

# **Monthly Report**

November 2017



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# Operations Performance Metrics Monthly Report









### November 2017 Report

## Operations & Reliability Department New York Independent System Operator



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### **November 2017 Operations Performance Highlights**

- Peak load of 20,712 MW occurred on 11/10/2017 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
- Solar forecasting was activated November 2.
- The following table identifies the estimated production cost savings associated with the Broader Regional Market initiatives.

|   | <b>Current Month</b> | Year-to-Date |
|---|----------------------|--------------|
|   | Value (\$M)          | Value (\$M)  |
| NY Savings from PJM-NY Congestion Coordination                  | \$0.85               | \$10.50      |
| NY Savings from PJM-NY Coordinated Transaction Scheduling       | (\$0.03)             | (\$1.13)     |
| NY Savings from NE-NY Coordinated Transaction Scheduling        | (\$0.21)             | (\$1.17)     |
| Total NY Savings  | \$0.61               | \$8.20       |
|   |                      |              |
| Regional Savings from PJM-NY Coordinated Transaction Scheduling | \$0.22               | \$2.83       |
| Regional Savings from NE-NY Coordinated Transaction Scheduling  | \$0.03               | \$1.03       |
| Total Regional Savings  | \$0.25               | \$3.86       |

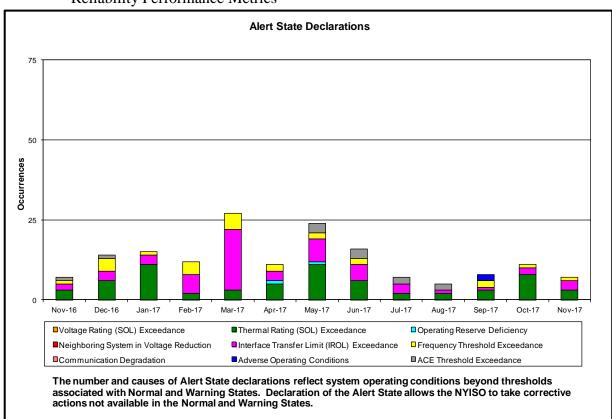
- Statewide uplift cost monthly average was (\$0.60)/MWh
- The following table identifies the Monthly ICAP Spot Market prices and the price delta.

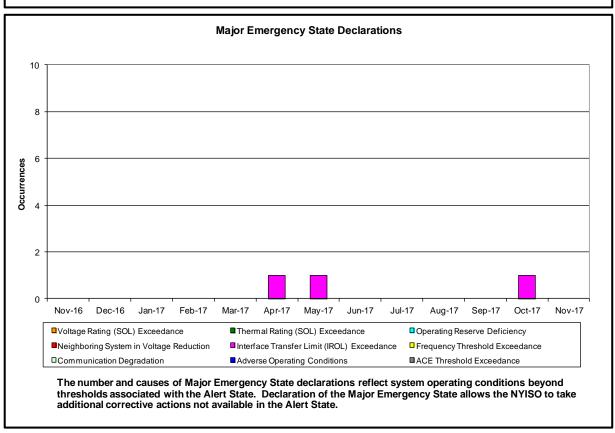
| Spot Auction Price Results | NYCA   | Lower Hudson Valley Zones | New York City Zone | Long Island Zone |
|----------------------------|--------|---------------------------|--------------------|------------------|
| December 2017 Spot Price   | \$0.25 | \$3.38                    | \$3.38             | \$0.68           |
| November 2017 Spot Price   | \$0.25 | \$3.47                    | \$3.47             | \$0.90           |
| Delta                      | \$0.00 | (\$0.09)                  | (\$0.09)           | (\$0.22)         |

• LI - Price decrease by \$0.22 due to decrease in unoffered capacity and increase in SCRs

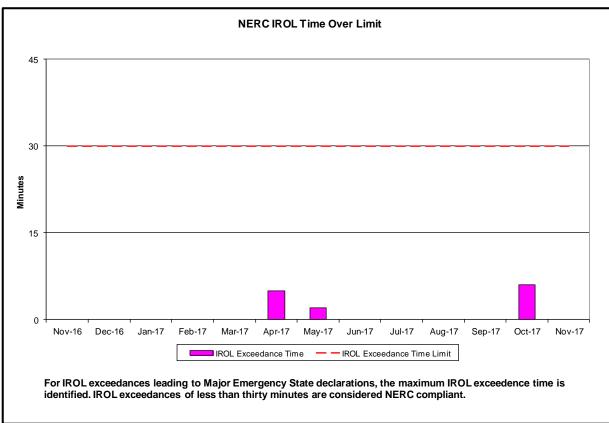


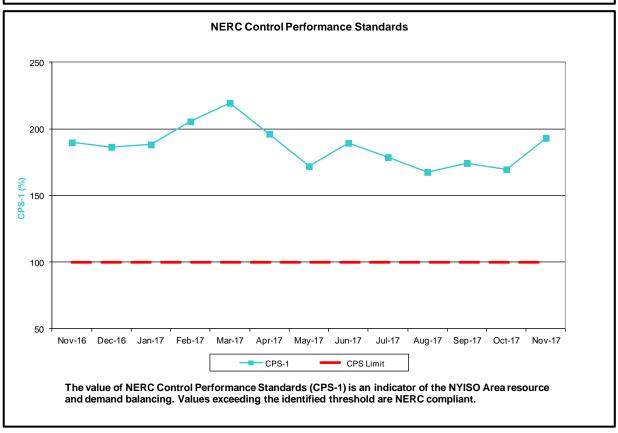
#### **Reliability Performance Metrics**



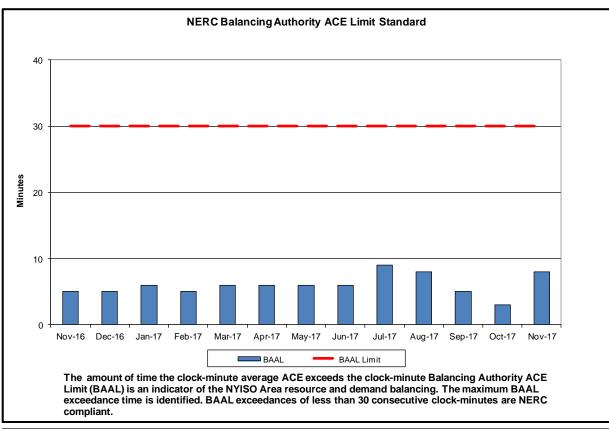


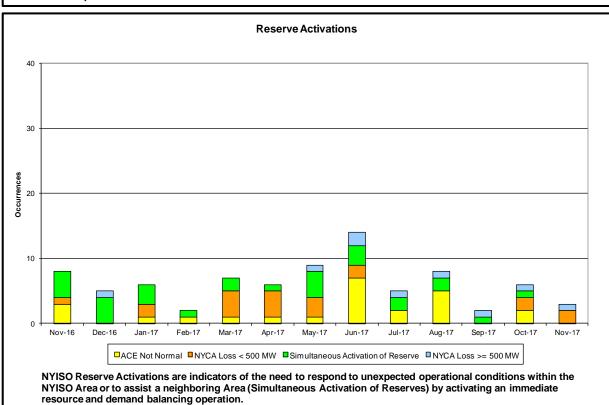








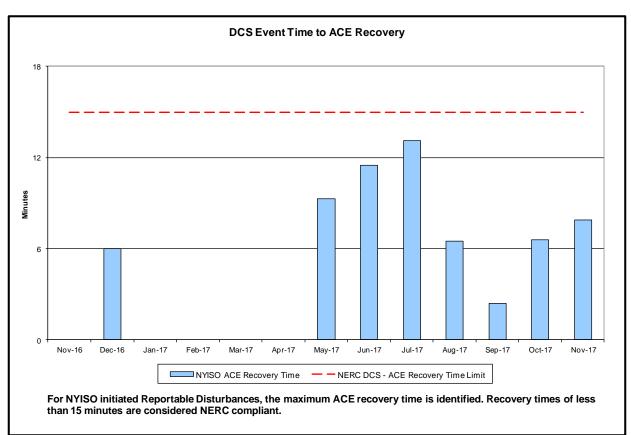


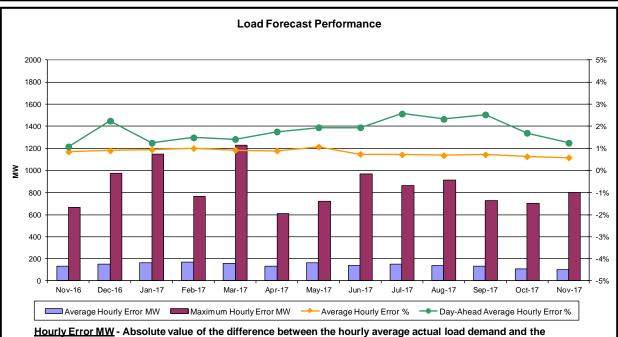




average hour ahead forecast load demand.

load demand.

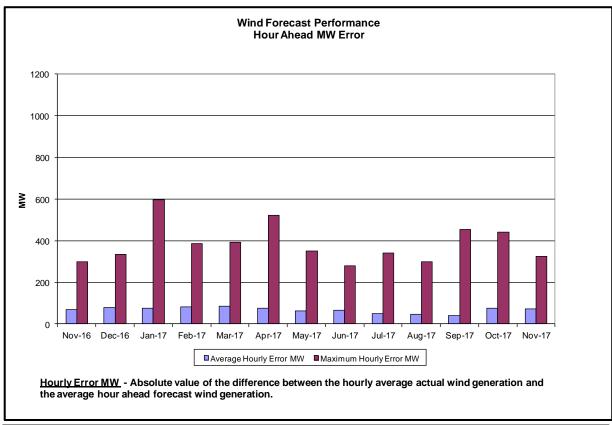


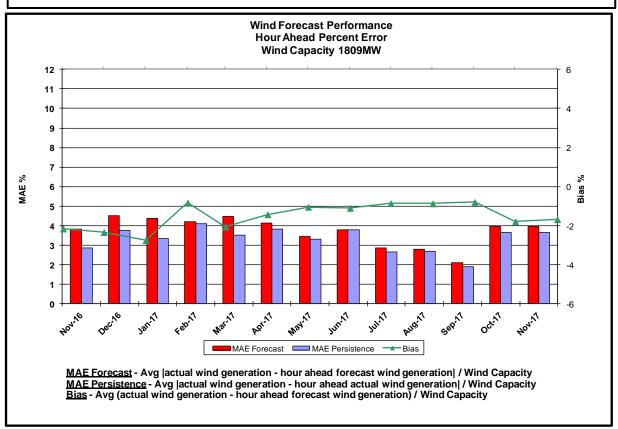


Average Hourly Error % - Average value of the ratio of hourly average error magnitude to hourly average actual

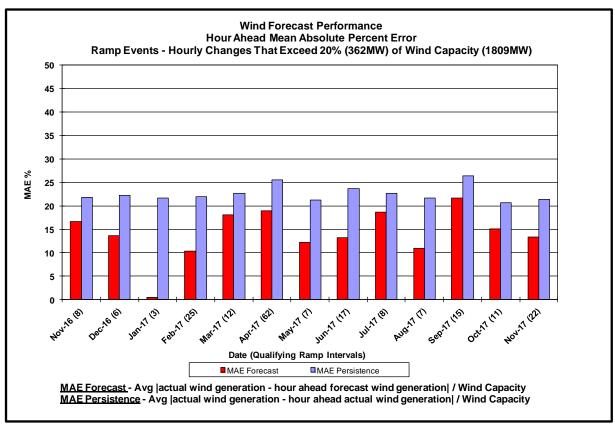
<u>Day-Ahead Average Hourly Error %</u> - Average across all hours of the month of the absolute value of the difference between actual load demand and the Day-Ahead forecast load demand, divided by the actual load demand.

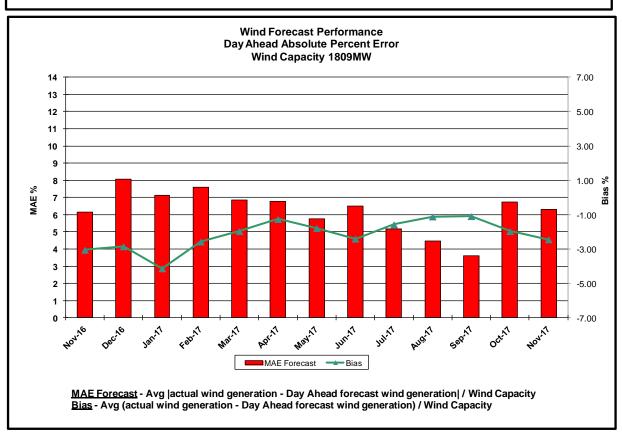




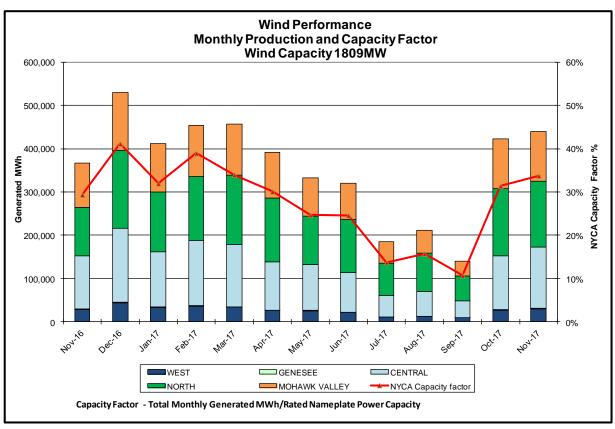


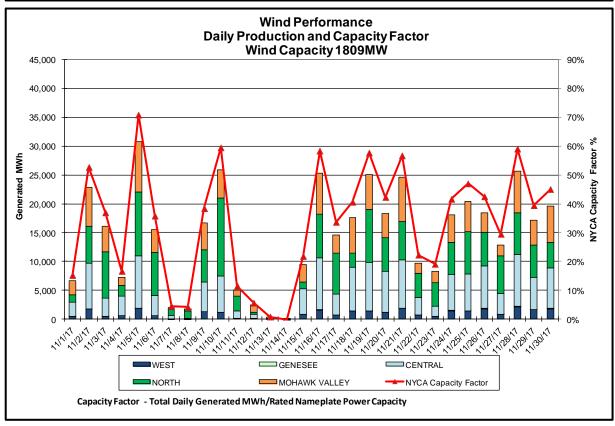




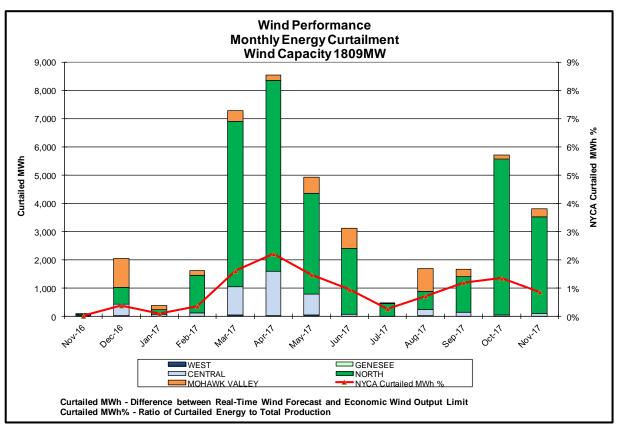


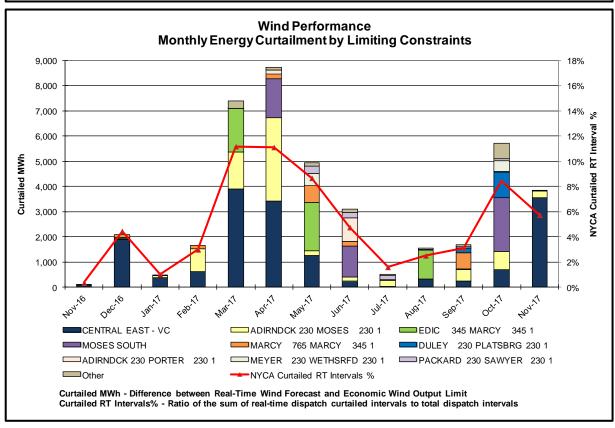




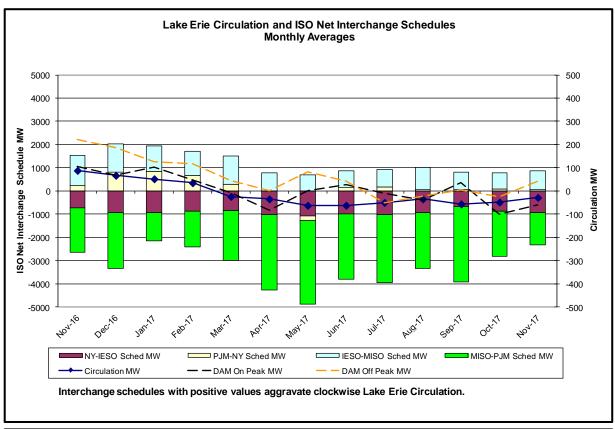


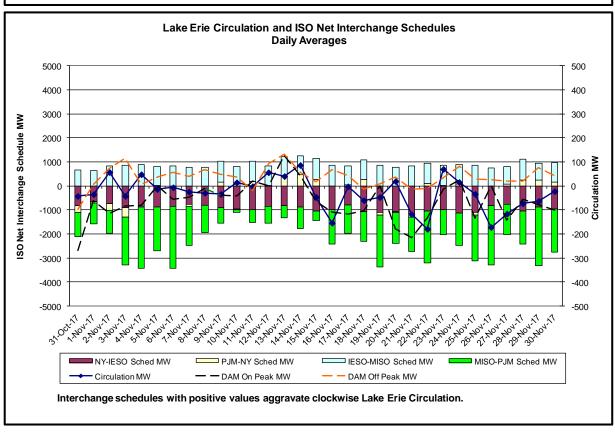






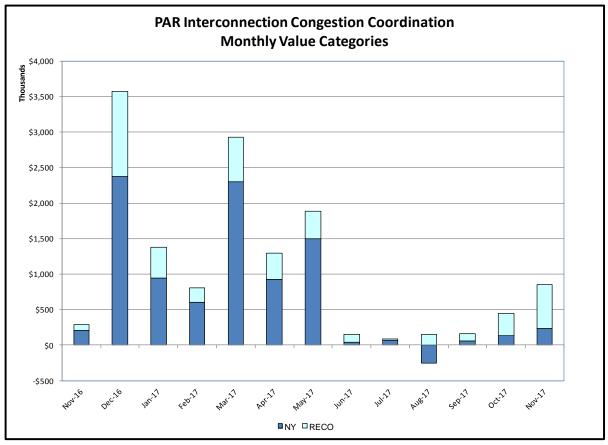


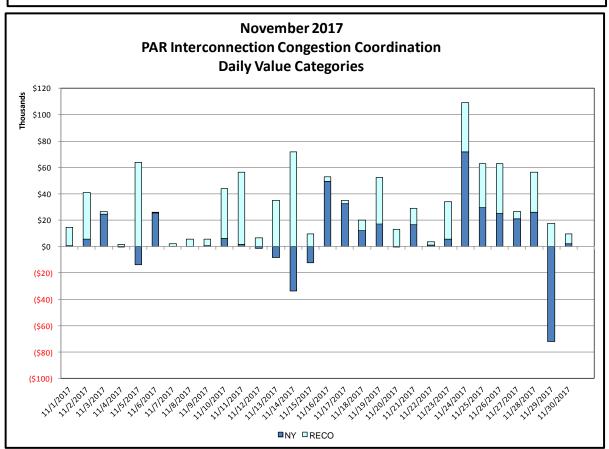






#### **Broader Regional Market Performance Metrics**







#### **PAR Interconnection Congestion Coordination**

<u>Category</u> <u>Description</u>

NY Represents the value NY realizes from Market-to-Market PAR Coordination. When experiencing congestion, this includes (1) the estimated savings to NY for additional

deliveries into NY, plus (2) PJM compensation to NY for additional deliveries into PJM (as compared to the Interconnection PAR Target levels, excluding RECO on the Ramapo PARs).

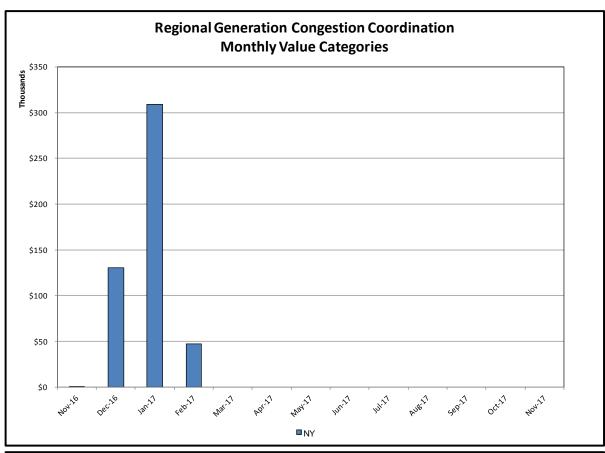
This is net of any settlements to PJM when they are congested.

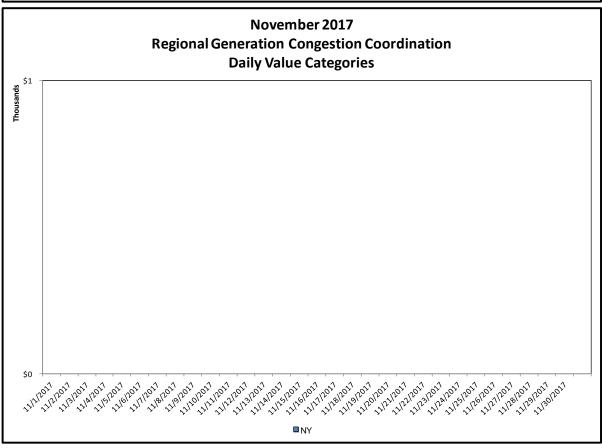
RECO Represents the value of PJM's obligation to deliver 80% of service to RECO load over

Ramapo 5018. This includes (1) the estimated reduction in NYCA congestion due to the PJM delivery of RECO over Ramapo 5018, plus (2) PJM compensation to NY for NYCA congestion

for the under-delivery or inability to deliver service to RECO load over Ramapo 5018.









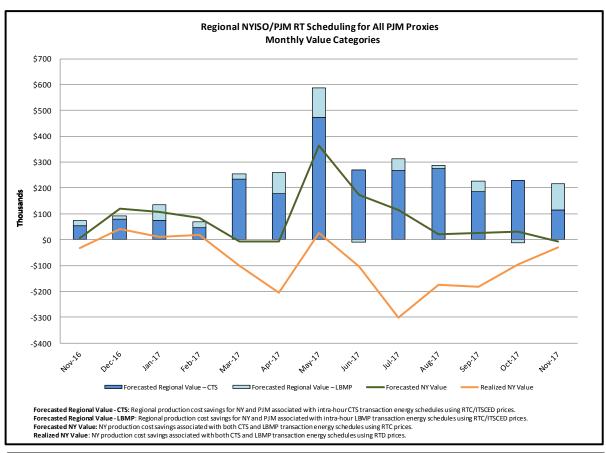
#### **Regional Generation Congestion Coordination**

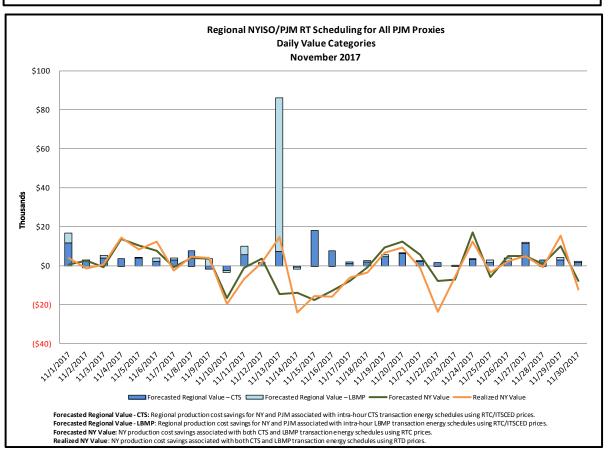
<u>Category</u> NY

#### **Description**

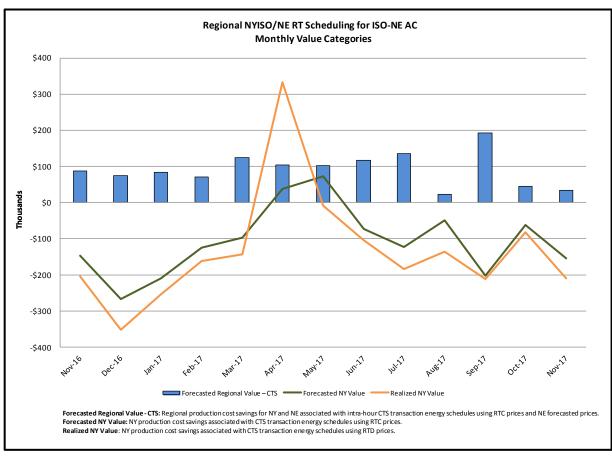
NYISO savings that result from PJM payments to NYISO when PJM's transmission use (PJM's market flow) is greater than PJM's entitlement of the NY transmission system and NYISO is incurring Western or Central NY congestion. Additionally, NYISO savings may result from the more efficient regional utilization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

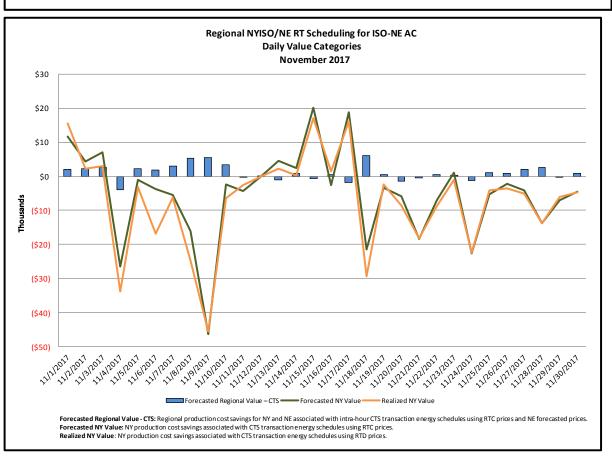






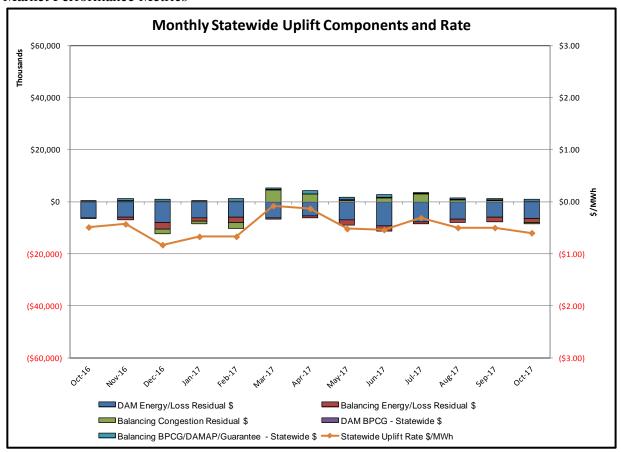




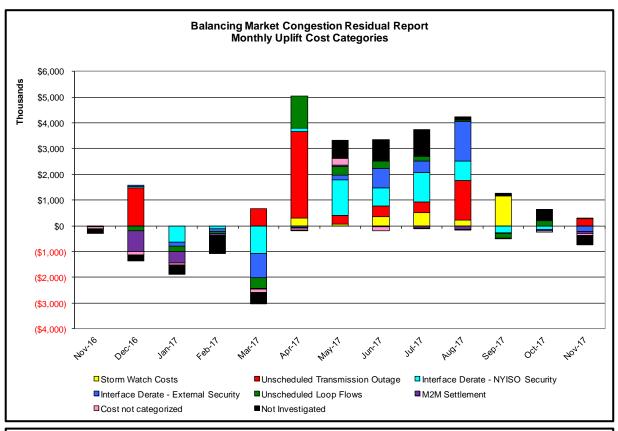


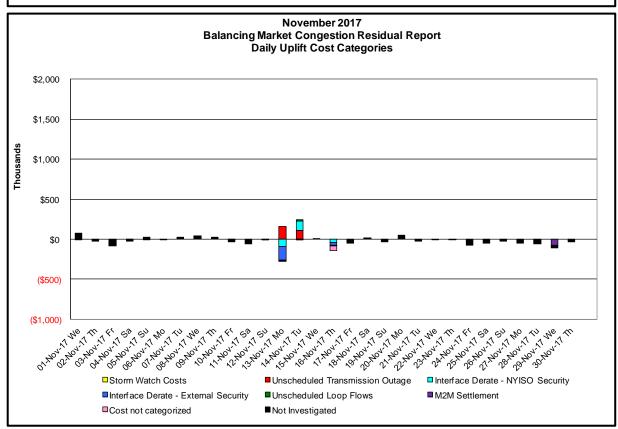


#### Market Performance Metrics







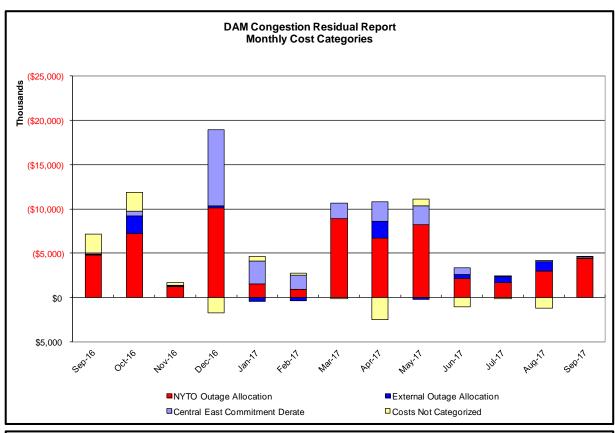


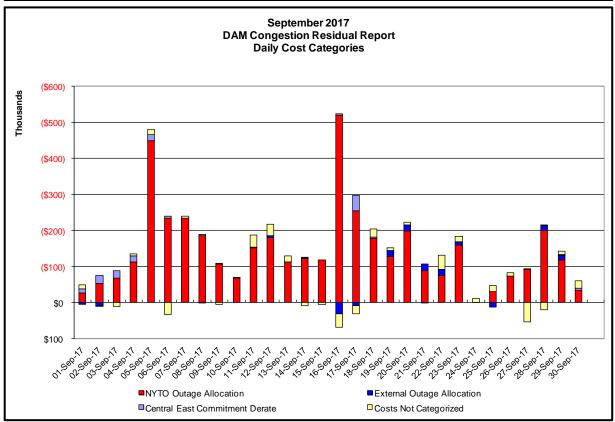


| Day's inv | vestigated in November | r: 13,14,16      |  |
|-----------|------------------------|------------------|--|
| Event     | Date (yyyymmdd)        | Hours            | Description  |
|           | 11/13/2017             | 7,8              | Forced outage of Gowanus-Goethals 345kV (#26)                        |
|           | 11/13/2017             | 0,1,3,6          | Uprate Central East  |
|           | 11/13/2017             | 14,15            | NYCA DNI Ramp Limit  |
|           | 11/13/2017             | 0,1,3,6,10-16,18 | NE_AC-NY Scheduling Limit  |
|           | 11/13/2017             | 9,10             | NE_AC DNI Ramp Limit   |
|           | 11/13/2017             | 6,9-15           | NE_NNC1385 - NY Scheduling Limit                                     |
|           | 11/13/2017             | 10               | Lake Erie Circulation, DAM-RTM exceeds +/-125MW: Central East        |
|           | 11/13/2017             | 18               | Lake Erie Circulation, DAM-RTM exceeds +/-125MW: Niagara-Packard     |
|           | 11/14/2017             | 9-13,15-18,20,21 | Forced outage of Gowanus-Goethals 345kV (#26)                        |
|           | 11/14/2017             | 9-13,15-18,20,21 | Derate Dunwoodie-Shore Rd 345kV (#Y50)                               |
|           | 11/14/2017             | 13               | Derate Niagara-Robinson Road 230kV (#64) for I/o TWR:PACKARD 77 & 78 |
|           | 11/14/2017             | 13,15-17         | Derate Packard-Sawyer 230kV (#78) for I/o Packard-Sawyer 230kV (#77) |
|           | 11/14/2017             | 15-17            | Lake Erie Circulation, DAM-RTM exceeds +/-125MW: Packard-Sawyer      |
|           | 11/16/2017             | 0-6              | Uprate Central East  |
|           | 11/16/2017             | 0-5              | NE_AC DNI Ramp Limit   |
|           | 11/16/2017             | 5,6              | Lake Erie Circulation, DAM-RTM exceeds +/-125MW: Central East        |

