

# OE ENERGY MARKET SNAPSHOT

## Northeast States Version

---

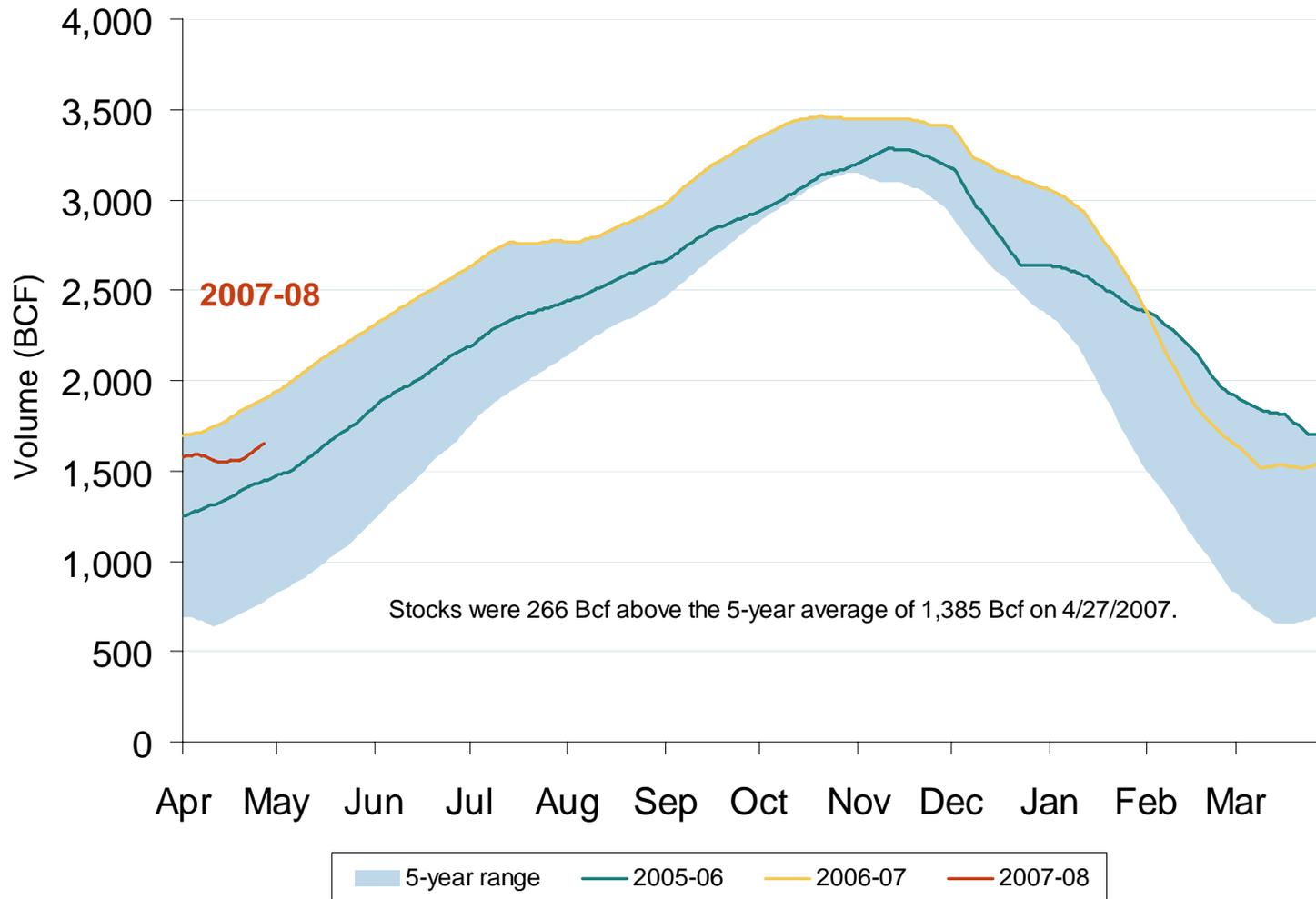
- **Market Fundamentals**
- **Prices and Market Analysis**

Office of Enforcement  
Federal Energy Regulatory Commission  
May 2007



# Market Fundamentals

## Total U.S. Working Gas in Storage

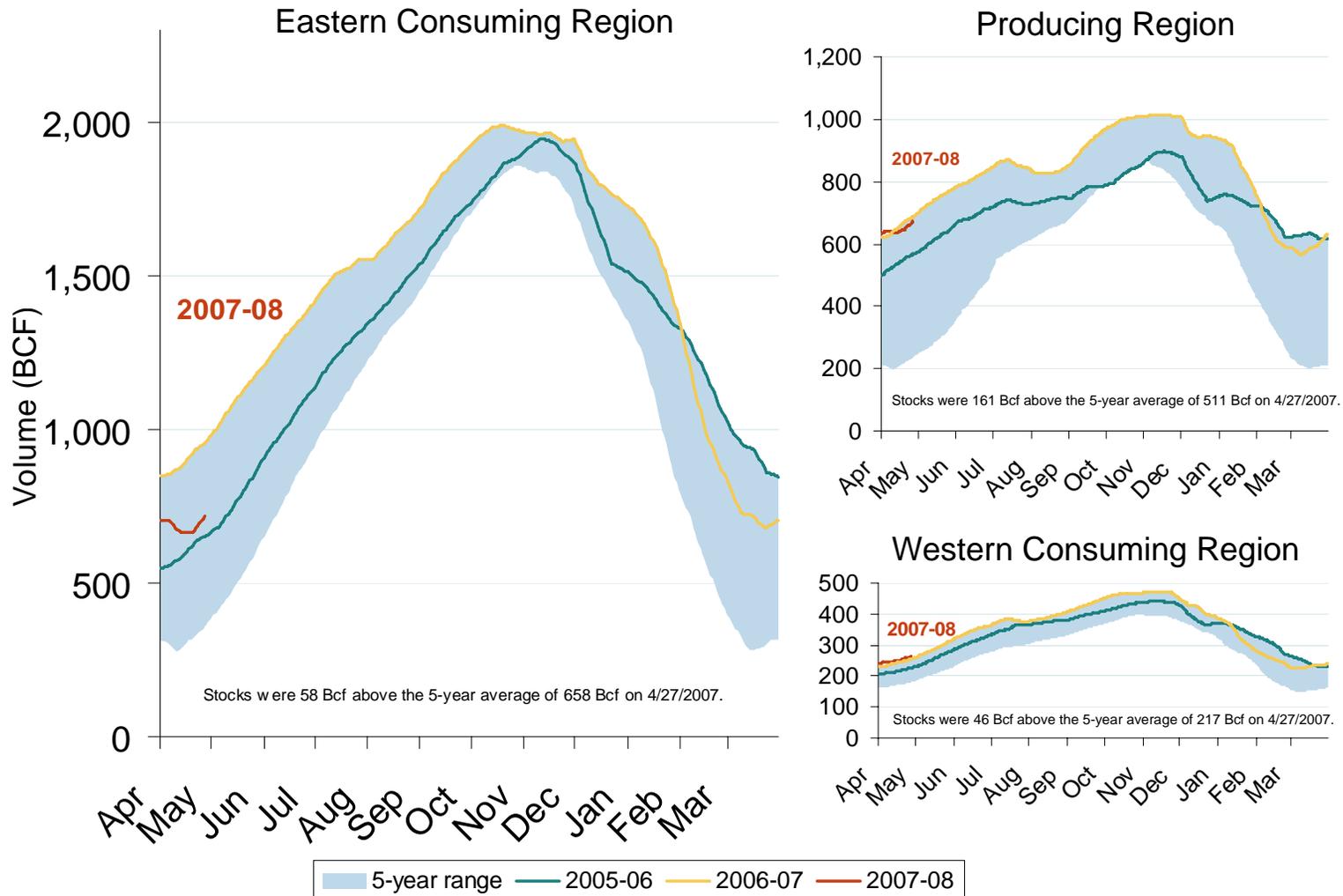


Source: Derived from EIA data.

Updated May 4, 2007

2003

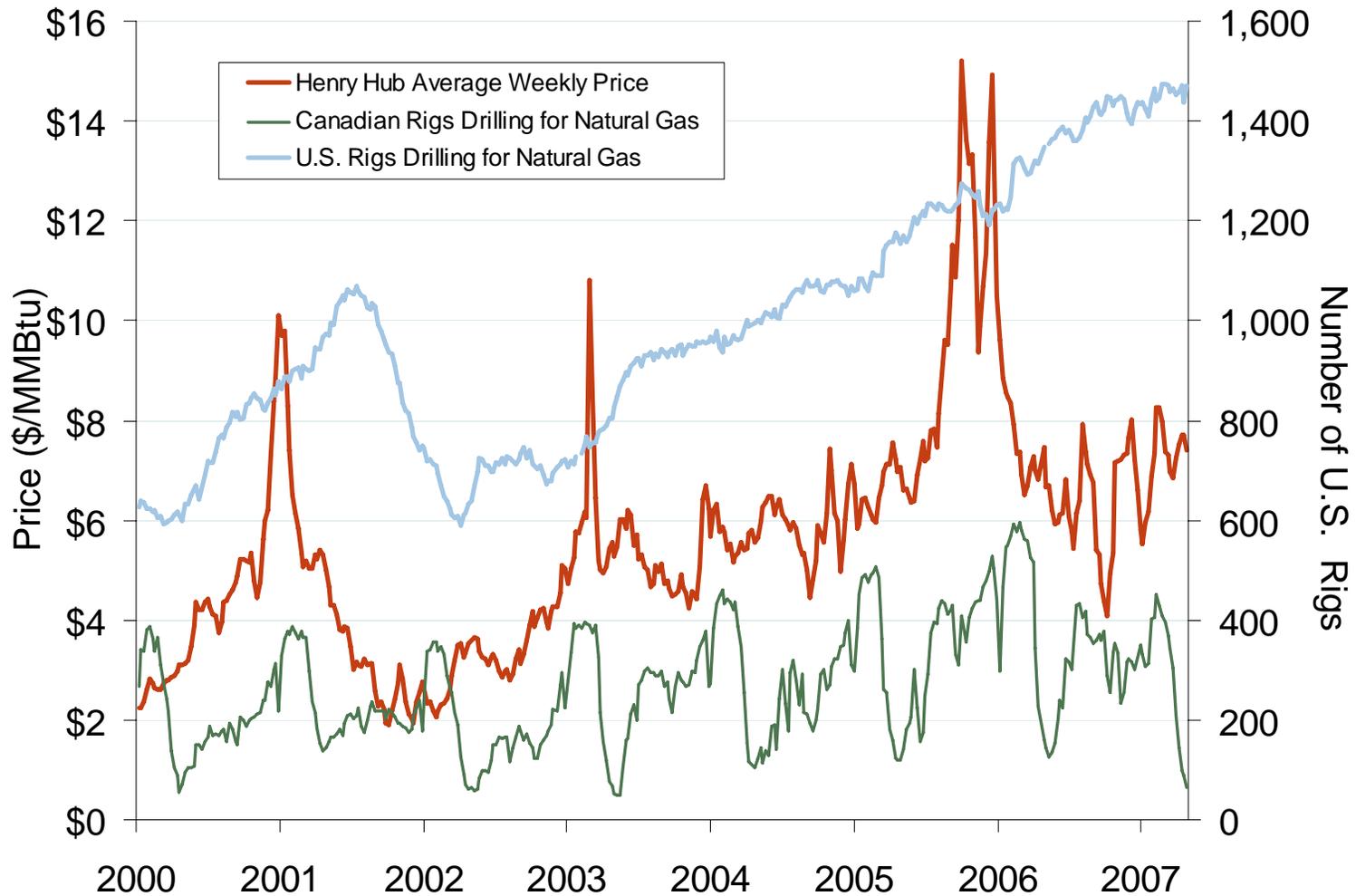
## Regional Totals of Working Gas in Storage



Source: Derived from EIA data.

