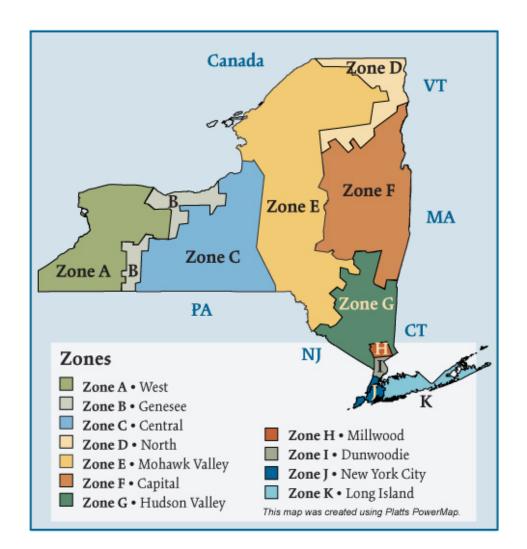
New York (NYISO) Electric Regions



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

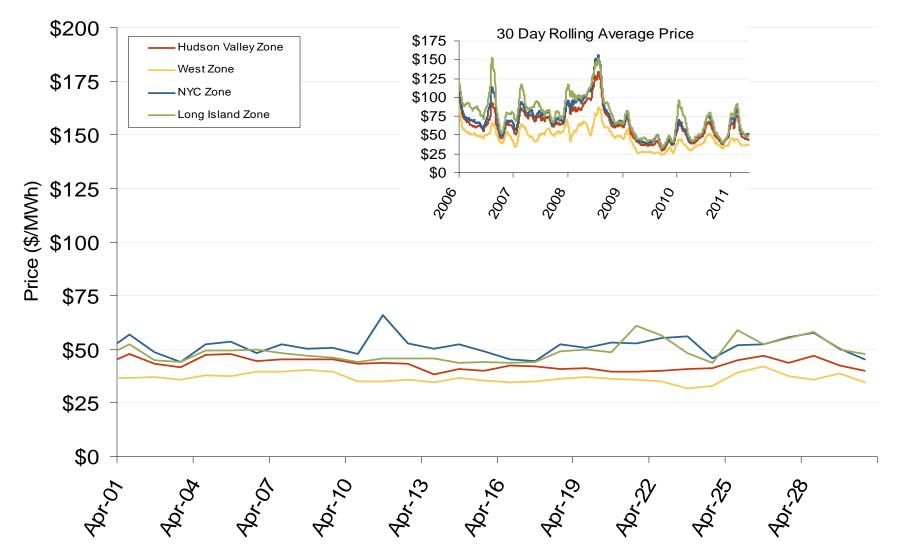
Zone J New York City 2004: \$63.16/MWh 2005: \$93.77/MWh 2006: \$70.90/MWh

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).

Daily Average of NYISO Day-Ahead Prices - All Hours

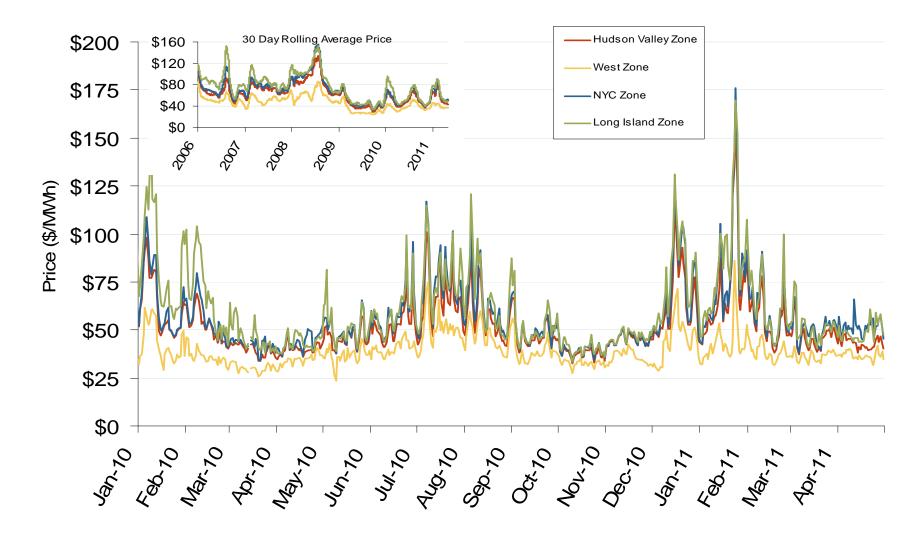


Source: Derived from Bloomberg data.

