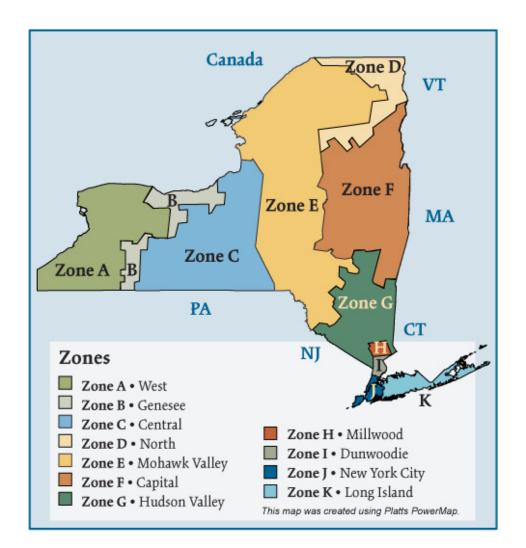
New York (NYISO) Electric Regions



New York Electric Market: Overview and Focal Points

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Overview

Geography

State covered: New York

Reliability region: New York ISO (NYISO) sub-region of the Northeast Power Coordinating Council (NPCC)

Balancing authority: NYISO

Zones: Capital (Zone F), Central (Zone C), Dunwoodie (Zone I), Genesee (Zone B), Hudson Valley (Zone G), Long Island (Zone K), Millwood (Zone H), Mohawk Valley (Zone E), New York City (Zone J), North (Zone D), West (Zone A)

RTO/ISO

NYISO (established 1999) operates the region's power grid and wholesale electric markets:

- Energy market: two-settlement (day ahead and real-time) spot market with locational marginal pricing,
- Regional and locational capacity market, and
- Financial transmission rights market.

NYISO 2008 State of the Markets Report

Market Monitor: Nicole Bouchez – Manager, Internal Market Monitor, New York ISO David Patton – Independent Market Advisor, Potomac Economics, LTD.

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RTO/ISO (continued)

Also, market participants trade electricity bilaterally through brokers, the IntercontinentalExchange (ICE) and the New York Mercantile Exchange's (Nymex) ClearPort, using Zone A (West) as a pricing point.

Generation/Supply

Marginal fuel type: natural gas

Generating capacity (summer 2006): 39,704 MW

Capacity reserve (summer 2006): 5,765 MW

Reserve margin (summer 2006): 17%

The New York City metropolitan area (NYC) and Long Island (LI) are areas of concentrated demand. Both localities have requirements for installed generating capacity that are more stringent than the rest of the region, to ensure reliability of service.

Demand

All time peak demand: 33,939 MW (set August 2, 2006)

In summer of 2006, demand reached record levels on several occasions due to extremely hot weather.

Peak demand growth: 5.6 % (2006-2005)

Summer Peak Demand (MW) 28,433 (2004), 32,075 (2005), 33,939 (2006) (Source: NYISO)

Load pockets: Zone J New York City and Zone K Long Island

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Prices

Annual Average Day-Ahead Price

Zone J New York City 2004: \$63.16/MWh 2005: \$93.77/MWh 2006: \$70.90/MWh

Zone K Long Island

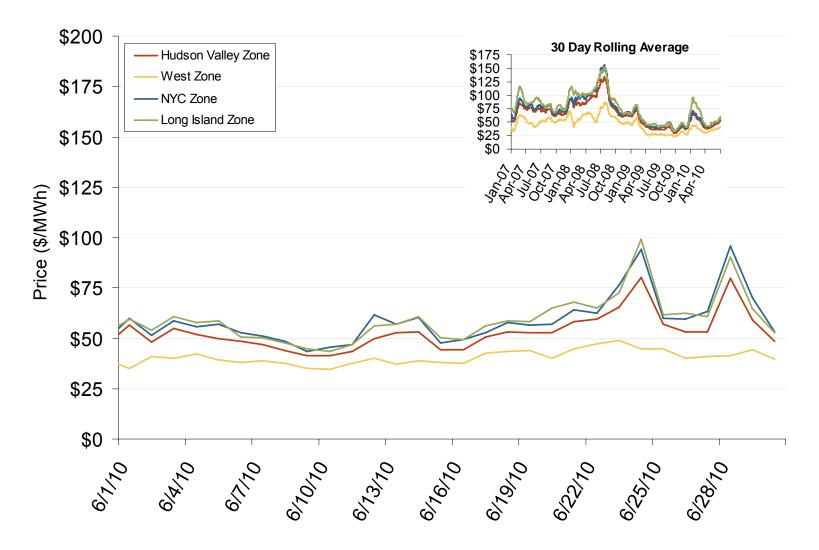
2004: \$63.20/MWh 2005: \$99.32/MWh 2006: \$86.15/MWh

Prices increased in 2005 as a result of disturbances to the natural gas market. Prices declined in 2006 as natural gas storage levels remained above historical ranges throughout the injection season (April through October).

