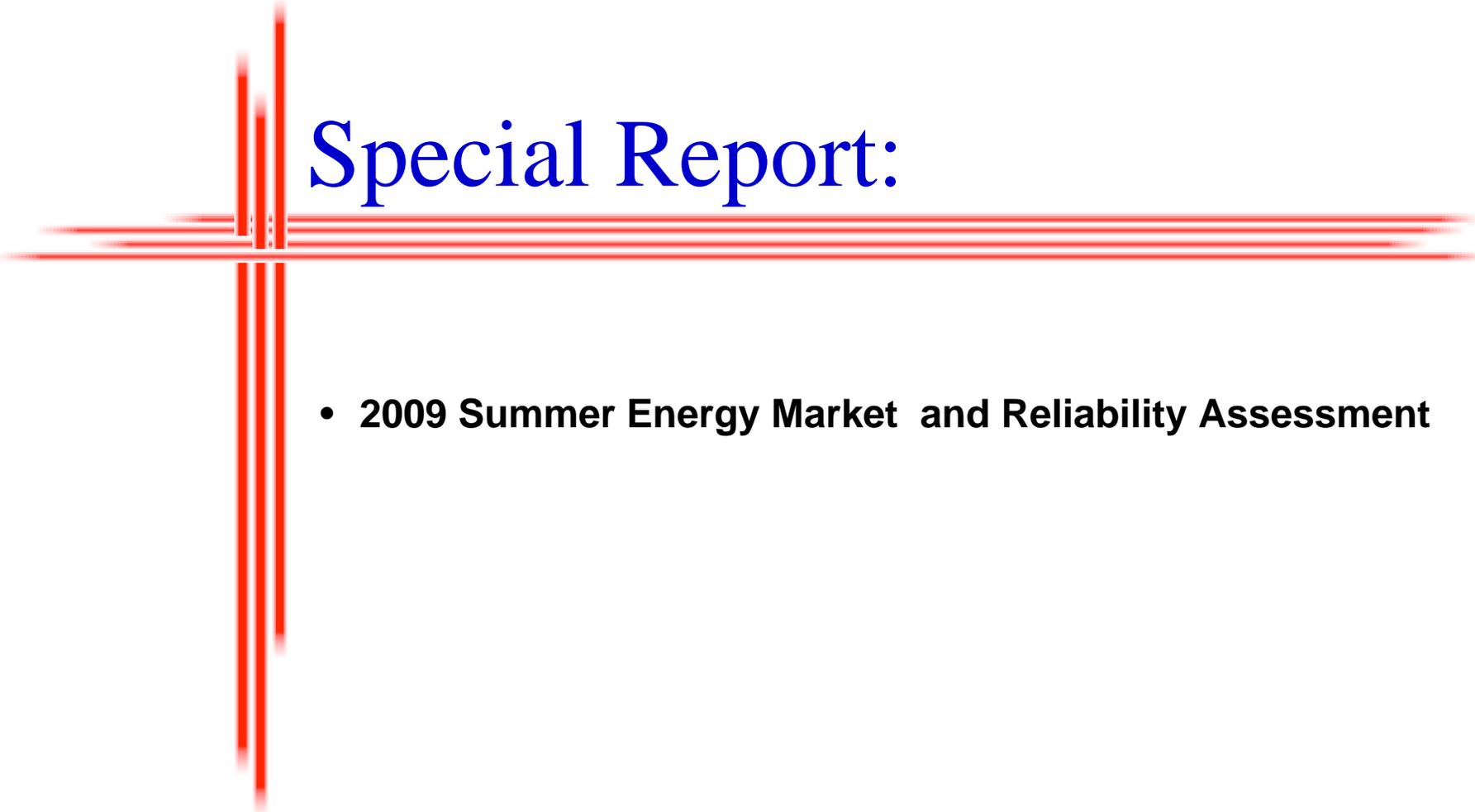


OE ENERGY MARKET SNAPSHOT

Midwest States Version – May 2009 Data

- **Special Report**
- **Electricity Markets**
- **Natural Gas and Fuel Markets**

Office of Enforcement
Federal Energy Regulatory Commission
June 2009



Special Report:

- **2009 Summer Energy Market and Reliability Assessment**



2009 Summer Energy Market Reliability Assessment

**Item No. A-3
May 21, 2009**

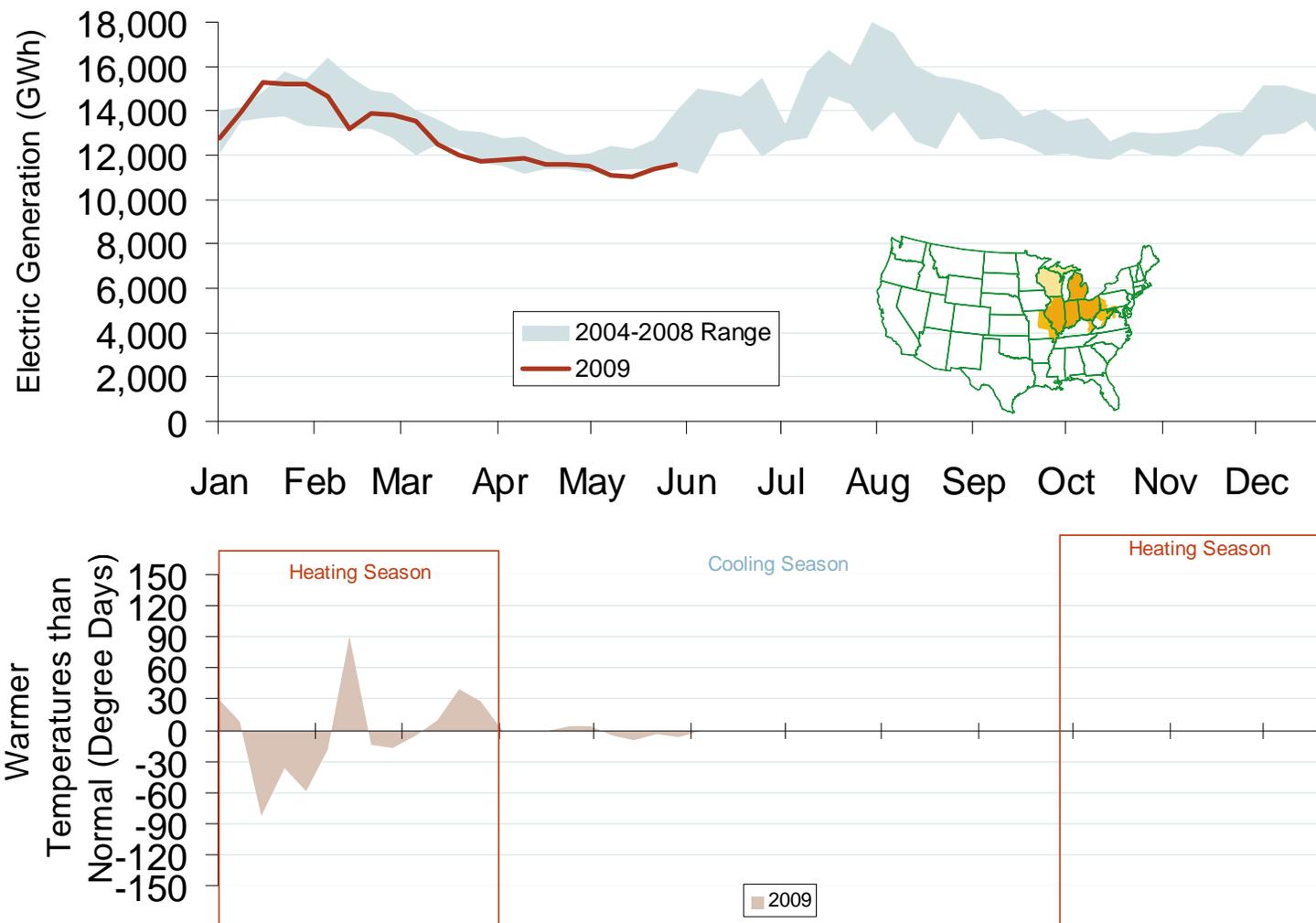
1

www.ferc.gov/market-oversight/mkt-views/2009/05-21-09.pdf

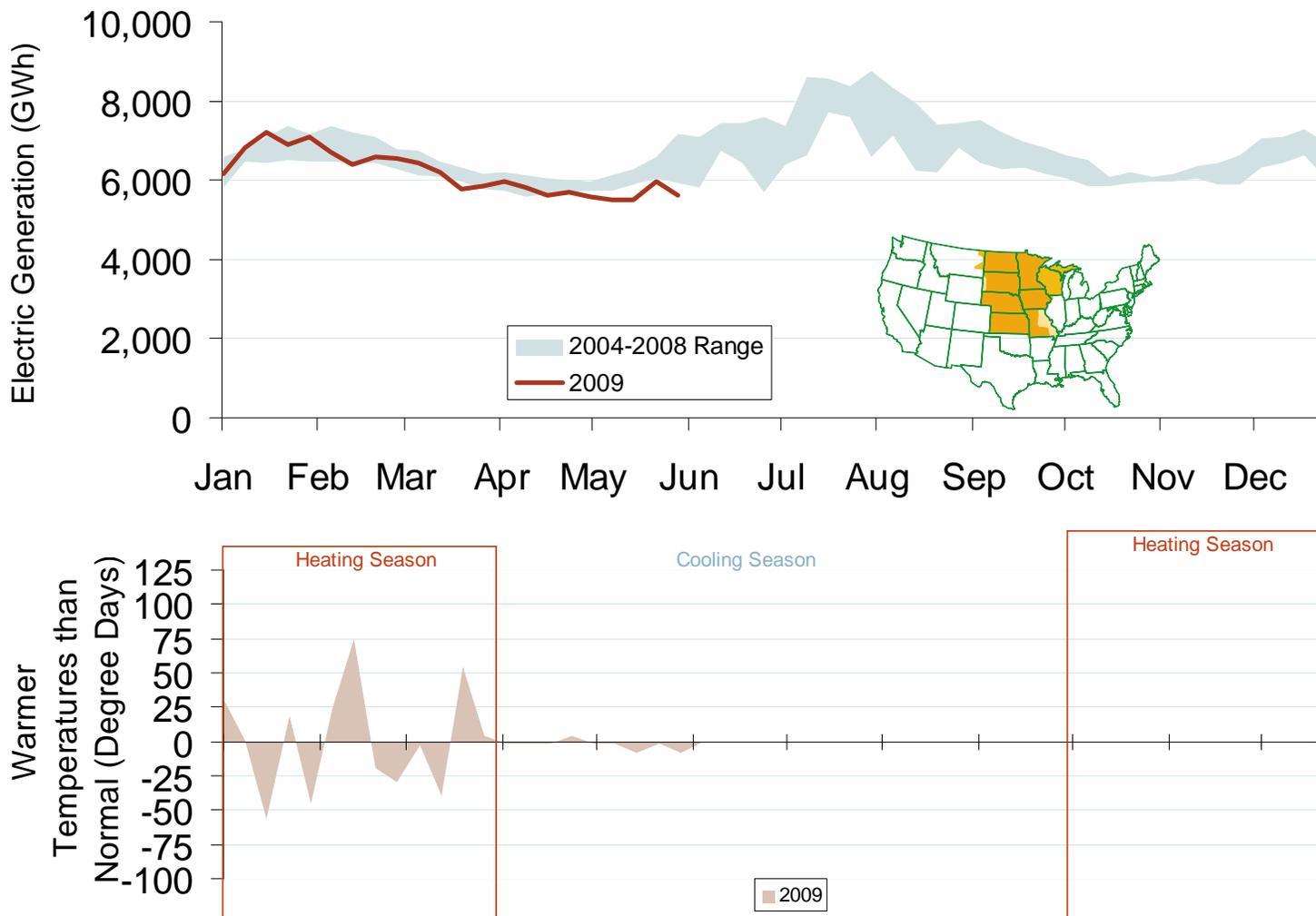


Electricity Markets

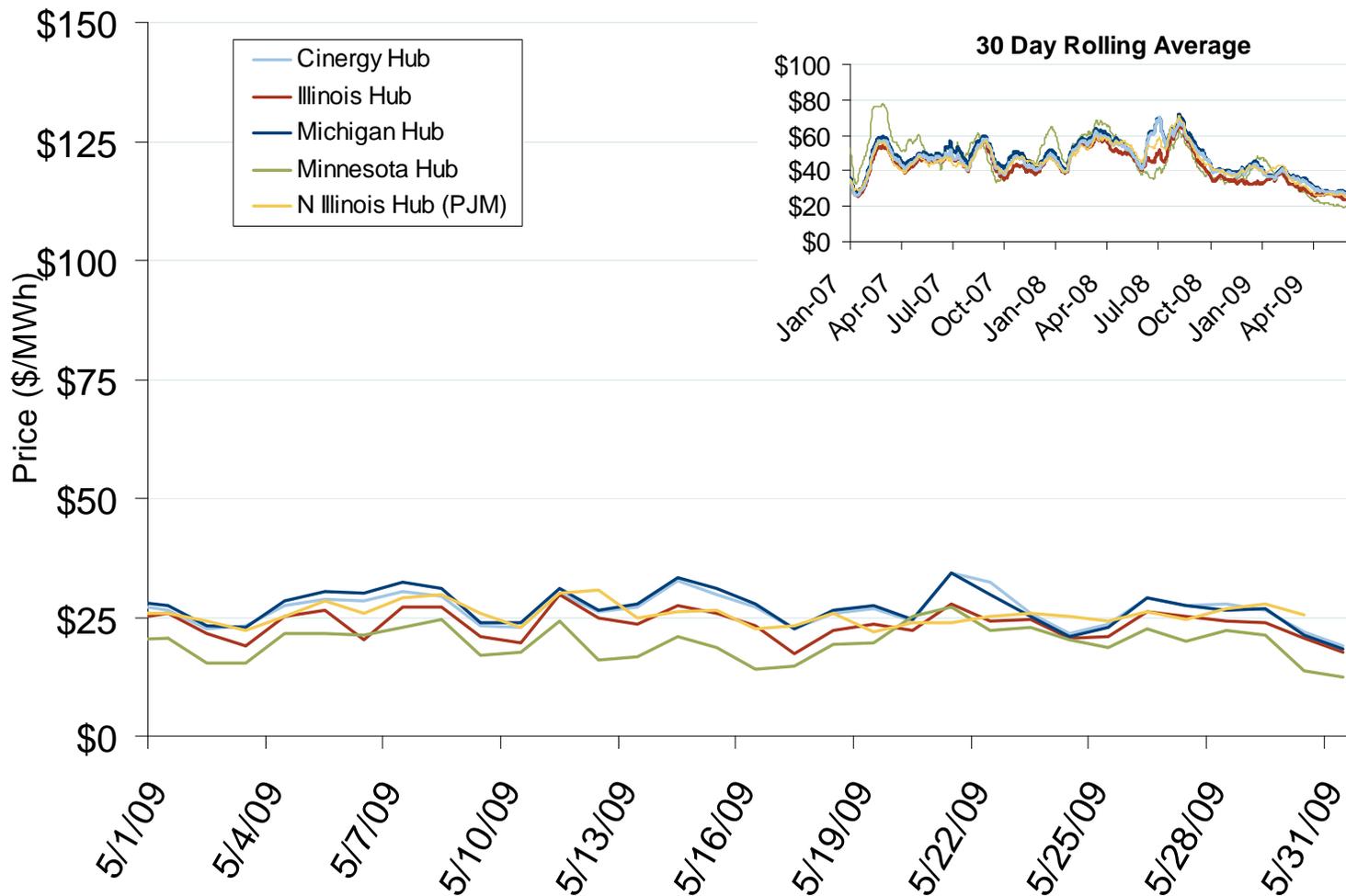
Weekly Electric Generation Output and Temperatures Central Industrial Region



