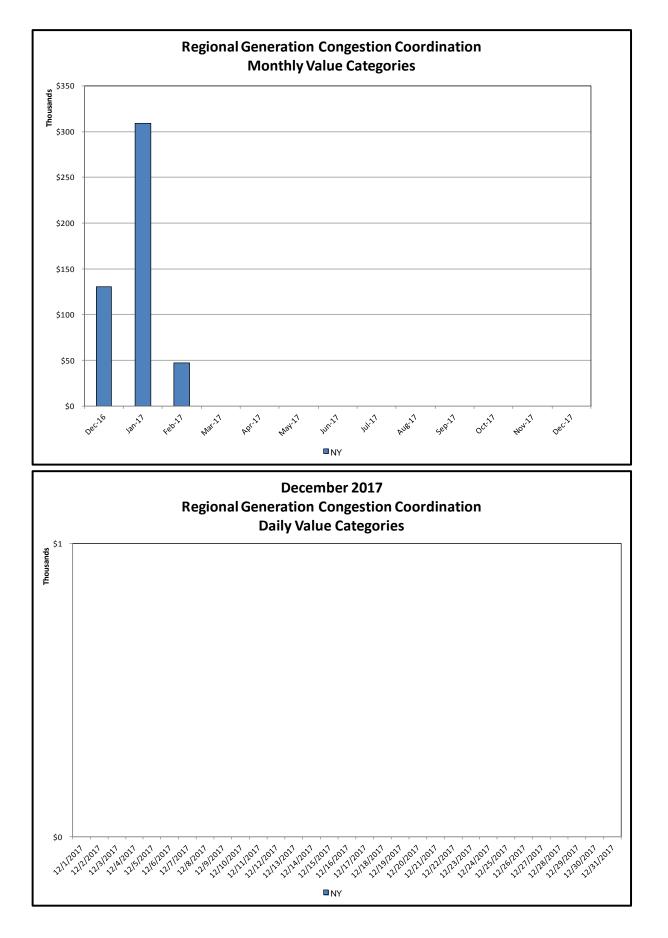


Broader Regional Market Performance Metrics



PAR Interconnection Congestion Coordination Category Description NY Represents the value NY realizes from Market-to-Market PAR Coordination when experiencing congestion. This is the estimated savings to NY for additional deliveries into NY RECO Represents the value of PJM's obligation to deliver 80% of service to RECO load over Ramapo 5018. This is the estimated reduction in NYCA congestion due to the PJM delivery of RECO over Ramapo 5018. M2M PAR Settlement Market-to-Market PAR Coordination settlement on coordinated flowgates. Through April 2017 this value was included in the NY and RECO categories. The positive sign convention indicates settlement to NY while the negative indicates settlement to PJM.







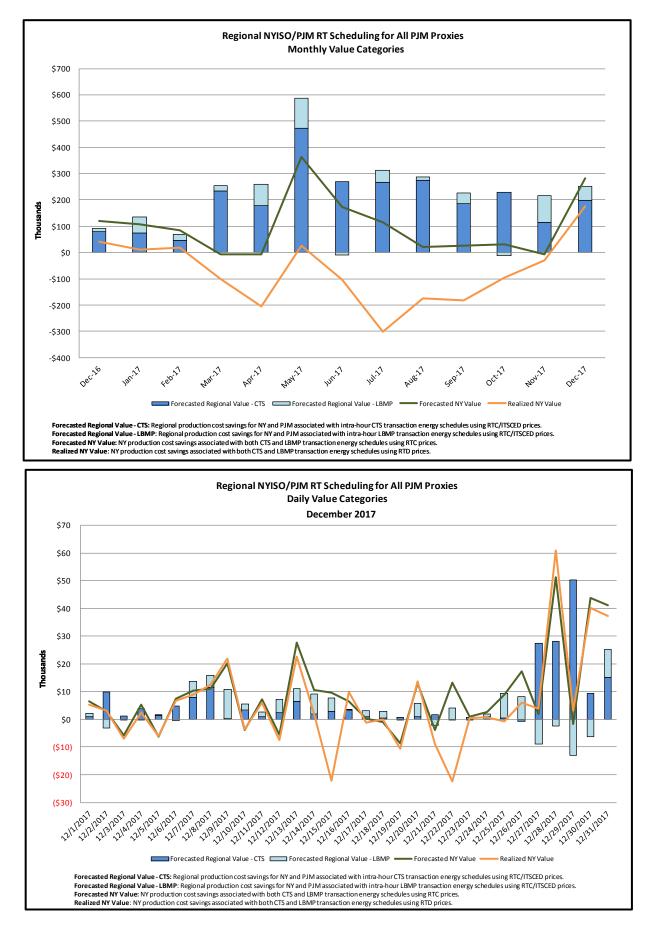
Regional Generation Congestion Coordination

<u>Category</u> NY

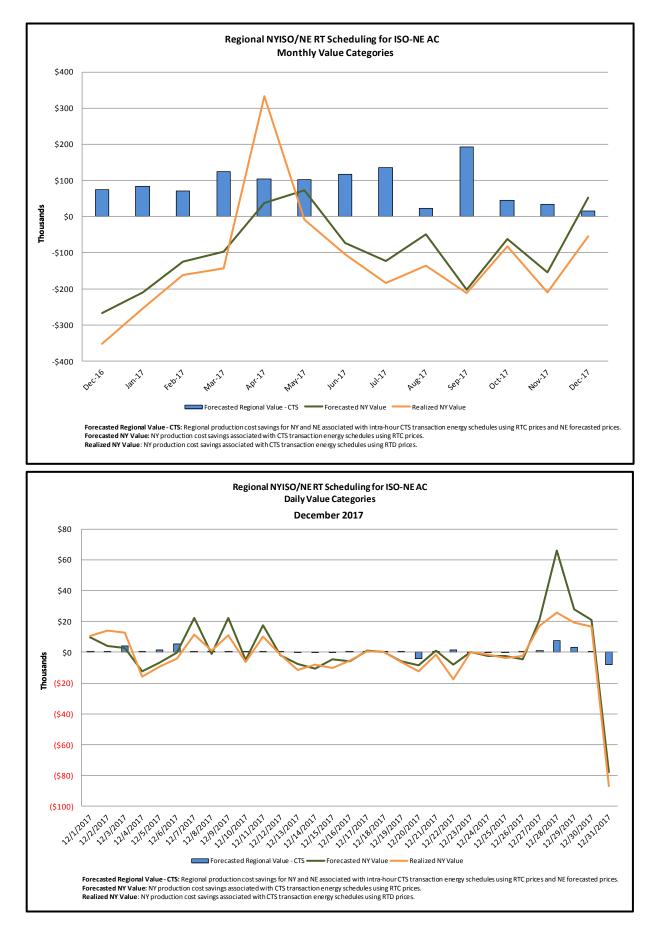
Description

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



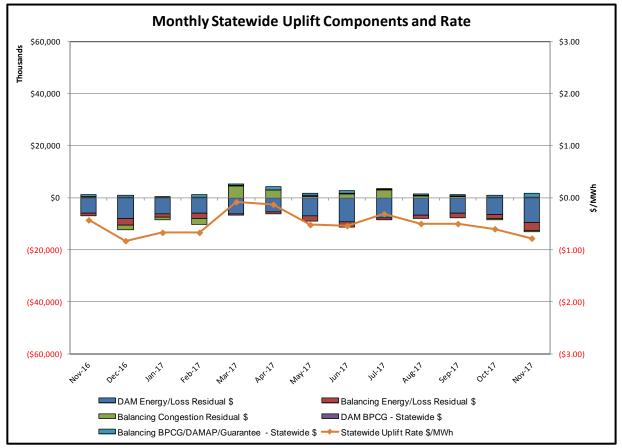




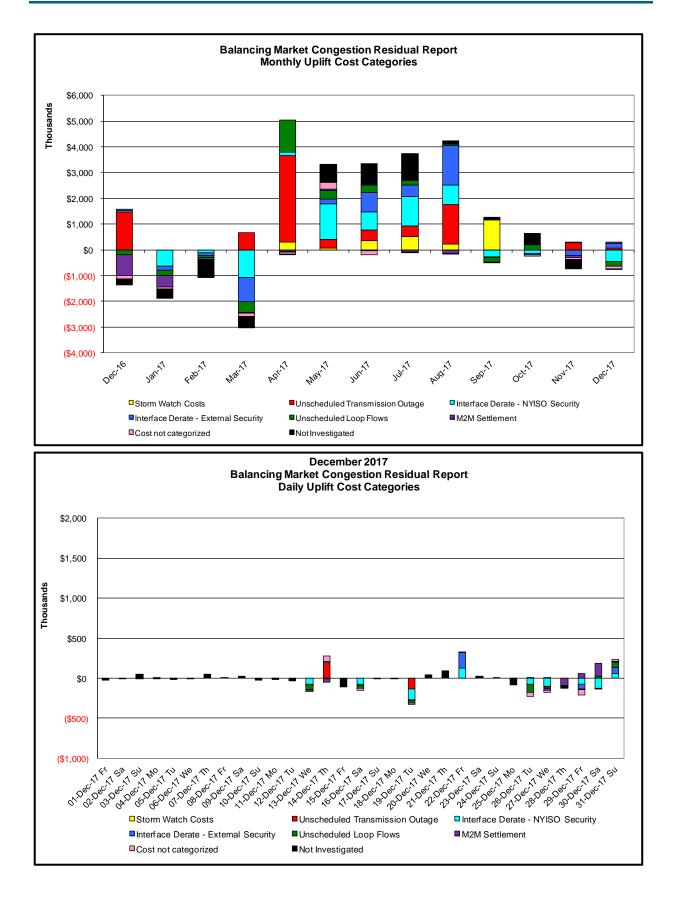




Market Performance Metrics









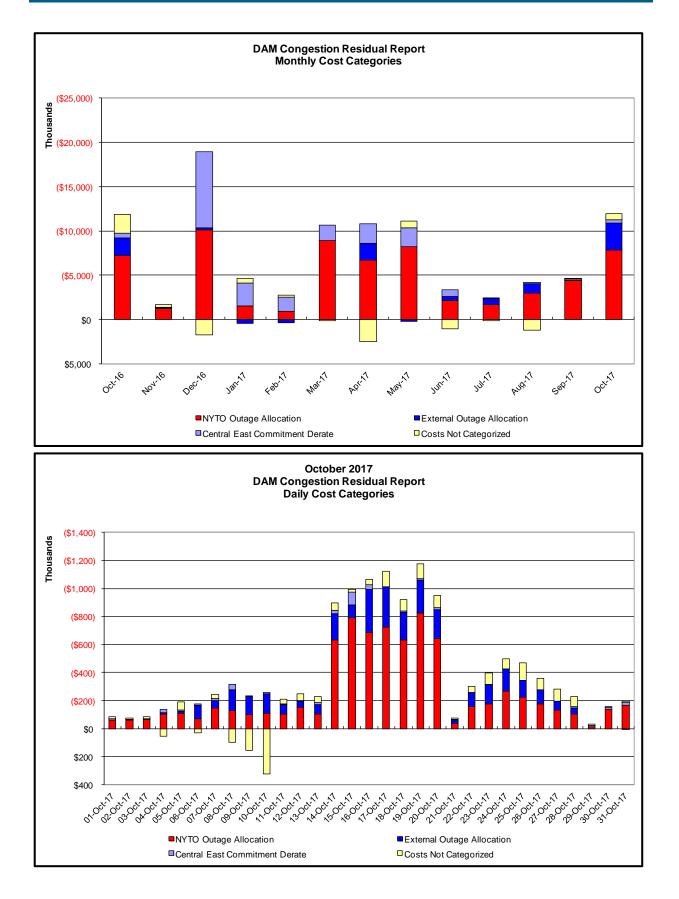
| ent | Date (yyyymmdd) | r:,13,14,16,19,22,26,27, Hours | Description | | | | | |
|-----|--------------------------|-----------------------------------|---|--|--|--|--|--|
| ent | 12/13/2017 | | Uprate Central East | | | | | |
| | 12/13/2017 | | Uprate East 179th Street - Heligate 138kV (#15055) | | | | | |
| | 12/13/2017 | | Derate Gowanus-Greenwood 138kV (#42231) for TWR:GOETHALS 22 & 21 | | | | | |
| | | | Derate Athens-Pleasant Valley 345kV (#91) for TWR:UCC2-41&FCC-33 | | | | | |
| | 12/13/2017 | | | | | | | |
| | 12/13/2017 | | HQ_CHAT Active DNI Ramp Limit | | | | | |
| | 12/13/2017 | | Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Athens-Pleasant Valley | | | | | |
| | 12/14/2017 | | Forced Outage of Freeport-Newbridge 138kV (#461) | | | | | |
| | 12/14/2017 | | NYCA DNI Ramp Limit | | | | | |
| | 12/14/2017 | | Jprate East 179th Street - Heligate 138kV (#15055) | | | | | |
| | 12/14/2017 | | Derate Athens-Pleasant Valley 345kV (#91) for TWR:UCC2-41&FCC-33 | | | | | |
| | 12/14/2017 | | Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East | | | | | |
| | 12/16/2017 | | Uprate Central East | | | | | |
| | 12/16/2017 | 9,13,14,16 | NE_AC-NY Scheduling Limit | | | | | |
| | 12/16/2017 | 5 | NE_AC Active DNI Ramp Limit | | | | | |
| | 12/16/2017 | 2-5,7,13-16 | Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East | | | | | |
| | 12/19/2017 | | Early return to service of Marion-Farragut 345kV (#C3403) | | | | | |
| | 12/19/2017 | | Uprate Central East | | | | | |
| | 12/19/2017 | | NE_AC-NY Scheduling Limit | | | | | |
| | 12/19/2017 | | NE_AC Active DNI Ramp Limit | | | | | |
| | 12/19/2017 | | Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East | | | | | |
| | 12/22/2017 | | NYCA DNI Ramp Limit | | | | | |
| | 12/22/2017 | | HQ_Cedars-NY Scheduling Limit | | | | | |
| | 12/22/2017 | | HQ CHAT-NY Scheduling Limit | | | | | |
| | 12/22/2017 | | HQ_CHAT Active DNI Ramp Limit | | | | | |
| | 12/22/2017 | | PJM_AC-NY Scheduling Limit | | | | | |
| | 12/22/2017 | | PJM_AC Active DNI Ramp Limit | | | | | |
| | | | NE_AC Active DNI Ramp Limit | | | | | |
| | 12/22/2017 | | | | | | | |
| | 12/26/2017 | | Uprate Central East | | | | | |
| | 12/26/2017 | | HQ_CHAT-NY Scheduling Limit | | | | | |
| | 12/26/2017 | | PJM_AC-NY Scheduling Limit | | | | | |
| | 12/26/2017 | | Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East | | | | | |
| | 12/27/2017 | | Forced outage of Marion-Farragut 345kV (#C3403) | | | | | |
| | 12/27/2017 | 7,11,13-15,19-21,23 | | | | | | |
| | 12/27/2017 | | Uprate East 179th Street-Hellgate 138kV (#15055) | | | | | |
| | 12/27/2017 | | NYCA DNI Ramp Limit | | | | | |
| | 12/27/2017 | | Derate Central East | | | | | |
| | 12/27/2017 | | IESO-NY Scheduling Limit | | | | | |
| | 12/27/2017 | | IESO Active DNI Ramp Limit | | | | | |
| | 12/27/2017 | | NE-NY Scheduling Limit | | | | | |
| | 12/27/2017 | | PJM_AC-NY Scheduling Limit | | | | | |
| | 12/27/2017 | | Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East | | | | | |
| | 12/29/2017 | | Uprate Central East | | | | | |
| | 12/29/2017 | | NE_AC-NY Scheduling Limit | | | | | |
| | 12/29/2017 | 23 | NE_AC Active DNI Ramp Limit | | | | | |
| | 12/29/2017 | 8,10-12 | PJM_AC-NY Scheduling Limit | | | | | |
| | 12/29/2017 | | Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East | | | | | |
| | | 0,7,10-12,15,16,18-21 | | | | | | |
| | 12/30/2017 | | HQ_CHAT-NY Scheduling Limit | | | | | |
| | 12/30/2017 | | NE-NY Scheduling Limit | | | | | |
| | 12/30/2017 | | PJM_AC-NY Scheduling Limit | | | | | |
| | 12/30/2017 | | Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East | | | | | |
| | 12/31/2017 | | Uprate Central East | | | | | |
| | 12/31/2017 | | Derate Central East | | | | | |
| | 12/31/2017 | | NYCA DNI Ramp Limit | | | | | |
| | 12/31/2017 | | NE_AC DNI Ramp Limit | | | | | |
| | | | NE-NY Scheduling Limit | | | | | |
| | 12/31/2017 12/31/2017 | | Lake Erie Circulation, DAM-RTM exceeds +/-125MW; Central East | | | | | |
| | | | | | | | | |



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

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

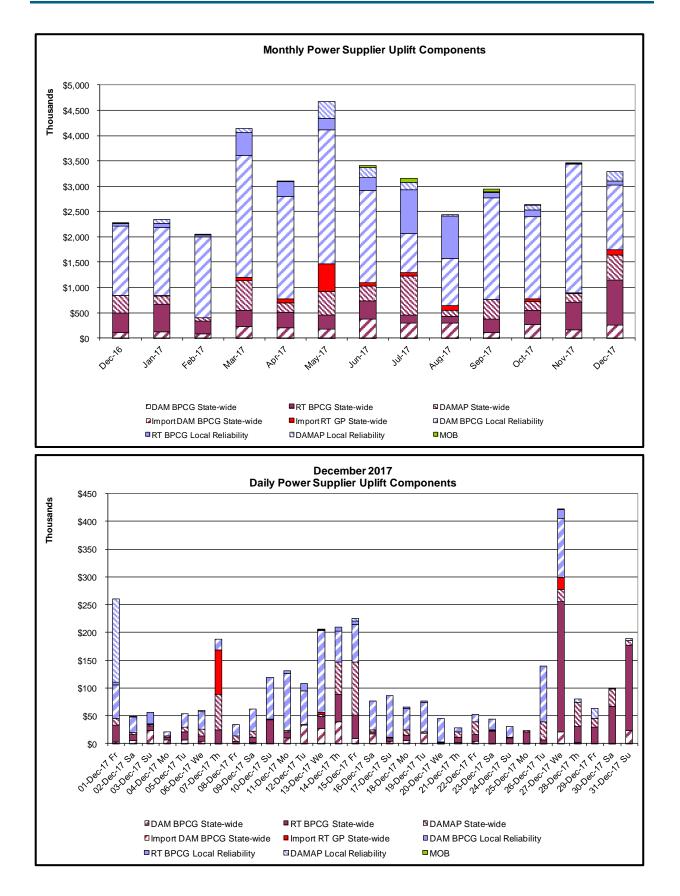




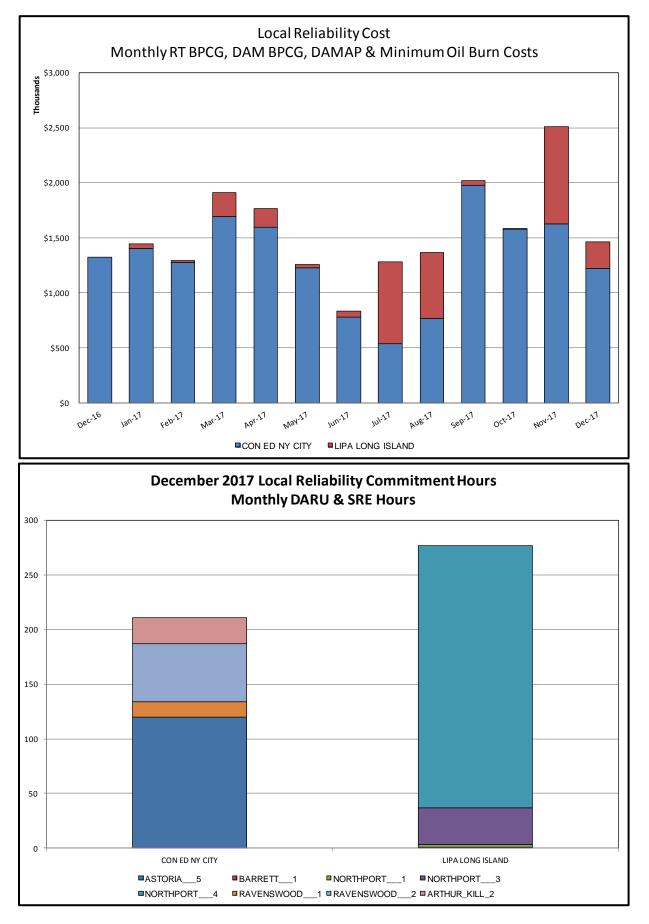


| Day-Ahead Market Congestion Residual Categories | | | | | | | | |
|---|--|--|---|--|--|--|--|--|
| <u>Category</u> NYTO Outage Allocation | <u>Cost Assignment</u> Responsible TO | <u>Events Types</u> Direct allocation to NYTO's responsible for transmission equipment status change. | <u>Event Examples</u> DAM scheduled outage for equipment modeled in- service for the TCC Auction. | | | | | |
| External Outage Allocation | All TO by Monthly Allocation Factor | Direct allocation to transmission equipment status change caused by change in status of external equipment. | Tie line required out-of- service by TO of neighboring control area. | | | | | |
| Central East Commitment Derate | All TO by Monthly Allocation Factor | Reductions in the DAM Central East_VC limit as compared to the TCC Auction limit, which are not associated with transmission line outages. | | | | | | |