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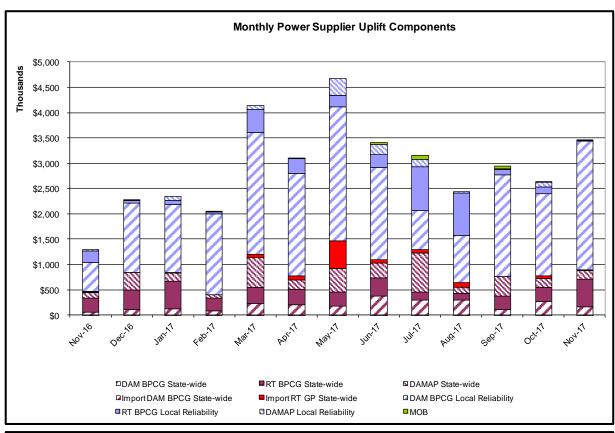


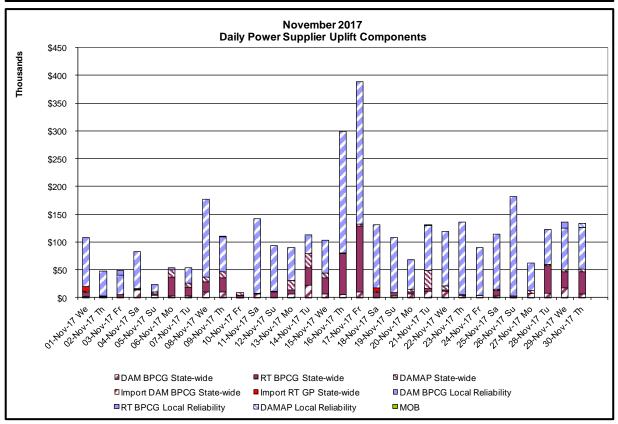




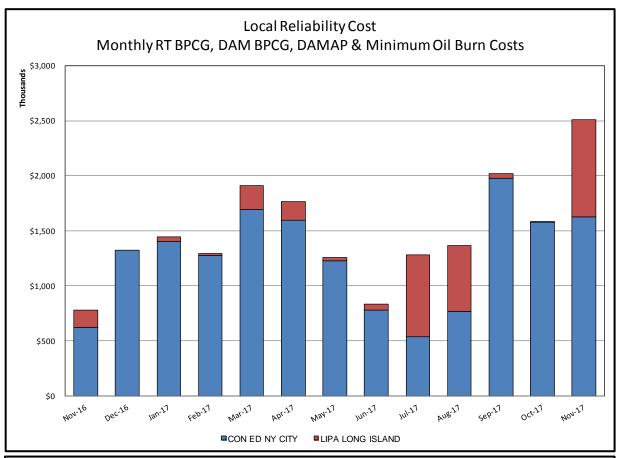
| Day                                       | -Ahead Market Co                             | ngestion Residual Categories   |   |
|---|--|--|---|
| <u>Category</u><br>NYTO Outage Allocation | <u>Cost Assignment</u><br>Responsible TO     | Events Types Direct allocation to NYTO's responsible for transmission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

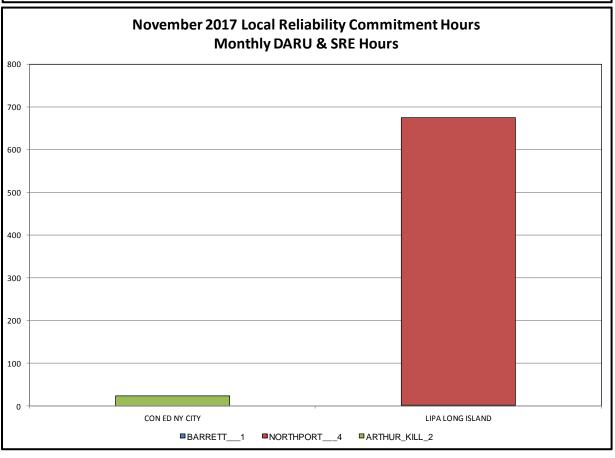




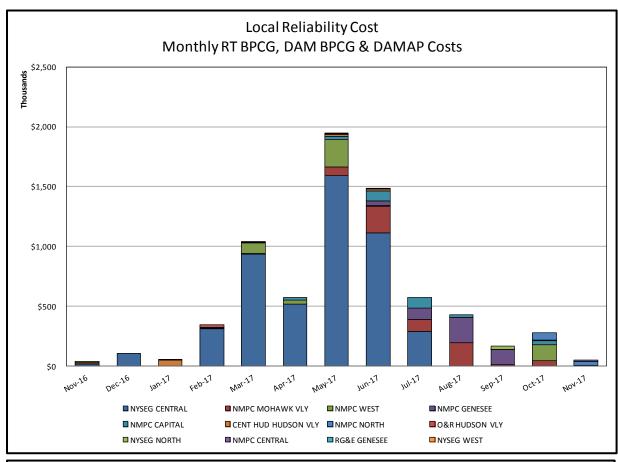


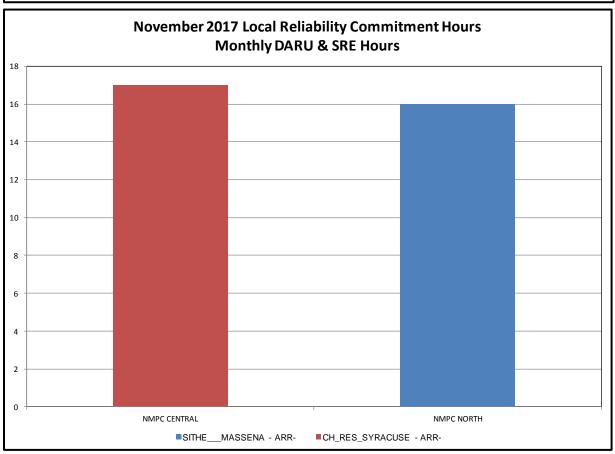




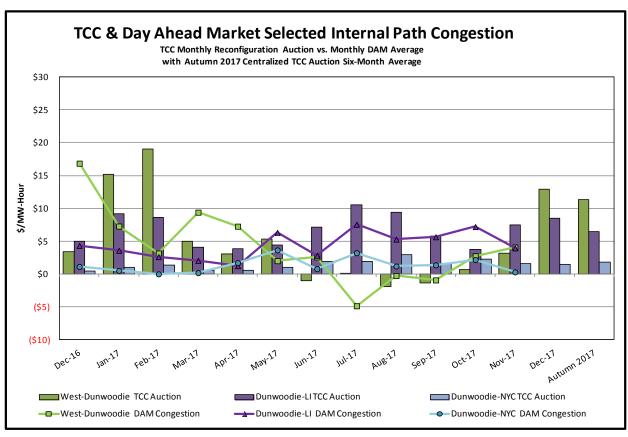


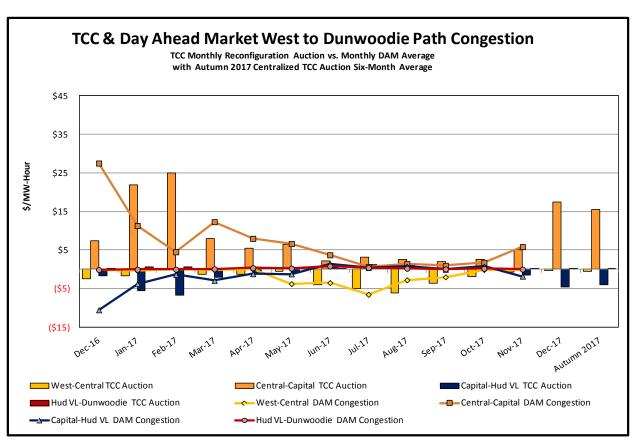




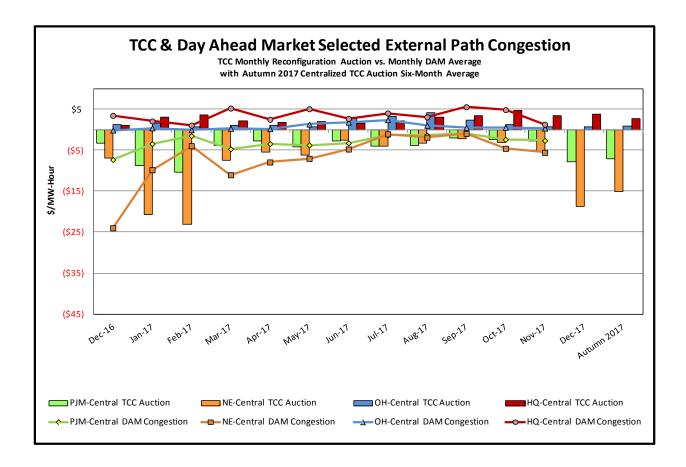




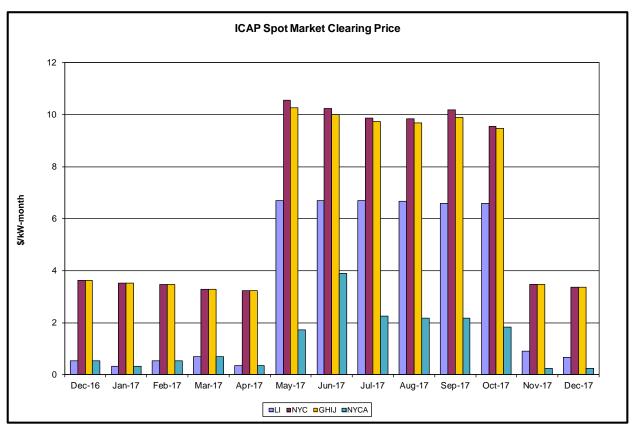


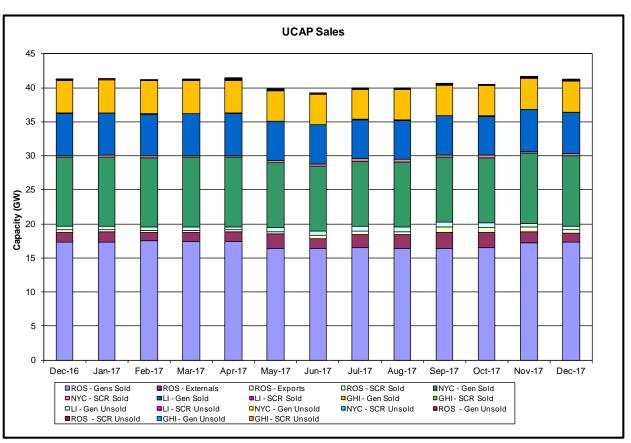








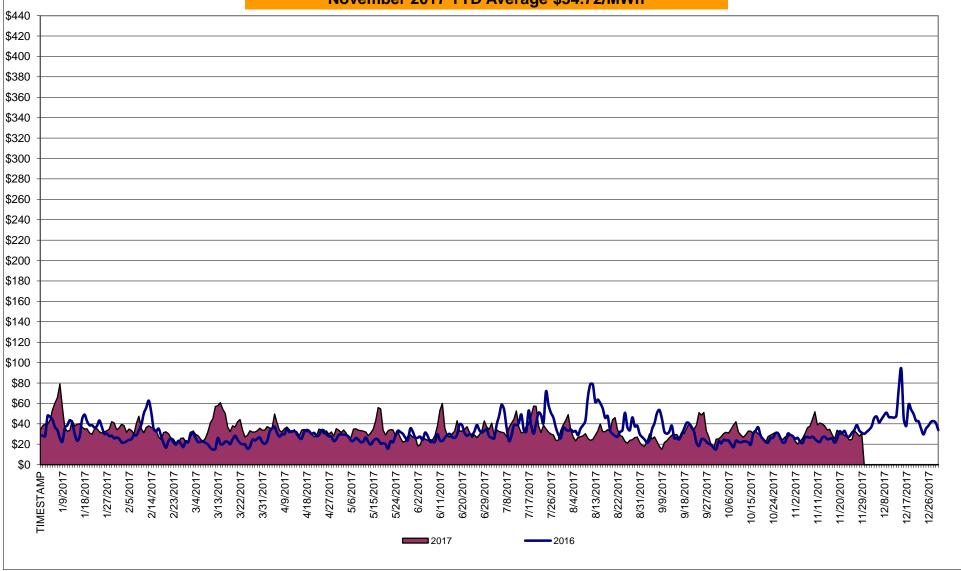




# Market Performance Highlights November 2017

- LBMP for November is \$30.60/MWh; higher than \$28.35/MWh in October 2017 and higher than \$26.31/MWh in November 2016.
  - Day Ahead and Real Time Load Weighted LBMPs are higher compared to October.
- November 2017 average year-to-date monthly cost of \$34.72/MWh is a 5% increase from \$33.16/MWh in November 2016.
- Average daily sendout is 403 GWh/day in November; higher than 398 GWh/day in October 2017 and higher than 398 GWh/day in November 2016.
- Natural gas and distillate prices were higher compared to the previous month.
  - Natural Gas (Transco Z6 NY) was \$2.92/MMBtu, up from \$2.36/MMBtu in October.
  - Natural gas prices are up 33.5% year-over-year.
  - Jet Kerosene Gulf Coast was \$13.04/MMBtu, up from \$12.30/MMBtu in October.
  - Ultra Low Sulfur No.2 Diesel NY Harbor was \$13.70/MMBtu, up from \$12.86/MMBtu in October.
  - Distillate prices are up 31.0% year-over-year.
- Uplift per MWh is lower compared to the previous month.
  - Uplift (not including NYISO cost of operations) is (\$0.40)/MWh; lower than (\$0.36)/MWh in October.
    - Local Reliability Share is \$0.20/MWh, higher than \$0.14/MWh in October.
    - Statewide Share is (\$0.60)/MWh, lower than (\$0.50)/MWh in October.
  - TSA \$ per NYC MWh is \$0.00/MWh.
  - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than October.

# Daily NYISO Average Cost/MWh (Energy & Ancillary Services)\* 2016 Annual Average \$34.28/MWh November 2016 YTD Average \$33.16/MWh November 2017 YTD Average \$34.72/MWh

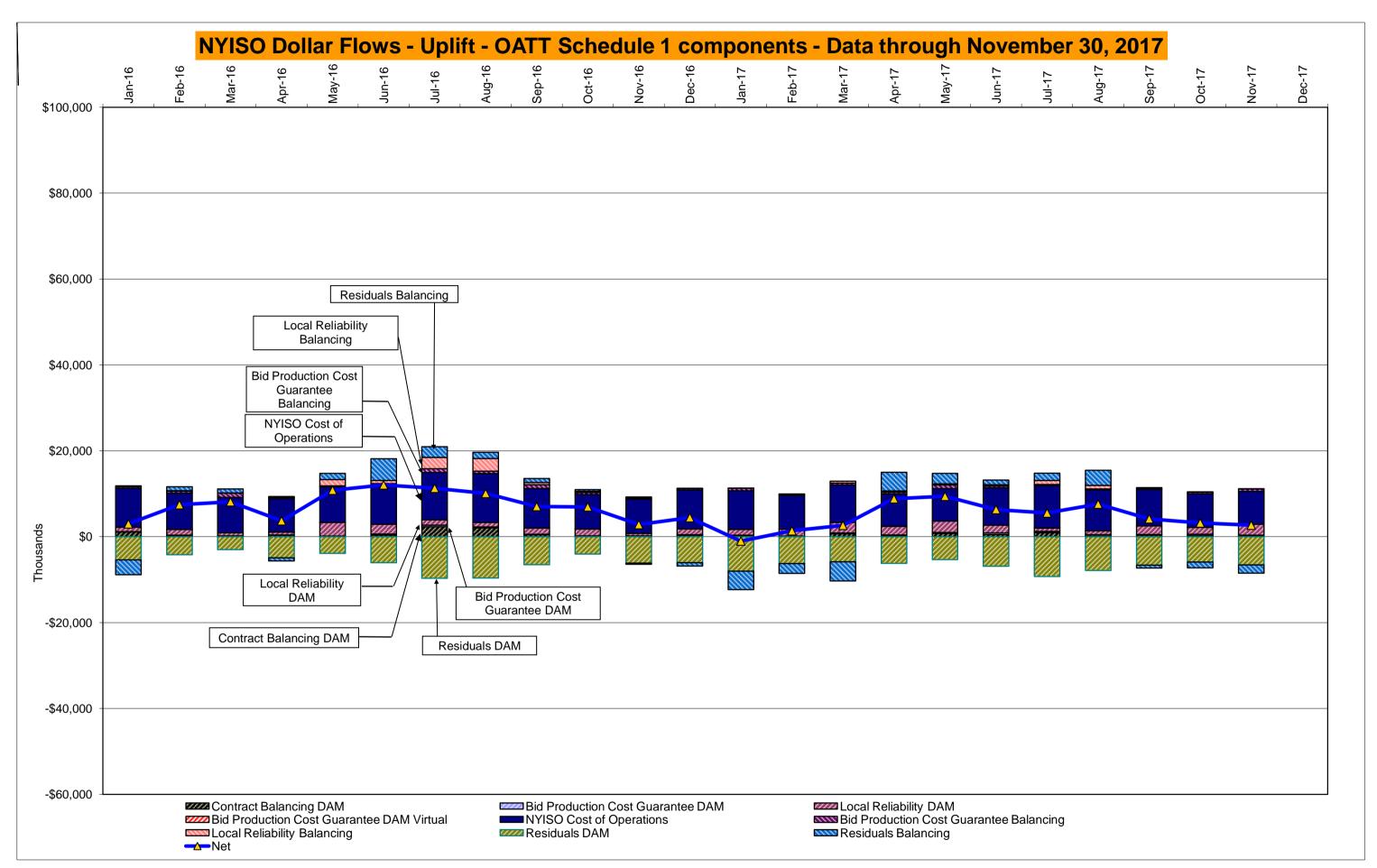


<sup>\*</sup> Excludes ICAP payments.

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

| 2017                              | lanuari                 | Fobruary.                | Marah                 | April                 | Mov                 | lung                 | lukz                 | August                 | Contombor          | Ootobor          | November          | Dooomhor          |
|-----------------------------------|-------------------------|--------------------------|-----------------------|-----------------------|---------------------|----------------------|----------------------|------------------------|--------------------|------------------|-------------------|-------------------|
| LBMP                              | <u>January</u><br>40.07 | <u>February</u><br>30.95 | <u>March</u><br>34.97 | <u>April</u><br>31.06 | <u>May</u><br>31.74 | <u>June</u><br>31.76 | <u>July</u><br>35.84 | <u>August</u><br>30.57 | September<br>29.57 | October<br>28.35 | November<br>30.60 | <u>December</u>   |
| NTAC                              | 0.66                    | 1.11                     | 0.86                  | 1.05                  | 0.79                | 0.62                 | 0.87                 | 0.59                   | 0.62               | 26.33<br>0.50    | 0.75              |                   |
| Reserve                           | 0.70                    | 0.67                     | 0.74                  | 0.70                  | 0.73                | 0.55                 | 0.48                 | 0.39                   | 0.02               | 0.59             | 0.75              |                   |
| Regulation                        | 0.14                    | 0.07                     | 0.13                  | 0.70                  | 0.16                | 0.33                 | 0.40                 | 0.10                   | 0.11               | 0.33             | 0.20              |                   |
| NYISO Cost of Operations          | 0.65                    | 0.65                     | 0.65                  | 0.65                  | 0.62                | 0.13                 | 0.63                 | 0.63                   | 0.63               | 0.13             | 0.61              |                   |
| FERC Fee Recovery                 | 0.09                    | 0.10                     | 0.10                  | 0.03                  | 0.10                | 0.09                 | 0.03                 | 0.08                   | 0.09               | 0.10             | 0.10              |                   |
| Uplift                            | (0.73)                  | (0.54)                   | (0.46)                | 0.12                  | 0.10                | (0.37)               | (0.43)               | (0.19)                 | (0.34)             | (0.36)           | (0.40)            |                   |
| 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              |                   |
| 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)            |                   |
| 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              |                   |
| 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             |                   |
| /tvg monthly cost                 | 11.00                   | 00.11                    | 07.00                 | 01.20                 | 01.02               | 00.00                | 07.01                | 02.00                  | 01.01              | 00.01            | 02.70             |                   |
| 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             |                   |
| 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              |                   |
| 2016                              | <u>January</u>          | February                 | <u>March</u>          | <u>April</u>          | <u>May</u>          | <u>June</u>          | <u>July</u>          | <u>August</u>          | September          | <u>October</u>   | <u>November</u>   | December          |
| LBMP                              | 34.29                   | 28.71                    | 20.66                 | 27.96                 | 23.31               | 27.35                | 40.01                | 42.99                  | 30.89              | 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              | 0.97              |
| Reserve                           | 0.77                    | 0.73                     | 0.73                  | 0.87                  | 0.71                | 0.59                 | 0.67                 | 0.68                   | 0.69               | 0.77             | 0.68              | 0.63              |
| Regulation                        | 0.12                    | 0.12                     | 0.12                  | 0.12                  | 0.11                | 0.12                 | 0.10                 | 0.10                   | 0.10               | 0.15             | 0.13              | 0.17              |
| NYISO Cost of Operations          | 0.64                    | 0.65                     | 0.65                  | 0.64                  | 0.65                | 0.66                 | 0.65                 | 0.65                   | 0.64               | 0.64             | 0.64              | 0.64              |
| FERC Fee Recovery                 | 0.09                    | 0.10                     | 0.11                  | 0.10                  | 0.09                | 0.09                 | 0.07                 | 0.06                   | 0.08               | 0.10             | 0.10              | 0.08              |
| Uplift                            | (0.43)                  | (0.07)                   | (0.03)                | (0.34)                | 0.19                | 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                | 0.21                 | 0.23                 | 0.22                   | 0.14               | 0.15             | 0.07              | 0.10 <sup>°</sup> |
| 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 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>          | <u>May</u>          | <u>June</u>          | <u>July</u>          | <u>August</u>          | September          | <u>October</u>   | November          | <u>December</u>   |
| LBMP                              | 59.61                   | 114.37                   | 52.09                 | 28.36                 | 32.98               | 28.20                | 34.77                | 33.09                  | 34.40              | 30.05            | 24.83             | 20.91             |
| 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                     | 0.11                  | 0.12                  | 0.10                | 0.13                 | 0.12                 | 0.12                   | 0.10               | 0.12             | 0.13              | 0.13              |
| NYISO Cost of Operations          | 0.70                    | 0.70                     | 0.70                  | 0.70                  | 0.70                | 0.70                 | 0.70                 | 0.70                   | 0.70               | 0.69             | 0.70              | 0.69              |
| Uplift                            | (0.48)                  | (1.08)                   | (0.68)                | (0.15)                | 0.26                | 0.33                 | 0.04                 | 0.03                   | (0.15)             | 0.10             | 0.44              | (0.07)            |
| Uplift: Local Reliability Share   | 0.25                    | 0.33                     | 0.13                  | 0.27                  | 0.30                | 0.37                 | 0.35                 | 0.36                   | 0.22               | 0.33             | 0.20              | 0.12              |
| Uplift: Statewide Share           | (0.73)                  | (1.41)                   | (0.81)                | (0.42)                | (0.05)              | (0.04)               | (0.30)               | (0.33)                 | (0.37)             | (0.23)           | 0.25              | (0.18)            |
| Voltage Support and Black Start _ | 0.39                    | 0.39                     | 0.39                  | 0.39                  | 0.39                | 0.39                 | 0.39                 | 0.39                   | 0.39               | 0.39             | 0.39              | 0.38              |
| Avg Monthly Cost                  | 60.91                   | 115.27                   | 53.58                 | 30.41                 | 35.37               | 30.79                | 36.84                | 35.14                  | 36.35              | 32.18            | 27.64             | 23.71             |
| 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              |

<sup>\*</sup> Excludes ICAP payments. Market Mitigation and Analysis Prepared: 12/8/2017 10:33 AM