Updated May 4, 2007

## U.S. and Canadian Natural Gas Drilling Rig Count and Daily Spot Prices

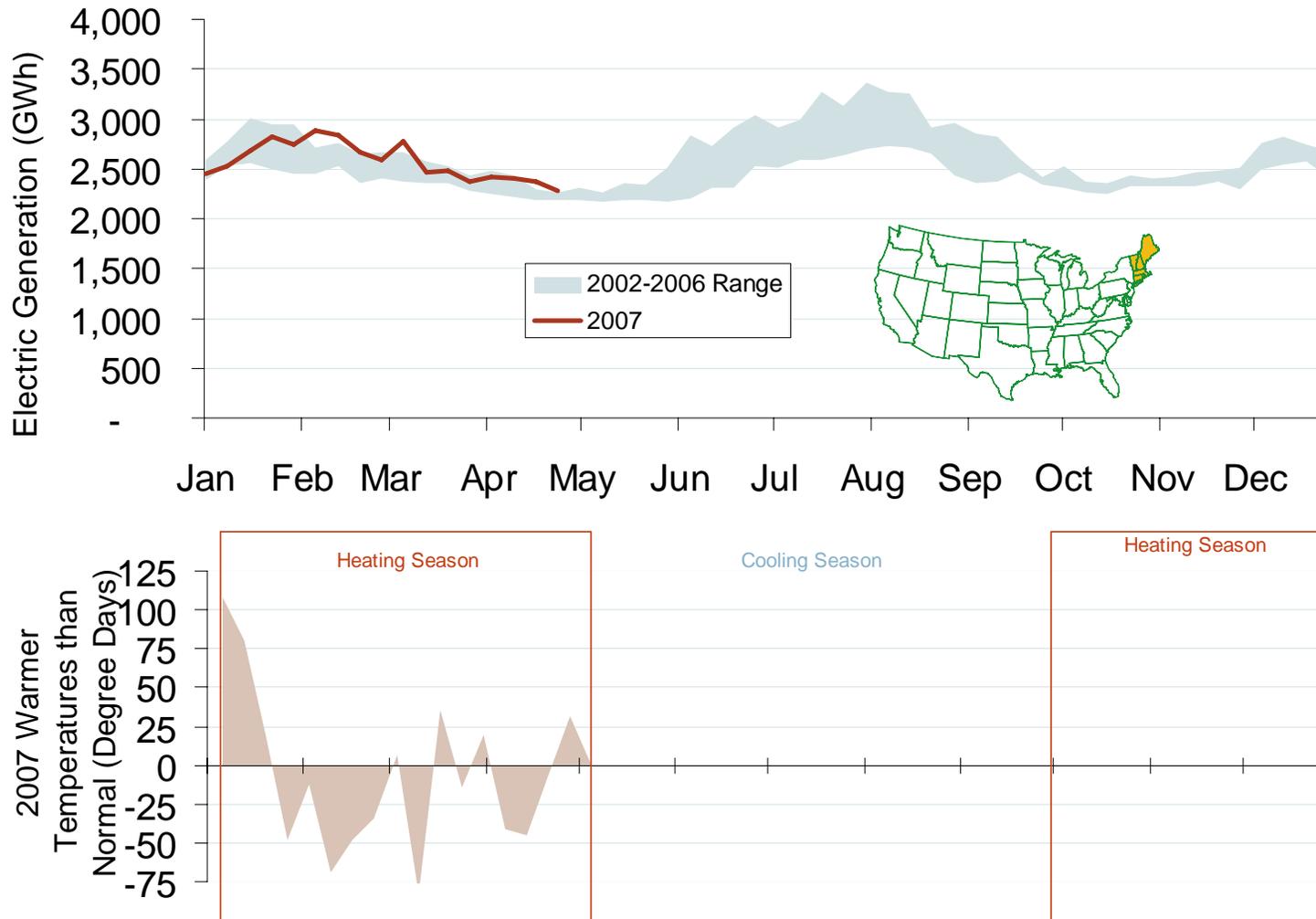


Source: Derived from *Platts* and *Baker Hughes* data.

Updated May 4, 2007

2007

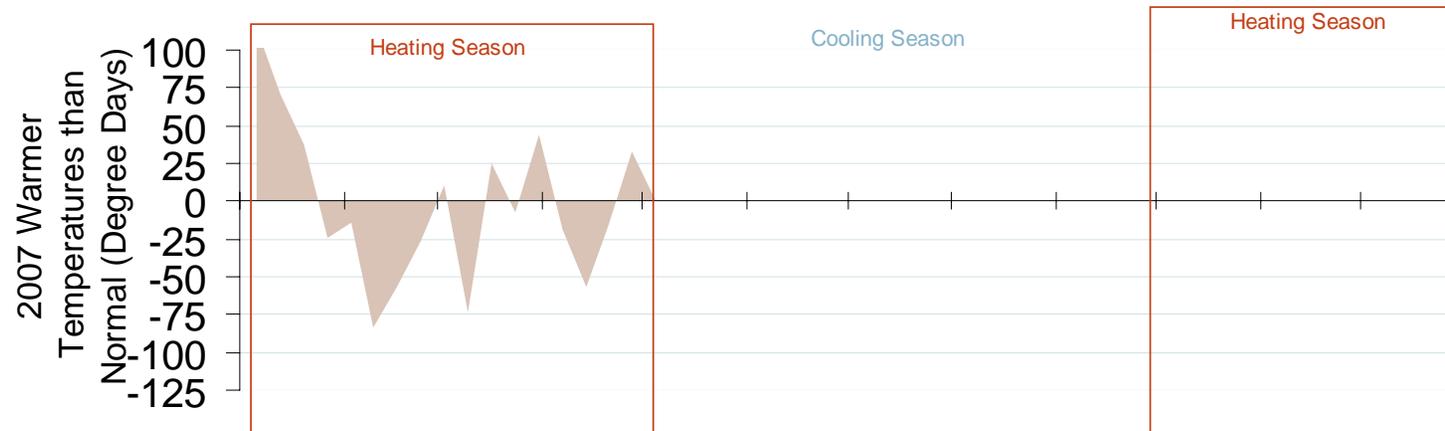
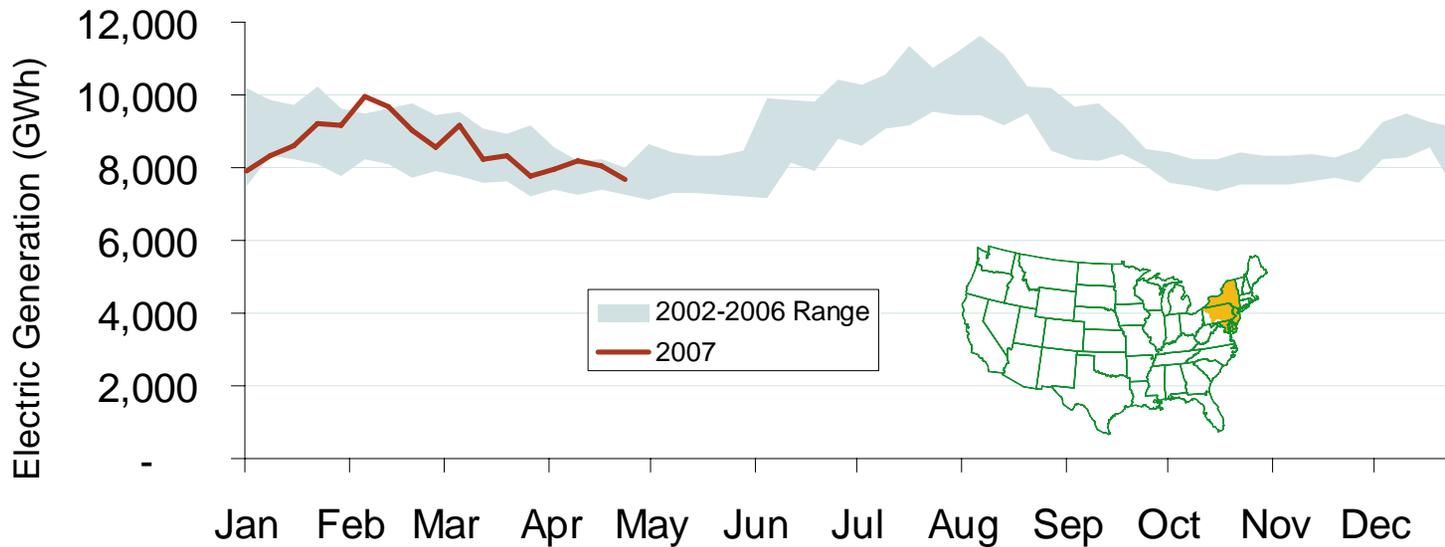
# Weekly Electric Generation Output and Temperatures New England



