

# OE ENERGY MARKET SNAPSHOT

## National Version – August 2007 Data

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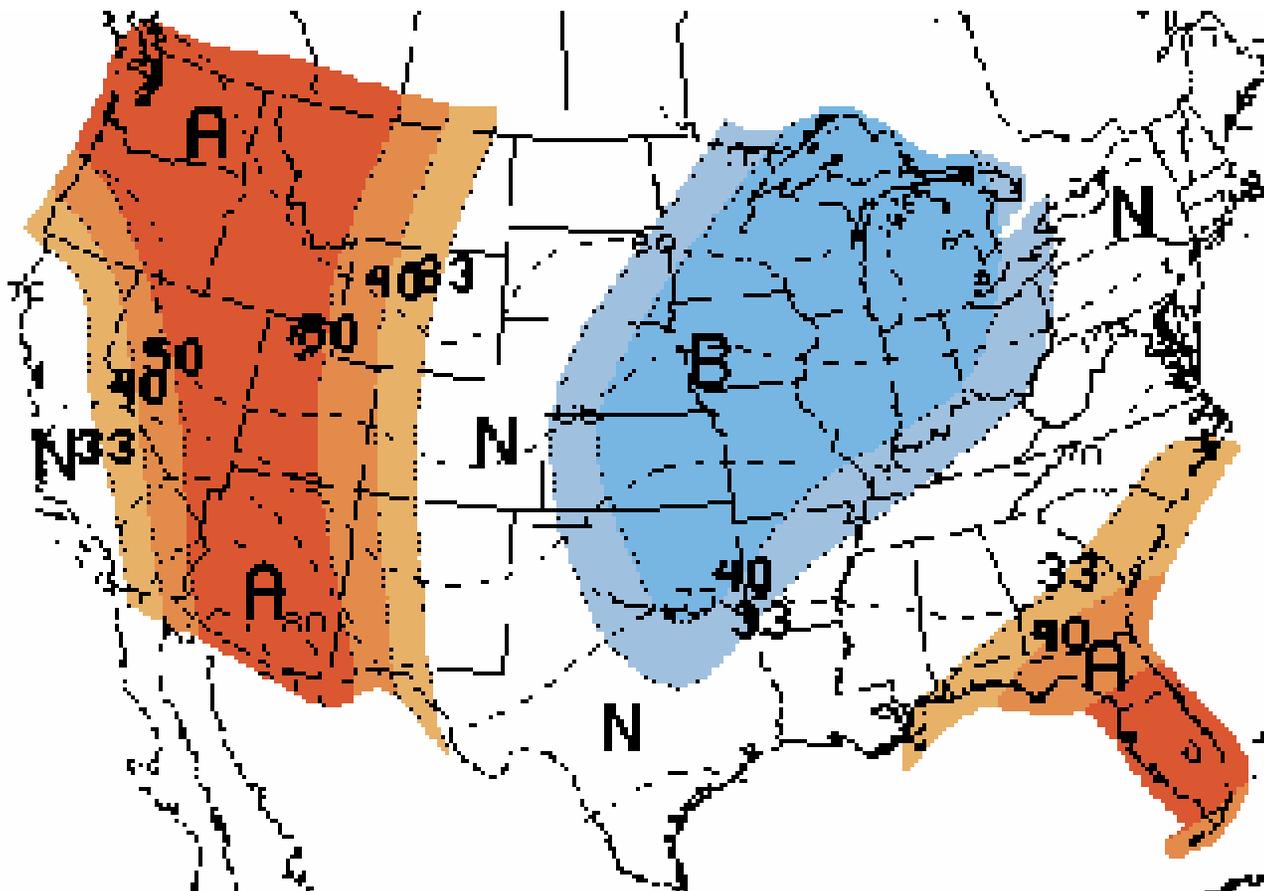
- **Market Fundamentals**
- **Prices and Market Analysis**

Office of Enforcement  
Federal Energy Regulatory Commission  
September 2007



# Market Fundamentals

## NOAA's 8 to 14 Day Temperature Forecast Made September 6, Valid for September 14-20, 2007



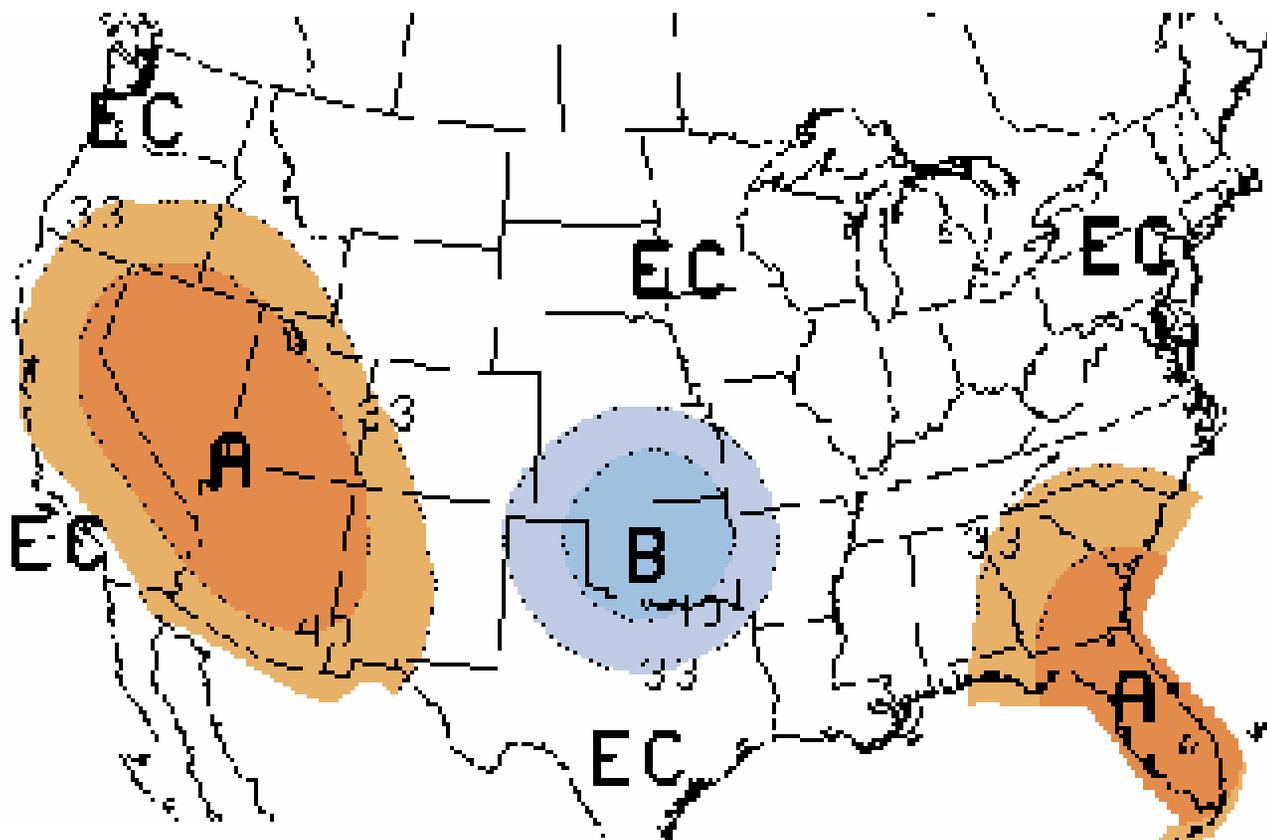
Note: "A" areas are above normal and "B" areas are below normal.

Source: NOAA

Updated September 7, 2007

3012

## NOAA's Monthly Temperature Forecast Made August 31, Valid for September 2007



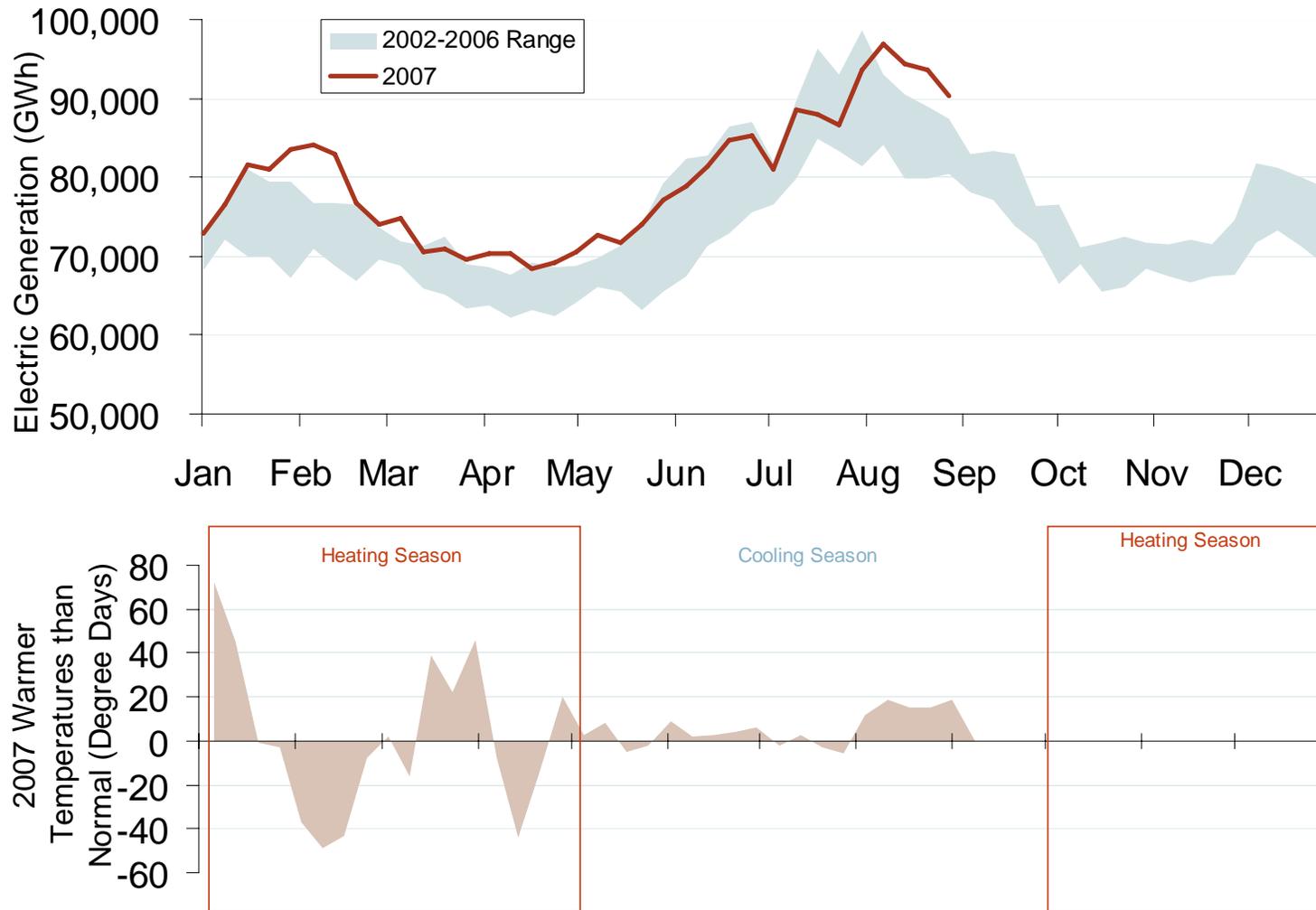
Note: "A" areas are above normal, "B" areas are below normal and "EC" means equal chance.