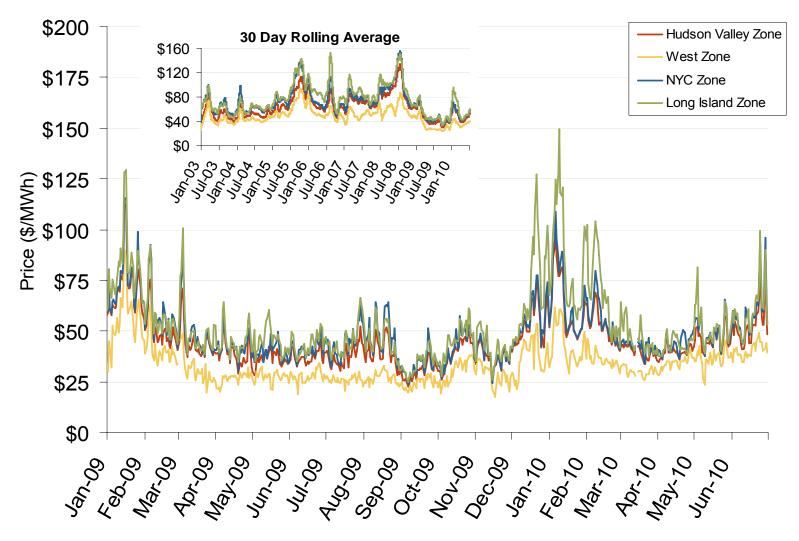
Annual Average Bilateral Prices

Annual Average Day Ahead On Peak Prices	(\$/MWh)					
	2005	2006	2007	2008	2009	5-Year Avg
Mass Hub	\$89.87	\$69.85	\$77.39	\$91.55	\$46.24	\$74.97
Ny Zone G	\$92.46	\$75.95	\$83.51	\$100.99	\$49.80	\$80.53
NY Zone J	\$110.03	\$85.96	\$94.15	\$112.63	\$55.77	\$91.69
NY Zone A	\$76.04	\$58.70	\$64.02	\$68.34	\$35.54	\$60.51
PJM West	\$76.64	\$61.90	\$71.15	\$83.70	\$44.60	\$67.59

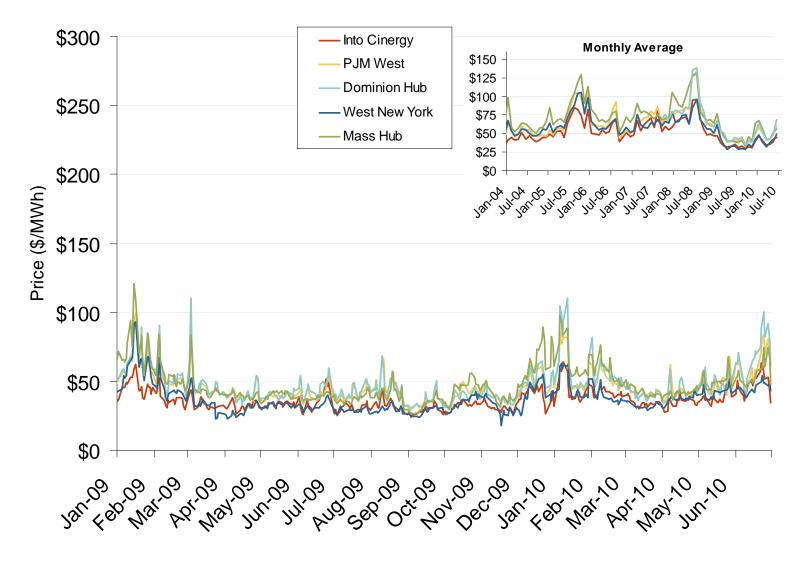
Daily Average of NYISO Day-Ahead Prices - All Hours