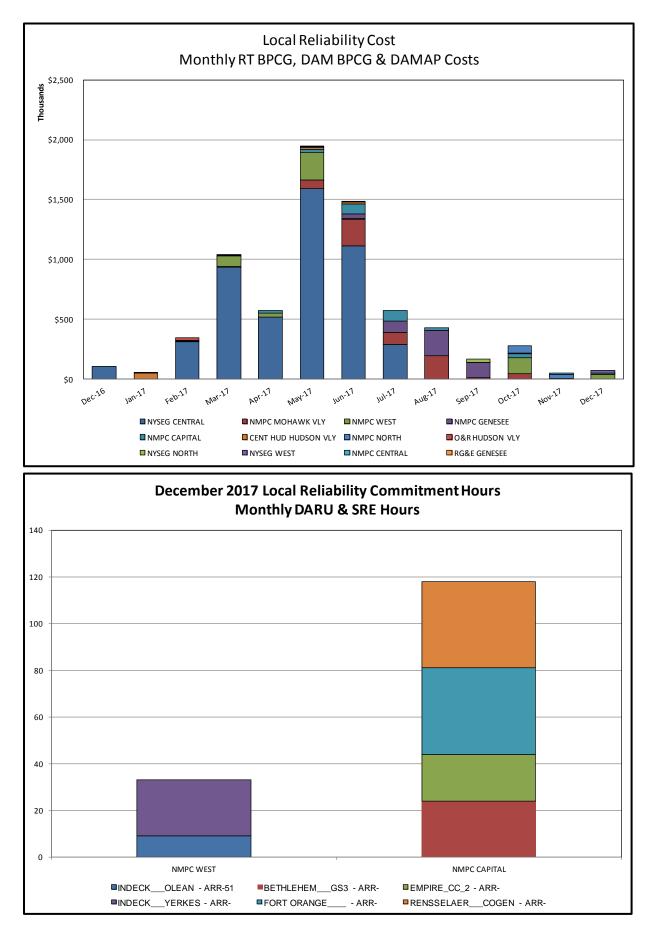




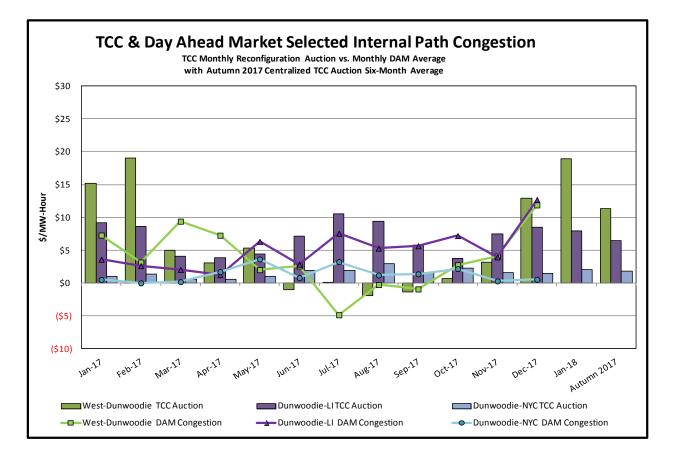


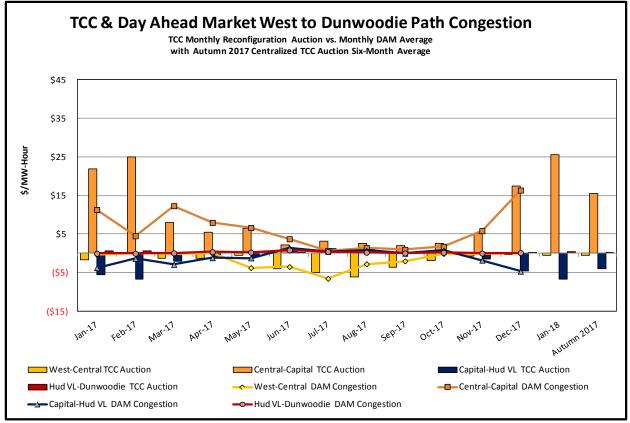




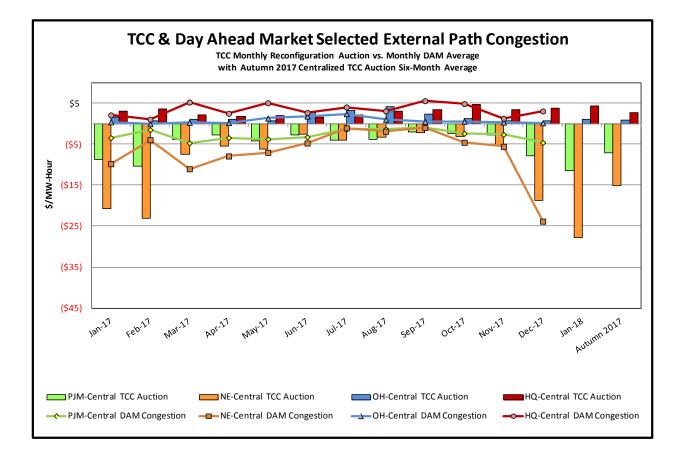




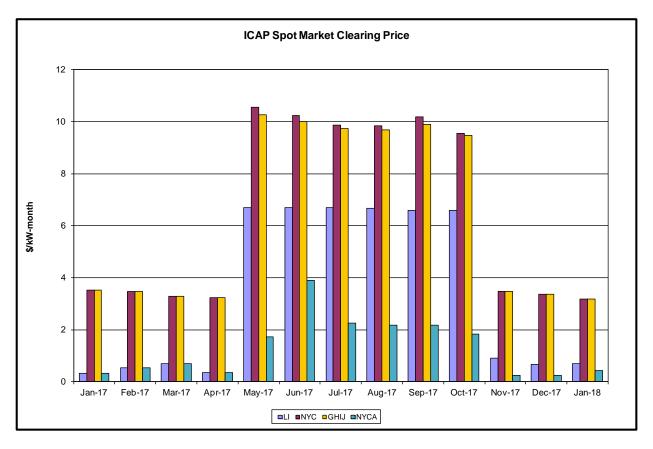


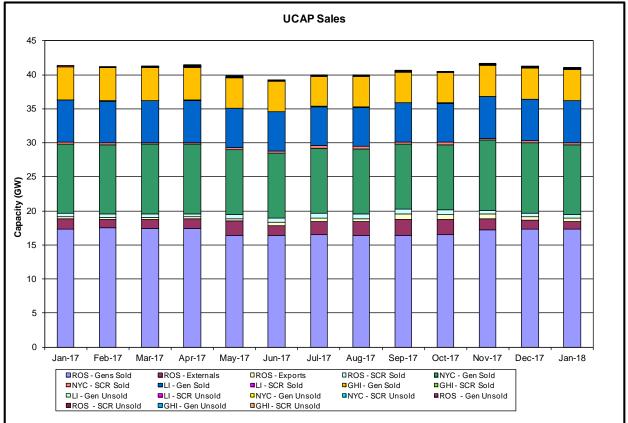






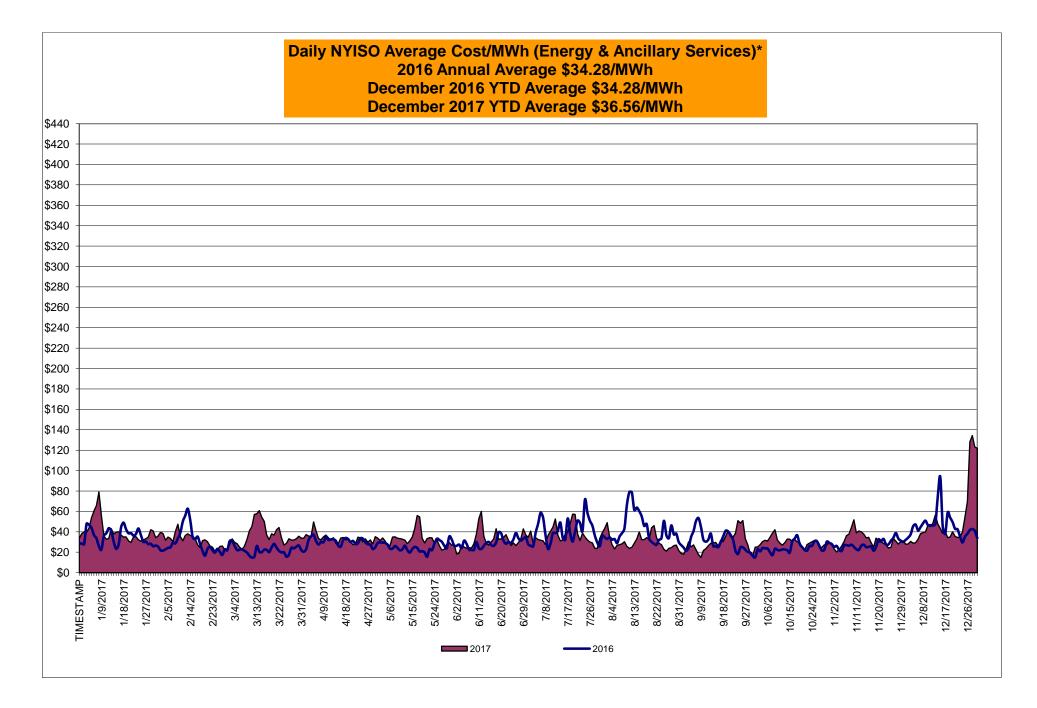






Market Performance Highlights December 2017

- LBMP for December is \$52.63/MWh; higher than \$30.60/MWh in November 2017 and higher than \$43.90/MWh in December 2016.
 - Day Ahead and Real Time Load Weighted LBMPs are higher compared to November.
- December 2017 average year-to-date monthly cost of \$36.56/MWh is a 7% increase from \$34.28/MWh in December 2016.
- Average daily sendout is 444 GWh/day in December; higher than 403 GWh/day in November 2017 and 433 GWh/day in December 2016.
- Natural gas and distillate prices were higher compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$7.59/MMBtu, up from \$2.92/MMBtu in November.
 - Natural gas prices for the month peaked at \$31.16/MMBtu on December 29, 2017
 - Natural gas prices are up 73.0% year-over-year.
 - Jet Kerosene Gulf Coast was \$13.47/MMBtu, up from \$13.04/MMBtu in November.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$13.91/MMBtu, up from \$13.70/MMBtu in November.
 - Distillate prices are up 20.1% year-over-year.
- Uplift per MWh is lower compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.68)/MWh; lower than (\$0.40)/MWh in November.
 - Local Reliability Share is \$0.09/MWh, lower than \$0.20/MWh in November.
 - Statewide Share is (\$0.78)/MWh, lower than (\$0.60)/MWh in November.
 - TSA \$ per NYC MWh is \$0.00/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than November.



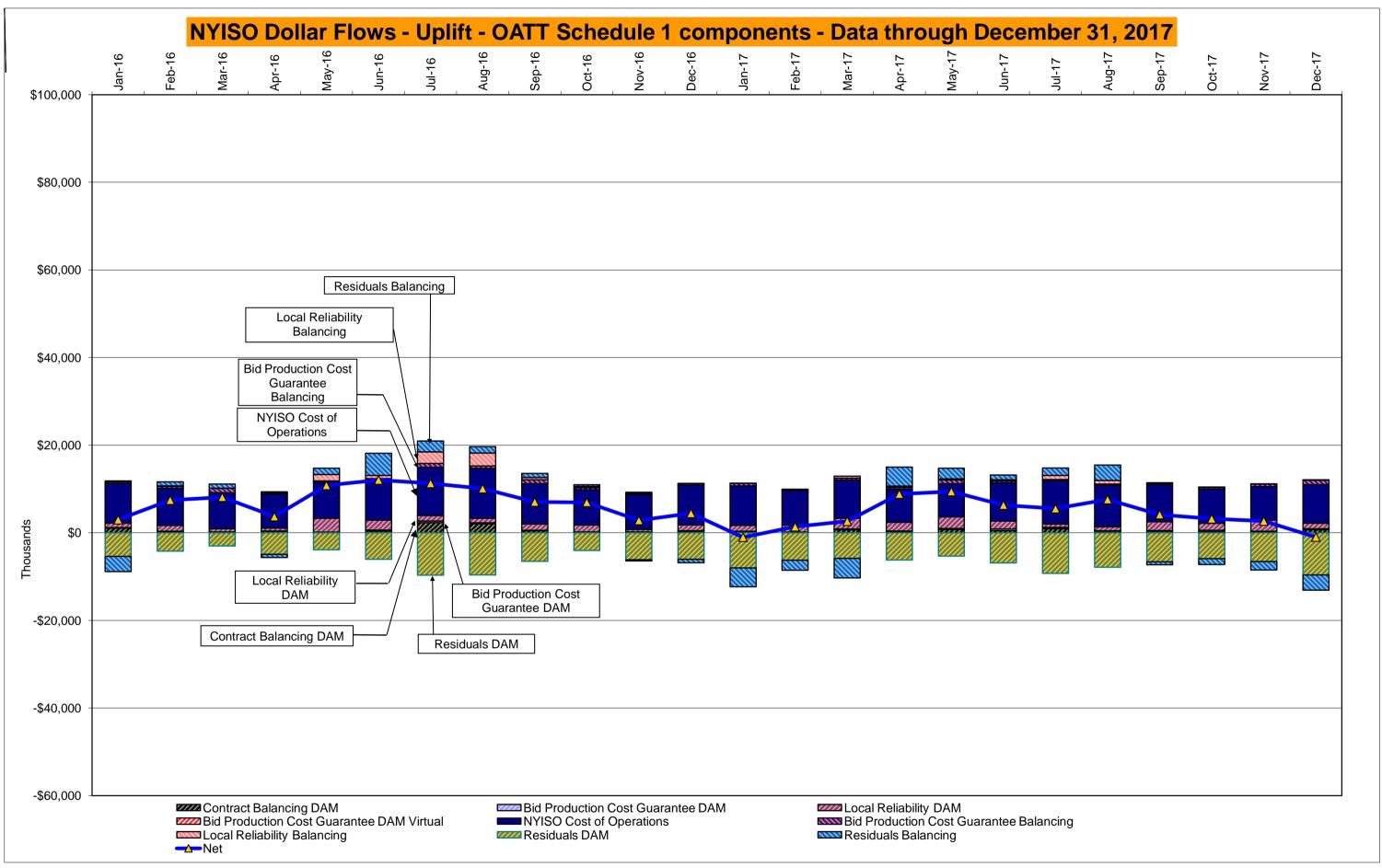
* Excludes ICAP payments.

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

| 2017 | January | February | March | <u>April</u> | May | June | <u>July</u> | August | September | October | November | December |
|---------------------------------|---------|-----------------|--------------|--------------|--------|-------------|----------------------|---------------|------------------|----------------|----------|---------------|
| LBMP | 40.07 | 30.95 | 34.97 | 31.06 | 31.74 | 31.76 | 35.84 | 30.57 | 29.57 | 28.35 | 30.60 | 52.63 |
| NTAC | 0.66 | 1.11 | 0.86 | 1.05 | 0.79 | 0.62 | 0.87 | 0.59 | 0.62 | 0.50 | 0.75 | 0.81 |
| Reserve | 0.70 | 0.67 | 0.74 | 0.70 | 0.61 | 0.55 | 0.48 | 0.44 | 0.47 | 0.59 | 0.55 | 0.71 |
| Regulation | 0.14 | 0.12 | 0.13 | 0.17 | 0.16 | 0.13 | 0.10 | 0.10 | 0.11 | 0.13 | 0.20 | 0.15 |
| NYISO Cost of Operations | 0.65 | 0.65 | 0.65 | 0.65 | 0.62 | 0.63 | 0.63 | 0.63 | 0.63 | 0.62 | 0.61 | 0.60 |
| FERC Fee Recovery | 0.09 | 0.10 | 0.10 | 0.12 | 0.10 | 0.09 | 0.07 | 0.08 | 0.09 | 0.10 | 0.10 | 0.08 |
| Uplift | (0.73) | (0.54) | (0.46) | 0.12 | 0.10 | (0.37) | (0.43) | (0.19) | (0.34) | (0.36) | (0.40) | (0.68) |
| Uplift: Local Reliability Share | 0.10 | 0.13 | 0.21 | 0.20 | 0.24 | 0.15 | 0.11 | 0.12 | 0.16 | 0.14 | 0.20 | 0.09 |
| Uplift: Statewide Share | (0.83) | (0.67) | (0.67) | (0.08) | (0.13) | (0.52) | (0.54) | (0.31) | (0.50) | (0.50) | (0.60) | (0.78) |
| Voltage Support and Black Start | 0.37 | 0.37 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.37 | 0.37 |
| Avg Monthly Cost | 41.96 | 33.44 | 37.38 | 34.26 | 34.52 | 33.80 | 37.94 | 32.60 | 31.54 | 30.31 | 32.79 | 54.67 |
| Avg montiny cost | 41.00 | 00.44 | 07.00 | 04.20 | 04.02 | 00.00 | 07.04 | 02.00 | 01.04 | 00.01 | 02.10 | 04.07 |
| Avg YTD Cost | 41.96 | 38.02 | 37.81 | 37.05 | 36.54 | 36.01 | 36.35 | 35.80 | 35.34 | 34.89 | 34.72 | 36.56 |
| TSA \$ per NYC MWh | 0.00 | 0.00 | 0.00 | 0.08 | 0.12 | 0.56 | 0.42 | 0.23 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2016 | January | <u>February</u> | <u>March</u> | <u>April</u> | May | <u>June</u> | lubz | <u>August</u> | <u>September</u> | <u>October</u> | November | December |
| LBMP | 34.29 | 28.71 | 20.66 | 27.96 | 23.31 | 27.35 | <u>July</u> 40.01 | 42.99 | <u>30.89</u> | 22.33 | 26.31 | 43.90 |
| NTAC | 0.59 | 0.78 | 0.62 | 1.14 | 1.10 | 0.93 | 0.78 | 0.54 | 0.55 | 0.86 | 0.79 | 43.90 0.97 |
| Reserve | 0.59 | 0.78 | 0.02 | 0.87 | 0.71 | 0.59 | 0.78 | 0.68 | 0.69 | 0.00 | 0.79 | 0.63 |
| Regulation | 0.12 | 0.73 | 0.12 | 0.07 | 0.71 | 0.39 | 0.07 | 0.00 | 0.09 | 0.17 | 0.00 | 0.03 |
| NYISO Cost of Operations | 0.64 | 0.65 | 0.12 | 0.12 | 0.65 | 0.66 | 0.65 | 0.65 | 0.64 | 0.13 | 0.13 | 0.64 |
| FERC Fee Recovery | 0.09 | 0.00 | 0.00 | 0.10 | 0.09 | 0.00 | 0.03 | 0.06 | 0.04 | 0.10 | 0.10 | 0.08 |
| Uplift | (0.43) | (0.07) | (0.03) | (0.34) | 0.00 | 0.20 | (0.26) | (0.63) | (0.15) | (0.09) | (0.42) | (0.33) |
| Uplift: Local Reliability Share | 0.09 | 0.11 | 0.06 | 0.07 | 0.35 | 0.20 | 0.23 | 0.22 | 0.14 | 0.15 | 0.07 | 0.10 |
| Uplift: Statewide Share | (0.52) | (0.18) | (0.09) | (0.41) | (0.16) | (0.01) | (0.49) | (0.86) | (0.29) | (0.24) | (0.49) | (0.43) |
| Voltage Support and Black Start | 0.35 | 0.36 | 0.36 | 0.35 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.35 |
| Avg Monthly Cost | 36.42 | 31.37 | 23.23 | 30.84 | 26.52 | 30.29 | 42.40 | 44.75 | 33.16 | 25.12 | 28.61 | 46.42 |
| Avg Montiny Cost | 50.42 | 51.57 | 23.23 | 50.04 | 20.52 | 50.23 | 42.40 | 44.75 | 55.10 | 20.12 | 20.01 | 40.42 |
| Avg YTD Cost | 36.42 | 34.02 | 30.68 | 30.71 | 29.85 | 29.93 | 32.32 | 34.43 | 34.31 | 33.54 | 33.16 | 34.28 |
| TSA \$ per NYC MWh | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.02 | 0.84 | 1.64 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2015 | January | February | March | <u>April</u> | May | <u>June</u> | <u>July</u> | <u>August</u> | <u>September</u> | <u>October</u> | November | December |
| LBMP | 59.61 | 114.37 | 52.09 | 28.36 | 32.98 | 28.20 | 34.77 | 33.09 | 34.40 | 30.05 | 24.83 | 20.91 |
| NTAC | 0.32 | 0.35 | 0.41 | 0.64 | 0.56 | 0.80 | 0.54 | 0.60 | 0.63 | 0.53 | 0.68 | 1.05 |
| 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 | 0.00 | 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 | 23.71 |
| Avg monthly oust | 00.31 | 110.21 | 00.00 | 00.41 | 00.07 | 00.13 | 00.04 | 00.14 | 00.00 | 02.10 | 21.07 | 20.71 |
| 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 |

* Excludes ICAP payments. Market Mitigation and Analysis Prepared: 1/8/2018 2:34 PM

As of Jan. 2016, the annual FERC fee is recovered separately from Cost of Ops.



DAM Contract Balancing amounts are for payments made to generating units to make them whole for being dispatched below their Day-Ahead schedule, as a result of out-of-merit dispatches. DAM Bid Production Cost Guarantees for Virtual Transactions are included in the chart and are shown from the inception of Virtual Transactions. These values are small and cannot be identified on the chart. DAM residuals consist of both energy and loss revenue collections and payments. By design, there is a net over collection of revenues due to the difference between the marginal losses paid to generation and the average losses charged to loads.