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

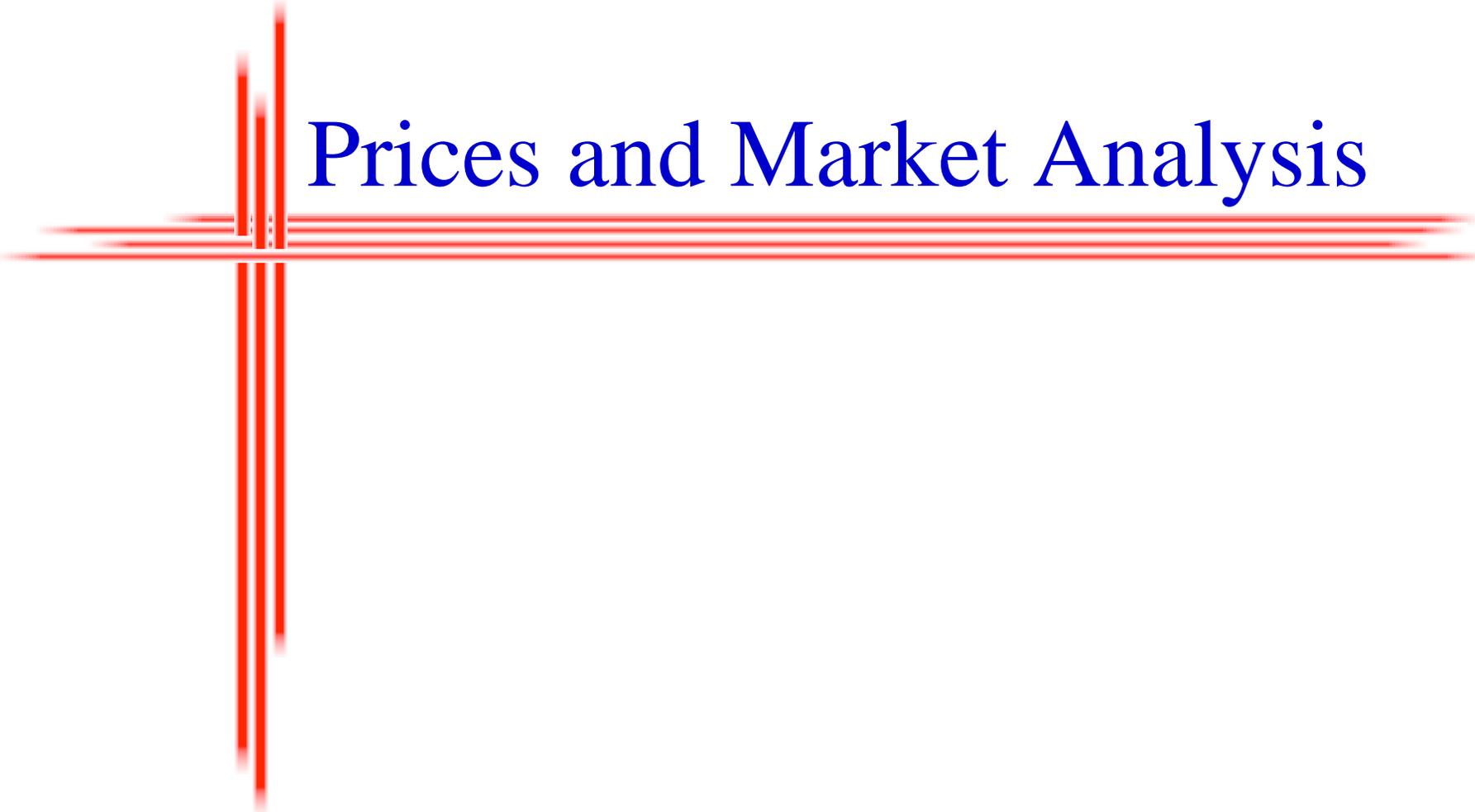
Updated May 4, 2007

# Weekly Electric Generation Output and Temperatures Mid Atlantic Region



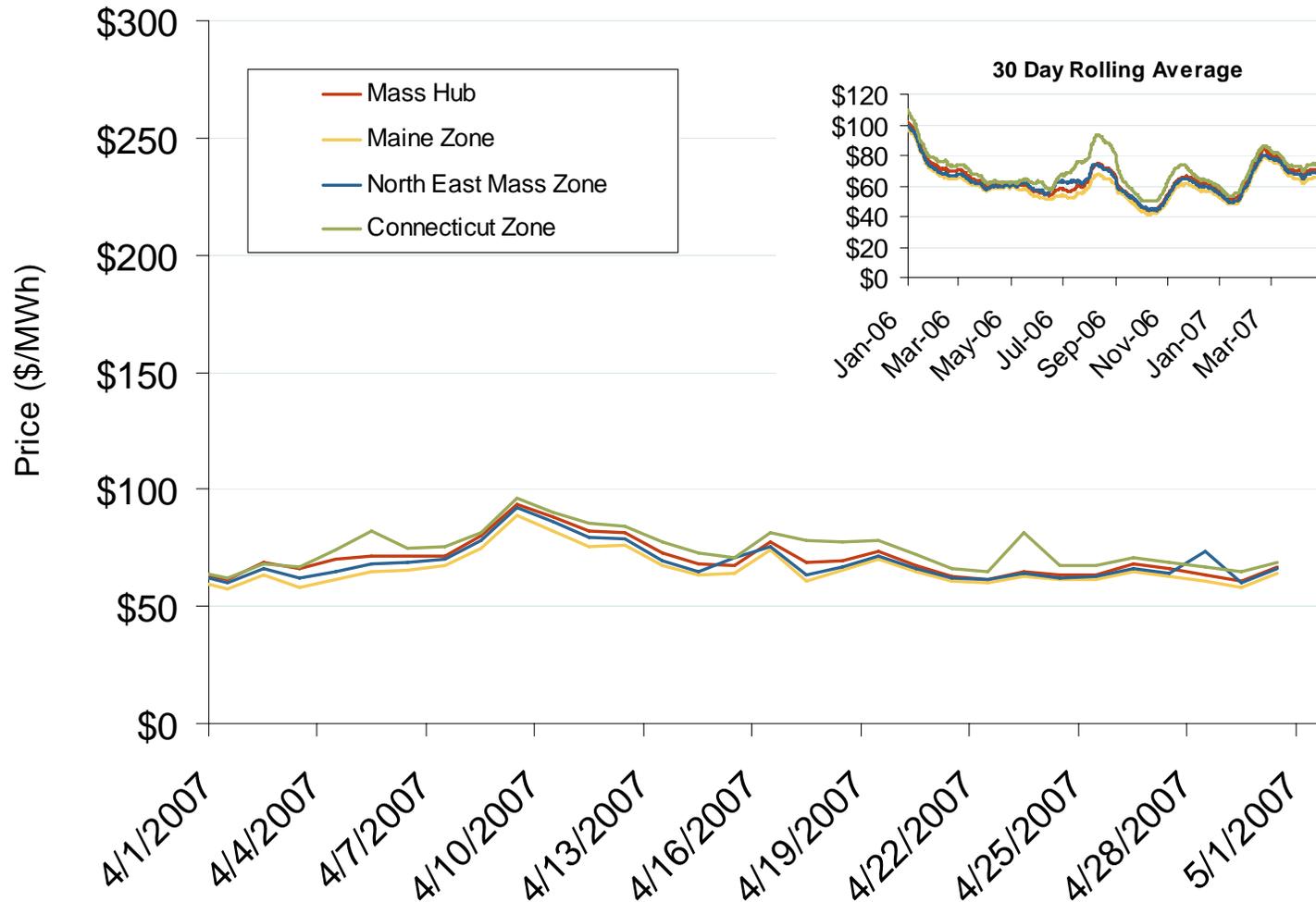
Source: Derived from EEI and NOAA data.

Updated May 4, 2007



# Prices and Market Analysis

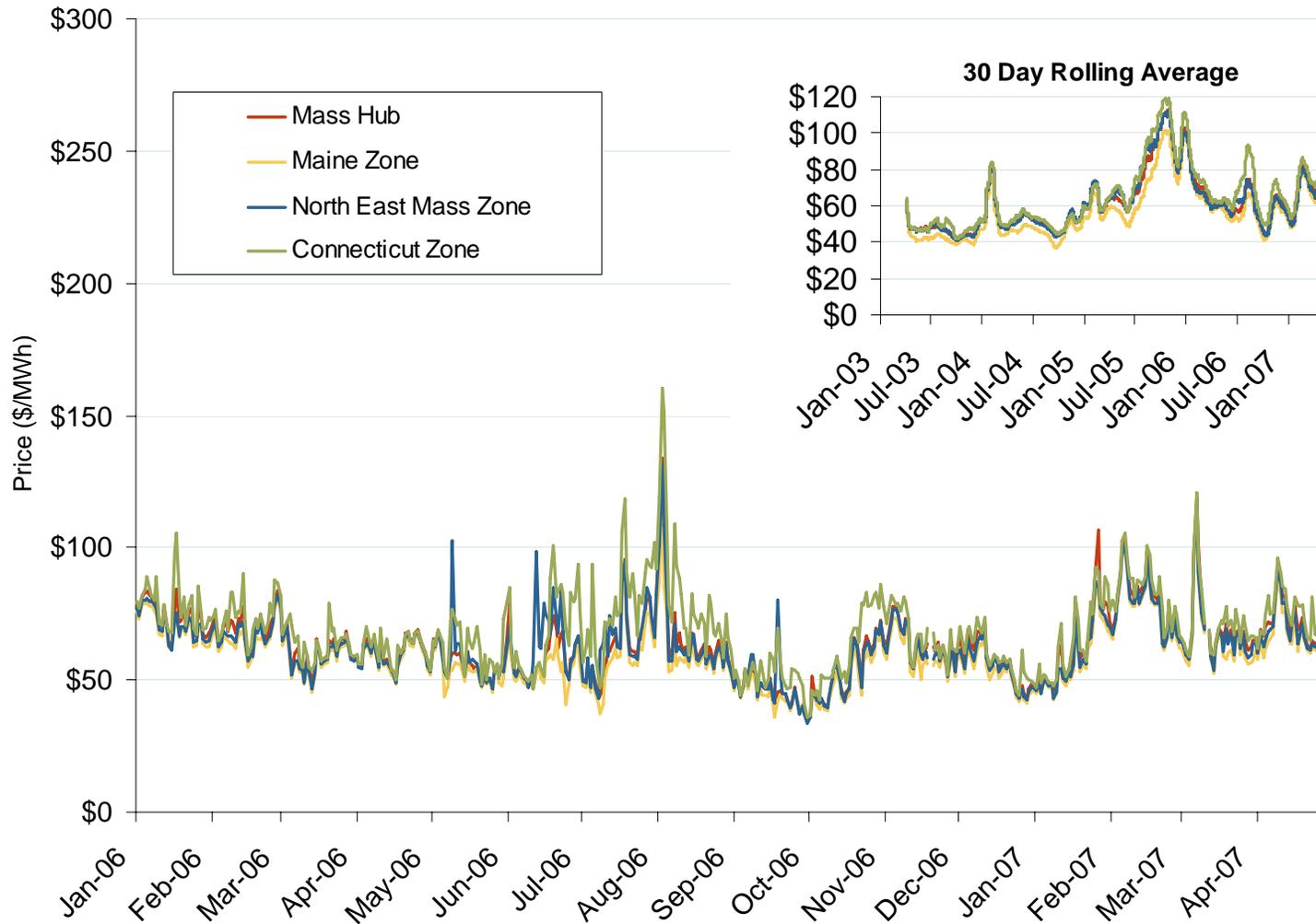
## Daily Average of ISO-NE Day-Ahead Prices - All Hours



Source: Derived from ISO-NE data.

Updated May 4, 2007

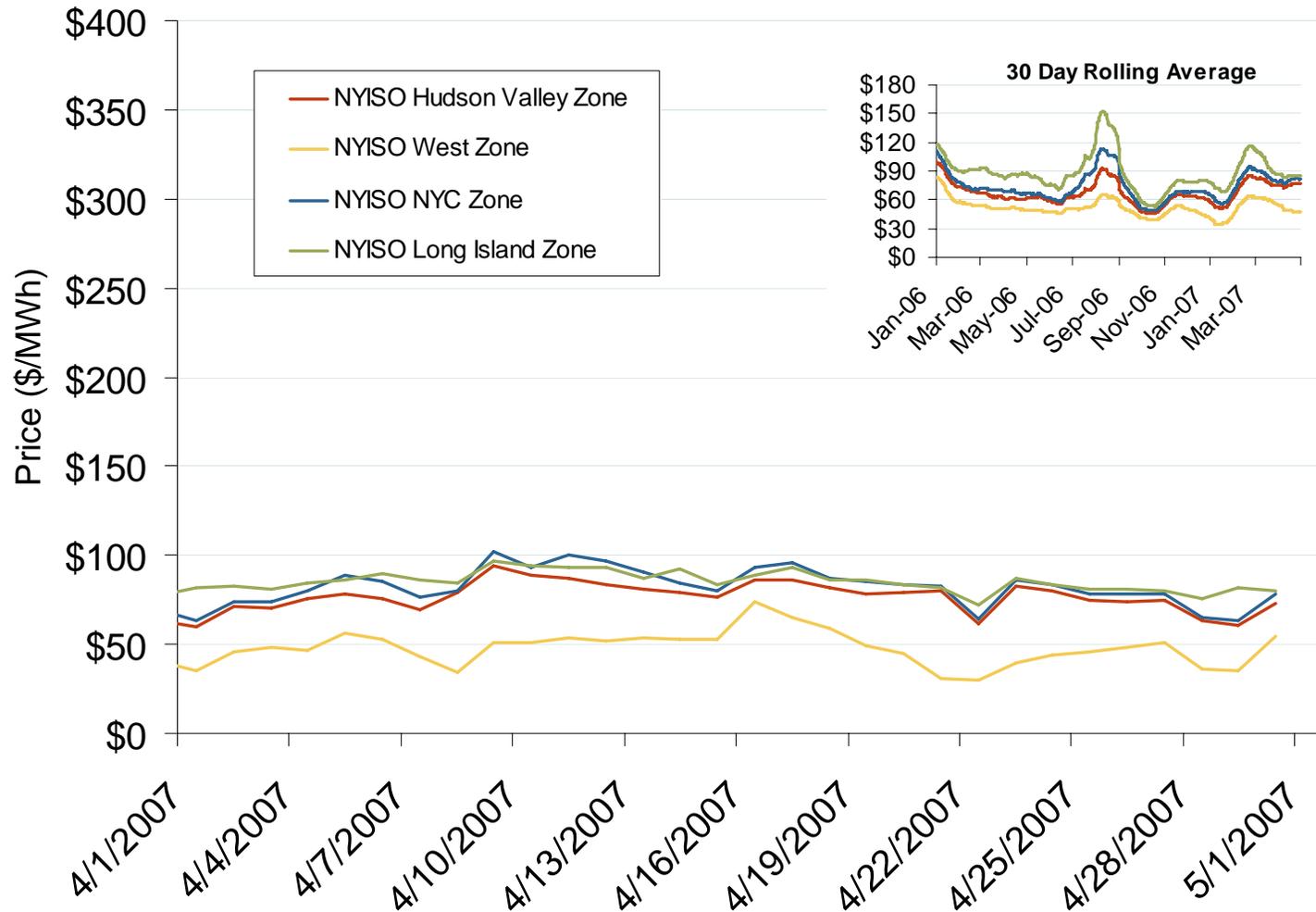
# Daily Average of ISO-NE Day-Ahead Prices - All Hours



Source: Derived from ISO-NE data.