Daily Average of NYISO Day-Ahead Prices - All Hours



Eastern Daily Bilateral Day-Ahead On-Peak Prices

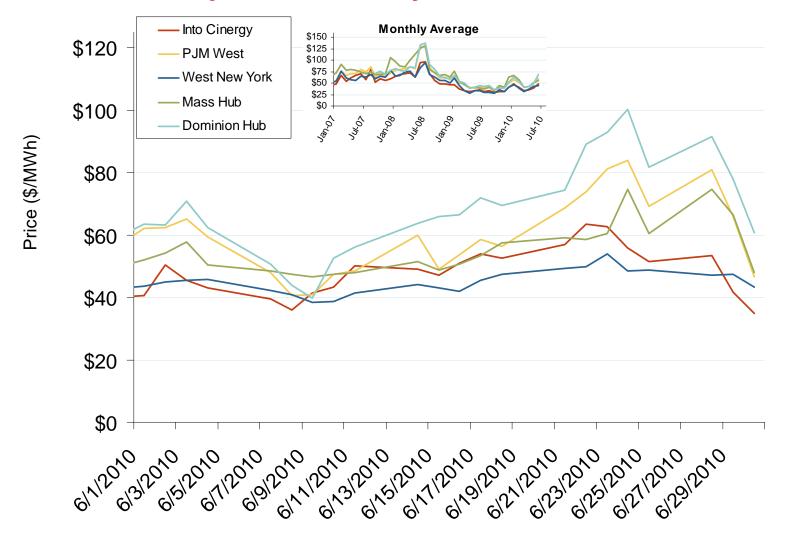


Source: Derived from Platts data.

New York Electric Market: Last Month's Eastern Bilateral Prices

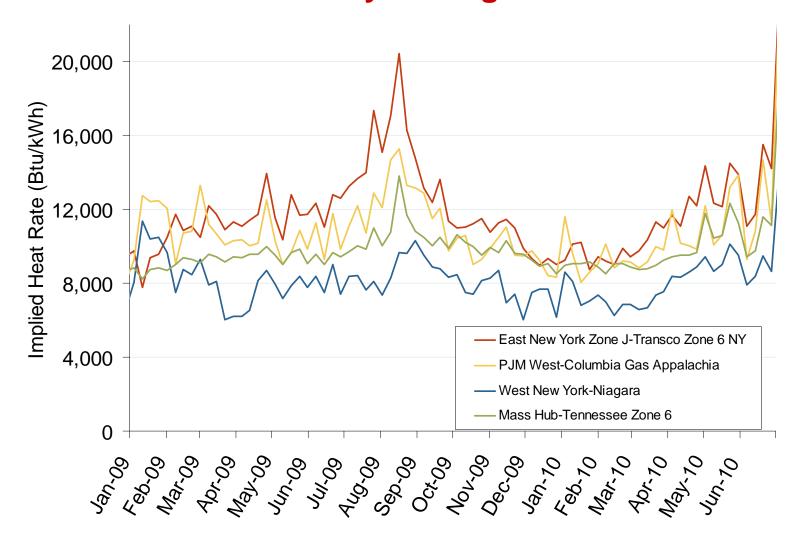
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Eastern Daily Bilateral Day-Ahead On-Peak Prices



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Implied Heat Rates at Eastern Trading Points Weekly Averages



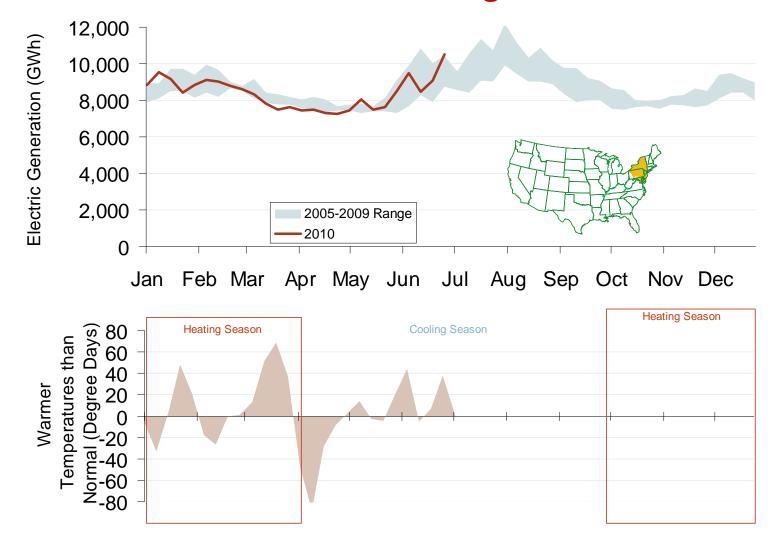
Source: Derived from Platts on-peak electric and natural gas price data.

