

# Broader Regional Market Metrics

New York Independent  
System Operator  
September 2015

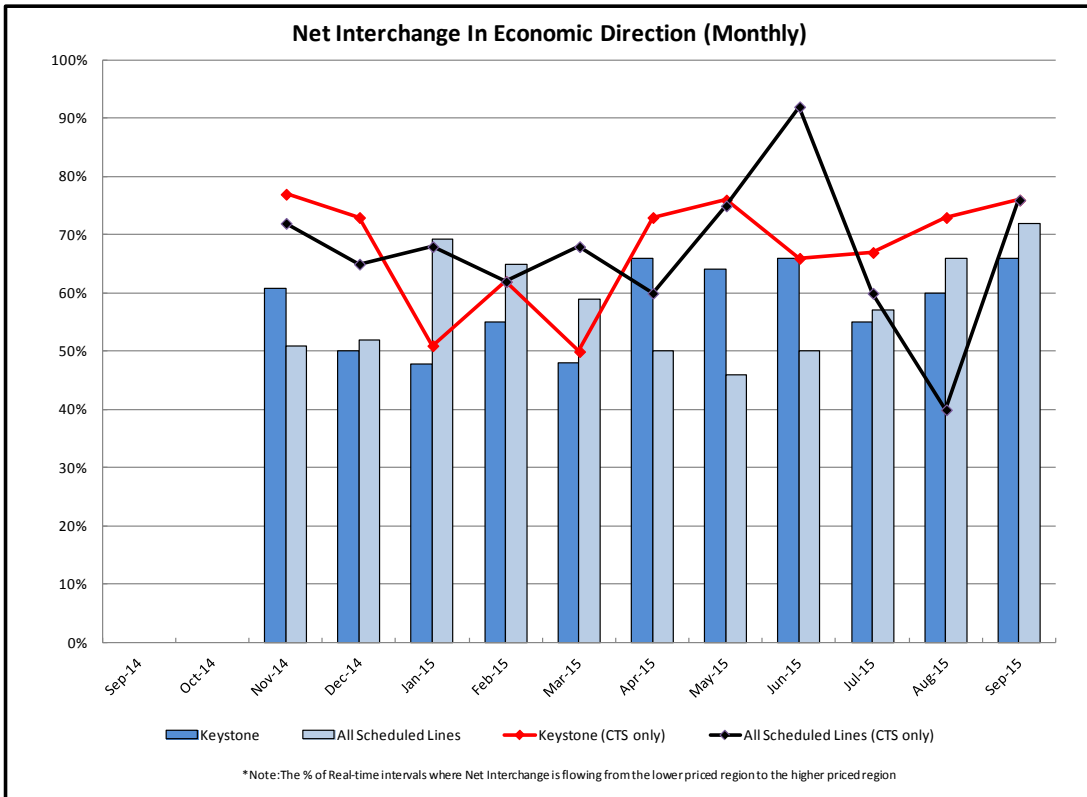
## September 2015 Broader Regional Markets Highlights