Updated May 4, 2007

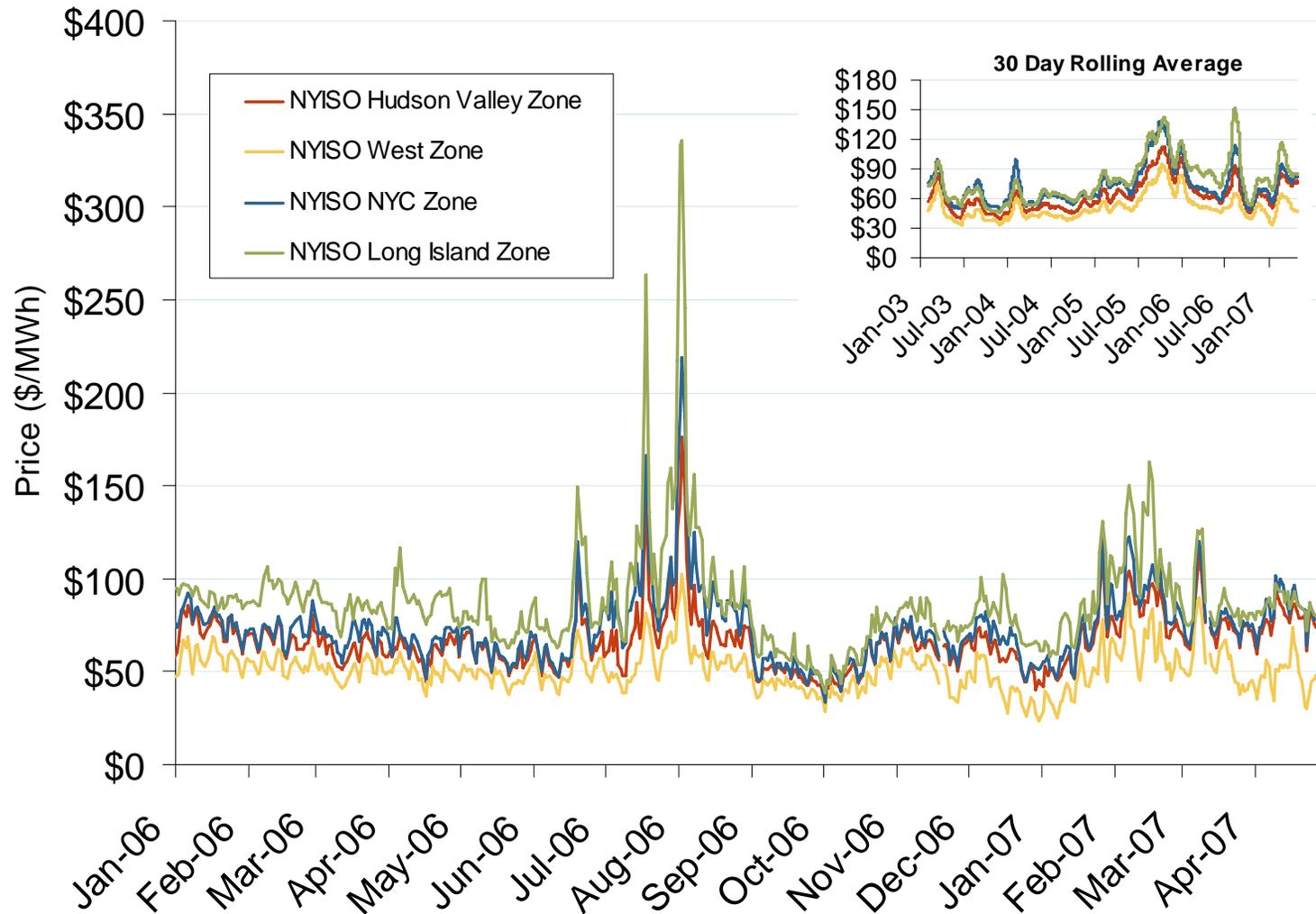
## Daily Average of NYISO Day-Ahead Prices - All Hours



Source: Derived from NYISO data.

Updated May 4, 2007

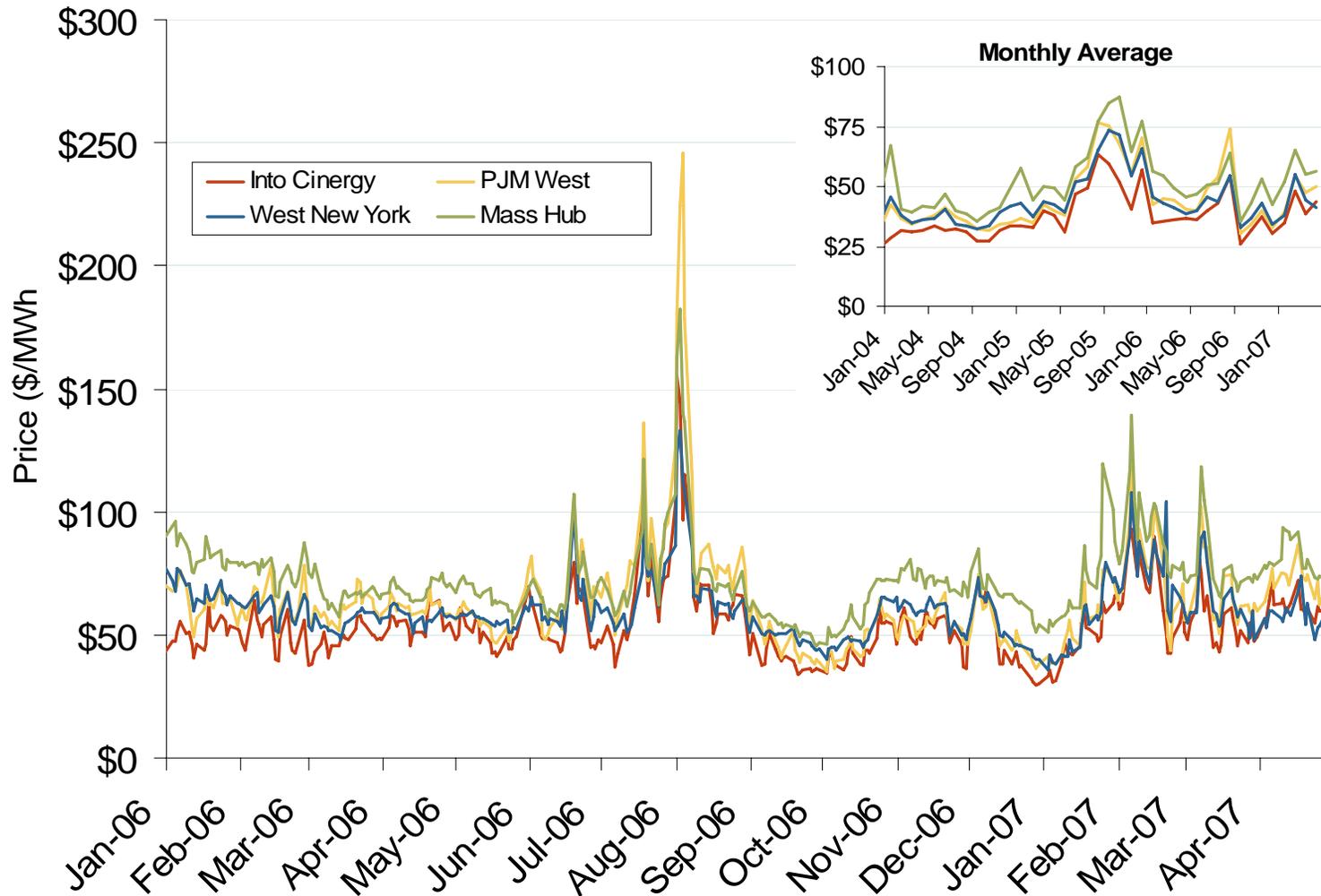
## Daily Average of NYISO Day-Ahead Prices - All Hours



Source: Derived from NYISO data.

Updated May 4, 2007

## Eastern Daily Bilateral Day-Ahead On-Peak Prices

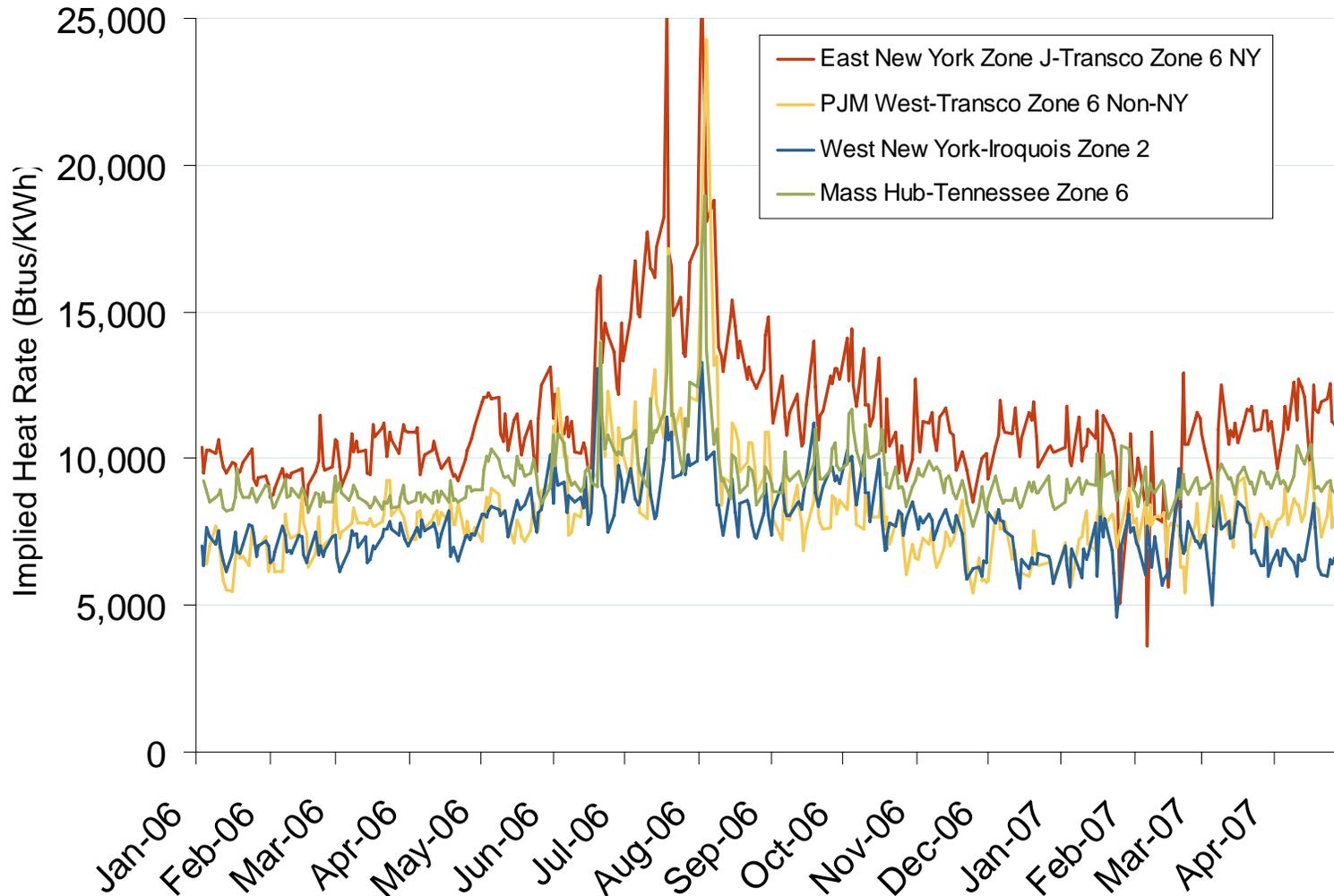


Source: Derived from *Platts* data.