Source: NOAA

Updated September 7, 2007

3012

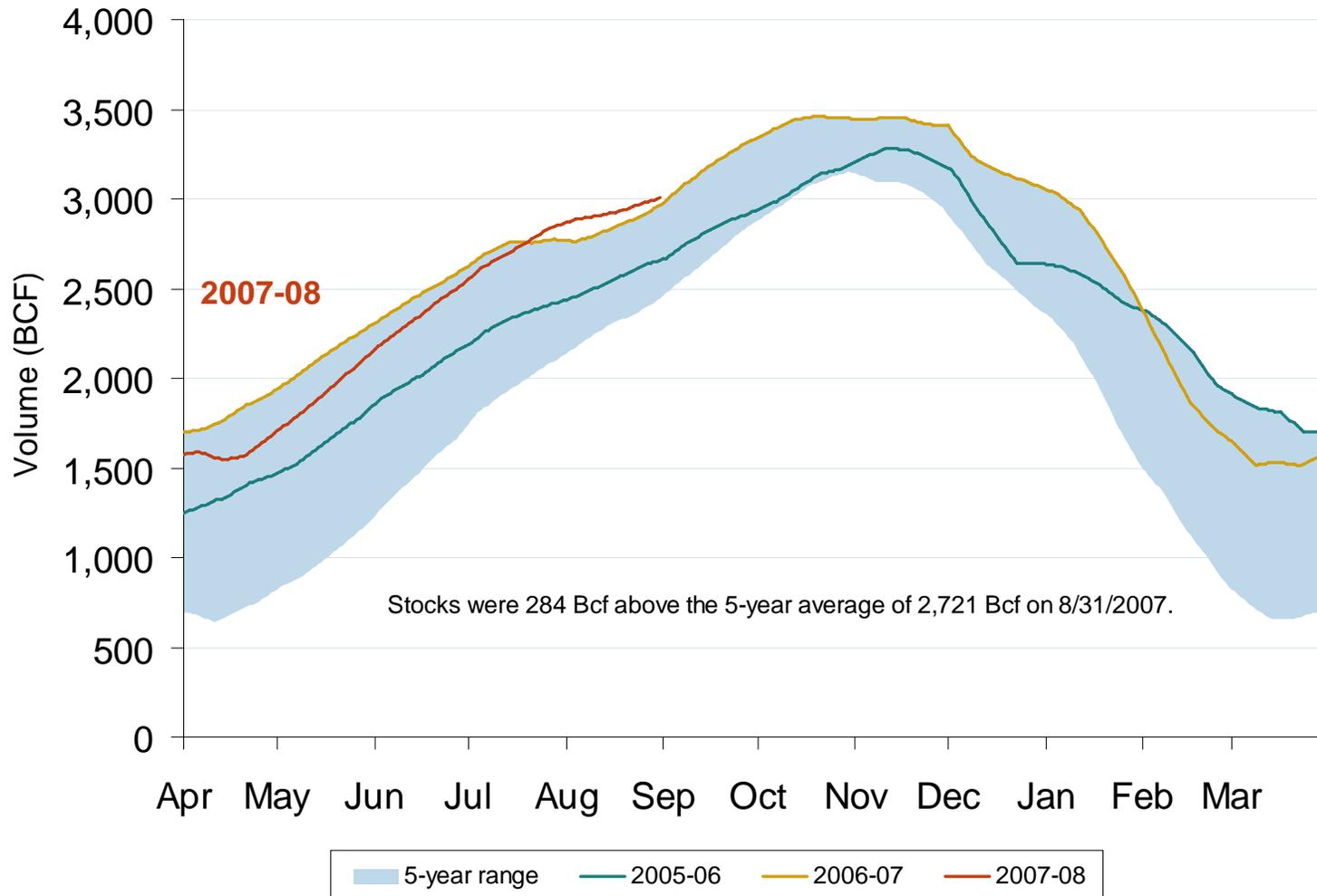
# Weekly U.S. Electric Generation Output and Temperatures



Source: Derived from EEI and NOAA data.

Updated September 7, 2007

## Total U.S. Working Gas in Storage

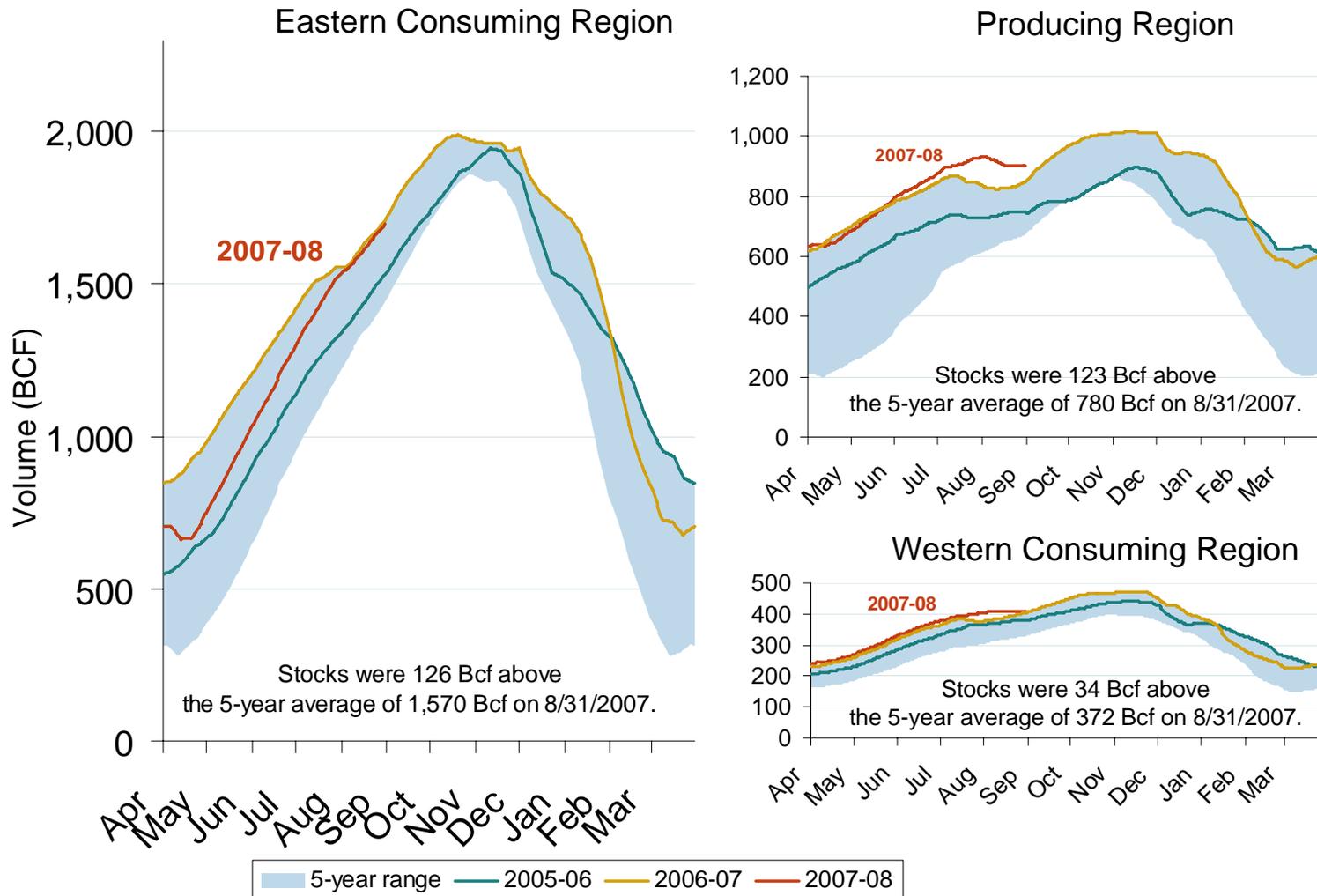


Source: Derived from EIA data.

Updated September 7, 2007

2003

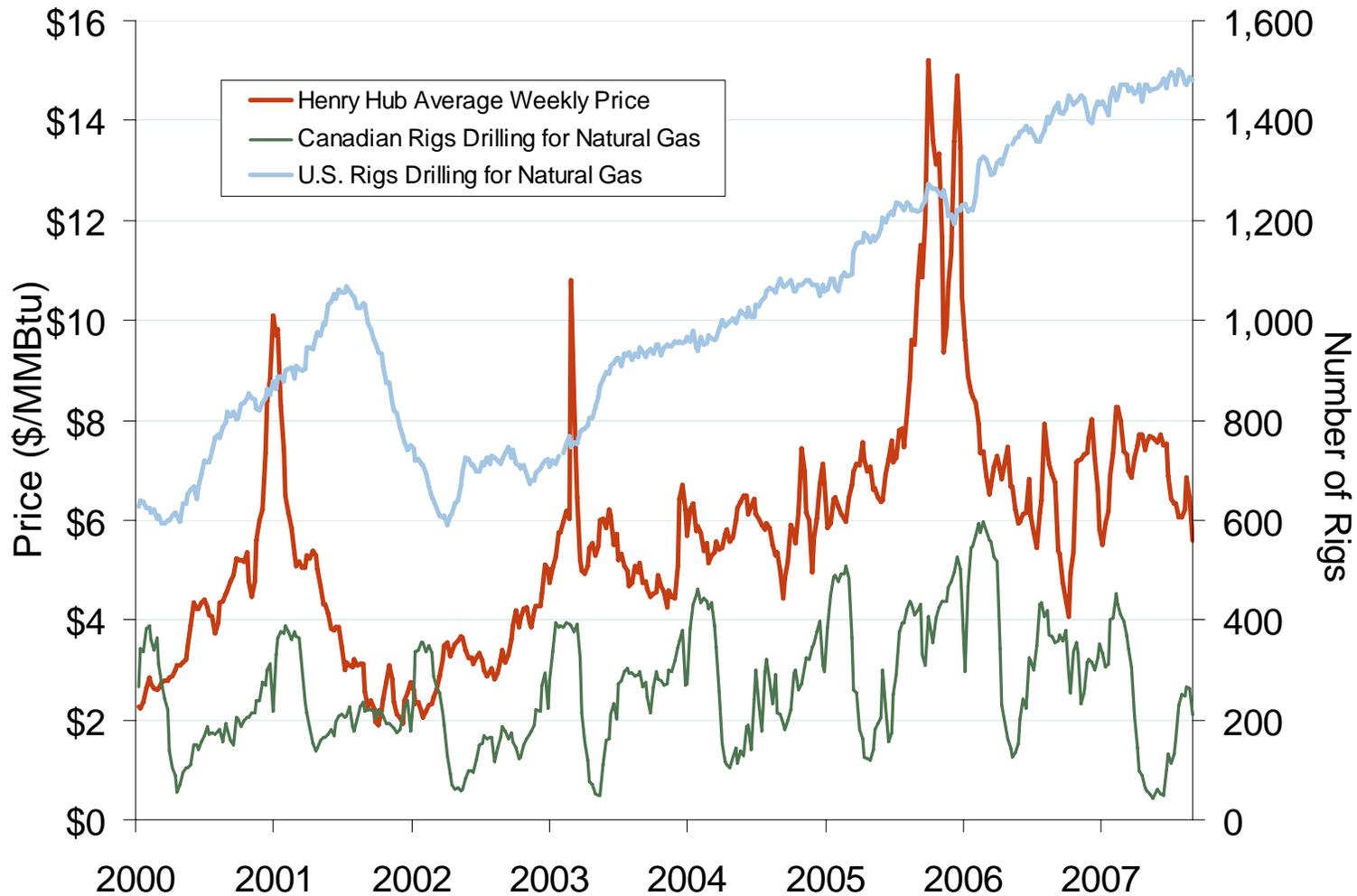
## Regional Totals of Working Gas in Storage



Source: Derived from EIA data.

Updated September 7, 2007

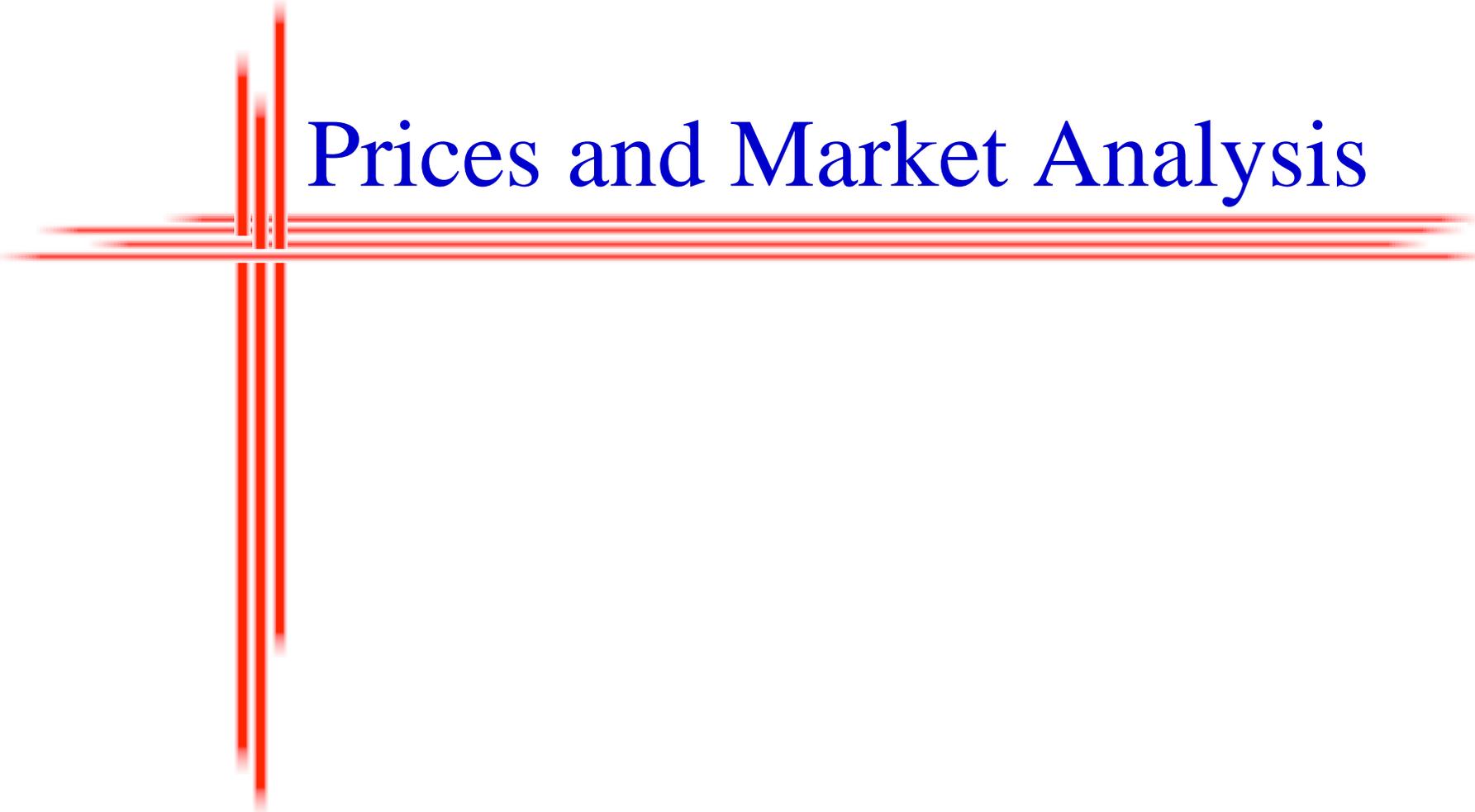
## U.S. and Canadian Natural Gas Drilling Rig Count and Daily Spot Prices



