Broader Regional Market Metrics

New York Independent System Operator

May 2015

Prepared by NYISO Operations Regional Market Coordination

Highlights

Regional NYISO/PJM RT Scheduling Monthly Value: $838,191.04
Regional NYISO/PJM RT Scheduling Year-to-Date Value: $3,353,785.55

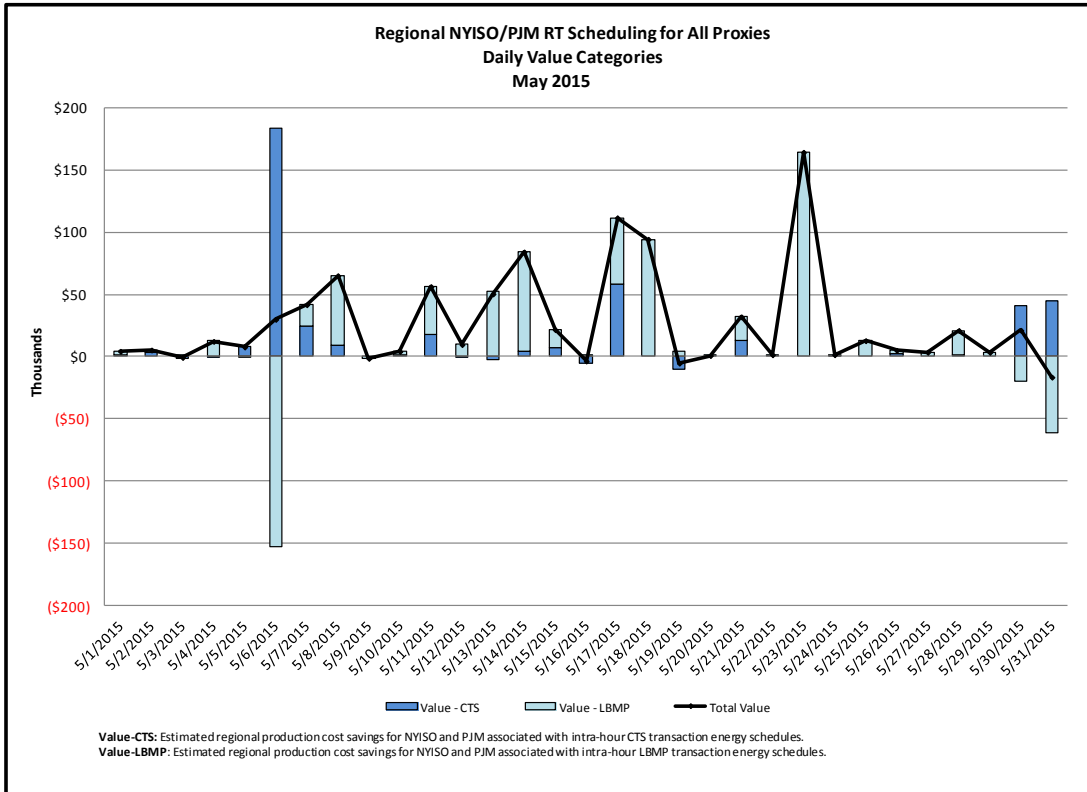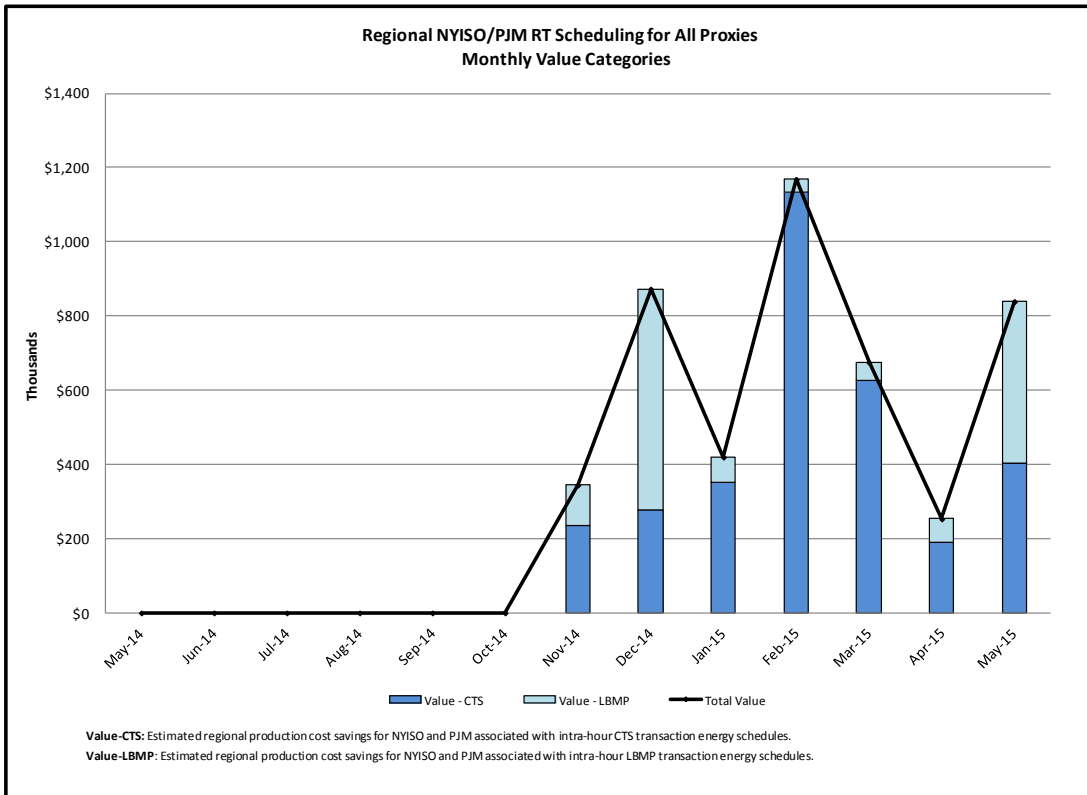## 15-Minute Bidding and Scheduling Data[1]