NYISO Markets Transactions

| <u>2017</u> | <u>January</u> | <u>February</u> | <u>March</u> | <u>April</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>August</u> | <u>September</u> | <u>October</u> | <u>November</u> | <u>December</u> |
|---|--|---|--|---|--|---|--|--|--|---|---|---|
| Day Ahead Market MWh | 14,135,019 | 12,565,206 | 13,983,865 | 12,061,475 | 12,966,981 | 14,406,180 | 16,505,801 | 15,948,927 | 14,100,695 | 13,252,368 | 13,042,826 | 14,829,403 |
| DAM LSE Internal LBMP Energy Sales | 57% | 57% | 55% | 54% | 58% | 60% | 62% | 61% | 57% | 55% | 53% | 55% |
| DAM External TC LBMP Energy Sales | 2% | 2% | 1% | 1% | 1% | 1% | 1% | 1% | 1% | 2% | 3% | 5% |
| DAM Bilateral - Internal Bilaterals | 32% | 32% | 34% | 35% | 33% | 31% | 29% | 29% | 32% | 34% | 34% | 32% |
| DAM Bilateral - Importl/Non-LBMP Market Bilaterals | 5% | 5% | 5% | 6% | 4% | 5% | 4% | 5% | 5% | 5% | 5% | 5% |
| DAM Bilateral - Export/Non-LBMP Market Bilaterals | 2% | 2% | 2% | 2% | 2% | 2% | 1% | 2% | 2% | 2% | 2% | 2% |
| DAM Bilateral - Wheel Through Bilaterals | 2% | 2% | 2% | 2% | 2% | 2% | 3% | 3% | 4% | 2% | 3% | 2% |
| Balancing Energy Market MWh | -256,448 | -407,284 | -509,053 | -466,426 | -666,048 | -564,312 | -747,473 | -853,898 | -633,990 | -510,721 | -410,072 | -254,003 |
| Balancing Energy LSE Internal LBMP Energy Sales | -157% | -132% | -148% | -115% | -120% | -114% | -100% | -87% | -76% | -102% | -108% | -99% |
| Balancing Energy External TC LBMP Energy Sales | 64% | 39% | 44% | 22% | 28% | 23% | 18% | 13% | 12% | 26% | 45% | 25% |
| Balancing Energy Bilateral - Internal Bilaterals | 15% | 8% | 12% | 5% | 1% | 4% | 3% | 2% | 3% | 5% | 5% | -1% |
| Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals | 0% | 4% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals | 10% | 7% | 5% | 4% | 3% | 3% | 1% | 1% | 1% | 4% | 7% | 9% |
| Balancing Energy Bilateral - Wheel Through Bilaterals | -32% | -26% | -13% | -15% | -12% | -16% | -22% | -29% | -40% | -33% | -49% | -34% |
| Transactions Summary | | | | | | | | | | | | |
| LBMP | 58% | 57% | 55% | 54% | 58% | 60% | 62% | 61% | 58% | 56% | 56% | 60% |
| Internal Bilaterals | 33% | 34% | 36% | 37% | 34% | 32% | 30% | 31% | 33% | 36% | 36% | 32% |
| Import Bilaterals | 5% | 5% | 5% | 6% | 4% | 5% | 5% | 5% | 5% | 5% | 5% | 5% |
| Export Bilaterals | 2% | 2% | 2% | 2% | 2% | 2% | 2% | 2% | 2% | 2% | 2% | 2% |
| Wheels Through | 2% | 2% | 2% | 2% | 2% | 1% | 2% | 2% | 2% | 1% | 1% | 1% |
| Market Share of Total Load | | | | | | | | | | | | |
| Day Ahead Market | 101.8% | 103.3% | 103.8% | 104.0% | 105.4% | 104.1% | 104.7% | 105.7% | 104.7% | 104.0% | 103.2% | 101.7% |
| Balancing Energy + | -1.8% | -3.3% | -3.8% | -4.0% | -5.4% | -4.1% | -4.7% | -5.7% | -4.7% | -4.0% | -3.2% | -1.7% |
| Total MWH | 13,878,571 | 12,157,922 | 13,474,812 | 11,595,049 | 12,300,933 | 13,841,868 | 15,758,328 | 15,095,029 | 13,466,705 | 12,741,647 | 12,632,754 | 14,575,400 |
| Average Daily Energy Sendout/Month GWh | 431 | 418 | 419 | 377 | 383 | 454 | 498 | 477 | 437 | 398 | 403 | 444 |
| | | | | | | | | | | | | |
| | | | | | | _ | | _ | _ | | | _ |
| <u>2016</u> | <u>January</u> | <u>February</u> | <u>March</u> | <u>April</u> | <u>May</u> | June | <u>July</u> | <u>August</u> | <u>September</u> | <u>October</u> | <u>November</u> | <u>December</u> |
| Day Ahead Market MWh | 14,760,915 | 13,614,754 | 13,413,781 | 12,496,141 | 12,959,886 | 14,095,904 | 16,950,819 | 17,413,898 | 14,563,318 | 13,014,354 | 12,770,775 | 14,245,185 |
| DAM LSE Internal LBMP Energy Sales | 54% | 55% | 55% | 57% | 58% | 60% | 64% | 63% | 60% | 56% | 56% | 58% |
| DAM External TC LBMP Energy Sales | 4% | 2% | 1% | 5% | 2% | 1% | 1% | 3% | 3% | 2% | 2% | 3% |
| DAM Bilateral - Internal Bilaterals | 34% | 34% | 35% | 28% | 31% | 30% | 28% | 27% | 30% | 33% | 32% | 31% |
| DAM Bilateral - Importl/Non-LBMP Market Bilaterals | 5% | 5% | 5% | 6% | 5% | 5% | 4% | 4% | 5% | 5% | 5% | 5% |
| DAM Bilateral - Export/Non-LBMP Market Bilaterals | 2% | 1% | 2% | 2% | | | 40/ | | | | | |
| DAM Bilateral - Wheel Through Bilaterals | 2% | | | | 2% | 2% | 1% | 1% | 1% | 2% | 2% | 2% |
| | 2 70 | 2% | 2% | 2 % 2% | 2% 2% | 2% 2% | 1% 2% | 1% 2% | 1% 2% | | 2% 3% | 2% 2% |
| Balancing Energy Market MWh | -522,919 | <u>2%</u> -580,900 | <u>2%</u> -741,701 | | | | | | | 2% | | |
| Balancing Energy Market MWh Balancing Energy LSE Internal LBMP Energy Sales | | | | 2% | 2% | 2% | 2% | 2% | 2% | 2% 2% | 3% | 2% |
| | -522,919 | -580,900 | -741,701 | <u>2%</u> -303,313 | <u>2%</u> -180,848 | <u>2%</u> -143,015 | <u>2%</u> -86,025 | <u>2%</u> 224,316 | <u>2%</u> -250,802 | 2% 2% -477,109 | <u>3%</u> -394,575 | <u>2%</u> -127,836 |
| Balancing Energy LSE Internal LBMP Energy Sales | -522,919 -125% | -580,900 -114% | -741,701 -118% | <u>2%</u> -303,313 -76% | 2% -180,848 -147% | 2% -143,015 -203% | 2% -86,025 -347% | 2% 224,316 42% | 2% -250,802 -139% | 2% <u>2%</u> -477,109 -111% | <u>3%</u> -394,575 -102% | <u>2%</u> -127,836 -269% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales | -522,919 -125% 12% | -580,900 -114% 13% | -741,701 -118% 19% | 2% -303,313 -76% -13% | 2% -180,848 -147% 55% | 2% -143,015 -203% 77% | 2% -86,025 -347% 204% | 2% 224,316 42% 56% | 2% -250,802 -139% 49% | 2% 2% -477,109 -111% 21% | 3% -394,575 -102% 28% | <u>2%</u> -127,836 -269% 138% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals | -522,919 -125% 12% 19% | -580,900 -114% 13% 9% | -741,701 -118% 19% 4% | 2% -303,313 -76% -13% 8% | 2% -180,848 -147% 55% 27% | 2% -143,015 -203% 77% 47% | 2% -86,025 -347% 204% 62% | 2% 224,316 42% 56% 28% | 2% -250,802 -139% 49% 18% | 2% 2% -477,109 -111% 21% 6% | 3% -394,575 -102% 28% 9% | 2% -127,836 -269% 138% 65% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals | -522,919 -125% 12% 19% 0% | -580,900 -114% 13% 9% 0% | -741,701 -118% 19% 4% 0% | 2% -303,313 -76% -13% 8% 0% | 2% -180,848 -147% 55% 27% 0% | 2% -143,015 -203% 77% 47% 0% | 2% -86,025 -347% 204% 62% 0% | 2% 224,316 42% 56% 28% 0% | 2% -250,802 -139% 49% 18% 0% | 2% 2% -477,109 -111% 21% 6% 0% | 3% -394,575 -102% 28% 9% 0% | 2% -127,836 -269% 138% 65% 4% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals | -522,919 -125% 12% 19% 0% 6% | -580,900 -114% 13% 9% 0% 5% | -741,701 -118% 19% 4% 0% 3% | 2% -303,313 -76% -13% 8% 0% 5% | 2% -180,848 -147% 55% 27% 0% 7% | 2% -143,015 -203% 77% 47% 0% 10% | 2% -86,025 -347% 204% 62% 0% 15% | 2% 224,316 42% 56% 28% 0% 5% | 2% -250,802 -139% 49% 18% 0% 5% | 2% 2% -477,109 -111% 21% 6% 0% 4% | 3% -394,575 -102% 28% 9% 0% 6% | 2% -127,836 -269% 138% 65% 4% 27% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals | -522,919 -125% 12% 19% 0% 6% | -580,900 -114% 13% 9% 0% 5% | -741,701 -118% 19% 4% 0% 3% | 2% -303,313 -76% -13% 8% 0% 5% | 2% -180,848 -147% 55% 27% 0% 7% | 2% -143,015 -203% 77% 47% 0% 10% | 2% -86,025 -347% 204% 62% 0% 15% | 2% 224,316 42% 56% 28% 0% 5% | 2% -250,802 -139% 49% 18% 0% 5% | 2% 2% -477,109 -111% 21% 6% 0% 4% | 3% -394,575 -102% 28% 9% 0% 6% | 2% -127,836 -269% 138% 65% 4% 27% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary | -522,919 -125% 12% 19% 0% 6% -12% | -580,900 -114% 13% 9% 0% 5% -12% | -741,701 -118% 19% 4% 0% 3% -8% | 2% -303,313 -76% -13% 8% 0% 5% -24% | 2% -180,848 -147% 55% 27% 0% 7% -42% | 2% -143,015 -203% 77% 47% 0% 10% -32% | 2% -86,025 -347% 204% 62% 0% 15% -34% | 2% 224,316 42% 56% 28% 0% 5% -31% | 2% -250,802 -139% 49% 18% 0% 5% -32% | 2% 2% -477,109 -111% 21% 6% 0% 4% -21% | 3% -394,575 -102% 28% 9% 0% 6% -40% | 2% -127,836 -269% 138% 65% 4% 27% -66% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Irransactions Summary LBMP | -522,919 -125% 12% 19% 0% 6% -12% | -580,900 -114% 13% 9% 0% 5% -12% | -741,701 -118% 19% 4% 0% 3% -8% | 2% -303,313 -76% -13% 8% 0% 5% -24% | 2% -180,848 -147% 55% 27% 0% 7% -42% | 2% -143,015 -203% 77% 47% 0% 10% -32% | 2% -86,025 -347% 204% 62% 0% 15% -34% | 2% 224,316 42% 56% 28% 0% 5% -31% | 2% -250,802 -139% 49% 18% 0% 5% -32% | 2% 2% -477,109 -111% 21% 6% 0% 4% -21% | 3% -394,575 -102% 28% 9% 0% 6% -40% | 2% -127,836 -269% 138% 65% 4% 27% -66% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals | -522,919 -125% 12% 19% 0% 6% -12% 56% 36% | -580,900 -114% 13% 9% 0% 5% -12% 56% 36% | -741,701 -118% 19% 4% 0% 3% -8% 54% 37% | 2% -303,313 -76% -13% 8% 0% 5% -24% 62% 29% | 2% -180,848 -147% 55% 27% 0% 7% -42% 59% 32% | 2% -143,015 -203% 77% 47% 0% 10% -32% 61% 31% | 2% -86,025 -347% 204% 62% 0% 15% -34% 65% 28% | 2% 224,316 42% 56% 28% 0% 5% -31% 66% 27% | 2% -250,802 -139% 49% 18% 0% 5% -32% 62% 30% | 2% 2% -477,109 -111% 21% 6% 0% 4% -21% 57% 35% | 3% -394,575 -102% 28% 9% 0% 6% -40% 57% 34% | 2% -127,836 -269% 138% 65% 4% 27% -66% 60% 32% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals LBMP Internal Bilaterals Import Bilaterals | -522,919 -125% 12% 19% 0% 6% -12% 56% 36% 5% | -580,900 -114% 13% 9% 0% 5% -12% 56% 36% 5% | -741,701 -118% 19% 4% 0% 3% -8% 54% 37% 6% | 2% -303,313 -76% -13% 8% 0% 5% -24% 62% 29% 6% | 2% -180,848 -147% 55% 27% 0% 7% -42% 59% 32% 5% | 2% -143,015 -203% 77% 47% 0% 10% -32% 61% 31% 5% | 2% -86,025 -347% 204% 62% 0% 15% -34% 65% 28% 4% | 2% 224,316 42% 56% 28% 0% 5% -31% 66% 27% 4% | 2% -250,802 -139% 49% 18% 0% 5% -32% 62% 30% 5% | 2% 2% -477,109 -111% 21% 6% 0% 4% -21% 57% 35% 5% | 3% -394,575 -102% 28% 9% 0% 6% -40% 57% 34% 6% | 2% -127,836 -269% 138% 65% 4% 27% -66% 32% 5% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Transactions Summary LBMP Internal Bilaterals Import Bilaterals Export Bilaterals | -522,919 -125% 12% 19% 0% 6% -12% 56% 36% 5% 2% | -580,900 -114% 13% 9% 0% 5% -12% 56% 36% 5% 2% | -741,701 -118% 19% 4% 0% 3% -8% 54% 37% 6% 2% | 2% -303,313 -76% -13% 8% 0% 5% -24% 62% 29% 6% 29% 6% 2% | 2% -180,848 -147% 55% 27% 0% 7% -42% 59% 32% 5% 2% | 2% -143,015 -203% 77% 47% 0% 10% -32% 61% 31% 5% 2% | 2% -86,025 -347% 204% 62% 0% 15% -34% 65% 28% 4% 1% | 2% 224,316 42% 56% 28% 0% 5% -31% 66% 27% 4% 1% | 2% -250,802 -139% 49% 18% 0% 5% -32% 62% 30% 5% 1% | 2% 2% -477,109 -111% 21% 6% 0% 4% -21% 57% 35% 5% 2% | 3% -394,575 -102% 28% 9% 0% 6% -40% 57% 34% 6% 2% | 2% -127,836 -269% 138% 65% 4% 27% -66% 32% 5% 2% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals BMP Internal Bilaterals Import Bilaterals Export Bilaterals Wheels Through | -522,919 -125% 12% 19% 0% 6% -12% 56% 36% 5% 2% 1% | -580,900 -114% 13% 9% 0% 5% -12% 56% 36% 5% 2% 1% | -741,701 -118% 19% 4% 0% 3% -8% 54% 37% 6% 2% 1% | 2% -303,313 -76% -13% 8% 0% 5% -24% 6% 29% 6% 29% 6% 2% 1% | 2% -180,848 -147% 55% 27% 0% 7% -42% 59% 32% 5% 2% 2% 2% | 2% -143,015 -203% 77% 47% 0% 10% -32% 61% 31% 5% 2% 2% 2% | 2% -86,025 -347% 204% 62% 0% 15% -34% 65% 28% 4% 1% 1% | 2% 224,316 42% 56% 28% 0% 5% -31% 66% 27% 4% 1% 1% | 2% -250,802 -139% 49% 18% 0% 5% -32% 62% 30% 5% 1% 2% | 2% 2% -477,109 -111% 21% 6% 0% 4% -21% 57% 35% 5% 2% 1% | 3% -394,575 -102% 28% 9% 0% 6% -40% 57% 34% 6% 2% 2% 2% | 2% -127,836 -269% 138% 65% 4% 27% -66% 32% 5% 2% 2% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals BMP Internal Bilaterals Import Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market | -522,919 -125% 12% 19% 0% 6% -12% 56% 36% 5% 2% 1% | -580,900 -114% 13% 9% 0% 5% -12% 56% 36% 5% 2% 1% 104.5% | -741,701 -118% 19% 4% 0% 3% -8% 54% 37% 6% 2% 1% 105.9% | 2% -303,313 -76% -13% 8% 0% 5% -24% 62% 29% 6% 29% 6% 2% 1% | 2% -180,848 -147% 55% 27% 0% 7% -42% 59% 32% 5% 2% | 2% -143,015 -203% 77% 47% 0% 10% -32% 61% 31% 5% 2% 2% 2% 2% | 2% -86,025 -347% 204% 62% 0% 15% -34% 65% 28% 4% 1% 1% 1% | 2% 224,316 42% 56% 28% 0% 5% -31% 66% 27% 4% 1% 1% 1% | 2% -250,802 -139% 49% 18% 0% 5% -32% 62% 30% 5% 1% 2% 101.8% | 2% 2% -477,109 -111% 21% 6% 0% 4% -21% 57% 35% 5% 2% 1% 103.8% | 3% -394,575 -102% 28% 9% 0% 6% -40% 57% 34% 6% 2% 2% 2% | 2% -127,836 -269% 138% 65% 4% 27% -66% 32% 5% 2% 2% 2% 2% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals Import Bilaterals Export Bilaterals Export Bilaterals Wheels Through Day Ahead Market Balancing Energy + | -522,919 -125% 12% 19% 0% 6% -12% 56% 36% 5% 2% 1% 103.7% -3.7% | -580,900 -114% 13% 9% 0% 5% 5% -12% 56% 36% 5% 2% 1% 104.5% -4.5% | -741,701 -118% 19% 4% 0% 3% -8% 54% 37% 6% 2% 1% 105.9% -5.9% | 2% -303,313 -76% -13% 8% 0% 5% -24% 6% 29% 6% 29% 6% 2% 1% 102.5% -2.5% | 2% -180,848 -147% 55% 27% 0% 7% -42% 59% 32% 5% 2% 2% 2% 2% 2% 101.4% -1.4% | 2% -143,015 -203% 77% 47% 0% 10% -32% 61% 31% 5% 2% 2% 2% 2% 2% 101.0% -1.0% | 2% -86,025 -347% 204% 62% 0% 15% -34% 65% 28% 4% 1% 1% 1% 1% 1% | 2% 224,316 42% 56% 28% 0% 5% -31% 66% 27% 4% 1% 1% 1% 1% 1% 1% | 2% -250,802 -139% 49% 18% 0% 5% -32% 62% 30% 5% 1% 2% 101.8% -1.8% | 2% 2% -477,109 -111% 21% 6% 0% 4% -21% 57% 35% 5% 2% 1% 103.8% -3.8% | 3% -394,575 -102% 28% 9% 0% 6% -40% 57% 34% 6% 2% 2% 2% 2% 2% 103.2% -3.2% | 2% -127,836 -269% 138% 65% 4% 27% -66% 32% 5% 2% 2% 2% 100.9% -0.9% |
| Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals Balancing Energy Bilateral - Wheel Through Bilaterals BMP Internal Bilaterals Import Bilaterals Export Bilaterals Wheels Through Market Share of Total Load Day Ahead Market | -522,919 -125% 12% 19% 0% 6% -12% 56% 36% 5% 2% 1% | -580,900 -114% 13% 9% 0% 5% -12% 56% 36% 5% 2% 1% 104.5% | -741,701 -118% 19% 4% 0% 3% -8% 54% 37% 6% 2% 1% 105.9% | 2% -303,313 -76% -13% 8% 0% 5% -24% 62% 29% 6% 29% 6% 2% 1% | 2% -180,848 -147% 55% 27% 0% 7% -42% 59% 32% 5% 2% 2% 2% | 2% -143,015 -203% 77% 47% 0% 10% -32% 61% 31% 5% 2% 2% 2% 2% | 2% -86,025 -347% 204% 62% 0% 15% -34% 65% 28% 4% 1% 1% 1% | 2% 224,316 42% 56% 28% 0% 5% -31% 66% 27% 4% 1% 1% 1% | 2% -250,802 -139% 49% 18% 0% 5% -32% 62% 30% 5% 1% 2% 101.8% | 2% 2% -477,109 -111% 21% 6% 0% 4% -21% 57% 35% 5% 2% 1% 103.8% | 3% -394,575 -102% 28% 9% 0% 6% -40% 57% 34% 6% 2% 2% 2% | 2% -127,836 -269% 138% 65% 4% 27% -66% 32% 5% 2% 2% 2% 2% |

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

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

Market Mitigation and Analysis Prepared: 1/8/2018 2:35 PM Notes: Percent totals may not equal 100% due to rounding. Virtual Transactions are not reflected in this chart.

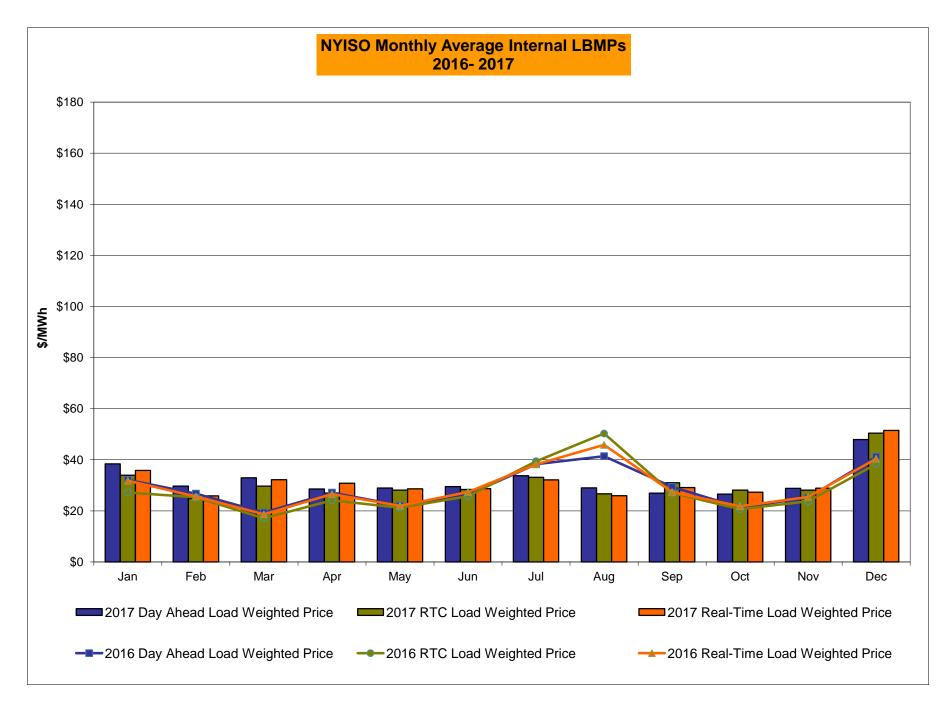
NYISO Markets 2017 Energy Statistics

| | <u>January</u> | February | March | <u>April</u> | May | June | July | August | <u>September</u> | <u>October</u> | November | <u> December</u> |
|--|----------------|----------|---------|--------------|---------|---------|---------|---------|------------------|----------------|----------|------------------|
| DAY AHEAD LBMP | | | | | | | | | | | | |
| Price * | \$37.22 | \$28.84 | \$32.04 | \$27.70 | \$27.66 | \$27.37 | \$31.64 | \$27.28 | \$25.05 | \$25.49 | \$27.88 | \$45.46 |
| Standard Deviation | \$13.20 | \$7.97 | \$11.95 | \$7.66 | \$9.47 | \$12.37 | \$13.51 | \$10.60 | \$12.09 | \$8.53 | \$9.87 | \$31.56 |
| Load Weighted Price ** | \$38.42 | \$29.66 | \$32.96 | \$28.56 | \$28.95 | \$29.52 | \$33.78 | \$29.00 | \$26.95 | \$26.57 | \$28.83 | \$47.90 |
| RTC LBMP | | | | | | | | | | | | |
| Price * | \$32.87 | \$24.09 | \$28.86 | \$26.19 | \$26.19 | \$26.40 | \$30.84 | \$25.26 | \$27.97 | \$26.91 | \$27.35 | \$47.75 |
| Standard Deviation | \$14.57 | \$9.52 | \$13.70 | \$10.36 | \$21.29 | \$14.76 | \$18.14 | \$13.08 | \$27.14 | \$13.40 | \$10.54 | \$37.33 |
| Load Weighted Price ** | \$33.96 | \$24.81 | \$29.67 | \$26.98 | \$28.10 | \$28.39 | \$33.13 | \$26.65 | \$30.98 | \$28.13 | \$28.15 | \$50.39 |
| REAL TIME LBMP | | | | | | | | | | | | |
| Price * | \$34.61 | \$25.14 | \$31.21 | \$29.61 | \$26.56 | \$26.16 | \$29.47 | \$24.36 | \$26.08 | \$25.95 | \$27.91 | \$48.42 |
| Standard Deviation | \$18.20 | \$14.21 | \$25.02 | \$39.82 | \$26.11 | \$19.00 | \$20.25 | \$14.03 | \$25.72 | \$14.49 | \$15.86 | \$42.66 |
| Load Weighted Price ** | \$35.80 | \$25.84 | \$32.21 | \$30.81 | \$28.64 | \$28.67 | \$32.11 | \$25.95 | \$29.13 | \$27.33 | \$28.90 | \$51.49 |
| Average Daily Energy Sendout/Month GWh | 431 | 418 | 419 | 377 | 383 | 454 | 498 | 477 | 437 | 398 | 403 | 444 |

NYISO Markets 2016 Energy Statistics

| | <u>January</u> | February | March | April | May | June | July | August S | <u>September</u> | <u>October</u> | November [| <u>December</u> |
|--|----------------|----------|---------|---------|---------|---------|---------|----------|------------------|----------------|------------|-----------------|
| DAY AHEAD LBMP | | | | | | | | | | | | |
| Price * | \$31.01 | \$25.76 | \$18.63 | \$26.39 | \$21.07 | \$24.83 | \$35.24 | \$38.25 | \$27.15 | \$20.37 | \$24.35 | \$39.83 |
| Standard Deviation | \$10.86 | \$12.46 | \$6.99 | \$6.95 | \$7.04 | \$9.21 | \$18.37 | \$20.59 | \$13.55 | \$7.48 | \$7.32 | \$15.08 |
| Load Weighted Price ** | \$32.13 | \$26.75 | \$19.37 | \$27.14 | \$22.12 | \$26.30 | \$38.29 | \$41.41 | \$29.38 | \$21.29 | \$25.15 | \$41.22 |
| RTC LBMP | | | | | | | | | | | | |
| Price * | \$26.12 | \$24.10 | \$16.41 | \$23.41 | \$19.96 | \$24.29 | \$36.22 | \$45.03 | \$24.70 | \$19.76 | \$23.02 | \$37.08 |
| Standard Deviation | \$16.06 | \$17.89 | \$11.32 | \$9.09 | \$11.44 | \$16.58 | \$38.04 | \$70.57 | \$17.46 | \$8.96 | \$9.49 | \$16.72 |
| Load Weighted Price ** | \$27.16 | \$25.29 | \$17.11 | \$24.10 | \$21.23 | \$25.73 | \$39.42 | \$50.28 | \$26.97 | \$20.64 | \$23.73 | \$38.35 |
| REAL TIME LBMP | | | | | | | | | | | | |
| Price * | \$30.15 | \$24.28 | \$17.84 | \$25.71 | \$20.67 | \$25.87 | \$34.40 | \$40.87 | \$24.90 | \$20.91 | \$24.72 | \$39.00 |
| Standard Deviation | \$60.09 | \$18.19 | \$15.06 | \$16.59 | \$12.84 | \$19.27 | \$38.56 | \$52.85 | \$20.70 | \$12.15 | \$12.71 | \$20.92 |
| Load Weighted Price ** | \$31.80 | \$25.61 | \$18.64 | \$26.57 | \$21.99 | \$27.39 | \$38.20 | \$45.82 | \$27.38 | \$21.81 | \$25.45 | \$40.42 |
| Average Daily Energy Sendout/Month GWh | 439 | 436 | 397 | 385 | 397 | 456 | 532 | 548 | 458 | 391 | 398 | 433 |

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

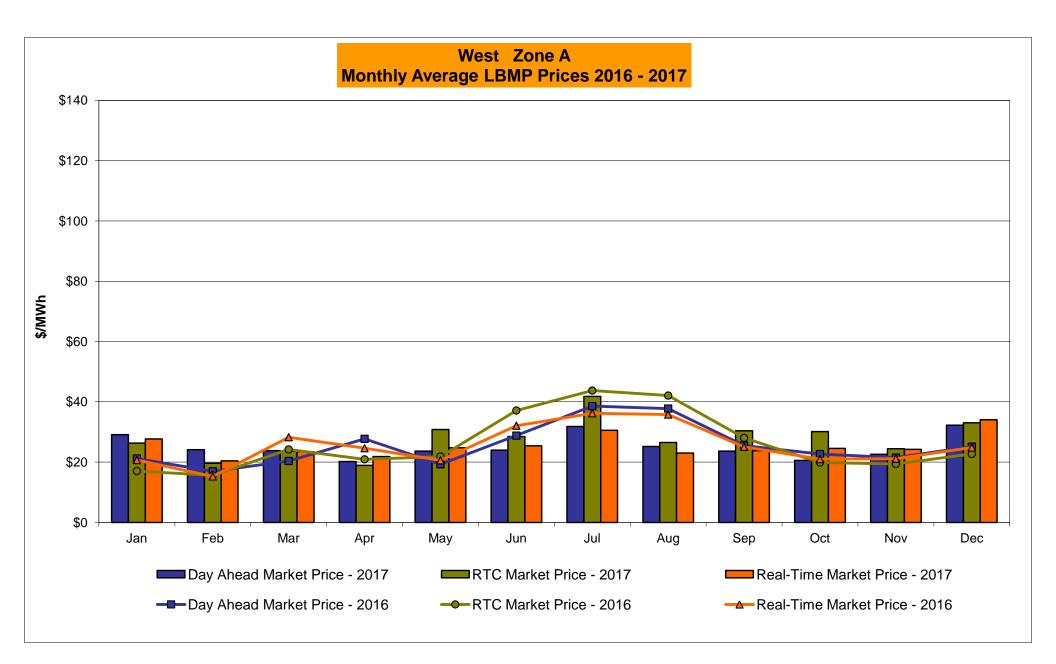


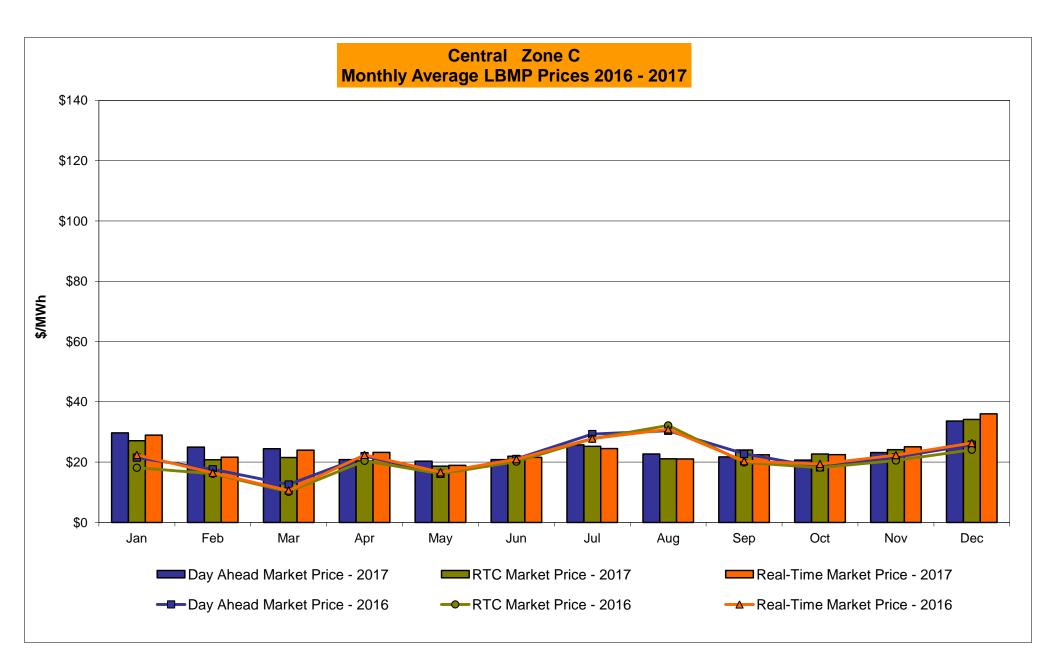
December 2017 Zonal LBMP Statistics for NYISO (\$/MWh)