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

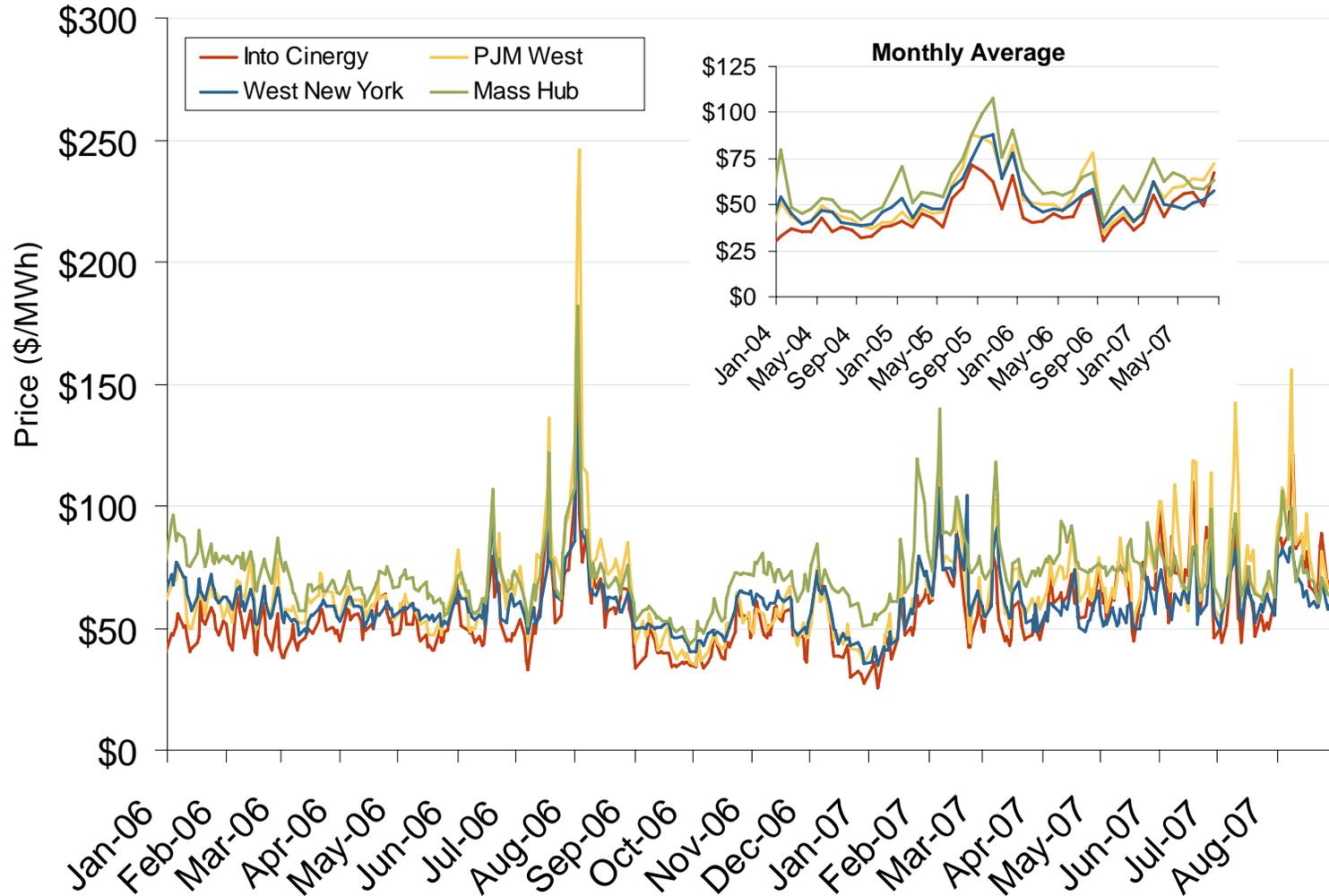
Updated September 7, 2007

2007



# Prices and Market Analysis

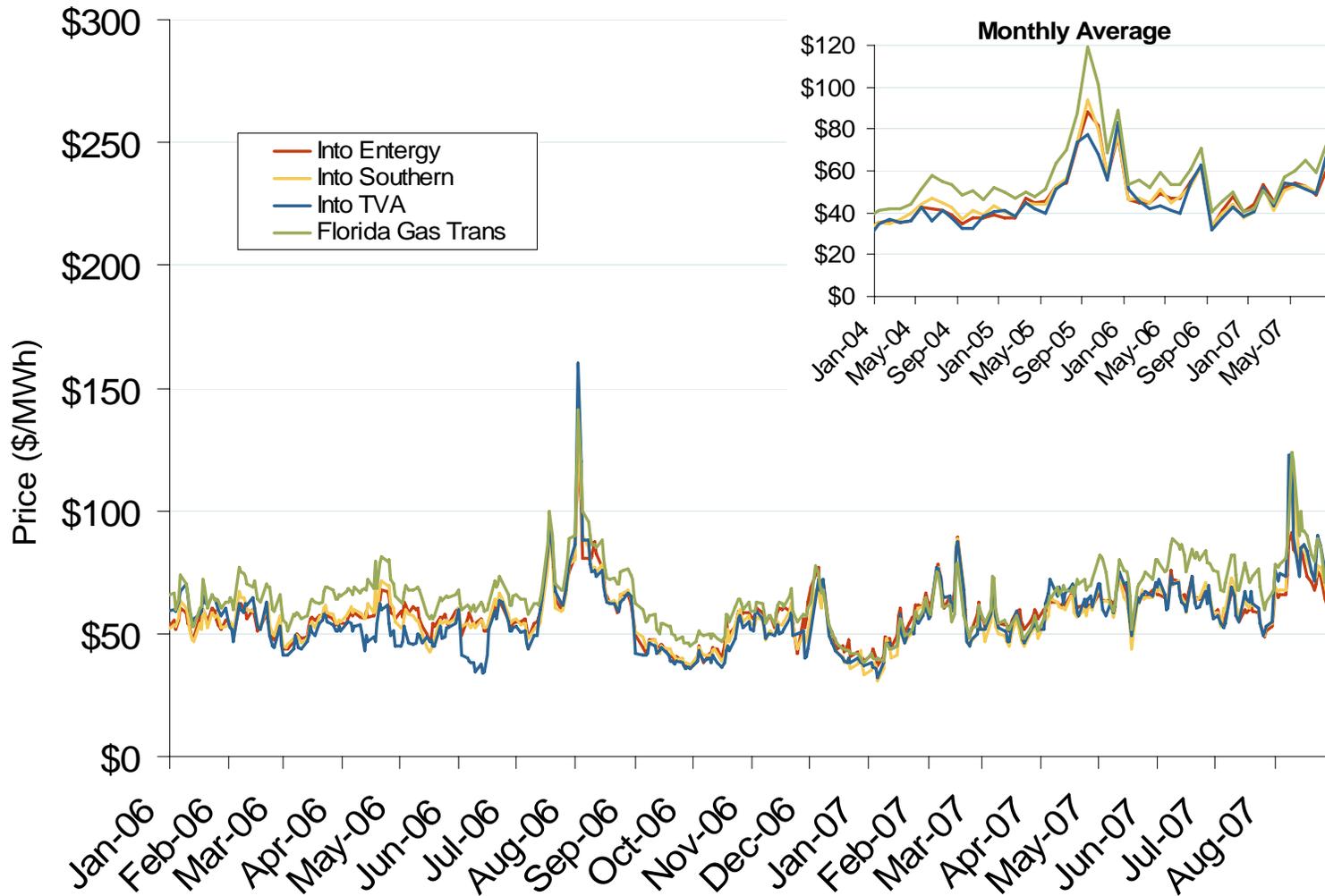
## Eastern Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from Platts data.

Updated September 7, 2007

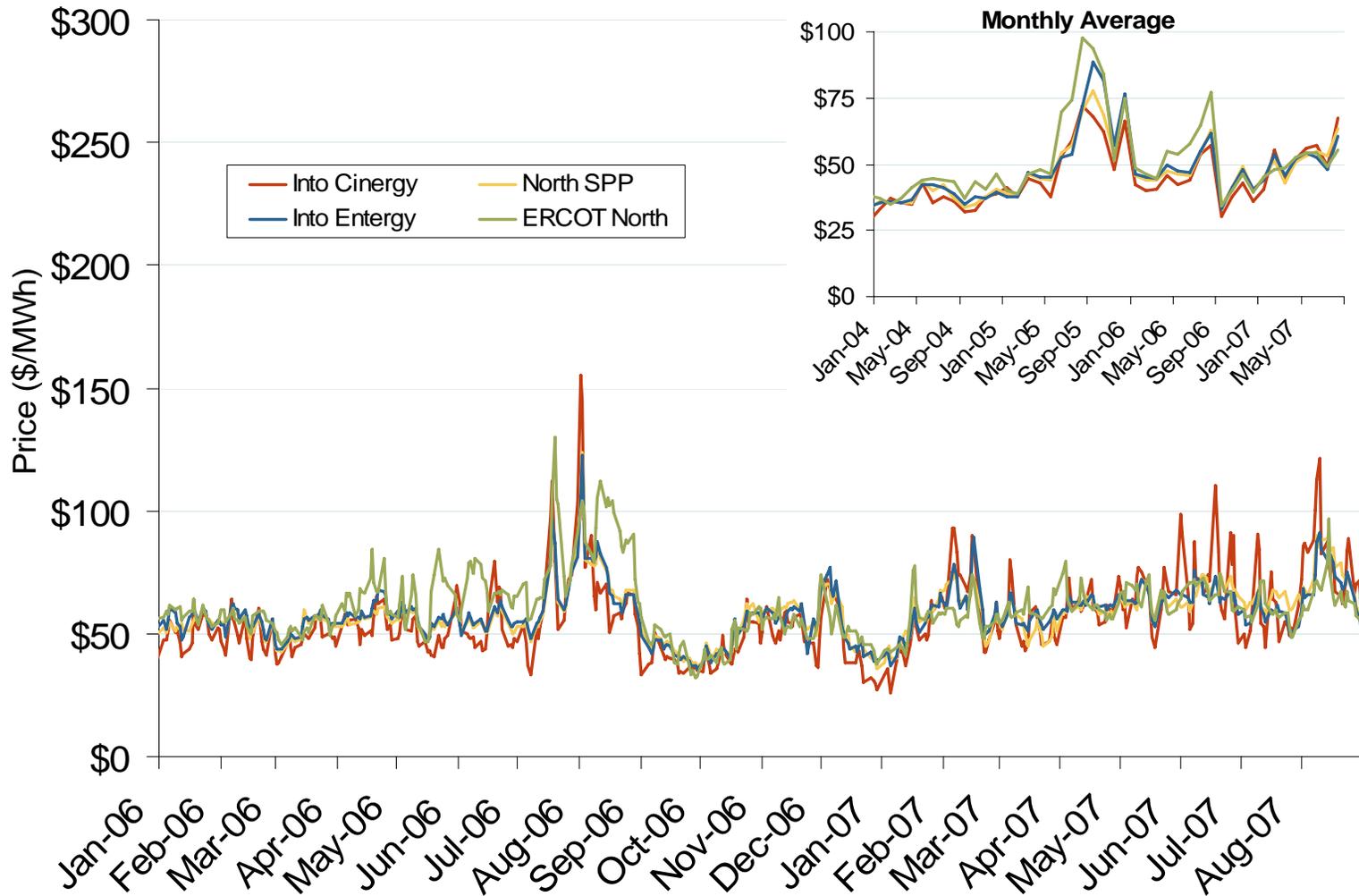
# Southeastern Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from *Platts* data.