New York Electric Market: RTO Prices

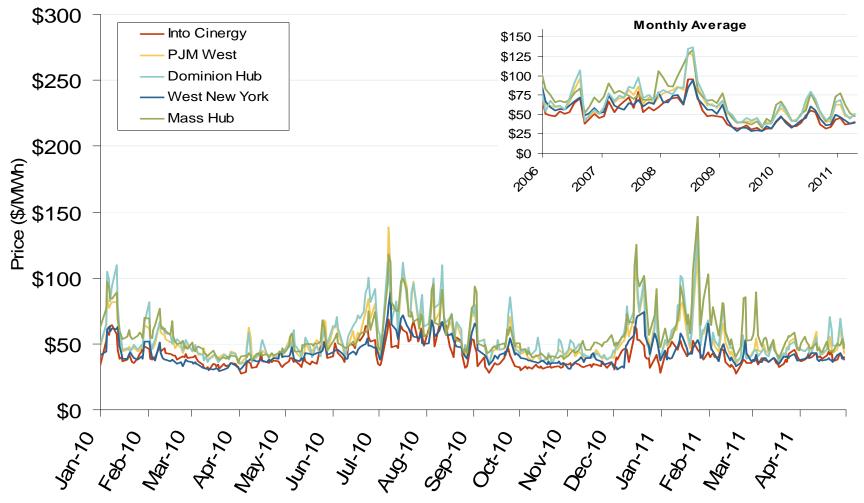
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Daily Average of NYISO Day-Ahead Prices - All Hours



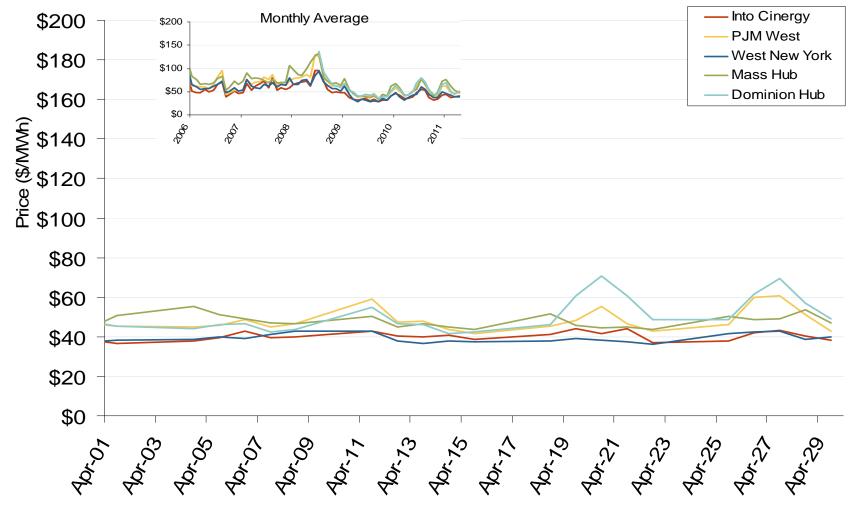
Source: Derived from *Bloomberg* data.

Eastern Daily Bilateral Day-Ahead On-Peak Prices



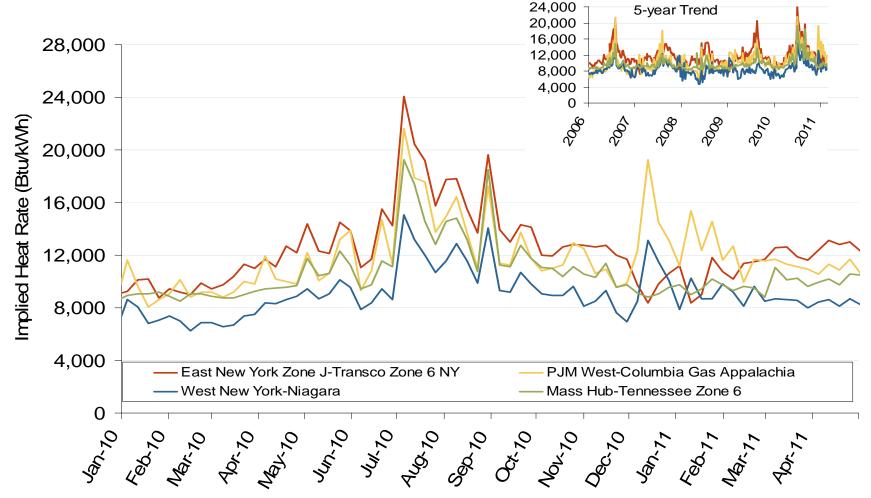
Source: Derived from *Platts* data.