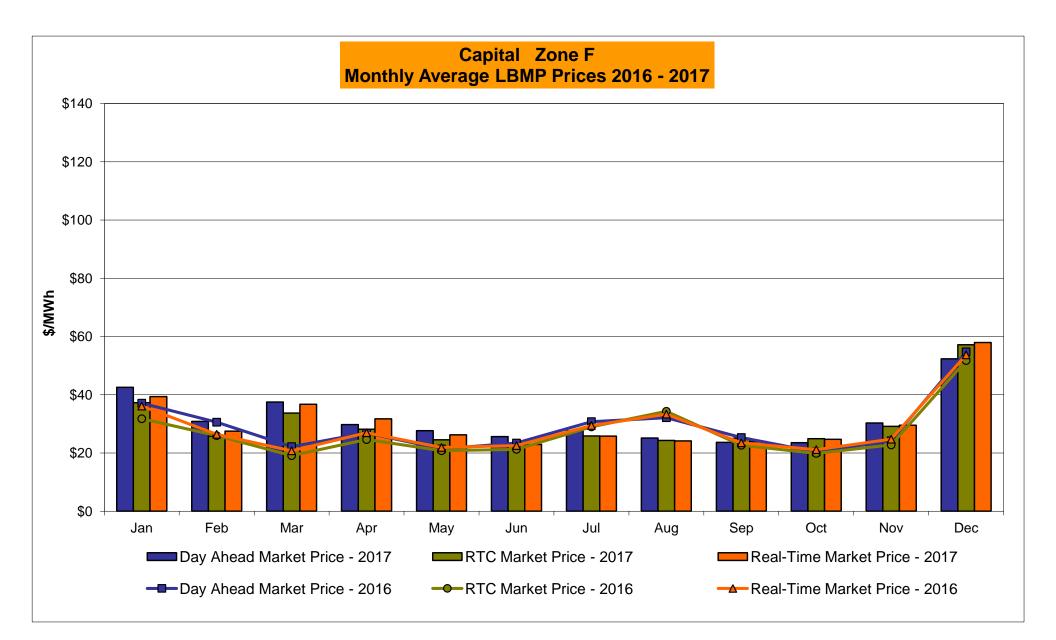
| | | | | | MOHAWK | | HUDSON | | | NEW YORK | LONG |
|--------------------|--------|---------|--------|---------|---------------|---------|--------|---------------|---------------|---------------|---------------|
| | WEST | GENESEE | NORTH | CENTRAL | VALLEY | CAPITAL | VALLEY | MILLWOOD | DUNWOODIE | CITY | ISLAND |
| | Zone A | Zone B | Zone D | Zone C | <u>Zone E</u> | Zone F | Zone G | <u>Zone H</u> | <u>Zone I</u> | <u>Zone J</u> | <u>Zone K</u> |
| DAY AHEAD LBMP | | | | | | | | | | | |
| Unweighted Price * | 32.24 | 32.08 | 30.39 | 33.62 | 34.63 | 52.35 | 48.35 | 48.89 | 48.70 | 49.54 | 62.31 |
| Standard Deviation | 22.66 | 23.31 | 24.81 | 24.45 | 25.93 | 40.41 | 35.14 | 35.47 | 35.26 | 36.21 | 38.82 |
| RTC LBMP | | | | | | | | | | | |
| Unweighted Price * | 33.07 | 32.04 | 30.82 | 34.16 | 35.87 | 57.16 | 51.57 | 51.94 | 51.63 | 52.02 | 66.24 |
| Standard Deviation | 32.16 | 28.37 | 32.02 | 30.00 | 32.87 | 48.27 | 41.24 | 41.54 | 41.23 | 41.40 | 71.92 |
| REAL TIME LBMP | | | | | | | | | | | |
| Unweighted Price * | 34.07 | 33.95 | 32.48 | 36.00 | 37.58 | 57.93 | 52.89 | 53.27 | 52.98 | 53.49 | 63.19 |
| Standard Deviation | 34.71 | 35.29 | 38.10 | 36.97 | 39.19 | 53.49 | 47.42 | 47.79 | 47.49 | 47.84 | 56.39 |

| | ONTARIO IESO | HYDRO QUEBEC (Wheel) | HYDRO QUEBEC (Import/Export) | PJM | NEW ENGLAND | CROSS SOUND CABLE | NORTHPORT- NORWALK | NEPTUNE | LINDEN VFT | HUDSON | Dennison |
|--------------------|-----------------|----------------------------|------------------------------------|--------|----------------|-------------------------|-----------------------|---------------------|---------------------|---------------------|--------------|
| | | | | | | <u>Controllable</u> | <u>Controllable</u> | <u>Controllable</u> | <u>Controllable</u> | <u>Controllable</u> | Controllable |
| | <u>Zone O</u> | <u>Zone M</u> | Zone M | Zone P | <u>Zone N</u> | Line | Line | Line | Line | Line | Line |
| DAY AHEAD LBMP | | | | | | | | | | | |
| Unweighted Price * | 31.31 | 29.86 | 29.86 | 39.35 | 60.19 | 59.98 | 59.48 | 53.23 | 49.23 | 49.08 | 30.09 |
| Standard Deviation | 22.30 | 24.92 | 24.92 | 26.79 | 38.62 | 35.96 | 35.60 | 34.96 | 36.11 | 35.84 | 24.72 |
| RTC LBMP | | | | | | | | | | | |
| Unweighted Price * | 30.93 | 26.56 | 26.55 | 39.74 | 74.13 | 62.15 | 61.69 | 54.78 | 51.45 | 49.84 | 31.71 |
| Standard Deviation | 25.92 | 30.42 | 30.42 | 33.01 | 54.84 | 68.49 | 68.23 | 45.71 | 40.88 | 39.86 | 41.21 |
| REAL TIME LBMP | | | | | | | | | | | |
| Unweighted Price * | 33.25 | 28.97 | 28.95 | 41.20 | 65.44 | 59.70 | 59.18 | 54.17 | 52.97 | 53.02 | 31.58 |
| Standard Deviation | 34.07 | 37.29 | 37.29 | 40.10 | 52.43 | 53.88 | 53.43 | 48.10 | 47.70 | 47.65 | 40.21 |

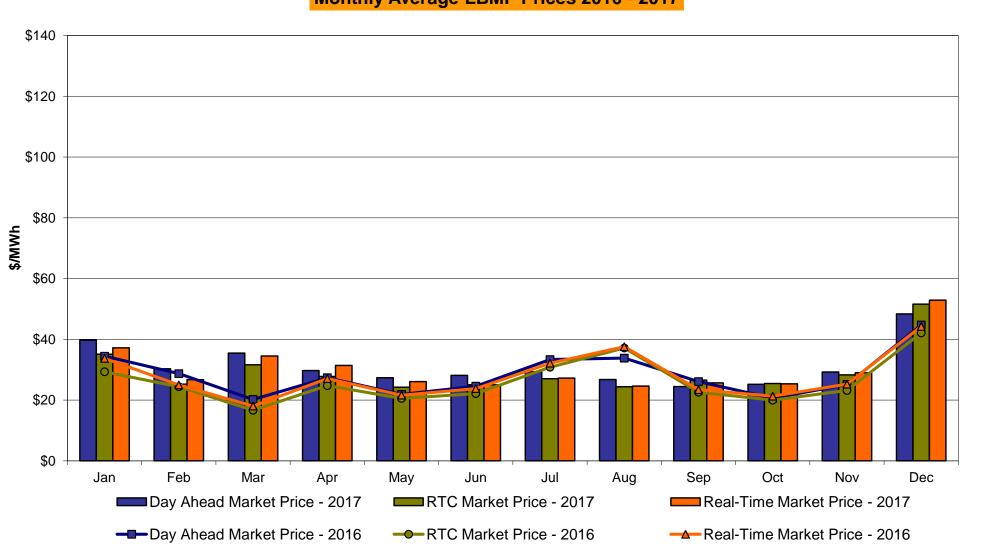
* Straight LBMP averages

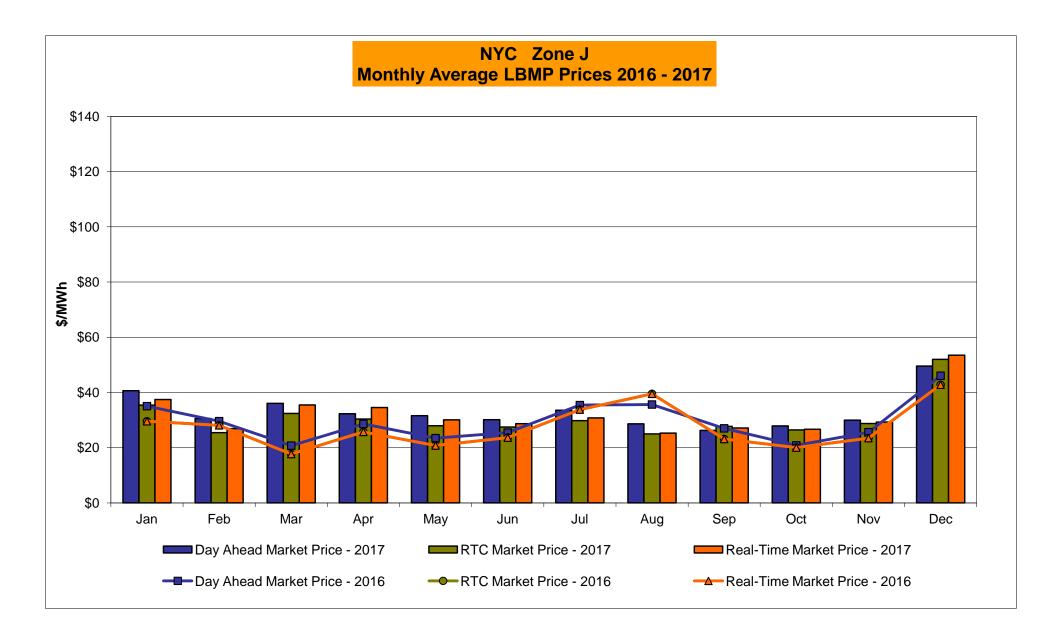


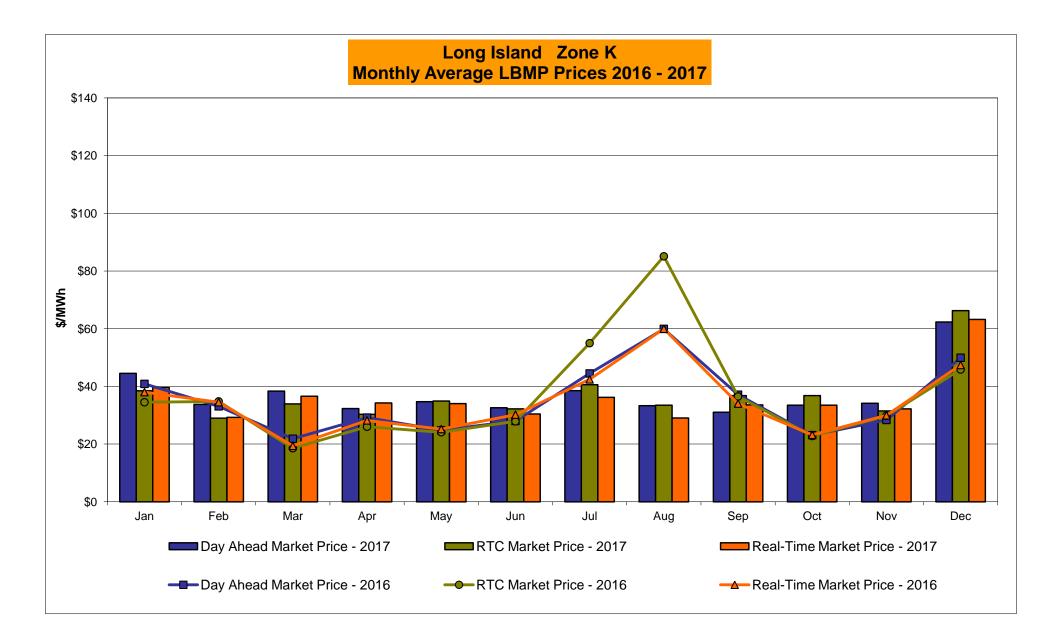


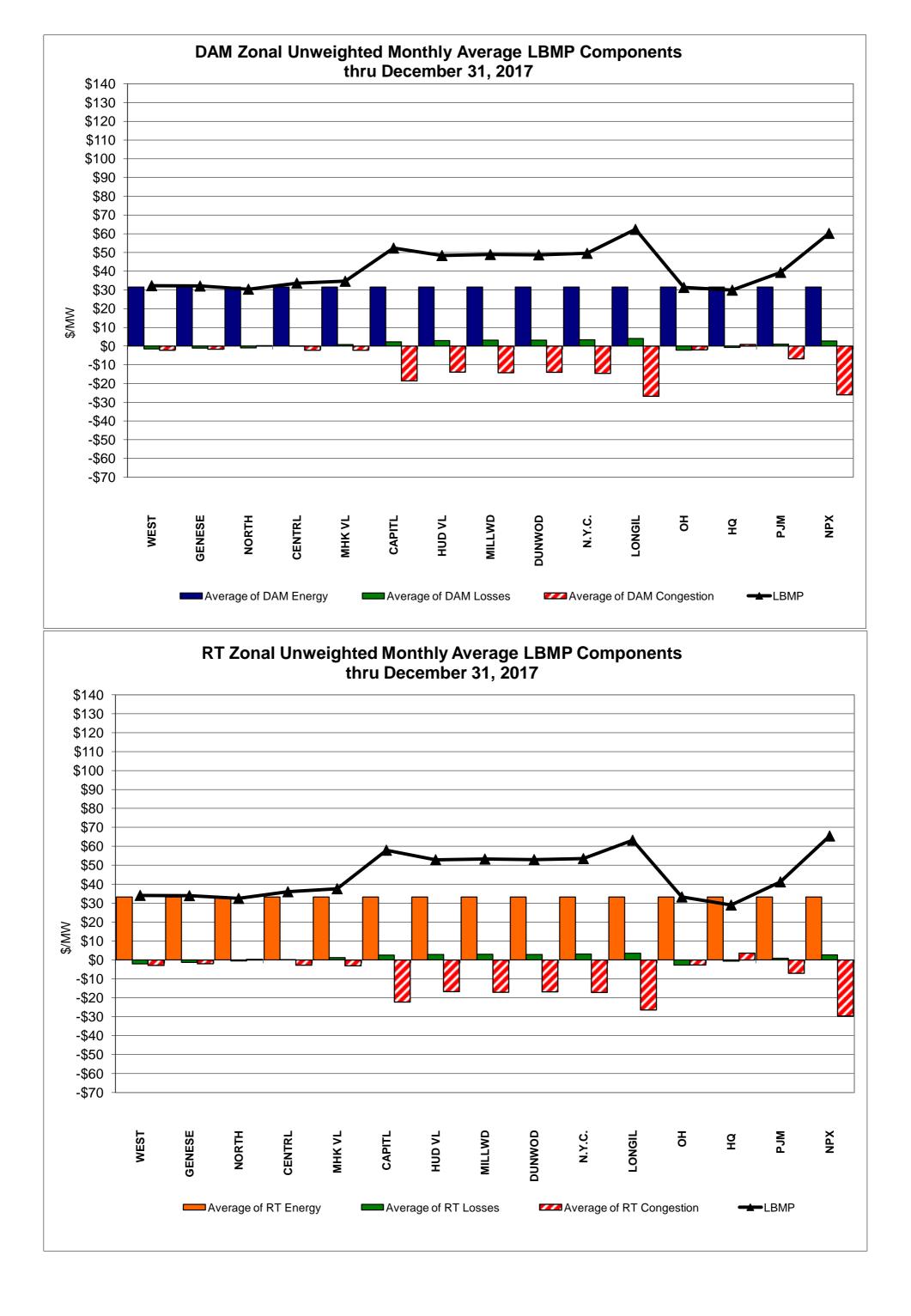


Hudson Valley Zone G Monthly Average LBMP Prices 2016 - 2017

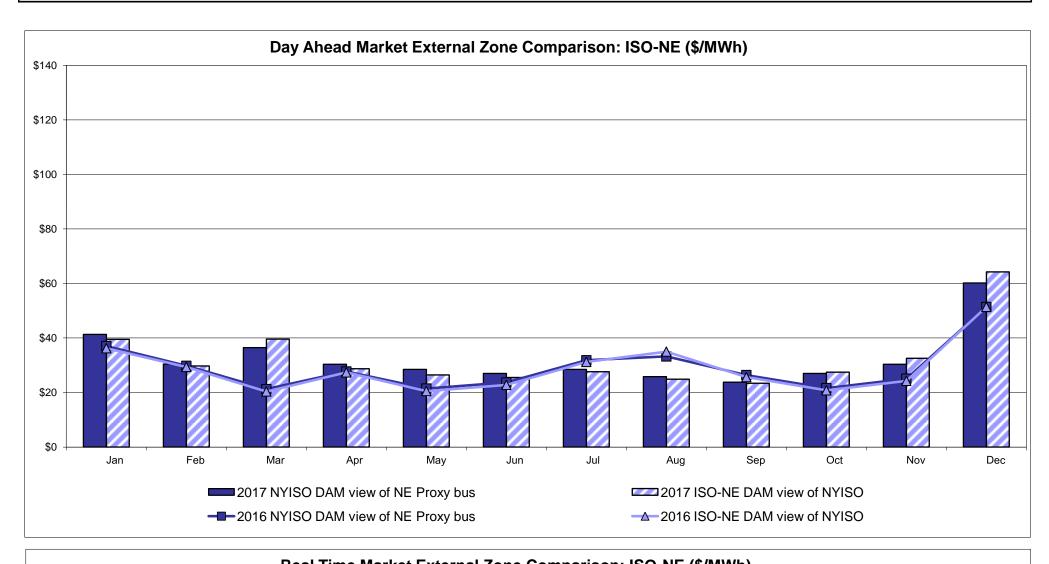




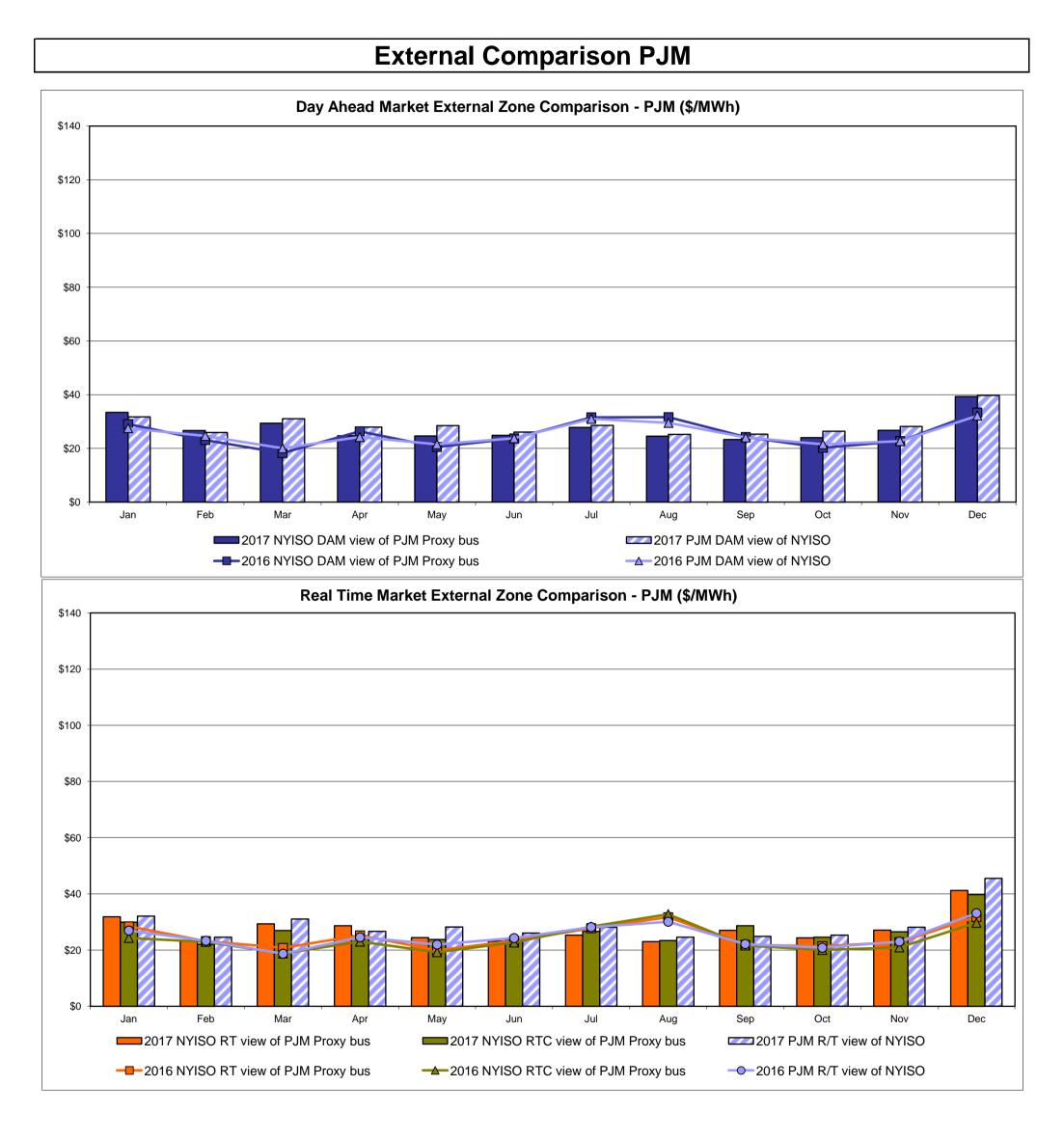




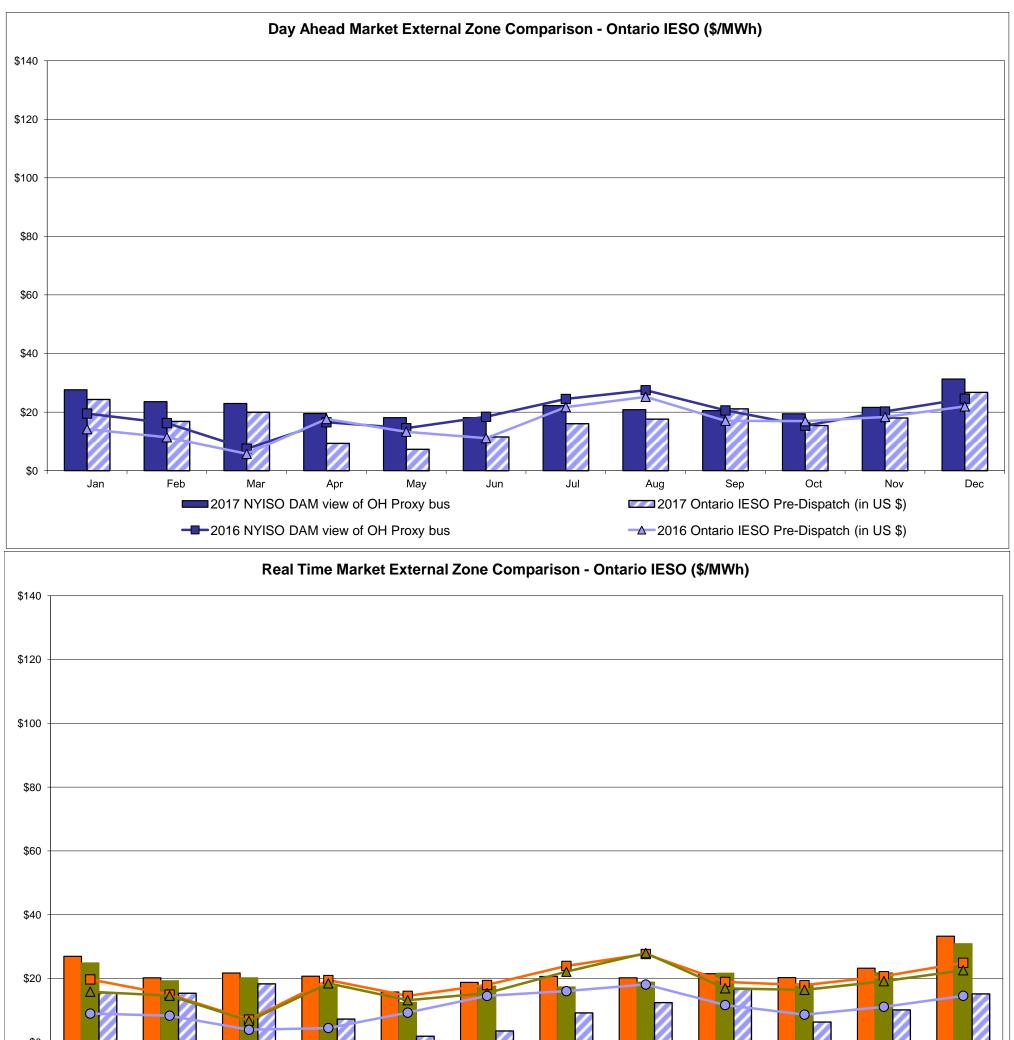
External Comparison ISO-New England



Real Time Market External Zone Comparison: ISO-NE (\$/MWh) \$140 \$120 \$100 \$80 \$60 \$40 \$20 \$0 Feb Mar Jun Jul Sep Nov Dec Jan Apr May Aug Oct 2017 NYISO RT view of NE Proxy bus 2017 NYISO RTC view of NE Proxy bus 2017 ISO-NE R/T view of NYISO -O-2016 ISO-NE R/T view of NYISO 2016 NYISO RT view of NE Proxy bus 2016 NYISO RTC view of NE Proxy bus