Updated September 7, 2007

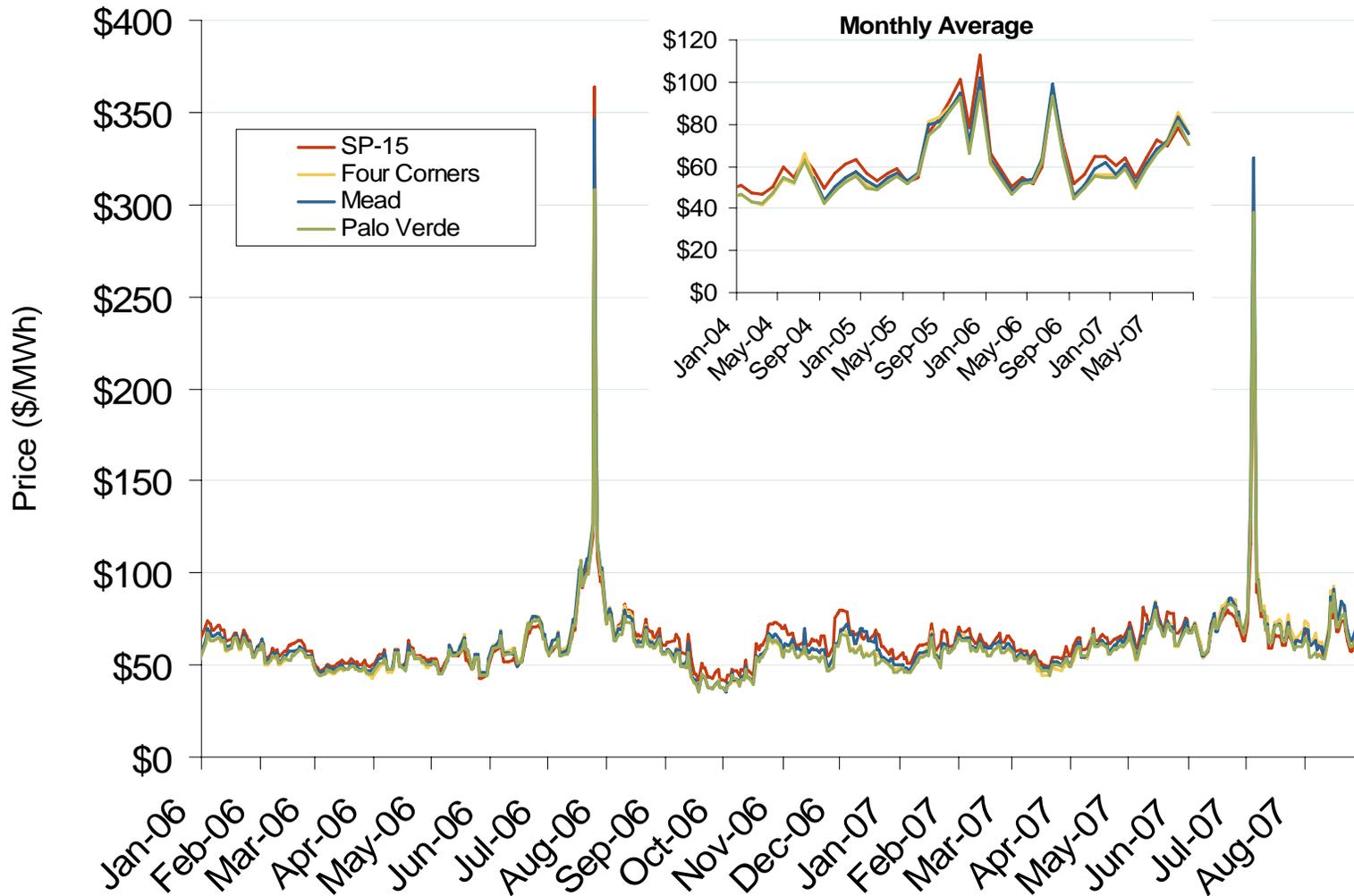
# Midwestern Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from *Platts* data.

Updated September 7, 2007

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

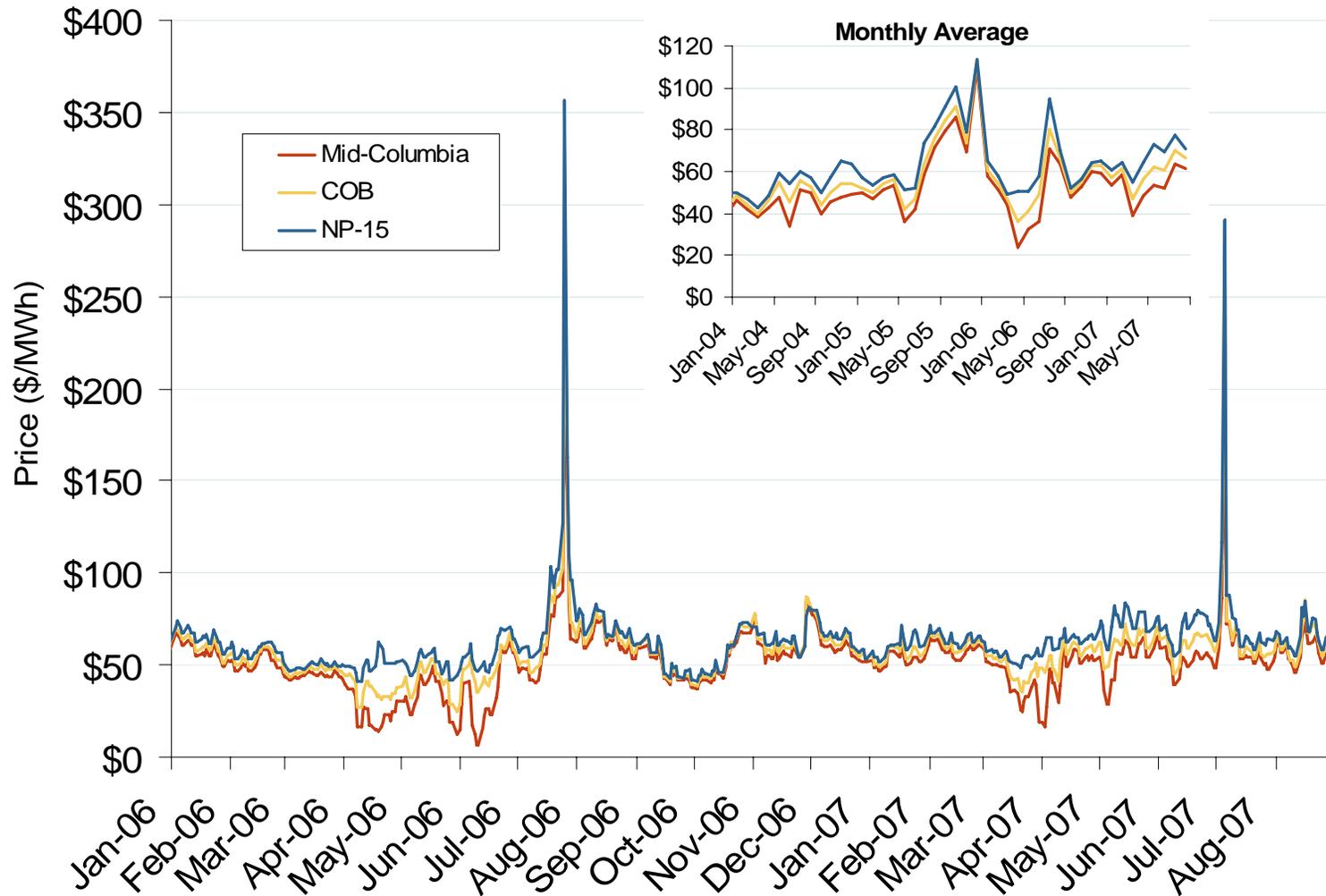


Source: Derived from *Platts* data.

Updated September 7, 2007

1066

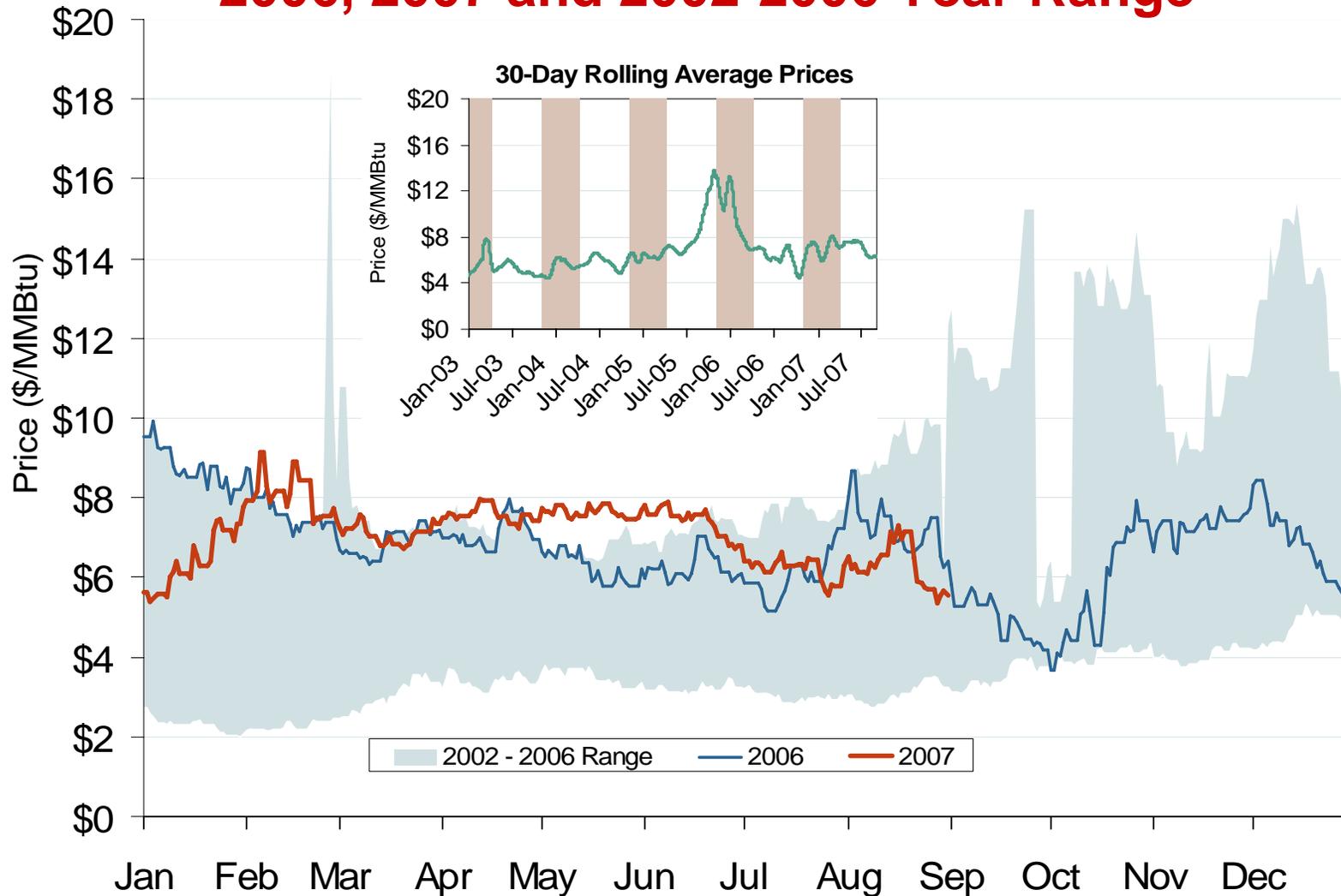
# Northwestern Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from Platts data.

