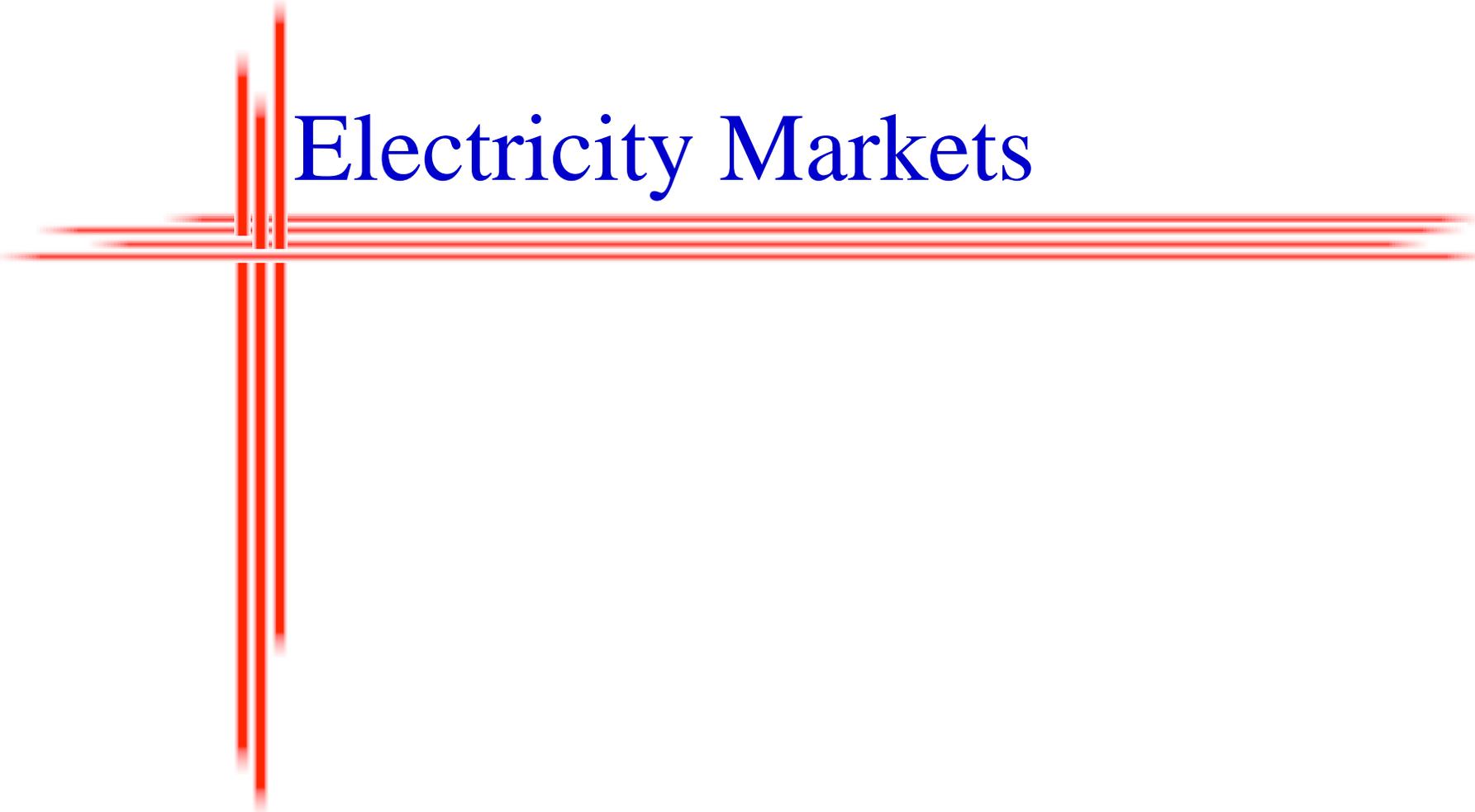


OE ENERGY MARKET SNAPSHOT

Mid-Atlantic States Version – August 2009 Data

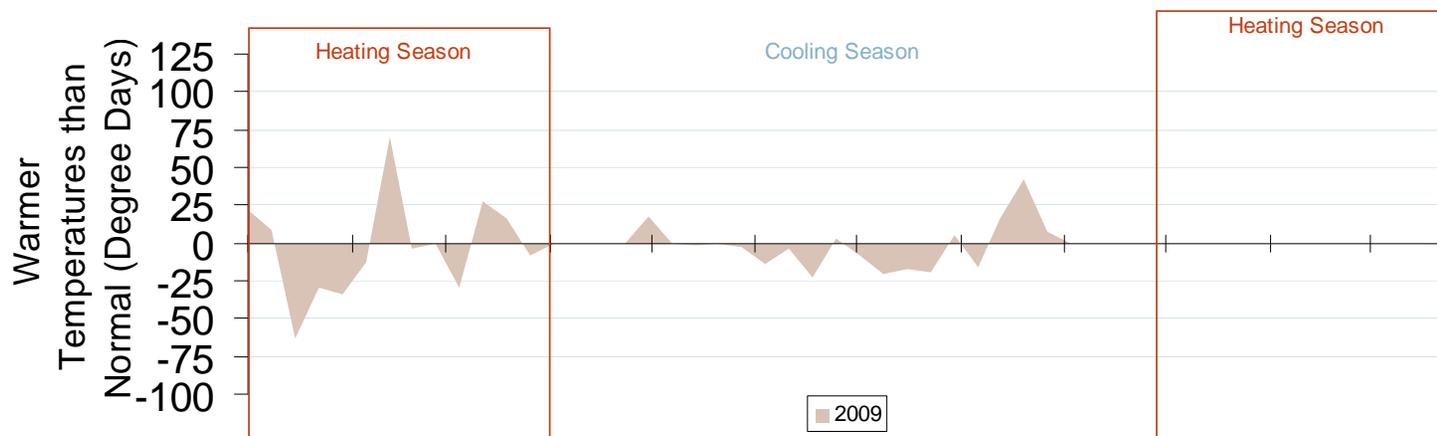
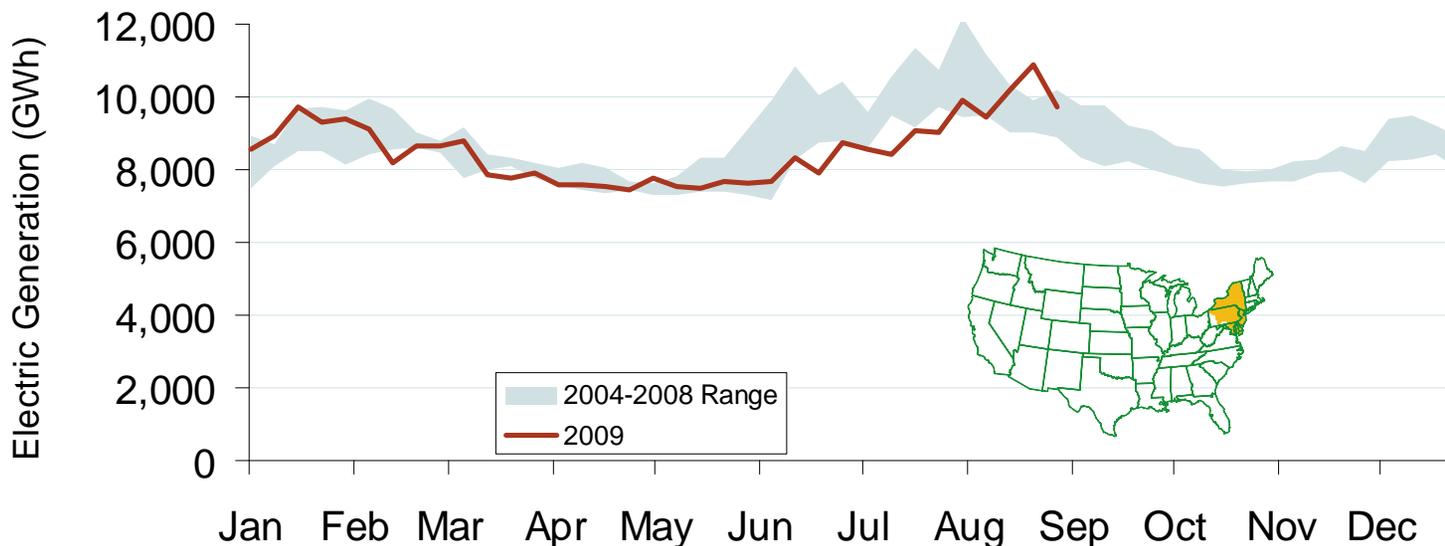
- **Electricity Markets**
- **Natural Gas and Fuel Markets**