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>  | November   | <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   |   |
| DAM LSE Internal LBMP Energy Sales  | 57%   | 57%   | 55%  | 54%  | 58%   | 60%  | 62%  | 61%   | 57%  | 55%   | 53%  |   |
| DAM External TC LBMP Energy Sales   | 2%  | 2%  | 1%   | 1%   | 1%  | 1%   | 1%   | 1%  | 1%   | 2%  | 3%   |   |
| DAM Bilateral - Internal Bilaterals   | 32%   | 32%   | 34%  | 35%  | 33%   | 31%  | 29%  | 29%   | 32%  | 34%   | 34%  |   |
| DAM Bilateral - Importl/Non-LBMP Market Bilaterals  | 5%  | 5%  | 5%   | 6%   | 4%  | 5%   | 4%   | 5%  | 5%   | 5%  | 5%   |   |
| DAM Bilateral - Export/Non-LBMP Market Bilaterals   | 2%  | 2%  | 2%   | 2%   | 2%  | 2%   | 1%   | 2%  | 2%   | 2%  | 2%   |   |
| DAM Bilateral - Wheel Through Bilaterals  | 2%  | 2%  | 2%   | 2%   | 2%  | 2%   | 3%   | 3%  | 4%   | 2%  | 3%   |   |
| 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   |   |
| Balancing Energy LSE Internal LBMP Energy Sales   | -157%   | -132%   | -148%  | -115%  | -120%   | -114%  | -100%  | -87%  | -76%   | -102%   | -108%  |   |
| Balancing Energy External TC LBMP Energy Sales  | 64%   | 39%   | 44%  | 22%  | 28%   | 23%  | 18%  | 13%   | 12%  | 26%   | 45%  |   |
| Balancing Energy Bilateral - Internal Bilaterals  | 15%   | 8%  | 12%  | 5%   | 1%  | 4%   | 3%   | 2%  | 3%   | 5%  | 5%   |   |
| Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals   | 0%  | 4%  | 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%   |   |
| Balancing Energy Bilateral - Wheel Through Bilaterals   | -32%  | -26%  | -13%   | -15%   | -12%  | -16%   | -22%   | -29%  | -40%   | -33%  | -49%   |   |
| Transactions Summary  |   |   |  |  |   |  |  |   |  |   |  |   |
| LBMP  | 58%   | 57%   | 55%  | 54%  | 58%   | 60%  | 62%  | 61%   | 58%  | 56%   | 56%  |   |
| Internal Bilaterals   | 33%   | 34%   | 36%  | 37%  | 34%   | 32%  | 30%  | 31%   | 33%  | 36%   | 36%  |   |
| Import Bilaterals   | 5%  | 5%  | 5%   | 6%   | 4%  | 5%   | 5%   | 5%  | 5%   | 5%  | 5%   |   |
| Export Bilaterals   | 2%  | 2%  | 2%   | 2%   | 2%  | 2%   | 2%   | 2%  | 2%   | 2%  | 2%   |   |
| Wheels Through  | 2%  | 2%  | 2%   | 2%   | 2%  | 1%   | 2%   | 2%  | 2%   | 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%   |   |
| Balancing Energy +  | -1.8%   | -3.3%   | -3.8%  | -4.0%  | -5.4%   | -4.1%  | -4.7%  | -5.7%   | -4.7%  | -4.0%   | -3.2%  |   |
| 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   |   |
| Average Daily Energy Sendout/Month GWh  | 431   | 418   | 419  | 377  | 383   | 454  | 498  | 477   | 437  | 398   | 403  |   |
|   |   |   |  |  |   |  |  |   |  |   |  |   |
|   |   |   |  |  |   |  |  |   |  |   |  |   |
| 2016  | lonuoni   | Eshruaru  | Marah  | Anril  | Mov   | luna   | liaka  | August  | Cantombor  | Ootobor   | November   | Dooombor  |
| 2016  | <u>January</u>  | <u>February</u>   | March  | <u>April</u>   | May   | June   | July   | August  | September  | October   | November   | <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  |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  | 14,760,915<br>54%   | 13,614,754<br>55%   | 13,413,781<br>55%  | 12,496,141<br>57%  | 12,959,886<br>58%   | 14,095,904<br>60%  | 16,950,819<br>64%  | 17,413,898<br>63%   | 14,563,318<br>60%  | 13,014,354<br>56%   | 12,770,775<br>56%  | 14,245,185<br>58%   |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales   | 14,760,915<br>54%<br>4%   | 13,614,754<br>55%<br>2%   | 13,413,781<br>55%<br>1%  | 12,496,141<br>57%<br>5%  | 12,959,886<br>58%<br>2%   | 14,095,904<br>60%<br>1%  | 16,950,819<br>64%<br>1%  | 17,413,898<br>63%<br>3%   | 14,563,318<br>60%<br>3%  | 13,014,354<br>56%<br>2%   | 12,770,775<br>56%<br>2%  | 14,245,185<br>58%<br>3%   |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  | 14,760,915<br>54%<br>4%<br>34%  | 13,614,754<br>55%<br>2%<br>34%  | 13,413,781<br>55%<br>1%<br>35%   | 12,496,141<br>57%<br>5%<br>28%   | 12,959,886<br>58%<br>2%<br>31%  | 14,095,904<br>60%<br>1%<br>30%   | 16,950,819<br>64%<br>1%<br>28%   | 17,413,898<br>63%<br>3%<br>27%  | 14,563,318<br>60%<br>3%<br>30%   | 13,014,354<br>56%<br>2%<br>33%  | 12,770,775<br>56%<br>2%<br>32%   | 14,245,185<br>58%<br>3%<br>31%  |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  | 14,760,915<br>54%<br>4%<br>34%<br>5%  | 13,614,754<br>55%<br>2%<br>34%<br>5%  | 13,413,781<br>55%<br>1%<br>35%<br>5%   | 12,496,141<br>57%<br>5%<br>28%<br>6%   | 12,959,886<br>58%<br>2%<br>31%<br>5%  | 14,095,904<br>60%<br>1%<br>30%<br>5%   | 16,950,819<br>64%<br>1%<br>28%<br>4%   | 17,413,898<br>63%<br>3%<br>27%<br>4%  | 14,563,318<br>60%<br>3%<br>30%<br>5%   | 13,014,354<br>56%<br>2%<br>33%<br>5%  | 12,770,775<br>56%<br>2%<br>32%<br>5%   | 14,245,185<br>58%<br>3%<br>31%<br>5%  |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals   | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%  | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%   | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%  | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%   | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%   | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%   | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%  | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%  |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals   | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%  | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%   | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%  | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%   | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%   | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%   | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%  | 12,770,775<br>56%<br>2%<br>32%<br>5%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%  |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals   | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%  | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%   | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%  | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%   | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%   | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%   | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%  | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%  |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals   | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%  | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%   | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%  | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%   | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%   | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%   | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%  | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%  |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919  | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>-741,701   | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848  | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015   | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025  | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%<br>224,316   | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%<br>-250,802   | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109  | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836  |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales   | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>-522,919<br>-125%   | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%   | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>-741,701<br>-118%  | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%   | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%  | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025<br>-347%   | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%<br>224,316<br>42%  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%<br>-250,802<br>-139%  | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%   | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%  | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%   |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919<br>-125%<br>12%  | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%<br>0%   | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%   | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%  | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025<br>-347%<br>204%<br>62%<br>0%  | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%<br>224,316<br>42%<br>56%   | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%<br>-250,802<br>-139%<br>49%   | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%<br>21%  | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%  |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals   | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919<br>-125%<br>12%<br>19%   | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%   | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%   | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%<br>10%   | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025<br>-347%<br>204%<br>62%  | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%<br>224,316<br>42%<br>56%<br>28%  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%<br>-250,802<br>-139%<br>49%<br>18%  | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%  | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%  |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Importl/Non-LBMP Market Bilaterals  | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919<br>-125%<br>12%<br>19%<br>0%   | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%<br>0%  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%<br>0%   | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%   | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%  | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025<br>-347%<br>204%<br>62%<br>0%  | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%<br>224,316<br>42%<br>56%<br>28%<br>0%  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%<br>-250,802<br>-139%<br>49%<br>18%<br>0%  | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%<br>0%  | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%<br>0%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%  |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  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  | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919<br>-125%<br>12%<br>19%<br>0%<br>6%   | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%<br>0%<br>5%  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%<br>0%<br>3%   | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%<br>5%   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%<br>7%   | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%<br>10%   | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025<br>-347%<br>204%<br>62%<br>0%<br>15%                                   | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%<br>224,316<br>42%<br>56%<br>28%<br>0%<br>5%  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%<br>-250,802<br>-139%<br>49%<br>18%<br>0%<br>5%  | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%<br>0%<br>4%  | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%<br>0%<br>6%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%<br>27%   |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy 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   | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919<br>-125%<br>12%<br>19%<br>0%<br>6%   | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%<br>0%<br>5%  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%<br>0%<br>3%   | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%<br>5%   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%<br>7%   | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%<br>10%   | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025<br>-347%<br>204%<br>62%<br>0%<br>15%                                   | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%<br>224,316<br>42%<br>56%<br>28%<br>0%<br>5%  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%<br>-250,802<br>-139%<br>49%<br>18%<br>0%<br>5%  | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%<br>0%<br>4%  | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%<br>0%<br>6%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%<br>27%   |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy 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   | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919<br>-125%<br>12%<br>19%<br>0%<br>6%<br>-12%                                 | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%<br>0%<br>5%<br>-12%  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%<br>0%<br>3%<br>-8%  | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%<br>5%<br>-24%   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%<br>7%<br>-42%                                       | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%<br>10%<br>-32%                                       | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025<br>-347%<br>204%<br>62%<br>0%<br>15%<br>-34%                           | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%<br>224,316<br>42%<br>56%<br>28%<br>0%<br>5%<br>-31%                                  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%<br>-250,802<br>-139%<br>49%<br>18%<br>0%<br>5%<br>-32%  | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%<br>0%<br>4%<br>-21%  | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%<br>0%<br>6%<br>-40%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%<br>27%<br>-66%                                       |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy 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   | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919<br>-125%<br>12%<br>19%<br>0%<br>6%<br>-12%                                 | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%<br>0%<br>5%<br>-12%  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%<br>0%<br>3%<br>-8%  | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%<br>5%<br>-24%   | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%<br>7%<br>-42%                                       | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%<br>10%<br>-32%                                       | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025<br>-347%<br>204%<br>62%<br>0%<br>15%<br>-34%                           | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>224,316<br>42%<br>56%<br>28%<br>0%<br>5%<br>-31%  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>22%<br>-250,802<br>-139%<br>49%<br>18%<br>0%<br>5%<br>-32%   | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%<br>0%<br>4%<br>-21%  | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%<br>0%<br>6%<br>-40%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%<br>27%<br>-66%                                       |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy 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  | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919<br>-125%<br>12%<br>19%<br>0%<br>6%<br>-12%                                 | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%<br>0%<br>5%<br>-12%  | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%<br>0%<br>3%<br>-8%  | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%<br>5%<br>-24%<br>62%<br>29%                                 | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%<br>7%<br>-42%                                       | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%<br>10%<br>-32%                                       | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025<br>-347%<br>204%<br>62%<br>0%<br>15%<br>-34%                           | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%<br>224,316<br>42%<br>56%<br>28%<br>0%<br>5%<br>-31%                                  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%<br>-250,802<br>-139%<br>49%<br>18%<br>0%<br>5%<br>-32%  | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%<br>0%<br>4%<br>-21%<br>57%<br>35%                                      | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%<br>0%<br>6%<br>-40%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%<br>27%<br>-66%                                       |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Export/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  | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919<br>-125%<br>12%<br>19%<br>0%<br>6%<br>-12%                                 | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%<br>0%<br>5%<br>-12%<br>56%<br>36%<br>5%                                | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%<br>0%<br>3%<br>-8%<br>54%<br>37%<br>6%                                      | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%<br>5%<br>-24%<br>62%<br>29%<br>6%                           | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%<br>7%<br>-42%<br>59%<br>32%<br>5%                   | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%<br>10%<br>-32%<br>61%<br>31%<br>5%                   | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025<br>-347%<br>204%<br>62%<br>0%<br>15%<br>-34%<br>65%<br>28%<br>4%       | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>224,316<br>42%<br>56%<br>28%<br>0%<br>5%<br>-31%<br>66%<br>27%<br>4%                    | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%<br>-250,802<br>-139%<br>49%<br>18%<br>0%<br>5%<br>-32%<br>62%<br>30%<br>5%                                | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%<br>0%<br>4%<br>-21%<br>57%<br>35%<br>5%                                | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%<br>0%<br>6%<br>-40%   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%<br>27%<br>-66%<br>60%<br>32%<br>5%                   |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  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  | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919<br>-125%<br>12%<br>19%<br>0%<br>6%<br>-12%                                 | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%<br>0%<br>5%<br>-12%<br>56%<br>36%<br>5%<br>2%                          | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%<br>0%<br>3%<br>-8%<br>54%<br>37%<br>6%<br>2%                          | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%<br>5%<br>-24%<br>62%<br>29%<br>6%<br>2%                     | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%<br>7%<br>-42%<br>59%<br>32%<br>5%<br>2%             | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%<br>10%<br>-32%<br>61%<br>31%<br>5%<br>2%             | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025<br>-347%<br>204%<br>62%<br>0%<br>15%<br>-34%<br>65%<br>28%<br>4%<br>1% | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%<br>224,316<br>42%<br>56%<br>28%<br>0%<br>5%<br>-31%<br>66%<br>27%<br>4%<br>1%        | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>22%<br>-250,802<br>-139%<br>49%<br>18%<br>0%<br>5%<br>-32%<br>62%<br>30%<br>5%<br>1%                         | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%<br>0%<br>4%<br>-21%<br>57%<br>35%<br>5%<br>2%                    | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%<br>0%<br>6%<br>-40%<br>57%<br>34%<br>6%<br>2%                   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%<br>27%<br>-66%<br>60%<br>32%<br>5%<br>2%             |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales  Balancing Energy External TC LBMP Energy Sales  Balancing Energy Bilateral - Internal Bilaterals  Balancing Energy Bilateral - Export/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  Export Bilaterals  Wheels Through  | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919<br>-125%<br>12%<br>19%<br>0%<br>6%<br>-12%                                 | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%<br>0%<br>5%<br>-12%<br>56%<br>36%<br>5%<br>2%                          | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%<br>0%<br>3%<br>-8%<br>54%<br>37%<br>6%<br>2%                          | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%<br>5%<br>-24%<br>62%<br>29%<br>6%<br>2%                     | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%<br>7%<br>-42%<br>59%<br>32%<br>5%<br>2%             | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%<br>10%<br>-32%<br>61%<br>31%<br>5%<br>2%             | 16,950,819<br>64%<br>1%<br>28%<br>4%<br>1%<br>2%<br>-86,025<br>-347%<br>204%<br>62%<br>0%<br>15%<br>-34%<br>65%<br>28%<br>4%<br>1% | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>2%<br>224,316<br>42%<br>56%<br>28%<br>0%<br>5%<br>-31%<br>66%<br>27%<br>4%<br>1%        | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>22%<br>-250,802<br>-139%<br>49%<br>18%<br>0%<br>5%<br>-32%<br>62%<br>30%<br>5%<br>1%                         | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%<br>0%<br>4%<br>-21%<br>57%<br>35%<br>5%<br>2%                    | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%<br>0%<br>6%<br>-40%<br>57%<br>34%<br>6%<br>2%                   | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%<br>27%<br>-66%<br>60%<br>32%<br>5%<br>2%             |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  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  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market | 14,760,915<br>54%<br>4%<br>34%<br>5%<br>2%<br>2%<br>-522,919<br>-125%<br>12%<br>19%<br>0%<br>6%<br>-12%<br>56%<br>36%<br>5%<br>2%<br>1% | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%<br>0%<br>5%<br>-12%<br>56%<br>36%<br>5%<br>2%<br>1%                    | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%<br>0%<br>3%<br>-8%<br>54%<br>37%<br>6%<br>2%<br>1%                    | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%<br>5%<br>-24%<br>62%<br>29%<br>6%<br>29%<br>6%<br>2%<br>1%  | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%<br>7%<br>-42%<br>59%<br>32%<br>5%<br>2%<br>2%       | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%<br>10%<br>-32%<br>61%<br>31%<br>5%<br>2%<br>2%       | 16,950,819 64% 1% 28% 4% 1% 2% -86,025 -347% 204% 62% 0% 15% -34% 65% 28% 4% 1% 1%   | 17,413,898 63% 3% 27% 4% 1% 2% 224,316 42% 56% 28% 0% 5% -31% 66% 27% 4% 1% 1%  | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>22%<br>-250,802<br>-139%<br>49%<br>18%<br>0%<br>5%<br>-32%<br>62%<br>30%<br>5%<br>1%<br>2%                   | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%<br>0%<br>4%<br>-21%<br>57%<br>35%<br>5%<br>2%<br>1%                    | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%<br>0%<br>6%<br>-40%<br>57%<br>34%<br>6%<br>2%<br>2%<br>2%       | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%<br>27%<br>-66%<br>60%<br>32%<br>5%<br>2%<br>2%       |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales DAM External TC LBMP Energy Sales DAM Bilateral - Internal Bilaterals DAM Bilateral - Importl/Non-LBMP Market Bilaterals DAM Bilateral - Export/Non-LBMP Market Bilaterals DAM Bilateral - Wheel Through Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  Balancing Energy LSE Internal LBMP Energy Sales Balancing Energy External TC LBMP Energy Sales Balancing Energy Bilateral - Internal Bilaterals Balancing Energy Bilateral - Export/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 Export Bilaterals Wheels Through  Market Share of Total Load                                   | 14,760,915 54% 4% 34% 5% 2% 2% -522,919 -125% 12% 19% 0% 6% -12%  56% 36% 5% 2% 1%  103.7% -3.7%  | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%<br>0%<br>5%<br>-12%<br>56%<br>36%<br>5%<br>2%<br>1%<br>104.5%<br>-4.5% | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>2%<br>-741,701<br>-118%<br>19%<br>4%<br>0%<br>3%<br>-8%<br>54%<br>37%<br>6%<br>2%<br>1%<br>105.9%<br>-5.9% | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%<br>5%<br>-24%<br>62%<br>29%<br>6%<br>29%<br>6%<br>29%<br>1% | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%<br>7%<br>-42%<br>59%<br>32%<br>5%<br>2%<br>2%<br>2% | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%<br>10%<br>-32%<br>61%<br>31%<br>5%<br>2%<br>2%<br>2% | 16,950,819 64% 1% 28% 4% 1% 2% -86,025 -347% 204% 62% 0% 15% -34%  65% 28% 4% 1% 1% 1% 100.5% -0.5%                                | 17,413,898<br>63%<br>3%<br>27%<br>4%<br>1%<br>224,316<br>42%<br>56%<br>28%<br>0%<br>56%<br>-31%<br>66%<br>27%<br>4%<br>1%<br>1%<br>1% | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%<br>-250,802<br>-139%<br>49%<br>18%<br>0%<br>5%<br>-32%<br>62%<br>30%<br>5%<br>1%<br>2%<br>101.8%<br>-1.8% | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%<br>0%<br>4%<br>-21%<br>57%<br>35%<br>5%<br>2%<br>1%<br>103.8%<br>-3.8% | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%<br>0%<br>6%<br>-40%<br>57%<br>34%<br>6%<br>2%<br>2%<br>2%<br>2% | 14,245,185<br>58%<br>3%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%<br>27%<br>-66%<br>60%<br>32%<br>5%<br>2%<br>2%<br>2% |
| Day Ahead Market MWh  DAM LSE Internal LBMP Energy Sales  DAM External TC LBMP Energy Sales  DAM Bilateral - Internal Bilaterals  DAM Bilateral - Importl/Non-LBMP Market Bilaterals  DAM Bilateral - Export/Non-LBMP Market Bilaterals  DAM Bilateral - Wheel Through Bilaterals  Balancing Energy Market MWh  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  Export Bilaterals  Wheels Through  Market Share of Total Load  Day Ahead Market  Balancing Energy +                       | 14,760,915 54% 4% 34% 5% 2% 2% -522,919 -125% 12% 19% 6% -12% 56% 36% 5% 2% 1%  | 13,614,754<br>55%<br>2%<br>34%<br>5%<br>1%<br>2%<br>-580,900<br>-114%<br>13%<br>9%<br>0%<br>5%<br>-12%<br>56%<br>36%<br>5%<br>2%<br>1%                    | 13,413,781<br>55%<br>1%<br>35%<br>5%<br>2%<br>2%<br>2741,701<br>-118%<br>19%<br>4%<br>0%<br>3%<br>-8%<br>54%<br>37%<br>6%<br>2%<br>1%                          | 12,496,141<br>57%<br>5%<br>28%<br>6%<br>2%<br>2%<br>-303,313<br>-76%<br>-13%<br>8%<br>0%<br>5%<br>-24%<br>62%<br>29%<br>6%<br>29%<br>6%<br>2%<br>1%  | 12,959,886<br>58%<br>2%<br>31%<br>5%<br>2%<br>2%<br>-180,848<br>-147%<br>55%<br>27%<br>0%<br>7%<br>-42%<br>59%<br>32%<br>5%<br>2%<br>2%       | 14,095,904<br>60%<br>1%<br>30%<br>5%<br>2%<br>2%<br>-143,015<br>-203%<br>77%<br>47%<br>0%<br>10%<br>-32%<br>61%<br>31%<br>5%<br>2%<br>2%       | 16,950,819 64% 1% 28% 4% 1% 2% -86,025 -347% 204% 62% 0% 15% -34% 65% 28% 4% 1% 1% 1%  | 17,413,898 63% 3% 27% 4% 1% 2% 224,316 42% 56% 28% 0% 5% -31% 66% 27% 4% 1% 1% 1%   | 14,563,318<br>60%<br>3%<br>30%<br>5%<br>1%<br>2%<br>-250,802<br>-139%<br>49%<br>18%<br>0%<br>5%<br>-32%<br>62%<br>30%<br>5%<br>1%<br>2%                    | 13,014,354<br>56%<br>2%<br>33%<br>5%<br>2%<br>2%<br>-477,109<br>-111%<br>21%<br>6%<br>0%<br>4%<br>-21%<br>57%<br>35%<br>5%<br>2%<br>1%                    | 12,770,775<br>56%<br>2%<br>32%<br>5%<br>2%<br>3%<br>-394,575<br>-102%<br>28%<br>9%<br>0%<br>6%<br>-40%<br>57%<br>34%<br>6%<br>2%<br>2%<br>2%<br>2% | 14,245,185<br>58%<br>31%<br>5%<br>2%<br>2%<br>-127,836<br>-269%<br>138%<br>65%<br>4%<br>27%<br>-66%<br>60%<br>32%<br>5%<br>2%<br>2%<br>2%       |

<sup>+</sup> Balancing Energy: Load(MW) purchased at Real Time LBMP.

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

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

#### **NYISO Markets 2017 Energy Statistics**

|  |                |                 |         | 141100            | Wai KCt3   | ZOTT LITE   | igy otati   | 31103         |                    |         |            |                 |
|--|----------------|-----------------|---------|-------------------|------------|-------------|-------------|---------------|--------------------|---------|------------|-----------------|
| DAY AHEAD LBMP                         | <u>January</u> | <u>February</u> | March   | <u>April</u>      | May        | <u>June</u> | <u>July</u> | <u>August</u> | September          | October | November [ | <u>December</u> |
| Price *                                | \$37.22        | \$28.84         | \$32.04 | \$27.70           | \$27.66    | \$27.37     | \$31.64     | \$27.28       | \$25.05            | \$25.49 | \$27.88    |                 |
| Standard Deviation                     | \$13.20        | \$7.97          | \$11.95 | \$27.70<br>\$7.66 | \$9.47     | \$12.37     | \$13.51     | \$10.60       | \$23.03<br>\$12.09 | \$8.53  | \$9.87     |                 |
| 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    |                 |
| Load Weighted Fried                    | ψ00.42         | Ψ20.00          | ψ02.00  | Ψ20.00            | Ψ20.00     | Ψ20.02      | ψου.7 ο     | Ψ20.00        | Ψ20.00             | Ψ20.07  | Ψ20.00     |                 |
| 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    |                 |
| Standard Deviation                     | \$14.57        | \$9.52          | \$13.70 | \$10.36           | \$21.29    | \$14.76     | \$18.14     | \$13.08       | \$27.14            | \$13.40 | \$10.54    |                 |
| 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    |                 |
| -                                      |                |                 |         |                   |            |             |             |               |                    |         |            |                 |
| 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    |                 |
| Standard Deviation                     | \$18.20        | \$14.21         | \$25.02 | \$39.82           | \$26.11    | \$19.00     | \$20.25     | \$14.03       | \$25.72            | \$14.49 | \$15.86    |                 |
| 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    |                 |
|  |                |                 |         |                   |            |             |             |               |                    |         |            |                 |
| Average Daily Energy Sendout/Month GWh | 431            | 418             | 419     | 377               | 383        | 454         | 498         | 477           | 437                | 398     | 403        |                 |
|  |                |                 |         |                   |            |             |             |               |                    |         |            |                 |
|  |                |                 |         | NYISO             | Markets    | 2016 Ene    | rgy Stati   | stics         |                    |         |            |                 |
|  |                |                 |         |                   |            |             |             |               |                    |         |            |                 |
|  | <u>January</u> | <u>February</u> | March   | <u>April</u>      | <u>May</u> | <u>June</u> | <u>July</u> | August        | <u>September</u>   | October | November I | <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         |
| DTO L DMD                              |                |                 |         |                   |            |             |             |               |                    |         |            |                 |
| RTC LBMP                               | _              |                 |         |                   |            |             |             |               |                    |         |            | _               |

\$23.41

\$9.09

\$24.10

\$25.71

\$16.59

\$26.57

385

\$19.96

\$11.44

\$21.23

\$20.67

\$12.84

\$21.99

397

\$24.29

\$16.58

\$25.73

\$25.87

\$19.27

\$27.39

456

\$36.22

\$38.04

\$39.42

\$34.40

\$38.56

\$38.20

532

\$45.03

\$70.57

\$50.28

\$40.87

\$52.85

\$45.82

548

\$24.70

\$17.46

\$26.97

\$24.90

\$20.70

\$27.38

458

\$19.76

\$8.96

\$20.64

\$20.91

\$12.15

\$21.81

391

\$23.02

\$9.49

\$23.73

\$24.72

\$12.71

\$25.45

398

\$37.08

\$16.72

\$38.35

\$39.00

\$20.92

\$40.42

433

Average Daily Energy Sendout/Month GWh

Price \*

Price \*

**Standard Deviation** 

**REAL TIME LBMP** 

Standard Deviation

Load Weighted Price \*\*

Load Weighted Price \*\*

\$26.12

\$16.06

\$27.16

\$30.15

\$60.09

\$31.80

439

\$24.10

\$17.89

\$25.29

\$24.28

\$18.19

\$25.61

436

\$16.41

\$11.32

\$17.11

\$17.84

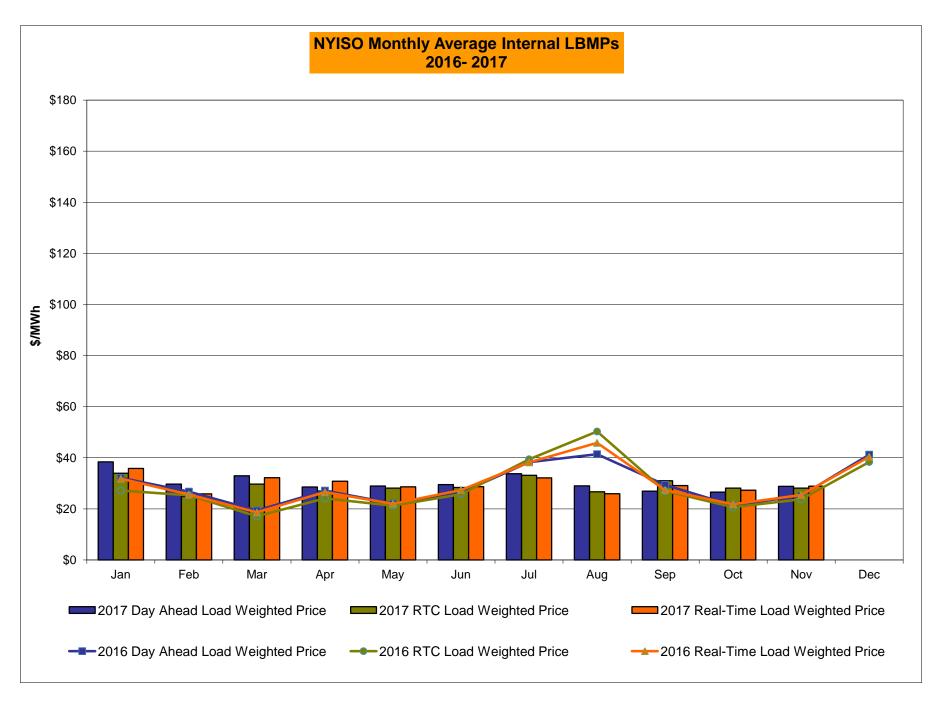
\$15.06

\$18.64

397

<sup>\*</sup> Average zonal load weighted prices.

<sup>\*\*</sup> Average zonal load weighted prices, load weighted in each hour.

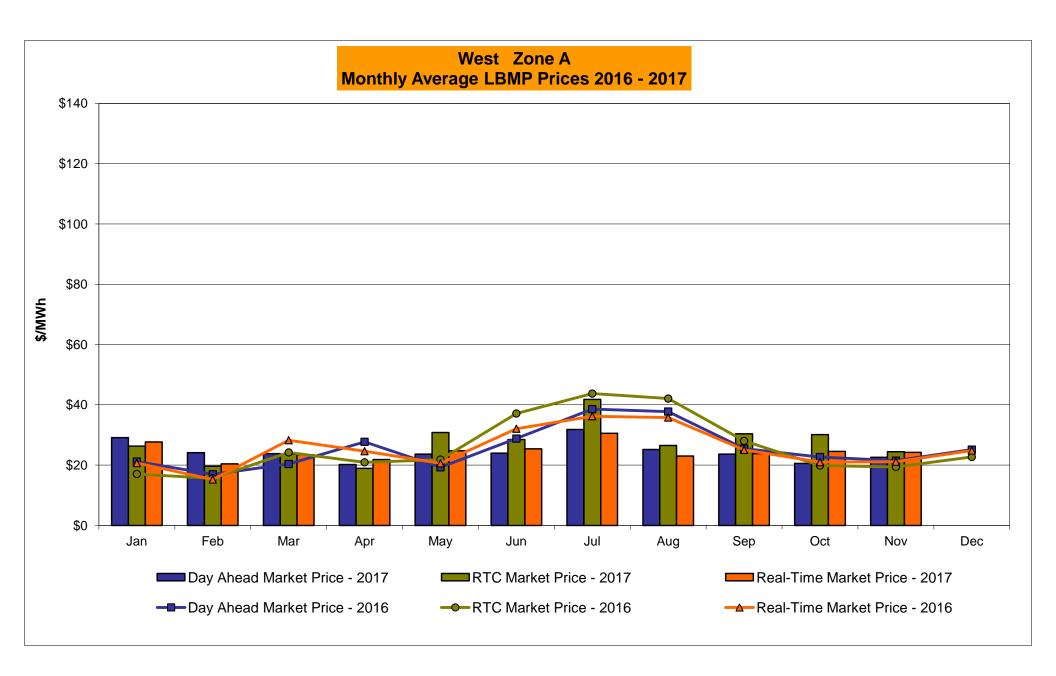


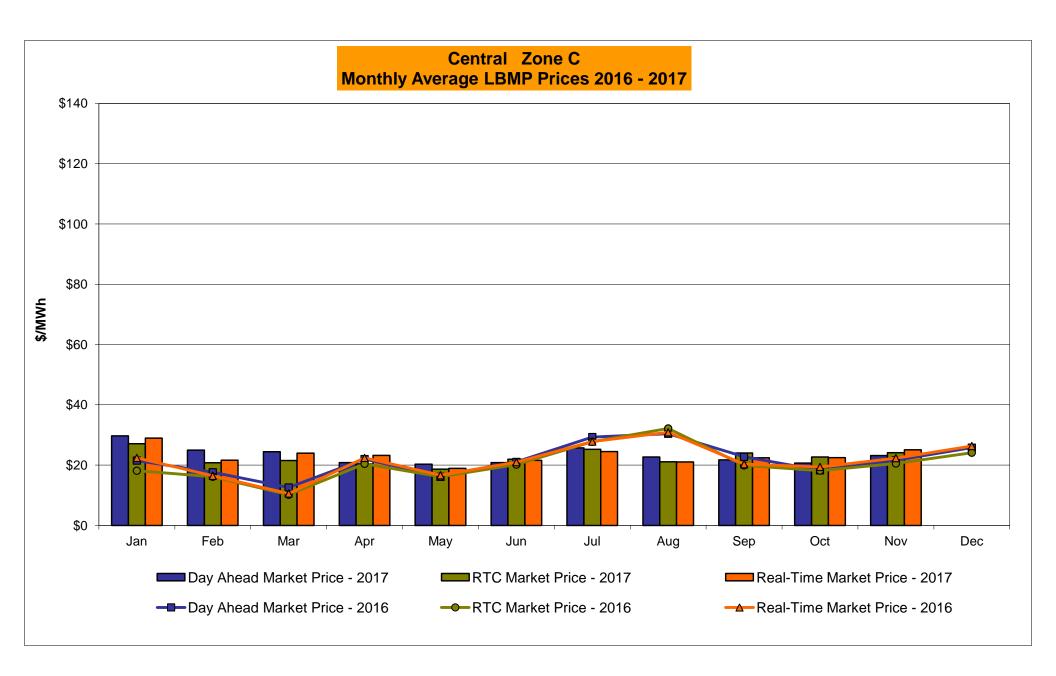
#### November 2017 Zonal LBMP Statistics for NYISO (\$/MWh)