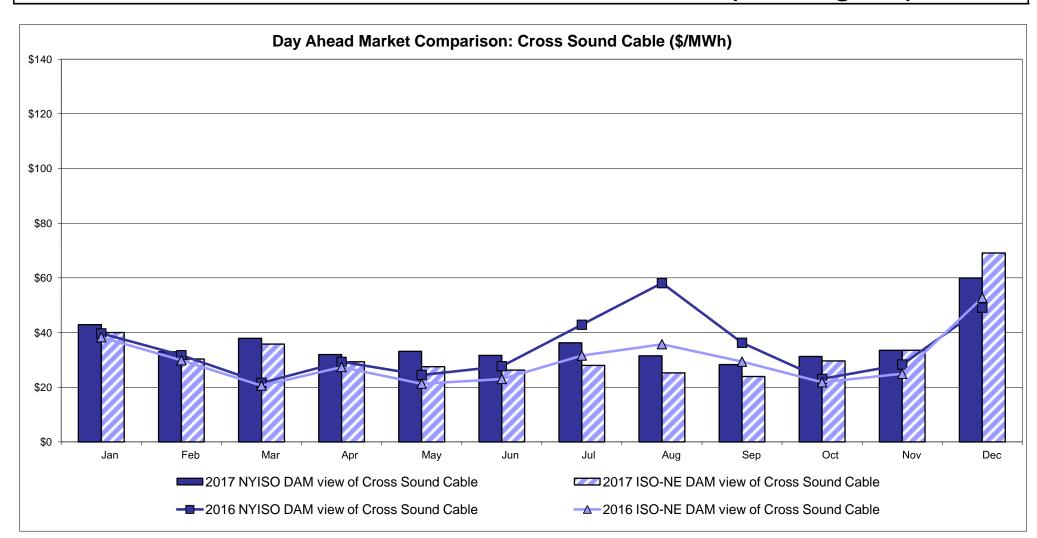


External Comparison Ontario IESO

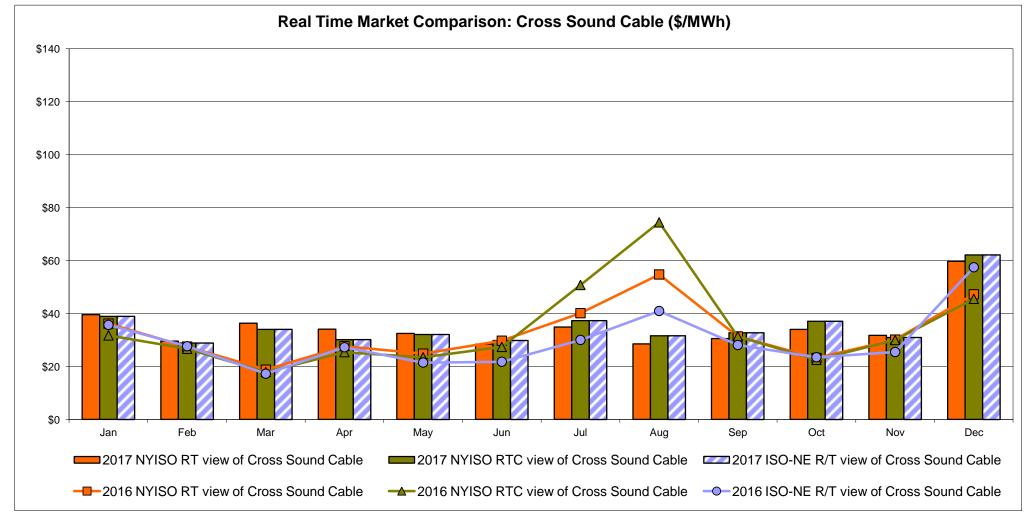




Notes: Exchange factor used for December 2017 was 0.783146683373796 to US HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price



External Controllable Line: Cross Sound Cable (New England)



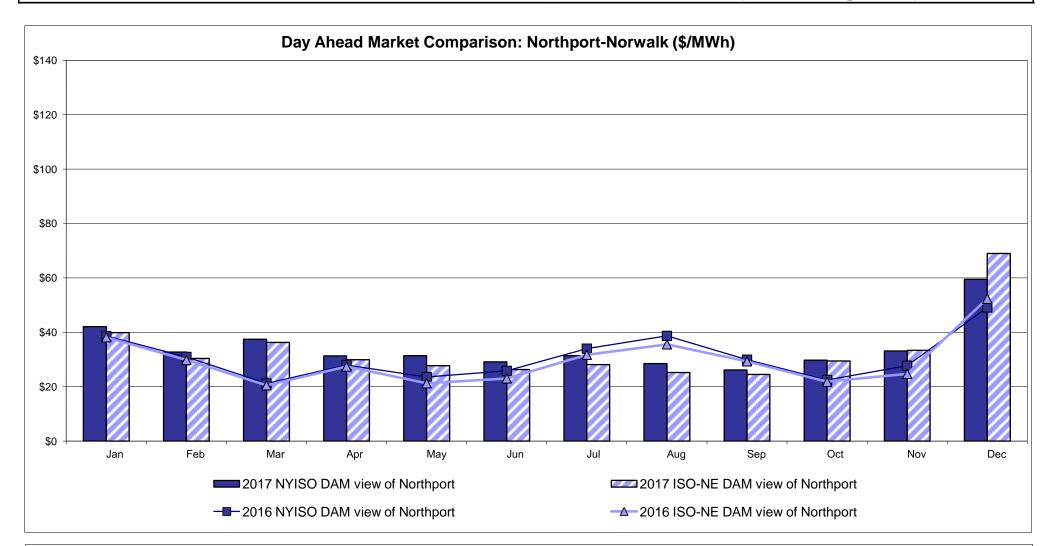
Note:

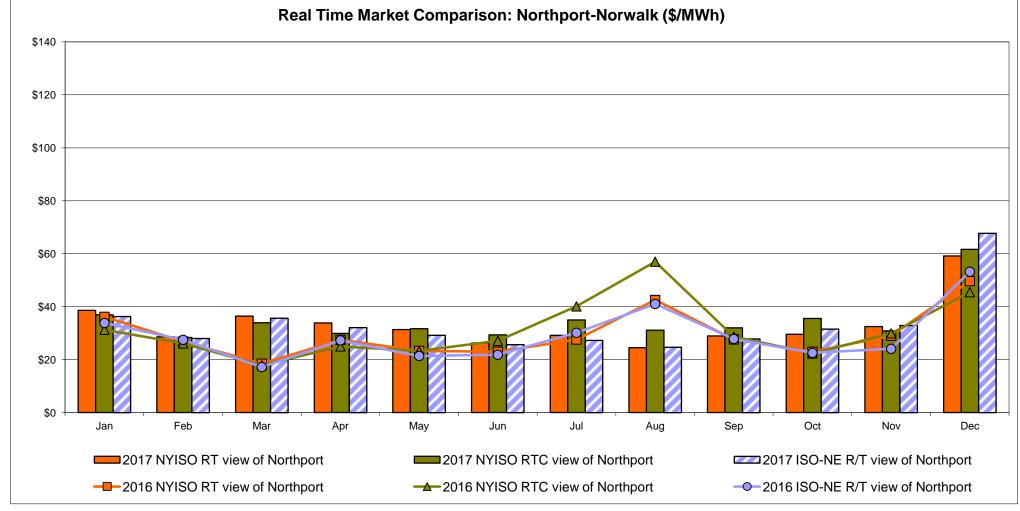
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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)





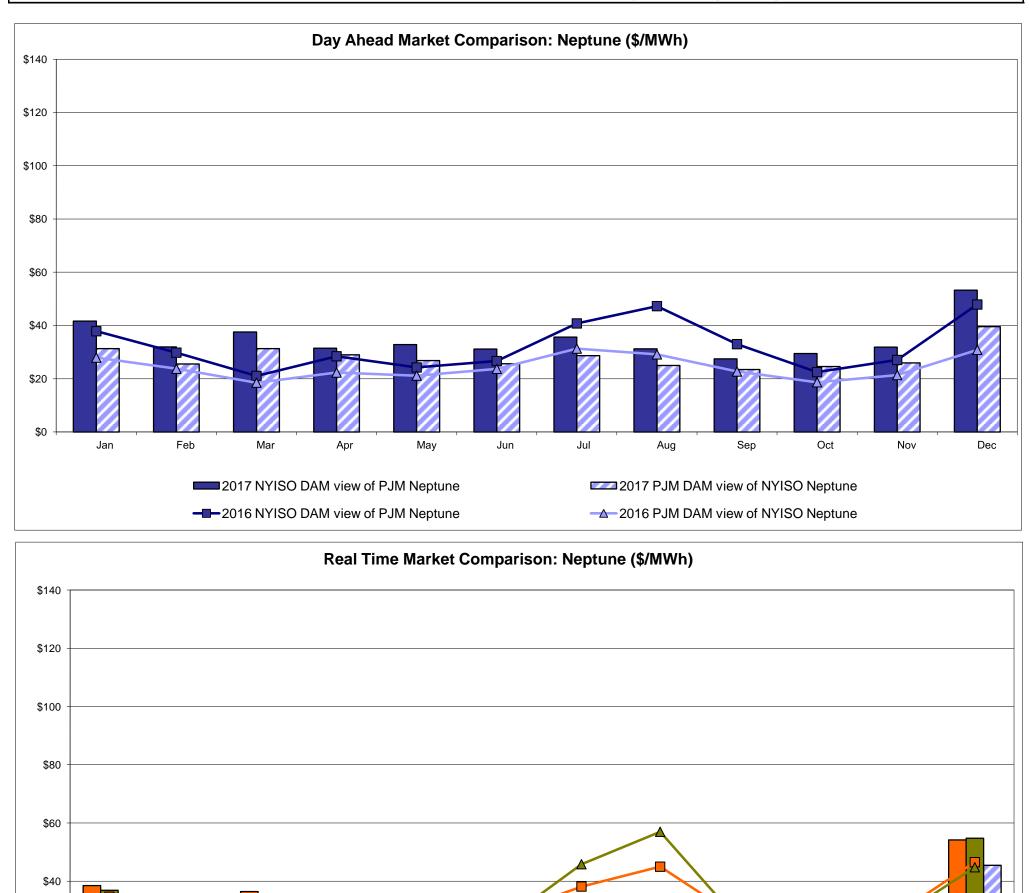
Note:

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)



Feb

2017 NYISO RT view of PJM Neptune

-D-2016 NYISO RT view of PJM Neptune

Mar

\$20

\$0

Jan

Jun

2017 NYISO RTC view of PJM Neptune

-2016 NYISO RTC view of PJM Neptune

Jul

Aug

Sep

Oct

2017 PJM R/T view of NYISO Neptune

-O-2016 PJM R/T view of NYISO Neptune

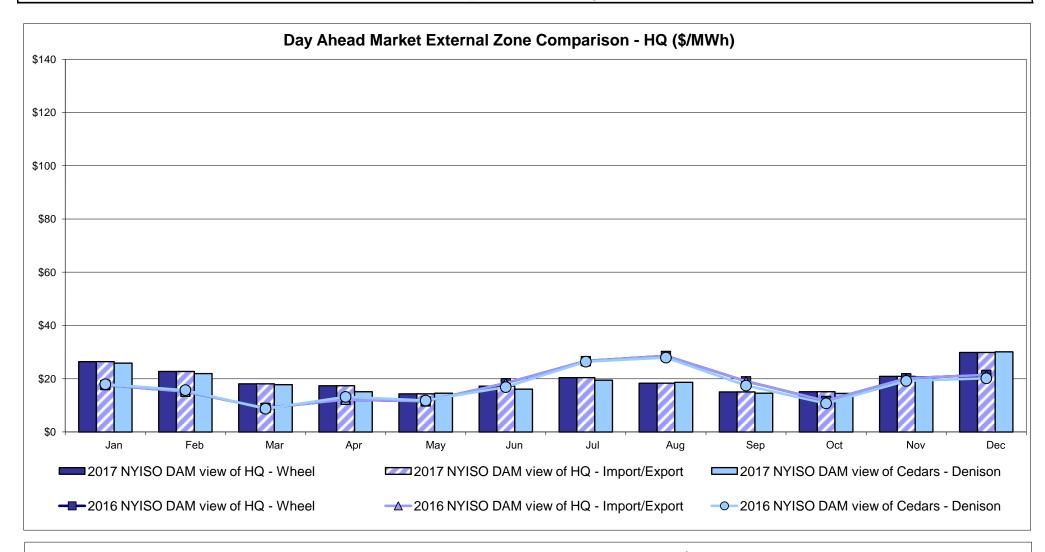
Nov

Dec

May

Apr

External Comparison Hydro-Quebec

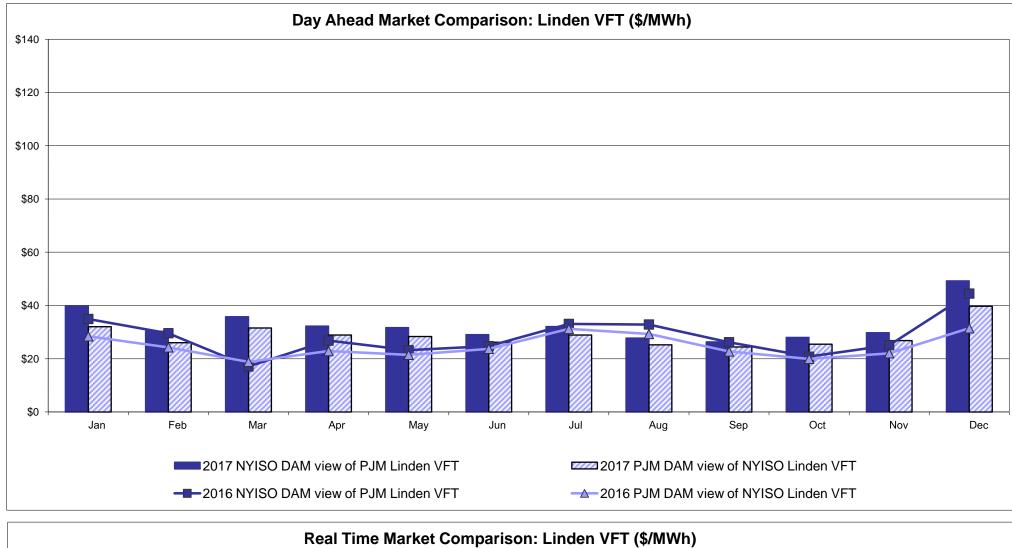


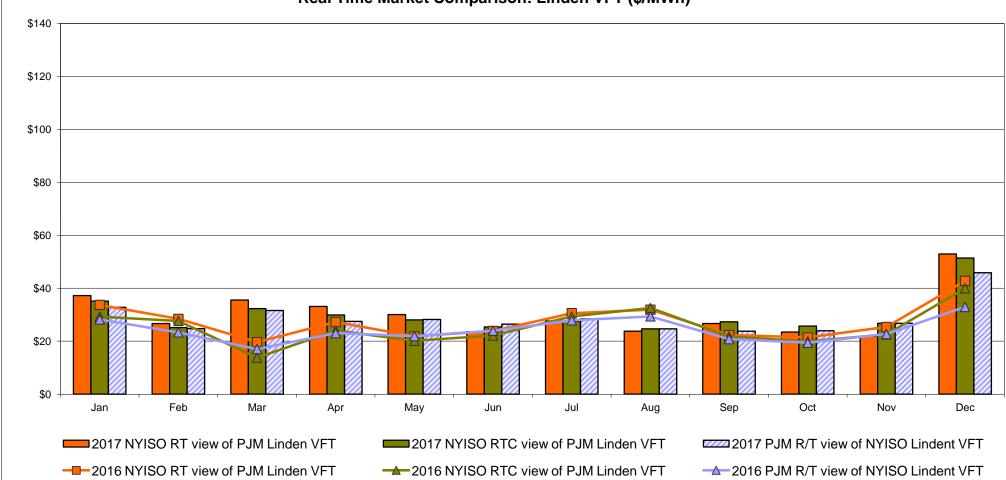
Real Time Market External Zone Comparison - HQ (\$/MWh) \$140 \$120 \$100 \$80 \$60 \$40 \$20 \bigcirc \$0 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec 2017 NYISO RT view of HQ - Wheel 2017 NYISO RT view of HQ - Import/Export 2017 NYISO RT view of Cedars - Denison -O-2016 NYISO RT view of Cedars - Denison - 2016 NYISO RT view of HQ - Wheel 2016 NYISO RT view of HQ - Import/Export

Note:

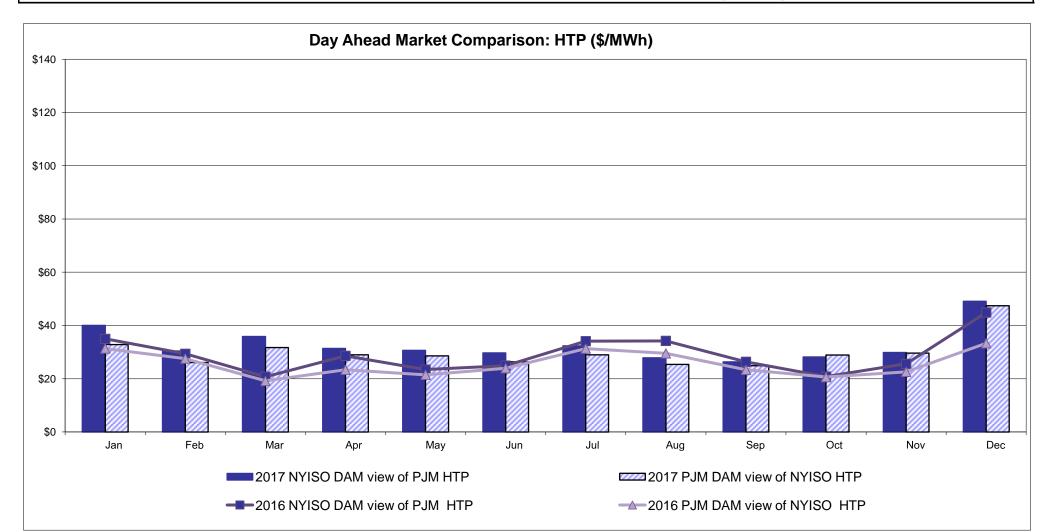
Hydro-Quebec Prices are unavailable.

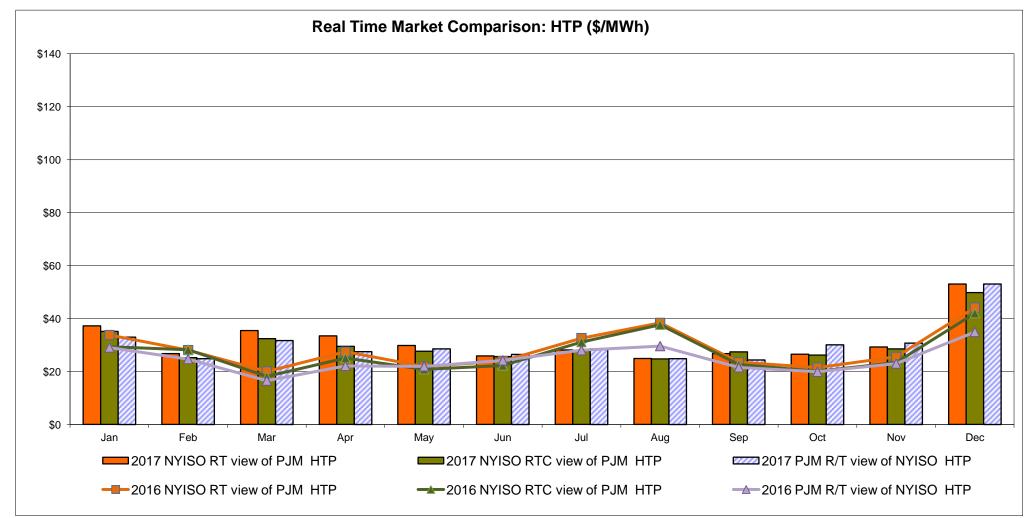
External Controllable Line: Linden VFT (PJM)





External Controllable Line: Hudson (PJM)