Office of Enforcement
Federal Energy Regulatory Commission
September 2009

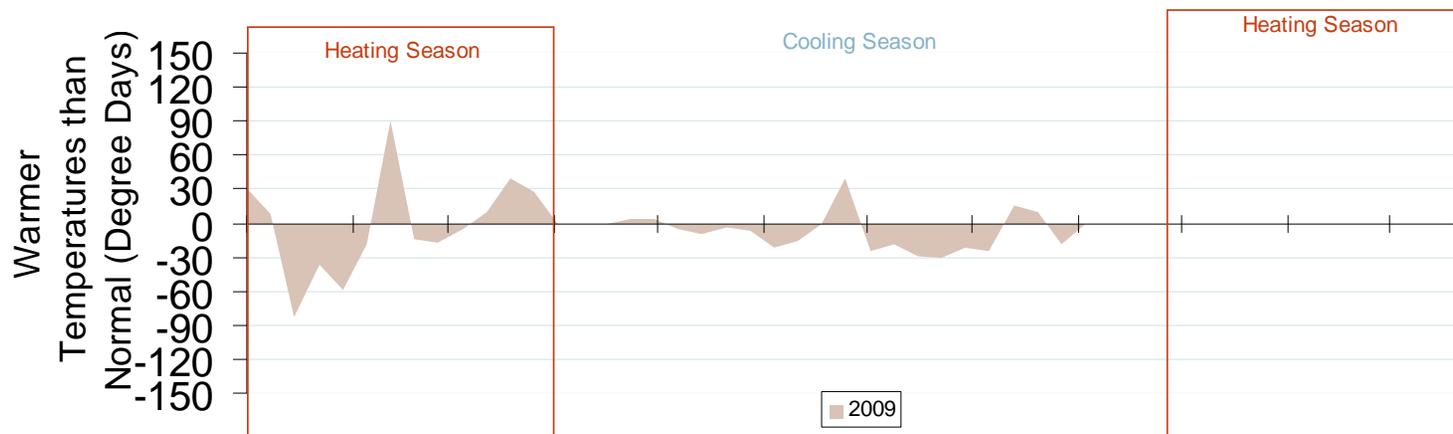
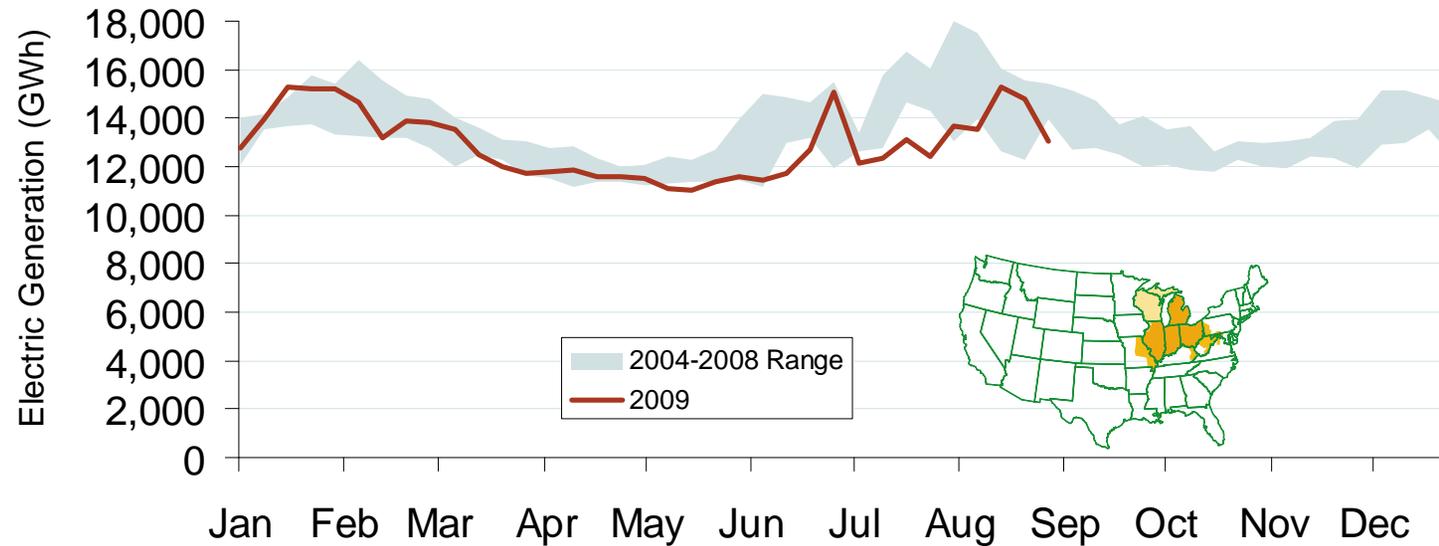


Electricity Markets

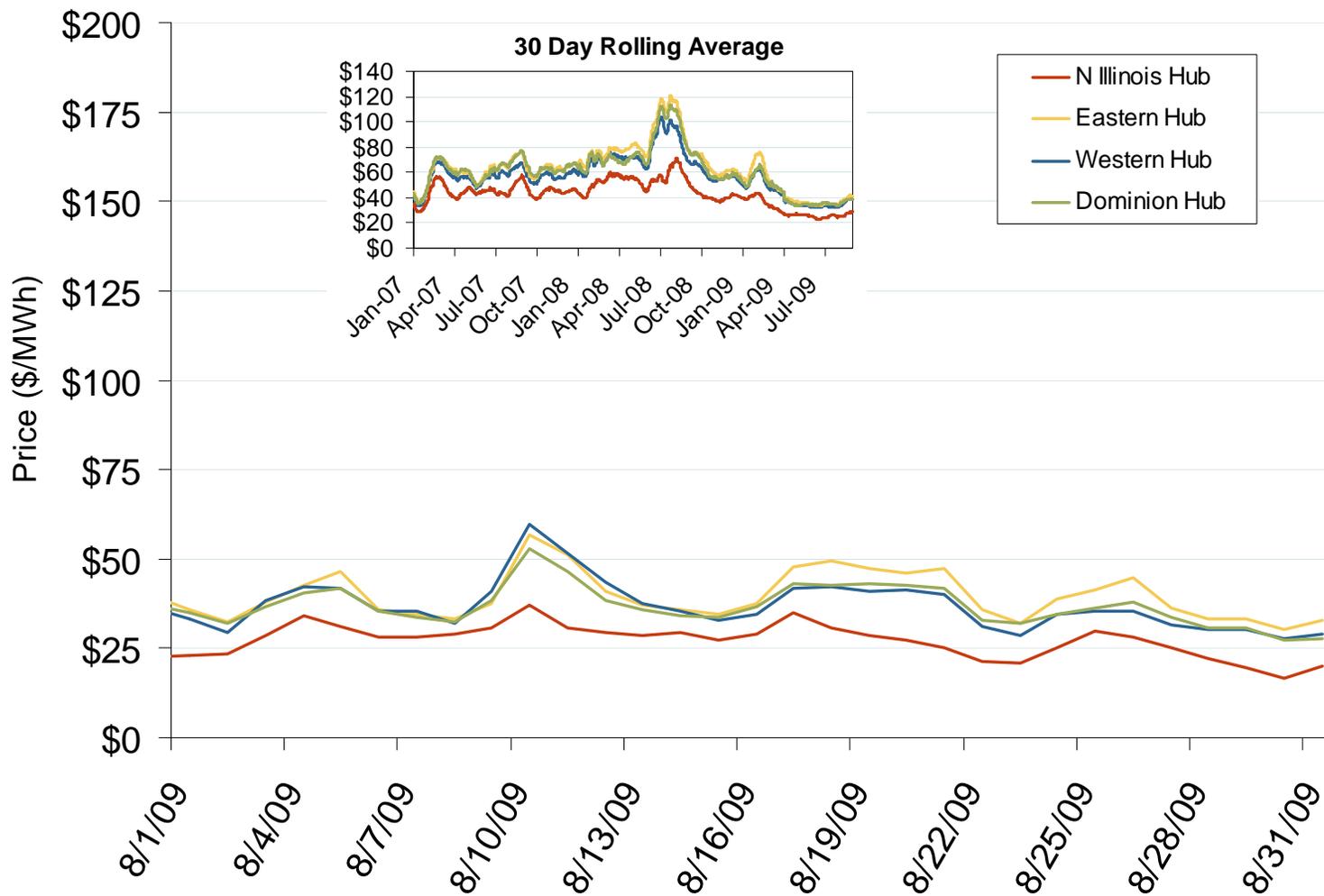
Weekly Electric Generation Output and Temperatures Mid Atlantic Region