Updated May 4, 2007

1022

## Implied Heatrates at Eastern Trading Points



Source: Derived from *Platts* data

Updated May 4, 2007

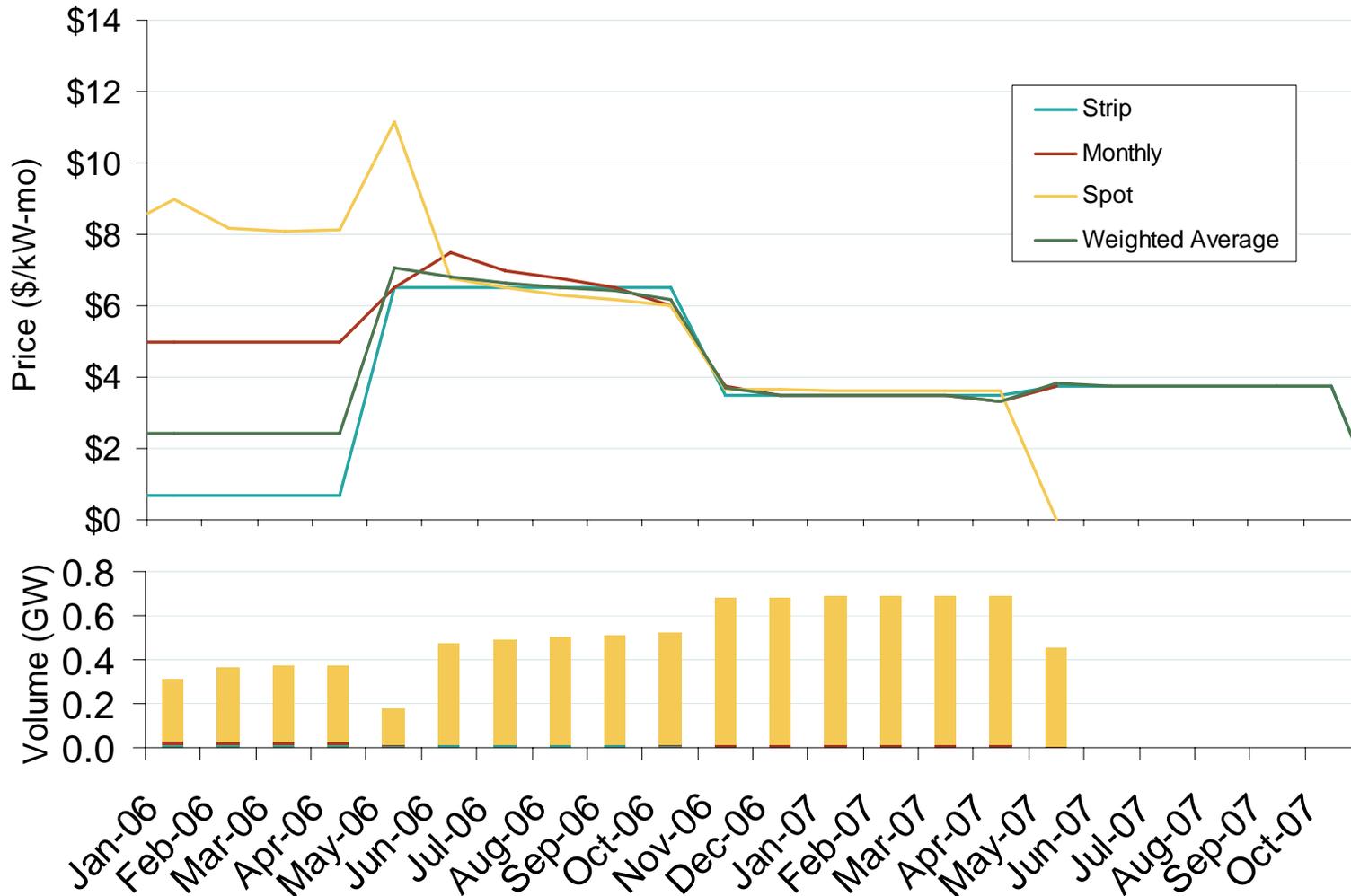
## Weighted Average ICAP Clearing Prices and Volumes: New York City



Source: Derived from NYISO data.

Updated May 11, 2007

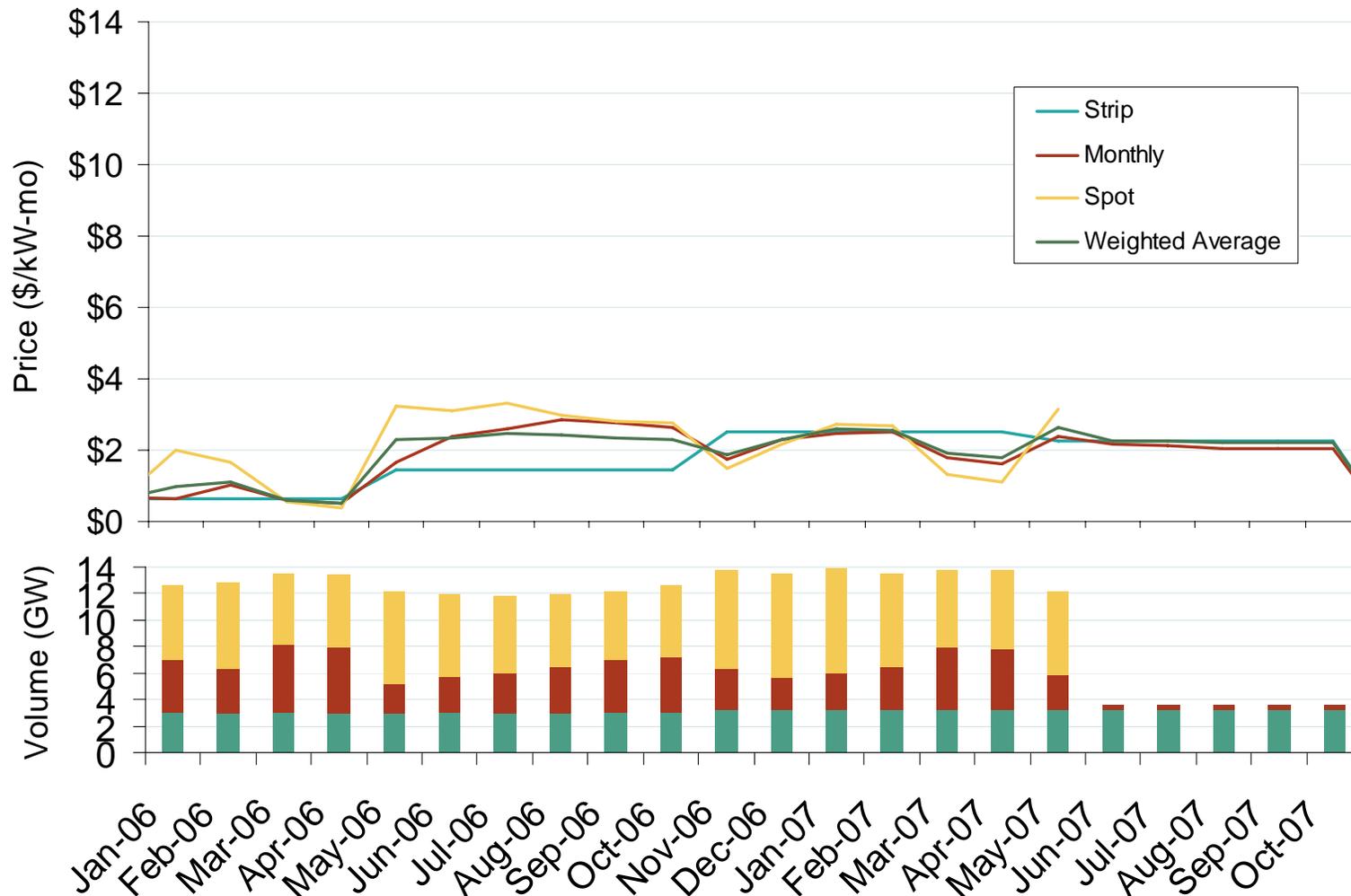
# Weighted Average ICAP Clearing Prices and Volumes: Long Island



Source: Derived from NYISO data.

Updated May 16, 2007

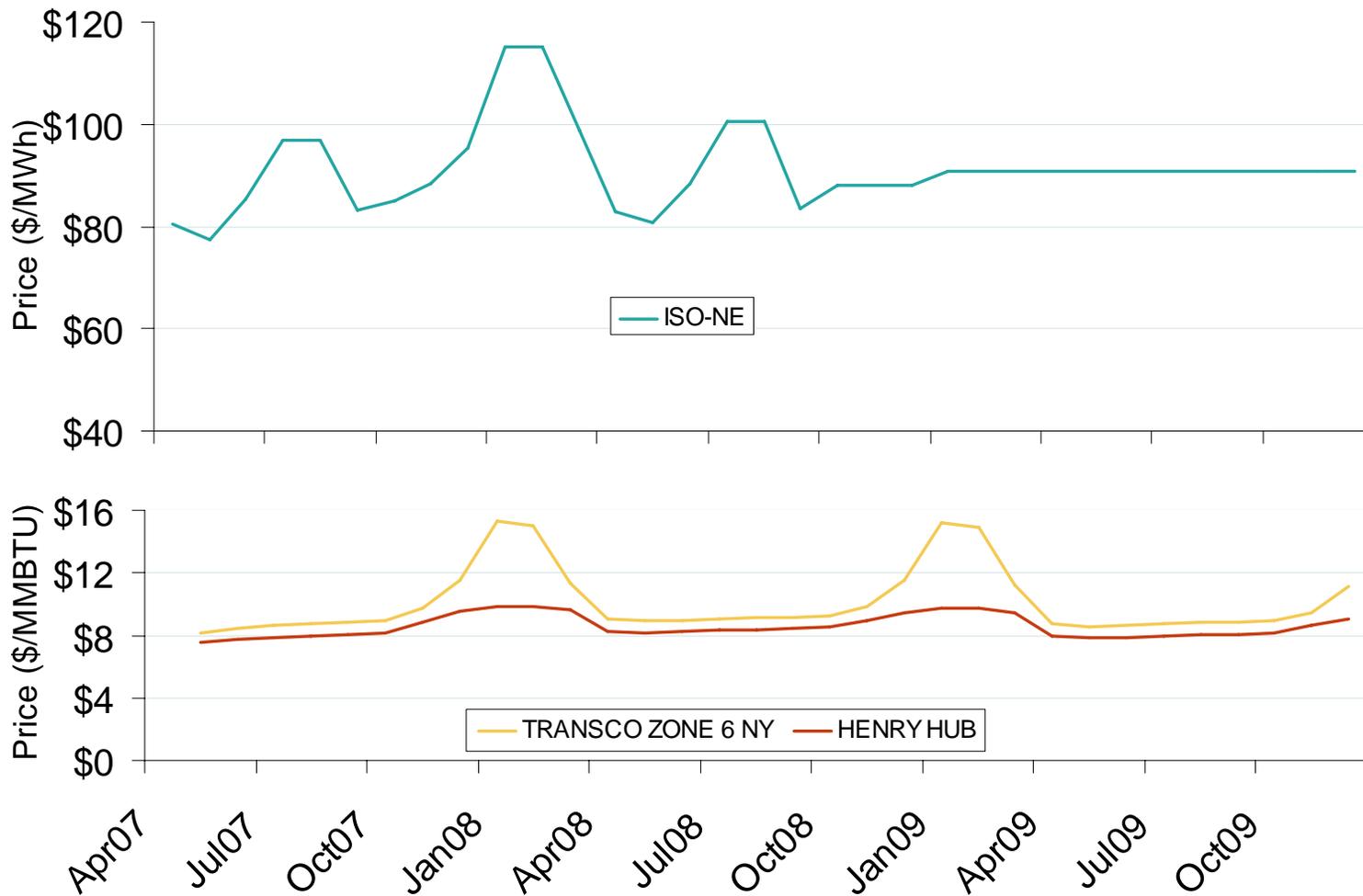
## Weighted Average ICAP Clearing Prices and Volumes: Rest of New York State



Source: Derived from NYISO data.