Updated September 7, 2007

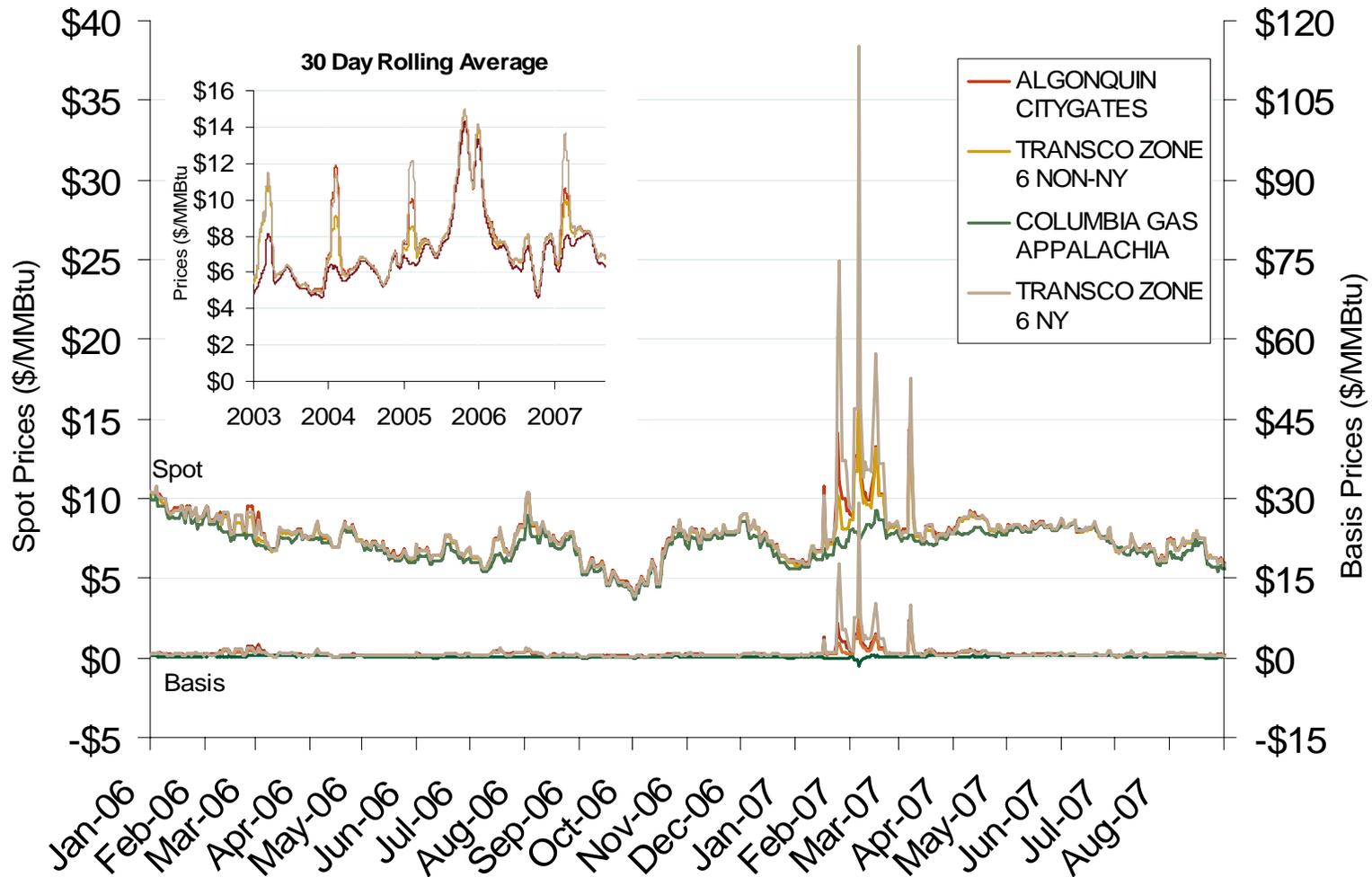
## Henry Hub Natural Gas Daily Spot Prices 2006, 2007 and 2002-2006 Year Range



Source: Derived from *Platts* data.

Updated September 7, 2007

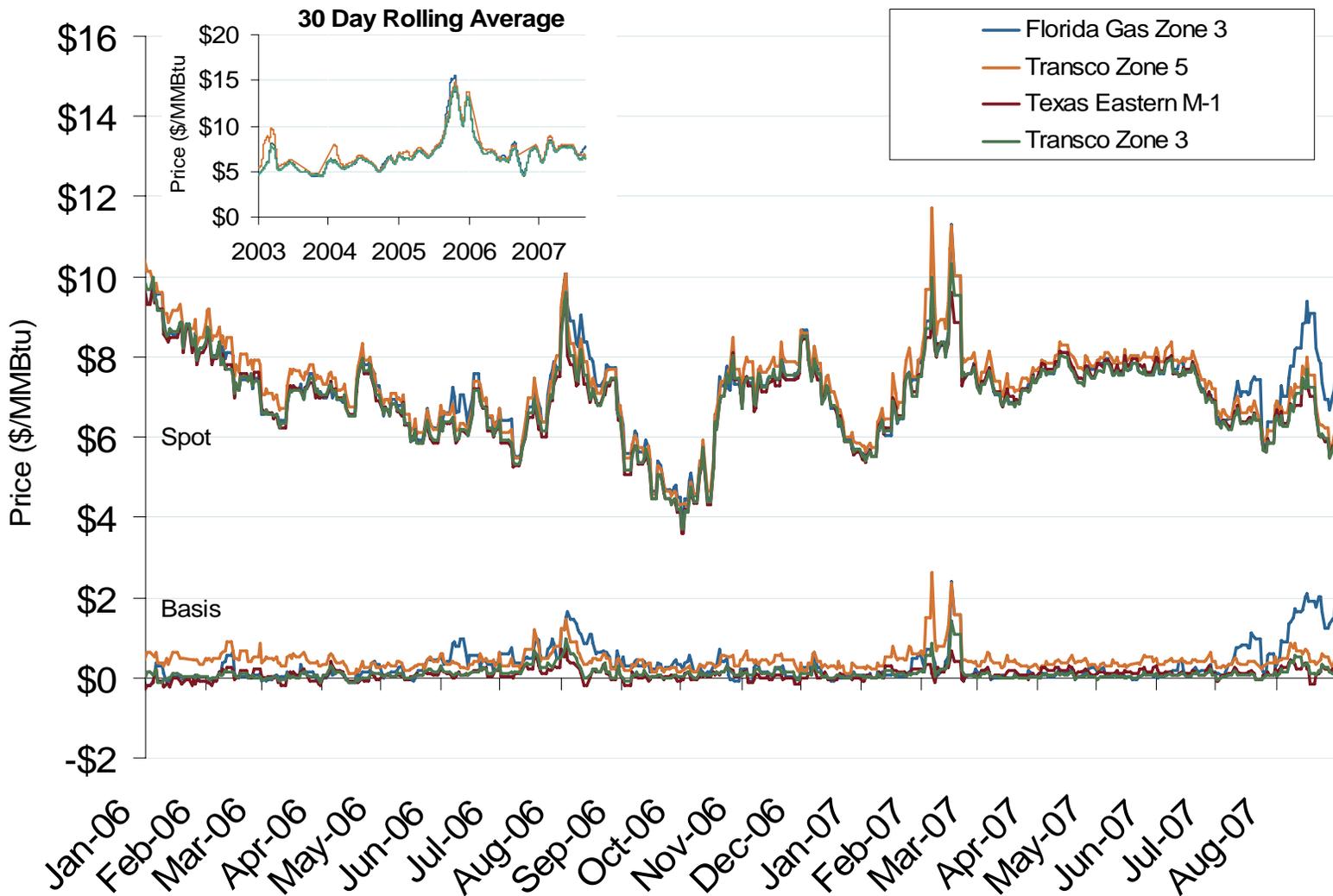
# Northeastern Spot Prices and Basis



Source: Derived from Platts data.

Updated September 7, 2007

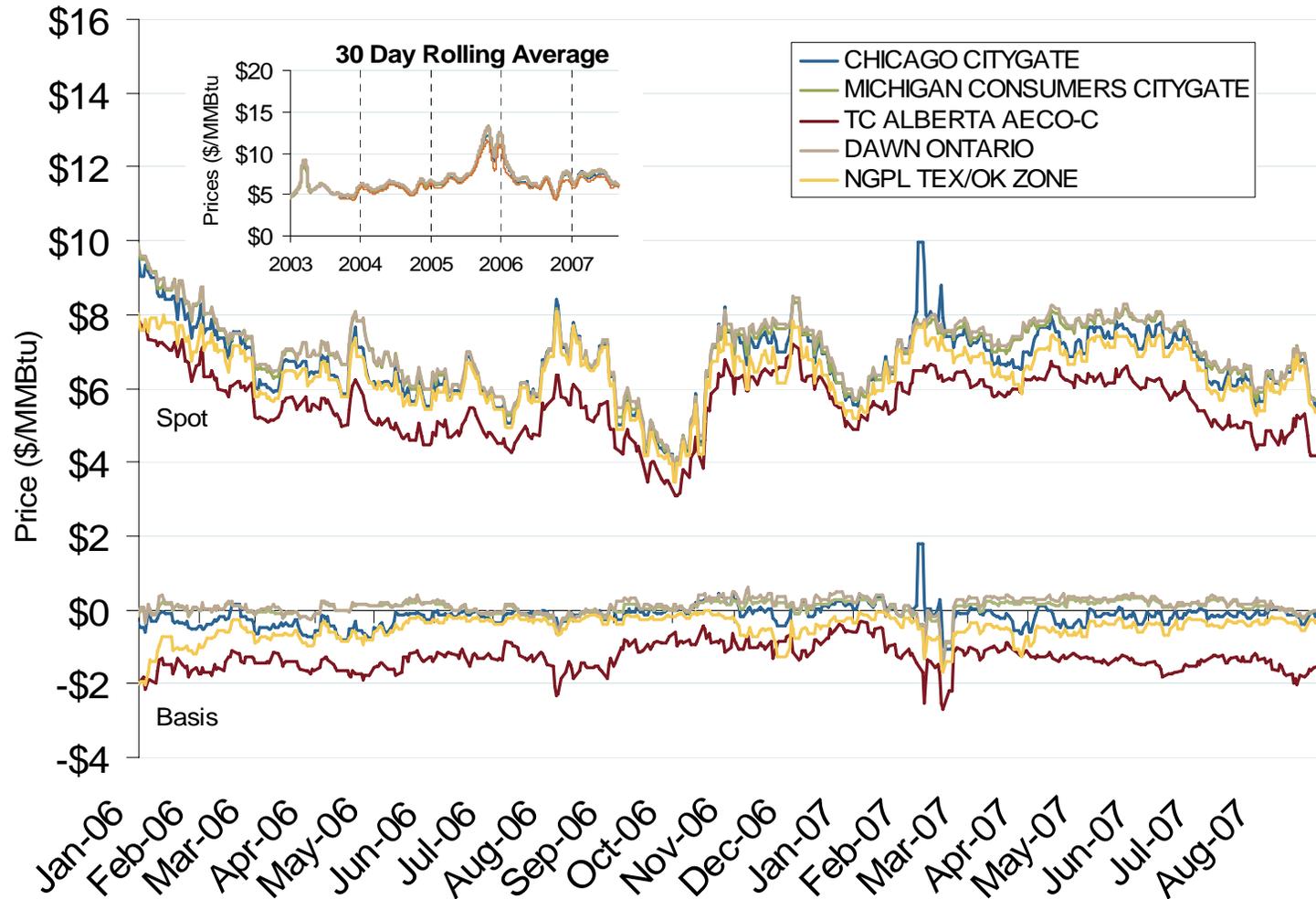
## Southeastern Day-Ahead Hub Spot Prices and Basis



Source: Derived from *Platts* data.