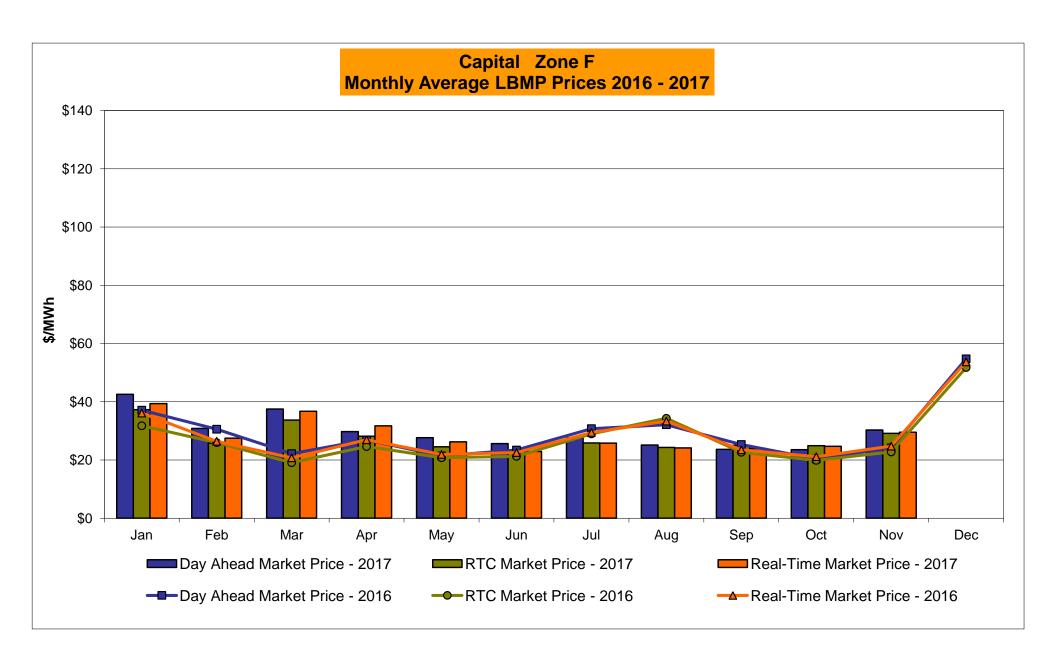
|   | WEST                            | GENESEE   | NORTH   | CENTRAL                         | MOHAWK<br>VALLEY                           | CAPITAL  | HUDSON<br>VALLEY                                    | MILLWOOD                               | DUNWOODIE                             | NEW YORK<br>CITY                      | LONG<br>ISLAND                         |
|---|---------------------------------|---|---|---------------------------------|--|--|---|--|---------------------------------------|---------------------------------------|--|
|   | Zone A                          | Zone B  | Zone D  | Zone C                          | Zone E                                     | Zone F   | Zone G  | Zone H                                 | Zone I                                | Zone J                                | Zone K                                 |
| DAY AHEAD LBMP  |                                 |   |   |                                 |  |  |   |  |                                       |                                       |  |
| Unweighted Price *  | 22.57                           | 22.23   | 20.95   | 23.18                           | 23.40                                      | 30.30  | 29.23   | 29.47                                  | 29.43                                 | 29.97                                 | 34.14                                  |
| Standard Deviation  | 9.83                            | 9.87  | 10.12   | 10.17                           | 10.35                                      | 9.28   | 9.81  | 9.90                                   | 9.89                                  | 9.95                                  | 11.35                                  |
| RTC LBMP  |                                 |   |   |                                 |  |  |   |  |                                       |                                       |  |
| Unweighted Price *  | 24.46                           | 23.03   | 21.72   | 24.13                           | 24.31                                      | 29.12  | 28.29   | 28.41                                  | 28.29                                 | 28.78                                 | 31.46                                  |
| Standard Deviation  | 20.47                           | 11.03   | 11.62   | 11.50                           | 11.32                                      | 10.92  | 10.03   | 10.06                                  | 9.98                                  | 9.86                                  | 13.00                                  |
| REAL TIME LBMP  |                                 |   |   |                                 |  |  |   |  |                                       |                                       |  |
| Unweighted Price *  | 24.21                           | 24.07   | 22.81   | 25.08                           | 25.36                                      | 29.55  | 28.96   | 29.09                                  | 28.97                                 | 29.28                                 | 32.18                                  |
| Standard Deviation  | 16.38                           | 15.93   | 16.30   | 16.42                           | 16.54                                      | 16.29  | 16.14   | 16.20                                  | 16.11                                 | 16.01                                 | 18.04                                  |
|   |                                 |   |   |                                 |  |  |   |  |                                       |                                       |  |
|   |                                 | LIVERO  | LIVERO  |                                 |  | 00000  |   |  |                                       |                                       |  |
|   | ONTARIO                         | HYDRO   | HYDRO   |                                 | NEW  | CROSS  | NODTUBORT   |  |                                       |                                       |  |
|   | ONTARIO                         | QUEBEC  | QUEBEC  | D IM                            | NEW<br>ENGLAND                             | SOUND  | NORTHPORT-  | NEDTLINE                               | I INDEN VET                           | шпеом                                 | Donnison                               |
|   | ONTARIO<br>IESO                 | QUEBEC  |   | РЈМ                             | NEW<br>ENGLAND                             | SOUND<br>CABLE   | NORWALK   | NEPTUNE<br>Controllable                | LINDEN VFT                            | HUDSON                                | Dennison<br>Controllable               |
|   |                                 | QUEBEC  | QUEBEC  | PJM<br><u>Zone P</u>            |  | SOUND  |   | NEPTUNE Controllable Line              | LINDEN VFT Controllable Line          | HUDSON Controllable Line              | Dennison<br>Controllable<br>Line       |
| DAY AHEAD LBMP  | IESO                            | QUEBEC<br>(Wheel)                               | QUEBEC<br>(Import/Export)                               |                                 | ENGLAND                                    | SOUND<br>CABLE<br>Controllable                           | NORWALK<br>Controllable                             | Controllable                           | <u>Controllable</u>                   | <u>Controllable</u>                   | Controllable                           |
| <b>DAY AHEAD LBMP</b> Unweighted Price *  | IESO                            | QUEBEC<br>(Wheel)                               | QUEBEC<br>(Import/Export)                               |                                 | ENGLAND                                    | SOUND<br>CABLE<br>Controllable                           | NORWALK<br>Controllable                             | Controllable                           | <u>Controllable</u>                   | <u>Controllable</u>                   | Controllable                           |
|   | IESO<br>Zone O                  | QUEBEC<br>(Wheel)<br>Zone M                     | QUEBEC<br>(Import/Export)<br>Zone M                     | Zone P                          | ENGLAND  Zone N                            | SOUND<br>CABLE<br>Controllable<br>Line                   | NORWALK<br>Controllable<br>Line                     | Controllable<br>Line                   | Controllable<br>Line                  | Controllable<br>Line                  | Controllable<br>Line                   |
| Unweighted Price *  | <b>Zone O</b> 21.60             | QUEBEC (Wheel)  Zone M  20.92                   | QUEBEC (Import/Export)  Zone M  20.92                   | <b>Zone P</b> 26.77             | ENGLAND  Zone N  30.34                     | SOUND<br>CABLE<br>Controllable<br>Line                   | NORWALK Controllable Line 33.17                     | Controllable<br>Line<br>31.87          | Controllable<br>Line<br>29.76         | Controllable<br>Line<br>29.89         | Controllable<br>Line<br>20.77          |
| Unweighted Price * Standard Deviation   | <b>Zone O</b> 21.60             | QUEBEC (Wheel)  Zone M  20.92                   | QUEBEC (Import/Export)  Zone M  20.92                   | <b>Zone P</b> 26.77             | ENGLAND  Zone N  30.34                     | SOUND<br>CABLE<br>Controllable<br>Line                   | NORWALK Controllable Line 33.17                     | Controllable<br>Line<br>31.87          | Controllable<br>Line<br>29.76         | Controllable<br>Line<br>29.89         | Controllable<br>Line<br>20.77          |
| Unweighted Price * Standard Deviation  RTC LBMP   | Zone O  21.60 9.31              | QUEBEC<br>(Wheel)<br>Zone M<br>20.92<br>9.87    | QUEBEC (Import/Export)  Zone M  20.92 9.87              | <b>Zone P</b> 26.77 9.80        | <b>Zone N</b> 30.34 10.09                  | SOUND<br>CABLE<br>Controllable<br>Line<br>33.55<br>11.27 | NORWALK Controllable Line  33.17 11.48              | Controllable<br>Line<br>31.87<br>10.31 | Controllable<br>Line<br>29.76<br>9.77 | Controllable<br>Line<br>29.89<br>9.95 | Controllable<br>Line<br>20.77<br>10.02 |
| Unweighted Price * Standard Deviation  RTC LBMP Unweighted Price * Standard Deviation  REAL TIME LBMP | 21.60<br>9.31<br>21.81<br>10.95 | QUEBEC (Wheel)  Zone M  20.92 9.87  21.67 11.56 | QUEBEC (Import/Export)  Zone M  20.92 9.87  21.65 11.57 | 26.77<br>9.80<br>26.48<br>10.33 | Zone N<br>30.34<br>10.09<br>32.25<br>19.06 | SOUND<br>CABLE<br>Controllable<br>Line<br>33.55<br>11.27 | NORWALK Controllable Line  33.17 11.48  30.90 13.06 | 20.20<br>30.20<br>12.23                | 29.76<br>9.77<br>26.78<br>13.17       | 29.89<br>9.95<br>28.59<br>9.94        | 20.77<br>10.02<br>22.05<br>11.21       |
| Unweighted Price * Standard Deviation  RTC LBMP  Unweighted Price * Standard Deviation                | 21.60<br>9.31                   | QUEBEC (Wheel)  Zone M  20.92 9.87              | QUEBEC (Import/Export)  Zone M  20.92 9.87              | <b>Zone P</b> 26.77 9.80        | <b>Zone N</b> 30.34 10.09                  | SOUND<br>CABLE<br>Controllable<br>Line<br>33.55<br>11.27 | NORWALK Controllable Line 33.17 11.48               | 20.20 Controllable Line 31.87 10.31    | 29.76<br>9.77                         | Controllable<br>Line<br>29.89<br>9.95 | 20.77<br>10.02                         |

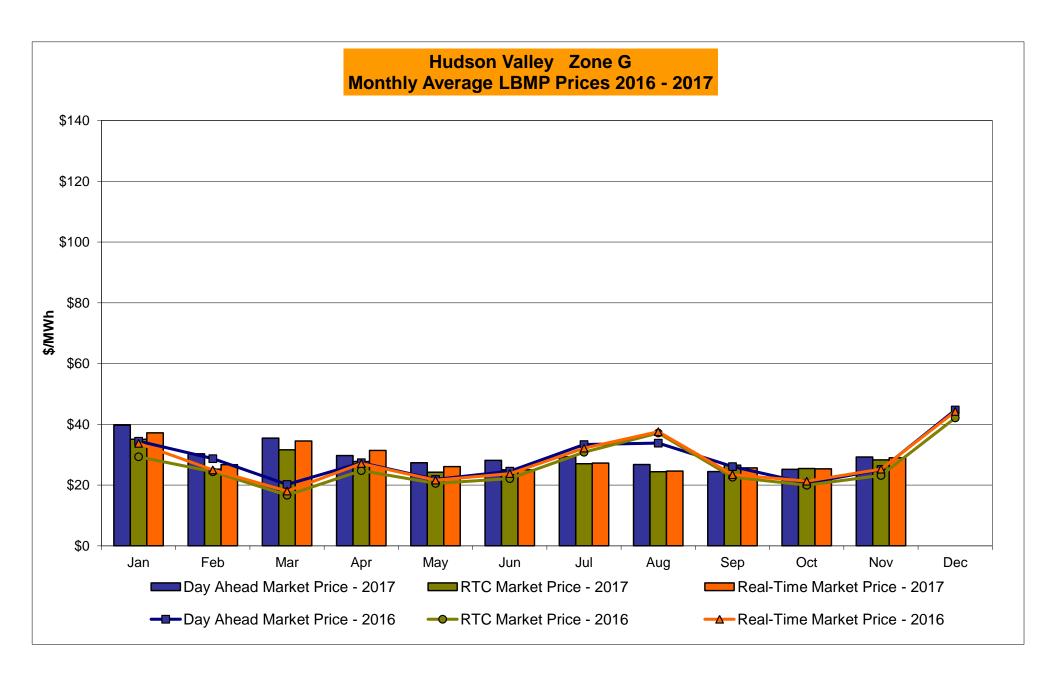
Market Mitigation and Analysis Prepared: 12/8/2017 10:32 AM

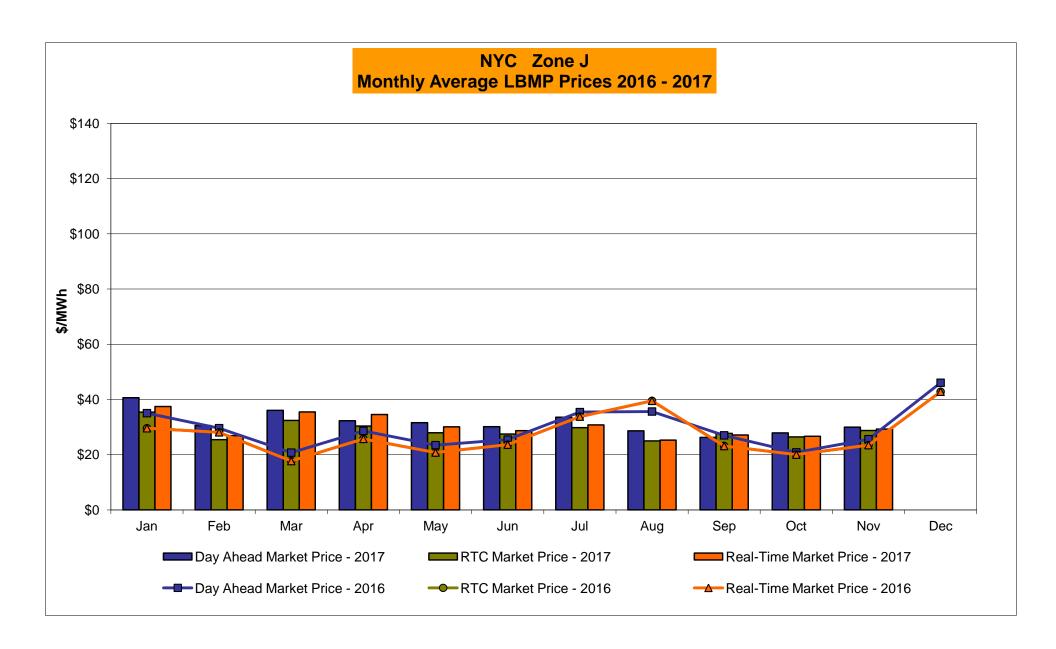
<sup>\*</sup> Straight LBMP averages

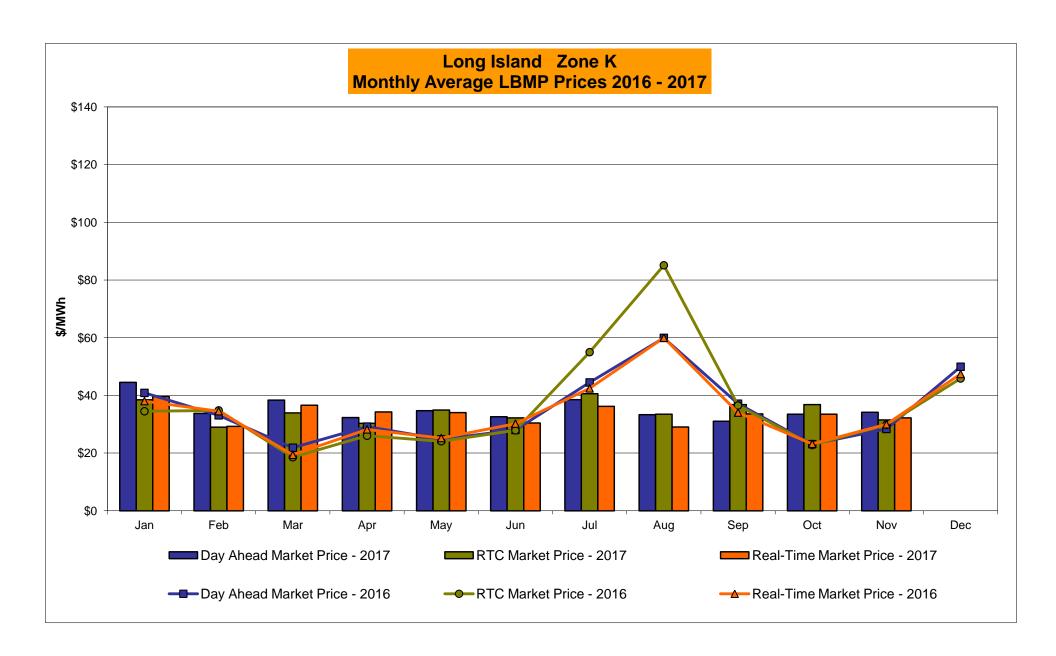


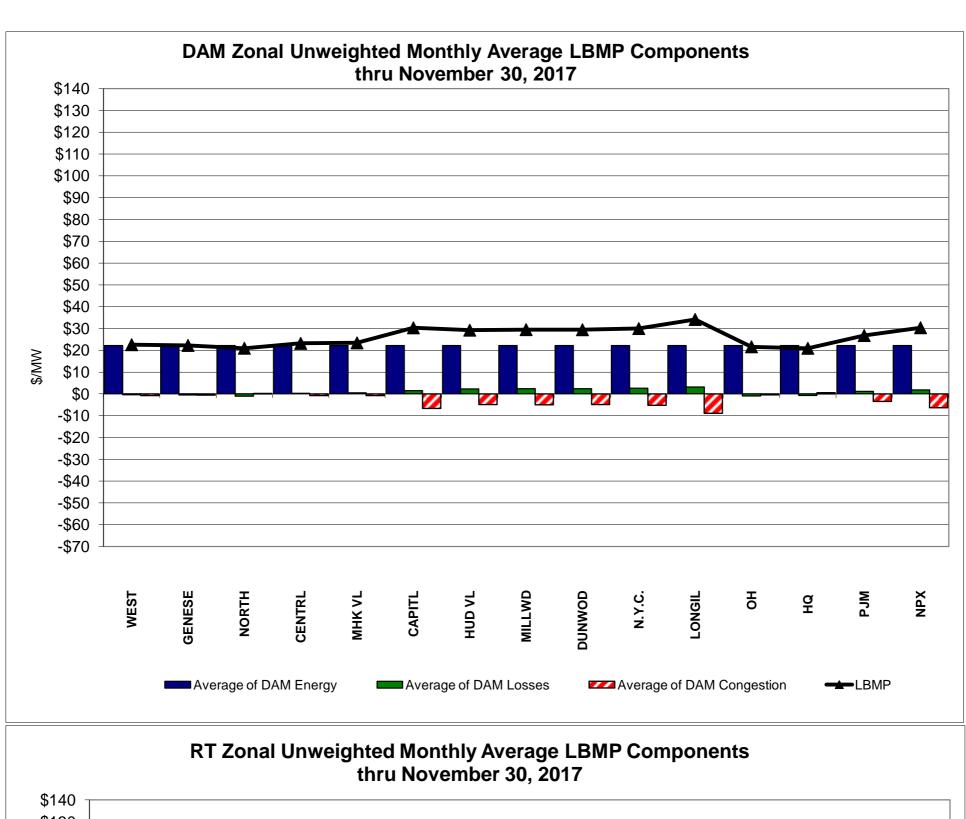


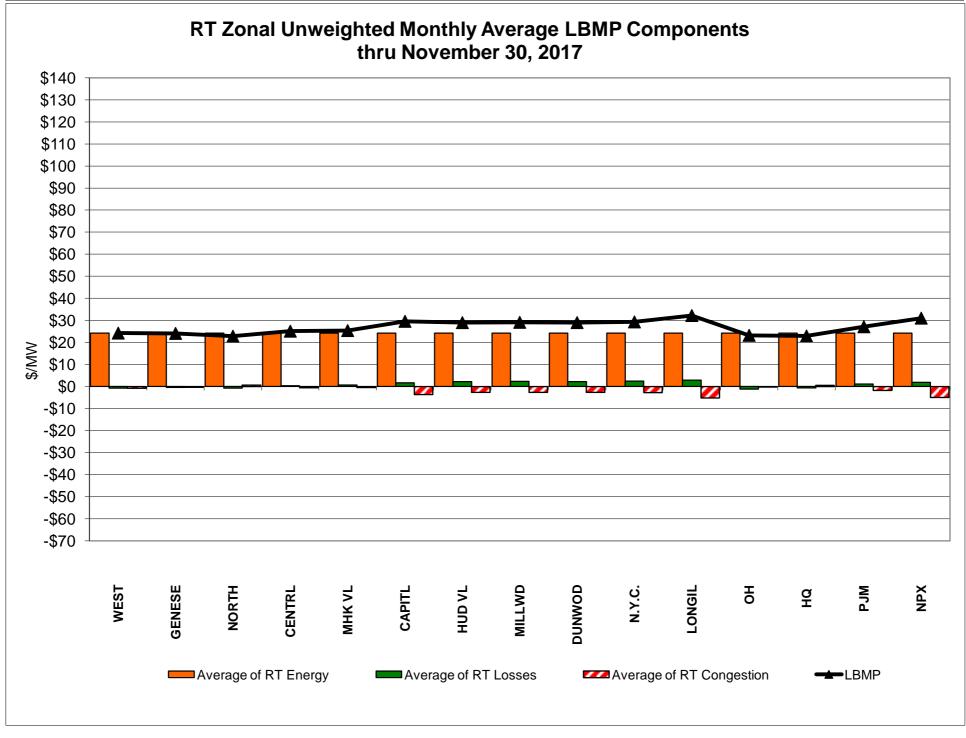




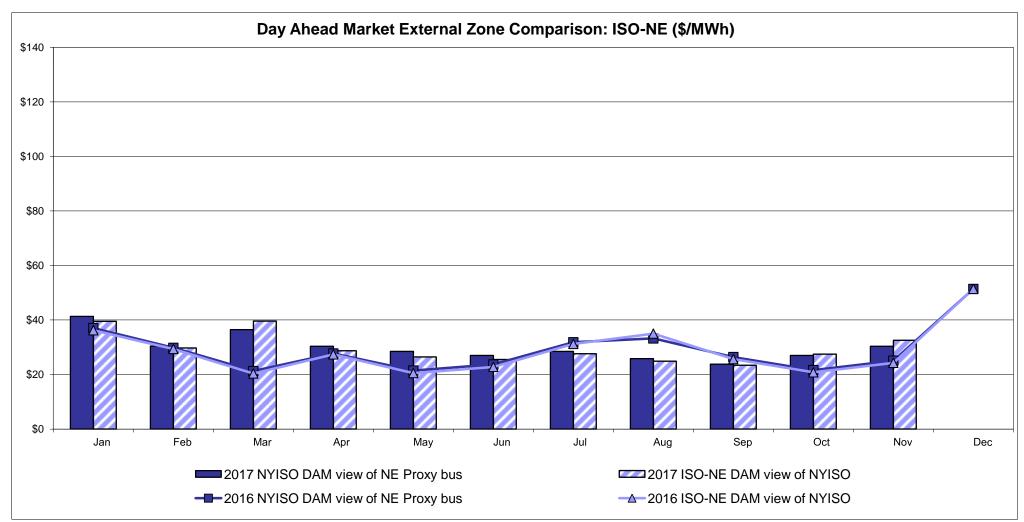


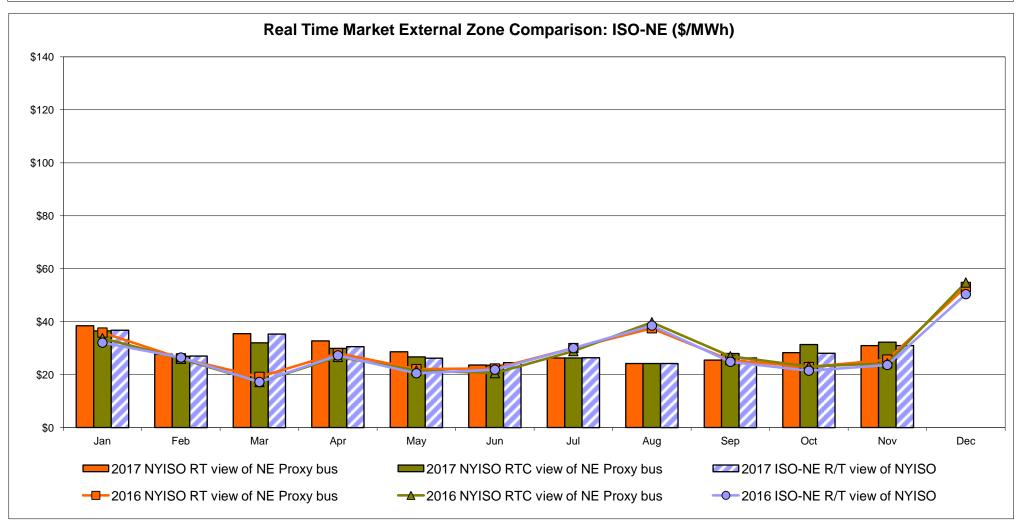




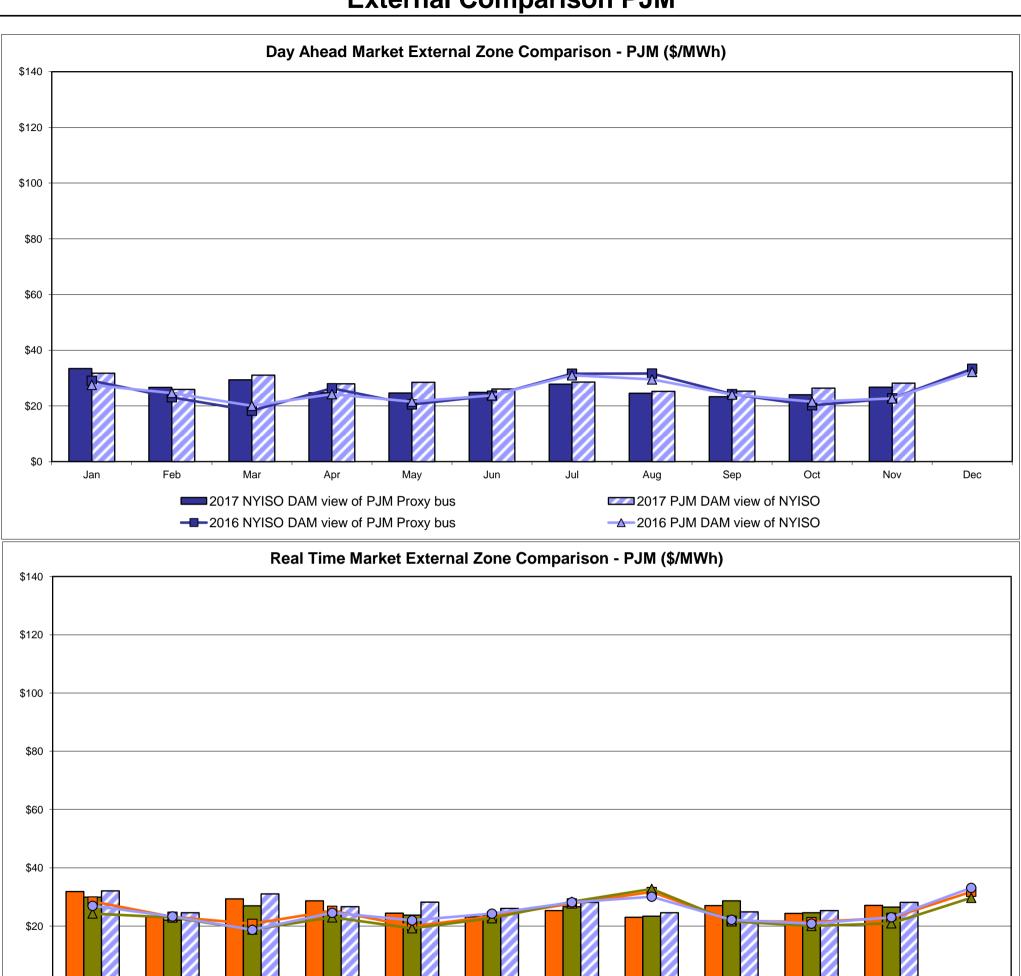


# **External Comparison ISO-New England**





# **External Comparison PJM**



■2017 NYISO RT view of PJM Proxy bus

----2016 NYISO RT view of PJM Proxy bus

\$0

Jun

2017 NYISO RTC view of PJM Proxy bus

2016 NYISO RTC view of PJM Proxy bus

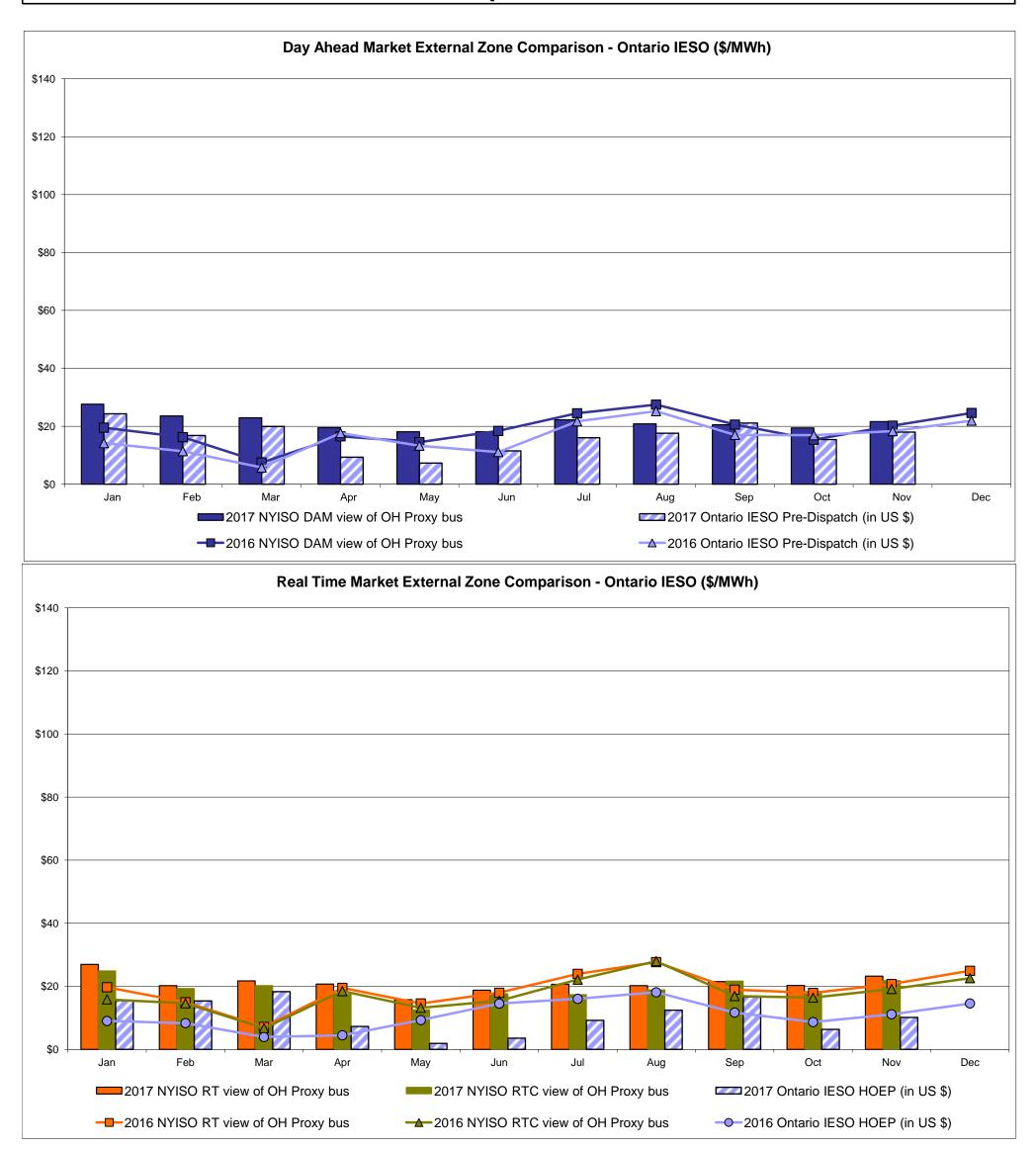
Sep

2017 PJM R/T view of NYISO

-0-2016 PJM R/T view of NYISO

May

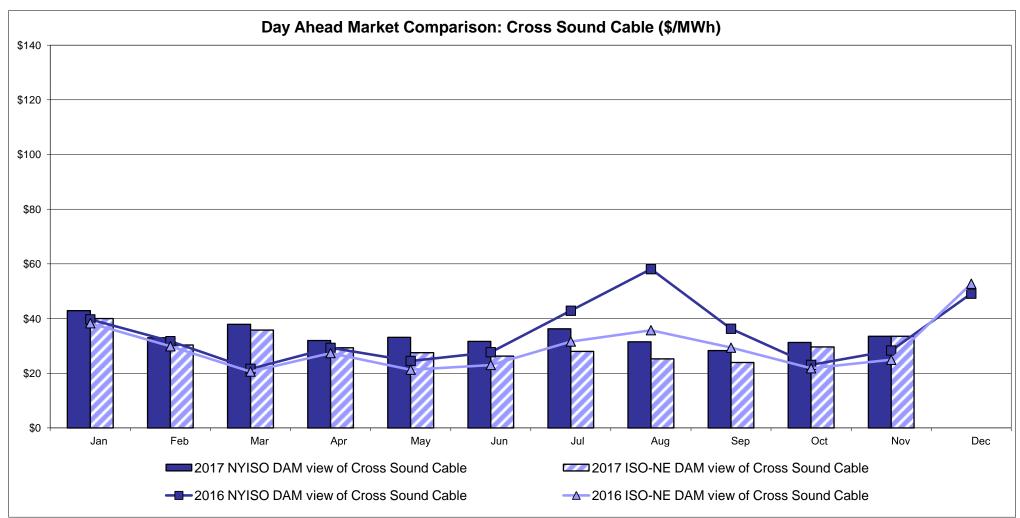
# **External Comparison Ontario IESO**

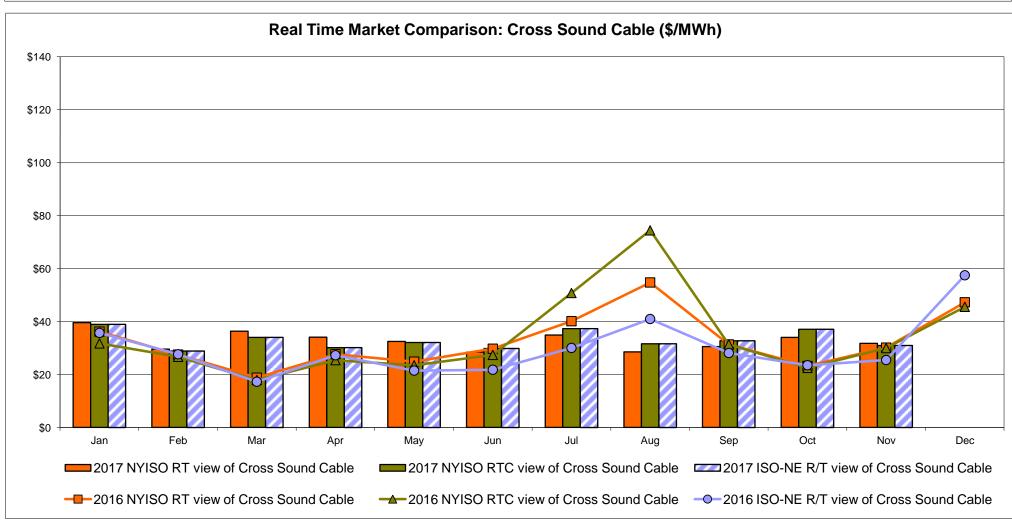


Notes: Exchange factor used for November 2017 was 0.782901432709622 to US

HOEP: Hourly Ontario Energy Price Pre-Dispatch: Projected Energy Price

# External Controllable Line: Cross Sound Cable (New England)





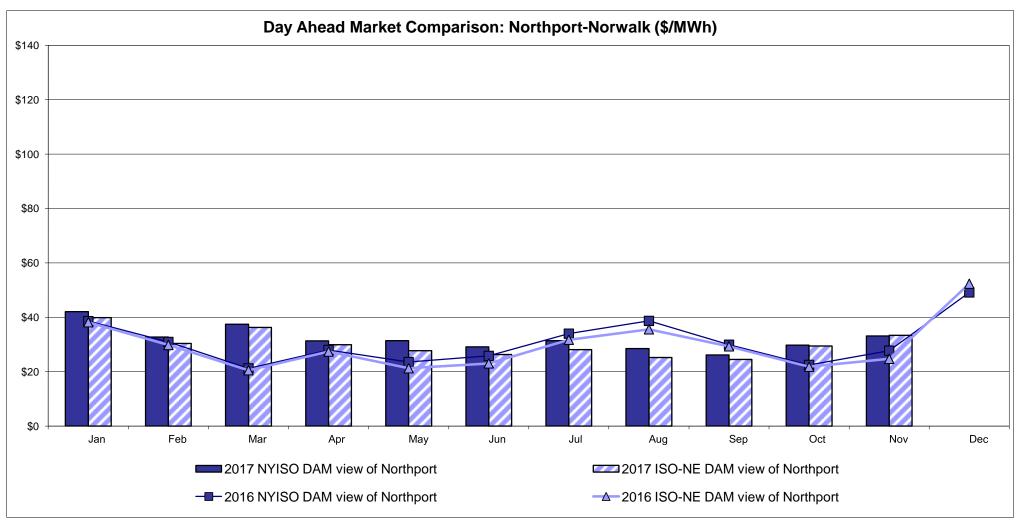
#### Note:

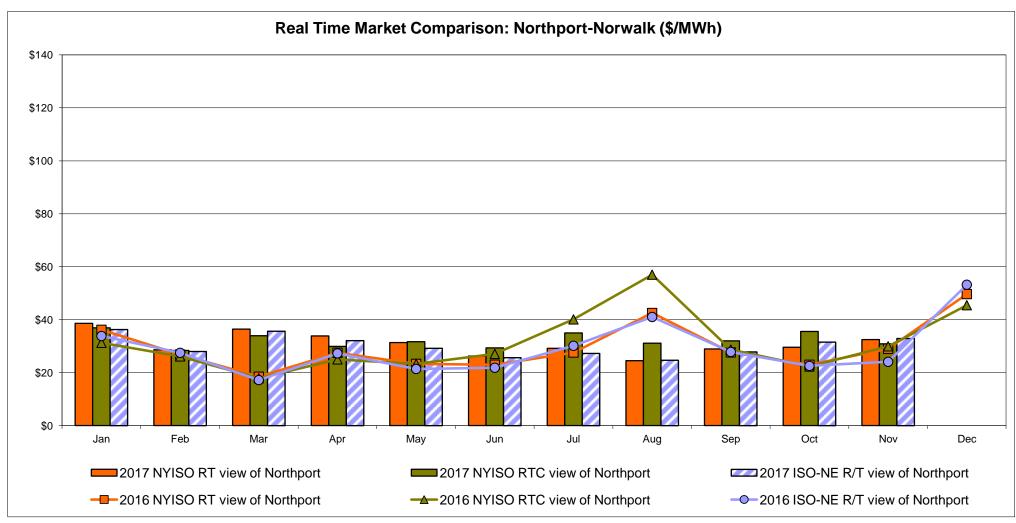
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

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

#### **External Controllable Line: Northport - Norwalk (New England)**





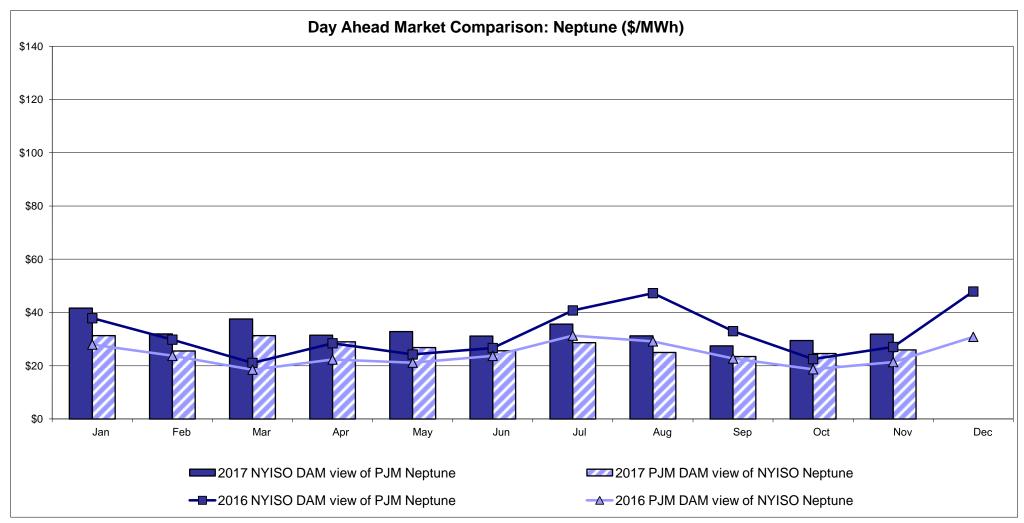
#### Note:

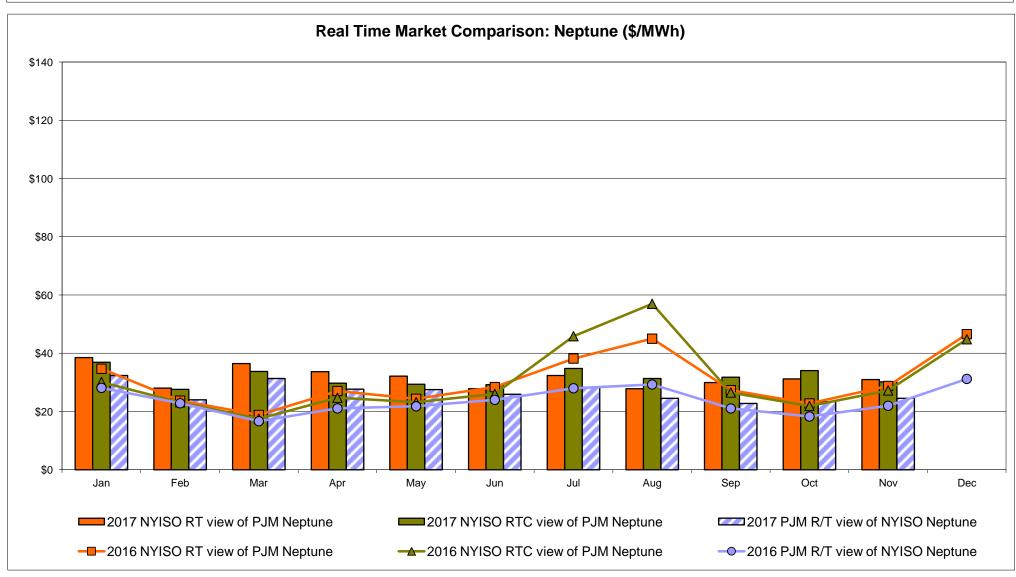
ISO-NE Forecast is an advisory posting @ 18:00 day before.

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

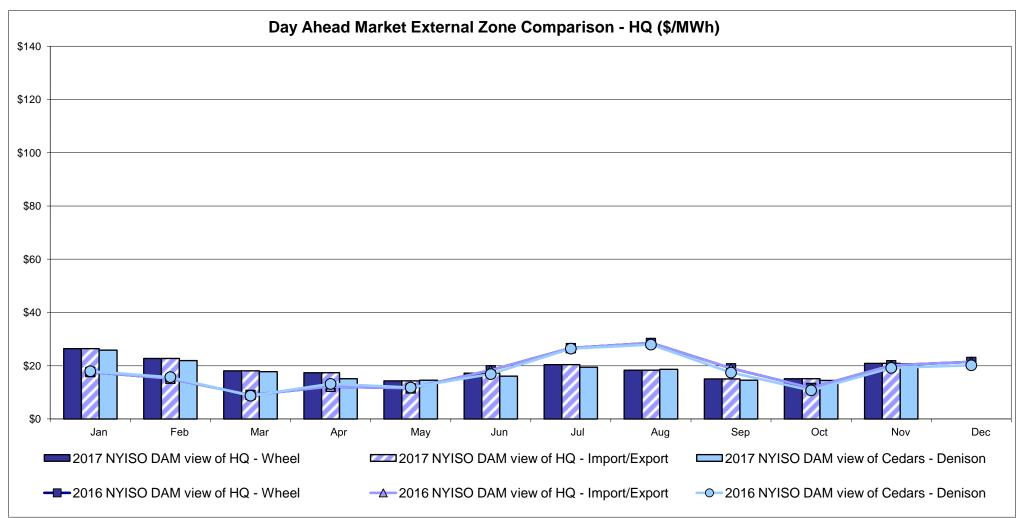
The DAM and R/T prices at the 1385 interface are used for NYISO.

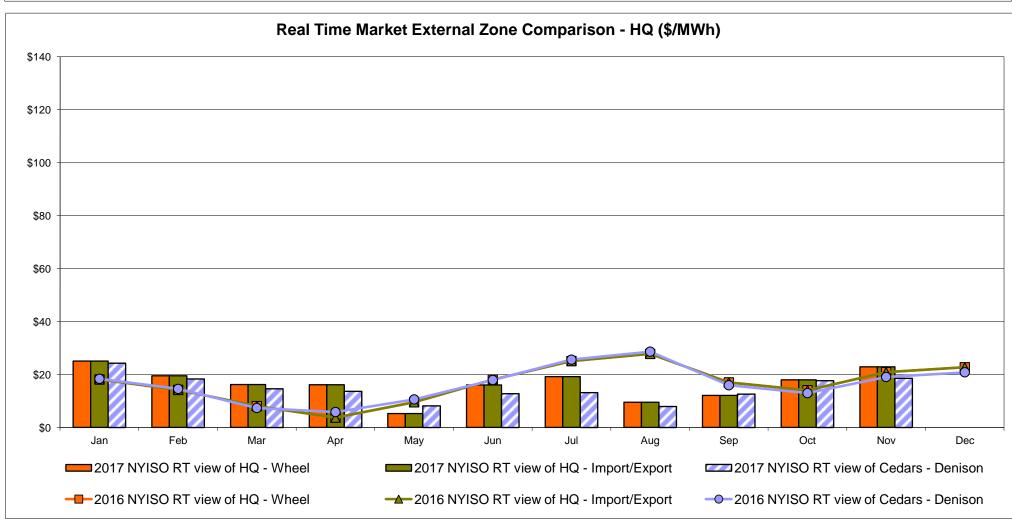
#### **External Controllable Line: Neptune (PJM)**





# **External Comparison Hydro-Quebec**

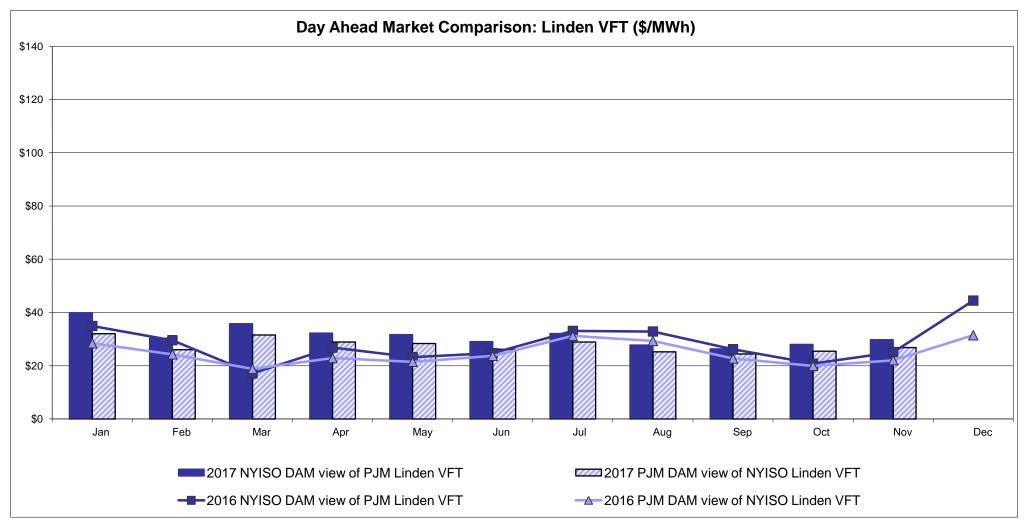


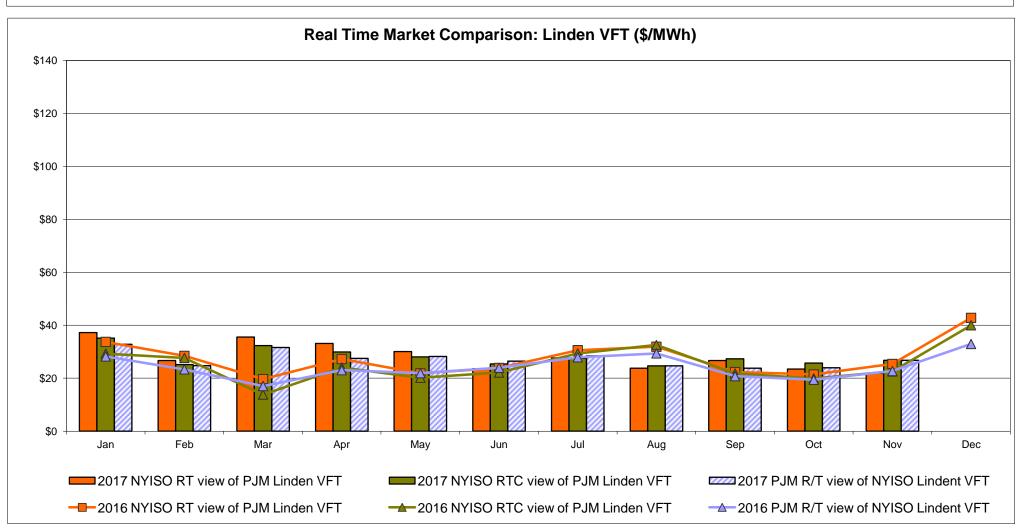


Note:

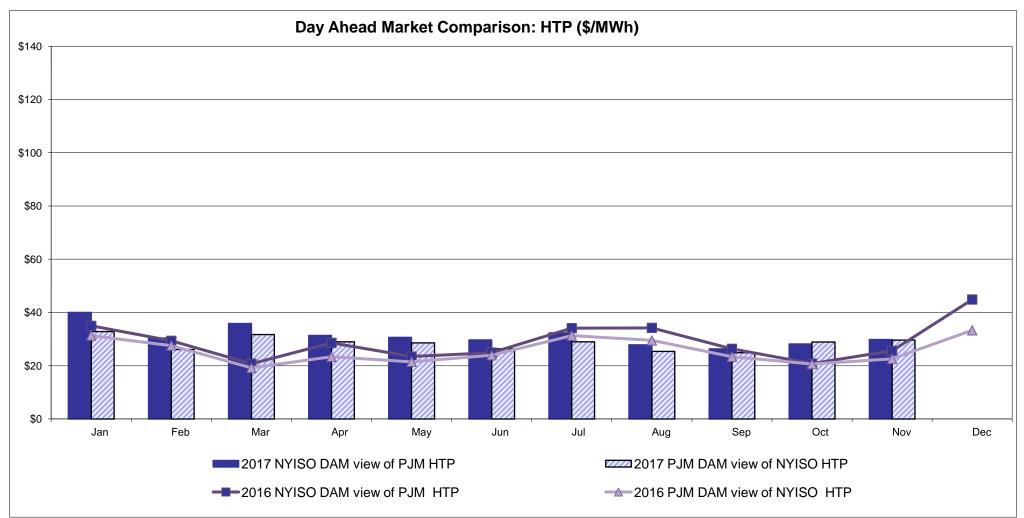
Hydro-Quebec Prices are unavailable.

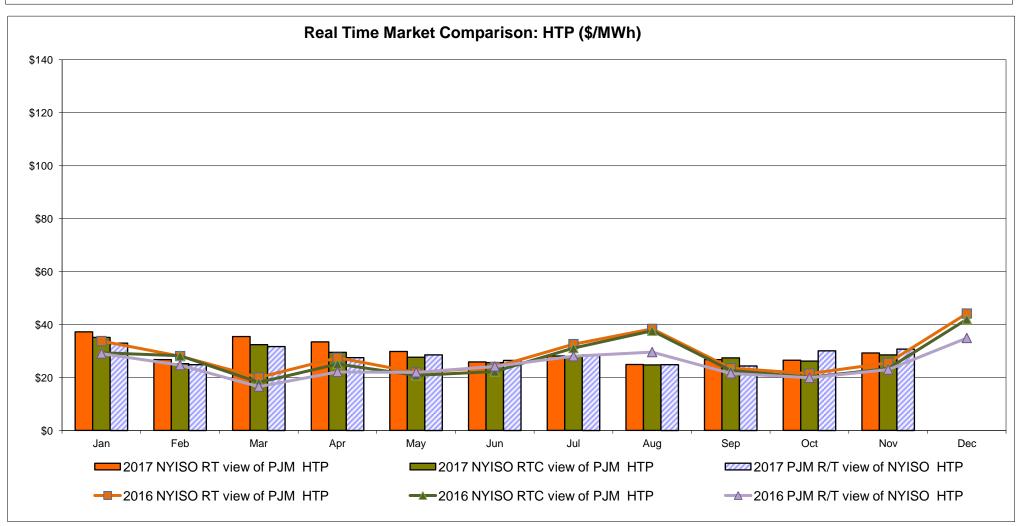
#### **External Controllable Line: Linden VFT (PJM)**





#### **External Controllable Line: Hudson (PJM)**

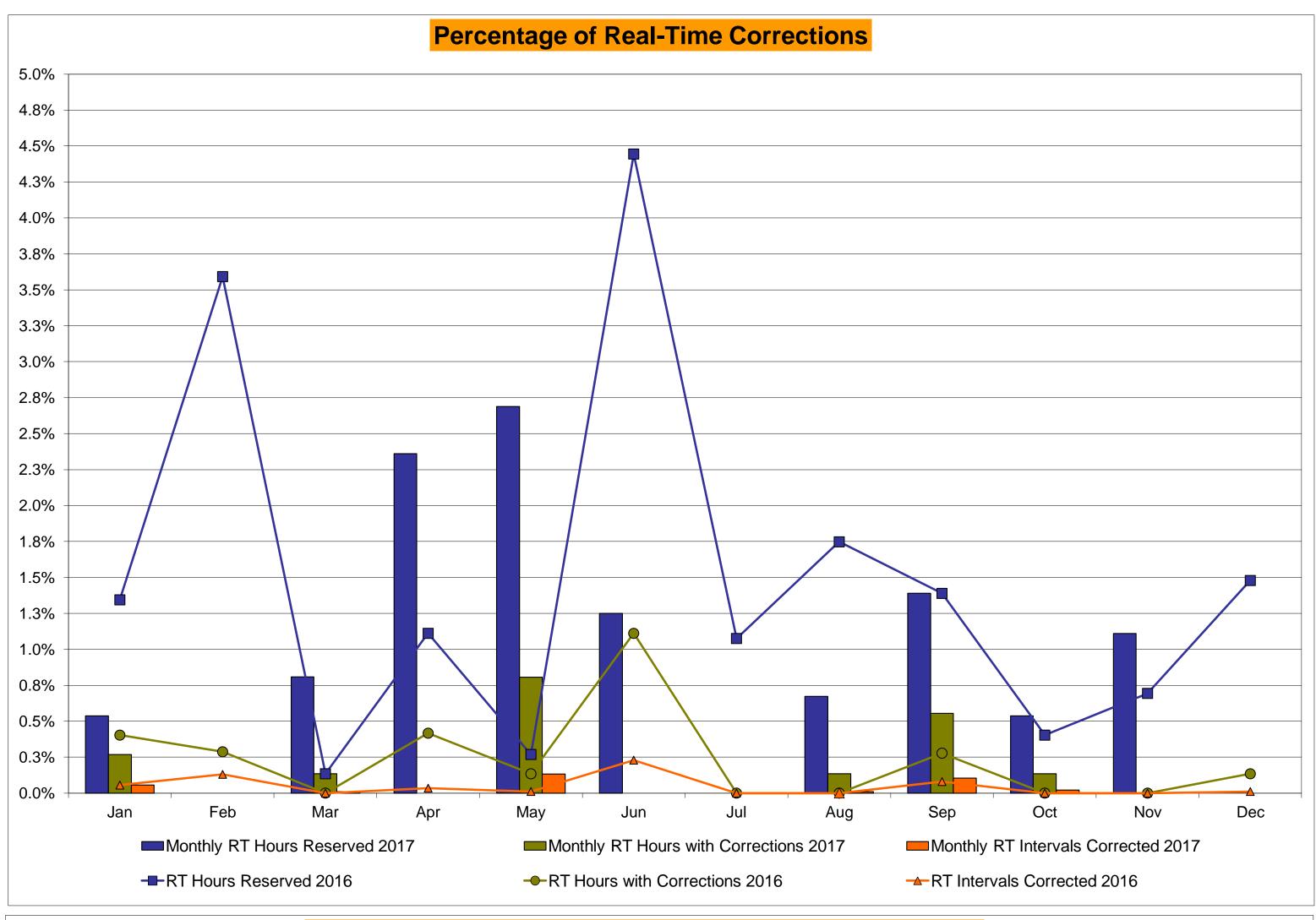


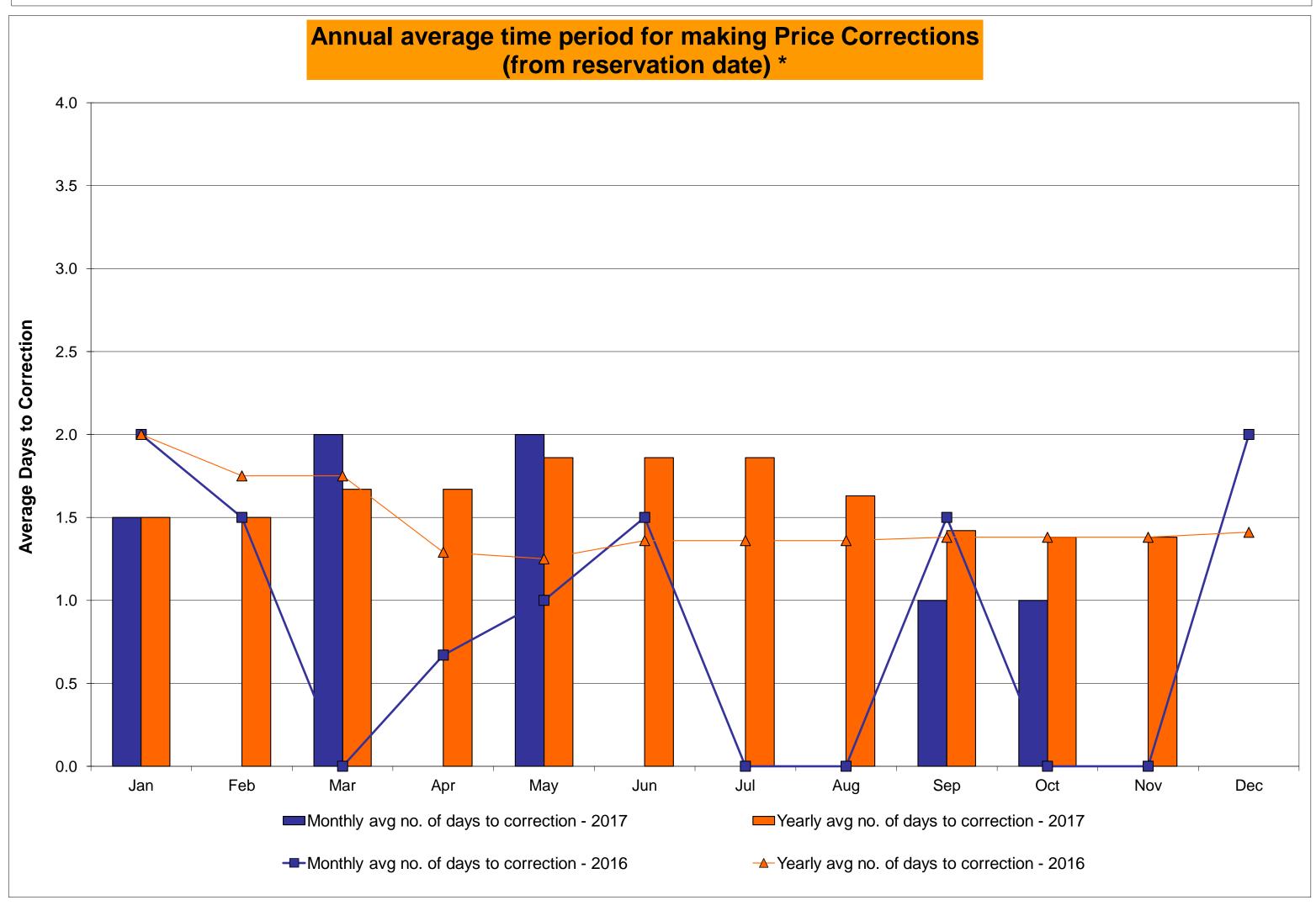


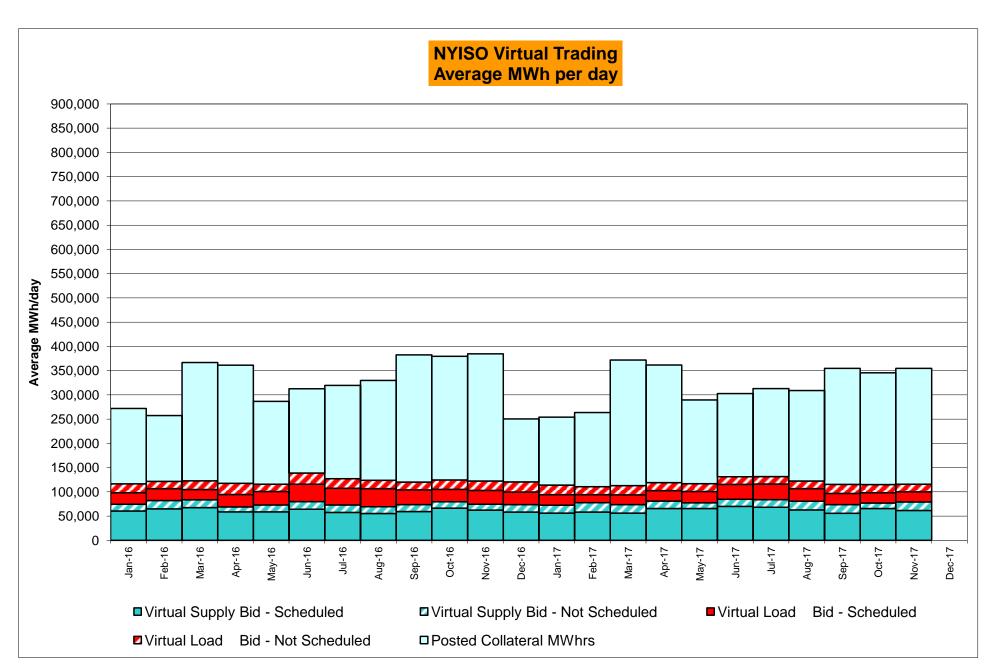
#### **NYISO Real Time Price Correction Statistics**