Updated May 11, 2007

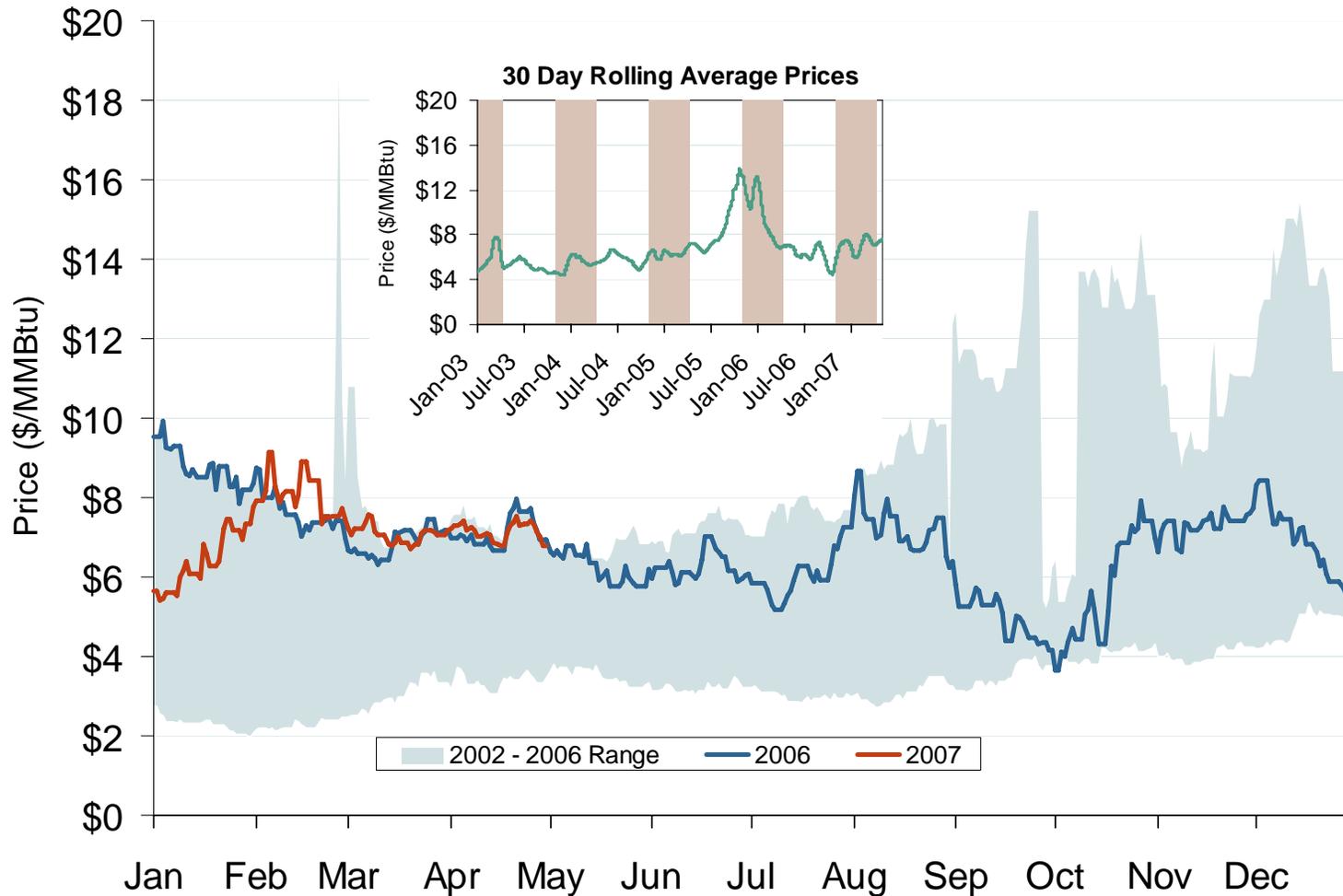
## New England Electric Forward Price Curve and New York and Henry Hub Natural Gas Forward Curves



Source: Derived from Nymex data.

Updated May 4, 2007

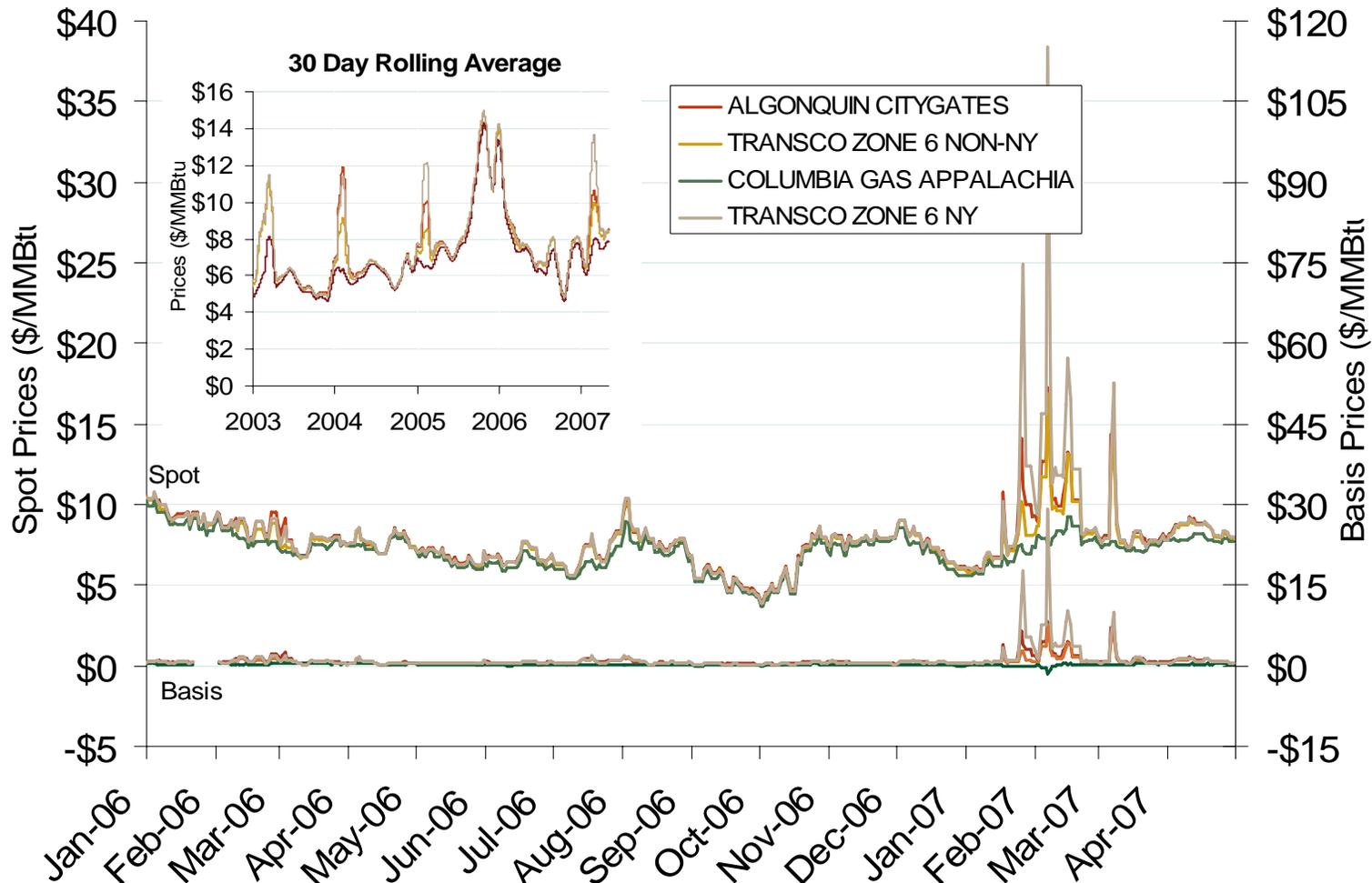
## Henry Hub Natural Gas Daily Spot Prices 2006, 2007 and 2002-2006 Year Range



Source: Derived from *Platts* data.

Updated May 4, 2007

# Northeastern Day-ahead Hub Spot Prices and Basis

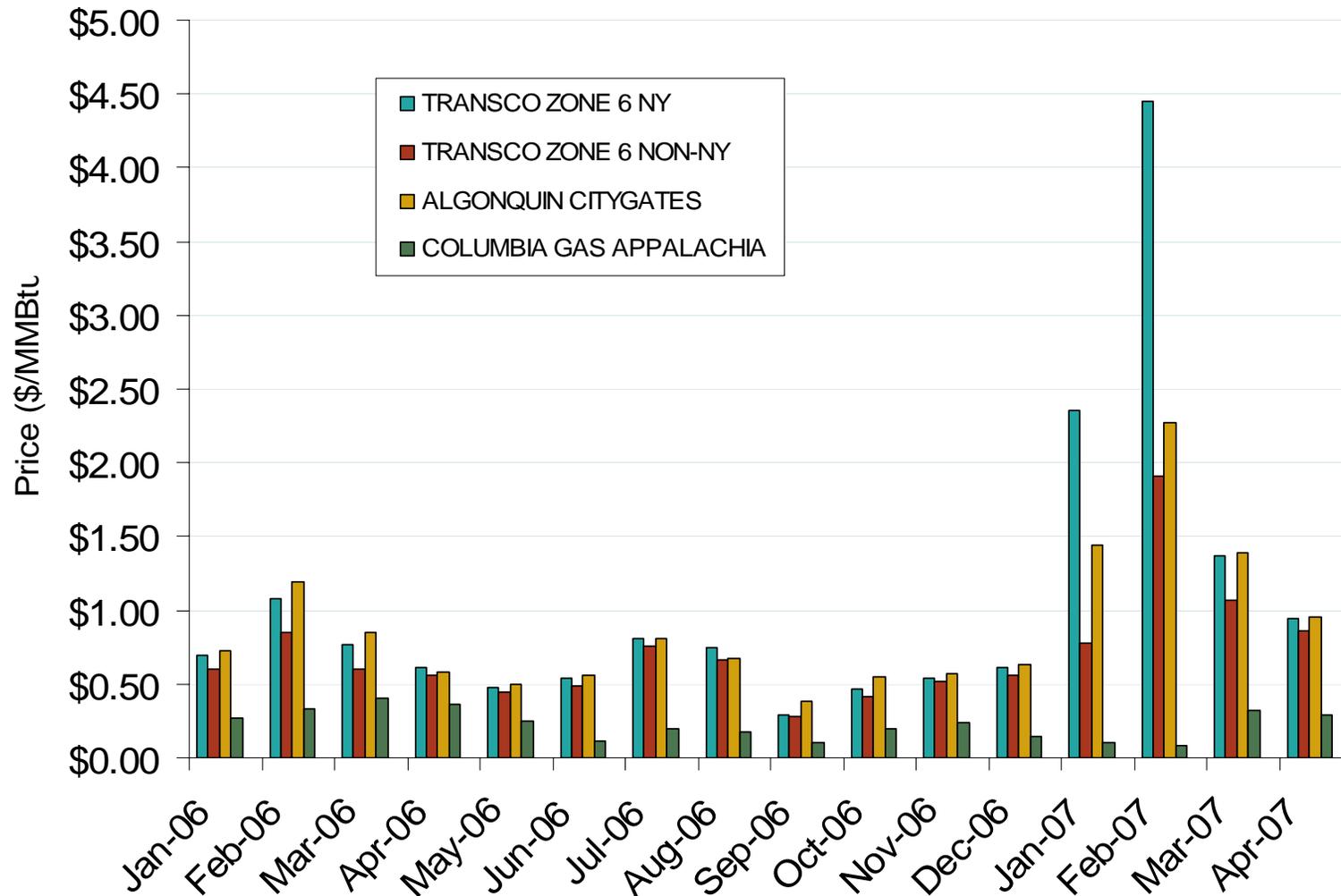


Source: Derived from *Platts* data.