Weekly Electric Generation Output and Temperatures West Central Region

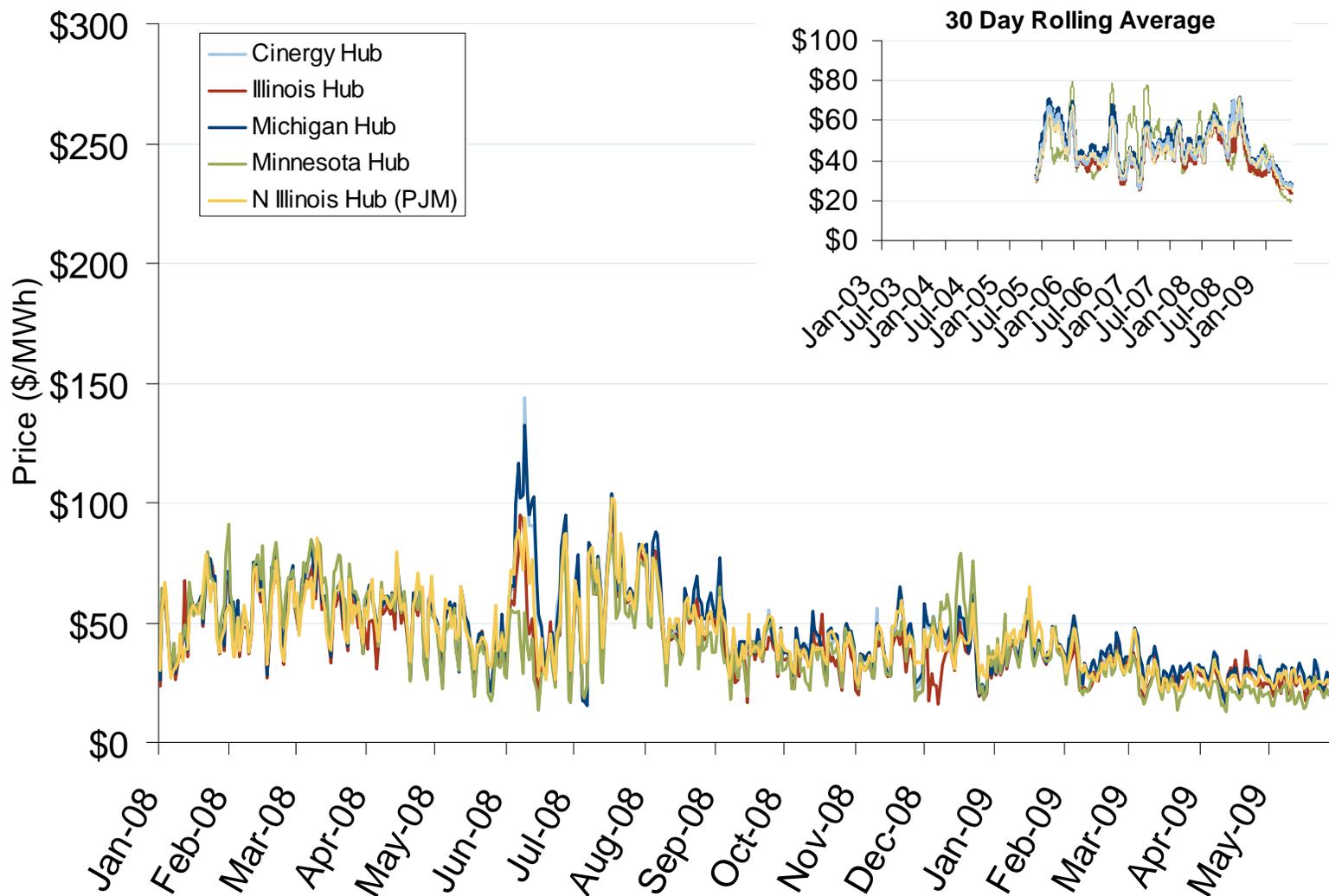


Daily Average of MISO Day-Ahead Prices - All Hours



Source: Derived by Bloomberg from MISO and PJM data as reported by Bloomberg.
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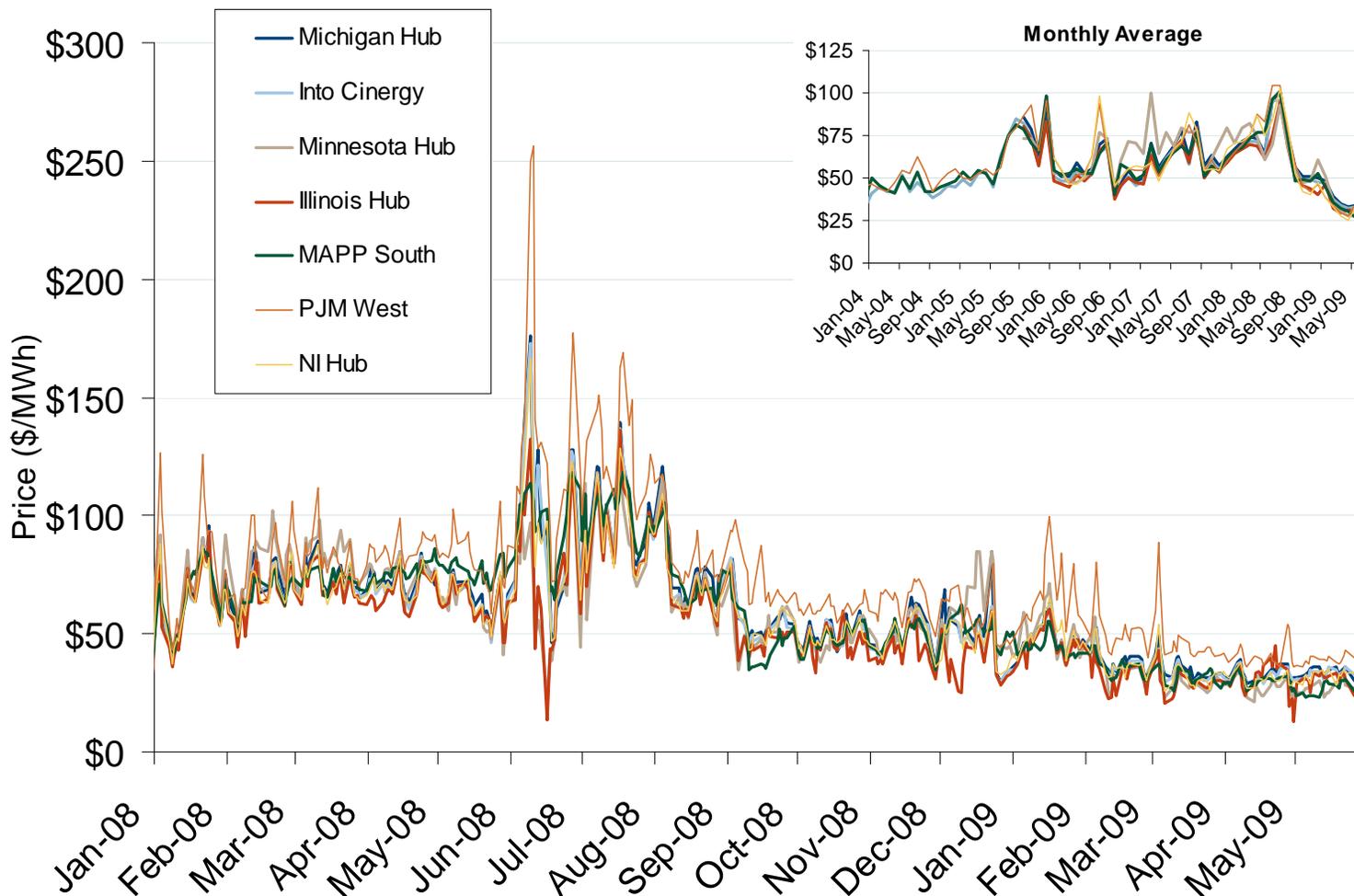
Daily Average of MISO Day-Ahead Prices - All Hours



Source: Derived by Bloomberg from MISO and PJM data as reported by Bloomberg.
 June 2009 Midwest Snapshot Report

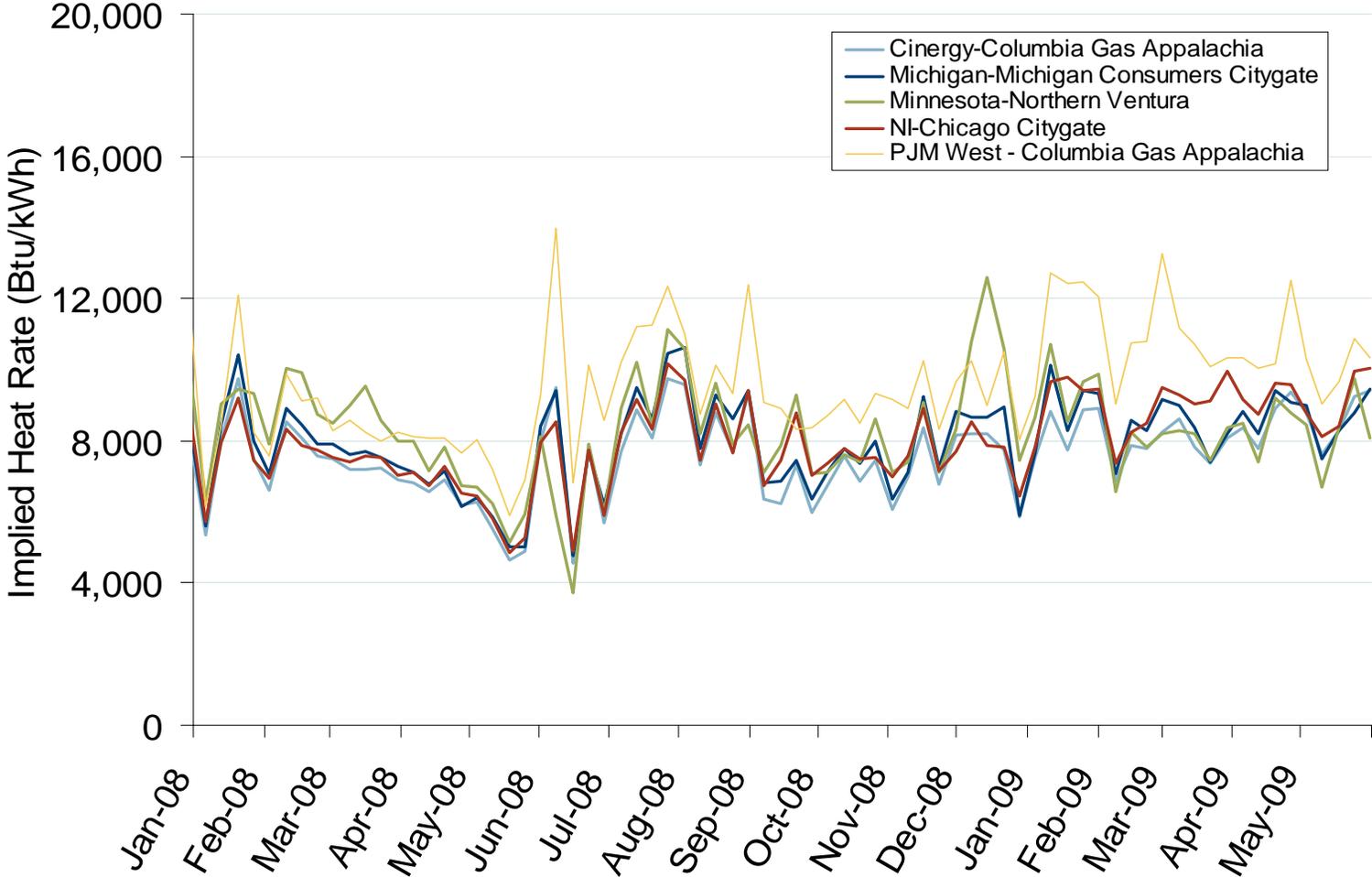
Updated June 5, 2009

MISO/PJM Bilateral Day-Ahead On-Peak Prices



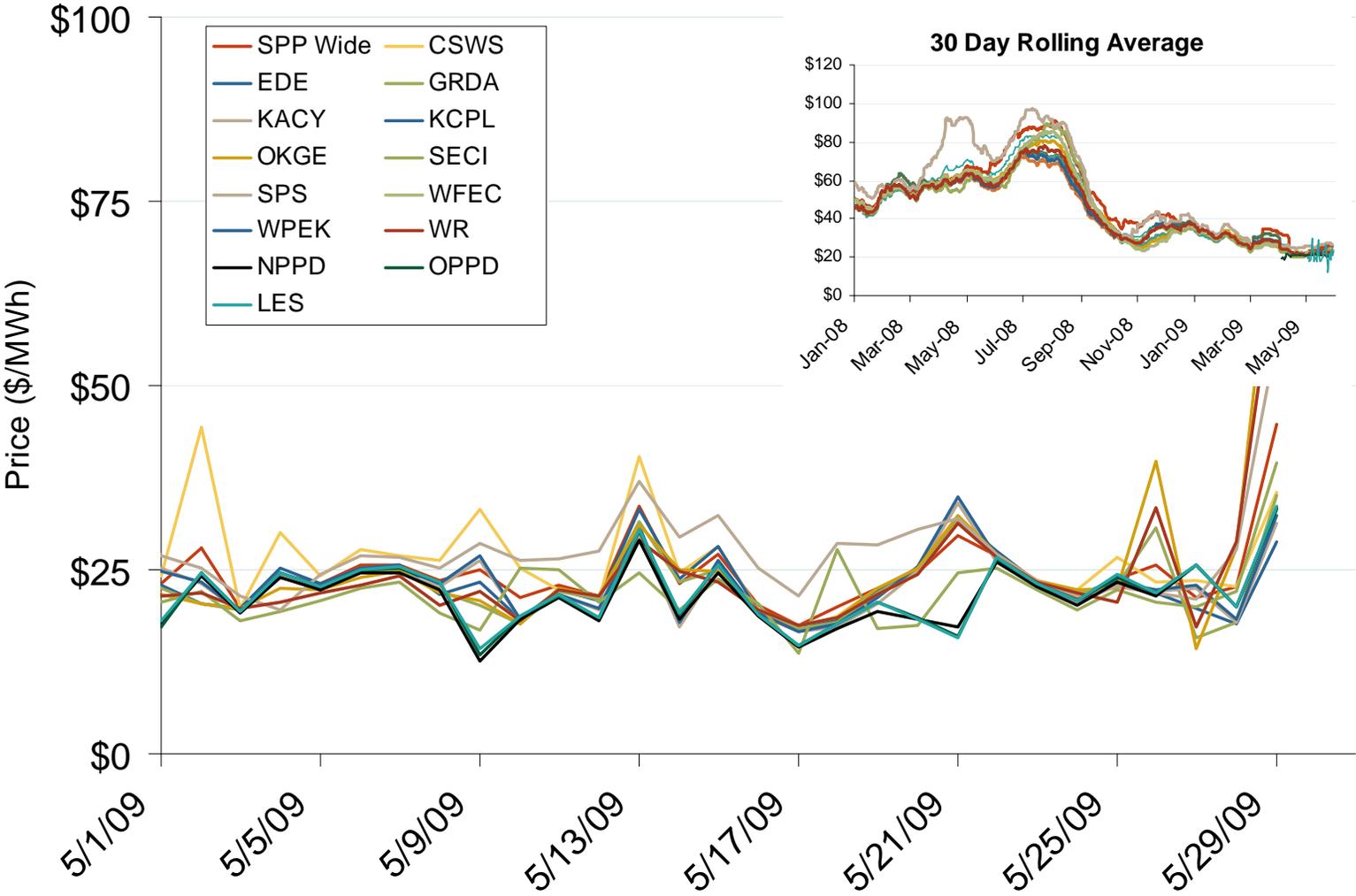
Source: Derived from *Platts* data.
June 2009 Midwest Snapshot Report