Interface	CTS				LBMP			
	Avg Offered (MW)	Avg Scheduled (MW)	Max Offered (MW)	Max Scheduled (MW)	Avg Offered (MW)	Avg Scheduled (MW)	Max Offered (MW)	Max Scheduled (MW)
Keystone	413	9	700	500	1615	533	2957	1878
All Scheduled Lines	1	0	290	290	660	348	1200	1135

Pricing Data[2]

Interface	Max Forecasted Price Spread	Min Forecasted Price Spread	Forecasted Price Spreads minus Real-time Price Spreads							
			< $-20	$-20 to $-10	$-10 to $-5	$-5 to $0	$0 to $5	$5 to $10	$10 to $20	> $20
Keystone	$982.17	($1,266.74)	10.6%	8.4%	12.5%	22.6%	20.8%	10.5%	6.1%	8.4%
HTP	$764.66	($1,289.57)	10.1%	9.0%	12.8%	22.9%	21.8%	10.8%	6.9%	5.6%
NEPTUNE	$969.45	($1,274.60)	11.1%	9.1%	12.2%	21.9%	21.1%	10.5%	7.2%	6.9%
VFT	$761.59	($1,274.19)	10.1%	9.0%	12.8%	22.9%	21.8%	10.8%	6.9%	5.6%

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 ITSCED 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
Monthly Value Categories

■ Value - CTS ■ Value - LBMP — Total Value

Value-CTS: Estimated regional production cost savings for NYISO and PJM associated with intra-hour CTS transaction energy schedules.
Value-LBMP: Estimated regional production cost savings for NYISO and PJM associated with intra-hour LBMP transaction energy schedules.

Regional NYISO/PJM RT Scheduling for All Proxies
Daily Value Categories
May 2015

■ Value - CTS ■ Value - LBMP — Total Value

Value-CTS: Estimated regional production cost savings for NYISO and PJM associated with intra-hour CTS transaction energy schedules.
Value-LBMP: Estimated regional production cost savings for NYISO and PJM associated with intra-hour LBMP transaction energy schedules.

Regional NYISO/PJM RT Scheduling for All Proxies

Category	_Description_
Value-CTS	Estimated 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]).
Value-LBMP	Estimated 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]).

Avg Hourly CTS/LBMP Scheduled vs Non-scheduled - PJM Keystone (Monthly)

Avg Hourly CTS/LBMP Scheduled vs Non-scheduled - PJM Keystone (Daily)

Avg Hourly CTS/LBMP Scheduled vs Non-scheduled - PJM Scheduled Lines (Monthly)

Avg Hourly CTS/LBMP Scheduled vs Non-scheduled - PJM Scheduled Lines (Daily)

Price Spread Distribution (NYISO RTC LBMP minus PJM IT SCED LMP)

Legend: Keystone, HTP, NEPTUNE, VFT

Net Interchange In Economic Direction

Legend: Keystone, All Scheduled Lines, Keystone (CTS only), All Scheduled Lines (CTS only)

*Note: The % of Real-time intervals where Net Interchange is flowing from the lower priced region to the higher priced region