Updated September 7, 2007

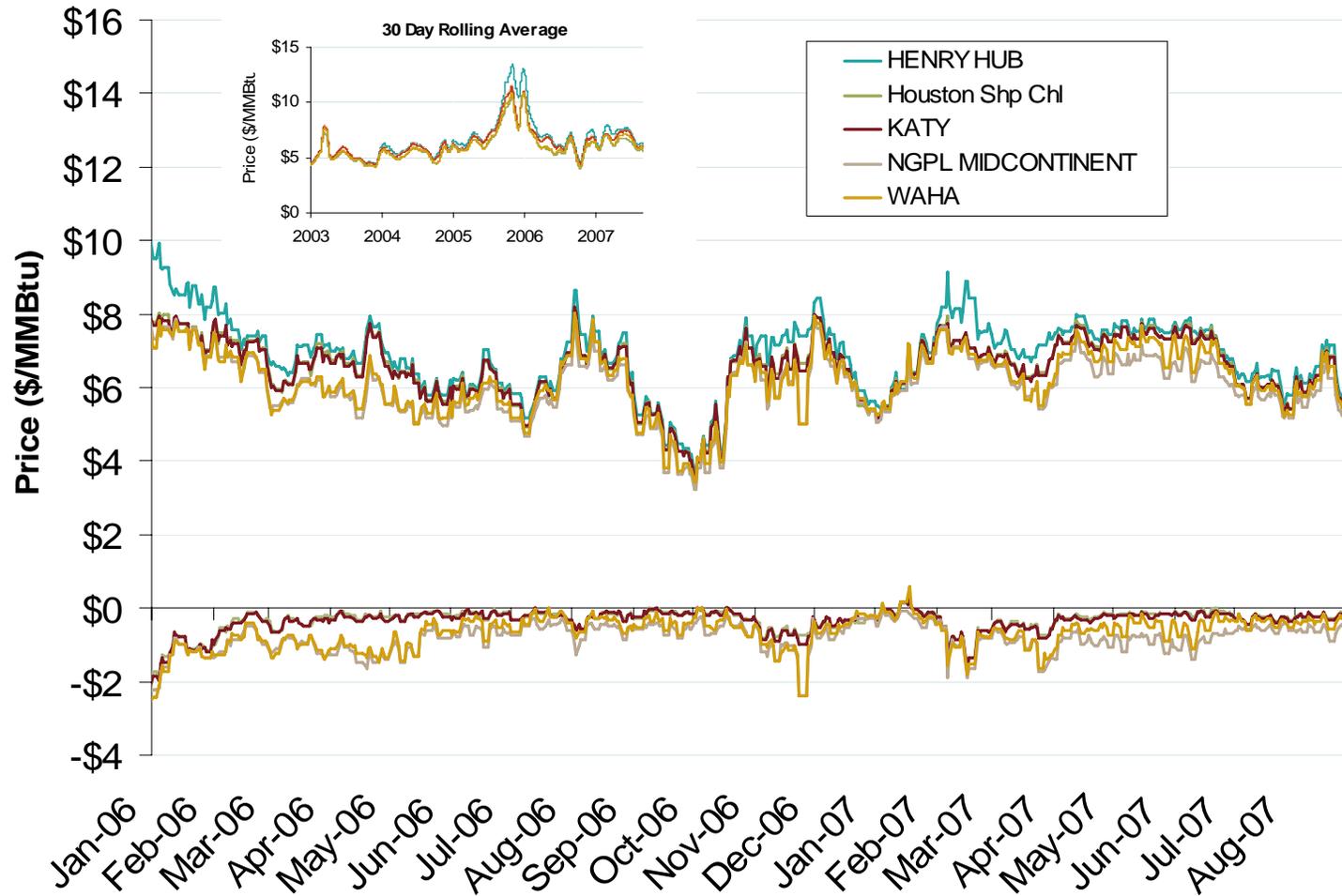
## Midwestern Day-Ahead Hub Spot Prices and Basis



Source: Derived from *Platts* data.

Updated September 7, 2007  
2016

# South Central Day-Ahead Hub Spot Prices and Basis

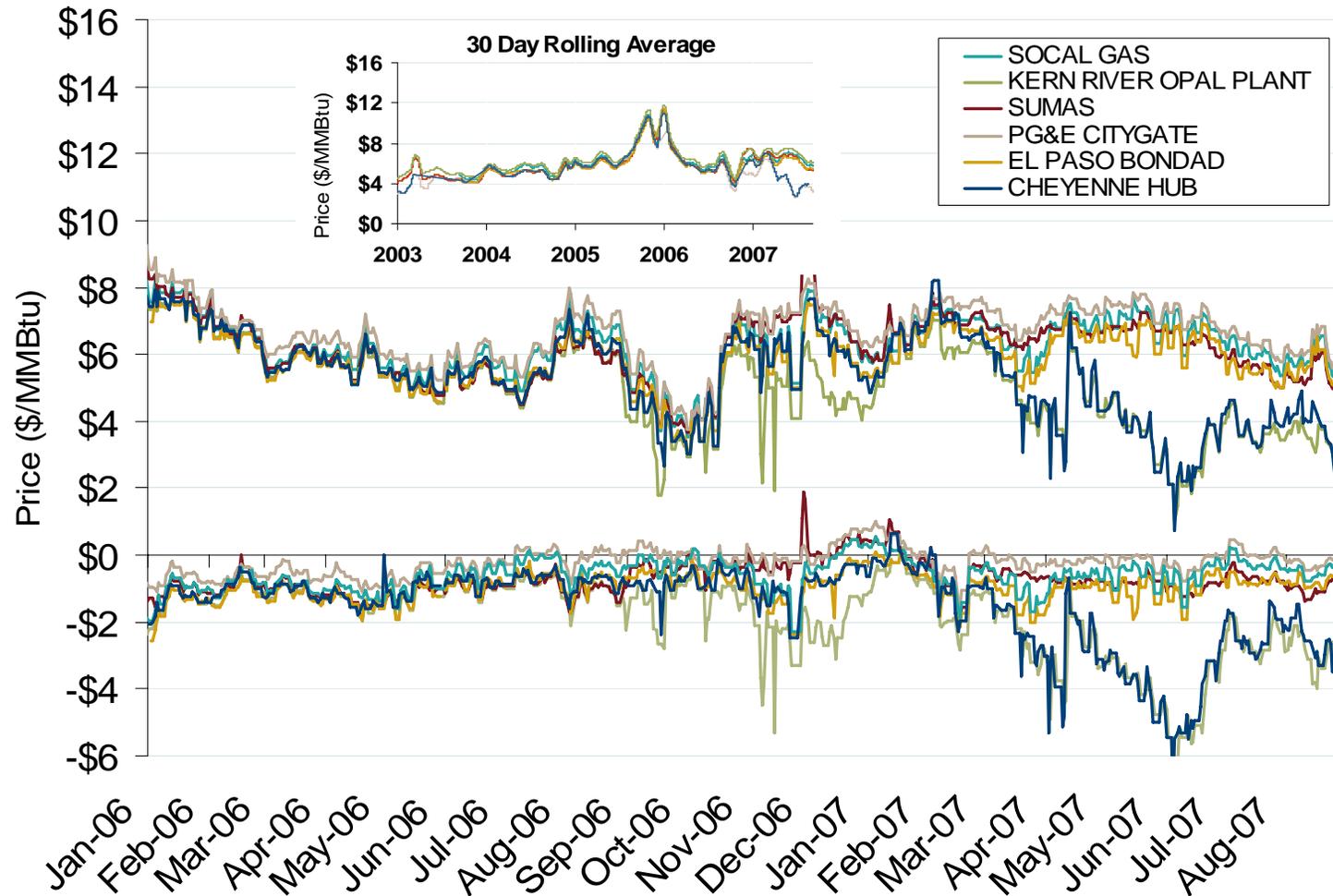


Source: Derived from *Platts* data.

Updated September 7, 2007

2044

## Western Day-Ahead Hub Spot Prices and Basis



Source: Derived from *Platts* data.

Updated September 7, 2007  
2072

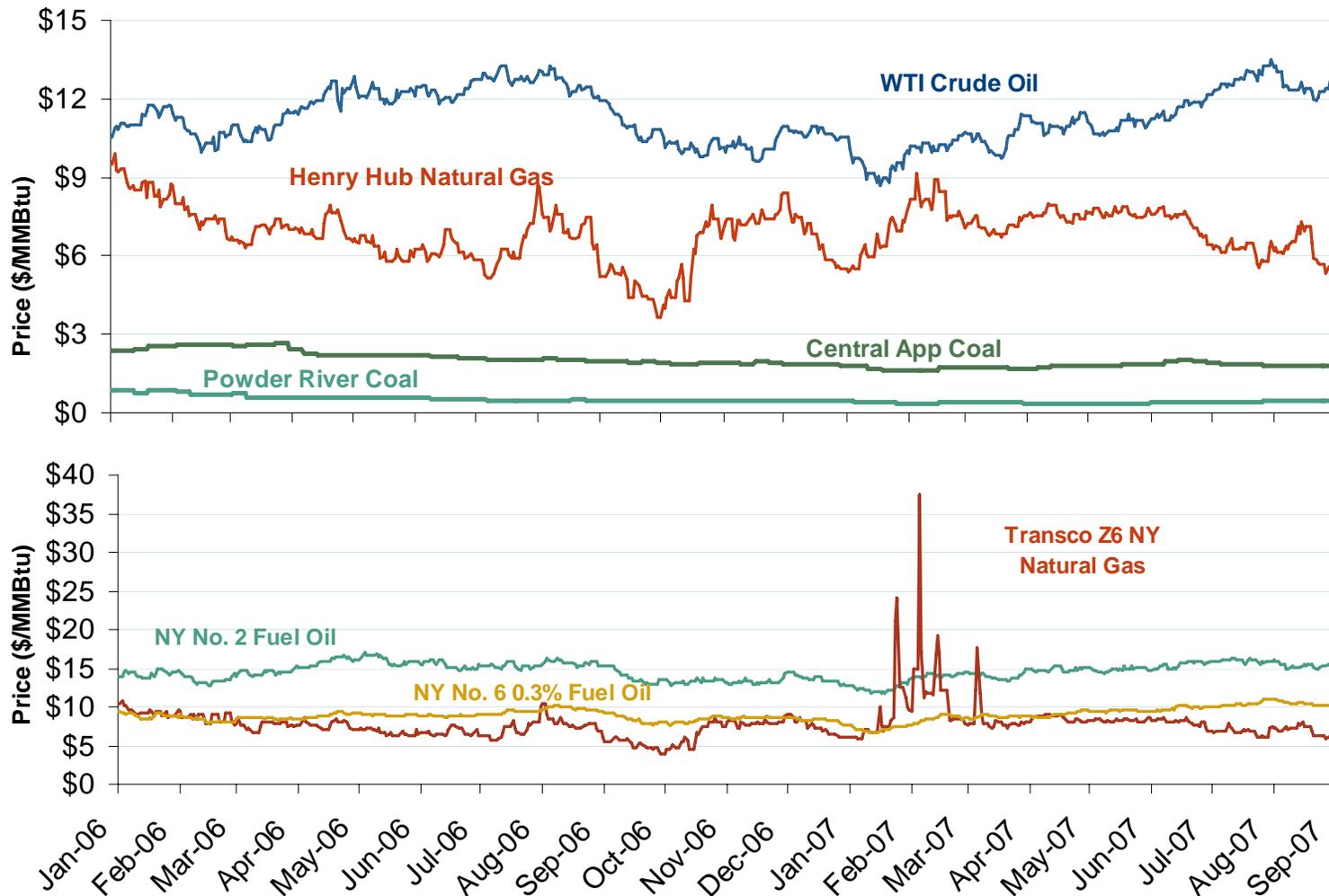
## Natural Gas Winter Futures Strip and Daily Henry Hub Spot and Bidweek Prices



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

Updated September 7, 2007

# Oil, Coal and Natural Gas Daily Spot Prices

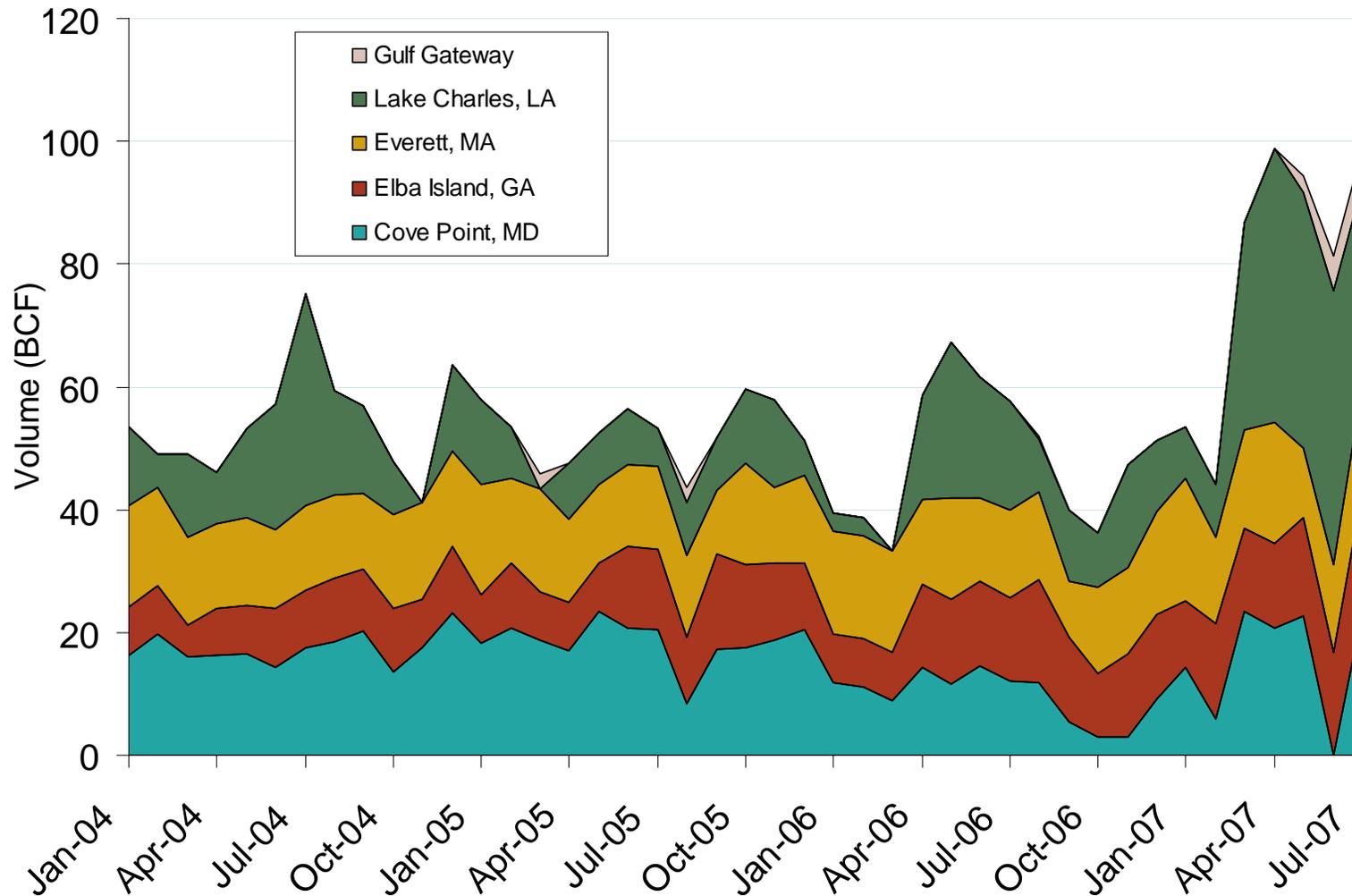


Source: Derived from ICE and Bloomberg data.