Implied Heat Rates at MISO and PJM Hubs Weekly Averages



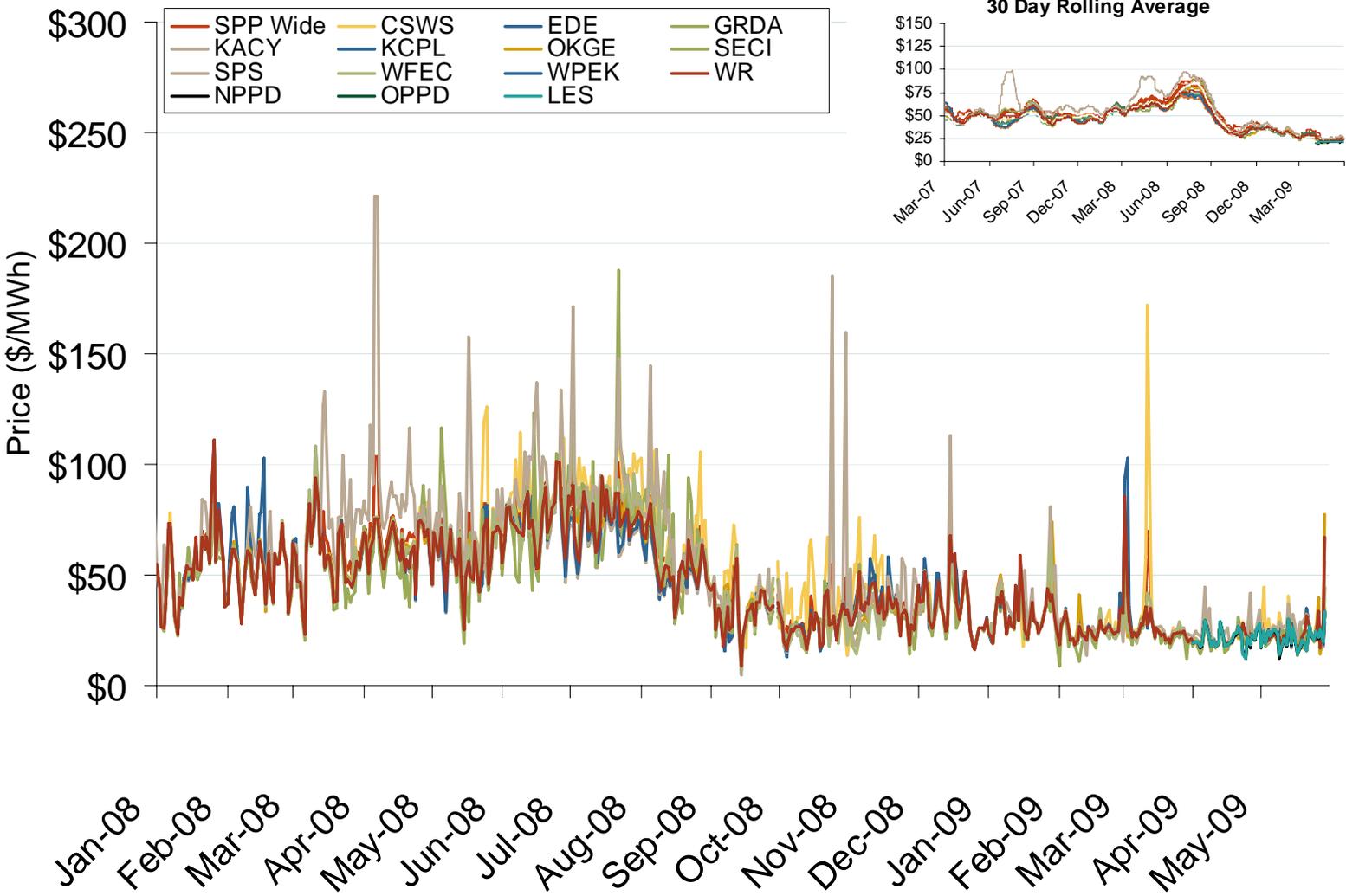
Source: Derived from *Platts* data
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Daily Average of SPP Real Time Prices - All Hours



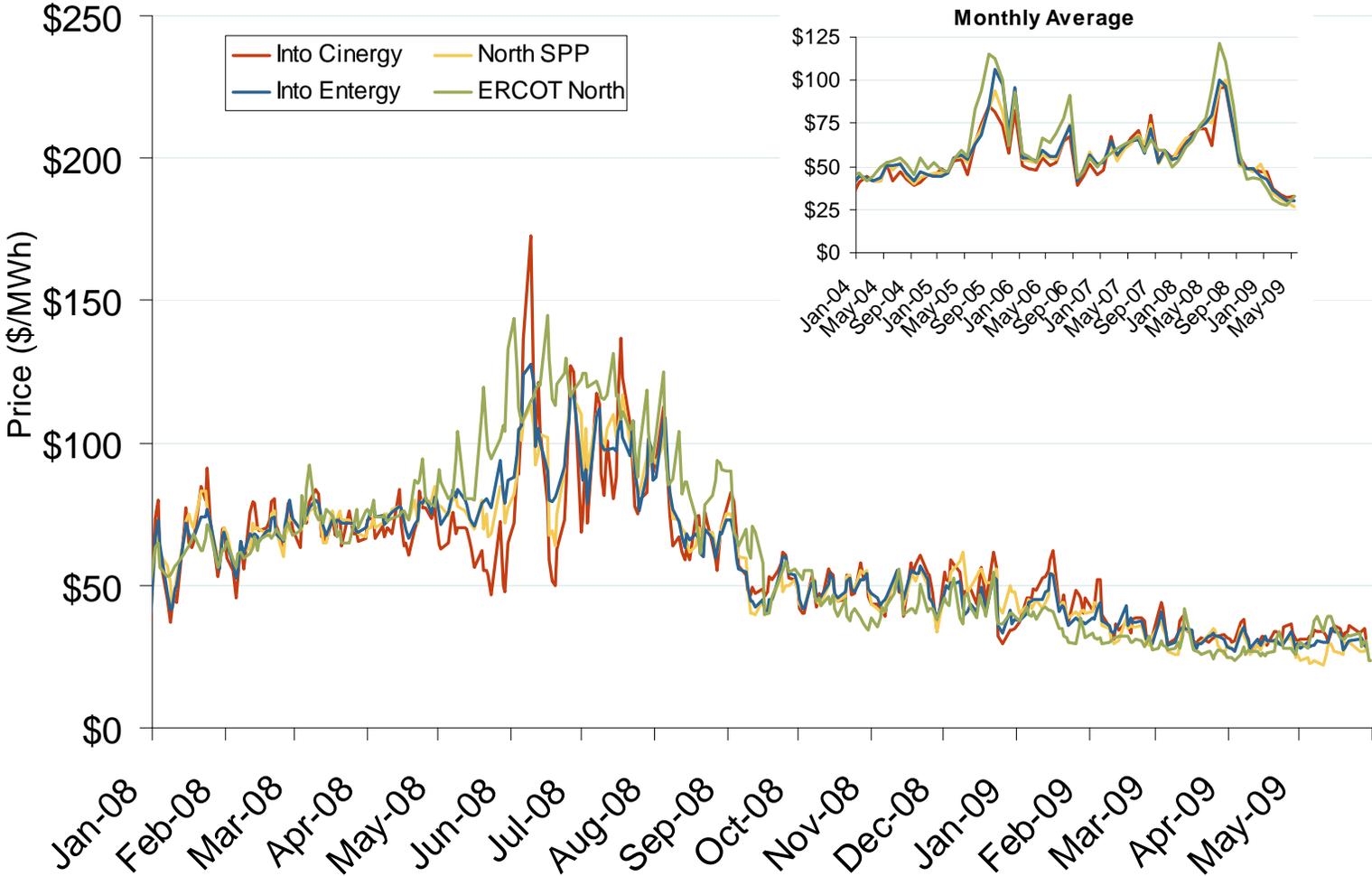
Source: Derived from SPP data.
June 2009 Midwest Snapshot Report

Daily Average of SPP Real Time Prices - All Hours



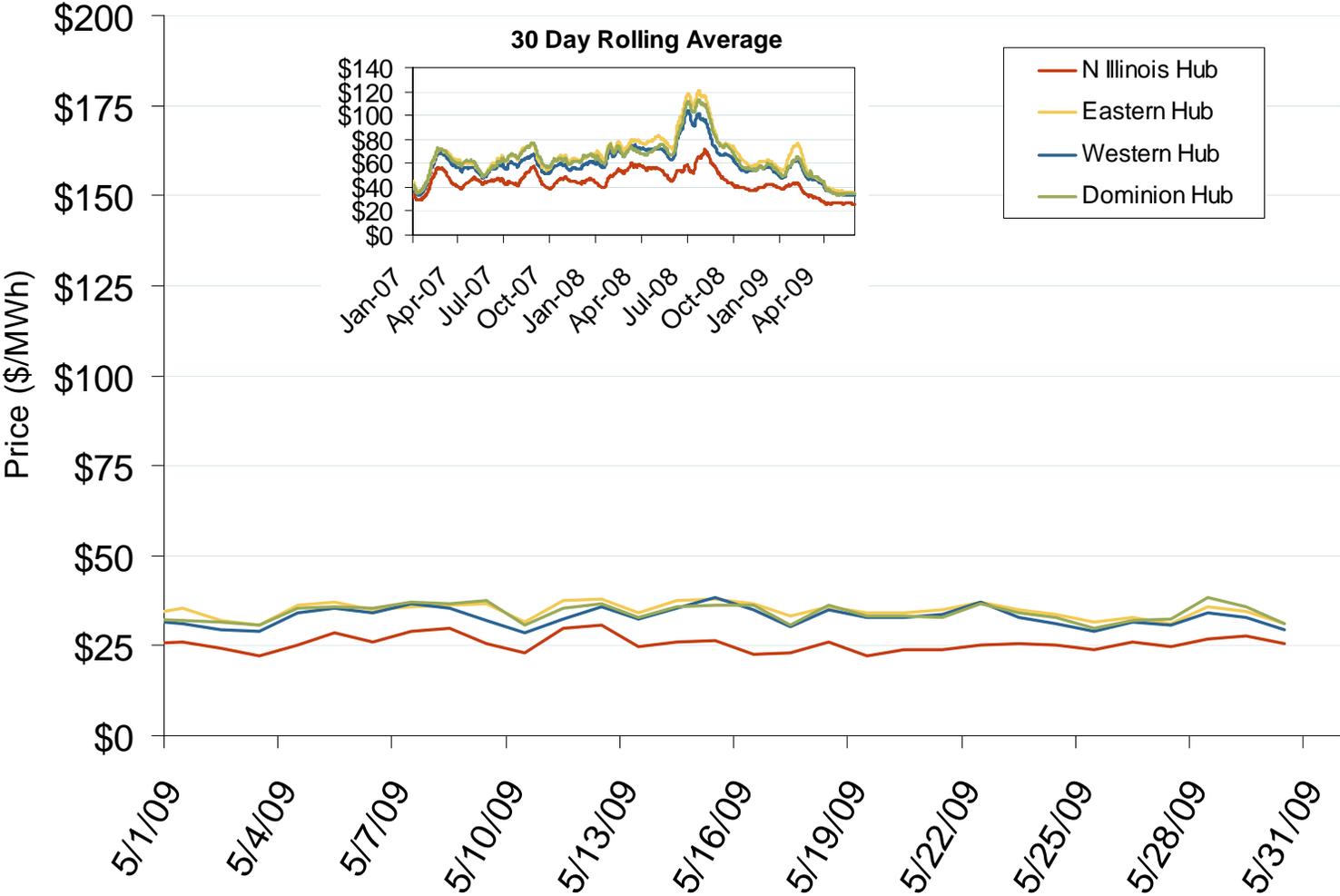
Source: Derived from SPP data.

Central Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from *Platts* data.
June 2009 Midwest Snapshot Report

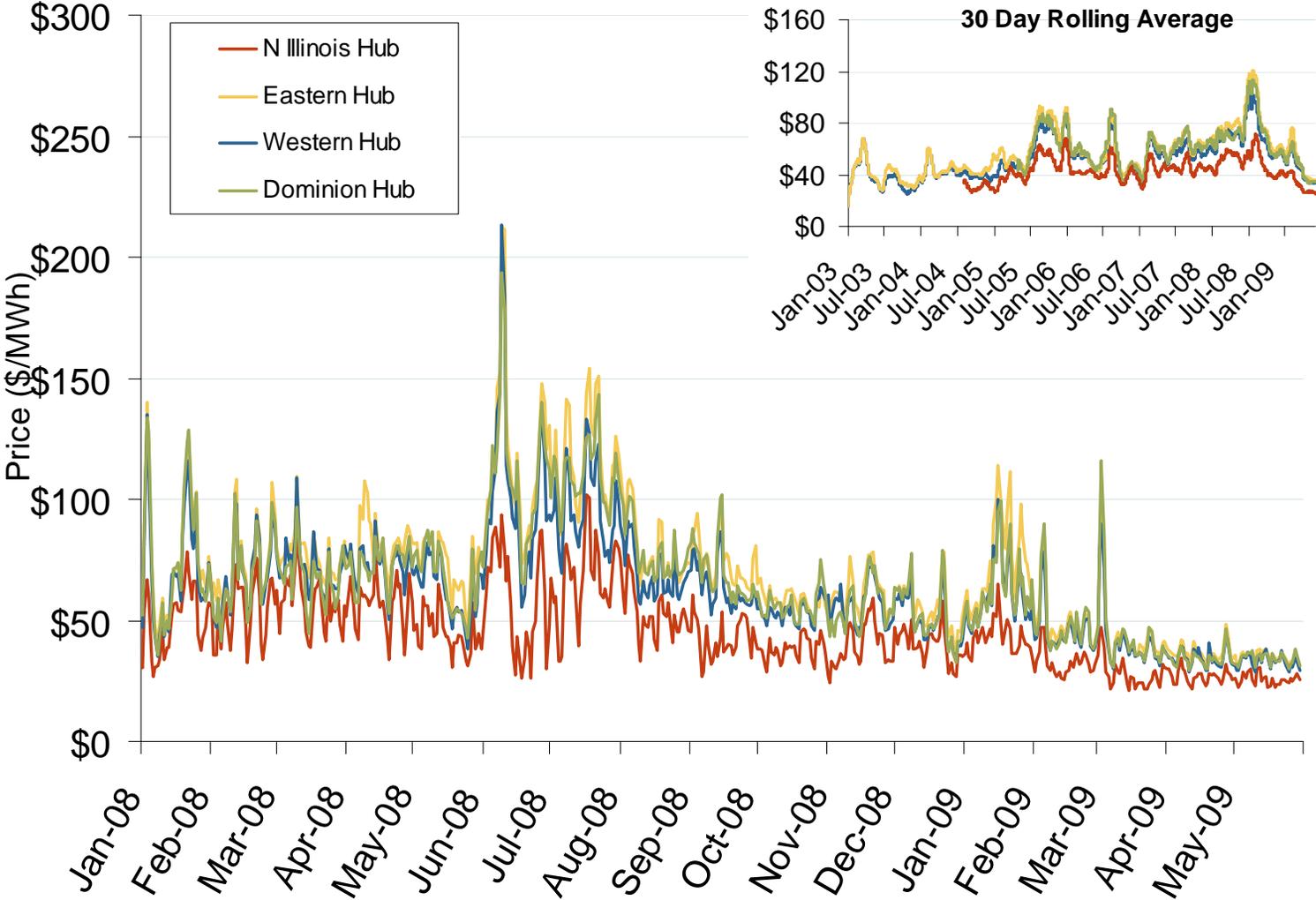
Daily Average of PJM Day-Ahead Prices - All Hours



Source: Derived by Bloomberg from PJM data as reported by Bloomberg.
June 2009 Midwest Snapshot Report