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New York Electric Market: Generation Output and Temperatures

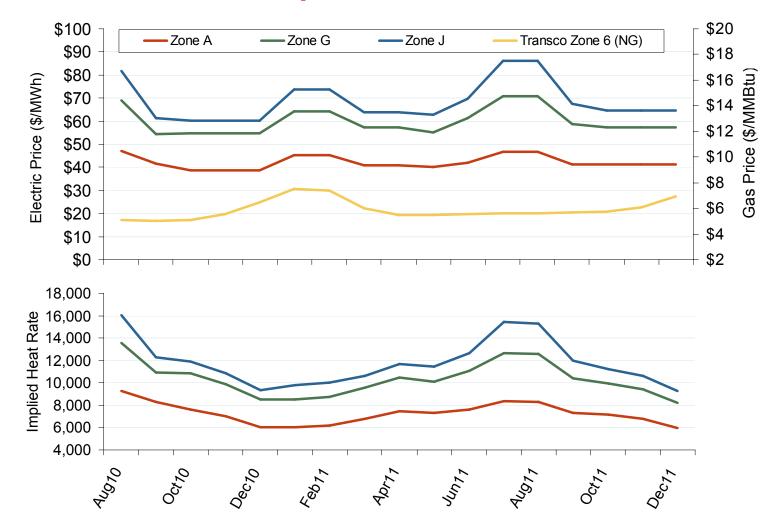
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Weekly Electric Generation Output and Temperatures Mid Atlantic Region



Source: Derived from EEI and NOAA data.

New York Electric Forward Price Curves and Implied Heat Rates

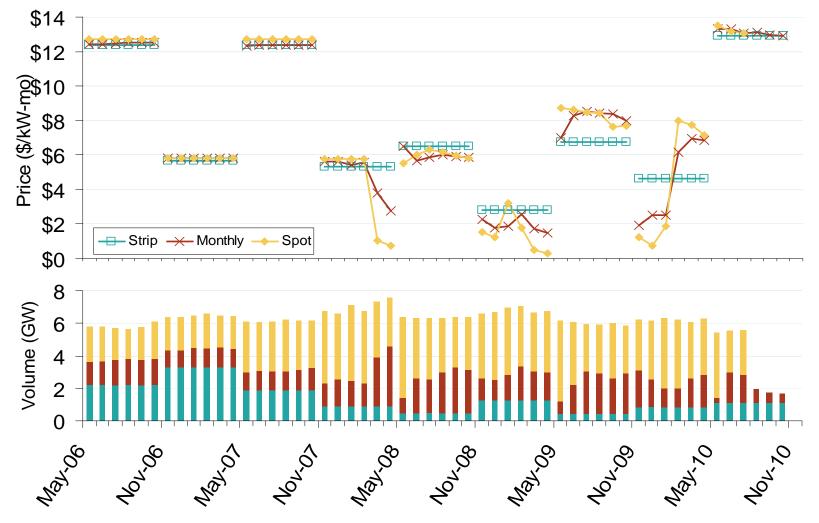


Source: Derived from *Nymex* data.

New York Electric Market: New York City Capacity Markets

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Weighted Average ICAP Clearing Prices and Volumes: New York City



Source: Derived from NYISO data.