Weekly Electric Generation Output and Temperatures Central Industrial Region

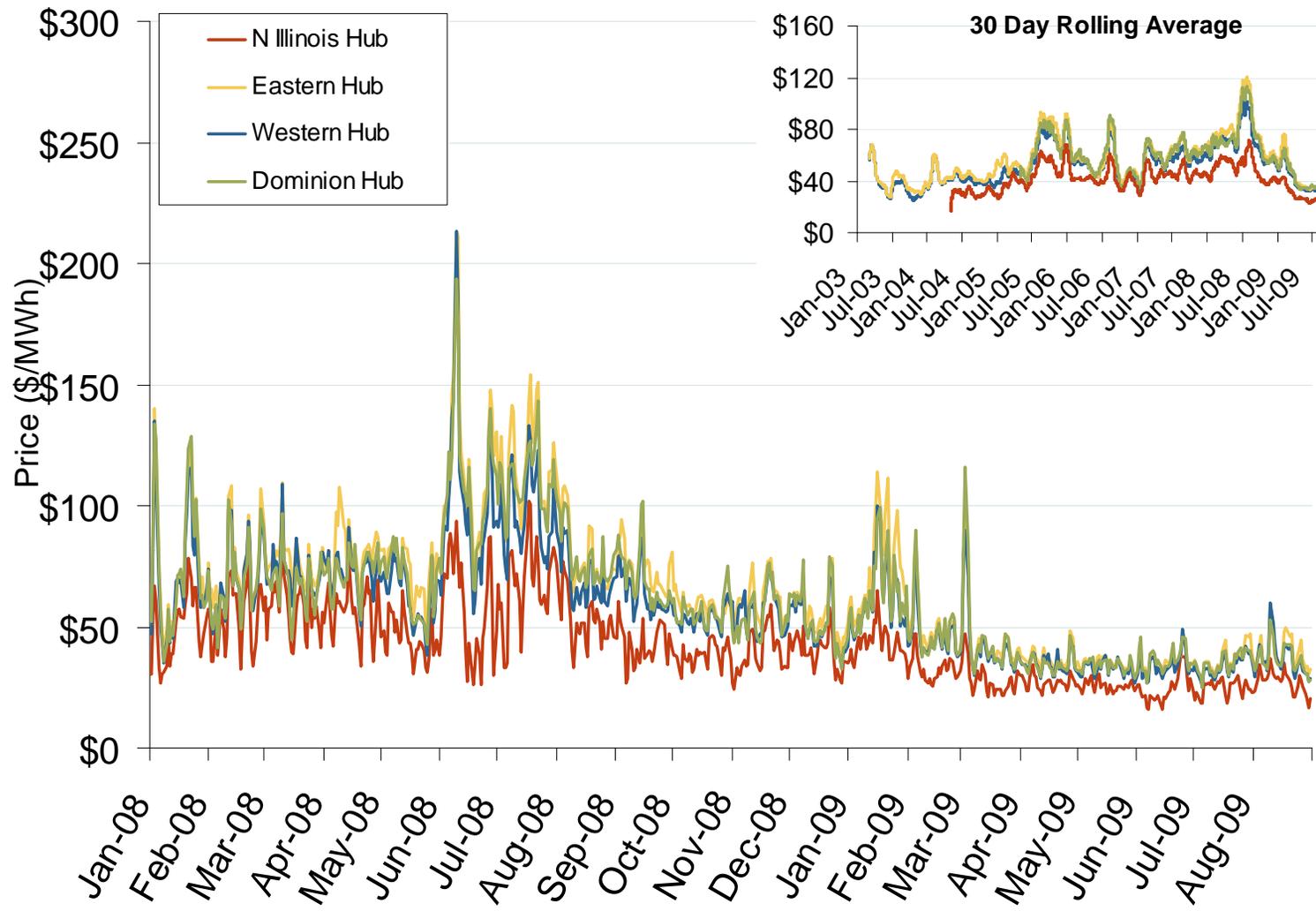


Daily Average of PJM Day-Ahead Prices - All Hours



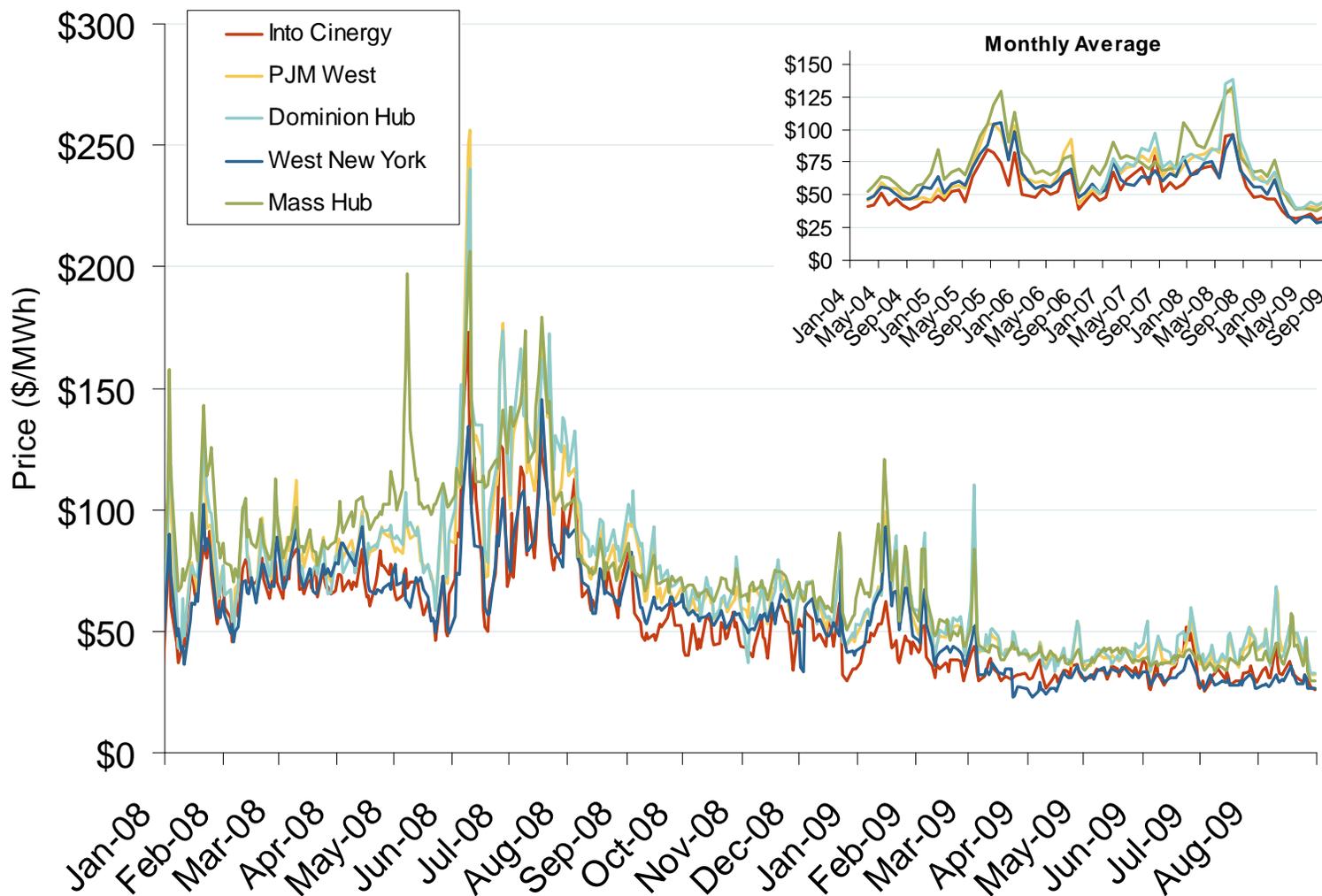
Source: Derived by Bloomberg from PJM data as reported by Bloomberg.
September 2009 Mid-Atlantic Snapshot Report

Daily Average of PJM Day-Ahead Prices - All Hours



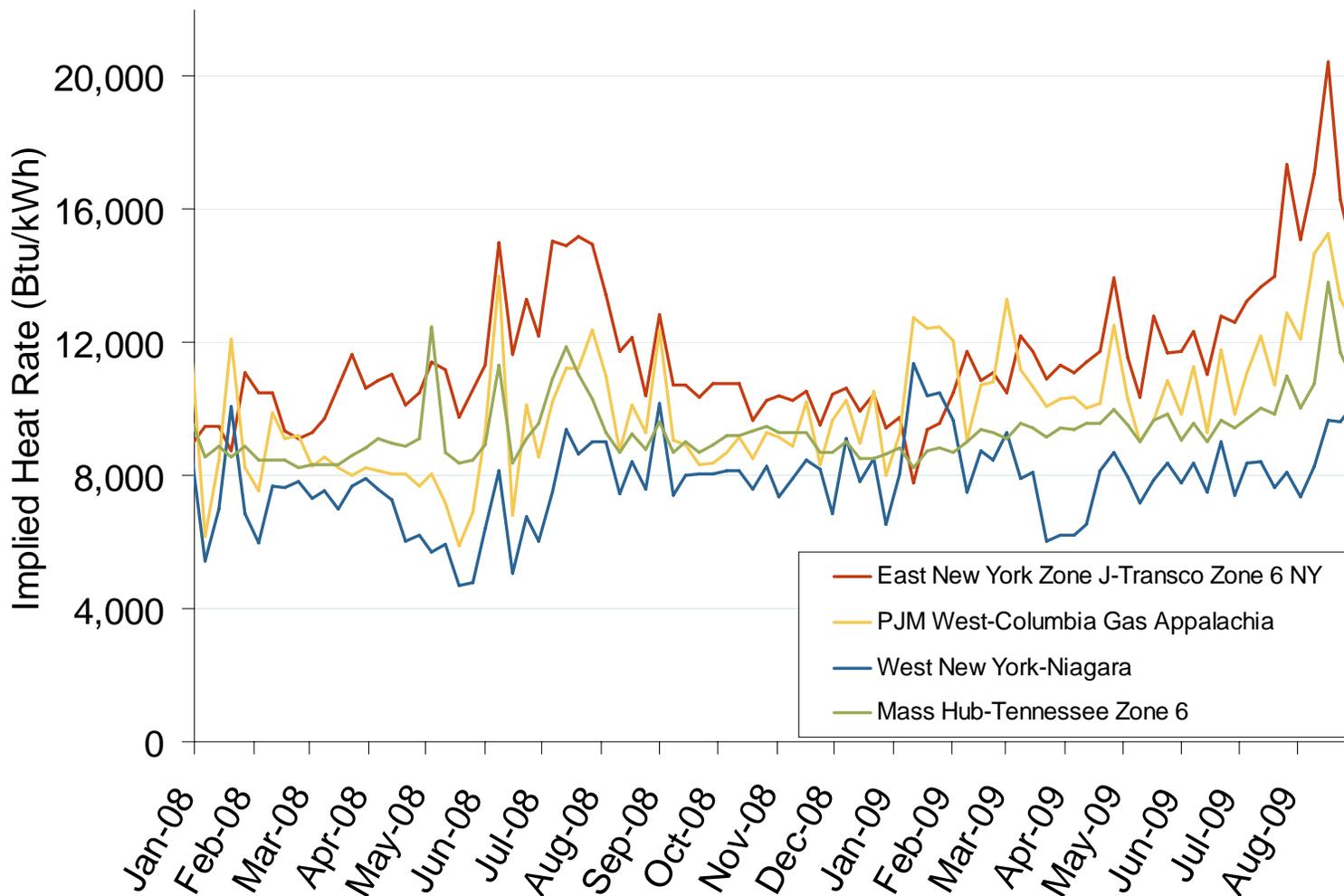
Source: Derived by Bloomberg from PJM data as reported by Bloomberg.
September 2009 Mid-Atlantic Snapshot Report