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 September 7, 2007

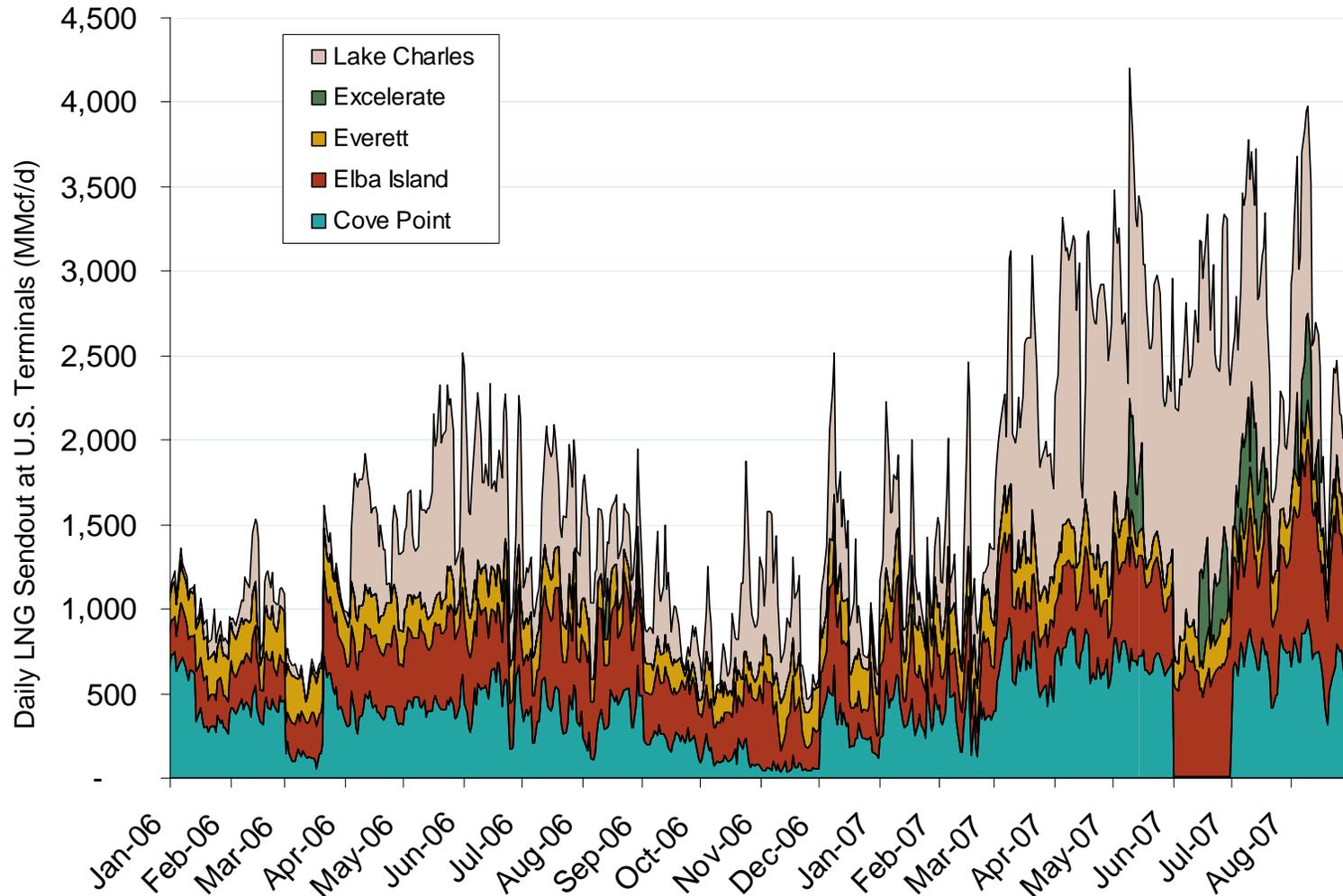
## Monthly Gas Imports at Existing U.S. LNG Facilities



Source: Derived from EIA data.

Updated September 7, 2007

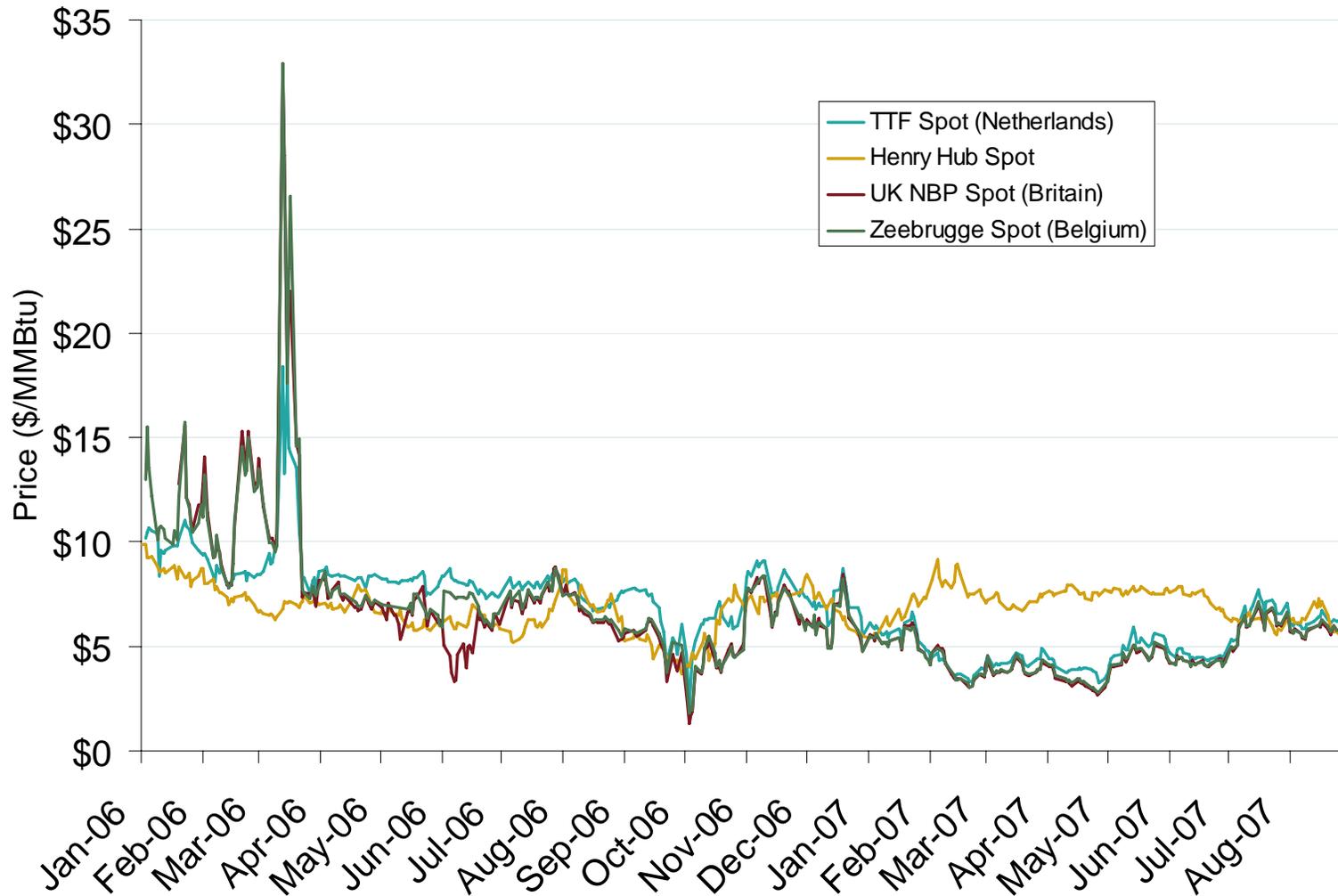
## Daily Gas Sendout from Existing U.S. LNG Facilities



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

Updated September 7, 2007

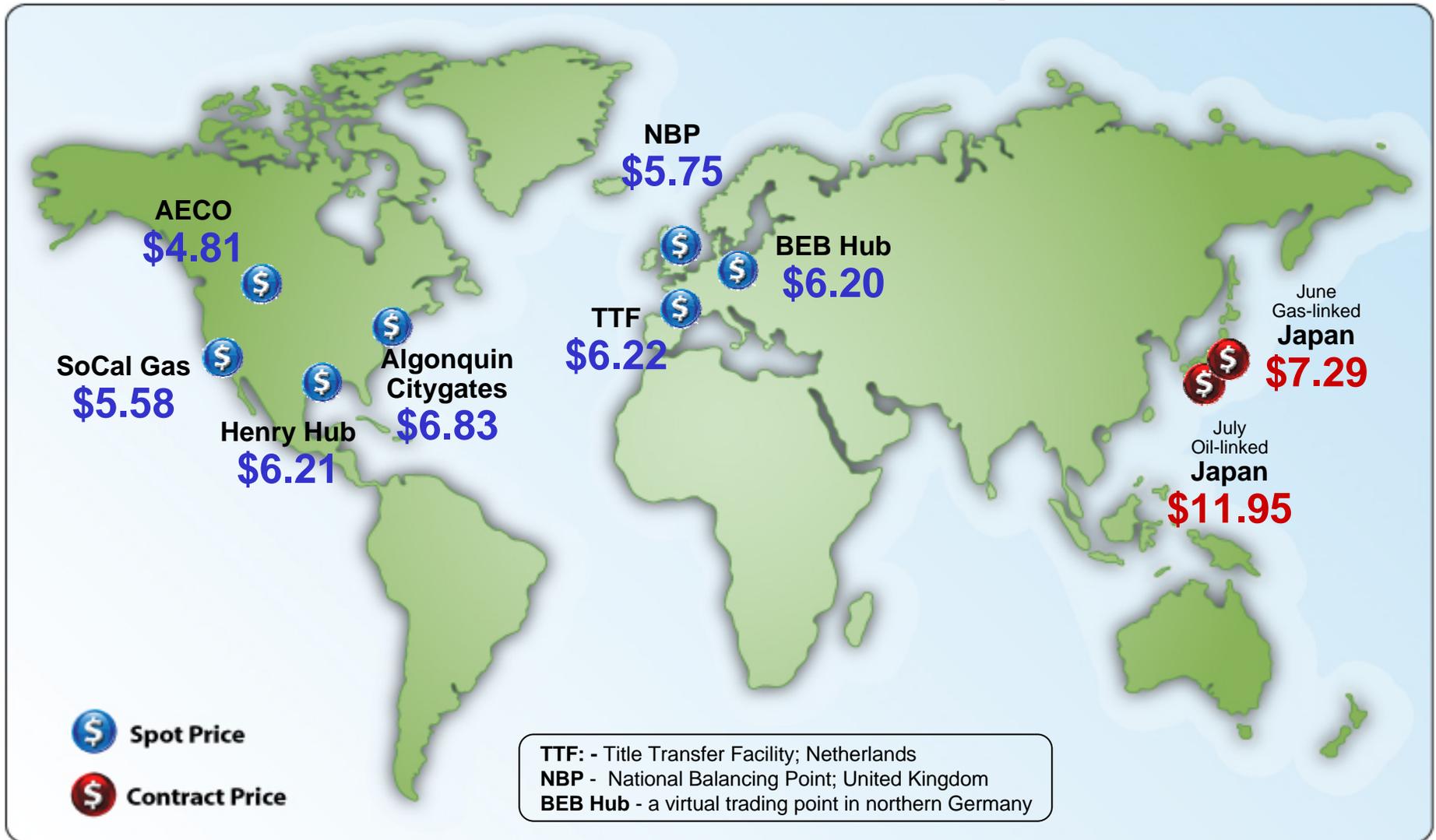
## European and U.S. Spot Natural Gas Prices