Updated June 5, 2009

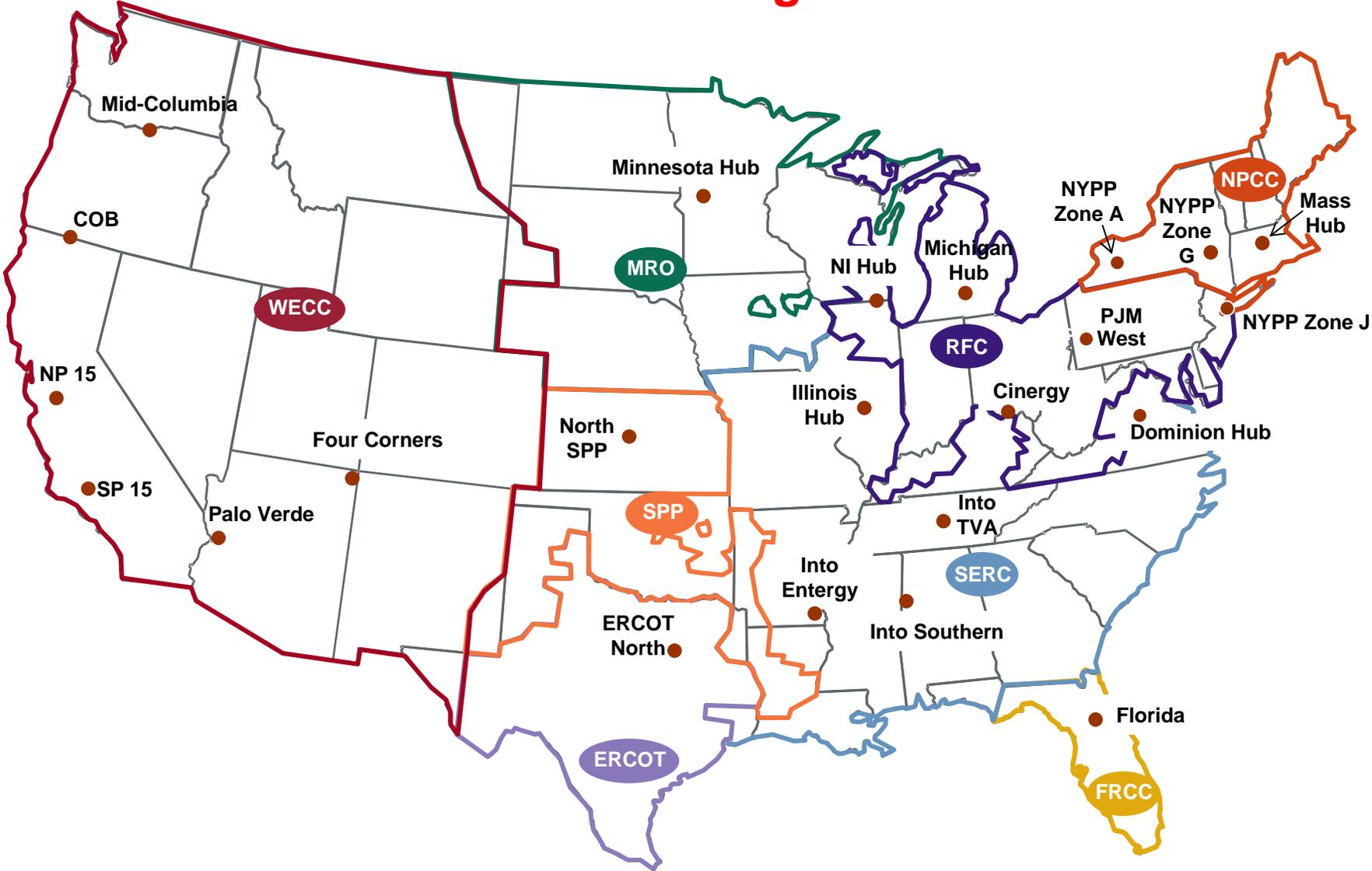
Daily Average of PJM Day-Ahead Prices - All Hours



Source: Derived by Bloomberg from PJM data as reported by Bloomberg.
June 2009 Midwest Snapshot Report

Updated June 5, 2009

Electric Pricing Points



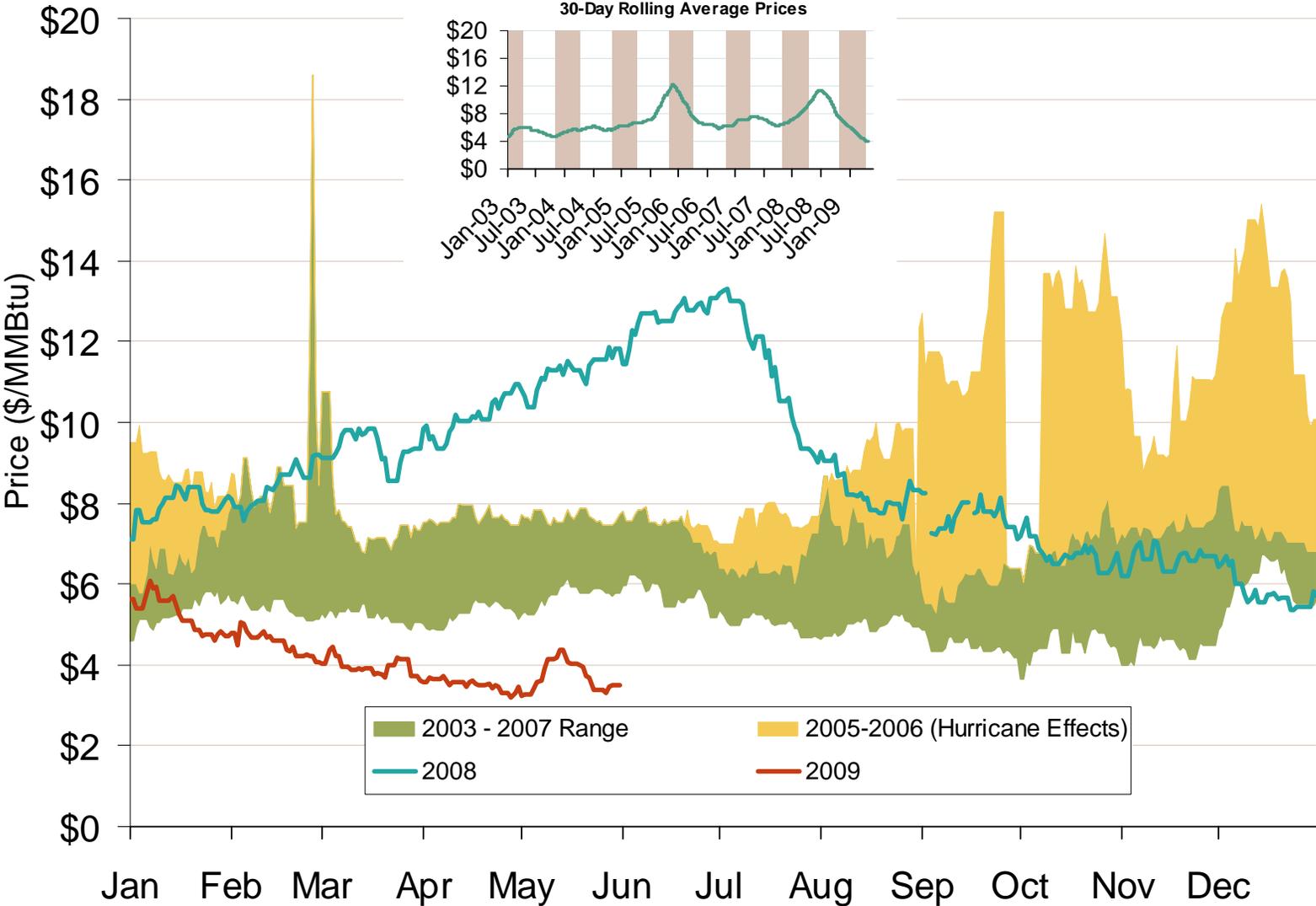
Note: Pricing points reflect general locations. Actual trading regions may not be point specific.
June 2009 Midwest Snapshot Report



Natural Gas and Fuel Markets

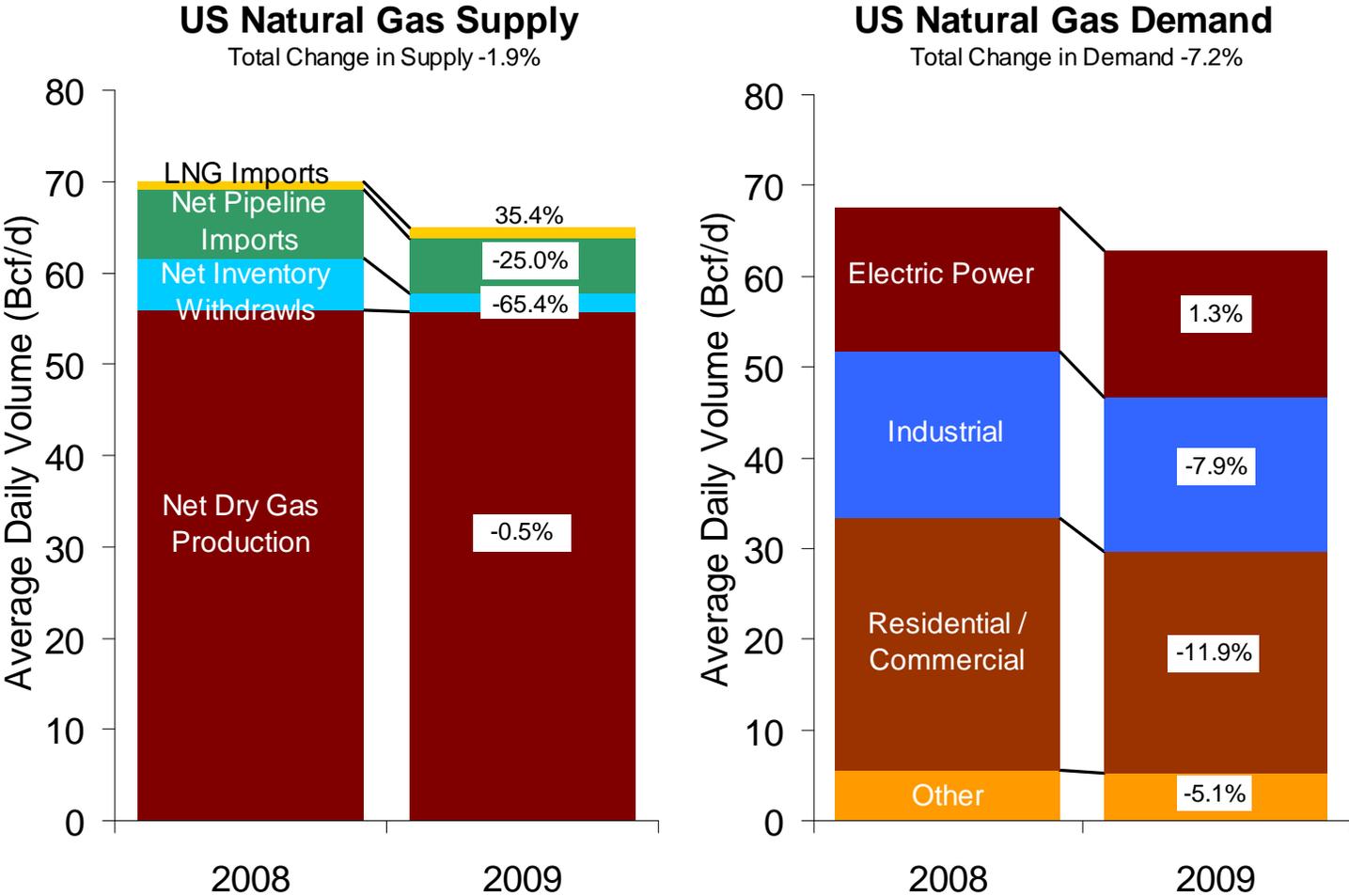
Federal Energy Regulatory Commission • Market Oversight @ FERC.gov

Henry Hub Natural Gas Daily Spot Prices 2008, 2009 and 2003-2007 Year Range



Source: Derived from *Platts* data.

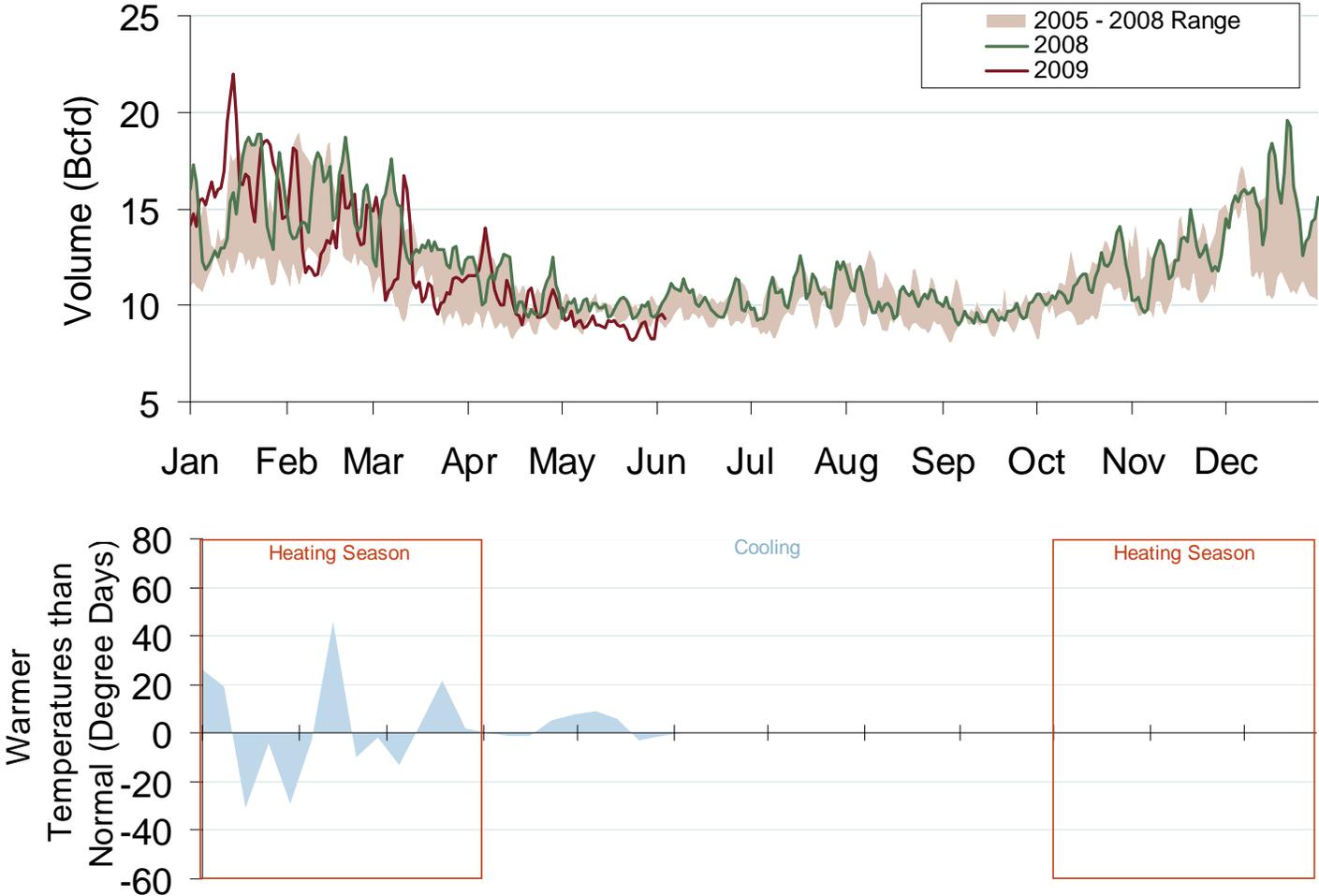
U.S. Natural Gas Supply and Demand 2008 vs. 2009: January - May