Updated May 4, 2007

2030

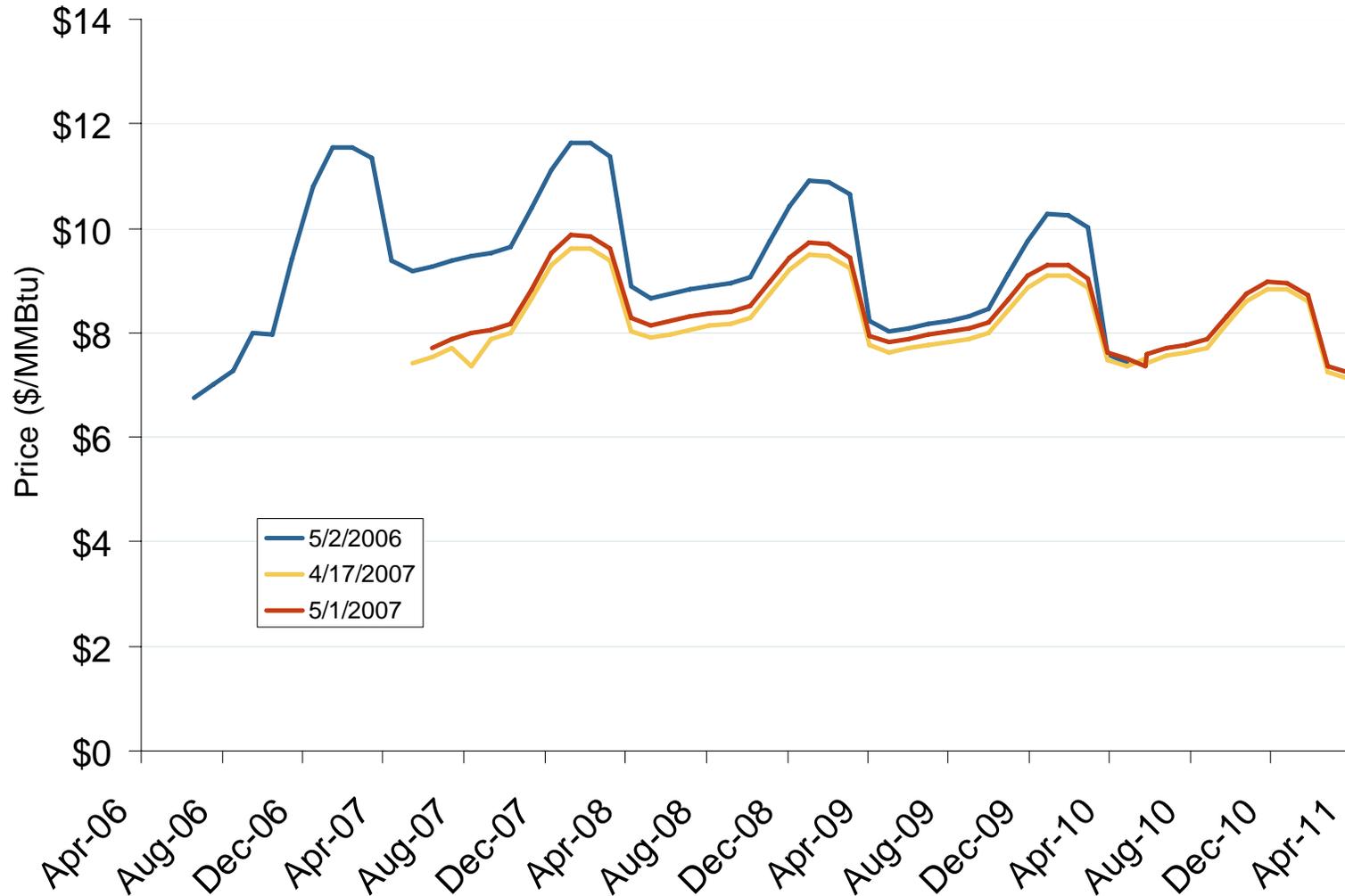
## Northeastern Monthly Average Basis Value to Henry Hub



Source: Derived from *Platts* data.

Updated May 4, 2007

## NYMEX Natural Gas Forward Price Curve



Source: Derived from NYMEX data.

Updated May 4, 2007

2009

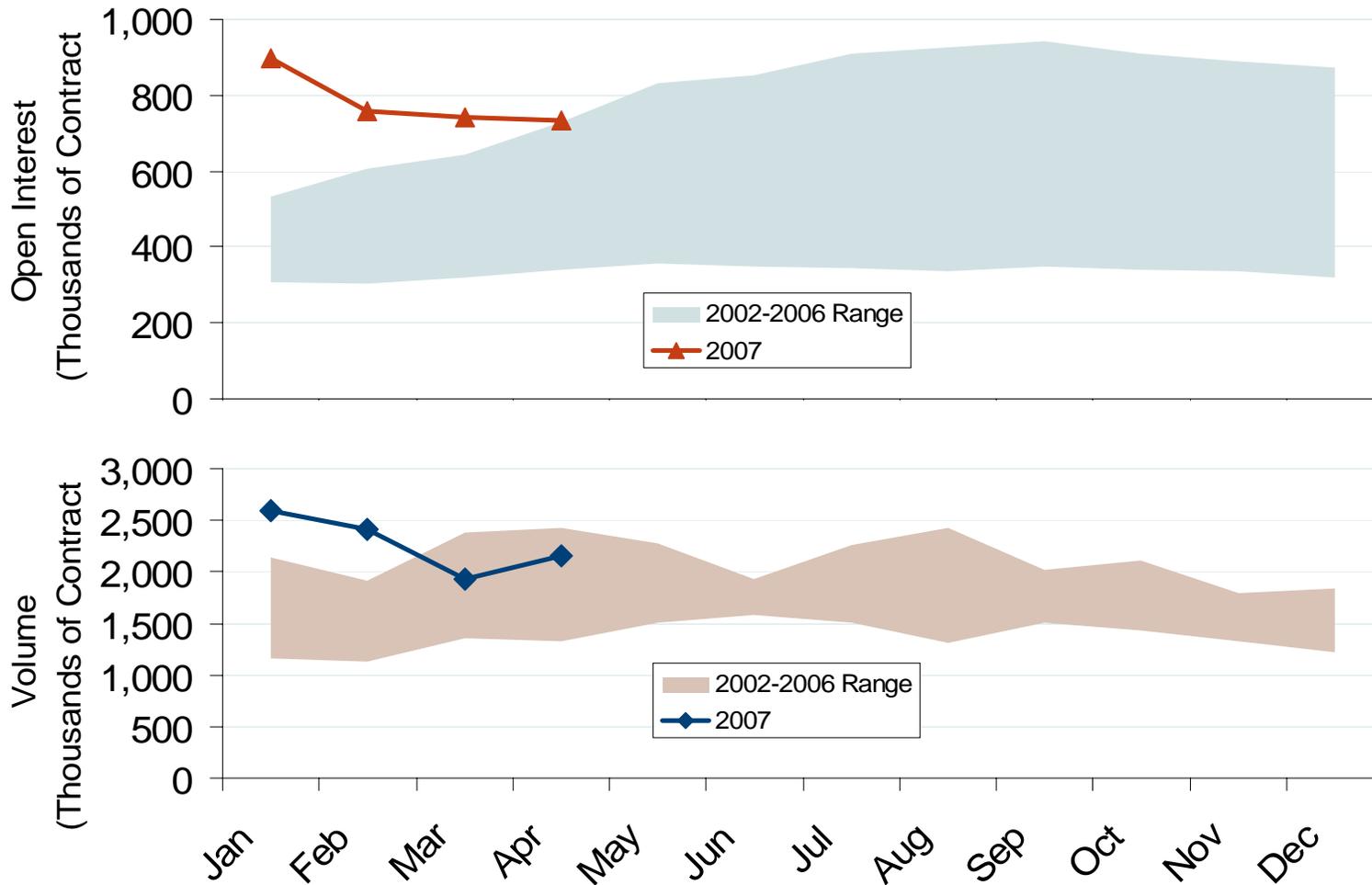
## Natural Gas Winter Futures Strip and Daily Henry Hub Spot and Bidweek Prices



Source: Derived from *Platts* and *Nymex* data.

Updated May 4, 2007

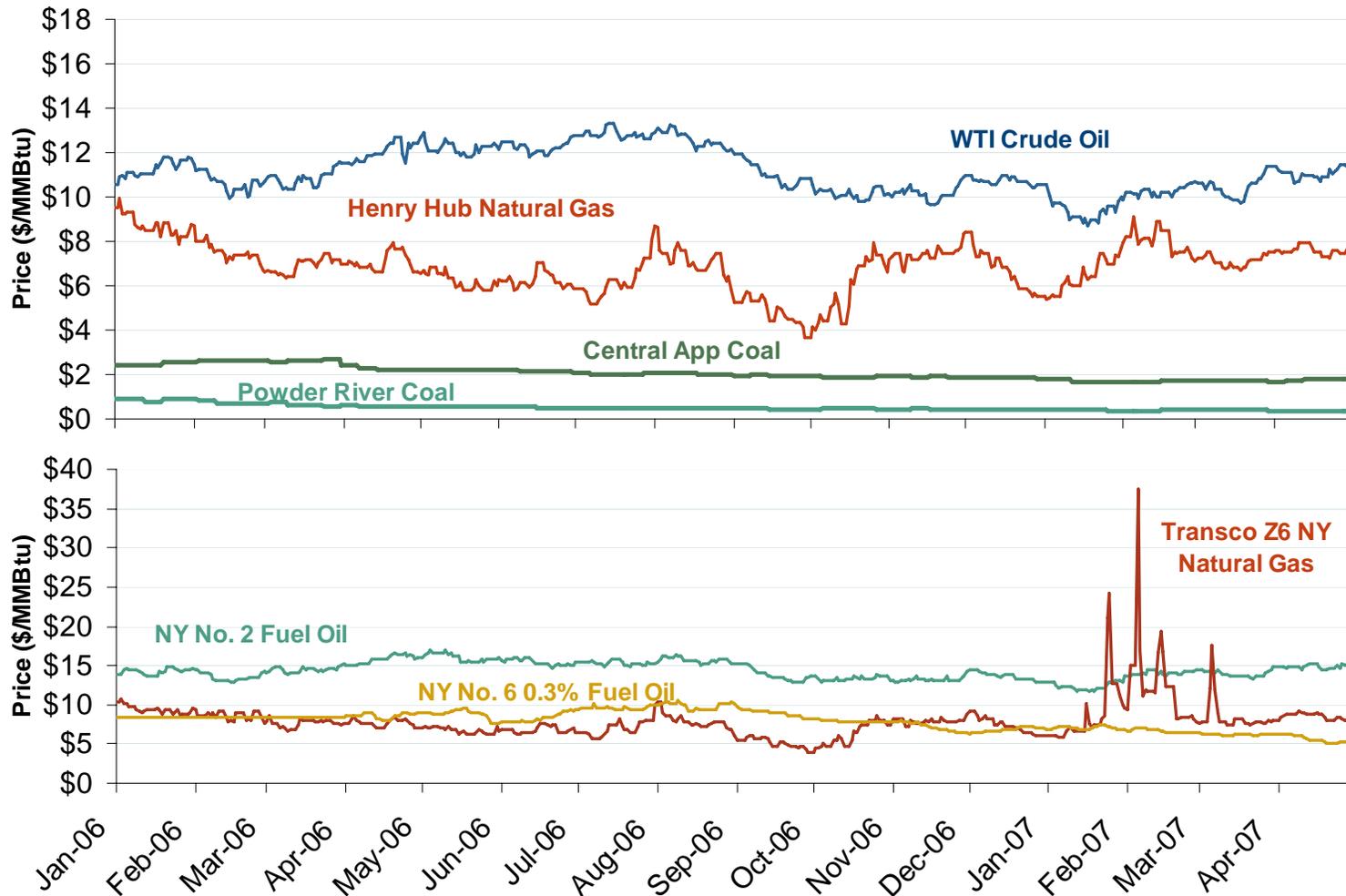
## NYMEX Natural Gas Futures Month-End Open Interest and Total Monthly Volume



Source: Derived from NYMEX data.