New York Electric Market: Long Island Capacity Markets

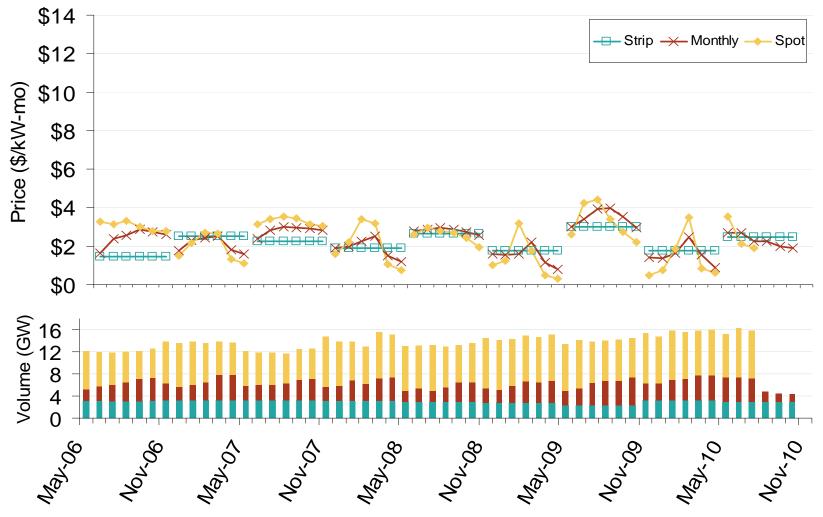
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Weighted Average ICAP Clearing Prices and Volumes: Long Island



Source: Derived from NYISO data.

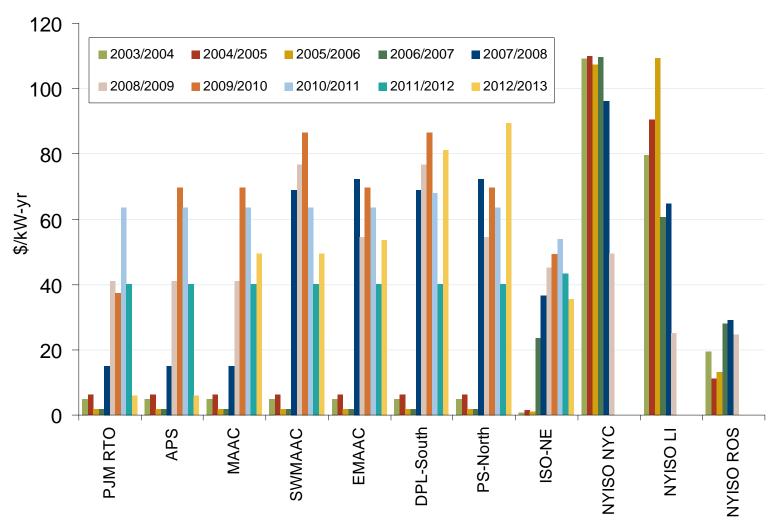
Weighted Average ICAP Clearing Prices and Volumes: Rest of New York State



Source: Derived from NYISO data.

1034

PJM, NYISO and ISO-NE Capacity Auction Prices



Note: PJM values are for Base Residual Auctions only.

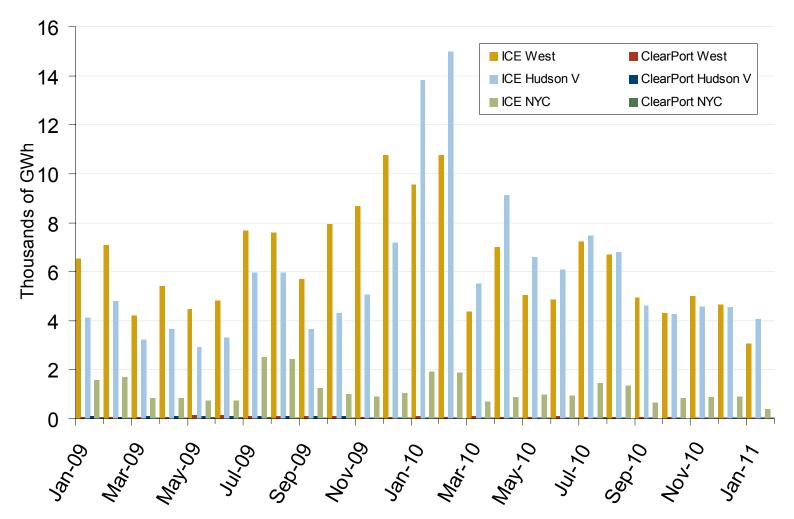
ISO-NE results are based on preliminary FCM auction before pro-rationing and EAS adjustment.

Source: Derived from PJM, NYISO and ISO-NE data

New York Electric Market: Financial Market Volumes

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Various New York Swap Volumes



Source: Derived from ICE and Nymex ClearPort data. ICE on-peak swaps (financial) volume are for zones A, G and J and include monthly, dual monthly, quarterly, and calendar year contracts traded for each month. Nymex ClearPort on-peak swaps (financial) volume are for zones A, G and J and are traded by month.