Source: Derived from Bentek data.
June 2009 Midwest Snapshot Report

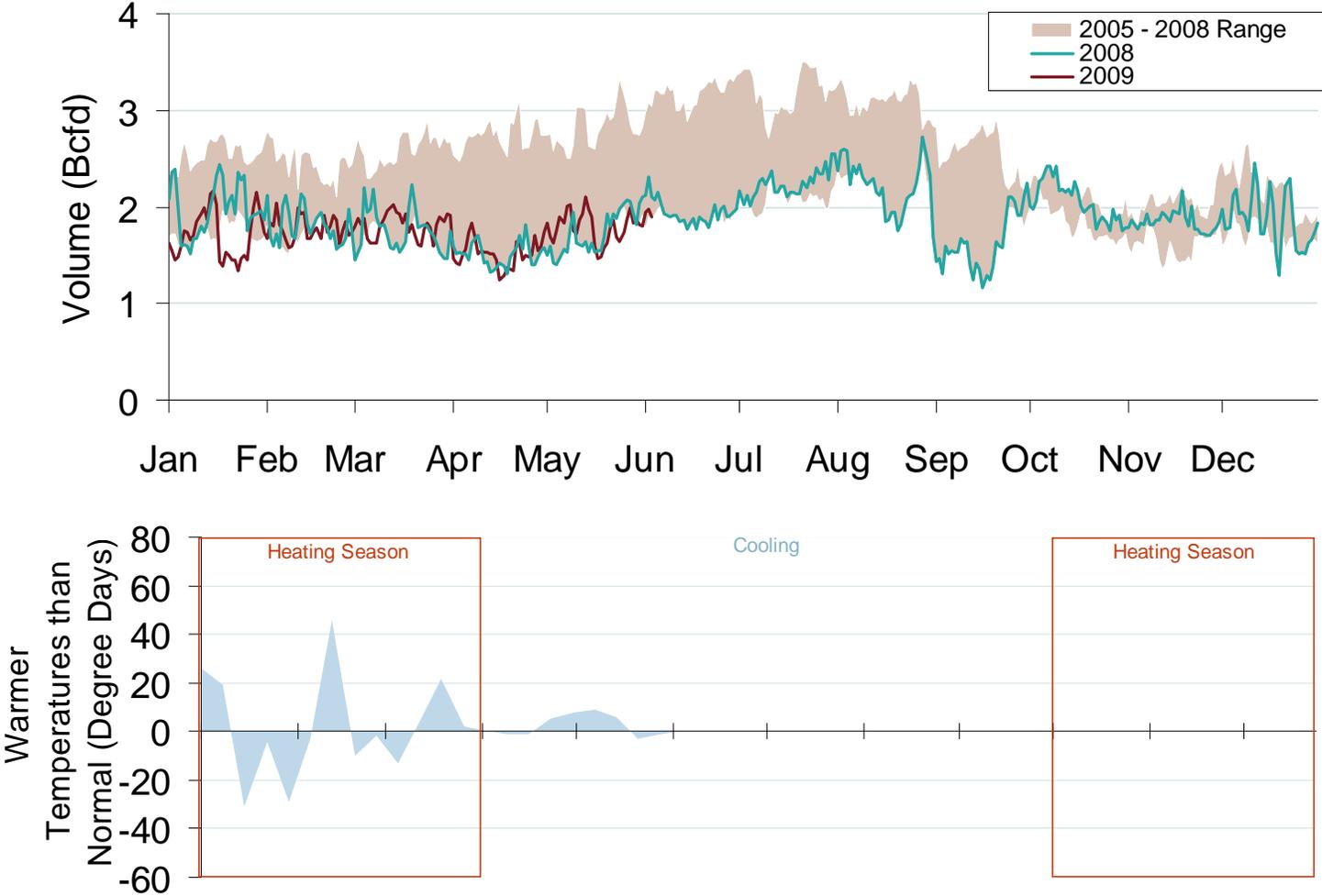
Updated June 5, 2009

Daily Midwest Natural Gas Demand All Sectors



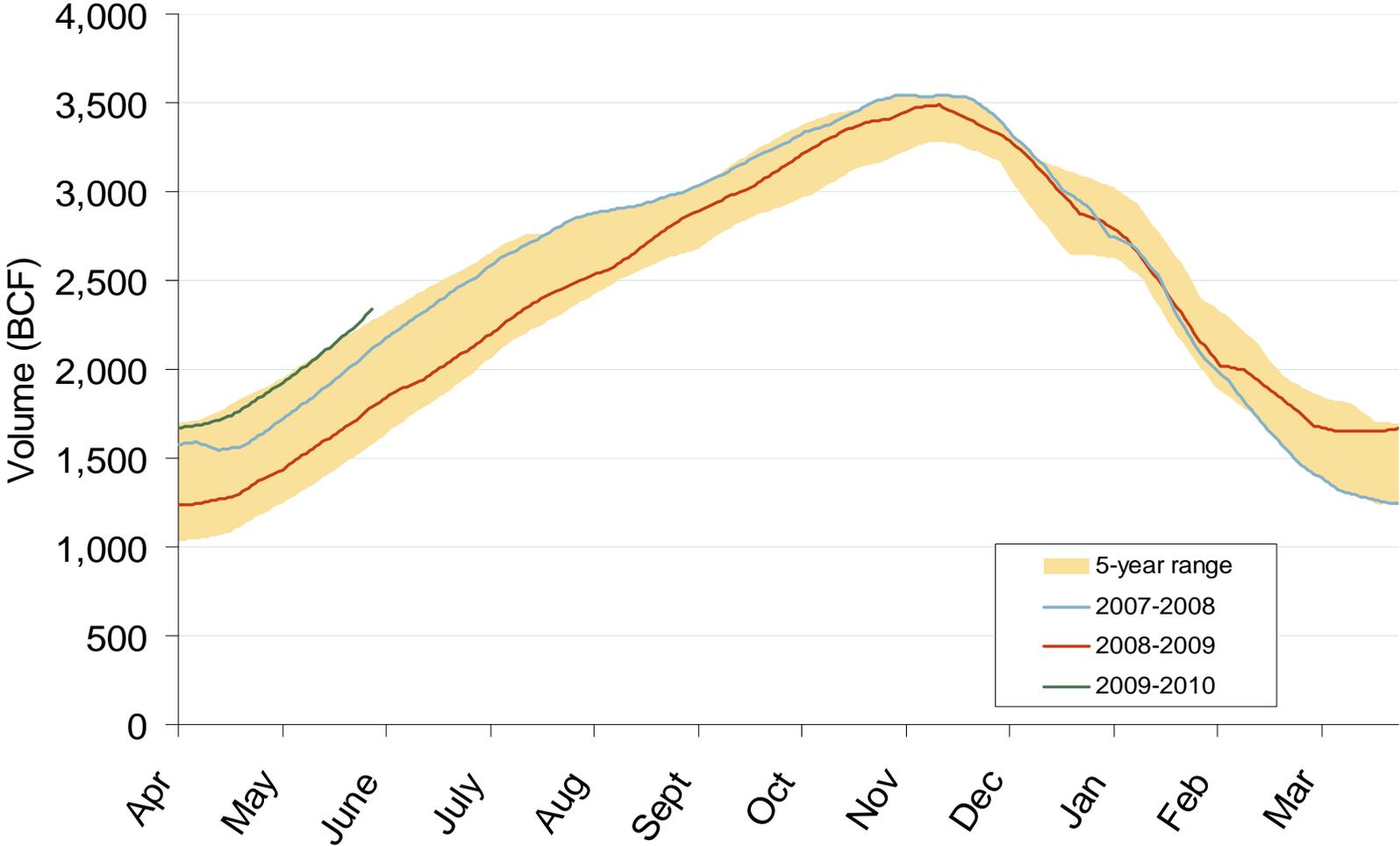
Source: Derived from *Bentek* data.
June 2009 Midwest Snapshot Report