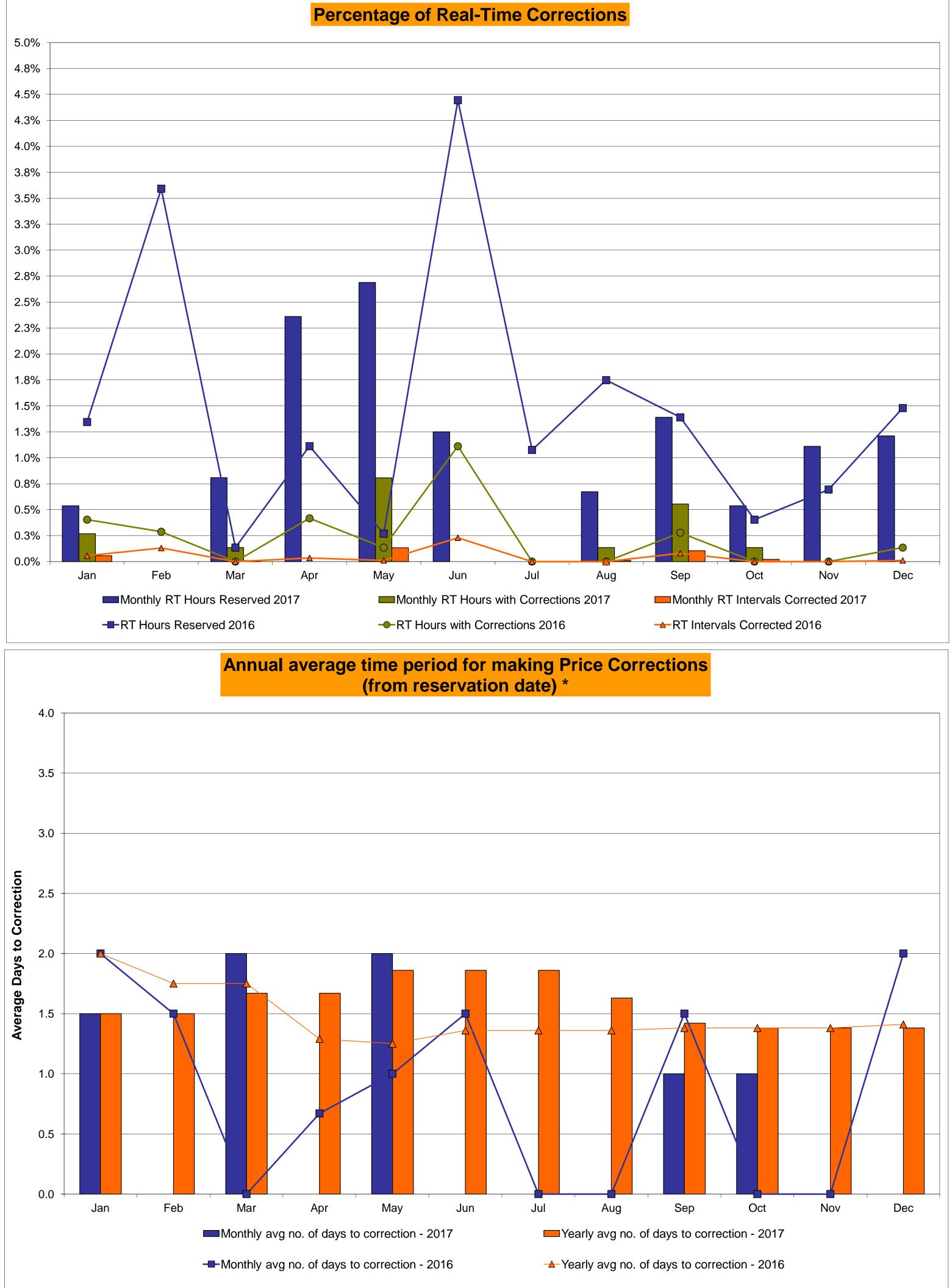


NYISO Real Time Price Correction Statistics

| 2017 | | January | February | March | <u>April</u> | May | <u>June</u> | <u>July</u> | <u>August</u> | <u>September</u> | <u>October</u> | November | <u>December</u> |
|--|--|---|--|--|--|--|--|--|---|---|--|--|--|
| Hour Corrections Number of hours with corrections | in the month | 2 | 0 | 1 | 0 | 6 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| Number of hours | in the month | 2 744 | 672 | 743 | 720 | 744 | 720 | 744 | 744 | 720 | 744 | 721 | 744 |
| % of hours with corrections | in the month | 0.27% | 0.00% | 0.13% | 0.00% | 0.81% | 0.00% | 0.00% | 0.13% | 0.56% | 0.13% | 0.00% | 0.00% |
| | | | | | | | | | | | | | |
| % of hours with corrections Interval Corrections | year-to-date | 0.27% | 0.14% | 0.14% | 0.10% | 0.25% | 0.21% | 0.18% | 0.17% | 0.21% | 0.21% | 0.19% | 0.17% |
| Number of intervals corrected | in the month | 5 | 0 | 1 | 0 | 12 | 0 | 0 | 1 | 9 | 2 | 0 | 0 |
| Number of intervals | in the month | 8,983 | 8,101 | 9,026 | 8,745 | 9,004 | 8,712 | 8,968 | 8,980 | 8,701 | 9,006 | 8,712 | 9,063 |
| % of intervals corrected | in the month | 0.06% | 0.00% | 0.01% | 0.00% | 0.13% | 0.00% | 0.00% | 0.01% | 0.10% | 0.02% | 0.00% | 0.00% |
| % of intervals corrected | year-to-date | 0.06% | 0.03% | 0.02% | 0.02% | 0.04% | 0.03% | 0.03% | 0.03% | 0.04% | 0.03% | 0.03% | 0.03% |
| Hours Reserved | j e e. 10 e e e e | | | 0.0270 | 0.0270 | 010170 | 010070 | 0.0070 | 0.0070 | 010170 | 010070 | 010070 | 010070 |
| Number of hours reserved | in the month | 4 | 0 | 6 | 17 | 20 | 9 | 0 | 5 | 10 | 4 | 8 | 9 |
| Number of hours | in the month | 744 | 672 | 743 | 720 | 744 | 720 | 744 | 744 | 720 | 744 | 721 | 744 |
| % of hours reserved | in the month | 0.54% | 0.00% | 0.81% | 2.36% | 2.69% | 1.25% | 0.00% | 0.67% | 1.39% | 0.54% | 1.11% | 1.21% |
| % of hours reserved | year-to-date | 0.54% | 0.28% | 0.46% | 0.94% | 1.30% | 1.29% | 1.10% | 1.05% | 1.08% | 1.03% | 1.04% | 1.05% |
| Days to Correction * | <u> </u> | | | | | | | | | | | | |
| Avg. number of days to correction | in the month | 1.50 | 0.00 | 2.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 1.00 | 1.00 | 0.00 | 0.00 |
| Avg. number of days to correction | year-to-date | 1.50 | 1.50 | 1.67 | 1.67 | 1.86 | 1.86 | 1.86 | 1.63 | 1.42 | 1.38 | 1.38 | 1.38 |
| Days Without Corrections | | | | | | | | | | | | | |
| Days without corrections | in the month | 29 | 28 | 30 | 30 | 27 | 30 | 31 | 30 | 26 | 30 | 30 | 31 |
| Days without corrections | year-to-date | 29 | 57 | 87 | 117 | 144 | 174 | 205 | 235 | 261 | 291 | 321 | 352 |
| | | | | | | | | | | | | | |
| 2016 | | January | February | March | April | May | June | July | August | September | October | November | December |
| 2016 Hour Corrections | | January | <u>February</u> | March | <u>April</u> | <u>May</u> | <u>June</u> | <u>July</u> | <u>August</u> | <u>September</u> | <u>October</u> | <u>November</u> | <u>December</u> |
| | in the month | <u>January</u> 3 | <u>February</u> 2 | <u>March</u> 0 | <u>April</u> 3 | <u>May</u> 1 | <u>June</u> 8 | <u>July</u> 0 | <u>August</u> 0 | <u>September</u> 2 | <u>October</u> 0 | <u>November</u> 0 | <u>December</u> 1 |
| Hour Corrections | in the month in the month | | | | - | <u>May</u> 1 744 | | - | | | | | <u>December</u> 1 744 |
| Hour Corrections Number of hours with corrections | | 3 | 2 | 0 | 3 | 1 | 8 | 0 | 0 | 2 | 0 | 0 | 1 |
| Hour Corrections Number of hours with corrections Number of hours | in the month in the month | 3 744 0.40% | 2 696 0.29% | 0 743 0.00% | 3 720 0.42% | 1 744 0.13% | 8 720 1.11% | 0 744 0.00% | 0 744 0.00% | 2 720 0.28% | 0 744 0.00% | 0 721 0.00% | 1 744 0.13% |
| Hour Corrections Number of hours with corrections Number of hours % of hours with corrections | in the month | 3 744 | 2 696 | 0 743 | 3 720 | 1 744 | 8 720 | 0 744 | 0 744 | 2 720 | 0 744 | 0 721 | 1 744 |
| Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections | in the month in the month | 3 744 0.40% | 2 696 0.29% | 0 743 0.00% | 3 720 0.42% | 1 744 0.13% | 8 720 1.11% | 0 744 0.00% | 0 744 0.00% | 2 720 0.28% | 0 744 0.00% | 0 721 0.00% | 1 744 0.13% |
| Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections | in the month in the month year-to-date | 3 744 0.40% 0.40% | 2 696 0.29% 0.35% | 0 743 0.00% 0.23% | 3 720 0.42% 0.28% | 1 744 0.13% | 8 720 1.11% 0.39% | 0 744 0.00% 0.33% | 0 744 0.00% 0.29% | 2 720 0.28% | 0 744 0.00% 0.26% | 0 721 0.00% 0.24% | 1 744 0.13% |
| Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals corrected | in the month in the month year-to-date in the month | 3 744 0.40% <u>0.40%</u> 5 | 2 696 0.29% <u>0.35%</u> 11 | 0 743 0.00% <u>0.23%</u> 0 | 3 720 0.42% 0.28% 3 | 1 744 0.13% <u>0.25%</u> 1 | 8 720 1.11% 0.39% 20 | 0 744 0.00% <u>0.33%</u> 0 | 0 744 0.00% <u>0.29%</u> 0 | 2 720 0.28% 0.29% 7 | 0 744 0.00% <u>0.26%</u> 0 | 0 721 0.00% <u>0.24%</u> 0 | 1 744 0.13% <u>0.23%</u> 1 |
| Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals | in the month in the month year-to-date in the month in the month | 3 744 0.40% <u>0.40%</u> 5 9,000 | 2 696 0.29% 0.35% 11 8,440 | 0 743 0.00% <u>0.23%</u> 0 8,995 | 3 720 0.42% 0.28% 3 8,724 | 1 744 0.13% <u>0.25%</u> 1 8,987 | 8 720 1.11% 0.39% 20 8,725 | 0 744 0.00% <u>0.33%</u> 0 9,038 | 0 744 0.00% <u>0.29%</u> 0 9,048 | 2 720 0.28% 0.29% 7 8,713 | 0 744 0.00% <u>0.26%</u> 0 8,960 | 0 721 0.00% 0.24% 0 8,724 | 1 744 0.13% <u>0.23%</u> 1 9,034 |
| Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals corrected | in the month in the month year-to-date in the month in the month in the month | 3 744 0.40% <u>0.40%</u> 5 9,000 0.06% | 2 696 0.29% <u>0.35%</u> 11 8,440 0.13% | 0 743 0.00% <u>0.23%</u> 0 8,995 0.00% | 3 720 0.42% 0.28% 3 8,724 0.03% | 1 744 0.13% <u>0.25%</u> 1 8,987 0.01% | 8 720 1.11% 0.39% 20 8,725 0.23% | 0 744 0.00% 0.33% 0 9,038 0.00% | 0 744 0.00% 0.29% 0 9,048 0.00% | 2 720 0.28% 0.29% 7 8,713 0.08% | 0 744 0.00% <u>0.26%</u> 0 8,960 0.00% | 0 721 0.00% 0.24% 0 8,724 0.00% | 1 744 0.13% <u>0.23%</u> 1 9,034 0.01% |
| Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals corrected% of intervals corrected% of intervals corrected | in the month in the month year-to-date in the month in the month in the month | 3 744 0.40% <u>0.40%</u> 5 9,000 0.06% | 2 696 0.29% <u>0.35%</u> 11 8,440 0.13% | 0 743 0.00% <u>0.23%</u> 0 8,995 0.00% | 3 720 0.42% 0.28% 3 8,724 0.03% | 1 744 0.13% <u>0.25%</u> 1 8,987 0.01% | 8 720 1.11% 0.39% 20 8,725 0.23% | 0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 | 0 744 0.00% 0.29% 0 9,048 0.00% | 2 720 0.28% 0.29% 7 8,713 0.08% | 0 744 0.00% <u>0.26%</u> 0 8,960 0.00% | 0 721 0.00% 0.24% 0 8,724 0.00% | 1 744 0.13% <u>0.23%</u> 1 9,034 0.01% |
| Hour Corrections Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected % of intervals corrected % of intervals corrected | in the month in the month year-to-date in the month in the month in the month year-to-date | 3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 | 2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 | 0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 | 3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 | 1 744 0.13% <u>0.25%</u> 1 8,987 0.01% 0.05% 2 744 | 8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 | 0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 | 0 744 0.00% <u>0.29%</u> 0 9,048 0.00% 0.06% 13 744 | 2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 | 0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 | 0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 | 1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 744 |
| Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsNumber of intervals correctedNumber of intervals% of intervals corrected% of intervals correctedMumber of hours reserved | in the month in the month year-to-date in the month in the month year-to-date in the month | 3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 | 2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 | 0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 | 3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 | 1 744 0.13% <u>0.25%</u> 1 8,987 0.01% <u>0.05%</u> 2 | 8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 | 0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 | 0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 | 2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 | 0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 | 0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 | 1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 |
| Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsMumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reservedNumber of hours | in the month in the month year-to-date in the month in the month year-to-date in the month in the month | 3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 | 2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 | 0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 | 3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 | 1 744 0.13% <u>0.25%</u> 1 8,987 0.01% 0.05% 2 744 | 8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 | 0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 | 0 744 0.00% <u>0.29%</u> 0 9,048 0.00% 0.06% 13 744 | 2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 | 0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 | 0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 | 1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 744 |
| Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reservedNumber of hours reserved% of hours reserved% of hours reserved | in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month | 3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% | 2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% | 0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% | 3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% | 1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% | 8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% | 0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% | 0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% | 2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% | 0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% | 0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% | 1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 744 1.48% |
| Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reservedNumber of hours reserved% of hours reserved% of hours reserved% of hours reserved% of hours reserved | in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month | 3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% | 2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% | 0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% | 3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% | 1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% | 8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% | 0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% | 0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% | 2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% | 0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% | 0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% | 1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 744 1.48% |
| Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reserved% of | in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month year-to-date | 3 744 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% 1.34% | 2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% 2.43% | 0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% 1.65% | 3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% 1.52% | 1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% 1.26% | 8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% 1.79% | 0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% 1.68% | 0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% 1.69% | 2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% 1.66% | 0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% 1.53% | 0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% 1.46% | 1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 744 1.48% 1.46% |
| Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of hours reservedNumber of hours reserved% of hours reservedDays to Correction *Avg. number of days to correctionAvg. number of days to correctionDays Without Corrections | in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month year-to-date in the month year-to-date | 3 744 0.40% 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% 1.34% 1.34% 2.00 2.00 | 2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% 2.43% 1.50 1.75 | 0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% 1.65% 0.00 1.75 | 3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% 1.52% 0.67 1.29 | 1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% 1.26% 1.00 1.25 | 8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% 1.79% 1.50 1.36 | 0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% 1.68% 0.00 1.36 | 0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% 1.69% 0.00 1.36 | 2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% 1.66% 1.50 1.38 | 0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% 1.53% 0.00 1.38 | 0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% 1.46% 0.00 1.38 | 1 744 0.13% 0.23% 1 9,034 0.01% 0.05% 11 744 1.48% 1.46% 2.00 1.41 |
| Hour CorrectionsNumber of hours with correctionsNumber of hours% of hours with corrections% of hours with correctionsInterval CorrectionsInterval CorrectionsNumber of intervals correctedNumber of intervals corrected% of intervals corrected% of intervals corrected% of intervals correctedMumber of hours reservedNumber of hours reserved% of hours reserved | in the month in the month year-to-date in the month in the month in the month year-to-date in the month in the month in the month in the month in the month | 3 744 0.40% 0.40% 0.40% 5 9,000 0.06% 0.06% 10 744 1.34% 1.34% 1.34% 2.00 | 2 696 0.29% 0.35% 11 8,440 0.13% 0.09% 25 696 3.59% 2.43% 1.50 | 0 743 0.00% 0.23% 0 8,995 0.00% 0.06% 1 743 0.13% 1.65% 0.00 | 3 720 0.42% 0.28% 3 8,724 0.03% 0.05% 8 720 1.11% 1.52% 0.67 | 1 744 0.13% 0.25% 1 8,987 0.01% 0.05% 2 744 0.27% 1.26% 1.00 | 8 720 1.11% 0.39% 20 8,725 0.23% 0.08% 32 720 4.44% 1.79% 1.50 | 0 744 0.00% 0.33% 0 9,038 0.00% 0.06% 8 744 1.08% 1.68% 0.00 | 0 744 0.00% 0.29% 0 9,048 0.00% 0.06% 13 744 1.75% 1.69% 0.00 | 2 720 0.28% 0.29% 7 8,713 0.08% 0.06% 10 720 1.39% 1.66% 1.50 | 0 744 0.00% 0.26% 0 8,960 0.00% 0.05% 3 744 0.40% 1.53% 0.00 | 0 721 0.00% 0.24% 0 8,724 0.00% 0.05% 5 721 0.69% 1.46% 0.00 | 1 744 0.13% <u>0.23%</u> 1 9,034 0.01% <u>0.05%</u> 11 744 1.48% <u>1.46%</u> 2.00 |

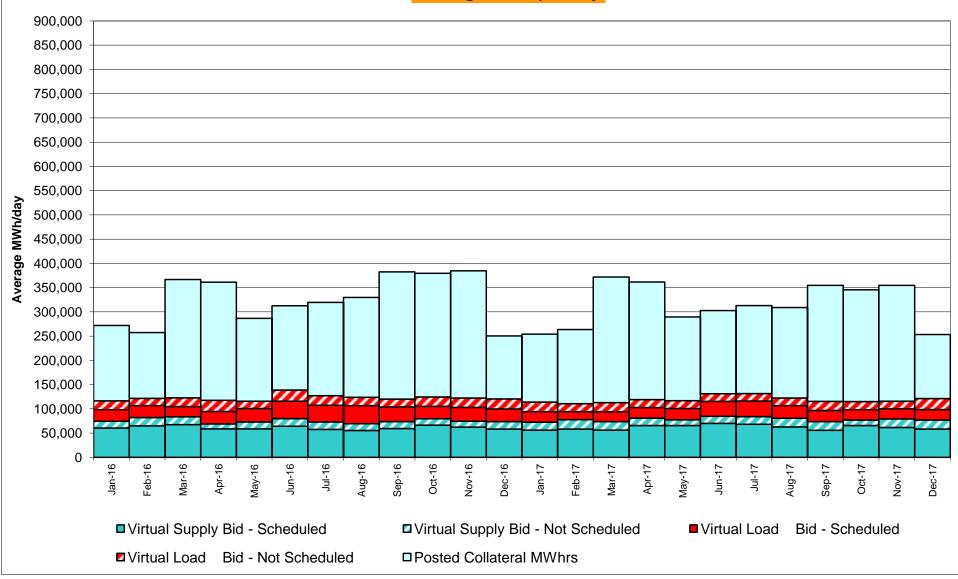
* Calendar days from reservation date.

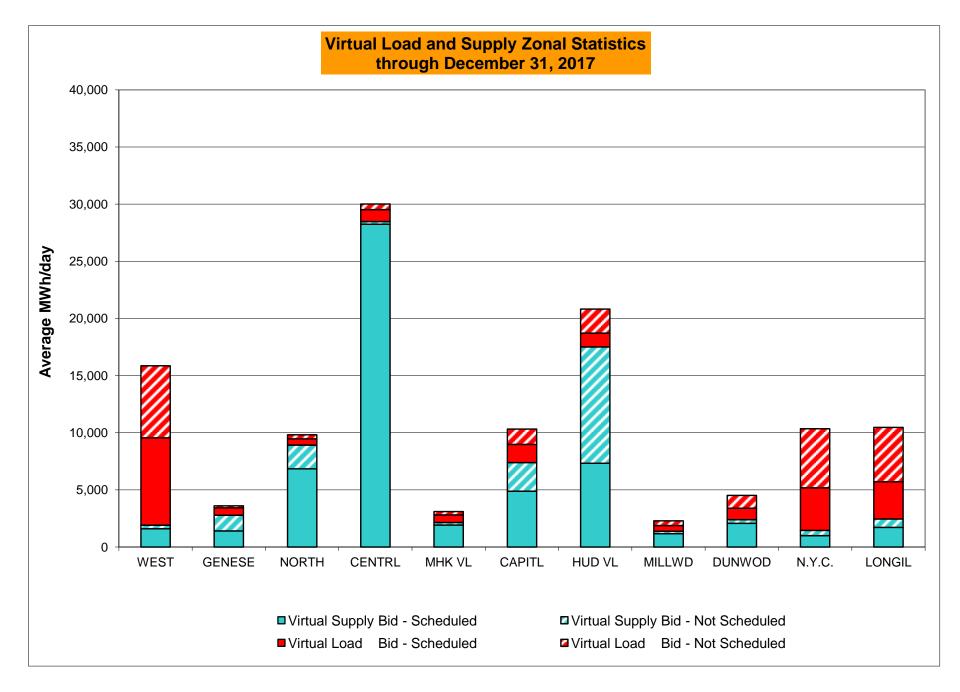
May and June 2017 Hours Reserved data has been updated for the July 2017 Monthly Market Operations Report.



* Calendar days from reservation date.

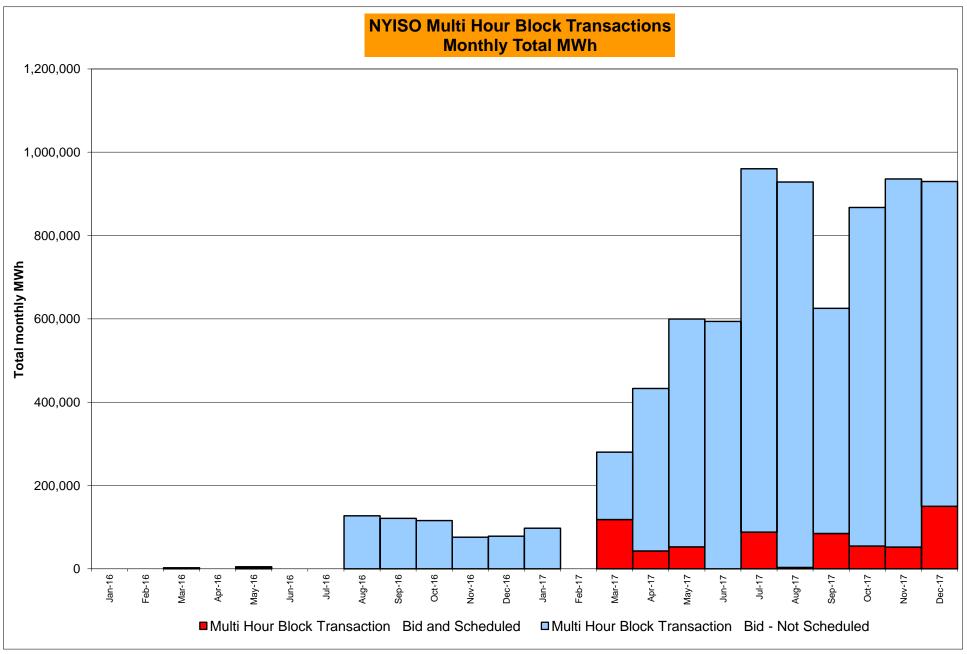
NYISO Virtual Trading Average MWh per day

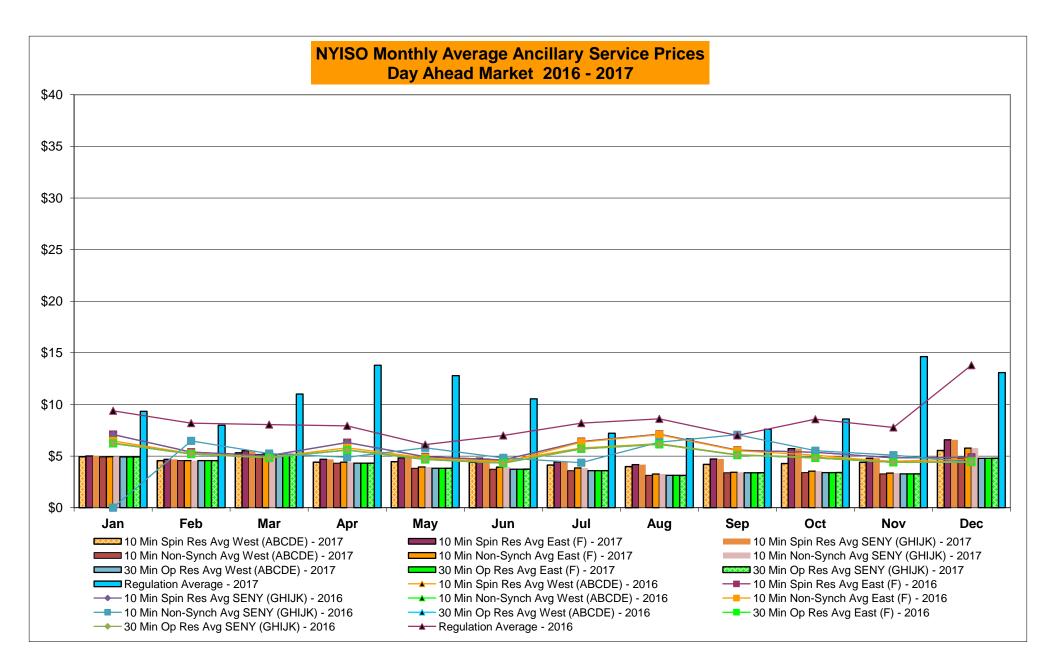


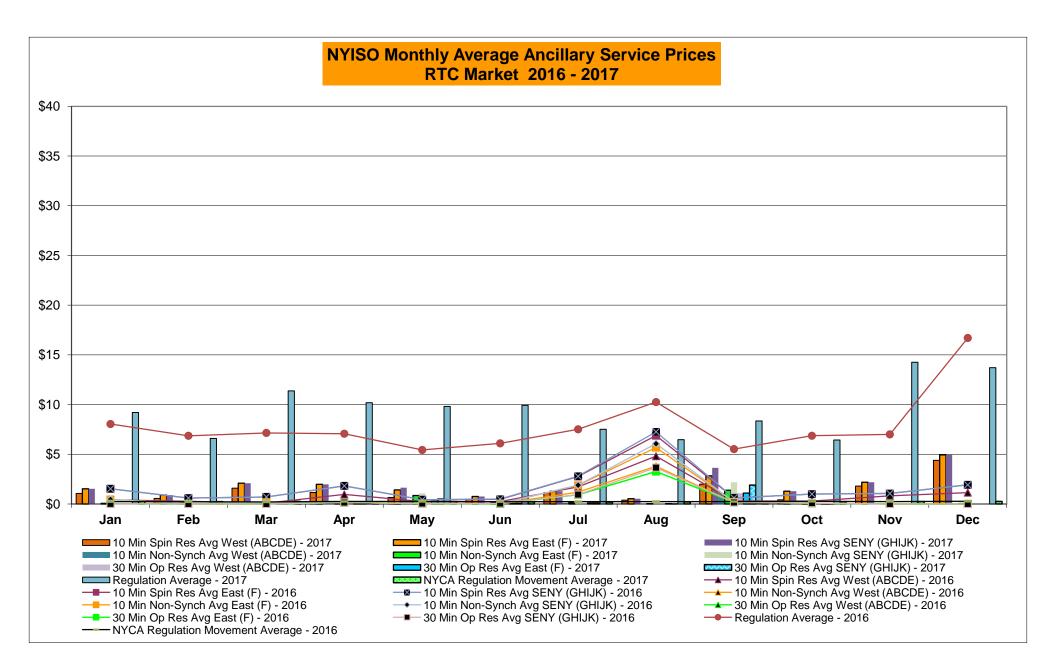


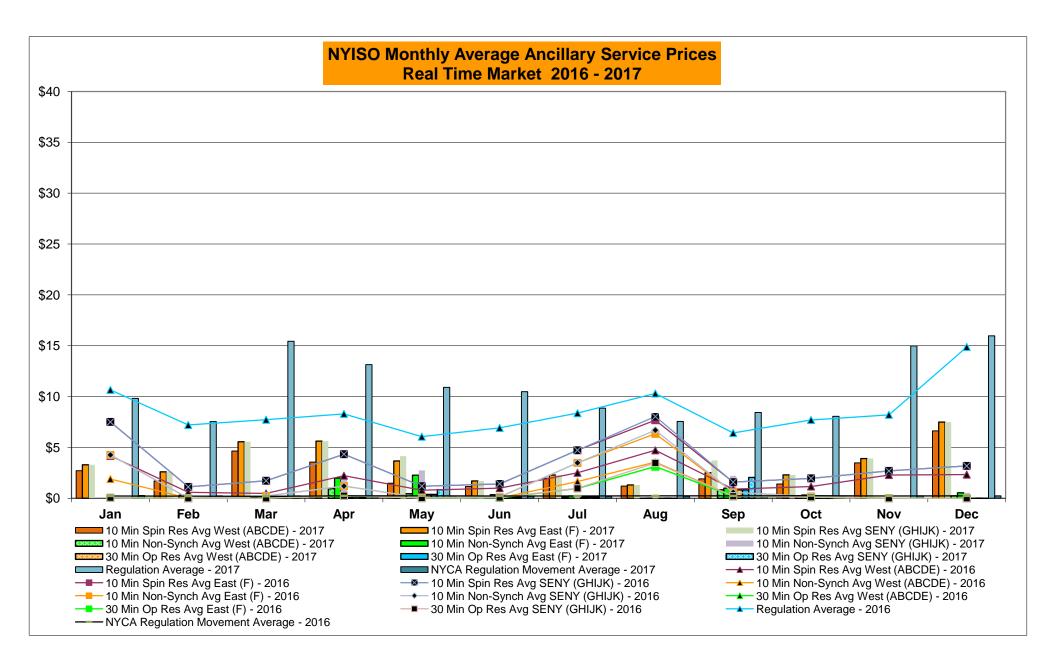
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2017