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

Updated September 7, 2007

## World Natural Gas Prices for August 2007

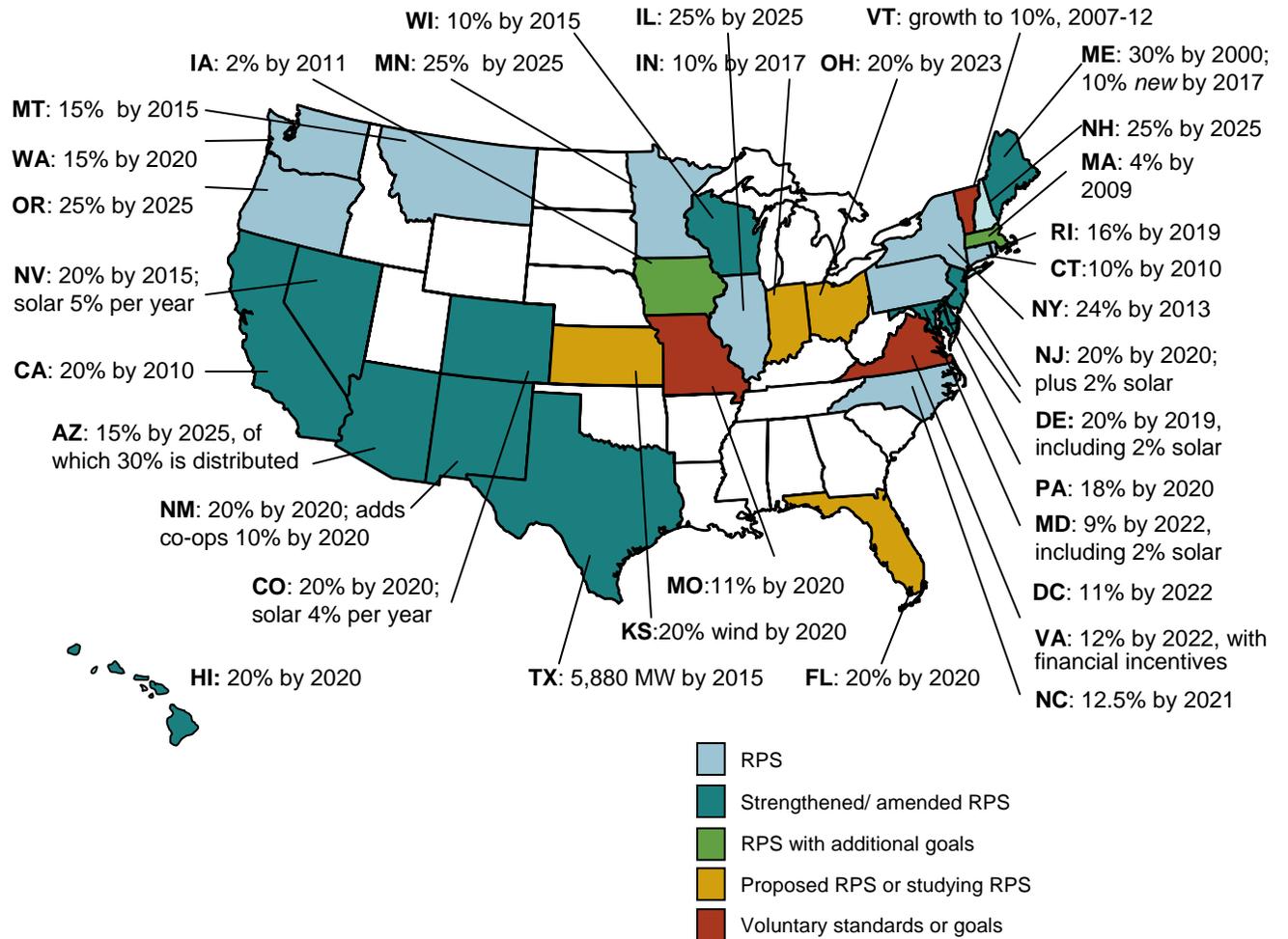


Source: Derived from *Bloomberg, ICE, ICAP and LNG Japan Corp.* data. Spot Price is a monthly average of daily prices. Contract Price is a monthly price. All prices in \$US/MMBtu.

Updated September 7, 2007

# Renewable Energy Portfolio Standards (RPS)

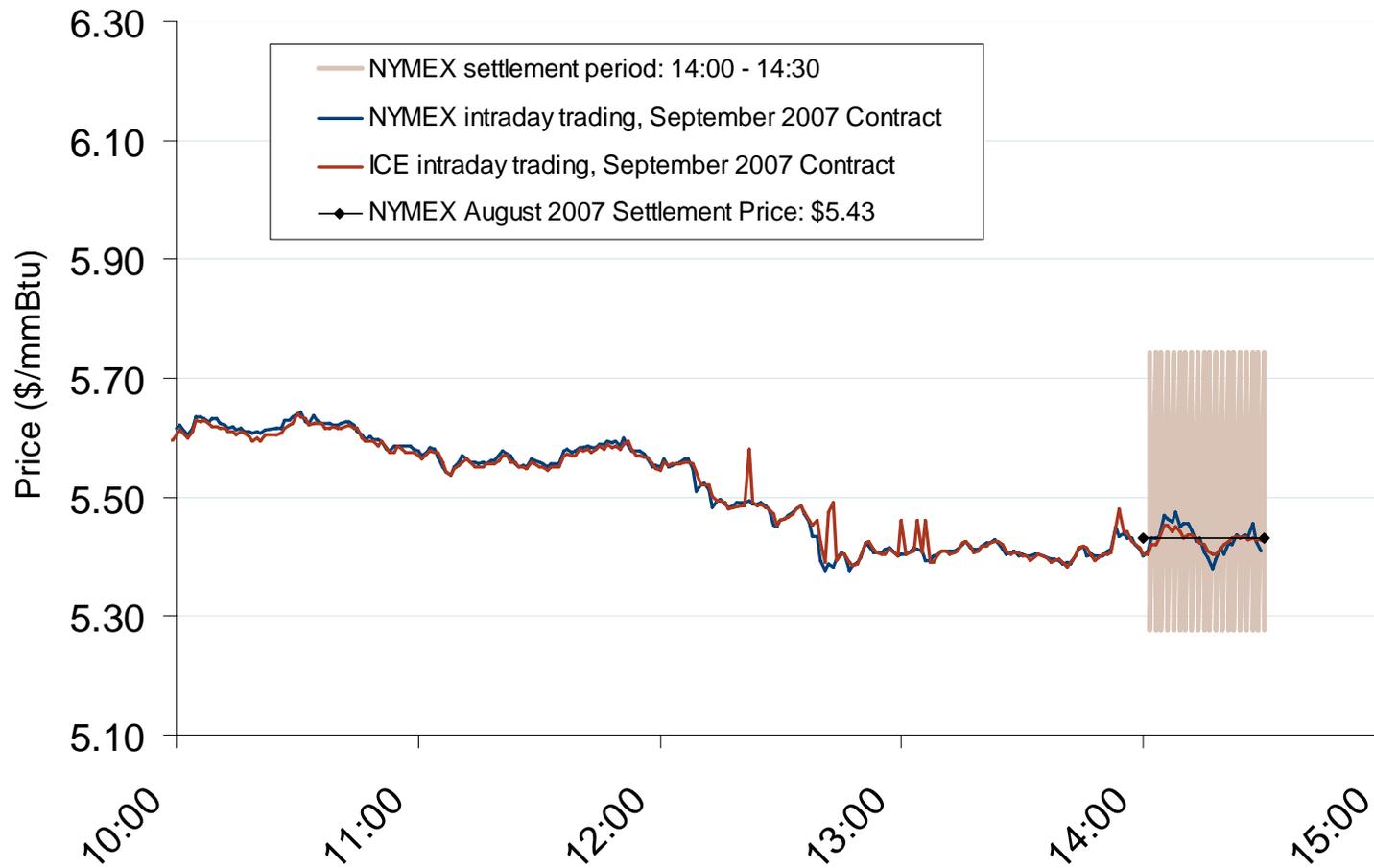
- A RPS requires a percent of energy sales or installed capacity to come from renewable resources.
- 25 states and DC now have renewable energy standards. Three more have goals. This summer, North Carolina enacted an RPS, Delaware doubled its requirement, Illinois and Maine turned goals into law, and Missouri enacted a goal.
- States that adopted transmission planning and cost recovery policies to support new renewable generation include California, Colorado, Minnesota, New Mexico, and Texas.



**Notes:** Minnesota’s requirement for Xcel Energy exceeds the state’s: it is 30% by 2020; Alaska has no RPS.  
**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.

Updated August 30, 2007

## September 2007 NYMEX and ICE Contract Final Settlement Day



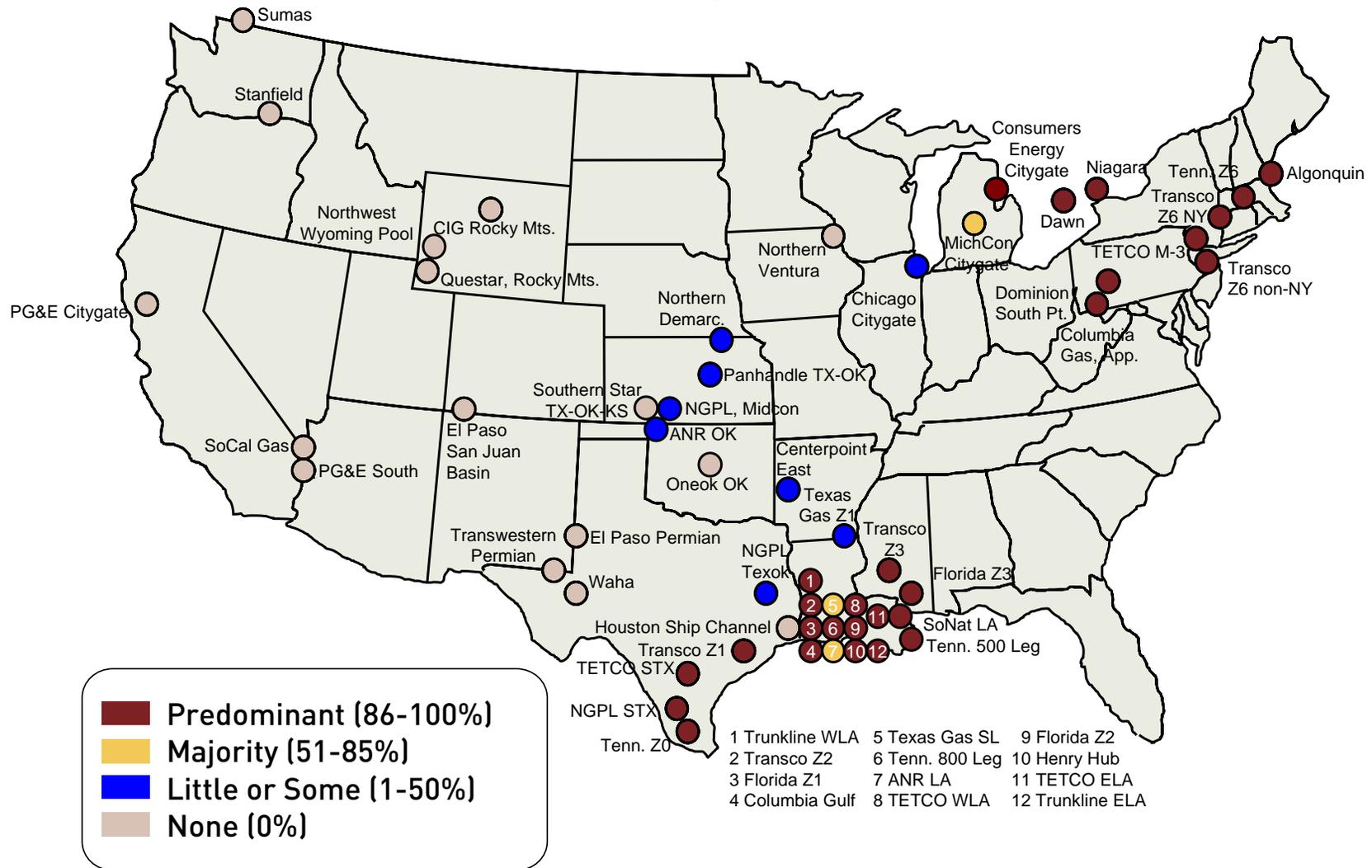
See 2003-2007 historical monthly final settlement day charts.

August 29, 2007 Trade Time

Source: Derived from Nymex and ICE data.

Created September 6, 2007

# Use of Physical Basis in Natural Gas Price Indices at Major Trading Points, 2007



Source: Derived from *Platts* data for January through June 2007.

Updated July 17, 2007