Daily South Central Natural Gas Demand All Sectors



Source: Derived from *Bentek* data.
June 2009 Midwest Snapshot Report

Total U.S. Working Gas in Storage

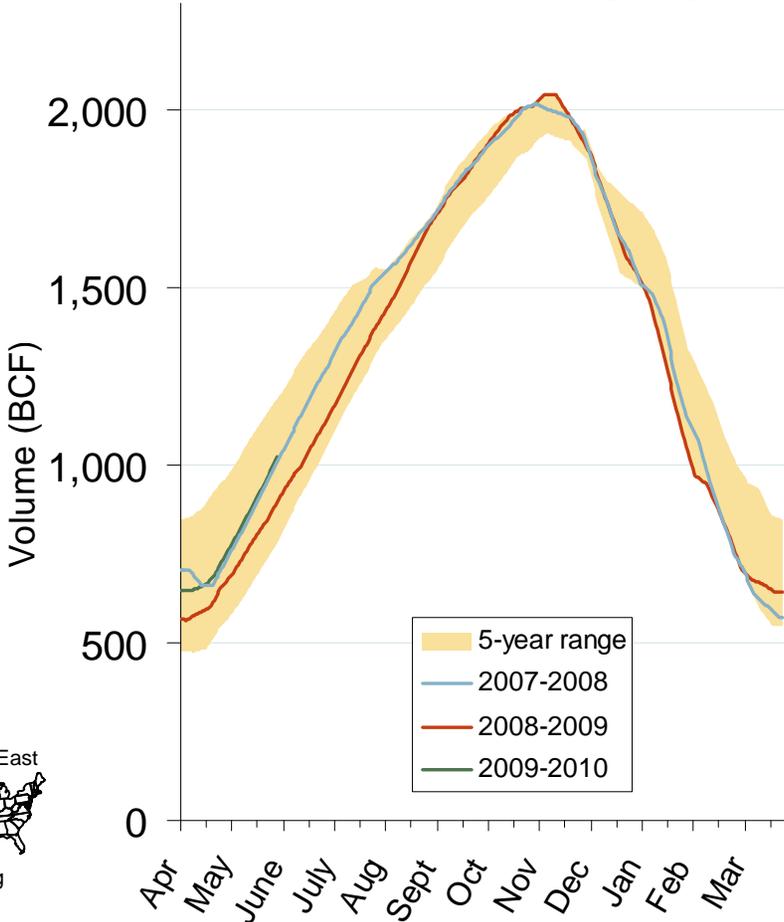


Source: Derived from EIA data.
June 2009 Midwest Snapshot Report

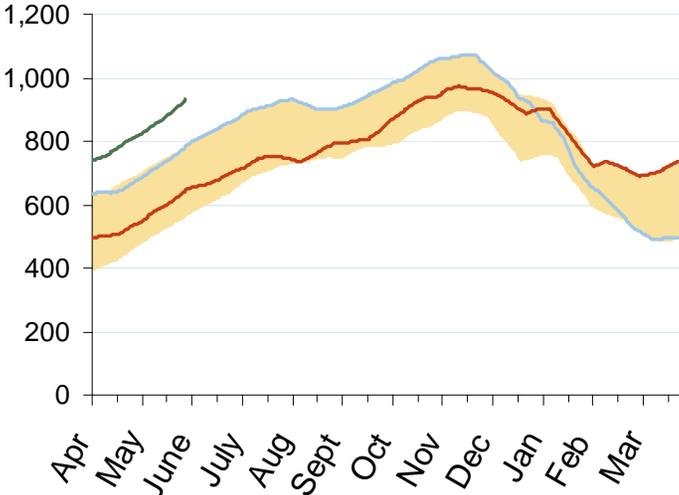
Updated June 5, 2009

Regional Totals of Working Gas in Storage

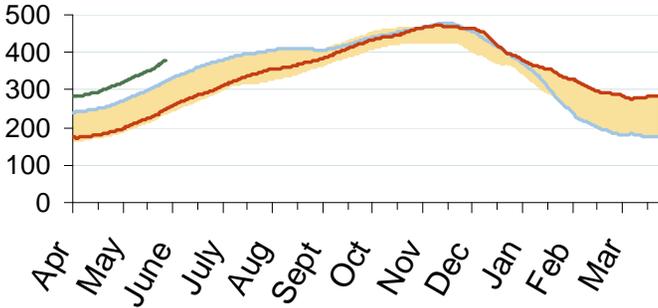
Eastern Consuming Region



Producing Region



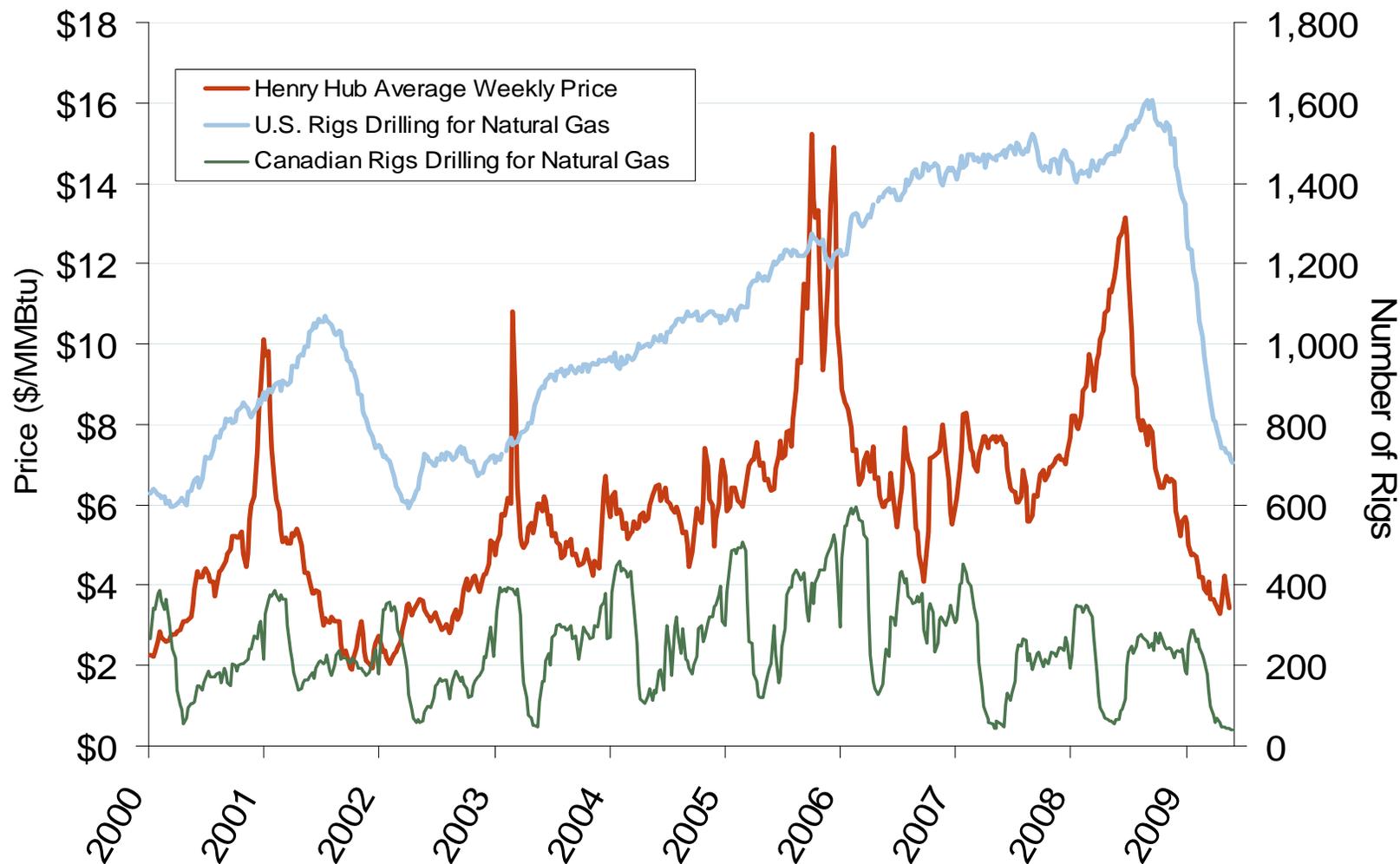
Western Consuming Region



Source: Derived from EIA data. June 2009 Midwest Snapshot Report

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

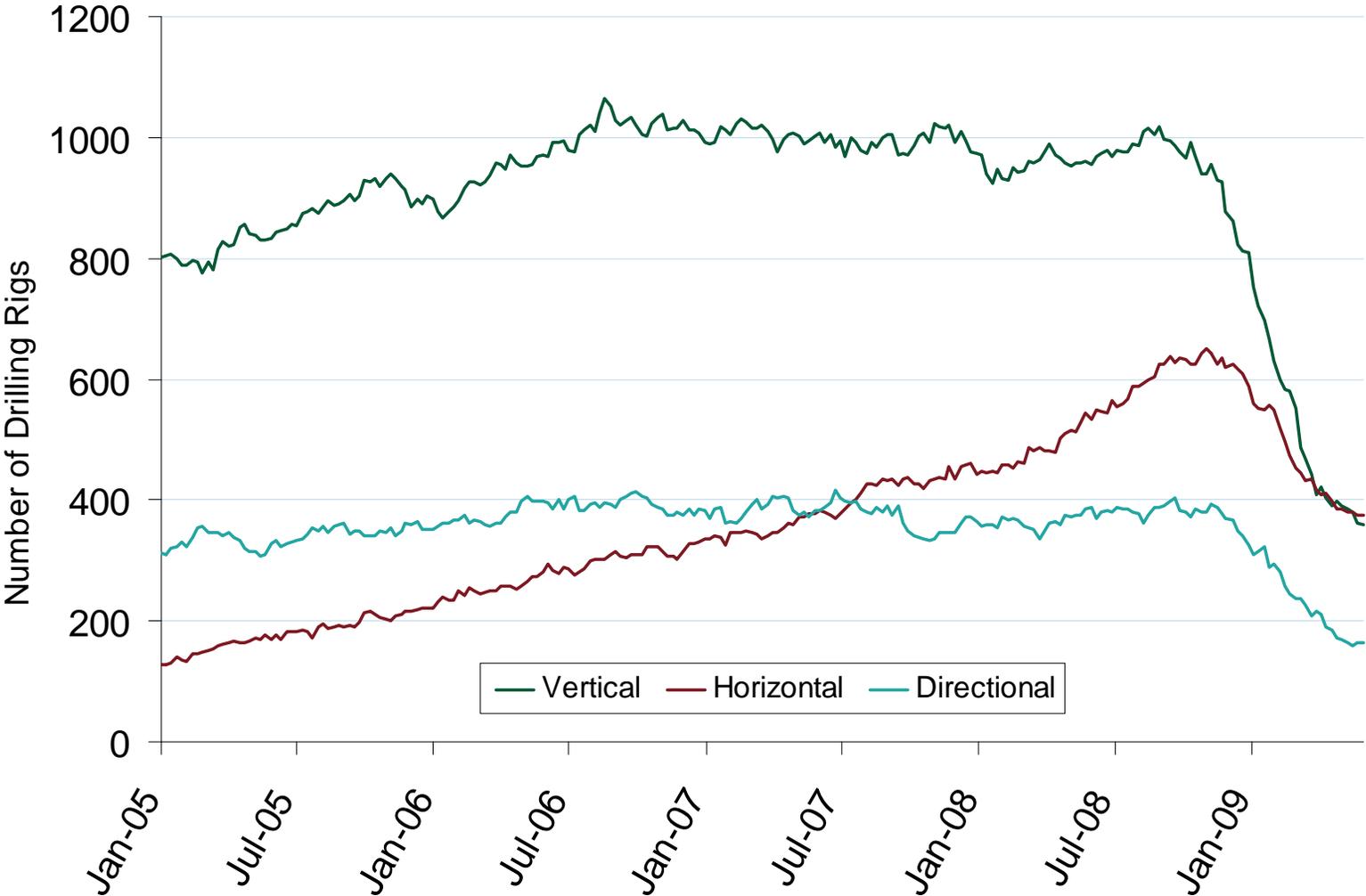


Source: Derived from *Platts* and *Baker Hughes* data.
June 2009 Midwest Snapshot Report

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2007

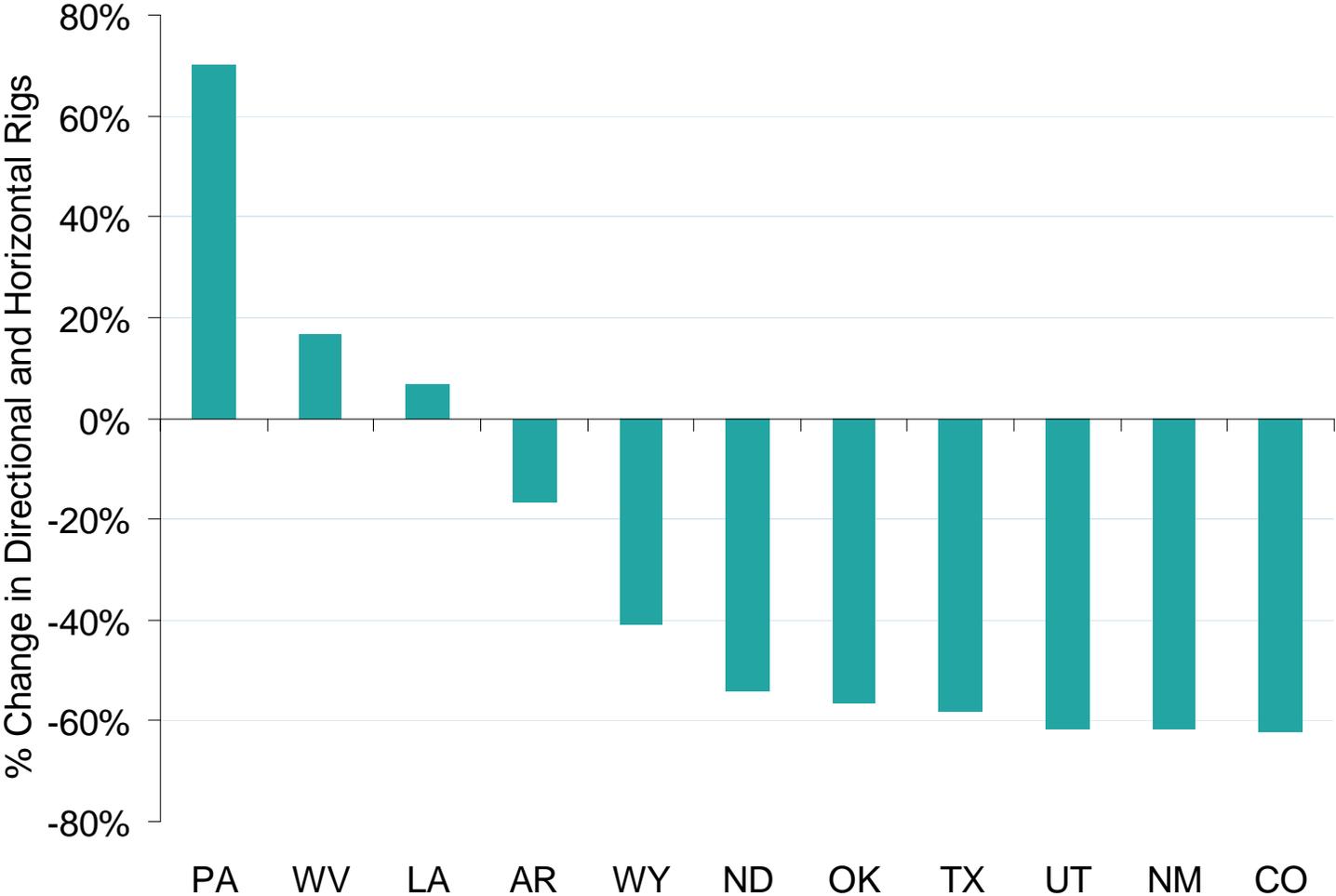
U.S. Oil and Natural Gas Drilling Rig Count by Type



Source: Derived from *Platts* and *Baker Hughes* data.
June 2009 Midwest Snapshot Report

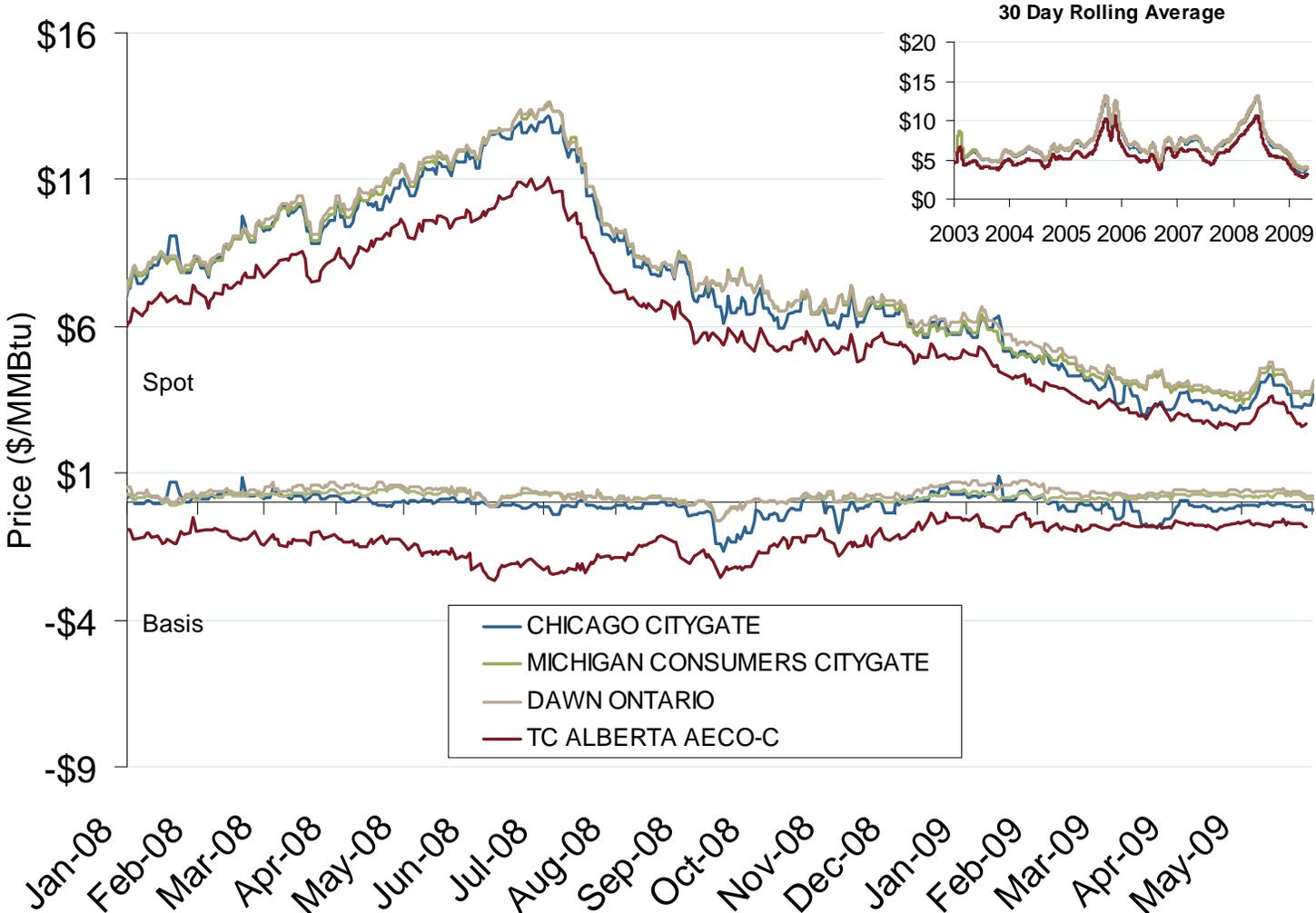
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State Level Oil and NG Drilling Rig Count Change From the September 2008 Peak



Source: Derived from *Platts* and *Baker Hughes* data.
June 2009 Midwest Snapshot Report

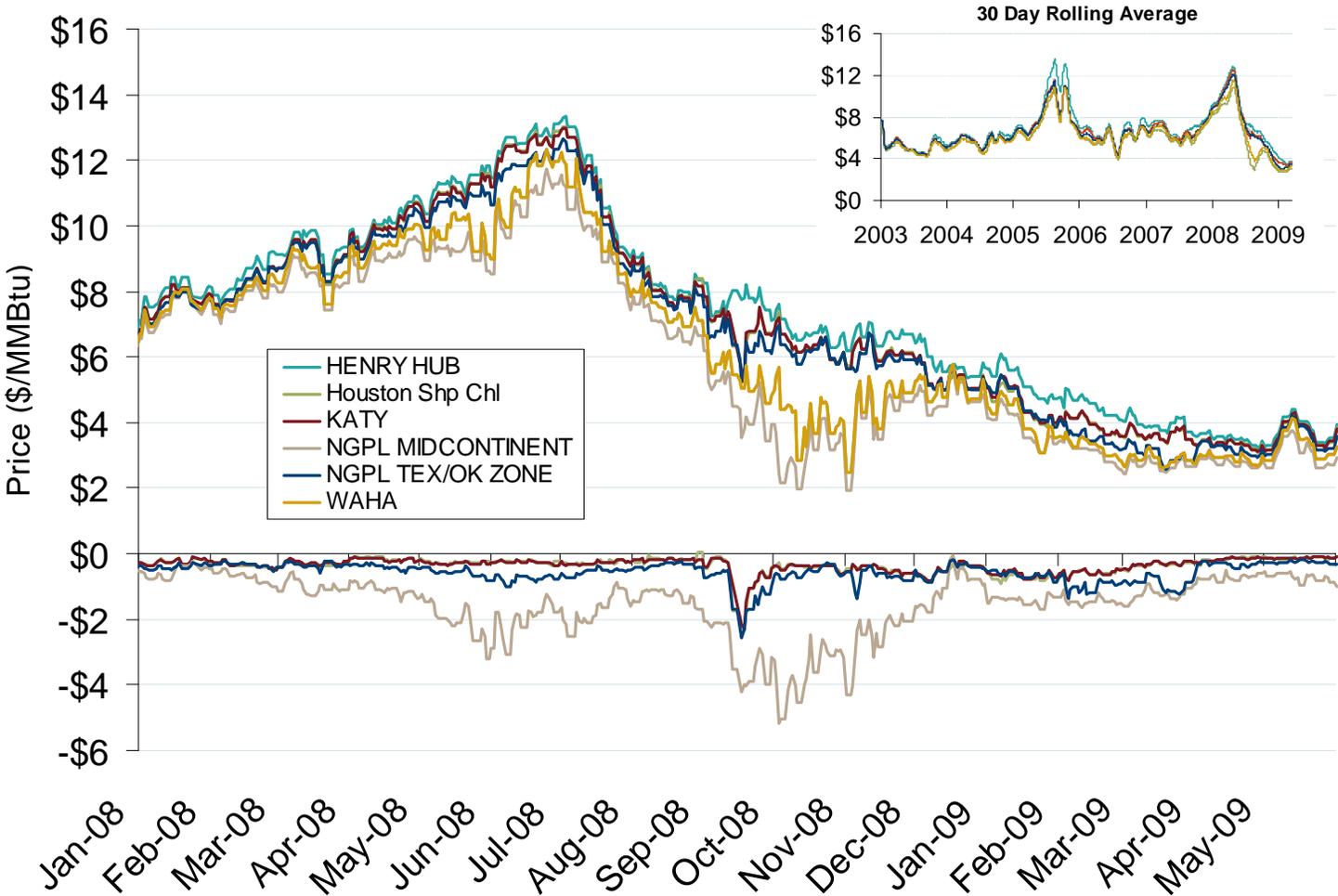
Midwestern Day-Ahead Hub Spot Prices and Basis