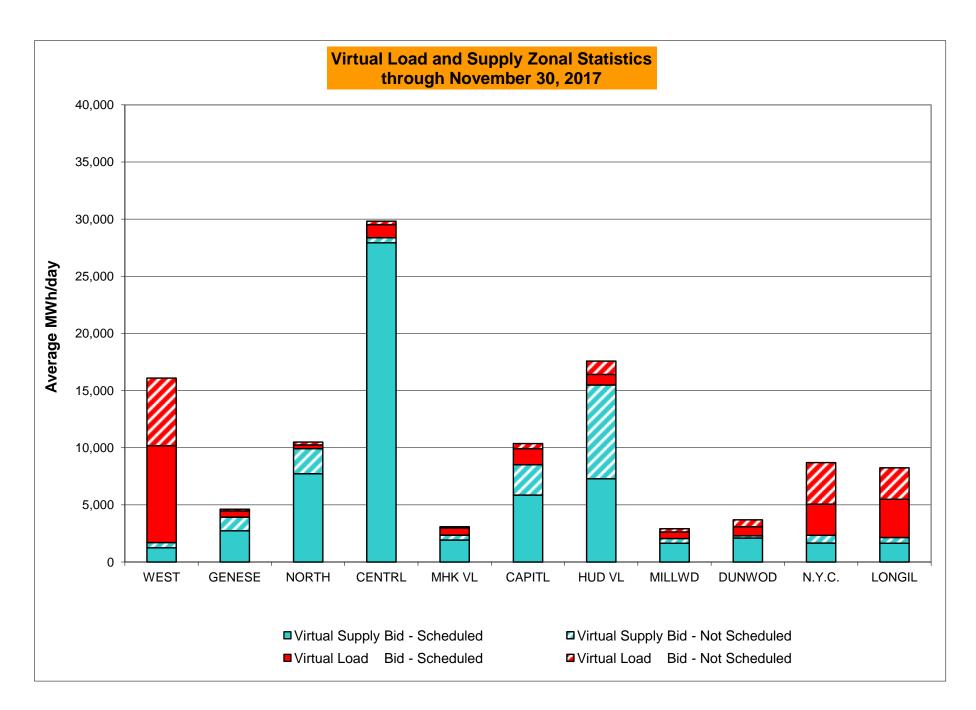
| 2017 Hour Corrections  |   | <u>January</u>  | <u>February</u>  | <u>March</u>   | <u>April</u>   | <u>May</u>   | <u>June</u>  | <u>July</u>  | <u>August</u>   | <u>September</u>  | <u>October</u>   | November   | <u>December</u>   |
|--|---|---|--|--|--|--|--|--|---|---|--|--|---|
| Number of hours with corrections   | in the month  | 2   | 0  | 1  | 0  | 6  | 0  | 0  | 1   | 4   | 1  | 0  |   |
| Number of hours  | in the month  | -<br>744  | 672  | 743  | 720  | 744  | 720  | 744  | 744   | 720   | 744  | 721  |   |
| % 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%  |   |
| % of hours with 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%  |   |
| Interval Corrections   | your to date  | 0.2770  | 0.1170   | 0.1170   | 0.1070   | 0.2070   | 0.2170   | 0.1070   | 0.1170  | 0.2170  | 0.2170   | 0.1070   |   |
| Number of intervals corrected  | in the month  | 5   | 0  | 1  | 0  | 12   | 0  | 0  | 1   | 9   | 2  | 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  |   |
| % 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%  |   |
| % 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%  |   |
| Hours Reserved   | year-to-date  | 0.0076  | 0.0376   | 0.02 /6  | 0.02 /6  | 0.04 /6  | 0.0376   | 0.0376   | 0.0376  | 0.04 /6   | 0.0376   | 0.0376   |   |
| Number of hours reserved   | in the month  | 4   | 0  | 6  | 17   | 20   | 9  | 0  | 5   | 10  | 4  | 8  |   |
| Number of hours  | in the month  | 744   | 672  | 743  | 720  | 744  | 720  | 744  | 744   | 720   | 744  | 721  |   |
| % 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%  |   |
|  |   |   |  |  |  |  |  |  |   |   |  |  |   |
| % of hours reserved  Days to Correction *  | 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%  |   |
|  | in the constants  | 4.50  | 0.00   | 0.00   | 0.00   | 2.00   | 0.00   | 0.00   | 0.00  | 4.00  | 4.00   | 0.00   |   |
| 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   |   |
| Avg. number of days to correction  Days Without Corrections  | 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   |   |
|  | in the constants  | 20  | 00   | 20   | 20   | 07   | 20   | 24   | 20  | 00  | 20   | 20   |   |
| Days without corrections   | in the month  | 29  | 28   | 30   | 30<br>117  | 27   | 30   | 31   | 30  | 26  | 30   | 30   |   |
| Days without corrections   | year-to-date  | 29  | 57   | 87   | 117  | 144  | 174  | 205  | 235   | 261   | 291  | 321  |   |
|  |   |   |  |  |  |  |  |  |   |   |  |  |   |
| <u>2016</u>  |   | <u>January</u>  | <u>February</u>  | <u>March</u>   | <u>April</u>   | May  | <u>June</u>  | <u>July</u>  | August  | September   | <u>October</u>   | November   | December  |
| 2016<br>Hour Corrections   |   | <u>January</u>  | February   | <u>March</u>   | <u>April</u>   | <u>May</u>   | <u>June</u>  | <u>July</u>  | <u>August</u>   | September   | October  | November   | <u>December</u>   |
| Hour Corrections  Number of hours with corrections   | in the month  | <u>January</u><br>3   | 2  | 0  | 3  | <u>May</u><br>1  | 8  | <u>July</u><br>0   | August<br>0   | 2   | October<br>0   | 0  | <u>December</u>   |
| Hour Corrections  Number of hours with corrections  Number of hours  | in the month<br>in the month  | 3<br>744  | 2<br>696   | 0<br>743   | 3<br>720   | 1<br>744   | 8<br>720   | 0<br>744   | 0<br>744  | 2<br>720  | 0<br>744   | 0<br>721   | 1<br>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 % of hours with corrections % of hours with corrections   | in the month  | 3<br>744  | 2<br>696   | 0<br>743   | 3<br>720   | 1<br>744   | 8<br>720   | 0<br>744   | 0<br>744  | 2<br>720  | 0<br>744   | 0<br>721   | 1<br>744  |
| Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections  | in the month in the month year-to-date  | 3<br>744<br>0.40%<br>0.40%  | 2<br>696<br>0.29%<br>0.35%   | 0<br>743<br>0.00%<br>0.23%   | 3<br>720<br>0.42%<br>0.28%   | 1<br>744<br>0.13%  | 8<br>720<br>1.11%<br>0.39%   | 0<br>744<br>0.00%<br>0.33%   | 0<br>744<br>0.00%<br>0.29%  | 2<br>720<br>0.28%<br>0.29%  | 0<br>744<br>0.00%<br>0.26%   | 0<br>721<br>0.00%<br>0.24%   | 1<br>744<br>0.13%   |
| Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected  | in the month in the month year-to-date in the month   | 3<br>744<br>0.40%<br>0.40%  | 2<br>696<br>0.29%<br>0.35%   | 0<br>743<br>0.00%<br>0.23%   | 3<br>720<br>0.42%<br>0.28%   | 1<br>744<br>0.13%<br>0.25%   | 8<br>720<br>1.11%<br>0.39%   | 0<br>744<br>0.00%<br>0.33%   | 0<br>744<br>0.00%<br>0.29%  | 2<br>720<br>0.28%<br>0.29%  | 0<br>744<br>0.00%<br>0.26%   | 0<br>721<br>0.00%<br>0.24%   | 1<br>744<br>0.13%<br>0.23%  |
| Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals  | in the month in the month year-to-date in the month in the month  | 3<br>744<br>0.40%<br>0.40%<br>5<br>9,000  | 2<br>696<br>0.29%<br>0.35%<br>11<br>8,440  | 0<br>743<br>0.00%<br>0.23%<br>0<br>8,995   | 3<br>720<br>0.42%<br>0.28%<br>3<br>8,724   | 1<br>744<br>0.13%<br>0.25%<br>1<br>8,987   | 8<br>720<br>1.11%<br>0.39%<br>20<br>8,725  | 0<br>744<br>0.00%<br>0.33%<br>0<br>9,038   | 0<br>744<br>0.00%<br>0.29%<br>0<br>9,048  | 2<br>720<br>0.28%<br>0.29%<br>7<br>8,713  | 0<br>744<br>0.00%<br>0.26%<br>0<br>8,960   | 0<br>721<br>0.00%<br>0.24%<br>0<br>8,724   | 1<br>744<br>0.13%<br><u>0.23%</u><br>1<br>9,034   |
| Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections Number of intervals corrected  | in the month in the month year-to-date in the month   | 3<br>744<br>0.40%<br>0.40%  | 2<br>696<br>0.29%<br>0.35%   | 0<br>743<br>0.00%<br>0.23%   | 3<br>720<br>0.42%<br>0.28%   | 1<br>744<br>0.13%<br>0.25%   | 8<br>720<br>1.11%<br>0.39%   | 0<br>744<br>0.00%<br>0.33%   | 0<br>744<br>0.00%<br>0.29%  | 2<br>720<br>0.28%<br>0.29%  | 0<br>744<br>0.00%<br>0.26%   | 0<br>721<br>0.00%<br>0.24%   | 1<br>744<br>0.13%<br>0.23%  |
| Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  | in the month in the month year-to-date in the month in the month  | 3<br>744<br>0.40%<br>0.40%<br>5<br>9,000  | 2<br>696<br>0.29%<br>0.35%<br>11<br>8,440  | 0<br>743<br>0.00%<br>0.23%<br>0<br>8,995   | 3<br>720<br>0.42%<br>0.28%<br>3<br>8,724   | 1<br>744<br>0.13%<br>0.25%<br>1<br>8,987   | 8<br>720<br>1.11%<br>0.39%<br>20<br>8,725  | 0<br>744<br>0.00%<br>0.33%<br>0<br>9,038   | 0<br>744<br>0.00%<br>0.29%<br>0<br>9,048  | 2<br>720<br>0.28%<br>0.29%<br>7<br>8,713  | 0<br>744<br>0.00%<br>0.26%<br>0<br>8,960   | 0<br>721<br>0.00%<br>0.24%<br>0<br>8,724   | 1<br>744<br>0.13%<br>0.23%<br>1<br>9,034  |
| Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected Hours Reserved  | in the month in the month year-to-date in the month in the month in the month year-to-date  | 3<br>744<br>0.40%<br>0.40%<br>5<br>9,000<br>0.06%<br>0.06%  | 2<br>696<br>0.29%<br>0.35%<br>11<br>8,440<br>0.13%<br>0.09%  | 0<br>743<br>0.00%<br>0.23%<br>0<br>8,995<br>0.00%  | 3<br>720<br>0.42%<br>0.28%<br>3<br>8,724<br>0.03%<br>0.05%   | 1<br>744<br>0.13%<br>0.25%<br>1<br>8,987<br>0.01%<br>0.05%   | 8<br>720<br>1.11%<br>0.39%<br>20<br>8,725<br>0.23%<br>0.08%  | 0<br>744<br>0.00%<br>0.33%<br>0<br>9,038<br>0.00%<br>0.06%   | 0<br>744<br>0.00%<br>0.29%<br>0<br>9,048<br>0.00%<br>0.06%  | 2<br>720<br>0.28%<br>0.29%<br>7<br>8,713<br>0.08%<br>0.06%  | 0<br>744<br>0.00%<br>0.26%<br>0<br>8,960<br>0.00%<br>0.05%   | 0<br>721<br>0.00%<br>0.24%<br>0<br>8,724<br>0.00%<br>0.05%   | 1<br>744<br>0.13%<br>0.23%<br>1<br>9,034<br>0.01%<br>0.05%  |
| 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  Wors Reserved Number 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   | 3<br>744<br>0.40%<br>0.40%<br>5<br>9,000<br>0.06%<br>0.06%  | 2<br>696<br>0.29%<br>0.35%<br>11<br>8,440<br>0.13%<br>0.09%  | 0<br>743<br>0.00%<br>0.23%<br>0<br>8,995<br>0.00%<br>0.06%   | 3<br>720<br>0.42%<br>0.28%<br>3<br>8,724<br>0.03%<br>0.05%   | 1<br>744<br>0.13%<br>0.25%<br>1<br>8,987<br>0.01%<br>0.05%   | 8<br>720<br>1.11%<br>0.39%<br>20<br>8,725<br>0.23%<br>0.08%  | 0<br>744<br>0.00%<br>0.33%<br>0<br>9,038<br>0.00%<br>0.06%   | 0<br>744<br>0.00%<br>0.29%<br>0<br>9,048<br>0.00%<br>0.06%  | 2<br>720<br>0.28%<br>0.29%<br>7<br>8,713<br>0.08%<br>0.06%  | 0<br>744<br>0.00%<br>0.26%<br>0<br>8,960<br>0.00%<br>0.05%   | 0<br>721<br>0.00%<br>0.24%<br>0<br>8,724<br>0.00%<br>0.05%   | 1<br>744<br>0.13%<br>0.23%<br>1<br>9,034<br>0.01%<br>0.05%  |
| Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Hours Reserved Number of hours reserved Number of hours   | in the month in the month year-to-date  in the month in the month in the month year-to-date  in the month year-to-date  | 3<br>744<br>0.40%<br>0.40%<br>5<br>9,000<br>0.06%<br>0.06%  | 2<br>696<br>0.29%<br>0.35%<br>11<br>8,440<br>0.13%<br>0.09%  | 0<br>743<br>0.00%<br>0.23%<br>0<br>8,995<br>0.00%<br>0.06%   | 3<br>720<br>0.42%<br>0.28%<br>3<br>8,724<br>0.03%<br>0.05%   | 1<br>744<br>0.13%<br>0.25%<br>1<br>8,987<br>0.01%<br>0.05%   | 8<br>720<br>1.11%<br>0.39%<br>20<br>8,725<br>0.23%<br>0.08%  | 0<br>744<br>0.00%<br>0.33%<br>0<br>9,038<br>0.00%<br>0.06%   | 0<br>744<br>0.00%<br>0.29%<br>0<br>9,048<br>0.00%<br>0.06%<br>13<br>744                                   | 2<br>720<br>0.28%<br>0.29%<br>7<br>8,713<br>0.08%<br>0.06%  | 0<br>744<br>0.00%<br>0.26%<br>0<br>8,960<br>0.00%<br>0.05%   | 0<br>721<br>0.00%<br>0.24%<br>0<br>8,724<br>0.00%<br>0.05%   | 1<br>744<br>0.13%<br>0.23%<br>1<br>9,034<br>0.01%<br>0.05%  |
| 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  Wors Reserved Number 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   | 3<br>744<br>0.40%<br>0.40%<br>5<br>9,000<br>0.06%<br>0.06%  | 2<br>696<br>0.29%<br>0.35%<br>11<br>8,440<br>0.13%<br>0.09%  | 0<br>743<br>0.00%<br>0.23%<br>0<br>8,995<br>0.00%<br>0.06%   | 3<br>720<br>0.42%<br>0.28%<br>3<br>8,724<br>0.03%<br>0.05%   | 1<br>744<br>0.13%<br>0.25%<br>1<br>8,987<br>0.01%<br>0.05%   | 8<br>720<br>1.11%<br>0.39%<br>20<br>8,725<br>0.23%<br>0.08%  | 0<br>744<br>0.00%<br>0.33%<br>0<br>9,038<br>0.00%<br>0.06%   | 0<br>744<br>0.00%<br>0.29%<br>0<br>9,048<br>0.00%<br>0.06%  | 2<br>720<br>0.28%<br>0.29%<br>7<br>8,713<br>0.08%<br>0.06%  | 0<br>744<br>0.00%<br>0.26%<br>0<br>8,960<br>0.00%<br>0.05%   | 0<br>721<br>0.00%<br>0.24%<br>0<br>8,724<br>0.00%<br>0.05%   | 1<br>744<br>0.13%<br>0.23%<br>1<br>9,034<br>0.01%<br>0.05%  |
| Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Hours Reserved Number of hours reserved Number of hours % of hours reserved % 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 year-to-date  | 3<br>744<br>0.40%<br>0.40%<br>5<br>9,000<br>0.06%<br>0.06%  | 2<br>696<br>0.29%<br>0.35%<br>11<br>8,440<br>0.13%<br>0.09%  | 0<br>743<br>0.00%<br>0.23%<br>0<br>8,995<br>0.00%<br>0.06%   | 3<br>720<br>0.42%<br>0.28%<br>3<br>8,724<br>0.03%<br>0.05%   | 1<br>744<br>0.13%<br>0.25%<br>1<br>8,987<br>0.01%<br>0.05%   | 8<br>720<br>1.11%<br>0.39%<br>20<br>8,725<br>0.23%<br>0.08%  | 0<br>744<br>0.00%<br>0.33%<br>0<br>9,038<br>0.00%<br>0.06%   | 0<br>744<br>0.00%<br>0.29%<br>0<br>9,048<br>0.00%<br>0.06%<br>13<br>744                                   | 2<br>720<br>0.28%<br>0.29%<br>7<br>8,713<br>0.08%<br>0.06%  | 0<br>744<br>0.00%<br>0.26%<br>0<br>8,960<br>0.00%<br>0.05%   | 0<br>721<br>0.00%<br>0.24%<br>0<br>8,724<br>0.00%<br>0.05%   | 1<br>744<br>0.13%<br>0.23%<br>1<br>9,034<br>0.01%<br>0.05%  |
| Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved  Days to Correction *   | in the month in the month year-to-date  in the month in the month in the month year-to-date  in the month year-to-date               | 3<br>744<br>0.40%<br>0.40%<br>5<br>9,000<br>0.06%<br>0.06%<br>10<br>744<br>1.34%<br>1.34%                 | 2<br>696<br>0.29%<br>0.35%<br>11<br>8,440<br>0.13%<br>0.09%<br>25<br>696<br>3.59%<br>2.43%                 | 0<br>743<br>0.00%<br>0.23%<br>0<br>8,995<br>0.00%<br>0.06%<br>1<br>743<br>0.13%<br>1.65%                 | 3<br>720<br>0.42%<br>0.28%<br>3<br>8,724<br>0.03%<br>0.05%<br>8<br>720<br>1.11%<br>1.52%                 | 1<br>744<br>0.13%<br>0.25%<br>1<br>8,987<br>0.01%<br>0.05%<br>2<br>744<br>0.27%<br>1.26%                 | 8<br>720<br>1.11%<br>0.39%<br>20<br>8,725<br>0.23%<br>0.08%<br>32<br>720<br>4.44%<br>1.79%                 | 0<br>744<br>0.00%<br>0.33%<br>0<br>9,038<br>0.00%<br>0.06%<br>8<br>744<br>1.08%<br>1.68%                 | 0<br>744<br>0.00%<br>0.29%<br>0<br>9,048<br>0.00%<br>0.06%<br>13<br>744<br>1.75%<br>1.69%                 | 2<br>720<br>0.28%<br>0.29%<br>7<br>8,713<br>0.08%<br>0.06%<br>10<br>720<br>1.39%<br>1.66%                 | 0<br>744<br>0.00%<br>0.26%<br>0<br>8,960<br>0.00%<br>0.05%<br>3<br>744<br>0.40%<br>1.53%                 | 0<br>721<br>0.00%<br>0.24%<br>0<br>8,724<br>0.00%<br>0.05%<br>5<br>721<br>0.69%<br>1.46%                 | 1<br>744<br>0.13%<br>0.23%<br>1<br>9,034<br>0.01%<br>0.05%<br>11<br>744<br>1.48%<br>1.46%                 |
| 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  Wof intervals corrected  Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved  More to Correction % of hours reserved  Avg. number of days to correction   | in the month in the month year-to-date  in the month in the month in the month year-to-date  in the month year-to-date  in the month | 3<br>744<br>0.40%<br>0.40%<br>5<br>9,000<br>0.06%<br>0.06%<br>10<br>744<br>1.34%<br>1.34%                 | 2<br>696<br>0.29%<br>0.35%<br>11<br>8,440<br>0.13%<br>0.09%<br>25<br>696<br>3.59%<br>2.43%                 | 0<br>743<br>0.00%<br>0.23%<br>0<br>8,995<br>0.00%<br>0.06%<br>1<br>743<br>0.13%<br>1.65%                 | 3<br>720<br>0.42%<br>0.28%<br>3<br>8,724<br>0.03%<br>0.05%<br>8<br>720<br>1.11%<br>1.52%                 | 1<br>744<br>0.13%<br>0.25%<br>1<br>8,987<br>0.01%<br>0.05%<br>2<br>744<br>0.27%<br>1.26%                 | 8<br>720<br>1.11%<br>0.39%<br>20<br>8,725<br>0.23%<br>0.08%<br>32<br>720<br>4.44%<br>1.79%                 | 0<br>744<br>0.00%<br>0.33%<br>0<br>9,038<br>0.00%<br>0.06%<br>8<br>744<br>1.08%<br>1.68%                 | 0<br>744<br>0.00%<br>0.29%<br>0<br>9,048<br>0.00%<br>0.06%<br>13<br>744<br>1.75%<br>1.69%                 | 2<br>720<br>0.28%<br>0.29%<br>7<br>8,713<br>0.08%<br>0.06%<br>10<br>720<br>1.39%<br>1.66%                 | 0<br>744<br>0.00%<br>0.26%<br>0<br>8,960<br>0.00%<br>0.05%<br>3<br>744<br>0.40%<br>1.53%                 | 0<br>721<br>0.00%<br>0.24%<br>0<br>8,724<br>0.00%<br>0.05%<br>5<br>721<br>0.69%<br>1.46%                 | 1<br>744<br>0.13%<br>0.23%<br>1<br>9,034<br>0.01%<br>0.05%<br>11<br>744<br>1.48%<br>1.46%                 |
| Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved  Number of days to correction Avg. number of days to correction   | in the month in the month year-to-date  in the month in the month in the month year-to-date  in the month year-to-date               | 3<br>744<br>0.40%<br>0.40%<br>5<br>9,000<br>0.06%<br>0.06%<br>10<br>744<br>1.34%<br>1.34%                 | 2<br>696<br>0.29%<br>0.35%<br>11<br>8,440<br>0.13%<br>0.09%<br>25<br>696<br>3.59%<br>2.43%                 | 0<br>743<br>0.00%<br>0.23%<br>0<br>8,995<br>0.00%<br>0.06%<br>1<br>743<br>0.13%<br>1.65%                 | 3<br>720<br>0.42%<br>0.28%<br>3<br>8,724<br>0.03%<br>0.05%<br>8<br>720<br>1.11%<br>1.52%                 | 1<br>744<br>0.13%<br>0.25%<br>1<br>8,987<br>0.01%<br>0.05%<br>2<br>744<br>0.27%<br>1.26%                 | 8<br>720<br>1.11%<br>0.39%<br>20<br>8,725<br>0.23%<br>0.08%<br>32<br>720<br>4.44%<br>1.79%                 | 0<br>744<br>0.00%<br>0.33%<br>0<br>9,038<br>0.00%<br>0.06%<br>8<br>744<br>1.08%<br>1.68%                 | 0<br>744<br>0.00%<br>0.29%<br>0<br>9,048<br>0.00%<br>0.06%<br>13<br>744<br>1.75%<br>1.69%                 | 2<br>720<br>0.28%<br>0.29%<br>7<br>8,713<br>0.08%<br>0.06%<br>10<br>720<br>1.39%<br>1.66%                 | 0<br>744<br>0.00%<br>0.26%<br>0<br>8,960<br>0.00%<br>0.05%<br>3<br>744<br>0.40%<br>1.53%                 | 0<br>721<br>0.00%<br>0.24%<br>0<br>8,724<br>0.00%<br>0.05%<br>5<br>721<br>0.69%<br>1.46%                 | 1<br>744<br>0.13%<br>0.23%<br>1<br>9,034<br>0.01%<br>0.05%<br>11<br>744<br>1.48%<br>1.46%                 |
| Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Mumber of intervals Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Mumber of hours reserved Number of hours reserved Number of hours % of hours reserved Days to Correction Avg. number of days to correction Avg. number of days to correction Days 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 year-to-date  in the month year-to-date | 3<br>744<br>0.40%<br>0.40%<br>5<br>9,000<br>0.06%<br>0.06%<br>10<br>744<br>1.34%<br>1.34%<br>2.00<br>2.00 | 2<br>696<br>0.29%<br>0.35%<br>11<br>8,440<br>0.13%<br>0.09%<br>25<br>696<br>3.59%<br>2.43%<br>1.50<br>1.75 | 0<br>743<br>0.00%<br>0.23%<br>0<br>8,995<br>0.00%<br>0.06%<br>1<br>743<br>0.13%<br>1.65%<br>0.00<br>1.75 | 3<br>720<br>0.42%<br>0.28%<br>3<br>8,724<br>0.03%<br>0.05%<br>8<br>720<br>1.11%<br>1.52%<br>0.67<br>1.29 | 1<br>744<br>0.13%<br>0.25%<br>1<br>8,987<br>0.01%<br>0.05%<br>2<br>744<br>0.27%<br>1.26%<br>1.00<br>1.25 | 8<br>720<br>1.11%<br>0.39%<br>20<br>8,725<br>0.23%<br>0.08%<br>32<br>720<br>4.44%<br>1.79%<br>1.50<br>1.36 | 0<br>744<br>0.00%<br>0.33%<br>0<br>9,038<br>0.00%<br>0.06%<br>8<br>744<br>1.08%<br>1.68%<br>0.00<br>1.36 | 0<br>744<br>0.00%<br>0.29%<br>0<br>9,048<br>0.00%<br>0.06%<br>13<br>744<br>1.75%<br>1.69%<br>0.00<br>1.36 | 2<br>720<br>0.28%<br>0.29%<br>7<br>8,713<br>0.08%<br>0.06%<br>10<br>720<br>1.39%<br>1.66%<br>1.50<br>1.38 | 0<br>744<br>0.00%<br>0.26%<br>0<br>8,960<br>0.00%<br>0.05%<br>3<br>744<br>0.40%<br>1.53%<br>0.00<br>1.38 | 0<br>721<br>0.00%<br>0.24%<br>0<br>8,724<br>0.00%<br>0.05%<br>5<br>721<br>0.69%<br>1.46%<br>0.00<br>1.38 | 1<br>744<br>0.13%<br>0.23%<br>1<br>9,034<br>0.01%<br>0.05%<br>11<br>744<br>1.48%<br>1.46%<br>2.00<br>1.41 |
| Hour Corrections  Number of hours with corrections Number of hours % of hours with corrections % of hours with corrections  Interval Corrections  Number of intervals corrected Number of intervals % of intervals corrected % of intervals corrected  Hours Reserved Number of hours reserved Number of hours % of hours reserved % of hours reserved  Number of days to correction Avg. number of days to correction   | in the month in the month year-to-date  in the month in the month in the month year-to-date  in the month year-to-date  in the month | 3<br>744<br>0.40%<br>0.40%<br>5<br>9,000<br>0.06%<br>0.06%<br>10<br>744<br>1.34%<br>1.34%                 | 2<br>696<br>0.29%<br>0.35%<br>11<br>8,440<br>0.13%<br>0.09%<br>25<br>696<br>3.59%<br>2.43%                 | 0<br>743<br>0.00%<br>0.23%<br>0<br>8,995<br>0.00%<br>0.06%<br>1<br>743<br>0.13%<br>1.65%                 | 3<br>720<br>0.42%<br>0.28%<br>3<br>8,724<br>0.03%<br>0.05%<br>8<br>720<br>1.11%<br>1.52%                 | 1<br>744<br>0.13%<br>0.25%<br>1<br>8,987<br>0.01%<br>0.05%<br>2<br>744<br>0.27%<br>1.26%                 | 8<br>720<br>1.11%<br>0.39%<br>20<br>8,725<br>0.23%<br>0.08%<br>32<br>720<br>4.44%<br>1.79%                 | 0<br>744<br>0.00%<br>0.33%<br>0<br>9,038<br>0.00%<br>0.06%<br>8<br>744<br>1.08%<br>1.68%                 | 0<br>744<br>0.00%<br>0.29%<br>0<br>9,048<br>0.00%<br>0.06%<br>13<br>744<br>1.75%<br>1.69%                 | 2<br>720<br>0.28%<br>0.29%<br>7<br>8,713<br>0.08%<br>0.06%<br>10<br>720<br>1.39%<br>1.66%                 | 0<br>744<br>0.00%<br>0.26%<br>0<br>8,960<br>0.00%<br>0.05%<br>3<br>744<br>0.40%<br>1.53%                 | 0<br>721<br>0.00%<br>0.24%<br>0<br>8,724<br>0.00%<br>0.05%<br>5<br>721<br>0.69%<br>1.46%                 | 1<br>744<br>0.13%<br>0.23%<br>1<br>9,034<br>0.01%<br>0.05%<br>11<br>744<br>1.48%<br>1.46%                 |

<sup>\*</sup> Calendar days from reservation date.









#### Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2017 Virtual Load Bid Virtual Load Bid **Virtual Supply Bid** Virtual Load Bid **Virtual Supply Bid Virtual Supply Bid** Not Not Not Not Not Not Scheduled Date Scheduled Zone Scheduled Zone Date Zone Date MHK VL DUNWOD **WEST** Jan-17 6,094 5,795 2,019 337 Jan-17 566 202 2,022 131 Jan-17 304 832 5,708 389 Feb-17 3,771 4,772 3,346 567 Feb-17 422 100 2,459 293 Feb-17 193 585 5,966 424 Mar-17 6,522 4,960 2.386 616 Mar-17 407 186 3.594 378 Mar-17 436 763 4.871 439 2,856 430 1,097 406 232 Apr-17 6,956 5,390 1,934 699 Apr-17 457 102 Apr-17 3,517 May-17 May-17 276 8,468 5,775 1,261 546 532 105 2,786 401 1,215 155 1,863 May-17 10,776 5,128 1,497 512 516 149 2,492 586 Jun-17 1,117 287 3,281 383 Jun-17 Jun-17 Jul-17 10.883 6,588 2.341 538 Jul-17 625 174 3,324 468 Jul-17 2,287 281 2.848 246 9,289 160 Aug-17 6,104 3,043 595 Aug-17 667 98 2,915 694 Aug-17 875 500 2,611 8,186 1,056 334 700 125 892 Sep-17 987 526 469 Sep-17 6,774 Sep-17 2,432 2,397 Oct-17 6,899 4,604 1,404 341 Oct-17 544 146 2,429 316 Oct-17 2,900 990 2,337 193 447 2.097 Nov-17 8,471 5,925 1,255 Nov-17 636 99 1,920 437 Nov-17 804 602 191 Dec-17 Dec-17 Dec-17 GENESE 1,282 2,482 CAPITL N.Y.C. 5,474 Jan-17 654 3,652 Jan-17 1,291 666 3,990 3,861 Jan-17 5,761 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 1.219 480 Mar-17 528 Mar-17 Mar-17 838 3,806 3,419 1,409 5,186 2,484 4,052 5,826 1,561 1,058 Apr-17 353 4,074 2,880 549 656 Apr-17 1,160 5,589 1,973 Apr-17 4,374 4,331 1,161 529 May-17 393 128 4,096 2,027 May-17 1,232 454 5,697 1,635 May-17 3,357 4,679 1,434 569 Jun-17 516 169 2,920 2,119 Jun-17 779 372 6,479 1,916 Jun-17 8,293 4,163 1.050 608 5,972 Jul-17 335 190 3,494 1,622 Jul-17 450 290 2,754 Jul-17 8,732 2,726 1,728 902 818 430 505 119 3,186 1,912 399 6,112 2,682 Aug-17 5,911 2,890 1,284 Aug-17 Aug-17 Sep-17 541 230 2,105 1,132 Sep-17 1,093 240 4,943 2,426 Sep-17 3,224 3,937 1,972 1,027 262 Oct-17 143 3.393 1,130 Oct-17 1.132 280 5.055 1.578 Oct-17 2,251 3,626 6.178 1.547 1,193 Nov-17 Nov-17 Nov-17 542 142 2,741 1,422 433 5,858 2,645 2,734 3,637 1,659 672 Dec-17 Dec-17 Dec-17