Eastern Daily Bilateral Day-Ahead On-Peak Prices

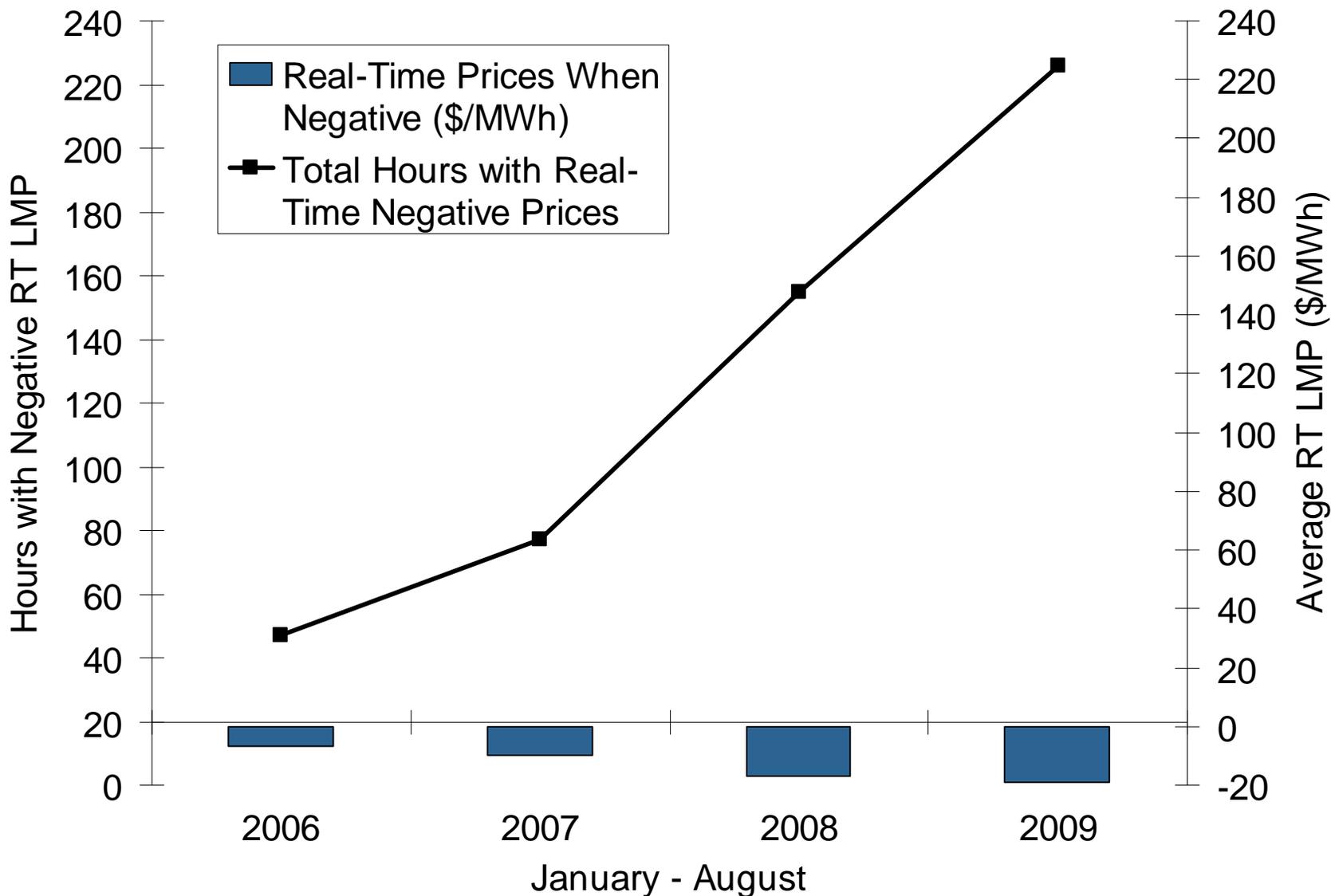


Source: Derived from *Platts* data.
September 2009 Mid-Atlantic Snapshot Report

Implied Heat Rates at Eastern Trading Points Weekly Averages

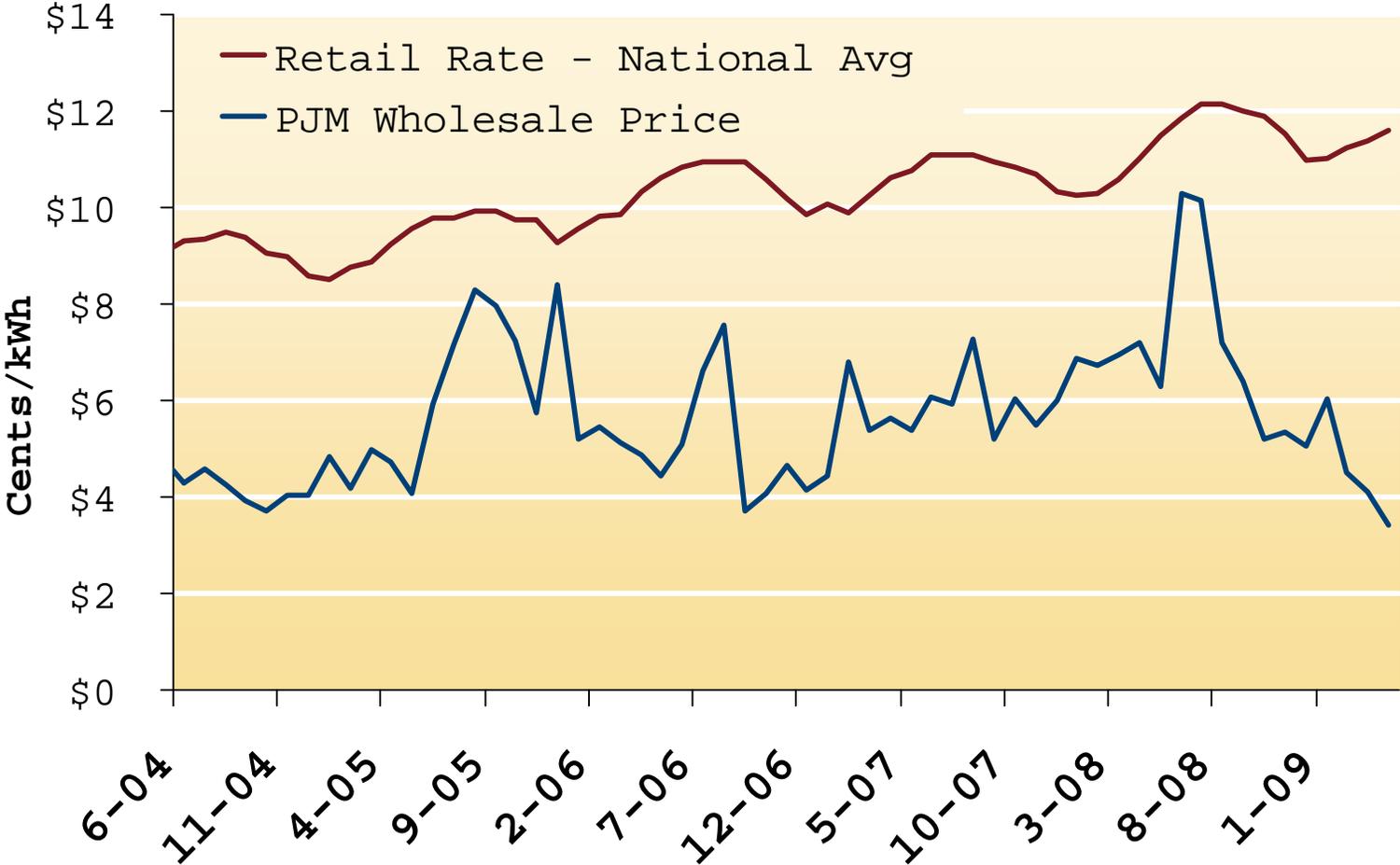


Negative prices in PJM's Chicago area more frequent in 2009



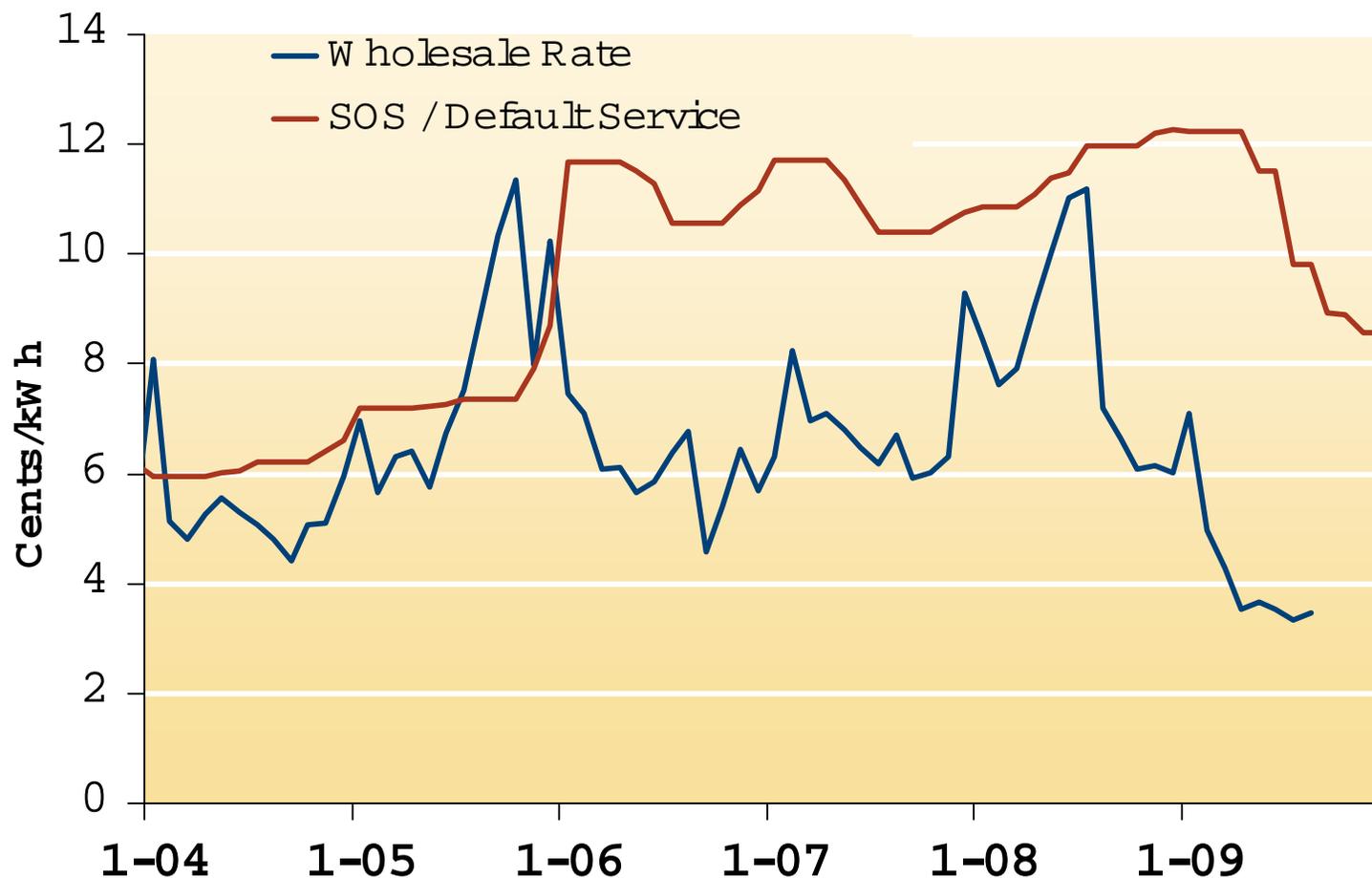
Source: Derived from Ventyx data.
September 2009 Mid-Atlantic Snapshot Report