Source: Derived from Platts data. June 2009 Midwest Snapshot Report

Updated June 5, 2009

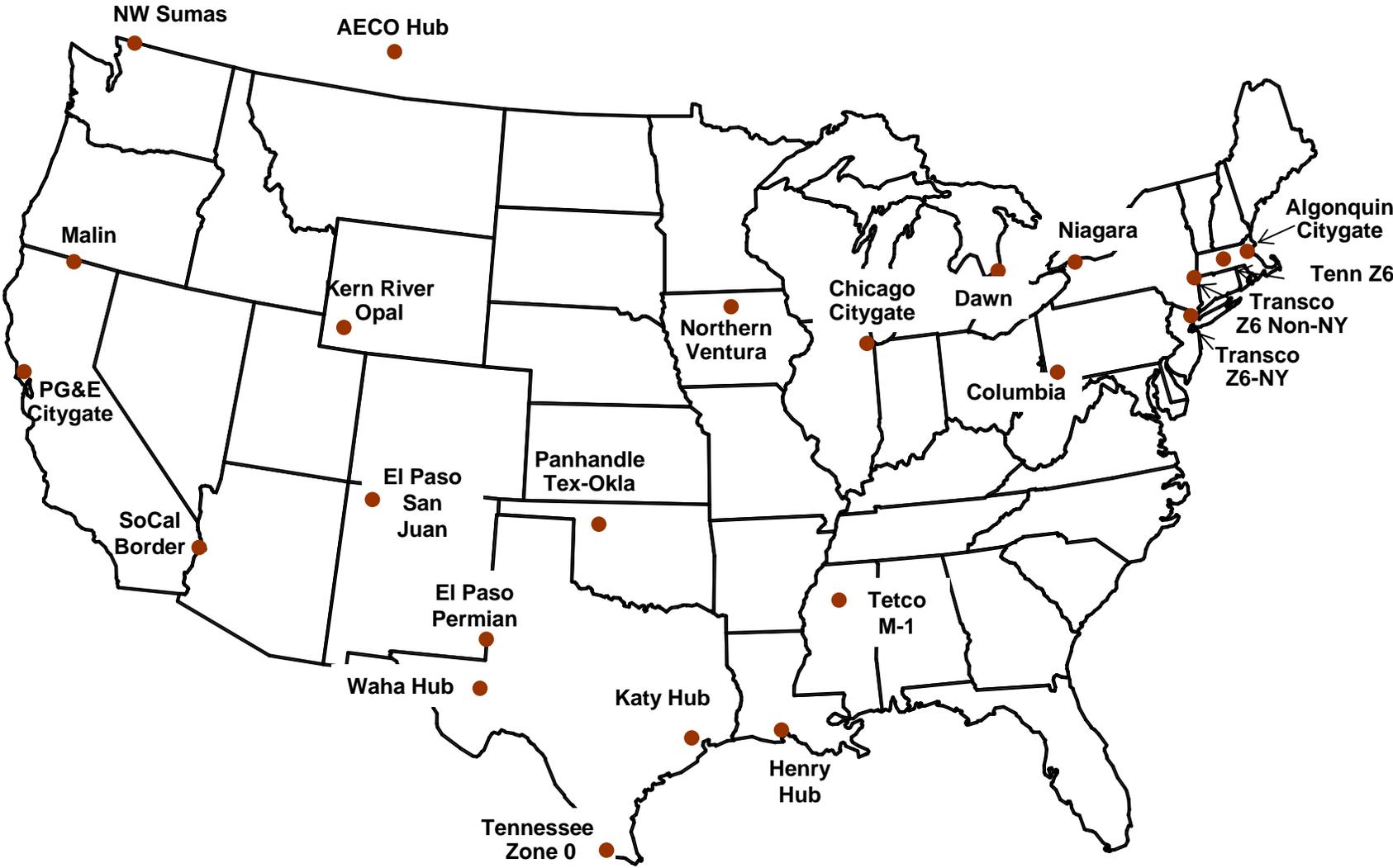
South Central Day-Ahead Hub Spot Prices and Basis



Source: Derived from Platts data.
June 2009 Midwest Snapshot Report

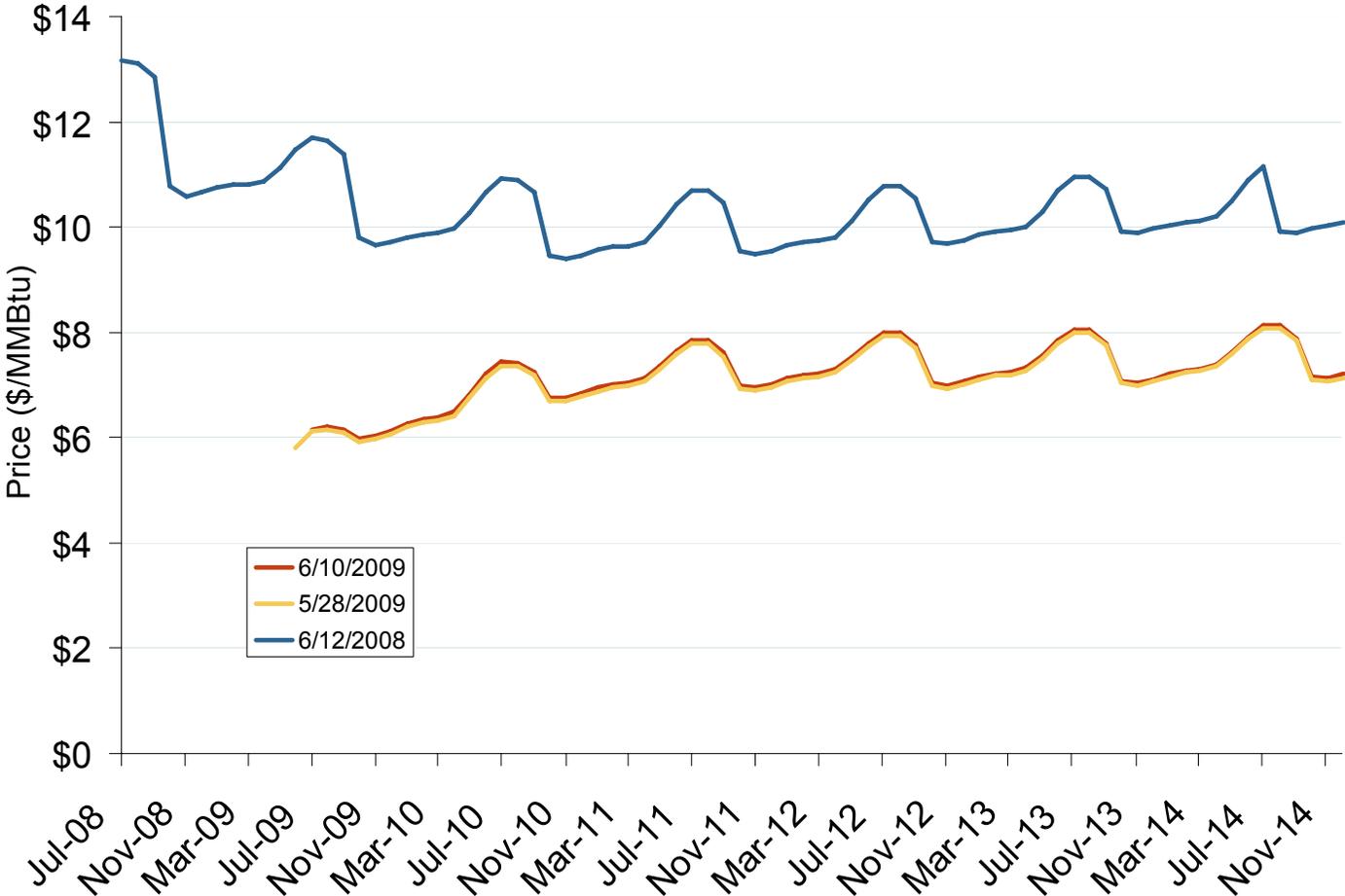
Updated June 5, 2009

Gas Pricing Points



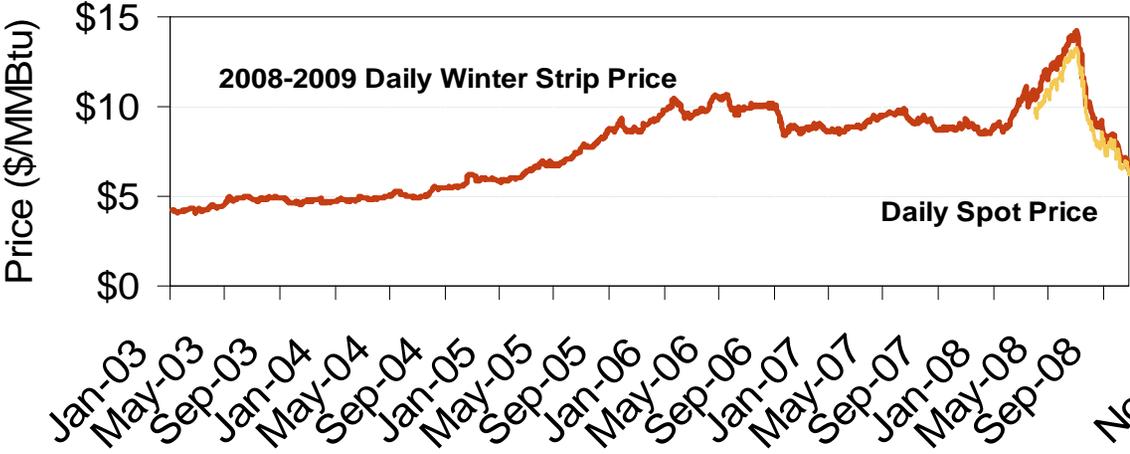
Note: Price Points reflect general locations.
June 2009 Midwest Snapshot Report

NYMEX Natural Gas Forward Price Curve



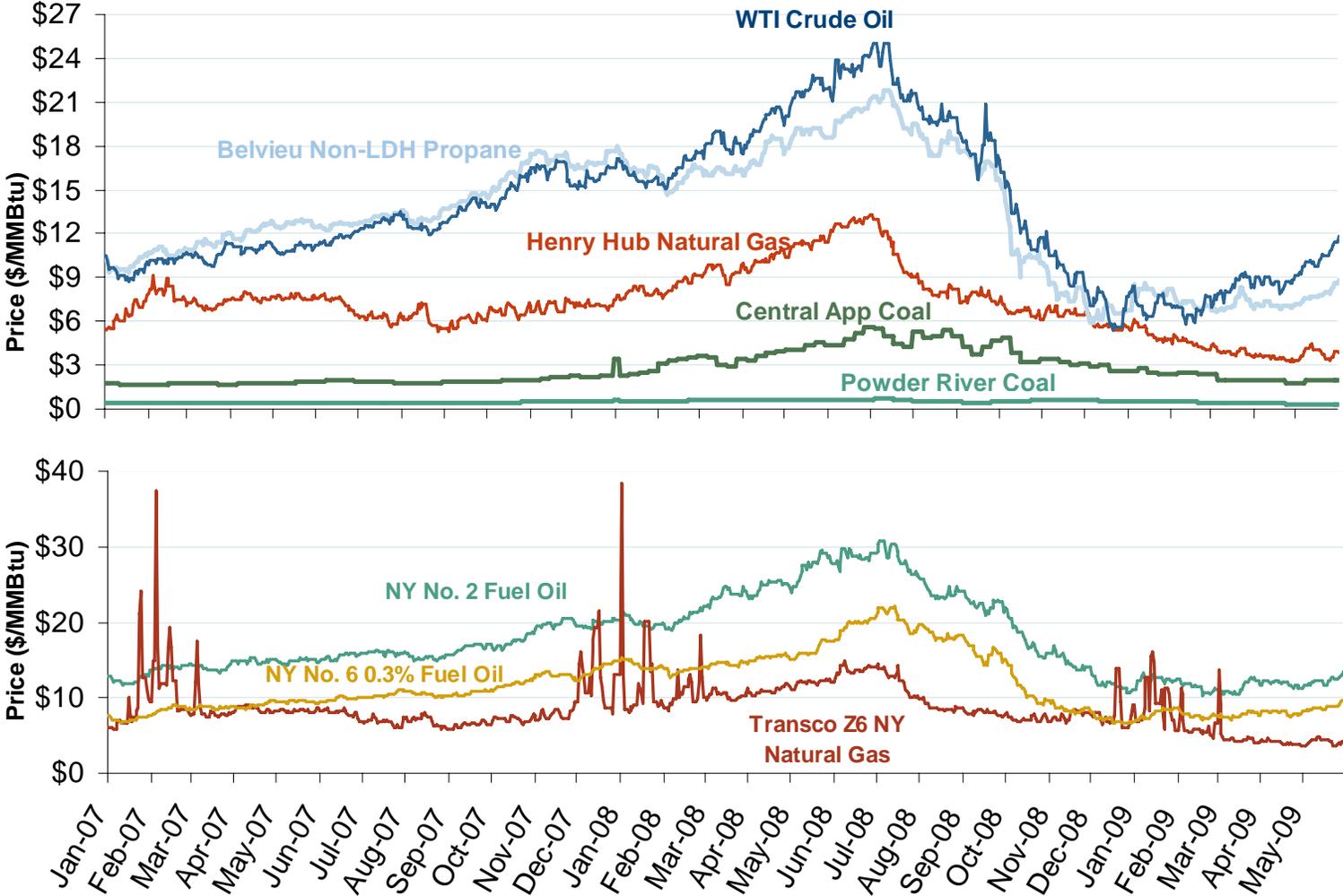
The NYMEX futures contract trades in 10,000 million Btu units. The blue series shows the forward price curve for these contracts 1-year ago. The red and yellow curves show prices for contracts traded on the current and previous months.

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



Source: Derived from Platts and Nymex data.

Oil, Coal, Natural Gas and Propane Daily Spot Prices

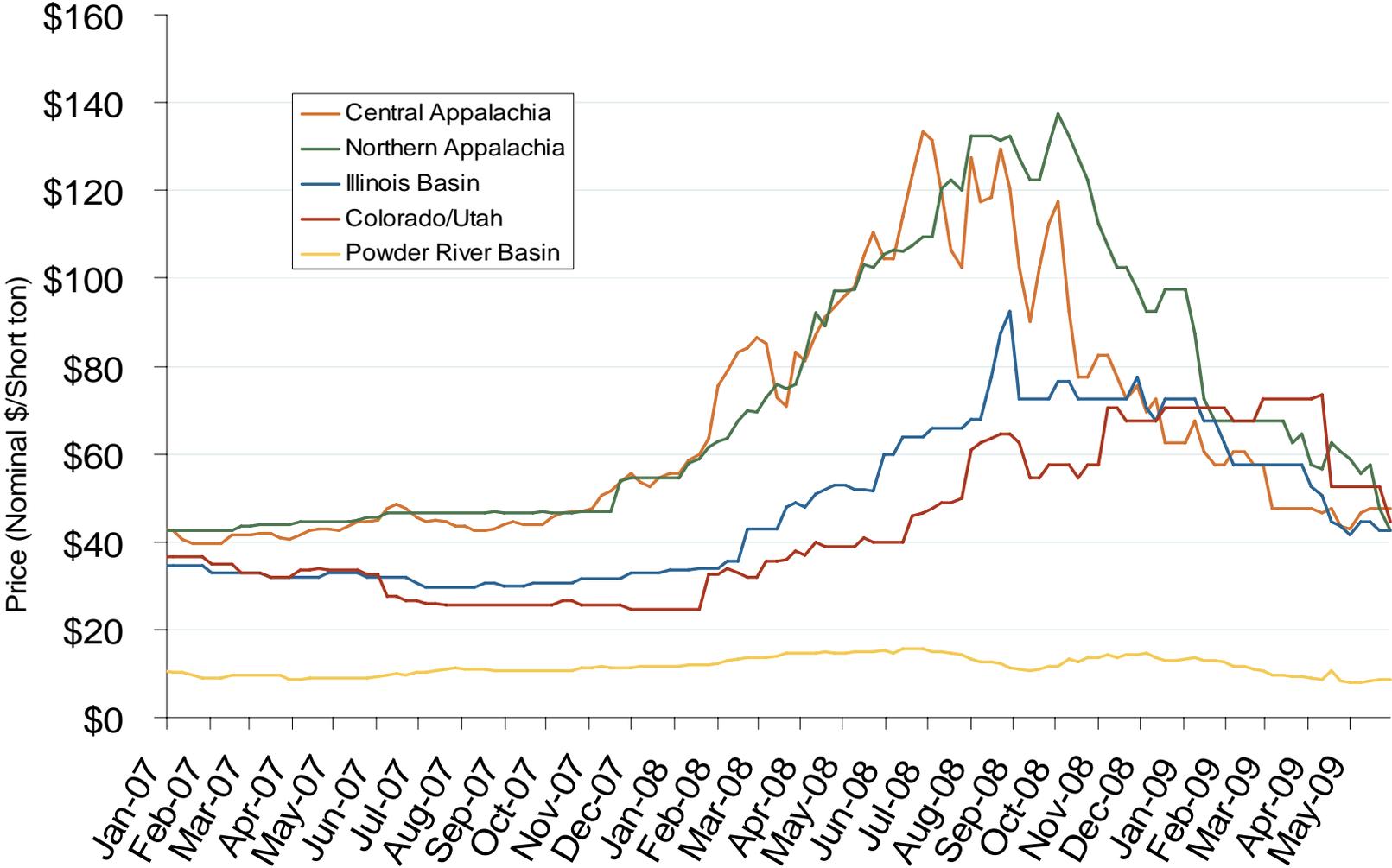


Source: Derived from ICE and Bloomberg data.

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.