817

915

871

823

726

1,617

1,874

1,116

1,172

91

74

157

328

255

1,057

1,316

643

561

377

283

1,048

1,006

911

659

1,292

1,575

1,202

1,140

1,059

1,623

1,721

926

435

202

454

595

662

663

809

514

574

608

573

836

5.317

6,266

5,427

5,708

6,608

6,861

6,184

7,576

5,422

6,240

7,281

1,422

1,555

1,452

1.228

1,474

2,019

1,865

1,923

1,815

1,956

1,653

3.064

3,873

2,652

2,333

2,378

3,317

4,114

5,051

4,625

1,414

8,210

128

164

158

149

195

340

361

272

701

212

401

LONGIL

**NYISO** 

Jan-17

Feb-17

Mar-17

Apr-17

May-17

Jun-17

Jul-17

Aug-17

Sep-17

Oct-17

Nov-17

Dec-17

Jan-17

Feb-17

Mar-17

Apr-17

May-17

Jun-17

Jul-17

Aug-17

Sep-17

Oct-17

Nov-17

Dec-17

3,788

3,127

3,779

3,309

2,893

2,532

2,137

2,711

3,980

4,887

2,757

19,719

16,406

19,002

16.586

16,222

15,820

15,396

15,550

18,933

16,857

15,591

1,354

1,653

1,958

1,748

1,740

1,402

1,320

1,379

1,355

1,676

1,643

56,001

58,312

56,078

65.484

65,531

70,160

68,136

62,874

55,865

65,743

61,766

1.367

1,667

1,463

1,232

1,398

1,535

1.012

645

348

507

16,436

19,537

17,759

15.41

11,774

14,480

15,732

17,809

17,846

11,133

17,332

998

3,559

3,341

4,133

3,706

4,232

4,848

4,846

4,257

4,083

3,842

3,338

21,713

16,405

19,956

21,767

23,320

30,736

32,377

26,086

22,912

21,430

20,922

3,473

4,006

4,576

4,435

2,436

2,920

2,889

4.744

5,216

3,864

2,190

196

320

518

519

312

380

303

258

381

188

440

HUD VL

MILLWD

Jan-17

Feb-17

Mar-17

Apr-17

May-17

Jun-17

Jul-17

Aug-17

Sep-17

Oct-17

Nov-17

Dec-17

Jan-17

Feb-17

Mar-17

Apr-17

May-17

Jun-17

Jul-17

Aug-17

Sep-17

Oct-17

Nov-17

Dec-17

Market Mitigation and Analysis Prepared: 12/8/2017 10:31 AM

655

465

426

414

555

552

586

625

626

533

326

1,482

707

979

1.079

1,472

1,839

1,687

1,566

1,275

1,151

738

316

338

311

138

280

468

533

294

396

456

252

455

177

605

505

492

672

435

174

291

233

290

6,415

7,504

7,227

7,520

7,848

6,955

6,883

7,799

6,315

7,470

7,726

22,561

20,639

18,610

30.148

30,724

35,205

32,177

25,045

26,053

27,605

27,934

NORTH

CENTRL

Jan-17

Feb-17

Mar-17

Apr-17

May-17

Jun-17

Jul-17

Aug-17

Sep-17

Oct-17

Nov-17

Dec-17

Jan-17

Feb-17

Mar-17

Apr-17

May-17

Jun-17

Jul-17

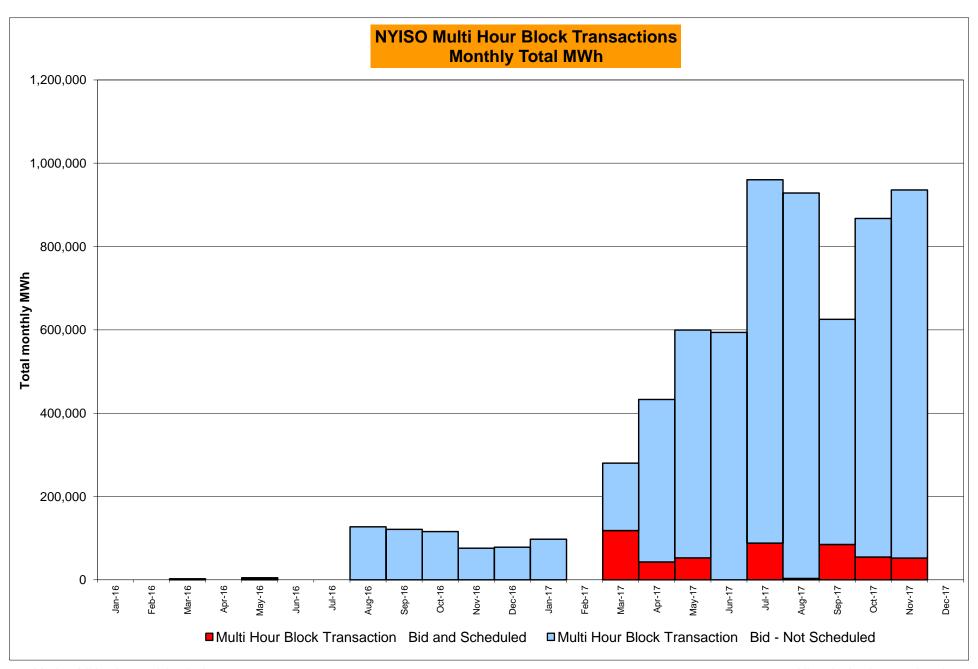
Aug-17

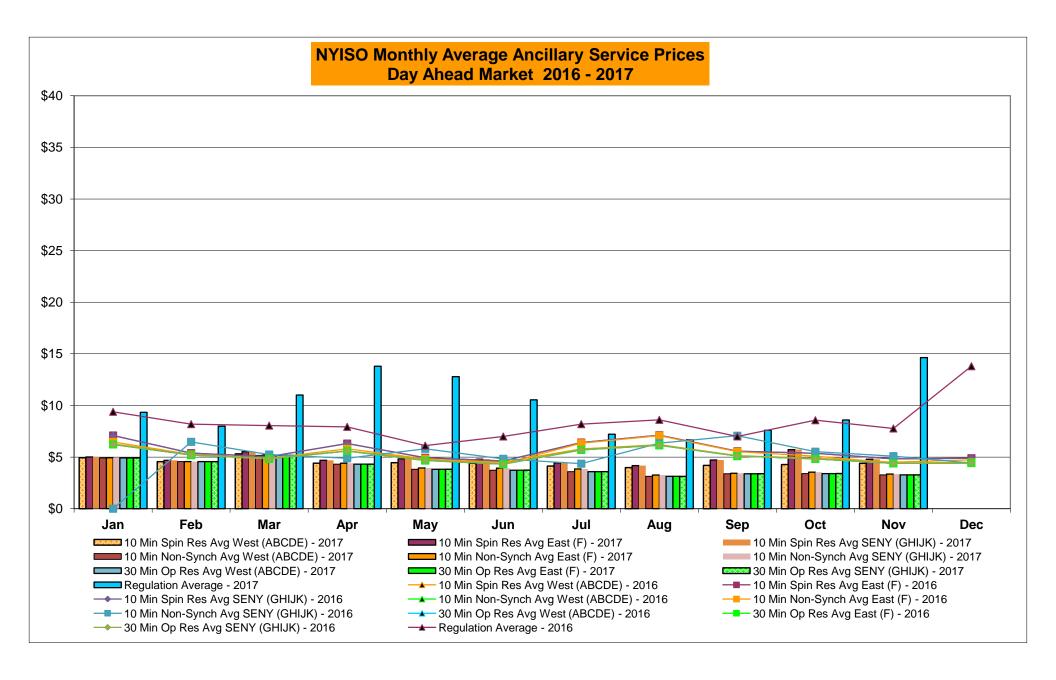
Sep-17

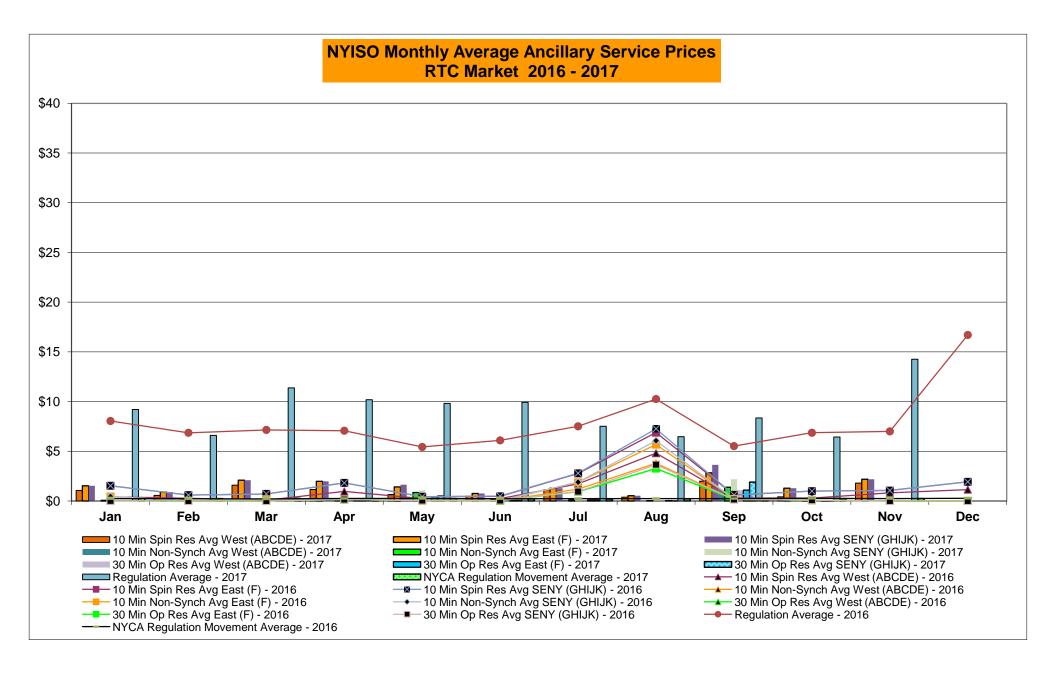
Oct-17

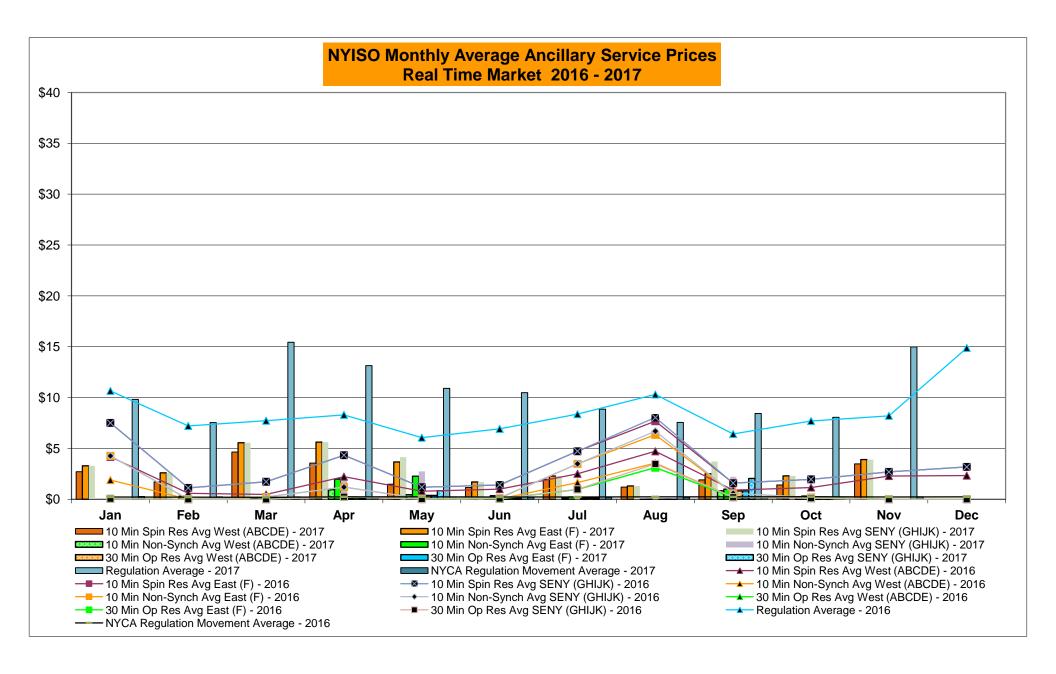
Nov-17

Dec-17



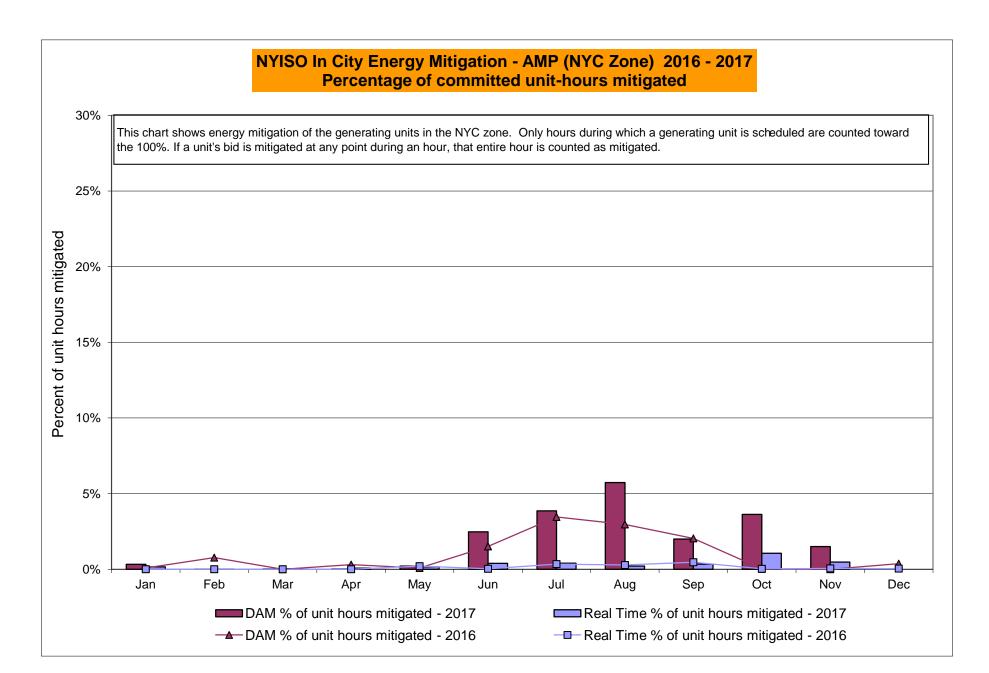


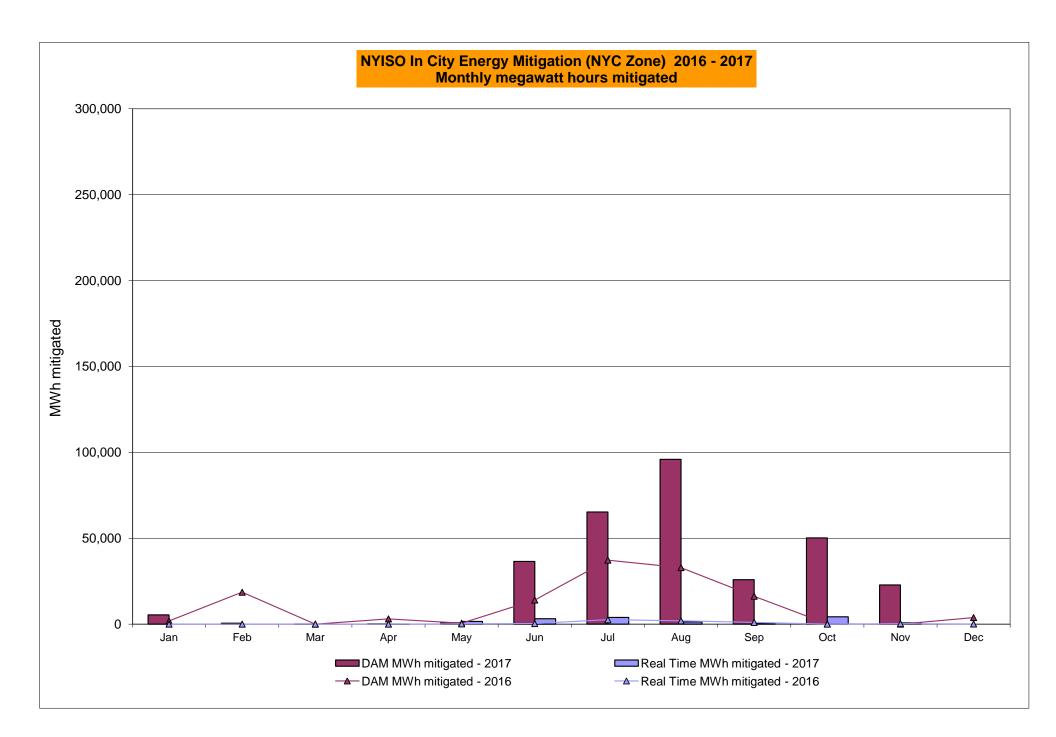


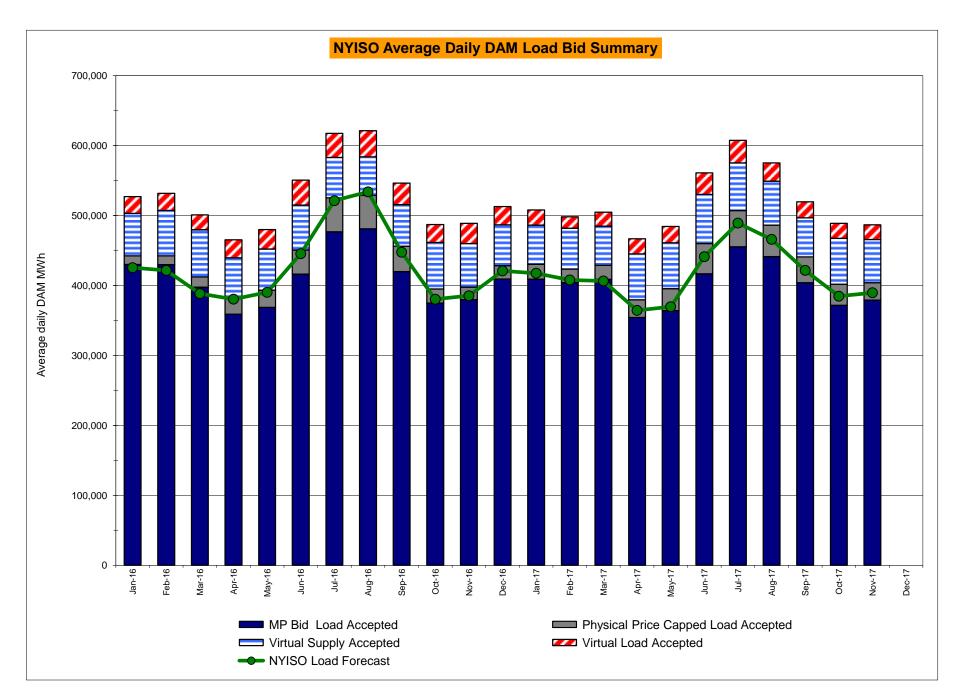


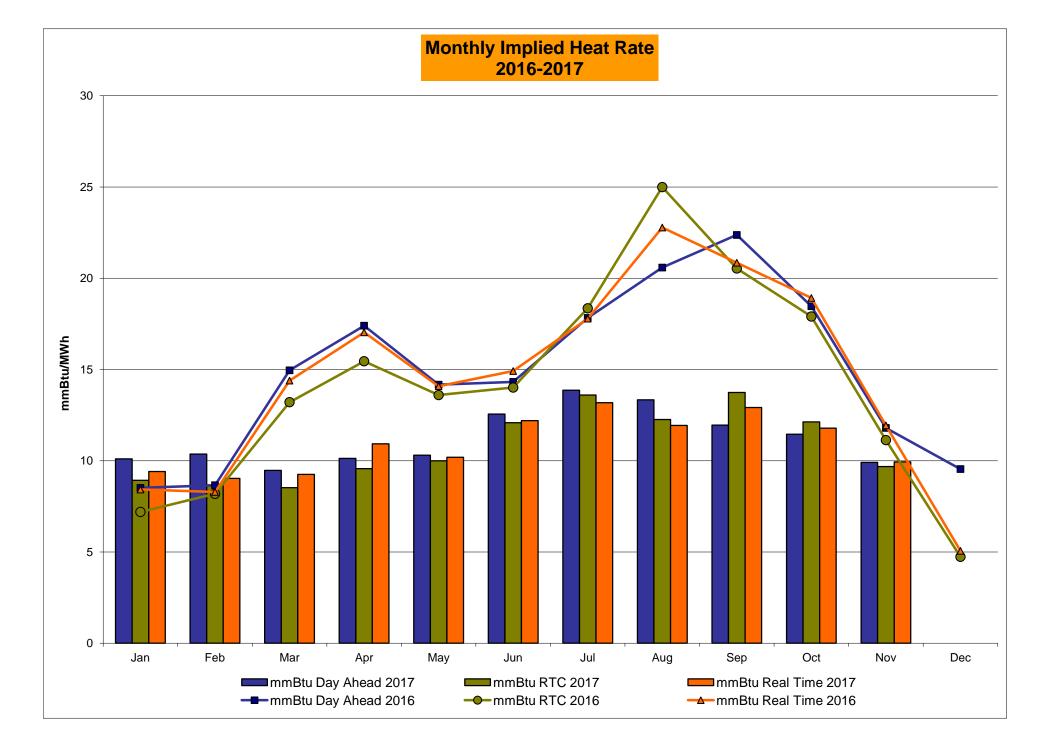
#### NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH)