Eastern Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from Platts data.

Implied Heat Rates at Eastern Trading Points Weekly Averages

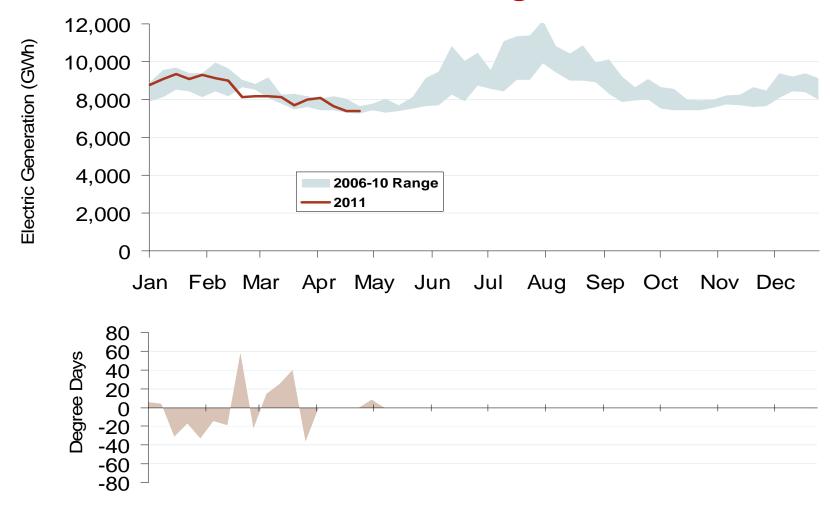


Source: Derived from Platts on-peak electric and natural gas price data.

New York Electric Market: Generation Output and Temperatures

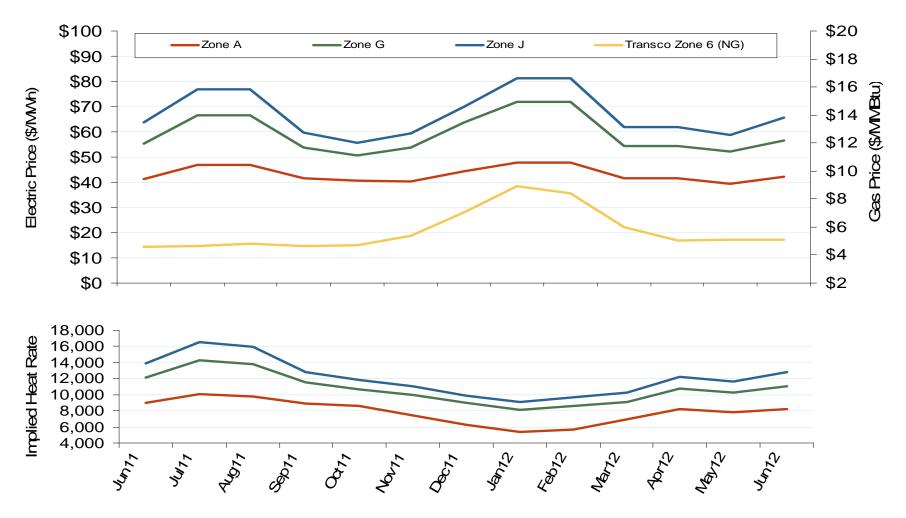
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Weekly Electric Generation Output and Temperatures Mid Atlantic Region