United States Resale vs. Wholesale Electricity Rates



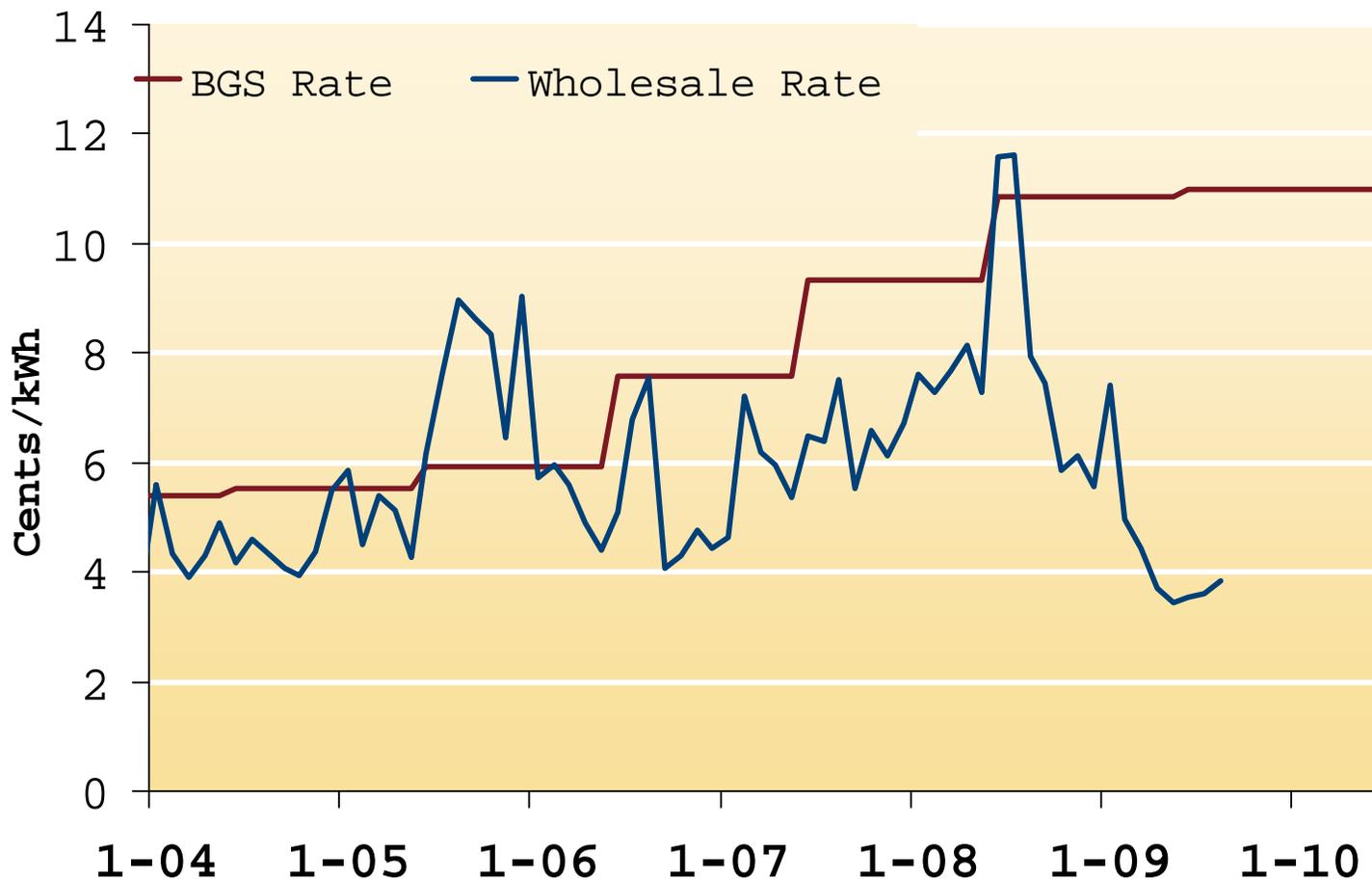
Source: Derived from Ventyx and EIA data.

Massachusetts Default Rate vs. Wholesale Rate (Mass Hub)



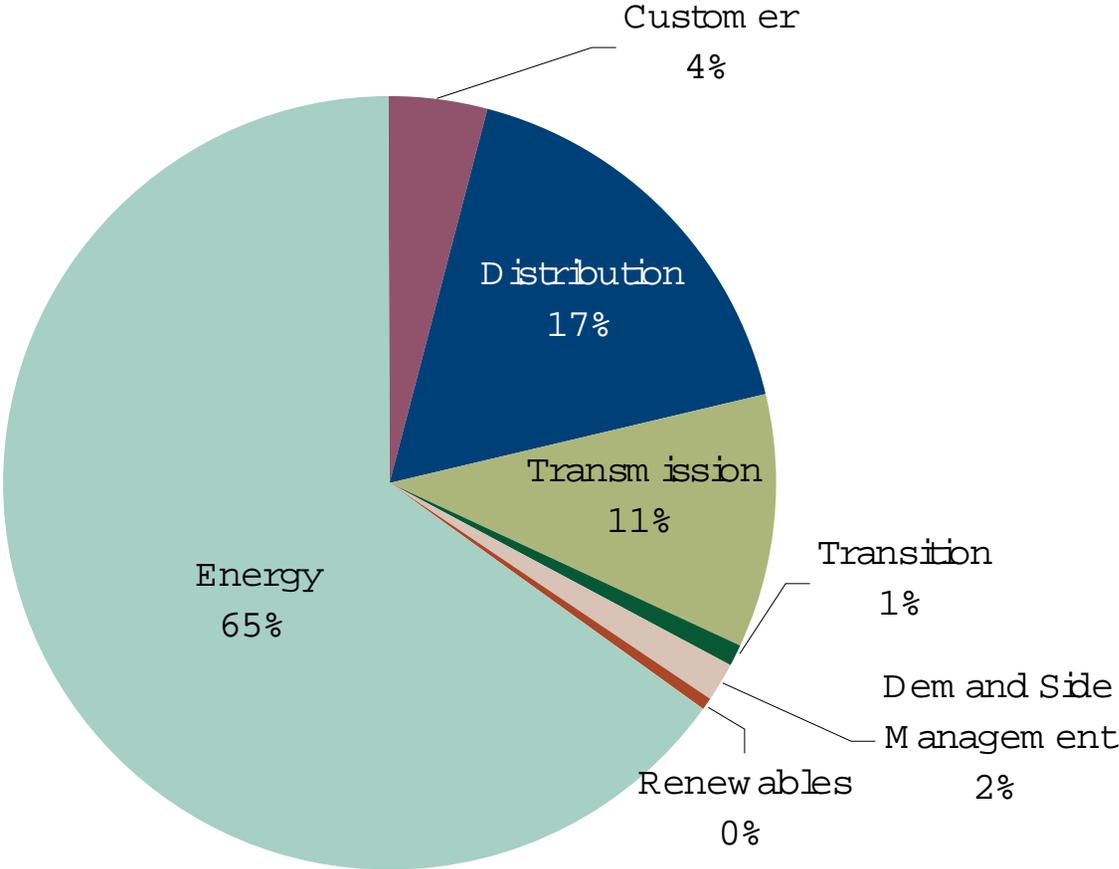
Source: Derived from Ventyx and Massachusetts government data.

New Jersey: Basic Generation Rate vs. Wholesale Rate (PJM-West Day-Ahead, Average of All Hours)



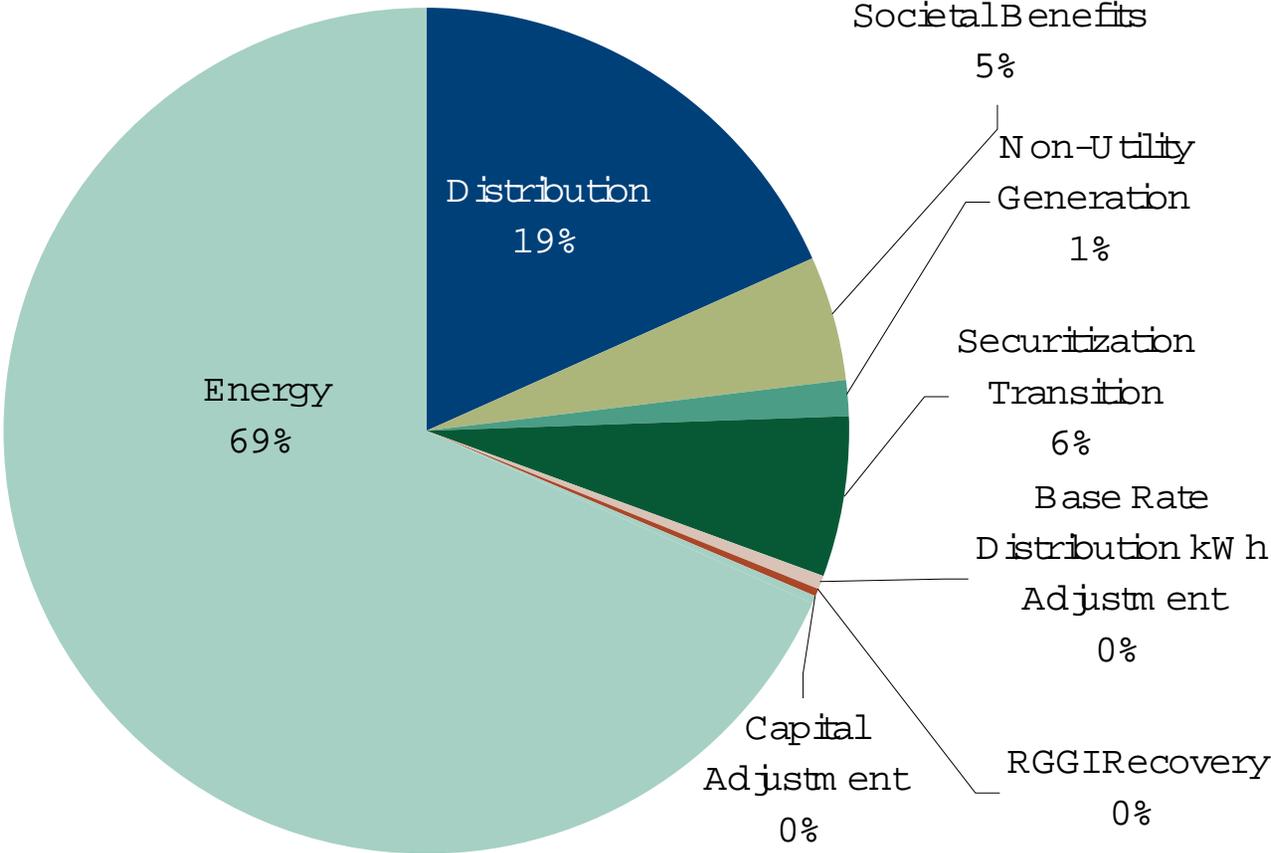
Source: Derived from Ventyx and New Jersey government data.

