

# **Broader Regional Market Metrics (CTS)**

**New York Independent  
System Operator**

September 2017

Prepared by NYISO Operations Regional Market Coordination

**September 2017 Broader Regional Markets Highlights (CTS)**

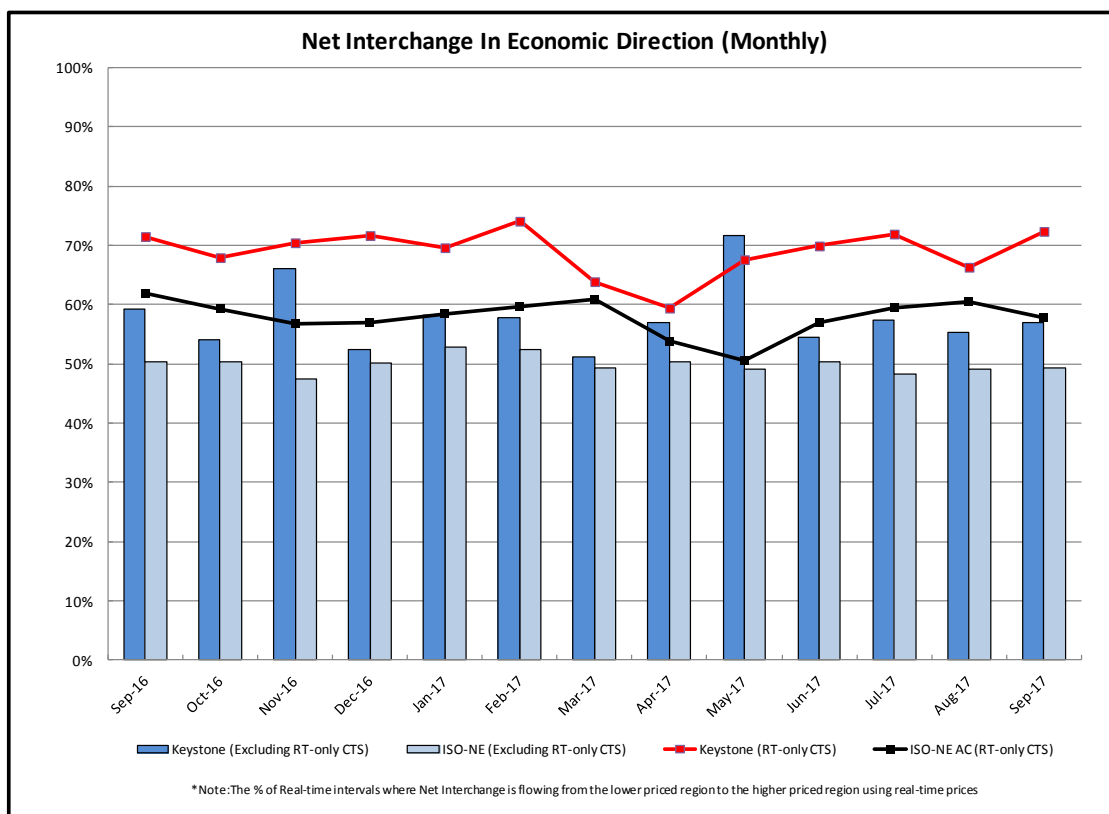
## September 2017 Broader Regional Markets Highlights