|   | NYISO W  | iarkets A  | nciliary S  | ervices  | Statistic  | <u>s - Unwe</u>  | <u>igntea F</u>   | <u> </u>   | IVI VV 🗖 )   |  |   |   |
|---|--|--|---|--|--|--|---|--|--|--|---|---|
| <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>  | September  | October  | November  | December  |
| Day Ahead Market  | <u>variaary</u>  | <u>1 001 aa.y</u>  | 17101011  | <u> </u>   | <u>may</u>   | <u> </u>   | <u> </u>  | <u>/tagaot</u>   | <u>Coptombor</u>   | <u> </u>   | 11010111001   | <u> </u>  |
| 10 Min Spin SENY (GHIJK)  | 5.01   | 4.68   | 5.53  | 4.68   | 4.82   | 4.79   | 4.44  | 4.18   | 4.72   | 5.73   | 4.80  |   |
| 10 Min Spin East (F)  | 5.01   | 4.68   | 5.53  | 4.68   | 4.82   | 4.79   | 4.44  | 4.18   | 4.72   | 5.73   | 4.80  |   |
| 10 Min Spin West (ABCDE)  | 4.94   | 4.56   | 5.31  | 4.41   | 4.45   | 4.39   | 4.13  | 3.98   | 4.19   | 4.27   | 4.39  |   |
| 10 Min Non Synch SENY (GHIJK)   | 4.94   | 4.57   | 5.20  | 4.41   | 3.95   | 3.92   | 3.85  | 3.26   | 3.43   | 3.54   | 3.35  |   |
| 10 Min Non Synch East (F)   | 4.94   | 4.57   | 5.20  | 4.41   | 3.95   | 3.92   | 3.85  | 3.26   | 3.43   | 3.54   | 3.35  |   |
| 10 Min Non Synch West (ABCDE)   | 4.92   | 4.56   | 5.17  | 4.31   | 3.82   | 3.73   | 3.59  | 3.13   | 3.39   | 3.40   | 3.27  |   |
| 30 Min SENY (GHIJK)   | 4.92   | 4.56   | 5.17  | 4.31   | 3.82   | 3.73   | 3.59  | 3.13   | 3.39   | 3.40   | 3.27  |   |
| 30 Min East (F)   | 4.92   | 4.56   | 5.17  | 4.31   | 3.82   | 3.73   | 3.59  | 3.13   | 3.39   | 3.40   | 3.27  |   |
| 30 Min West (ABCDE)   | 4.92   | 4.56   | 5.17  | 4.31   | 3.82   | 3.73   | 3.59  | 3.13   | 3.39   | 3.40   | 3.27  |   |
| Regulation  | 9.34   | 7.99   | 11.01   | 13.80  | 12.79  | 10.55  | 7.22  | 6.67   | 7.60   | 8.59   | 14.64   |   |
| RTC Market  |  |  |   |  |  |  |   |  |  |  |   |   |
| 10 Min Spin SENY (GHIJK)  | 1.53   | 0.89   | 2.08  | 1.97   | 1.64   | 0.75   | 1.28  | 0.52   | 3.63   | 1.28   | 2.19  |   |
| 10 Min Spin East (F)  | 1.53   | 0.89   | 2.08  | 1.97   | 1.41   | 0.75   | 1.28  | 0.52   | 2.83   | 1.28   | 2.19  |   |
| 10 Min Spin West (ABCDE)  | 1.06   | 0.55   | 1.58  | 1.16   | 0.65   | 0.47   | 1.13  | 0.38   | 1.99   | 0.42   | 1.79  |   |
| 10 Min Non Synch SENY (GHIJK)   | 0.06   | 0.06   | 0.10  | 0.14   | 1.08   | 0.13   | 0.13  | 0.02   | 2.18   | 0.11   | 0.00  |   |
| 10 Min Non Synch East (F)   | 0.06   | 0.06   | 0.10  | 0.14   | 0.85   | 0.13   | 0.13  | 0.02   | 1.38   | 0.11   | 0.00  |   |
| 10 Min Non Synch West (ABCDE)   | 0.00   | 0.00   | 0.10  | 0.07   | 0.31   | 0.05   | 0.11  | 0.02   | 1.09   | 0.07   | 0.00  |   |
| 30 Min SENY (GHIJK)   | 0.00   | 0.00   | 0.10  | 0.03   | 0.50   | 0.05   | 0.11  | 0.02   | 1.89   | 0.05   | 0.00  |   |
| 30 Min East (F)   | 0.00   | 0.00   | 0.10  | 0.03   | 0.27   | 0.05   | 0.11  | 0.02   | 1.09   | 0.05   | 0.00  |   |
| 30 Min West (ABCDE)   | 0.00   | 0.00   | 0.10  | 0.03   | 0.27   | 0.05   | 0.11  | 0.02   | 1.09   | 0.05   | 0.00  |   |
| Regulation  | 9.21   | 6.59   | 11.37   | 10.18  | 9.82   | 9.92   | 7.51  | 6.47   | 8.35   | 6.44   | 14.26   |   |
| NYCA Regulation Movement  | 0.27   | 0.24   | 0.25  | 0.22   | 0.24   | 0.21   | 0.19  | 0.20   | 0.21   | 0.22   | 0.24  |   |
| Real Time Market  |  |  |   |  |  |  |   |  |  |  |   |   |
| 10 Min Spin SENY (GHIJK)  | 3.29   | 2.61   | 5.56  | 5.62   | 4.14   | 1.71   | 2.29  | 1.31   | 3.72   | 2.30   | 3.91  |   |
| 10 Min Spin East (F)  | 3.29   | 2.61   | 5.56  | 5.62   | 3.67   | 1.71   | 2.29  | 1.31   | 2.51   | 2.30   | 3.91  |   |
| 10 Min Spin West (ABCDE)  | 2.71   | 1.71   | 4.65  | 3.56   | 1.48   | 1.15   | 1.98  | 1.20   | 1.91   | 1.40   | 3.49  |   |
| 10 Min Non Synch SENY (GHIJK)   | 0.00   | 0.31   | 0.17  | 1.99   | 2.75   | 0.36   | 0.23  | 0.01   | 2.21   | 0.32   | 0.00  |   |
| 10 Min Non Synch East (F)   | 0.00   | 0.31   | 0.17  | 1.99   | 2.28   | 0.36   | 0.23  | 0.01   | 1.00   | 0.32   | 0.00  |   |
| 10 Min Non Synch West (ABCDE)   | 0.00   | 0.00   | 0.13  | 0.95   | 0.44   | 0.10   | 0.13  | 0.01   | 0.83   | 0.22   | 0.00  |   |
| 30 Min SENY (GHIJK)   | 0.00   | 0.00   | 0.12  | 0.06   | 0.85   | 0.10   | 0.13  | 0.01   | 2.05   | 0.09   | 0.00  |   |
| 30 Min East (F)   | 0.00   | 0.00   | 0.12  | 0.06   | 0.38   | 0.10   | 0.13  | 0.01   | 0.83   | 0.09   | 0.00  |   |
| 30 Min West (ABCDE)   | 0.00   | 0.00   | 0.12  | 0.06   | 0.38   | 0.10   | 0.13  | 0.01   | 0.83   | 0.09   | 0.00  |   |
| Regulation  | 9.83   | 7.54   | 15.44   | 13.15  | 10.91  | 10.48  | 8.87  | 7.56   | 8.44   | 8.06   | 14.99   |   |
| NIVOA Degulation Marramont  | 0.27   | 0.24   | 0.25  | 0.20   | 0.22   | 0.19   | 0.19  | 0.20   | 0.21   | 0.22   | 0.24  |   |
| NYCA Regulation Movement  | 0.27   | 0.24   | 0.25  | 0.20   | 0.22   | 0.13   | 0.19  | 0.20   | 0.21   | 0.22   | 0.24  |   |
| -   |  |  |   |  |  |  |   |  |  |  |   | Describes   |
| <u>2016</u>   | January  | February   | March   | April  | <u>May</u>   | <u>June</u>  | July  | August   | September September  | October  | November  | <u>December</u>   |
| 2016<br>Day Ahead Market  | <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>   | November  |   |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  | <u>January</u><br>7.09   | <u>February</u><br>5.38  | <u>March</u><br>5.04  | <u>April</u><br>6.31   | <u>May</u><br>4.93   | <u>June</u><br>4.62  | <u>July</u><br>6.41   | <u>August</u><br>7.12  | September<br>5.57  | October<br>5.37  | November<br>4.83  | 4.89  |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  | <u>January</u><br>7.09<br>7.09   | <u>February</u><br>5.38<br>5.38  | <u>March</u><br>5.04<br>5.04  | <u>April</u><br>6.31<br>6.31   | <u>May</u><br>4.93<br>4.93   | <u>June</u><br>4.62<br>4.62  | <u>July</u><br>6.41<br>6.41   | August<br>7.12<br>7.12   | <u>September</u> 5.57 5.57   | October<br>5.37<br>5.37  | <u>November</u> 4.83 4.83   | 4.89<br>4.89  |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  | <u>January</u><br>7.09<br>7.09<br>6.28   | February 5.38 5.38 5.25  | <u>March</u><br>5.04<br>5.04<br>4.84  | <u>April</u> 6.31 6.31 5.60  | <u>May</u><br>4.93<br>4.93<br>4.77   | June<br>4.62<br>4.62<br>4.52   | <u>July</u><br>6.41<br>6.41<br>5.78   | August 7.12 7.12 6.20  | <u>September</u> 5.57 5.57 5.14  | October 5.37 5.37 4.89   | November  4.83 4.83 4.50  | 4.89<br>4.89<br>4.73  |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)   | January<br>7.09<br>7.09<br>6.28<br>6.47  | 5.38<br>5.38<br>5.25<br>5.25   | 5.04<br>5.04<br>4.84<br>4.88  | April 6.31 6.31 5.60 5.80  | May 4.93 4.93 4.77 4.83  | June 4.62 4.62 4.52 4.36   | July 6.41 6.41 5.78 6.34  | 7.12<br>7.12<br>6.20<br>7.07   | <u>September</u> 5.57 5.57 5.14 5.52   | October 5.37 5.37 4.89 5.09  | November  4.83 4.83 4.50 4.43   | 4.89<br>4.89<br>4.73<br>4.49  |
| 2016  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)  | January<br>7.09<br>7.09<br>6.28<br>6.47<br>6.47  | 5.38<br>5.38<br>5.25<br>5.25<br>5.25   | 5.04<br>5.04<br>4.84<br>4.88<br>4.88  | April 6.31 6.31 5.60 5.80 5.80   | May 4.93 4.93 4.77 4.83 4.83   | June 4.62 4.62 4.52 4.36 4.36  | July 6.41 6.41 5.78 6.34 6.34   | 7.12<br>7.12<br>7.12<br>6.20<br>7.07<br>7.07   | 5.57<br>5.57<br>5.14<br>5.52<br>5.52   | <u>October</u> 5.37 5.37 4.89 5.09 5.09  | 4.83<br>4.83<br>4.50<br>4.43<br>4.43  | 4.89<br>4.89<br>4.73<br>4.49<br>4.49  |
| 2016  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<br>7.09<br>6.28<br>6.47<br>6.47<br>6.23   | 5.38<br>5.38<br>5.25<br>5.25<br>5.25<br>5.25<br>5.20   | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.88  | April 6.31 6.31 5.60 5.80 5.80 5.58  | May 4.93 4.93 4.77 4.83 4.83 4.68  | June 4.62 4.62 4.52 4.36 4.36 4.32   | July 6.41 6.41 5.78 6.34 6.34 5.72  | 7.12<br>7.12<br>6.20<br>7.07<br>7.07<br>6.15   | 5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82   | 4.83<br>4.83<br>4.50<br>4.43<br>4.43<br>4.39  | 4.89<br>4.89<br>4.73<br>4.49<br>4.49<br>4.43  |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  | January 7.09 7.09 6.28 6.47 6.47 6.23 6.23   | 5.38<br>5.38<br>5.25<br>5.25<br>5.25<br>5.25<br>5.20<br>5.20   | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.84<br>4.84  | April 6.31 6.31 5.60 5.80 5.58 5.58  | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67   | June 4.62 4.62 4.52 4.36 4.36 4.32 4.32  | July 6.41 6.41 5.78 6.34 6.34 5.72 5.70   | 7.12<br>7.12<br>6.20<br>7.07<br>7.07<br>6.15<br>6.15   | 5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82   | 4.83<br>4.83<br>4.50<br>4.43<br>4.43<br>4.39<br>4.39  | 4.89<br>4.89<br>4.73<br>4.49<br>4.49<br>4.43  |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)   | 7.09<br>7.09<br>7.09<br>6.28<br>6.47<br>6.47<br>6.23<br>6.23<br>6.23   | 5.38<br>5.38<br>5.25<br>5.25<br>5.25<br>5.20<br>5.20<br>5.20   | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.84<br>4.84  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58   | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67   | June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32   | July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70  | 7.12<br>7.12<br>6.20<br>7.07<br>7.07<br>6.15<br>6.15   | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82   | 4.83<br>4.83<br>4.50<br>4.43<br>4.43<br>4.39<br>4.39<br>4.39  | 4.89<br>4.89<br>4.73<br>4.49<br>4.49<br>4.43<br>4.43  |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)   | January 7.09 7.09 6.28 6.47 6.47 6.23 6.23   | 5.38<br>5.38<br>5.25<br>5.25<br>5.25<br>5.25<br>5.20<br>5.20   | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.84<br>4.84  | April 6.31 6.31 5.60 5.80 5.58 5.58  | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67   | June 4.62 4.62 4.52 4.36 4.36 4.32 4.32  | July 6.41 6.41 5.78 6.34 6.34 5.72 5.70   | 7.12<br>7.12<br>6.20<br>7.07<br>7.07<br>6.15<br>6.15   | 5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82   | 4.83<br>4.83<br>4.50<br>4.43<br>4.43<br>4.39<br>4.39  | 4.89<br>4.89<br>4.73<br>4.49<br>4.49<br>4.43  |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  | 7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23   | 5.38<br>5.38<br>5.25<br>5.25<br>5.25<br>5.20<br>5.20<br>5.20<br>5.20   | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.84<br>4.84<br>4.84  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58  | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67  | June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32  | July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70  | 7.12<br>7.12<br>6.20<br>7.07<br>7.07<br>6.15<br>6.15<br>6.15<br>6.15   | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82   | 4.83<br>4.83<br>4.50<br>4.43<br>4.43<br>4.39<br>4.39<br>4.39<br>4.39  | 4.89<br>4.89<br>4.73<br>4.49<br>4.49<br>4.43<br>4.43<br>4.43  |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC Market  | 7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39   | 5.38<br>5.38<br>5.25<br>5.25<br>5.25<br>5.20<br>5.20<br>5.20<br>5.20<br>8.19                                 | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.84<br>4.84<br>4.84<br>8.05  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11   | June 4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 4.32 7.00   | July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 8.19   | 7.12<br>7.12<br>6.20<br>7.07<br>7.07<br>6.15<br>6.15<br>6.15<br>8.61   | 5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82<br>8.57   | 4.83<br>4.83<br>4.50<br>4.43<br>4.43<br>4.39<br>4.39<br>4.39<br>7.77  | 4.89<br>4.89<br>4.73<br>4.49<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80   |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC Market  10 Min Spin SENY (GHIJK)  | 7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39   | 5.38<br>5.38<br>5.25<br>5.25<br>5.25<br>5.20<br>5.20<br>5.20<br>5.20<br>8.19                                 | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.84<br>4.84<br>4.84<br>8.05  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11   | June  4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00   | July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19  | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26  | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82<br>8.57   | 4.83<br>4.83<br>4.50<br>4.43<br>4.43<br>4.39<br>4.39<br>4.39<br>7.77  | 4.89<br>4.89<br>4.73<br>4.49<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80   |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  | 7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39   | 5.38<br>5.38<br>5.25<br>5.25<br>5.25<br>5.20<br>5.20<br>5.20<br>5.20<br>8.19                                 | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.84<br>4.84<br>4.84<br>8.05  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11 0.43 0.43   | June  4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00  0.49 0.46  | July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19  | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88   | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82<br>0.99   | November  4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77  | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>4.43<br>13.80   |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  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 1.53 1.53 0.42   | 5.38<br>5.38<br>5.25<br>5.25<br>5.25<br>5.20<br>5.20<br>5.20<br>5.20<br>8.19                                 | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.84<br>4.84<br>4.84<br>8.05  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  | May 4.93 4.93 4.77 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23  | June  4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00  0.49 0.46 0.24   | July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 2.79 2.77 1.72  | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 6.15 7.26 6.88 4.80  | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82<br>9.57   | 4.83<br>4.83<br>4.50<br>4.43<br>4.39<br>4.39<br>4.39<br>7.77  | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14   |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Spin West (ABCDE)  | 7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39   | 5.38<br>5.38<br>5.25<br>5.25<br>5.25<br>5.20<br>5.20<br>5.20<br>5.20<br>8.19<br>0.59<br>0.59<br>0.26<br>0.00 | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.84<br>4.84<br>4.84<br>8.05<br>0.71<br>0.71<br>0.08<br>0.17  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14   | May 4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 6.11  0.43 0.43 0.23 0.05  | June  4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00  0.49 0.46 0.24 0.05  | July 6.41 6.41 5.78 6.34 6.34 5.72 5.70 5.70 5.70 8.19  | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61 7.26 6.88   | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82<br>0.99   | November  4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77  | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00   |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC Market  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)  | 7.09 7.09 7.09 6.28 6.47 6.47 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 5.25 5.20 5.20 5.20 5.20 8.19  0.59 0.59 0.26 0.00 0.00                                  | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.84<br>4.84<br>4.84<br>8.05<br>0.71<br>0.71<br>0.08<br>0.17<br>0.17  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14                                    | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05   | June  4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00  0.49 0.46 0.24 0.05 0.02   | July 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   | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67   | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82<br>9.57   | November  4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77  1.05 1.05 0.82 0.00 0.00  | 4.89<br>4.89<br>4.73<br>4.49<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00   |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Spin West (ABCDE)  | 7.09 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39  1.53 1.53 0.42 0.45  | 5.38<br>5.38<br>5.25<br>5.25<br>5.25<br>5.20<br>5.20<br>5.20<br>5.20<br>8.19<br>0.59<br>0.59<br>0.26<br>0.00 | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.84<br>4.84<br>4.84<br>8.05<br>0.71<br>0.71<br>0.08<br>0.17  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14   | May 4.93 4.93 4.77 4.83 4.68 4.67 4.67 4.67 6.11  0.43 0.43 0.23 0.05  | June  4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00  0.49 0.46 0.24 0.05  | July 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  | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06  | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82<br>8.57<br>0.99<br>0.99<br>0.29<br>0.09   | November  4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77  1.05 1.05 0.82 0.00   | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00   |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC 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 SENY (GHIJK)  10 Min Non Synch East (F)   | 7.09 7.09 7.09 6.28 6.47 6.47 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 5.25 5.20 5.20 5.20 5.20 8.19  0.59 0.59 0.59 0.26 0.00 0.00 0.00                        | 5.04<br>5.04<br>4.84<br>4.88<br>4.88<br>4.84<br>4.84<br>4.84<br>8.05<br>0.71<br>0.71<br>0.08<br>0.17<br>0.17<br>0.00  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14                               | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04  | June  4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00  0.49 0.46 0.24 0.05 0.02 0.02  | July 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   | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80  | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21<br>0.21   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82<br>9.57<br>0.99<br>0.99<br>0.29<br>0.09<br>0.09   | November  4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77  1.05 1.05 0.82 0.00 0.00 0.00   | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00   |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC 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 SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)   | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 6.23 6.23 0.42 0.45 0.45 0.04 0.01  | 5.38 5.38 5.25 5.25 5.25 5.20 5.20 5.20 5.20 8.19  0.59 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 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00  | April 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14                     | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04 0.04   | June  4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00  0.49 0.46 0.24 0.05 0.02 0.02 0.04   | July 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  | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65   | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21<br>0.21<br>0.16<br>0.15   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82<br>9.57<br>0.99<br>0.99<br>0.29<br>0.09<br>0.09<br>0.08   | November  4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77  1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00   | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00                                 |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC 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 SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  | 7.09 7.09 7.09 6.28 6.47 6.47 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 5.25 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                   | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00   | April 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14                | May 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   | June  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 0.04 0.02   | July 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   | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27  | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21<br>0.21<br>0.15   | 5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57  0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08   | November  4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77  1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00  | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                         |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC Market  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 SENY (GHIJK)  30 Min SENY (GHIJK)  | 7.09 7.09 7.09 6.28 6.47 6.47 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   | 5.38 5.38 5.25 5.25 5.25 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         | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00  | April 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14      | May 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  | June  4.62 4.62 4.52 4.36 4.36 4.32 4.32 4.32 7.00  0.49 0.46 0.24 0.05 0.02 0.02 0.04 0.02 0.02 0.02 0.02 0.02  | July 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  | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27   | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21<br>0.21<br>0.16<br>0.15<br>0.15   | 5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57  0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08  | November  4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77  1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00   | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00                 |
| 2016  Day Ahead Market  10 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 East (F)  30 Min West (ABCDE)  Regulation  RTC 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 SENY (GHIJK)  10 Min Non Synch West (ABCDE)  30 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  Regulation  NYCA Regulation Movement   | 7.09 7.09 7.09 6.28 6.47 6.47 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   | 5.38 5.38 5.25 5.25 5.25 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         | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15   | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 7.07      | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43  | June  4.62 4.62 4.52 4.36 4.36 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   | July 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   | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25   | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21<br>0.21<br>0.16<br>0.15<br>0.15<br>0.15   | 5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57  0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08 6.86   | November  4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77  1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00   | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         |
| 2016  Day Ahead Market  10 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 East (F)  30 Min West (ABCDE)  Regulation  RTC Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch SENY (GHIJK)  30 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation   | 7.09 7.09 7.09 6.28 6.47 6.47 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   | 5.38 5.38 5.25 5.25 5.25 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         | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15   | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14      | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43  | June  4.62 4.62 4.52 4.36 4.36 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   | July 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   | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25   | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.30<br>0.21<br>0.21<br>0.16<br>0.15<br>0.15<br>5.52<br>0.24   | 5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57  0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08 6.86   | 4.83         4.83         4.50         4.43         4.39         4.39         4.39         7.77            1.05         1.05         0.82         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.24  | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC 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 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)  Regulation  NYCA Regulation Movement  Real Time Market   | 7.09 7.09 6.28 6.47 6.47 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 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         | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 7.07      | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25   | June  4.62 4.62 4.52 4.36 4.36 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   | July 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  | 7.12 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24   | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21<br>0.21<br>0.16<br>0.15<br>0.15<br>0.15   | 5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57  0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08 0.08 6.86 0.26   | November  4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77  1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00   | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC 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 SENY (GHIJK)  10 Min Non Synch West (ABCDE)  30 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min East (F)  30 Min West (ABCDE)  Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin SENY (GHIJK)  | 7.09 7.09 6.28 6.47 6.47 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 8.04 0.23  | 5.38 5.38 5.25 5.25 5.25 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         | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14      | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25   | June  4.62 4.62 4.52 4.36 4.36 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 1.43   | July 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  | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24  | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21<br>0.21<br>0.15<br>0.15<br>0.15<br>5.52<br>0.24   | 5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57  0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08 0.08 6.86 0.26   | November         4.83         4.83         4.50         4.43         4.39         4.39         4.39         7.77         1.05         1.05         0.82         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.00         0.24   | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         |
| Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin SENY (GHIJK)  10 Min Spin SENY (GHIJK)  | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39  1.53 1.53 0.42 0.45 0.45 0.45 0.04 0.01 0.01 0.01 0.01 8.04 0.23  7.51 7.51                                     | 5.38 5.38 5.25 5.25 5.25 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         | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20  | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25   | June  4.62 4.62 4.52 4.36 4.36 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 6.09 0.23  | July 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   | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24  8.04 7.68   | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21<br>0.21<br>0.16<br>0.15<br>0.15<br>5.52<br>0.24   | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82<br>8.57<br>0.99<br>0.99<br>0.29<br>0.09<br>0.09<br>0.08<br>0.08<br>0.08<br>0.08<br>0.08<br>6.86<br>0.26 | November  4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77  1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00   | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC 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 SENY (GHIJK)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin SENY (GHIJK)  10 Min Spin SENY (GHIJK)  10 Min Spin SENY (GHIJK)  | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39  1.53 1.53 0.42 0.45 0.45 0.45 0.04 0.01 0.01 0.01 0.01 8.04 0.23  7.51 7.51 4.17                                | 5.38 5.38 5.25 5.25 5.25 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         | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20  1.73 1.73 0.48  | April 6.31 6.31 5.60 5.80 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25   | June  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 0.04 0.02 0.02 1.43 1.40 1.00                           | July 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                                    | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24  8.04 7.68 4.72  | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21<br>0.21<br>0.16<br>0.15<br>0.15<br>5.52<br>0.24   | 5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57  0.99 0.99 0.99 0.09 0.09 0.08 0.08 0.0  | November  4.83 4.83 4.50 4.43 4.43 4.39 4.39 4.39 7.77  1.05 1.05 0.82 0.00 0.00 0.00 0.00 0.00 0.00 0.00   | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC Market  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 West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin SENY (GHIJK)  | 7.09 7.09 7.09 6.28 6.47 6.47 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 0.01 8.04 0.23  7.51 7.51 4.17 4.26                           | 5.38 5.38 5.25 5.25 5.25 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         | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20  1.73 1.73 0.48 0.22                                   | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14      | May 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 5.43 0.25  1.19 1.19 0.79 0.06                               | June  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  | July 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                               | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24  8.04 7.68 4.72 6.70                                     | 5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21<br>0.21<br>0.16<br>0.15<br>0.15<br>5.52<br>0.24   | 5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57  0.99 0.99 0.09 0.09 0.08 0.08 0.08 0.0  | November         4.83         4.83         4.50         4.43         4.39         4.39         4.39         4.39         7.77         1.05         1.05         0.82         0.00         0.00         0.00         0.00         0.00         0.00         7.00         0.24  | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch East (F)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  RTC 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 SENY (GHIJK)  10 Min Non Synch West (ABCDE)  30 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min East (F)  30 Min West (ABCDE)  Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  10 Min Spin West (ABCDE)  | 7.09 7.09 6.28 6.47 6.47 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 8.04 0.23  7.51 7.51 4.17 4.26 4.26                                | 5.38 5.38 5.25 5.25 5.25 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         | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20  1.73 1.73 0.48 0.22 0.22                              | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14      | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25  1.19 1.19 0.79 0.06 0.06                               | June  4.62 4.62 4.52 4.36 4.36 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   | July 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                          | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24  8.04 7.68 4.72 6.70 6.34                                | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.30<br>0.21<br>0.21<br>0.16<br>0.15<br>0.15<br>0.15<br>5.52<br>0.24   | 5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57  0.99 0.99 0.29 0.09 0.09 0.08 0.08 0.08 0.08 0.08 0.0   | November         4.83         4.83         4.50         4.43         4.39         4.39         4.39         7.77         1.05         1.05         0.82         0.00         0.00         0.00         0.00         0.00         0.00         0.00         7.00         0.24  | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00 |
| 2016  Day Ahead Market  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 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 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 East (F)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  NYCA Regulation Movement  Real Time Market  10 Min Spin SENY (GHIJK)  10 Min Spin West (ABCDE)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch SENY (GHIJK)  | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39  1.53 1.53 0.42 0.45 0.45 0.45 0.04 0.01 0.01 0.01 0.01 8.04 0.23  7.51 7.51 4.17 4.26 4.26 1.89                 | 5.38 5.38 5.25 5.25 5.25 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         | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20  1.73 1.73 0.48 0.22 0.22 0.00                         | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25  1.19 1.19 0.79 0.06 0.06 0.03                          | June  4.62 4.62 4.52 4.36 4.36 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   | July 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                     | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24  8.04 7.68 4.72 6.70 6.34 3.56                           | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21<br>0.21<br>0.15<br>0.15<br>0.15<br>5.52<br>0.24<br>1.59<br>1.59<br>0.90<br>0.59<br>0.21         | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82<br>8.57<br>0.99<br>0.99<br>0.29<br>0.09<br>0.09<br>0.08<br>0.08<br>0.08<br>0.08<br>0.08<br>6.86<br>0.26 | November         4.83         4.83         4.50         4.43         4.39         4.39         4.39         7.77         1.05         1.05         0.82         0.00         0.00         0.00         0.00         0.00         0.00         7.00         0.24   | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  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 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 Non Synch SENY (GHIJK)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  NYCA Regulation Movement  Real Time Market  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 West (ABCDE)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK) | 7.09 7.09 6.28 6.47 6.47 6.23 6.23 6.23 6.23 9.39  1.53 1.53 0.42 0.45 0.45 0.45 0.04 0.01 0.01 0.01 0.01 0.01 0.01 4.04 0.23  7.51 7.51 4.17 4.26 4.26 1.89 0.06  | 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 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20  1.73 1.73 0.48 0.22 0.22 0.00 0.00 0.00               | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25  1.19 1.19 0.79 0.06 0.06 0.03 0.03                     | June  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 6.09 0.23  1.43 1.40 1.00 0.15 0.11 0.04 0.07 | July 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                | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24  8.04 7.68 4.72 6.70 6.34 3.56 3.48                 | 5.57<br>5.57<br>5.57<br>5.14<br>5.52<br>5.52<br>5.10<br>5.10<br>5.10<br>7.00<br>0.61<br>0.61<br>0.30<br>0.21<br>0.21<br>0.16<br>0.15<br>0.15<br>5.52<br>0.24<br>1.59<br>1.59<br>0.90<br>0.59<br>0.21<br>0.21 | 5.37<br>5.37<br>4.89<br>5.09<br>5.09<br>4.82<br>4.82<br>4.82<br>4.82<br>8.57<br>0.99<br>0.99<br>0.29<br>0.09<br>0.09<br>0.08<br>0.08<br>0.08<br>0.08<br>0.08<br>0.0          | November         4.83         4.83         4.50         4.43         4.39         4.39         4.39         7.77         1.05         1.05         0.82         0.00         0.00         0.00         0.00         0.00         0.00         0.00         2.69         2.29         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  | 4.89<br>4.89<br>4.73<br>4.49<br>4.43<br>4.43<br>4.43<br>13.80<br>1.92<br>1.92<br>1.14<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00<br>0.00         |
| Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  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 East (F)  30 Min East (F)  30 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 West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  NYCA Regulation Movement  Real Time Market  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 West (ABCDE)  30 Min SENY (GHIJK)              | 7.09 7.09 6.28 6.47 6.47 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 8.04 0.23  7.51 7.51 4.17 4.26 4.26 1.89 0.06 0.06 0.06 10.66 | 5.38 5.38 5.25 5.25 5.25 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         | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20  1.73 1.73 0.48 0.22 0.22 0.00 0.00 0.00 0.00 0.00 0.0 | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14 | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25  1.19 1.19 0.79 0.06 0.06 0.03 0.03 0.03 0.03 0.03 6.06 | June  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  | July 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 8.37 | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24  8.04 7.68 4.72 6.70 6.34 3.56 3.48 3.12 3.12 10.31 | 5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 5.10 7.00  0.61 0.61 0.30 0.21 0.21 0.15 0.15 0.15 5.52 0.24  1.59 1.59 0.90 0.59 0.59 0.59 0.21 0.21 0.21 0.21 0.21 0.21 0.21 0.21                             | 5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57  0.99 0.99 0.09 0.09 0.08 0.08 0.08 0.0  | November         4.83         4.83         4.50         4.43         4.39         4.39         4.39         7.77         1.05         1.05         0.82         0.00         0.00         0.00         0.00         0.00         0.00         0.00         7.00         0.24         2.69         2.69         2.29         0.00 | 4.89 4.89 4.73 4.49 4.43 4.43 4.43 4.43 13.80  1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00  |
| 2016  Day Ahead Market  10 Min Spin SENY (GHIJK)  10 Min Spin East (F)  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 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 Non Synch SENY (GHIJK)  10 Min Non Synch SENY (GHIJK)  10 Min Non Synch West (ABCDE)  30 Min SENY (GHIJK)  30 Min East (F)  30 Min West (ABCDE)  Regulation  NYCA Regulation Movement  Real Time Market  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 West (ABCDE)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK)  30 Min SENY (GHIJK) | 7.09 7.09 6.28 6.47 6.47 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 8.04 0.23  7.51 7.51 4.17 4.26 4.26 1.89 0.06 0.06 0.06       | 5.38 5.38 5.25 5.25 5.25 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         | 5.04 5.04 4.84 4.88 4.88 4.84 4.84 4.84 8.05  0.71 0.71 0.08 0.17 0.17 0.00 0.00 0.00 0.00 7.15 0.20  1.73 1.73 0.48 0.22 0.22 0.00 0.00 0.00 0.00 0.00 0.0 | April 6.31 6.31 5.60 5.80 5.58 5.58 5.58 7.93  1.81 1.81 0.95 0.14 0.14 0.14 0.14 0.14 0.14 0.14 0.14      | May 4.93 4.93 4.77 4.83 4.83 4.68 4.67 4.67 6.11  0.43 0.43 0.23 0.05 0.05 0.04 0.04 0.04 0.04 5.43 0.25  1.19 1.19 0.79 0.06 0.06 0.03 0.03 0.03 0.03           | June 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   | July 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      | 7.12 7.12 6.20 7.07 7.07 6.15 6.15 6.15 6.15 8.61  7.26 6.88 4.80 6.06 5.67 3.80 3.65 3.27 3.27 10.25 0.24  8.04 7.68 4.72 6.70 6.34 3.56 3.48 3.12 3.12       | 5.57 5.57 5.57 5.14 5.52 5.52 5.10 5.10 5.10 5.10 7.00  0.61 0.61 0.30 0.21 0.21 0.15 0.15 0.15 5.52 0.24  1.59 1.59 0.90 0.59 0.59 0.21 0.21 0.21 0.21 0.21 0.21  | 5.37 5.37 4.89 5.09 5.09 4.82 4.82 4.82 4.82 8.57  0.99 0.99 0.09 0.09 0.08 0.08 0.08 0.0  | November         4.83         4.83         4.50         4.43         4.39         4.39         4.39         7.77         1.05         1.05         0.82         0.00         0.00         0.00         0.00         0.00         0.00         7.00         0.24         2.69         2.29         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   | 4.89 4.89 4.73 4.49 4.43 4.43 4.43 4.43 13.80  1.92 1.92 1.14 0.00 0.00 0.00 0.00 0.00 0.00 0.00  |

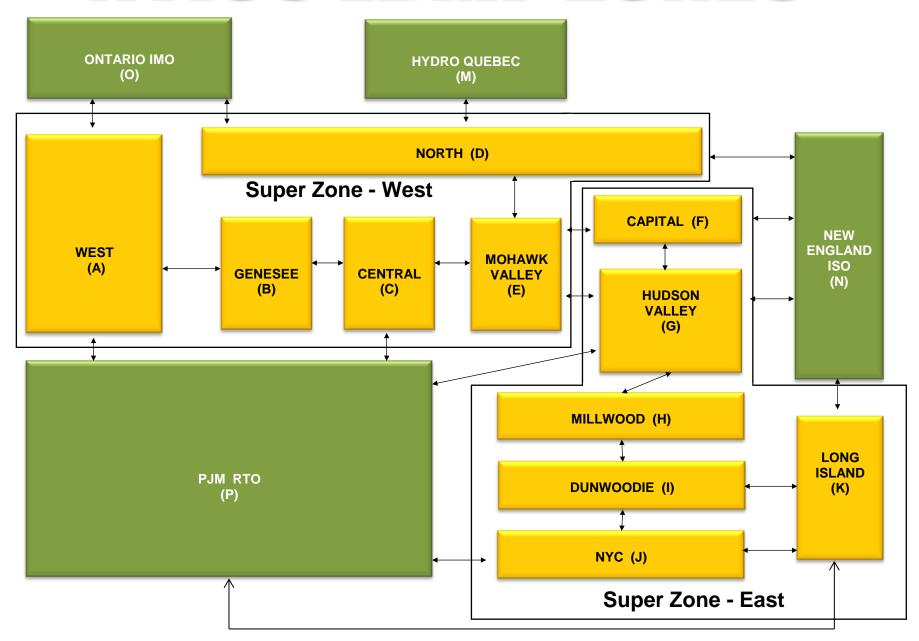








# NYISO LBMP ZONES

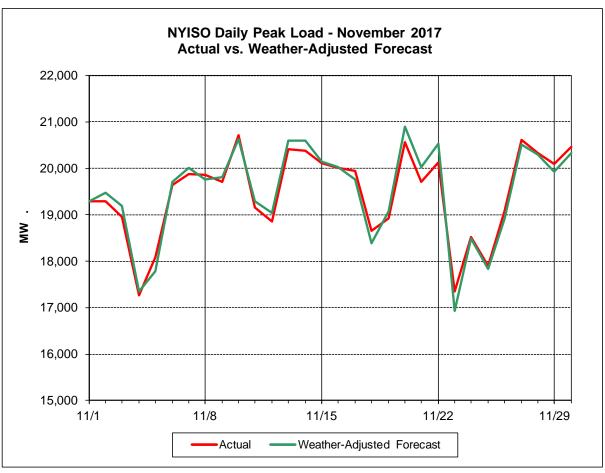


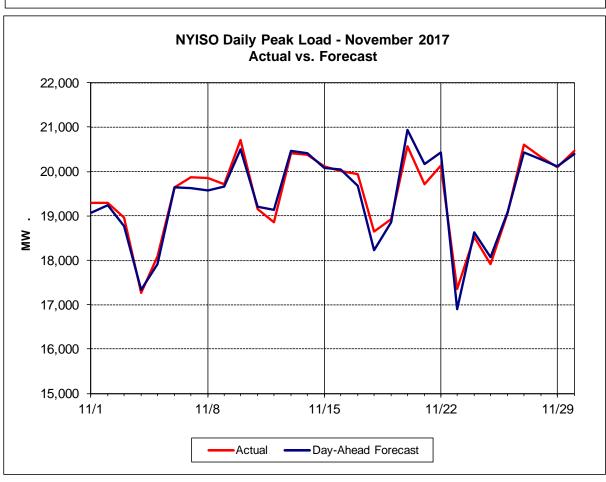
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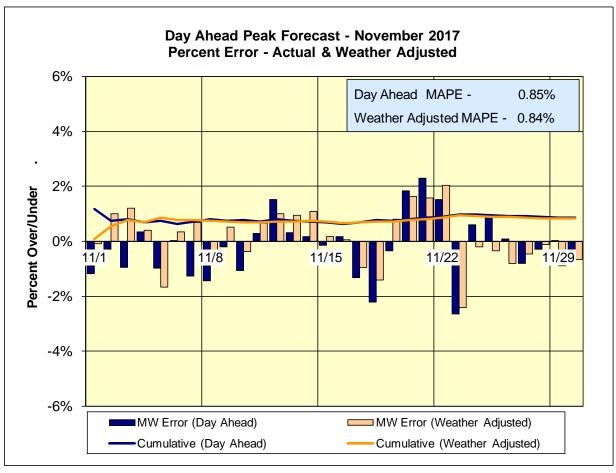
#### **Billing Codes for Chart C**

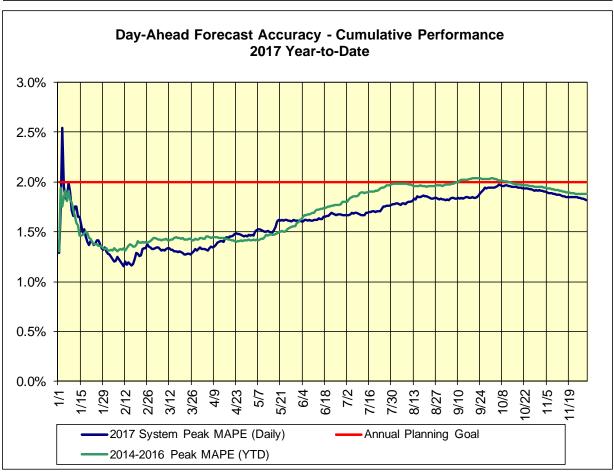
| Chart - C Category Name                   | <b>Billing Code</b> | Billing Category Name  |
|---|---------------------|--|
| Bid Production Cost Guarantee Balancing   | 81203               | Balancing NYISO Bid Production Cost Guarantee - Internal Units                     |
| Bid Production Cost Guarantee 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   |

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

| Filing<br>Date | Filing Summary  | Docket                                      | Order<br>Date | Order Summary   |
|----------------|---|---|---------------|---|
| 09/19/2016     | NYISO compliance filing of reliability-must-run tariff requirements   | ER16-120-001<br>ER16-120-003<br>ER15-37-002 | 11/16/2017    | Order conditionally accepted tariff revisions to be effective 10/20/2015 and directed a further compliance filing within 30days |
| 12/19/2016     | NYISO filing re: request for clarification or rehearing of Order No. 831 the Final Rule on Offer Caps in Markets Operated by RTOs and ISOs  | RM16-5-001                                  | 11/09/2017    | Order No. 831-A granted in part and denied in part requests for rehearing and clarification                                     |
| 05/08/2017     | NYISO compliance filing re: tariff revisions to comply with Order No. 831 - Offer Caps in Markets Operated by RTOs and ISOs   | ER17-1561-000                               | 11/09/2017    | Order accepted in part, denied in part and directed further compliance  |
| 07/10/2017     | NYISO filing re: response to 05/24/17 deficiency letter requesting additional information regarding the NYISO's 03/27/17 filing of a regional cost allocation methodology pursuant to OATT Section 31.5.5.4.1                   | ER17-1310-001                               | 11/16/2017    | Order accepted tariff revisions effective on the date of this order (i.e., 11/16/2017)  |
| 11/01/2017     | NYISO confidential filing to the NYPSC re: Quarterly Reliability Project Tracking Report – October 2017   | PSC Matter No.<br>10-02007                  |               |   |
| 11/07/2017     | NYISO filing re: reply comments concerning the grid reliability and resilience pricing NOPR   | RM18-1-000                                  |               |   |
| 11/09/2017     | NYISO filing on behalf of Niagara Mohawk Power<br>Corporation (NMPC) of a reimbursement agreement (SA<br>2386) between NMPC and Mid-Atlantic Interstate<br>Transmission, LLC  | ER18-279-000                                |               |   |
| 11/13/2017     | NYISO filing re: doc-less motion to intervene in the NextEra Energy Transmission New York, Inc. filing of revisions to the formula rate template and implementation protocols to recover investments in transmission facilities | ER18-125-000                                |               |   |
| 11/14/2017     | NYISO confidential filing to the NYPSC re: three-month Reliability Commitment Data Report for the period ending 10/31/2017  | PSC Matter No.<br>10-02007                  |               |   |
| 11/21/2017     | NYISO filing re: request for extension of time to file compliance revisions to the proposed reliability must run tariff requirements  | ER16-120-003                                | 11/28/2017    | Notice granted an extension of time until 01/16/2018 to file compliance tariff revisions  |