National Grid (MA) R1 Residential Rate Components (August 2009)

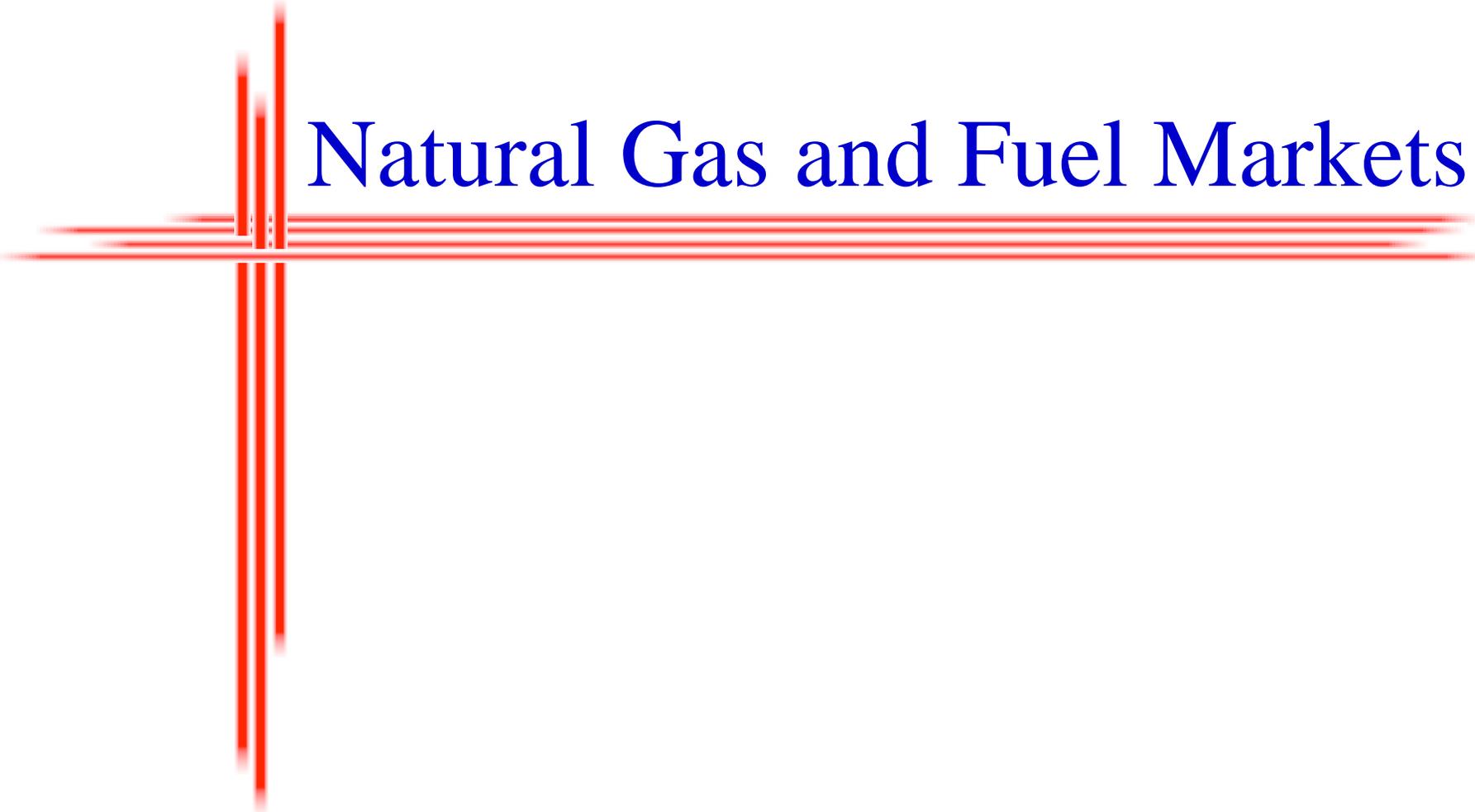


Source: Derived from National Grid tariff.

PSEG (NJ) Residential Rate Components (August 2009)



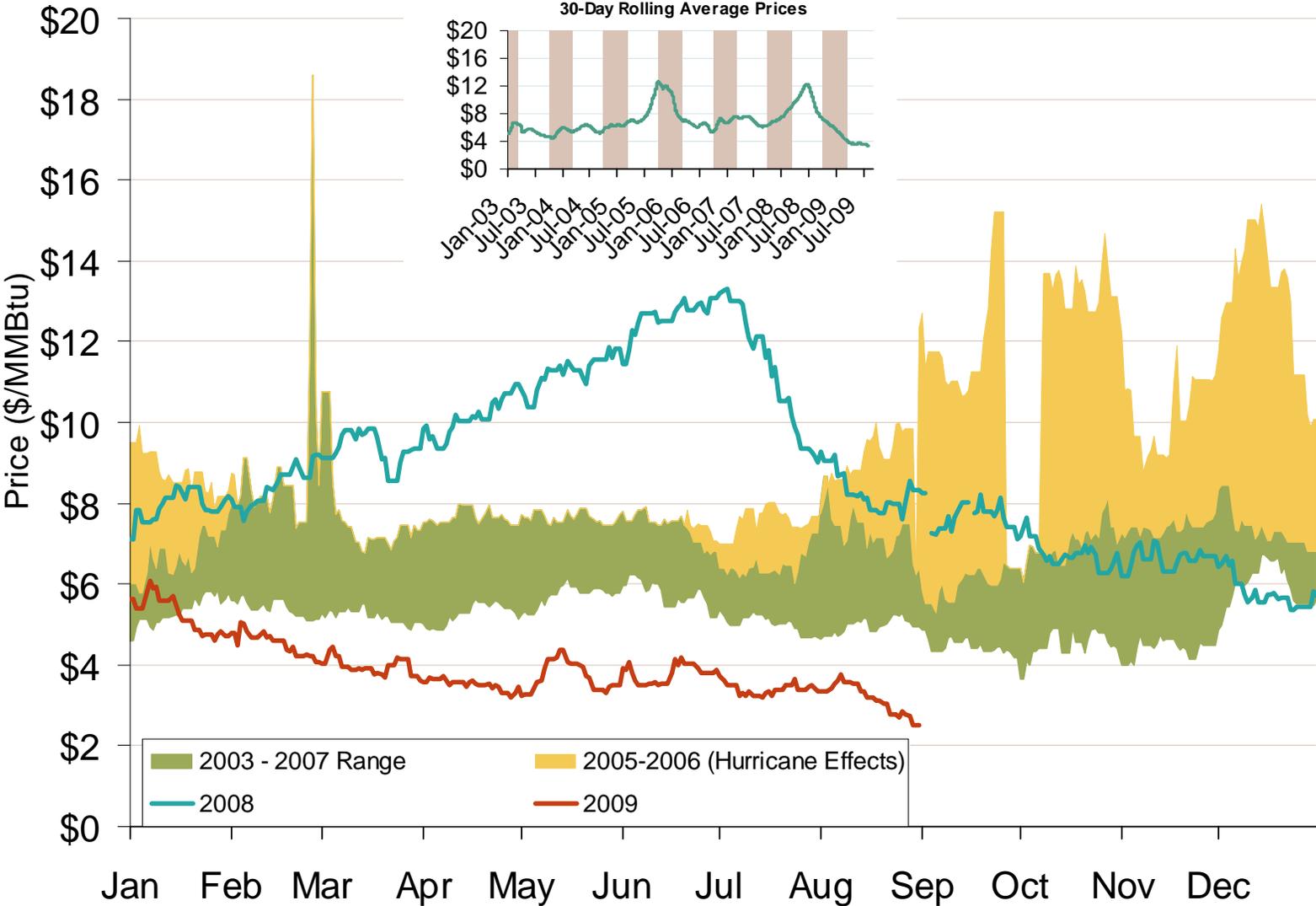
Source: Derived from Public Service Electric and Gas Co. tariff.



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



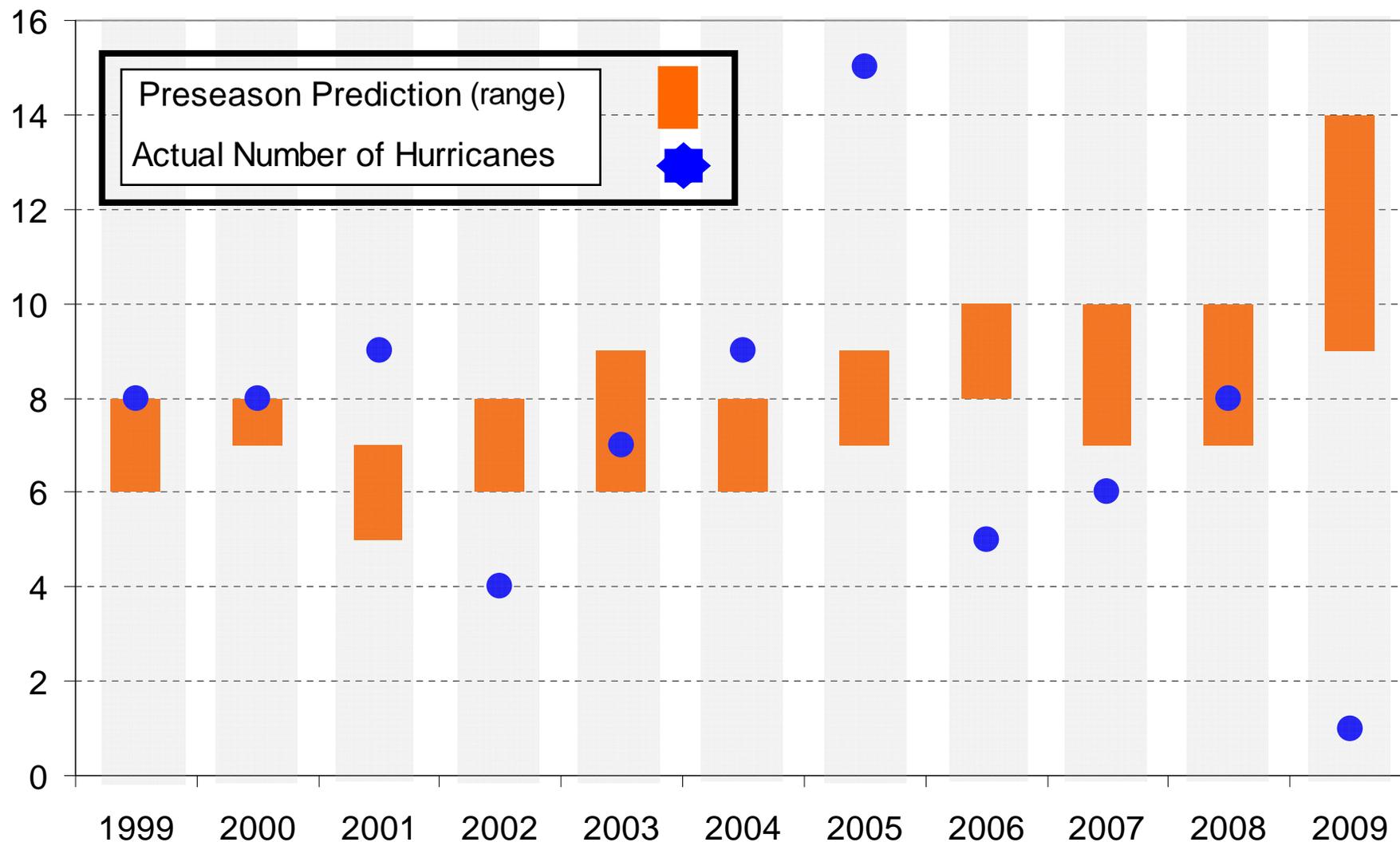
Source: Derived from *Platts* data.
September 2009 Mid-Atlantic Snapshot Report