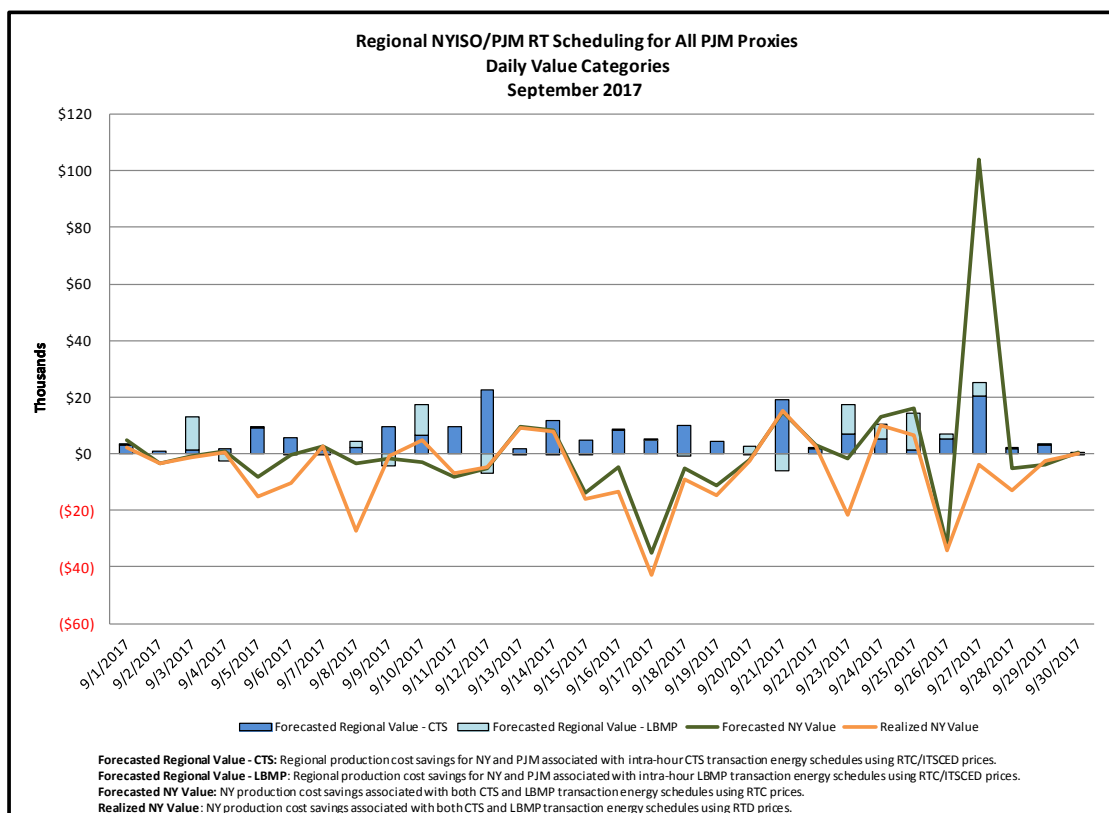
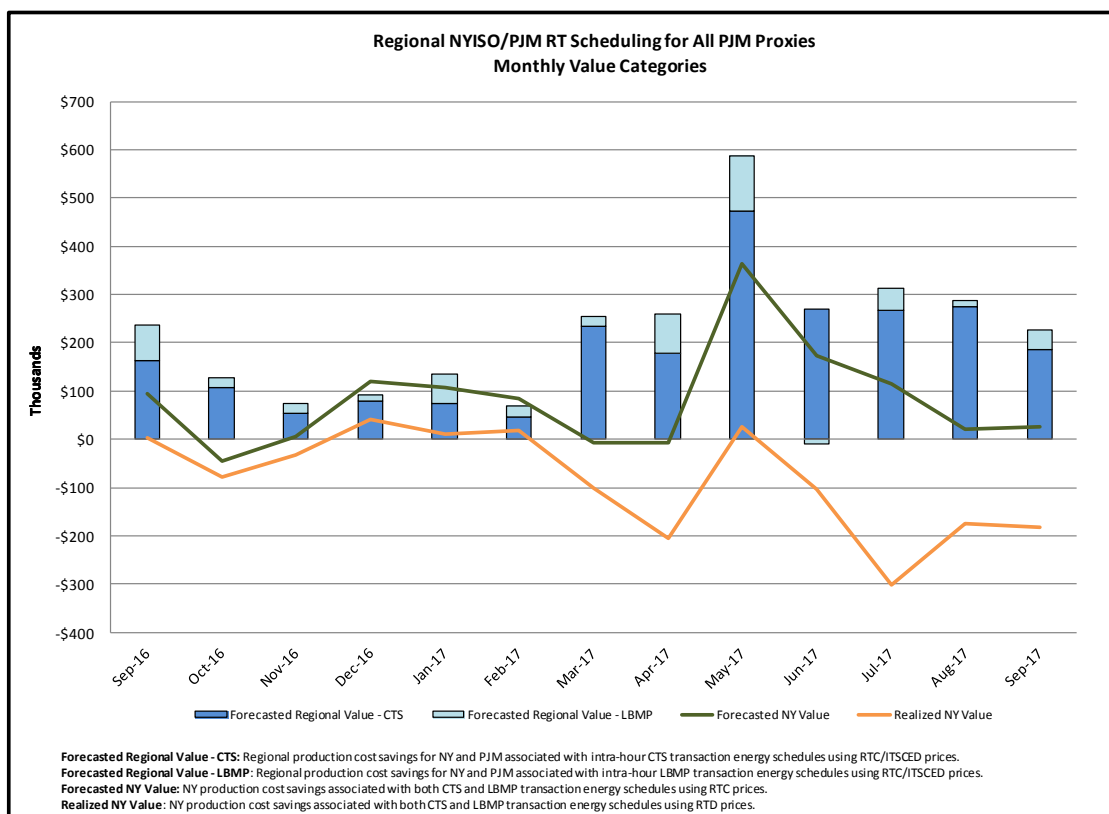
- PJM
  - At PJM Keystone, there was an average of 414 MWs<sup>1</sup> per hour of CTS offers and an average of 128 MWs per hour of CTS schedules.
  - Interchange at PJM Keystone associated with CTS transactions scheduled only in real-time flowed in the economic direction in 72.3% of the real-time intervals, as compared to all other interchange at the interface which flowed in the economic direction in 57.0% of the real-time intervals.
- ISO-NE
  - At NE Sandy Pond, there was an average of 2493 MWs<sup>1</sup> per hour of CTS offers, and an average of 1036 MWs per hour of CTS schedules.
  - Interchange at NE Sandy Pond associated with CTS transactions scheduled only in real-time flowed in the economic direction in 57.9% of the real-time intervals, as compared to all other interchange which flowed in the economic direction in 49.3% of the real-time intervals.