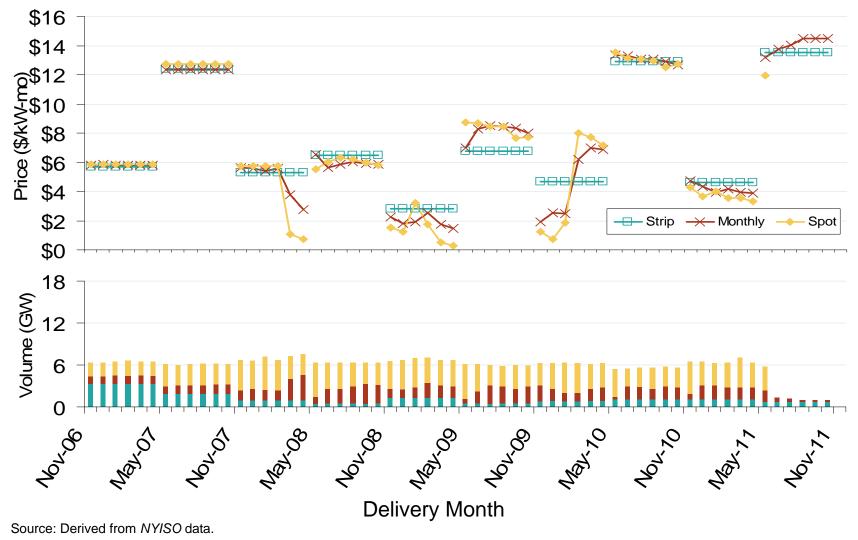
Source: Derived from *EEI* and *NOAA* data.

New York Electric Forward Price Curves and Implied Heat Rates

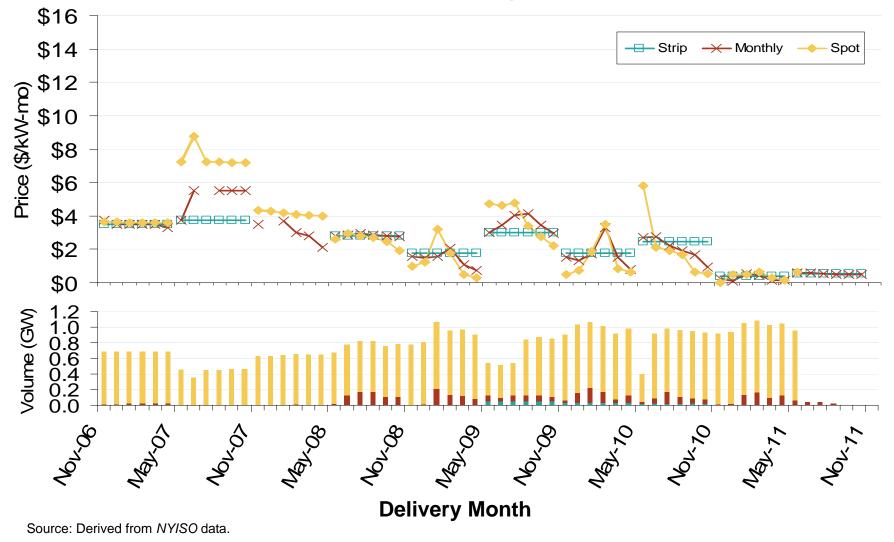


Source: Derived from Nymex data.

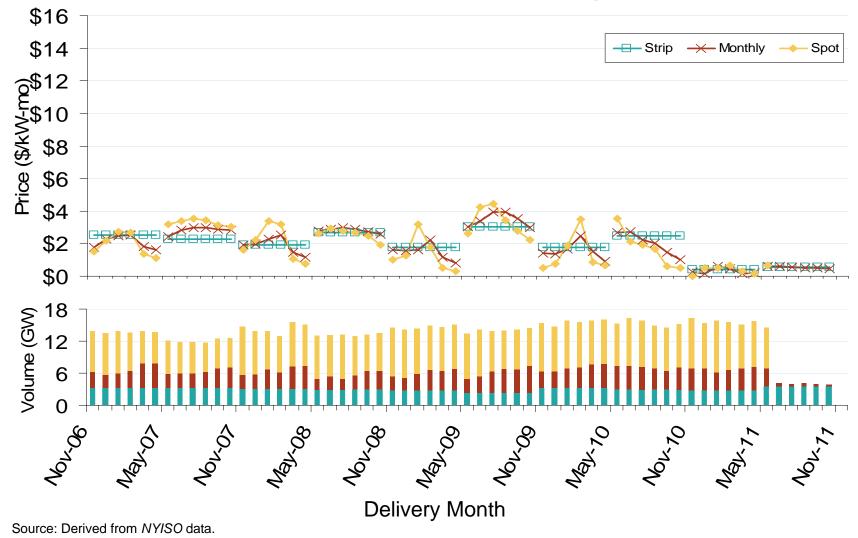
Weighted Average ICAP Clearing Prices and Volumes: New York City