Updated September 8, 2009

Why Hurricanes Don't Matter (As Much)

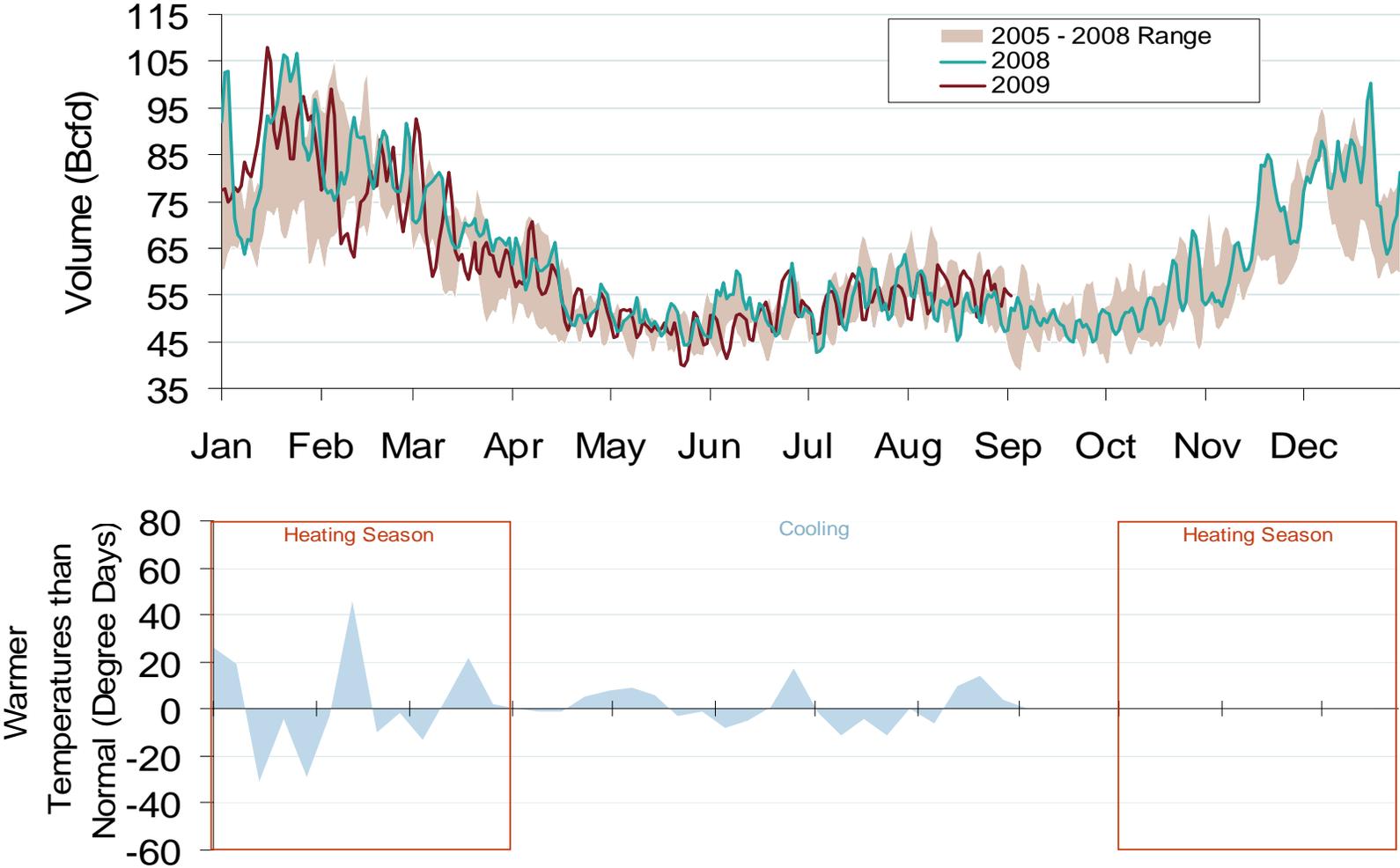
- Supply - 7.5 Bcfd of incremental production from shale plays reduces dependence on offshore supplies
- Transportation - Over 7 Bcfd of new interstate and intrastate pipeline capacity in Gulf region provides options
- REX brings 1.8 Bcfd of Rockies gas to mid-continent and Midwest markets reducing traditional dependence on Gulf region sourced gas
- Working gas storage - 112 Bcf of new storage capacity provides grid flexibility and supply backstop
- LNG – 3 new terminals, 5.9 Bcfd of additional sendout capacity and 27 Bcf of storage capacity add supply backstop
- Offshore infrastructure design and safety upgrades
- Improved information collection and availability

NOAA Forecasts Above Average Hurricane Season



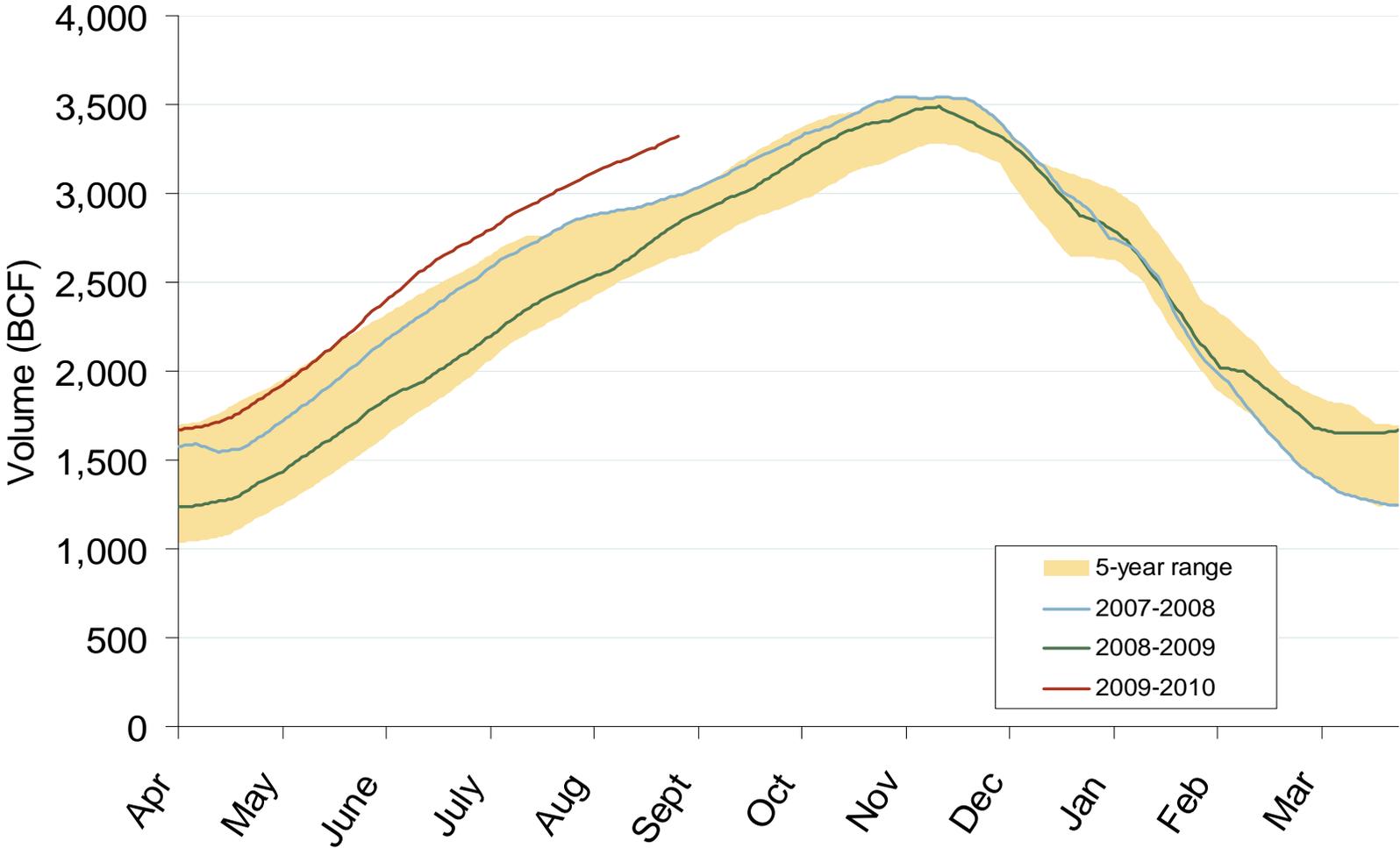
Source: Derived from NOAA data.
September 2009 Mid-Atlantic Snapshot Report

Total U.S. Natural Gas Demand (All Sectors) and Temperatures



Source: Derived from *Bentek Energy* data.
September 2009 Mid-Atlantic Snapshot Report