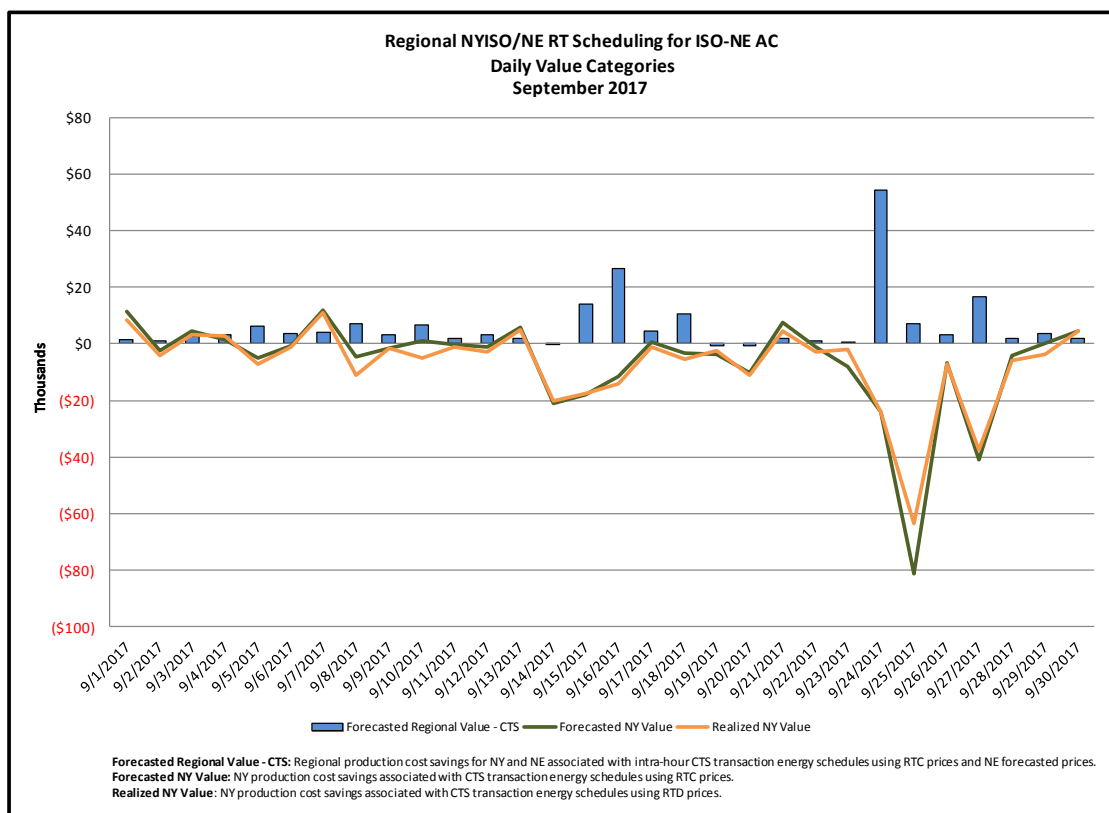
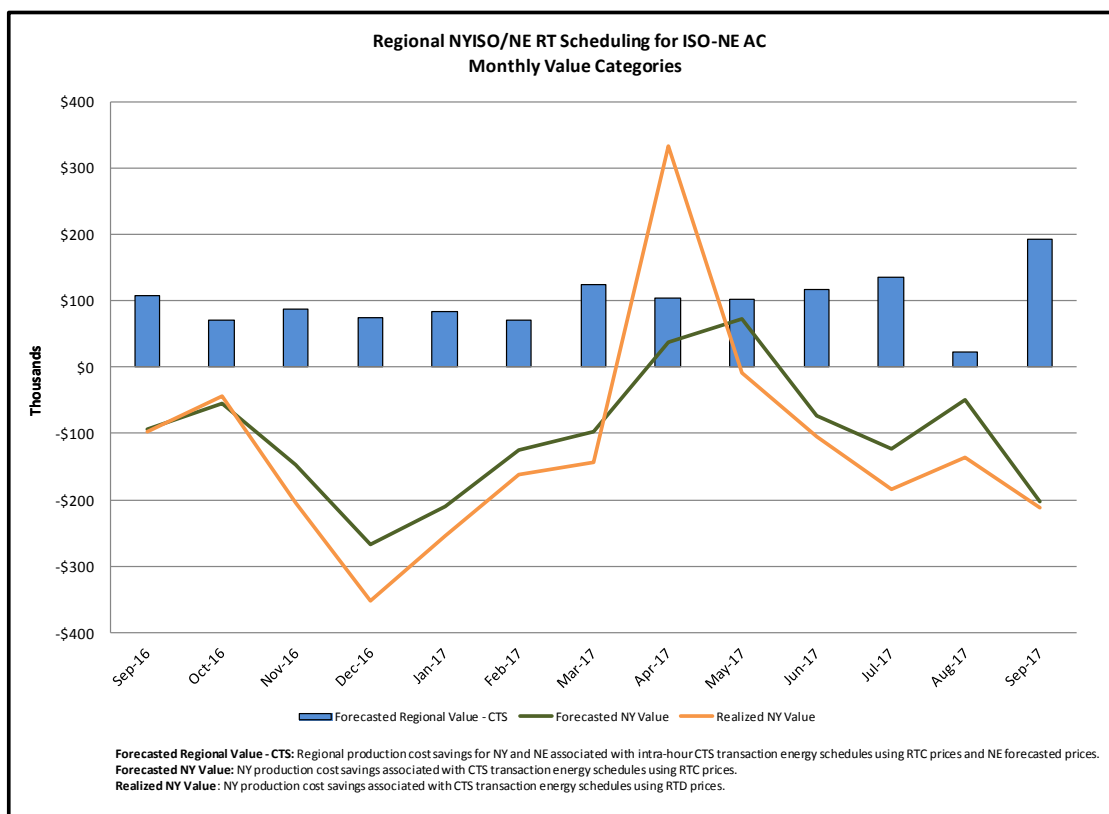
## Pricing Data<sup>2</sup>