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Regional Coal Spot Prices

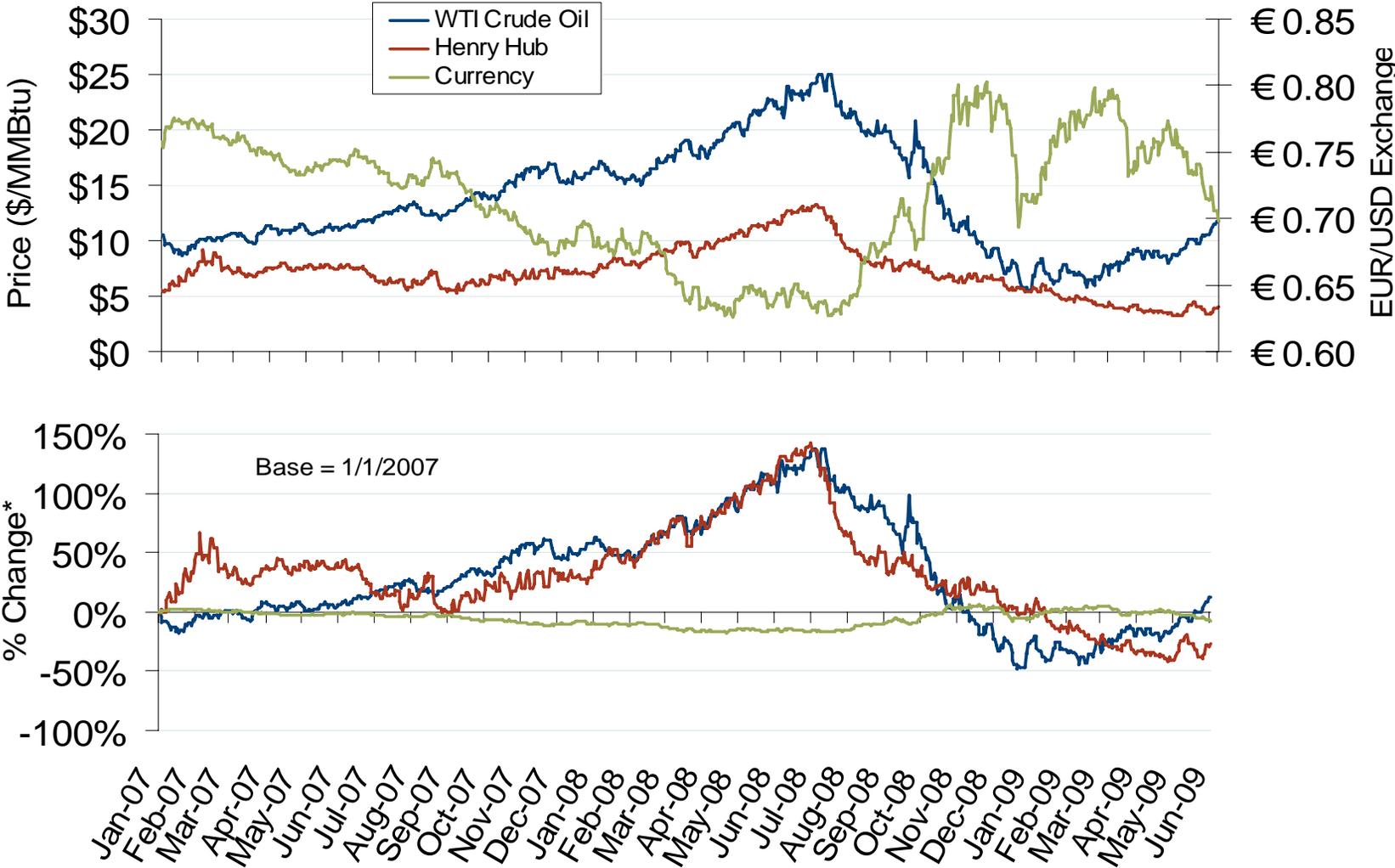


Note: Does not reflect the delivered price of coal; excludes incremental cost of emissions allowances.

Source: Derived from *Bloomberg* data.
June 2009 Midwest Snapshot Report

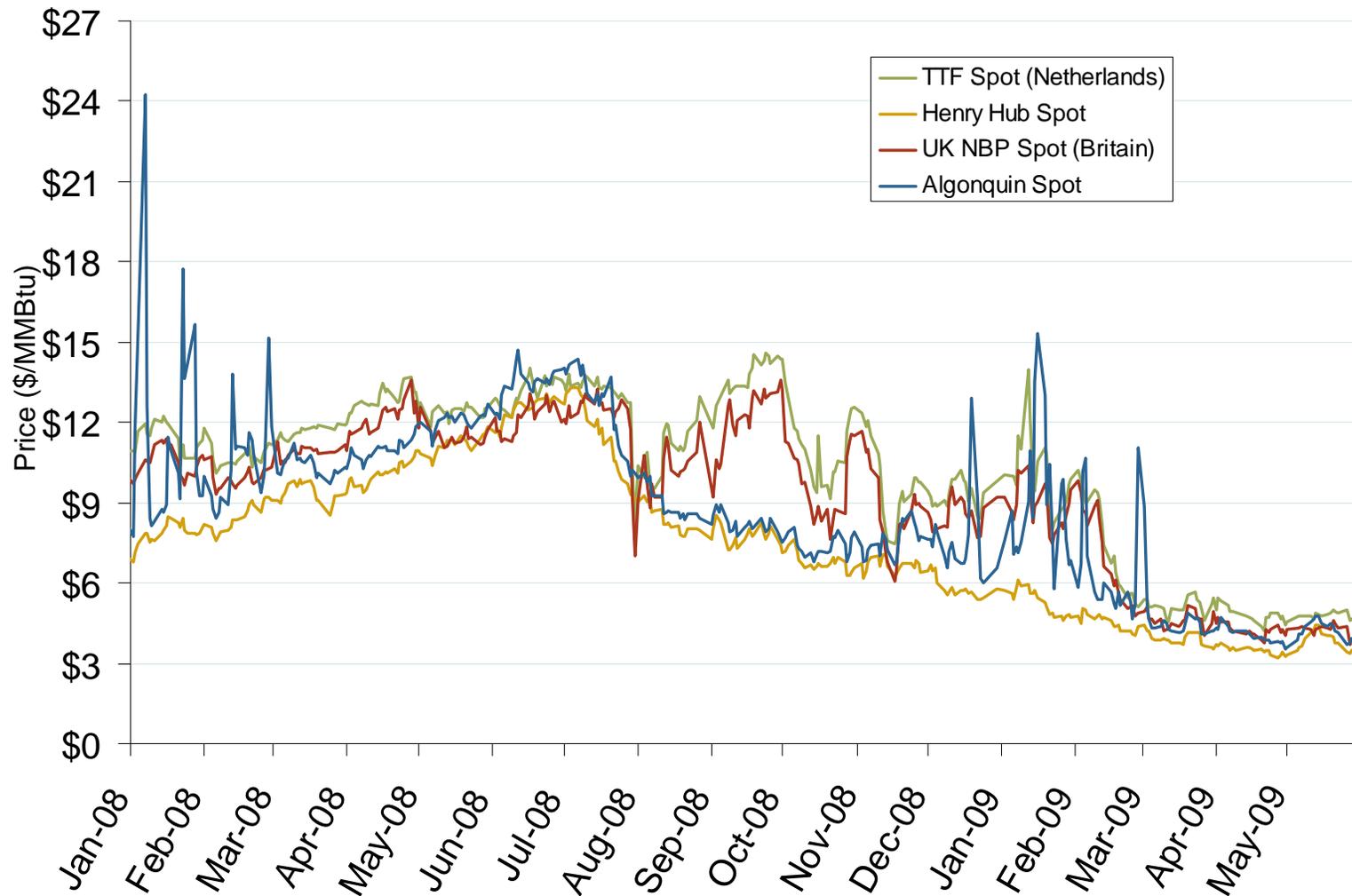
Updated June 5, 2009

Oil, Natural Gas and Currency Spot Prices



Source: Derived from *Bloomberg* data.

Atlantic Basin European and US Spot Natural Gas Prices



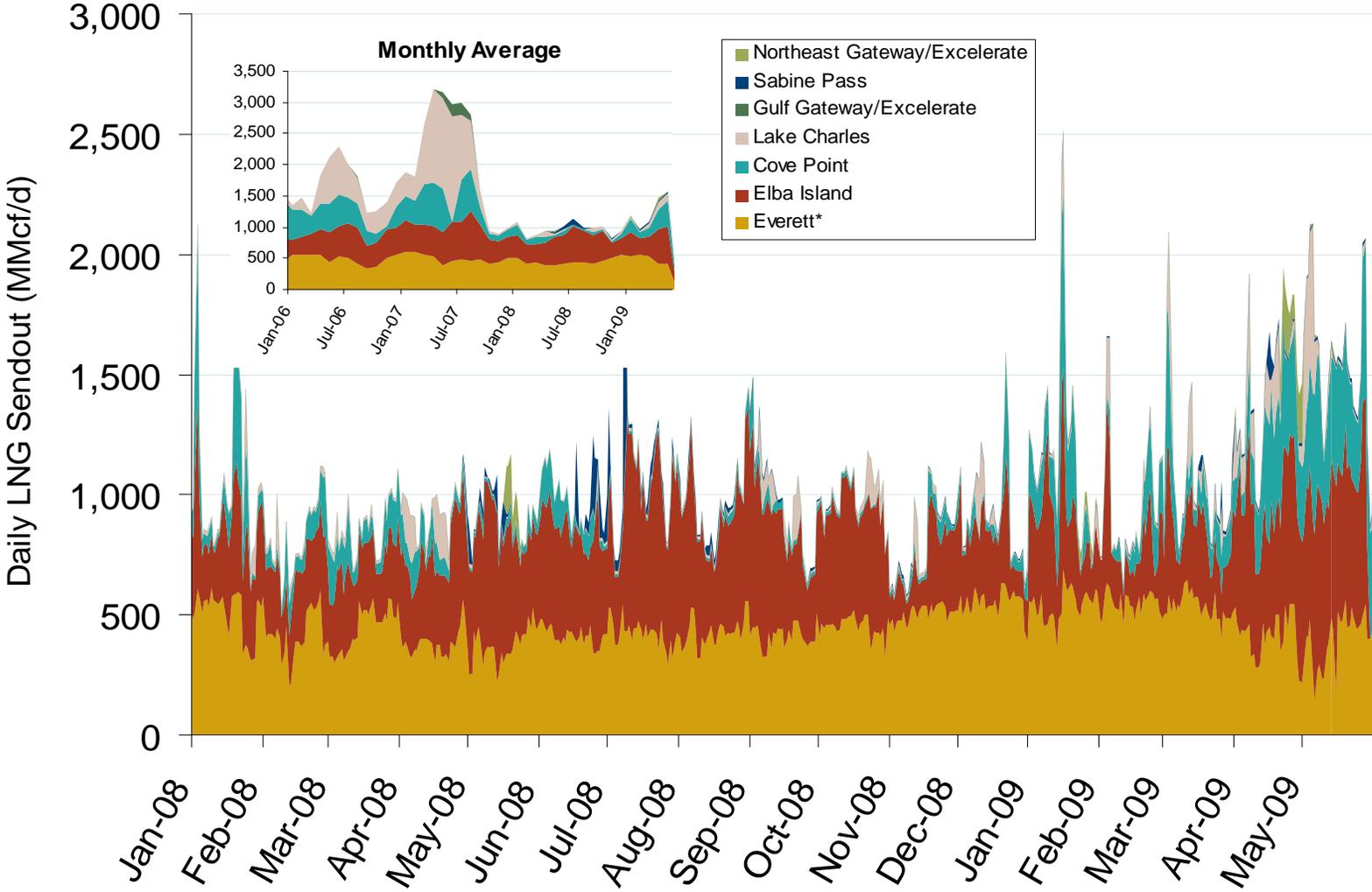
Source: Derived from *Bloomberg* and *ICE* data.
June 2009 Midwest Snapshot Report

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World LNG Estimated June 2009 Landed Prices



Daily Gas Sendout from Existing U.S. LNG Facilities

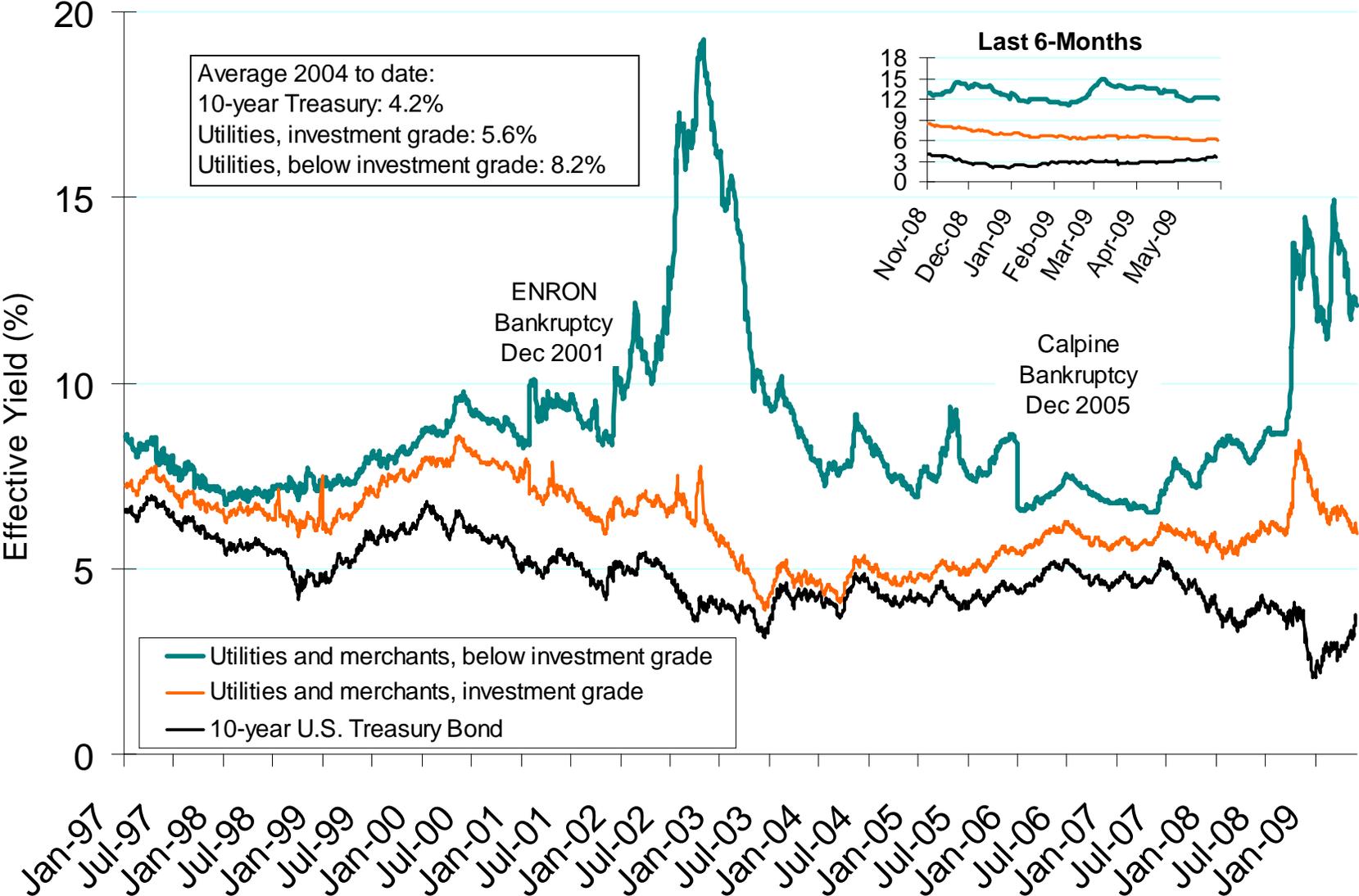


Source: Derived from Bentek data.

* Everett data includes flows onto the AGT and TGP interstate lines, plus estimates of flows to the Mystic 7 power plant, Keyspan Boston Gas, and LNG trucked out of the terminal. Excludes Freeport LNG which flows via intrastate pipelines.
June 2009 Midwest Snapshot Report

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Yields of Utilities, Merchants and Ten Year Treasury Bonds



Source: Derived from Merrill Lynch Index U.S Corporates, Gas and Electric Utilities and Bloomberg data.
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S&P Goldman Sachs Commodity Index Official Closing Price