| | | Virtual L | oad Bid | Virtual S | upply Bid | | | Virtual I | _oad Bid | Virtual Su | Ipply Bid | | | Virtual I | oad Bid | Virtual Su | upply Bid |
|--------|------------------|-----------|-----------|----------------|----------------|--------|------------------|-----------|-----------|----------------|-----------|--------|------------------|-----------|----------------|----------------|---------------------------------------|
| | | | Not | | Not | | | - Thuar L | Not | | Not | | | | Not | | Not |
| Zone | Date | Scheduled | Scheduled | Scheduled | Scheduled | Zone | Date | Scheduled | Scheduled | Scheduled | Scheduled | Zone | Date | Scheduled | Scheduled | Scheduled | Scheduled |
| WEST | Jan-17 | 6,094 | 5,795 | 2,019 | 337 | MHK VL | Jan-17 | | | 2,022 | 131 | DUNWOD | Jan-17 | 304 | 832 | 5,708 | 389 |
| | Feb-17 | | 4,772 | 3,346 | 567 | | Feb-17 | | | 2,459 | 293 | | Feb-17 | 193 | 585 | 5,966 | 424 |
| | Mar-17 | 6,522 | 4,960 | 2,386 | 616 | | Mar-17 | | | 3,594 | 378 | | Mar-17 | 436 | 763 | 4,871 | 439 232 |
| | Apr-17 | 6,956 | | 1,934 | 699 | | Apr-17 | | | 2,856 | 430 | | Apr-17 | 1,097 | 406 | 3,517 | 232 |
| | May-17 | 8,468 | | 1,261 | 546 | | May-17 | | | 2,786 | 401 | | May-17 | 1,215 | | 1,863 | 276 |
| | Jun-17 | 10,776 | | 1,497 | 512 | | Jun-17 | | | 2,492 | 586 | | Jun-17 | 1,117 | | 3,281 | 383 |
| | Jul-17 | 10,883 | | 2,341 | 538 | | Jul-17 | | | 3,324 | 468 | | Jul-17 | 2,287 | 281 | 2,848 | 246 |
| | Aug-17 | 9,289 | | 3,043 | 595 | | Aug-17 | | | 2,915 | | | Aug-17 | 875 | | 2,611 | 160 |
| | Sep-17 | | | 1,056 | 334 | | Sep-17 | | | 2,432 | 892 | | Sep-17 | 987 | 526 | 2,397 | 469 |
| | Oct-17 | 6,899 | | 1,404 | 341 | | Oct-17 | | | 2,429 | 316 | | Oct-17 | 2,900 | 990 | 2,337 | 193 |
| | Nov-17 | 8,471 | 5,925 | 1,255 | 447 | | Nov-17 | | | 1,920 | 437 | | Nov-17 | 804 | 602 | 2,097 | 191 |
| | Dec-17 | 7,637 | 6,302 | 1,605 | 308 | | Dec-17 | 664 | 296 | 1,931 | 212 | | Dec-17 | 998 | 1,125 | 2,074 | 324 |
| GENESE | Jan-17 | 654 | 1,282 | 3,652 | 2,482 | CAPITL | Jan-17 | 1,291 | 666 | 3,990 | 3,861 | N.Y.C. | Jan-17 | 5,761 | 5,474 | 1,543 | 1,008 |
| | Feb-17 | 276 | 600 | 3,782 | 3,206 | | Feb-17 | 1,115 | 409 | 3,432 | 3,798 | | Feb-17 | 4,622 | 5,309 | 1,712 | 1,219 |
| | Mar-17 | 480 | 838 | 3,806 | 3,419 | | Mar-17 | 1,409 | 528 | 5,186 | 2,484 | | Mar-17 | 4,052 | 5,826 | 1,561 | 1,058 |
| | Apr-17 | 353 | 656 | 4,074 | 2,880 | | Apr-17 | | | 5,589 | 1,973 | | Apr-17 | 4,374 | 4,331 | 1,161 | 529 |
| | May-17 | 393 | | 4,096 | 2,027 | | May-17 | | | 5,697 | 1,635 | | May-17 | 3,357 | 4,679 | 1,434 | 569 |
| | Jun-17 | | | 2,920 | 2,119 | | Jun-17 | | | 6,479 | 1,916 | | Jun-17 | 8,293 | 4,163 | 1,050 | |
| | Jul-17 | 335 | | 3,494 | 1,622 | | Jul-17 | | | 5,972 | 2,754 | | Jul-17 | 8,732 | 2,726 | 1,728 | 902 |
| | Aug-17 | 505 | | 3,186 | 1,912 | | Aug-17 | | | 6,112 | 2,682 | | Aug-17 | 5,911 | 2,890 | 1,284 | 430 |
| | Sep-17 | 541 | | 2,105 | 1,132 | | Sep-17 | | | 4,943 | 2,426 | | Sep-17 | 3,224 | 3,937 | 1,972 | 1,027 |
| | Oct-17 | | | 3,393 | 1,130 | | Oct-17 | | | 5,055 | 1,578 | | Oct-17 | 2,251 | 3,626 | 6,178 | 1,547 |
| | Nov-17 | 542 | | 2,741 | 1,193 | | Nov-17 | , | | 5,858 | 2,645 | | Nov-17 | 2,734 | 3,637 | 1,659 | 672 |
| | Dec-17 | 644 | 183 | 1,416 | 1,364 | | Dec-17 | 1,587 | 1,348 | 4,887 | 2,505 | | Dec-17 | 3,714 | 5,174 | 998 | 462 |
| NORTH | Jan-17 | 655 | 316 | 6,415 | 3,473 | HUD VL | Jan-17 | 911 | 817 | 5,317 | 3,064 | LONGIL | Jan-17 | 3,559 | 3,788 | 1,354 | 1,367 |
| | Feb-17 | 465 | | 7,504 | 4,006 | | Feb-17 | | | 6,266 | 3,873 | | Feb-17 | 3,341 | 3,127 | 1,653 | 1,667 |
| | Mar-17 | | | 7,227 | 4,576 | | Mar-17 | | , | 5,427 | , | | Mar-17 | 4,133 | 3,779 | 1,958 | |
| | Apr-17 | | | 7,520 | 4,435 | | Apr-17 | | | 5,708 | | | Apr-17 | 3,706 | | 1,748 | |
| | May-17 | 555 | | 7,848 | 2,436 | | May-17 | | | 6,608 | 2,378 | | May-17 | 4,232 | | 1,740 | |
| | Jun-17 | 552 | | 6,955 | 2,920 | | Jun-17 | | | 6,861 | 3,317 | | Jun-17 | 4,848 | | 1,402 | |
| | Jul-17 | | | 6,883 | 2,889 | | Jul-17 | | | 6,184 | 4,114 | | Jul-17 | 4,846 | | 1,320 | |
| | Aug-17 | 625 | | 7,799 | 4,744 | | Aug-17 | | | 7,576 | | | Aug-17 | | 2,711 | 1,379 | |
| | Sep-17 | | | 6,315 | 5,216 | | Sep-17 | | | 5,422 | | | Sep-17 | 4,083 | | 1,355 | |
| | Oct-17 | 533 | | 7,470 | 3,864 | | Oct-17 | | 1,116 | 6,240 | 1,414 | | Oct-17 | 3,842 | | 1,676 | |
| | Nov-17 Dec-17 | | | 7,726 6,845 | 2,190 2,079 | | Nov-17 Dec-17 | | | 7,281 7,335 | 8,210 | | Nov-17 Dec-17 | | 2,757 4,750 | 1,643 1,721 | 507 739 |
| | Dec-17 | 541 | 359 | 0,043 | 2,079 | | Dec-17 | 1,210 | 2,100 | 7,335 | 10,170 | | Dec-17 | 3,251 | 4,750 | 1,721 | 735 |
| CENTRL | Jan-17 | 1,482 | 455 | 22,561 | 196 | MILLWD | Jan-17 | 435 | 91 | 1,422 | 128 | NYISO | Jan-17 | 21,713 | 19,719 | 56,001 | 16,436 |
| | Feb-17 | | | 20,639 | 320 | | Feb-17 | 202 | | 1,555 | 164 | | Feb-17 | 16,405 | 16,406 | 58,312 | |
| | Mar-17 | | | 18,610 | 518 | | Mar-17 | | | 1,452 | 158 | | Mar-17 | 19,956 | , | 56,078 | · · · · · · · · · · · · · · · · · · · |
| | Apr-17 | 1,079 | | 30,148 | 519 | | Apr-17 | | | 1,228 | 149 | | Apr-17 | 21,767 | 16,586 | 65,484 | 15,411 |
| | May-17 | 1,472 | | 30,724 | 312 | | May-17 | | | 1,474 | 195 | | May-17 | 23,320 | 16,222 | 65,531 | 11,774 |
| | Jun-17 | | | 35,205 | 380 | | Jun-17 | | | 2,019 | | | Jun-17 | 30,736 | | 70,160 | |
| | Jul-17 | | | 32,177 | 303 | | Jul-17 | | | 1,865 | 361 | | Jul-17 | 32,377 | 15,396 | 68,136 | |
| | Aug-17 | 1,566 | | 25,045 | 258 | | Aug-17 | | | 1,923 | 272 | | Aug-17 | 26,086 | | 62,874 | 17,809 |
| | Sep-17 | | | 26,053 | 381 | | Sep-17 | | | 1,815 | | | Sep-17 | 22,912 | | 55,865 | |
| | Oct-17 | | | 27,605 | 188 | | Oct-17 | | | 1,956 | 212 | | Oct-17 | 21,430 | | 65,743 | |
| | Nov-17 | 1,151 | 290 | 27,934 | 440 | | Nov-17 | 573 | 283 | 1,653 | 401 | | Nov-17 | 20,922 | 15,591 | 61,766 | 17,332 |





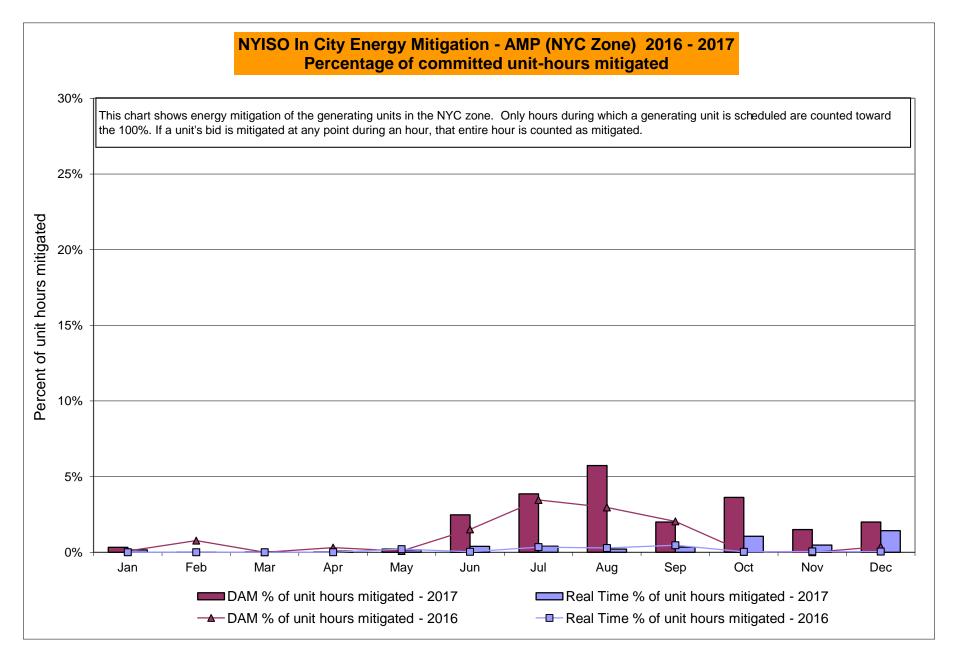


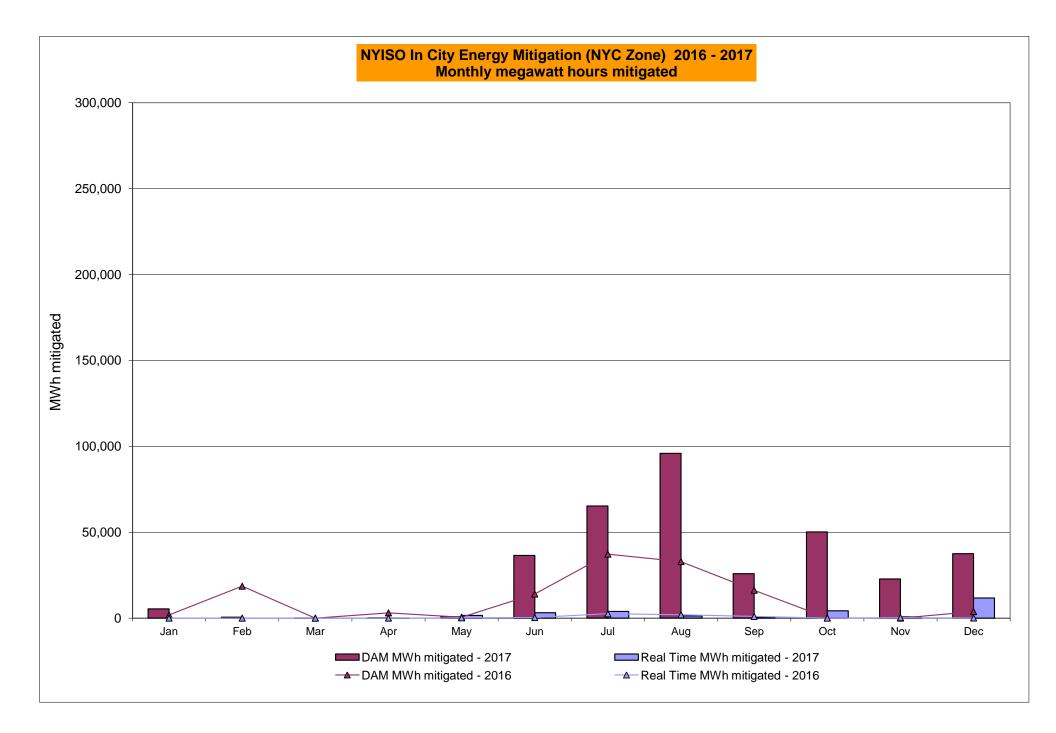


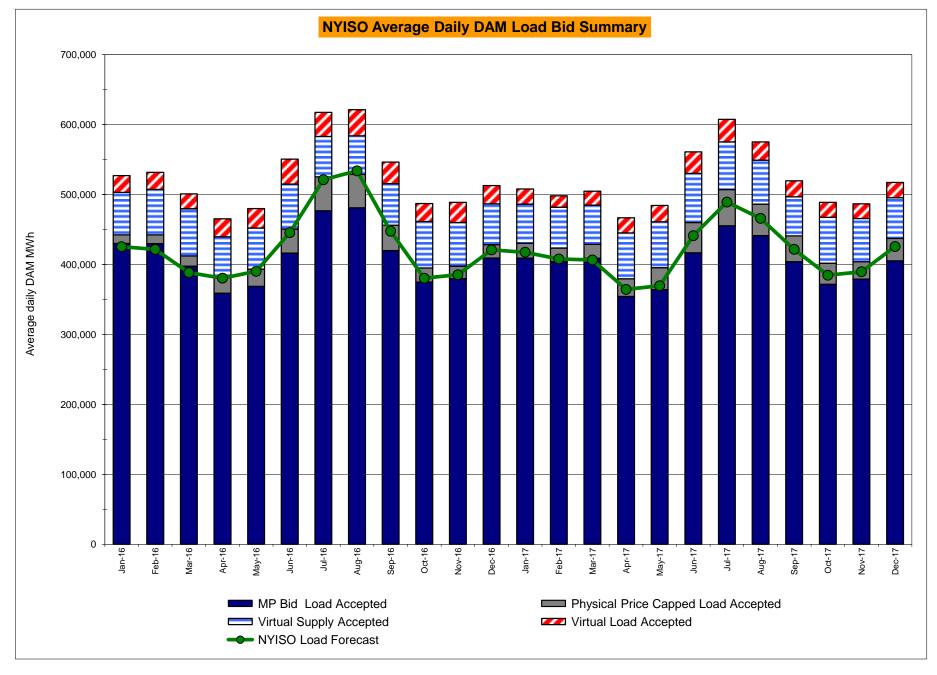
NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