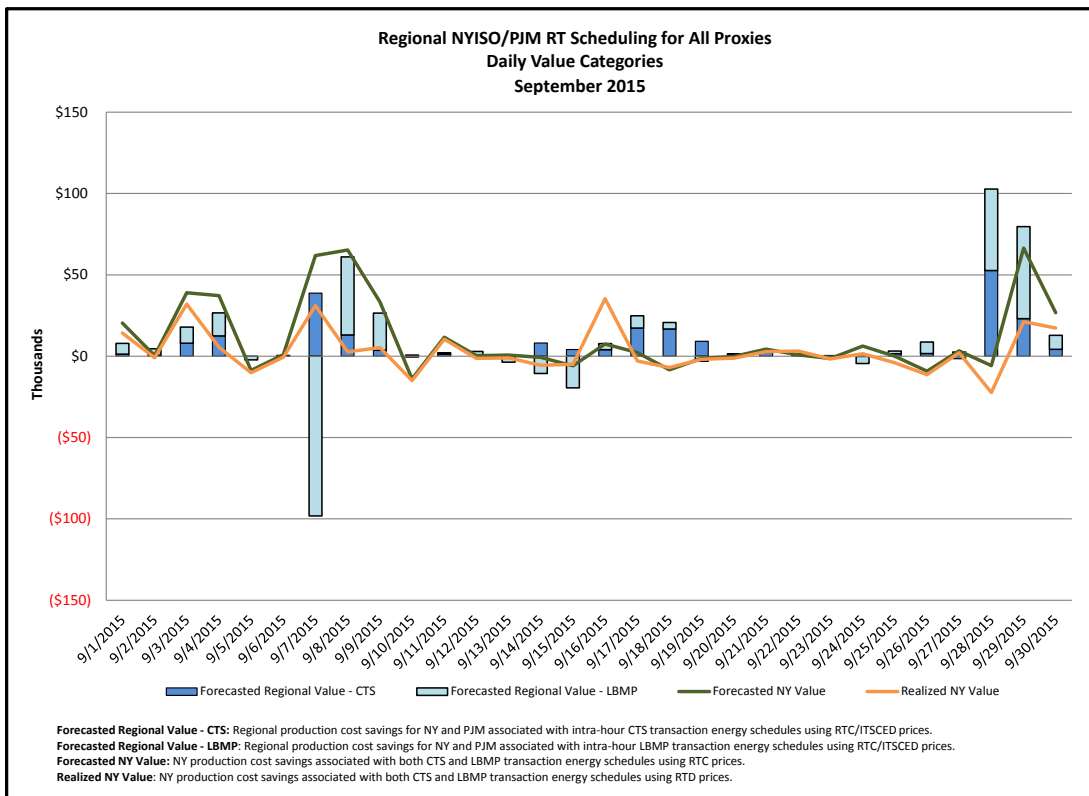
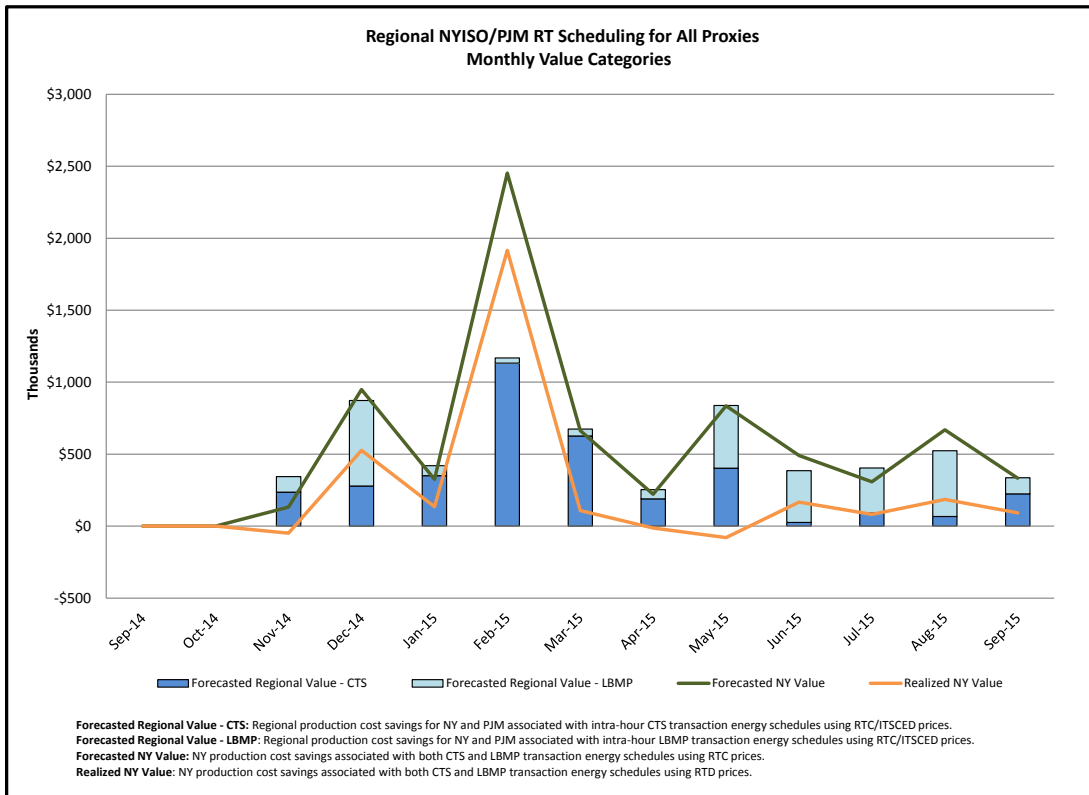
- At PJM Keystone, there was an average of 268MWs<sup>1</sup> per hour of CTS offers, and an average of 27MWs per hour of CTS schedules.
- At the three PJM scheduled lines, there was an average of 40MWs per hour of CTS offers, and an average of 23MWs per hour of CTS schedules.
- Scheduled interchange at PJM Keystone associated with CTS transactions flowed in the economic direction in 76% of the real-time intervals, as compared to total interchange which flowed in the economic direction in 66% of the real-time intervals.
- At the three PJM scheduled lines, scheduled interchange associated with CTS transactions flowed in the economic direction in 76% of the real-time intervals, as compared to total interchange which flowed in the economic direction in 72% of the real-time intervals.
- NY production savings associated with real-time transaction scheduling with PJM was \$0.09M (\$0.33M forecasted savings at time schedules are set). Year-to-date, the NY production savings is \$2.6M (\$5.0M forecasted).

## 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	\$981.35	(\$1,002.72)	7.4%	5.4%	40.0%	36.6%	3.9%	6.7%
HTP	\$983.22	(\$980.19)	7.8%	5.9%	38.6%	35.7%	4.7%	7.4%
NEPTUNE	\$983.41	(\$992.18)	8.8%	6.1%	38.2%	36.6%	3.9%	6.7%
VFT	\$455.46	(\$1,012.15)	7.4%	5.4%	40.0%	36.6%	3.9%	6.7%

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 PJM's ITSSED LMP. "Real-time Prices" refer to NYISO's RTD LBMP and PJM's RTSCED 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 PJM's LMP.





## Regional NYISO/PJM RT Scheduling for All Proxies

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