Updated May 4, 2007

# Oil, Coal and Natural Gas Daily Spot Prices

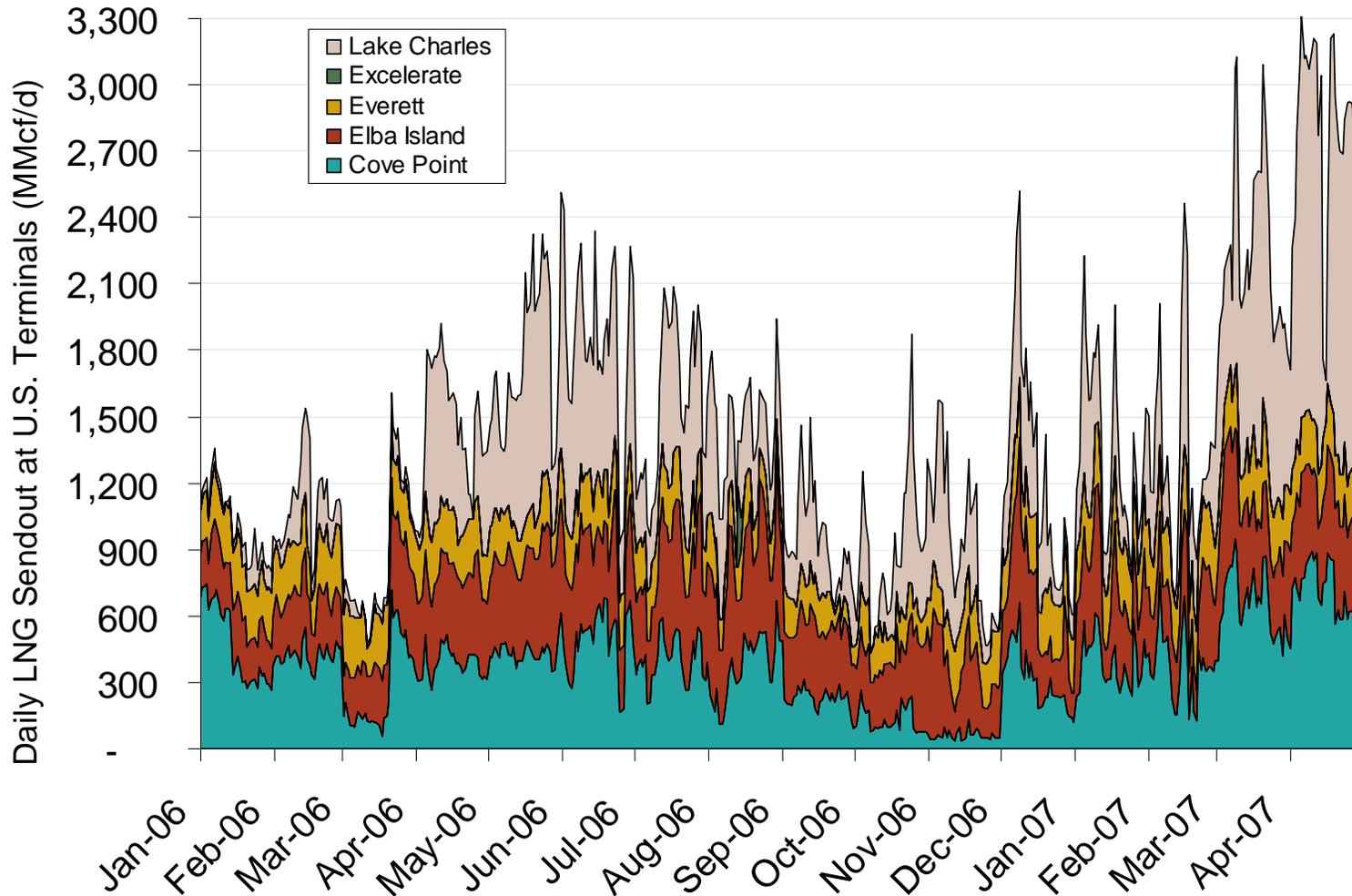


Source: Derived from ICE and Bloomberg data.

Note: Coal prices are quoted in \$/ton. Conversion factors to \$/MMBtu are based on contract specifications of 12,000 btus/pound for Central Appalachian coal and 8800 btus/pound for Powder River Basin coal.

Updated May 4, 2007

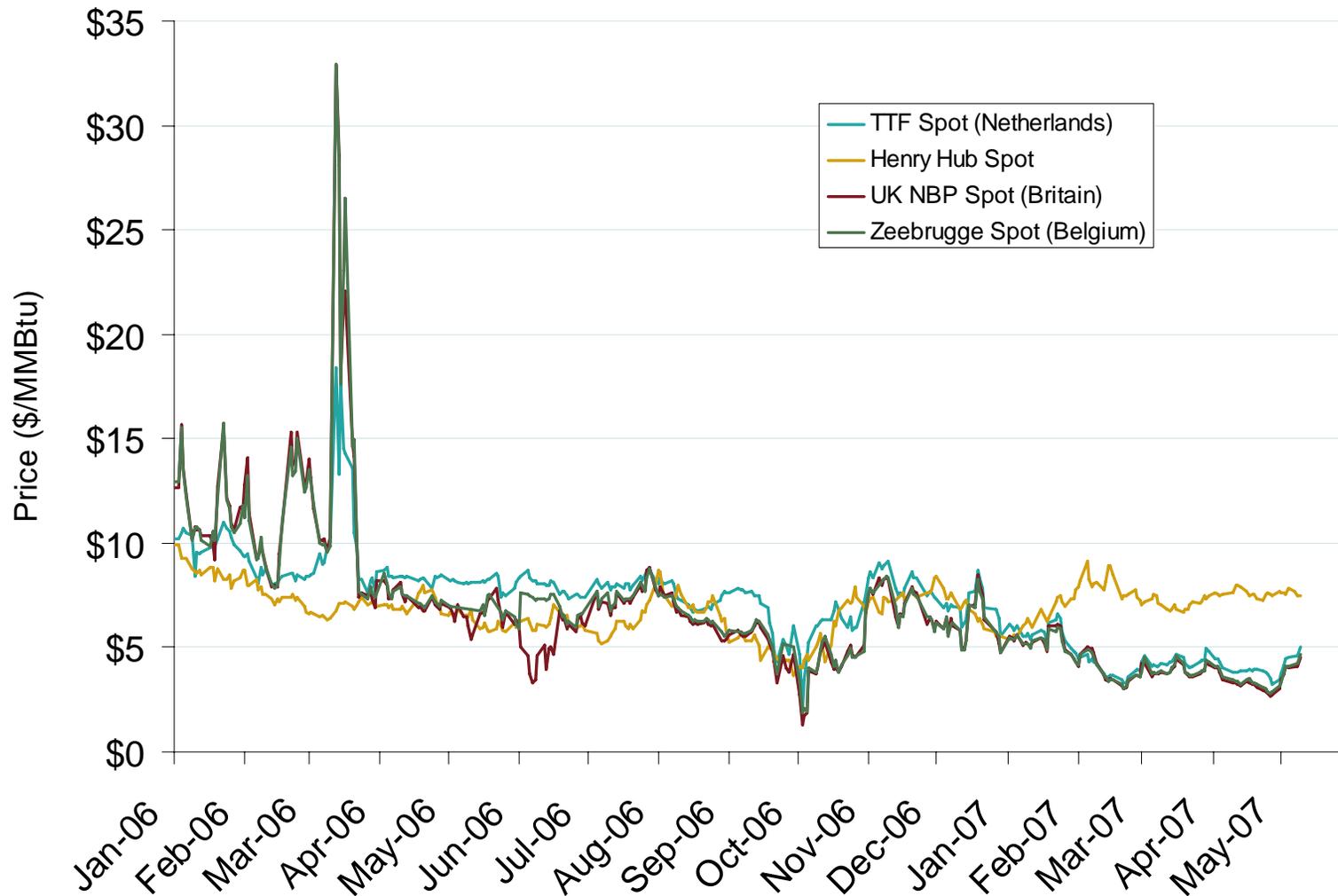
## Daily Gas Sendout from Existing LNG Facilities



Source: Derived from *Bentek* data. Excludes Everett LNG delivered via truck and consumed by the Mystic plant.

Updated May 4, 2007

## European and U.S. Spot Natural Gas Prices

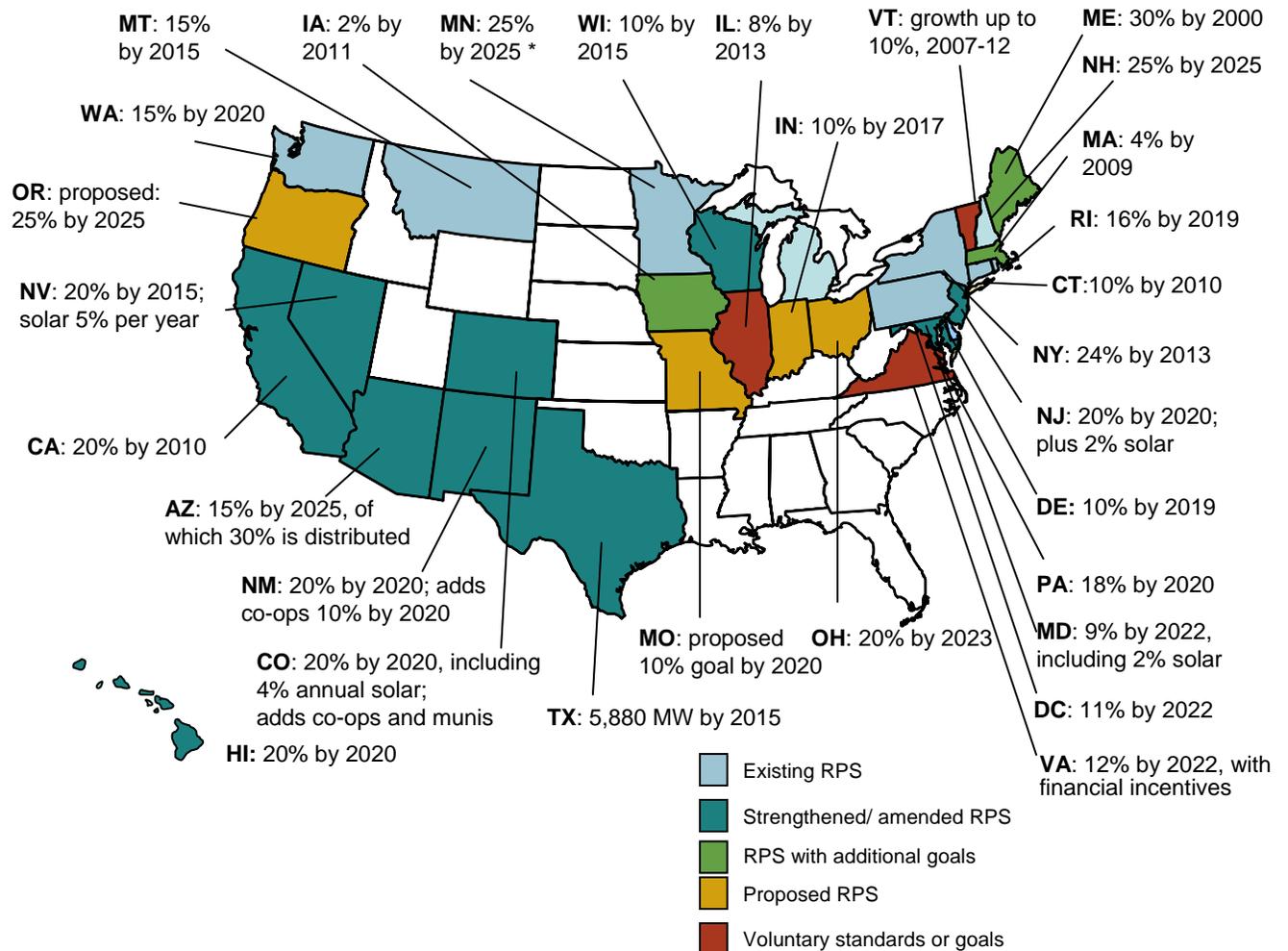


Source: Derived from *Bloomberg* and *ICE* data.

Corrected May 11, 2007

# Renewable Energy Portfolio Standards (RPS)

- A RPS requires a percent of energy sales or installed capacity to come from renewable resources.
- 22 states and DC have renewable energy standards. Three have goals only. New Hampshire passed an RPS in April. Virginia's restructuring law set an RPS goal for utilities, with financial incentives.
- States that adopted transmission planning and cost recovery policies to support new renewable generation include California, Colorado, Minnesota, New Mexico and Texas.



\* Minnesota's requirement for Xcel Energy exceeds the state RPS; it is 30% by 2020.  
 Sources: Derived from data in: EEI, EIA, LBNL, PUCs, State legislative tracking services, Database of State Incentives for Renewables and Efficiency, and the Union of Concerned Scientists.