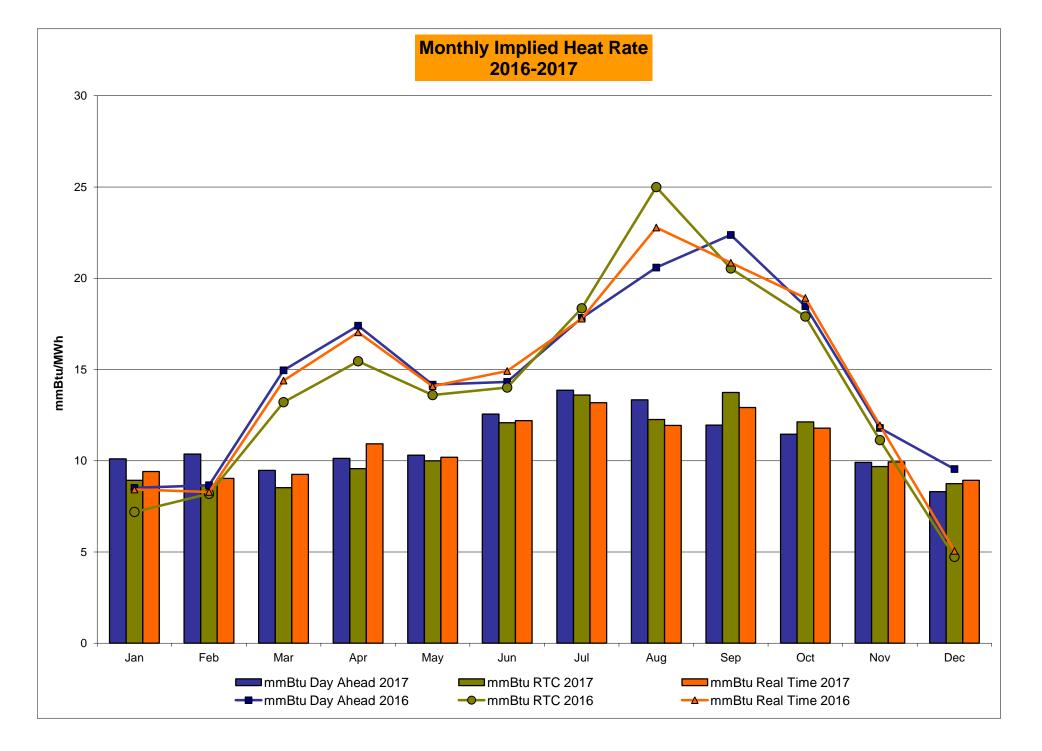
| | | Iai nels A | i oniai y | | | | |
|---|--|--|--|--|--|--|---|
| 2017 | <u>January</u> | February | March | <u>April</u> | May | <u>June</u> | July |
| Day Ahead Market | <u>e cantel can y</u> | <u> </u> | | <u></u> | <u></u> | <u>•••••</u> | <u>•••·</u> |
| 10 Min Spin SENY (GHIJK) | 5.01 | 4.68 | 5.53 | 4.68 | 4.82 | 4.79 | 4.44 |
| 10 Min Spin East (F) | 5.01 | 4.68 | 5.53 | 4.68 | 4.82 | 4.79 | 4.44 |
| 10 Min Spin West (ABCDE) | 4.94 | 4.56 | 5.31 | 4.41 | 4.45 | 4.39 | 4.13 |
| 10 Min Non Synch SENY (GHIJK) | 4.94 | 4.57 | 5.20 | 4.41 | 3.95 | 3.92 | 3.85 |
| 10 Min Non Synch East (F) | 4.94 | 4.57 | 5.20 | 4.41 | 3.95 | 3.92 | 3.85 |
| 10 Min Non Synch West (ABCDE) | 4.92 | 4.56 | 5.17 | 4.31 | 3.82 | 3.73 | 3.59 |
| 30 Min SENY (GHIJK) | 4.92 | 4.56 | 5.17 | 4.31 | 3.82 | 3.73 | 3.59 |
| 30 Min East (F) | 4.92 | 4.56 | 5.17 | 4.31 | 3.82 | 3.73 | 3.59 |
| 30 Min West (ABCDE) | 4.92 | 4.56 | 5.17 | 4.31 | 3.82 | 3.73 | 3.59 |
| Regulation | 9.34 | 7.99 | 11.01 | 13.80 | 12.79 | 10.55 | 7.22 |
| • | 9.04 | 7.55 | 11.01 | 13.00 | 12.79 | 10.55 | 1.22 |
| RTC Market | | | | | | | |
| 10 Min Spin SENY (GHIJK) | 1.53 | 0.89 | 2.08 | 1.97 | 1.64 | 0.75 | 1.28 |
| 10 Min Spin East (F) | 1.53 | 0.89 | 2.08 | 1.97 | 1.41 | 0.75 | 1.28 |
| 10 Min Spin West (ABCDE) | 1.06 | 0.55 | 1.58 | 1.16 | 0.65 | 0.47 | 1.13 |
| 10 Min Non Synch SENY (GHIJK) | 0.06 | 0.06 | 0.10 | 0.14 | 1.08 | 0.13 | 0.13 |
| 10 Min Non Synch East (F) | 0.06 | 0.06 | 0.10 | 0.14 | 0.85 | 0.13 | 0.13 |
| 10 Min Non Synch West (ABCDE) | 0.00 | 0.00 | 0.10 | 0.07 | 0.31 | 0.05 | 0.11 |
| 30 Min SENY (GHIJK) | 0.00 | 0.00 | 0.10 | 0.03 | 0.50 | 0.05 | 0.11 |
| 30 Min East (F) | 0.00 | 0.00 | 0.10 | 0.03 | 0.27 | 0.05 | 0.11 |
| 30 Min West (ABCDE) | | | 0.10 | 0.03 | 0.27 | 0.05 | |
| , , | 0.00 | 0.00 | | | | | 0.11 |
| Regulation | 9.21 | 6.59 | 11.37 | 10.18 | 9.82 | 9.92 | 7.51 |
| NYCA Regulation Movement | 0.27 | 0.24 | 0.25 | 0.22 | 0.24 | 0.21 | 0.19 |
| Real Time Market | | | | | | | |
| 10 Min Spin SENY (GHIJK) | 3.29 | 2.61 | 5.56 | 5.62 | 4.14 | 1.71 | 2.29 |
| 10 Min Spin East (F) | 3.29 | 2.61 | 5.56 | 5.62 | 3.67 | 1.71 | 2.29 |
| 10 Min Spin West (ABCDE) | 2.71 | 1.71 | 4.65 | 3.56 | 1.48 | 1.15 | 1.98 |
| 10 Min Non Synch SENY (GHIJK) | 0.00 | 0.31 | 0.17 | 1.99 | 2.75 | 0.36 | 0.23 |
| 10 Min Non Synch East (F) | 0.00 | 0.31 | 0.17 | 1.99 | 2.28 | 0.36 | 0.23 |
| 10 Min Non Synch West (ABCDE) | 0.00 | 0.00 | 0.13 | 0.95 | 0.44 | 0.10 | 0.13 |
| | | | | | | | |
| 30 Min SENY (GHIJK) | 0.00 | 0.00 | 0.12 | 0.06 | 0.85 | 0.10 | 0.13 |
| 30 Min East (F) | 0.00 | 0.00 | 0.12 | 0.06 | 0.38 | 0.10 | 0.13 |
| 30 Min West (ABCDE) | 0.00 | 0.00 | 0.12 | 0.06 | 0.38 | 0.10 | 0.13 |
| Regulation | 9.83 | 7.54 | 15.44 | 13.15 | 10.91 | 10.48 | 8.87 |
| NYCA Regulation Movement | 0.27 | 0.24 | 0.25 | 0.20 | 0.22 | 0.19 | 0.19 |
| | | | | | | | |
| | | | N 4 1- | A | N 4 | 1 | 1 I |
| 2016 | <u>January</u> | <u>February</u> | March | <u>April</u> | <u>May</u> | <u>June</u> | <u>July</u> |
| Day Ahead Market | | | | | | | |
| Day Ahead Market 10 Min Spin SENY (GHIJK) | 7.09 | 5.38 | 5.04 | 6.31 | 4.93 | 4.62 | 6.41 |
| Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) | 7.09 7.09 | 5.38 5.38 | 5.04 5.04 | 6.31 6.31 | 4.93 4.93 | 4.62 4.62 | 6.41 6.41 |
| Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) | 7.09 7.09 6.28 | 5.38 5.38 5.25 | 5.04 5.04 4.84 | 6.31 6.31 5.60 | 4.93 4.93 4.77 | 4.62 4.62 4.52 | 6.41 6.41 5.78 |
| Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) | 7.09 7.09 6.28 6.47 | 5.38 5.38 5.25 5.25 | 5.04 5.04 4.84 4.88 | 6.31 6.31 5.60 5.80 | 4.93 4.93 4.77 4.83 | 4.62 4.62 4.52 4.36 | 6.41 6.41 5.78 6.34 |
| Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) | 7.09 7.09 6.28 | 5.38 5.38 5.25 | 5.04 5.04 4.84 | 6.31 6.31 5.60 | 4.93 4.93 4.77 | 4.62 4.62 4.52 | 6.41 6.41 5.78 |
| Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) | 7.09 7.09 6.28 6.47 | 5.38 5.38 5.25 5.25 | 5.04 5.04 4.84 4.88 | 6.31 6.31 5.60 5.80 | 4.93 4.93 4.77 4.83 | 4.62 4.62 4.52 4.36 | 6.41 6.41 5.78 6.34 |
| Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) | 7.09 7.09 6.28 6.47 6.47 | 5.38 5.38 5.25 5.25 5.25 | 5.04 5.04 4.84 4.88 4.88 | 6.31 6.31 5.60 5.80 5.80 | 4.93 4.93 4.77 4.83 4.83 | 4.62 4.62 4.52 4.36 4.36 | 6.41 6.41 5.78 6.34 6.34 |
| Day Ahead Market 10 Min Spin SENY (GHIJK) 10 Min Spin East (F) 10 Min Spin West (ABCDE) 10 Min Non Synch SENY (GHIJK) 10 Min Non Synch East (F) 10 Min Non Synch West (ABCDE) | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 | 5.38 5.38 5.25 5.25 5.25 5.25 5.20 | 5.04 5.04 4.84 4.88 4.88 4.88 | 6.31 6.31 5.60 5.80 5.80 5.58 | 4.93 4.93 4.77 4.83 4.83 4.68 | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 | 6.41 6.41 5.78 6.34 6.34 5.72 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F) | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 | 5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 | 5.04 5.04 4.84 4.88 4.88 4.88 4.84 4.84 4.84 | 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min East (F)30 Min West (ABCDE) | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 | 5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20 | 5.04 5.04 4.84 4.88 4.88 4.88 4.84 4.84 4.84 4 | 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58 | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)Regulation | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 | 5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 | 5.04 5.04 4.84 4.88 4.88 4.88 4.84 4.84 4.84 | 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 | 5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 | 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58 7.93 | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32 7.00 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK) | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 | 5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 | 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58 7.93 | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin East (F) | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 | 5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 | 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58 7.93 1.81 1.81 | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00 0.49 0.46 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE) | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 $1.531.530.42$ | 5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 | 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58 7.93 1.81 1.81 0.95 | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 4.67 6.11 0.43 0.43 0.23 | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK) | 7.097.096.286.476.476.236.236.236.236.239.391.531.531.530.420.45 | 5.38 5.38 5.25 5.25 5.25 5.20 0.59 0.26 0.00 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17 | 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 5.58 7.93 1.81 1.81 1.81 0.95 0.14 | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05 | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin Kest (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F) | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 | 5.38 5.38 5.25 5.25 5.20 0.59 0.26 0.00 0.00 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17 0.17 | $\begin{array}{c} 6.31 \\ 6.31 \\ 5.60 \\ 5.80 \\ 5.80 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 7.93 \\ \end{array}$ | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 | 4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK) | 7.097.096.286.476.476.236.236.236.236.239.391.531.531.530.420.45 | 5.38 5.38 5.25 5.25 5.25 5.20 0.59 0.26 0.00 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17 | 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 5.58 7.93 1.81 1.81 1.81 0.95 0.14 | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05 | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin Kest (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F) | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 | 5.38 5.38 5.25 5.25 5.20 0.59 0.26 0.00 0.00 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17 0.17 | $\begin{array}{c} 6.31 \\ 6.31 \\ 5.60 \\ 5.80 \\ 5.80 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 5.58 \\ 7.93 \\ \end{array}$ | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 | 4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)10 Min Non Synch West (ABCDE)10 Min Non Synch West (ABCDE) | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 | 5.38 5.38 5.25 5.25 5.20 8.19 0.26 0.00 0.00 0.00 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17 0.17 0.00 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ 0.43 \\ 0.43 \\ 0.23 \\ 0.05 \\ 0.05 \\ 0.04 \\ \end{array}$ | 4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK) | 7.09 7.09 6.28 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 | 5.38 5.38 5.25 5.25 5.25 5.20 0.59 0.26 0.00 0.00 0.00 0.00 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4 | 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 5.58 5.58 7.93 1.81 1.81 0.95 0.14 0.14 0.14 0.14 | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ | 4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 0.02 0.04 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F) | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 | 5.38 5.38 5.25 5.25 5.20 0.59 0.26 0.00 0.00 0.00 0.00 0.00 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 0.02 0.04 0.02 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min West (ABCDE)30 Min West (ABCDE) <td>$\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$</td> <td>5.38 5.38 5.25 5.25 5.20 0.59 0.26 0.00</td> <td>5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00 7.15</td> <td>$\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$</td> <td>$\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ $\begin{array}{c} 0.43 \\ 0.43 \\ 0.23 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 5.43 \end{array}$</td> <td>4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02<math>0.02 0</math></td> <td>6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51</td> | $\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$ | 5.38 5.38 5.25 5.25 5.20 0.59 0.26 0.00 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00 7.15 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ $\begin{array}{c} 0.43 \\ 0.43 \\ 0.23 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.04 \\ 0.04 \\ 0.04 \\ 0.04 \\ 5.43 \end{array}$ | 4.62 4.62 4.52 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.020 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min West (ABCDE)30 Min West (ABCDE)30 Min West (ABCDE)RegulationNYCA Regulation Movement | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 0.01 | 5.38 5.38 5.25 5.25 5.25 5.20 0.59 0.26 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.85 0.71 0.71 0.71 0.708 0.17 0.00 0.00 0.00 0.00 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 0.02 0.02 0.02 0.02 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)Regulation RTC Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)30 Min Kest (ABCDE)30 Min SENY (GHIJK)30 Min Kest (ABCDE)30 Min West (ABCDE)RegulationNYCA Regulation MovementReal Time Market | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 9.39 1.53 1.53 0.42 0.45 0.45 0.04 0.01 0.01 0.01 8.04 0.23 | 5.38 5.38 5.25 5.25 5.25 5.20 0.59 0.26 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.21 | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.85 0.71 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00 7.15 0.20 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.020 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)30 Min West (ABCDE)RegulationNYCA Regulation MovementReal Time Market10 Min Spin SENY (GHIJK) | $\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$ | $\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.11\\ 1.12\end{array}$ | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 0.00 0.00 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 0.04 0.04 | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.02 0.02 0.02 0.02 0.02 0.02 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)Regulation RTC Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)30 Min West (ABCDE)30 Min West (ABCDE)RegulationNYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK) | $\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$ | $\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.11\\ 1.12\\ 1.12\end{array}$ | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 4.67 6.11 0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 0.04 0.04 | $\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ 0.49\\ 0.46\\ 0.24\\ 0.05\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 6.09\\ 0.23\\ 1.43\\ 1.40\\ \end{array}$ | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.73 4.72 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)Regulation RTC Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch Kast (F)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)30 Min West (ABCDE)RegulationNYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK) | $\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$ | $\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.26\\ 0.00\\$ | 5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.71 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.17 0.20 1.73 1.73 0.48 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ | $\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ 0.49\\ 0.46\\ 0.24\\ 0.05\\ 0.02\\$ | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationNYCA Regulation MovementReal Time Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK) | $\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$ | $\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 0.59\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\$ | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.71 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.17 0.20 1.73 1.73 0.48 0.22 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ | $\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ 0.49\\ 0.46\\ 0.24\\ 0.05\\ 0.02\\ 0.015\\ \end{array}$ | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)Regulation RTC Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationNYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK) | $\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$ $\begin{array}{c} 1.53\\ 1.53\\ 0.42\\ 0.45\\ 0.45\\ 0.45\\ 0.45\\ 0.04\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 8.04\\ 0.23\\ \end{array}$ $\begin{array}{c} 7.51\\ 7.51\\ 4.17\\ 4.26\\ 4.26\\ 4.26\\ \end{array}$ | $\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\$ | 5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.00 0.22 0.22 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ | $\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ 0.49\\ 0.46\\ 0.24\\ 0.05\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.01\\ 0.15\\ 0.11\\ \end{array}$ | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min Spin East (F)30 Min Spin SENY (GHIJK)30 Min Spin SENY (GHIJK)30 Min Spin East (F)30 Min Non Synch SENY (GHIJK)30 M | $\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$ | $\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.26\\ 0.00\\$ | 5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.08 0.17 0.00 0.22 0.22 0.00 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ | $\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ \end{array}$ | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 1.65 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)Regulation RTC Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationNYCA Regulation Movement Real Time Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK) | $\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$ $\begin{array}{c} 1.53\\ 1.53\\ 0.42\\ 0.45\\ 0.45\\ 0.45\\ 0.45\\ 0.04\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 8.04\\ 0.23\\ \end{array}$ $\begin{array}{c} 7.51\\ 7.51\\ 4.17\\ 4.26\\ 4.26\\ 4.26\\ \end{array}$ | $\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.59\\ 0.26\\ 0.00\\$ | 5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 8.05 0.71 0.71 0.08 0.17 0.00 0.22 0.22 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ | $\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ 0.49\\ 0.46\\ 0.24\\ 0.05\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.02\\ 0.01\\ 0.15\\ 0.11\\ \end{array}$ | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min East (F)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min Spin East (F)30 Min Spin SENY (GHIJK)30 Min Spin SENY (GHIJK)30 Min Spin East (F)30 Min Non Synch SENY (GHIJK)30 M | $\begin{array}{c} 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$ | $\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.26\\ 0.00\\$ | 5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.08 0.17 0.00 0.22 0.22 0.00 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ | $\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ \end{array}$ | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 1.65 |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch Kest (ABCDE)30 Min SENY (GHIJK)30 Min Spin East (F)30 Min Non Synch SENY (GHIJK)30 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK) | $\begin{array}{c} 7.09\\ 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$ $\begin{array}{c} 1.53\\ 1.53\\ 0.42\\ 0.45\\ 0.45\\ 0.45\\ 0.45\\ 0.45\\ 0.45\\ 0.04\\ 0.01\\ 0.00\\ 0.01\\ 0.00\\ 0.$ | $\begin{array}{c} 5.38\\ 5.38\\ 5.25\\ 5.25\\ 5.25\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 5.20\\ 8.19\\ 0.59\\ 0.26\\ 0.00\\$ | 5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.08 0.17 0.00 0.00 0.00 0.00 0.00 0.00 1.73 1.73 1.73 0.48 0.22 0.00 0.00 0.00 0.02 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ | $\begin{array}{c} 4.62\\ 4.62\\ 4.52\\ 4.36\\ 4.36\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 4.32\\ 7.00\\ \end{array}$ | $ \begin{array}{c} 6.41\\ 6.41\\ 5.78\\ 6.34\\ 6.34\\ 5.72\\ 5.70\\ 5.70\\ 5.70\\ 5.70\\ 8.19\\ 2.79\\ 2.77\\ 1.72\\ 1.89\\ 1.87\\ 1.18\\ 0.94\\ 0.93\\ 0.93\\ 7.51\\ 0.23\\ 4.73\\ 4.72\\ 2.51\\ 3.49\\ 3.48\\ 1.65\\ 0.98\\ \end{array} $ |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)RegulationRTC Market10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch Kest (ABCDE)30 Min SENY (GHIJK)30 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)30 Min S | $\begin{array}{c} 7.09\\ 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$ $\begin{array}{c} 1.53\\ 1.53\\ 0.42\\ 0.45\\ 0.45\\ 0.45\\ 0.45\\ 0.45\\ 0.45\\ 0.04\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 8.04\\ 0.23\\ \end{array}$ $\begin{array}{c} 7.51\\ 7.51\\ 7.51\\ 4.17\\ 4.26\\ 4.26\\ 1.89\\ 0.06\\ 0.06\\ 0.06\\ \end{array}$ | 5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 5.20 0.59 0.26 0.00 | 5.04 5.04 4.84 4.84 4.88 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 4.84 6.05 0.71 0.71 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 1.73 0.48 0.22 0.00 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \end{array}$ | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.03 0.11 0.04 0.07 0.04 | $ \begin{array}{c} 6.41\\ 6.41\\ 5.78\\ 6.34\\ 6.34\\ 6.34\\ 5.72\\ 5.70\\ 5.70\\ 5.70\\ 5.70\\ 5.70\\ 8.19\\ 2.77\\ 1.72\\ 1.89\\ 1.87\\ 1.18\\ 0.94\\ 0.93\\ 0.93\\ 7.51\\ 0.23\\ 4.73\\ 4.72\\ 2.51\\ 3.49\\ 3.48\\ 1.65\\ 0.98\\ 0.97\\ \end{array} $ |
| Day Ahead Market10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch East (F)10 Min Non Synch West (ABCDE)30 Min SENY (GHIJK)30 Min SENY (GHIJK)30 Min West (ABCDE)Regulation RTC Market 10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin West (ABCDE)10 Min Spin West (ABCDE)10 Min Non Synch SENY (GHIJK)10 Min Non Synch SENY (GHIJK)10 Min Non Synch West (ABCDE)30 Min East (F)30 Min East (F)30 Min East (F)30 Min SENY (GHIJK)30 Min East (F)30 Min SENY (GHIJK)30 Min East (F)30 Min Spin SENY (GHIJK)30 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin SENY (GHIJK)10 Min Spin East (F)10 Min Spin East (F)10 Min Spin SENY (GHIJK)10 Min Non Synch Kest (ABCDE)30 Min SENY (GHIJK)30 | $\begin{array}{c} 7.09\\ 7.09\\ 7.09\\ 6.28\\ 6.47\\ 6.47\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 6.23\\ 9.39\\ \end{array}$ $\begin{array}{c} 1.53\\ 1.53\\ 0.42\\ 0.45\\ 0.45\\ 0.45\\ 0.45\\ 0.45\\ 0.45\\ 0.04\\ 0.01\\ 0.01\\ 0.01\\ 0.01\\ 8.04\\ 0.23\\ \end{array}$ $\begin{array}{c} 7.51\\ 7.51\\ 4.17\\ 4.26\\ 4.26\\ 1.89\\ 0.06\\ 0.06\\ 0.06\\ 0.06\\ 0.06\\ \end{array}$ | 5.38 5.38 5.25 5.25 5.25 5.20 0.59 0.26 0.00 | 5.04 5.04 4.84 4.84 4.88 4.84 0.71 0.71 0.71 0.00 0.00 0.00 0.00 7.15 0.20 1.73 1.73 1.73 1.73 0.48 0.22 0.00 | $\begin{array}{c} 6.31\\ 6.31\\ 5.60\\ 5.80\\ 5.80\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 5.58\\ 7.93\\ \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.93 \\ 4.77 \\ 4.83 \\ 4.83 \\ 4.68 \\ 4.67 \\ 4.67 \\ 4.67 \\ 6.11 \\ \hline 0.43 \\ 0.23 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.05 \\ 0.06 \\ 0.04 \\ 0.04 \\ 5.43 \\ 0.25 \\ \hline 1.19 \\ 1.19 \\ 1.19 \\ 0.79 \\ 0.06 \\ 0.06 \\ 0.03 $ | 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 4.32 4.32 7.00 0.49 0.46 0.24 0.05 0.02 0.03 0.15 0.11 0.04 0.07 0.04 0.04 | 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19 2.79 2.77 1.72 1.89 1.87 1.18 0.94 0.93 0.93 7.51 0.23 4.73 4.72 2.51 3.49 3.48 1.65 0.98 0.97 0.97 |

| <u>August</u> | September | October | November | December |
|---|--|---|--|--|
| 4.18 4.18 3.98 3.26 3.13 3.13 3.13 3.13 3.13 6.67 | 4.72 4.72 4.19 3.43 3.43 3.39 3.39 3.39 3.39 3.39 7.60 | 5.73 5.73 4.27 3.54 3.54 3.40 3.40 3.40 3.40 8.59 | 4.80 4.80 4.39 3.35 3.35 3.27 3.27 3.27 3.27 3.27 14.64 | 6.57 6.57 5.54 5.77 5.77 4.79 4.78 4.78 4.78 4.78 13.09 |
| 0.52 0.52 0.38 0.02 0.02 0.02 0.02 0.02 0.02 0.02 6.47 0.20 | 3.63 2.83 1.99 2.18 1.38 1.09 1.89 1.09 1.09 8.35 0.21 | $\begin{array}{c} 1.28 \\ 1.28 \\ 0.42 \\ 0.11 \\ 0.11 \\ 0.07 \\ 0.05 \\ 0.05 \\ 0.05 \\ 6.44 \\ 0.22 \end{array}$ | $\begin{array}{c} 2.19\\ 2.19\\ 1.79\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 0.00\\ 14.26\\ 0.24 \end{array}$ | $\begin{array}{c} 4.93 \\ 4.93 \\ 4.39 \\ 0.05 \\ 0.05 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 13.71 \\ 0.25 \end{array}$ |
| $\begin{array}{c} 1.31 \\ 1.31 \\ 1.20 \\ 0.01 \\ 0.01 \\ 0.01 \\ 0.01 \\ 0.01 \\ 7.56 \\ 0.20 \end{array}$ | 3.72 2.51 1.91 2.21 1.00 0.83 2.05 0.83 0.83 8.44 0.21 | 2.30 2.30 1.40 0.32 0.32 0.22 0.09 0.09 0.09 8.06 0.22 | $\begin{array}{c} 3.91 \\ 3.91 \\ 3.49 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 0.00 \\ 14.99 \\ 0.24 \end{array}$ | 7.50 7.50 6.63 0.54 0.23 0.01 0.01 15.97 0.24 |
| <u>August</u> | <u>September</u> | <u>October</u> | November | December |
| 7 4 0 | | | | |
| 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 6.15 8.61 | 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 5.10 7.00 | 5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 4.82 8.57 | 4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 4.39 4.39 7.77 | 4.89 4.89 4.73 4.49 4.49 4.43 4.43 4.43 4.43 4.43 13.80 |
| 7.12 6.20 7.07 7.07 6.15 6.15 6.15 6.15 | 5.57 5.14 5.52 5.52 5.10 5.10 5.10 5.10 | 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 4.82 | 4.83 4.50 4.43 4.43 4.39 4.39 4.39 4.39 4.39 | 4.89 4.73 4.49 4.49 4.43 4.43 4.43 4.43 |

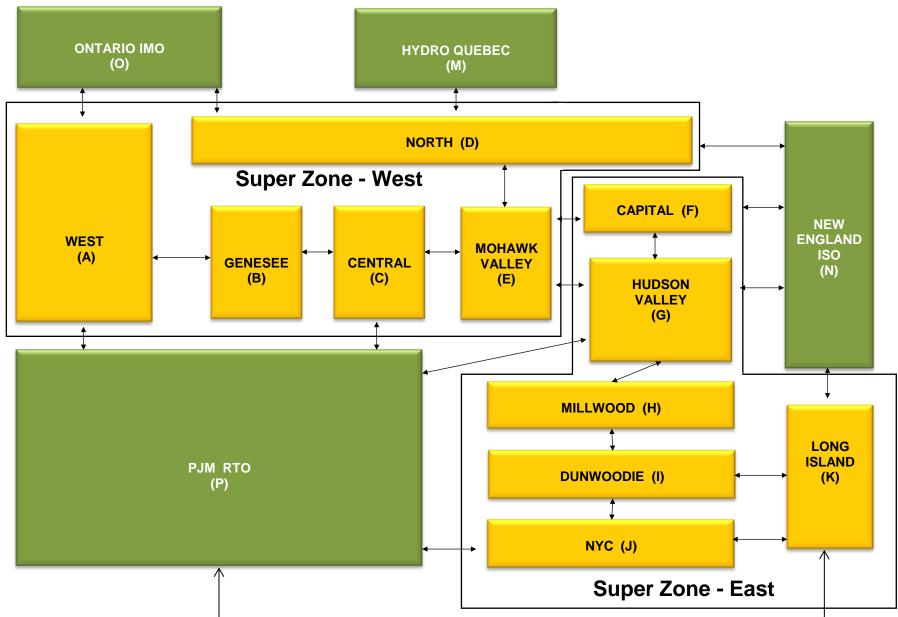






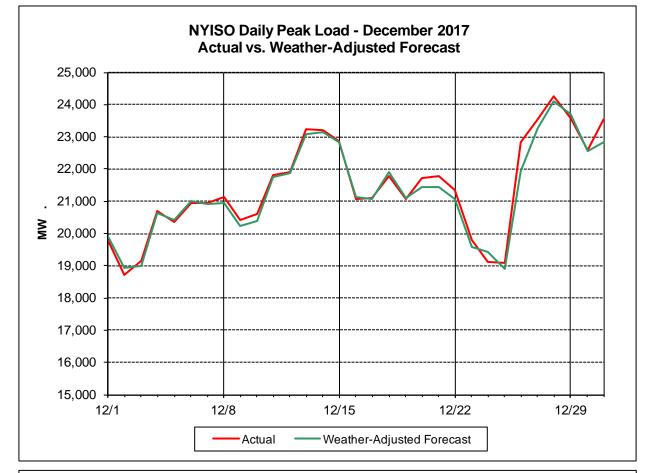


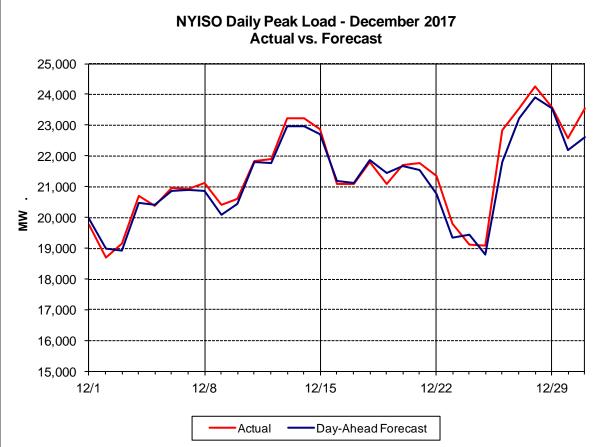
NYISO LBMP ZONES

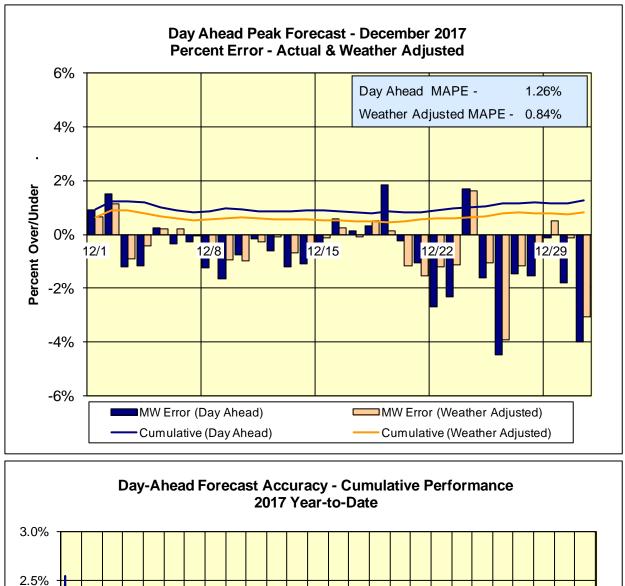


Billing Codes for Chart C

| 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 |









Summary Description of Regulatory Filings, Investigations, Rulemakings and Related Orders in NYISO Matters – December 2017

| Filing Date | Filing Summary | Docket | Order Date | Order Summary |
|----------------|---|-------------------------------|---------------|--|
| 10/16/2017 | NYISO 205 filing re: comprehensive interconnection queue process revisions | ER18-80-000 | 12/07/2017 | Order accepted filing as filed with a to be determined 2018 effective date |
| 10/27/2017 | NYISO 205 filing re: incorporate an accepted revision that corrects an erroneous data entry for Contract No. 218 in Table 1A of Attachment L of the OATT | ER18-173-000 | 12/13/2017 | Order accepted filing as filed effective 12/27/2017, as requested |
| 12/01/2017 | NYISO filing re: answer to the NJBPU and PSE&G requests for rehearing of the 10/06/17 order accepting tariff revisions and denying request for rehearing and clarification | ER17-905-000 ER17-905-001 | | |
| 12/08/2017 | NYISO compliance filing re: offer cap revisions per Order No. 831 | ER17-1561-001 | | |
| 12/15/2017 | NYISO confidential filing to the NYPSC re: three-month Reliability Commitment Data Report for the period ending 11/30/2017 | PSC Matter No. 10-02007 | | |
| 12/15/2017 | NYISO confidential filing to the NYPSC re: disclosure of five-year capital plan for 2018-2022 | PSC Case No. 12-E-0168 | | |
| 12/15/2017 | NYISO filing re: annual installed capacity report on the NYISO's capacity market, possible withholding, new generation projects,and net revenue analysis | ER01-3001-000 ER04-647-000 | | |
| 12/19/2017 | NYISO confidential filing to the NYPSC re: the 2017 transmission planning assessment | PSC Matter No. 10-02007 | | |
| 12/28/2017 | NYISO, <i>et. al.</i> filing re: request for extension of time to answer the NJBPU complaint v. PJM, NYISO, Consolidated Edison, Linden VFT, Hudson Transmission Partners and NYPA | EL18-54-000 | | |