Interface	Max Forecasted Price Spread	Min Forecasted Price Spread	Forecasted Price Spreads minus Real-time Price Spreads					
			< \$-20	\$-20 to \$-10	\$-10 to \$0	\$0 to \$10	\$10 to \$20	> \$20
Keystone	\$977.82	(\$269.64)	5.8%	7.4%	43.4%	34.5%	3.8%	5.0%
HTP	\$636.97	(\$860.64)	5.8%	7.8%	42.0%	36.1%	3.8%	4.5%
NEPTUNE	\$1,176.14	(\$866.89)	7.0%	7.8%	40.2%	34.9%	4.8%	5.4%
VFT	\$665.42	(\$849.35)	5.8%	7.6%	42.0%	36.2%	3.9%	4.4%
Sandy Pond	\$100.00	(\$998.00)	6.5%	6.0%	31.7%	43.5%	7.1%	5.1%





1. All MW Values include the absolute sum of both imports + exports. Wheels have been excluded.
2. "Forecasted Prices" refer to NYISO's RTC LBMP and RTO's LMP used in RTC. "Real-time Prices" refer to NYISO's RTD LBMP and RTO's Real-time LMP. Forecasted Prices are used during NYISO's RTC evaluation to schedule transactions. Real-time Prices are used to settle transactions. Price Spreads are always calculated as NYISO's LBMP minus RTO's LMP.







## Regional NYISO RT Scheduling

<u>Category</u>	<u>Description</u>
 Forecasted Regional Value - CTS	Forecasted regional production cost savings from the intra-hour (non-TOH) energy schedule changes <sup>1</sup> on CTS bids (Intra-hour CTS Schedule Changes * [NY RTC LBMP - PJM or ISO-NE's Forecasted LMP]).
 Forecasted Regional Value - LBMP	Forecasted regional production cost savings from the intra-hour (non-TOH) energy schedule changes <sup>1</sup> on LBMP bids (Intra-hour LBMP Schedule Changes * [NY RTC LBMP - PJM or ISO-NE's Forecasted LMP]).
 Forecasted NY Value	Forecasted NY production cost savings from the intra-hour (non-TOH) energy schedule changes <sup>1</sup> on CTS and LBMP bids (Total Intra-hour CTS & LBMP Schedule Changes * NY RTC LBMP).
 Realized NY Value	Realized NY production cost savings from the intra-hour (non-TOH) energy schedule changes <sup>1</sup> on CTS and LBMP bids (Total Intra-hour CTS & LBMP Schedule Changes * NY RTD LBMP).

<sup>1</sup> Note: Schedule changes associated with manual Operator actions such as curtailments and/or transaction derates, and that have a significant impact (either positive or negative) to the above metrics, are generally excluded.