Weighted Average ICAP Clearing Prices and Volumes: Long Island

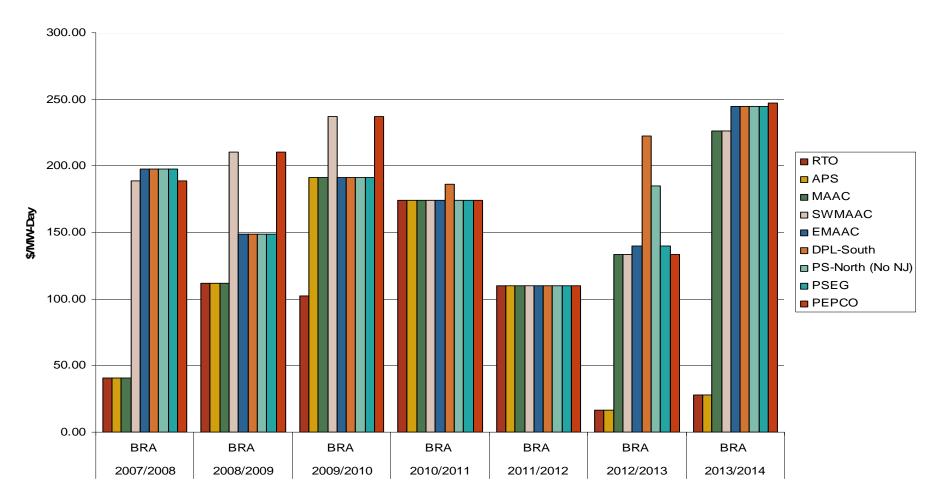


Weighted Average ICAP Clearing Prices and Volumes: New York State, excluding New York City



PJM, NYISO and ISO-NE Capacity Auction Prices

RPM Auction Clearing Prices by Locational Delivery Area (LDA)



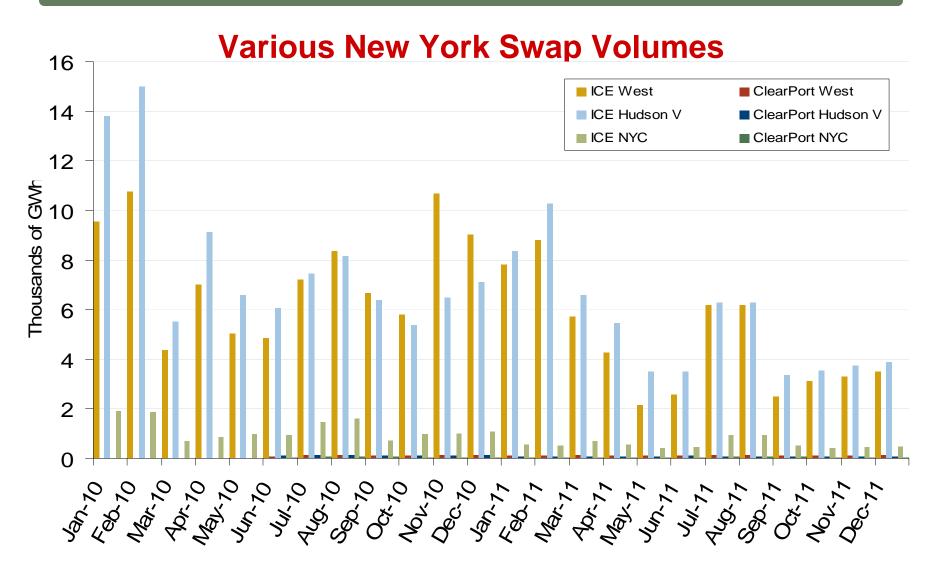
Note: PJM values are for Base Residual Auctions only.

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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Source: Derived from ICE and Nymex ClearPort data.

Note: *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.