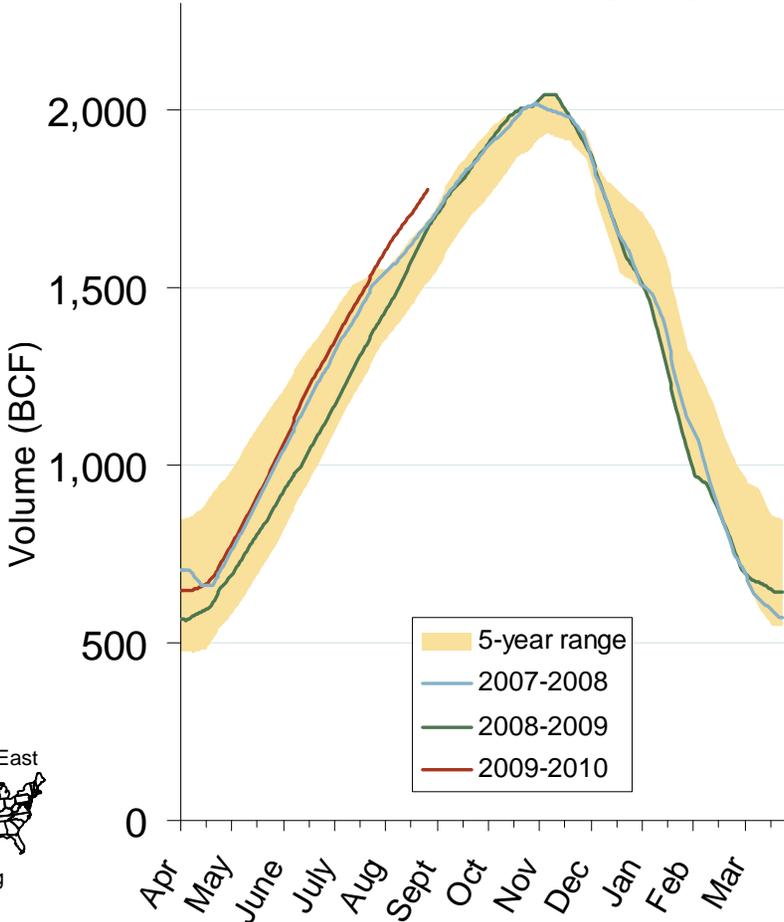
Total U.S. Working Gas in Storage



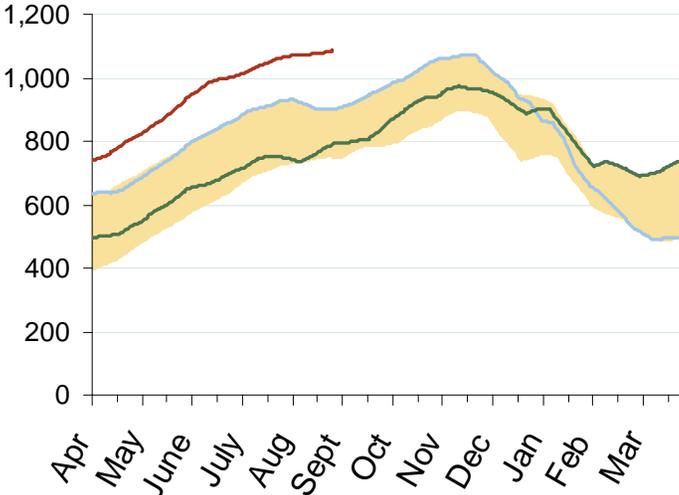
Source: Derived from EIA data.
September 2009 Mid-Atlantic Snapshot Report

Regional Totals of Working Gas in Storage

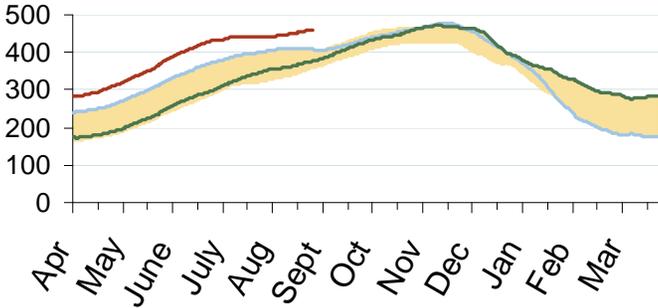
Eastern Consuming Region



Producing Region

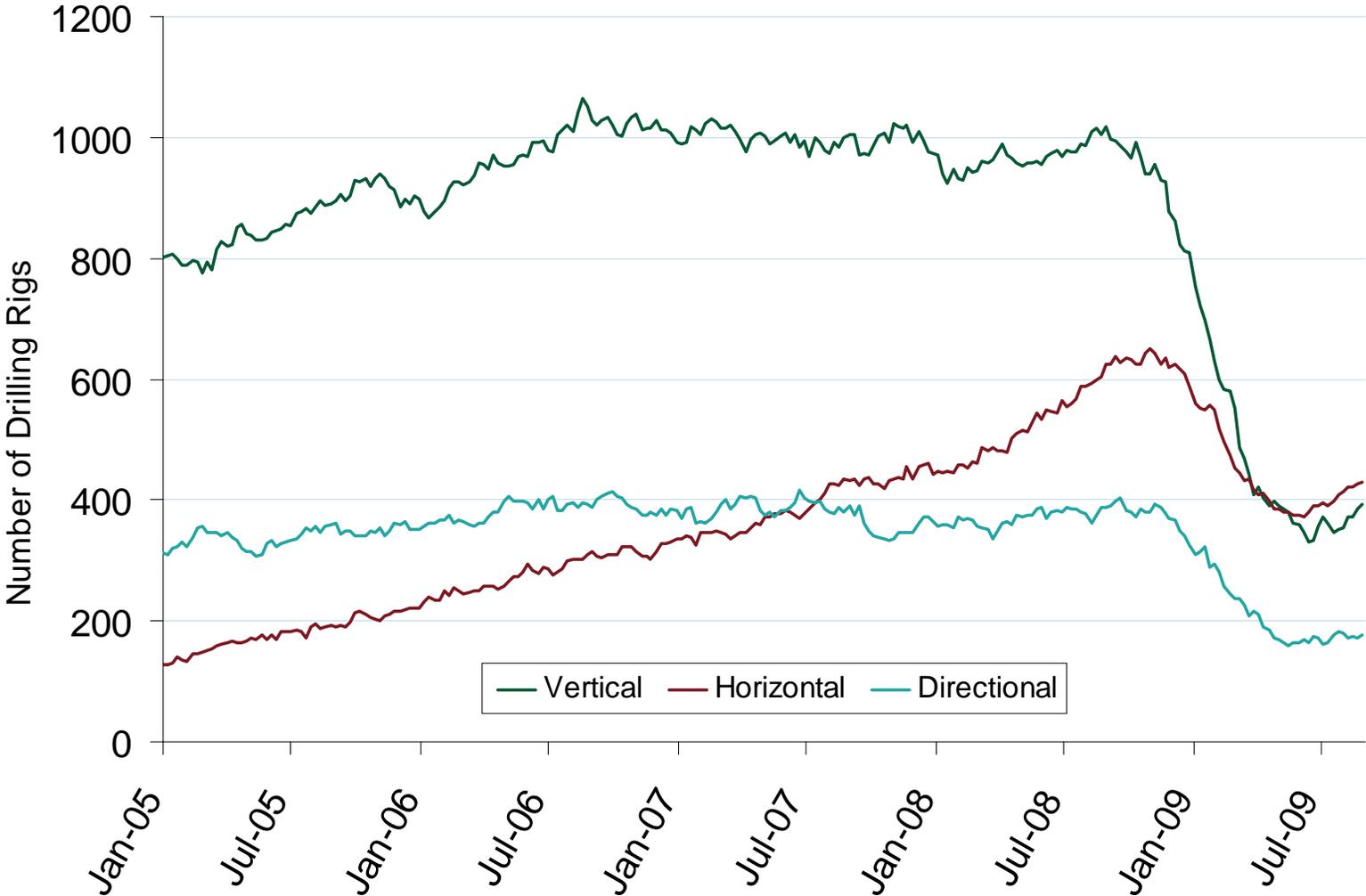


Western Consuming Region



Source: Derived from EIA data.

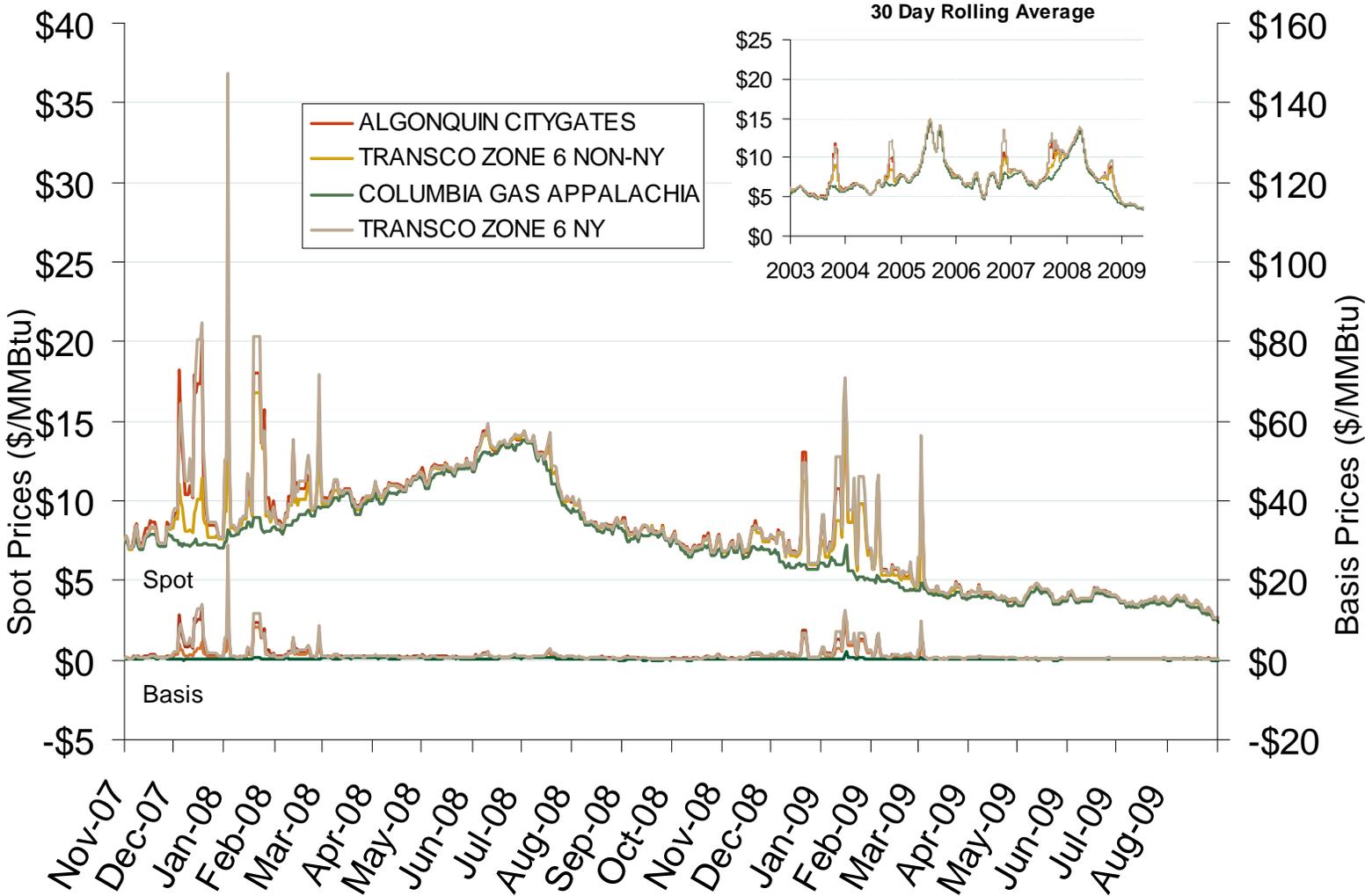
U.S. Oil and Natural Gas Drilling Rig Count by Type



Source: Derived from *Platts* and *Baker Hughes* data.
September 2009 Mid-Atlantic Snapshot Report

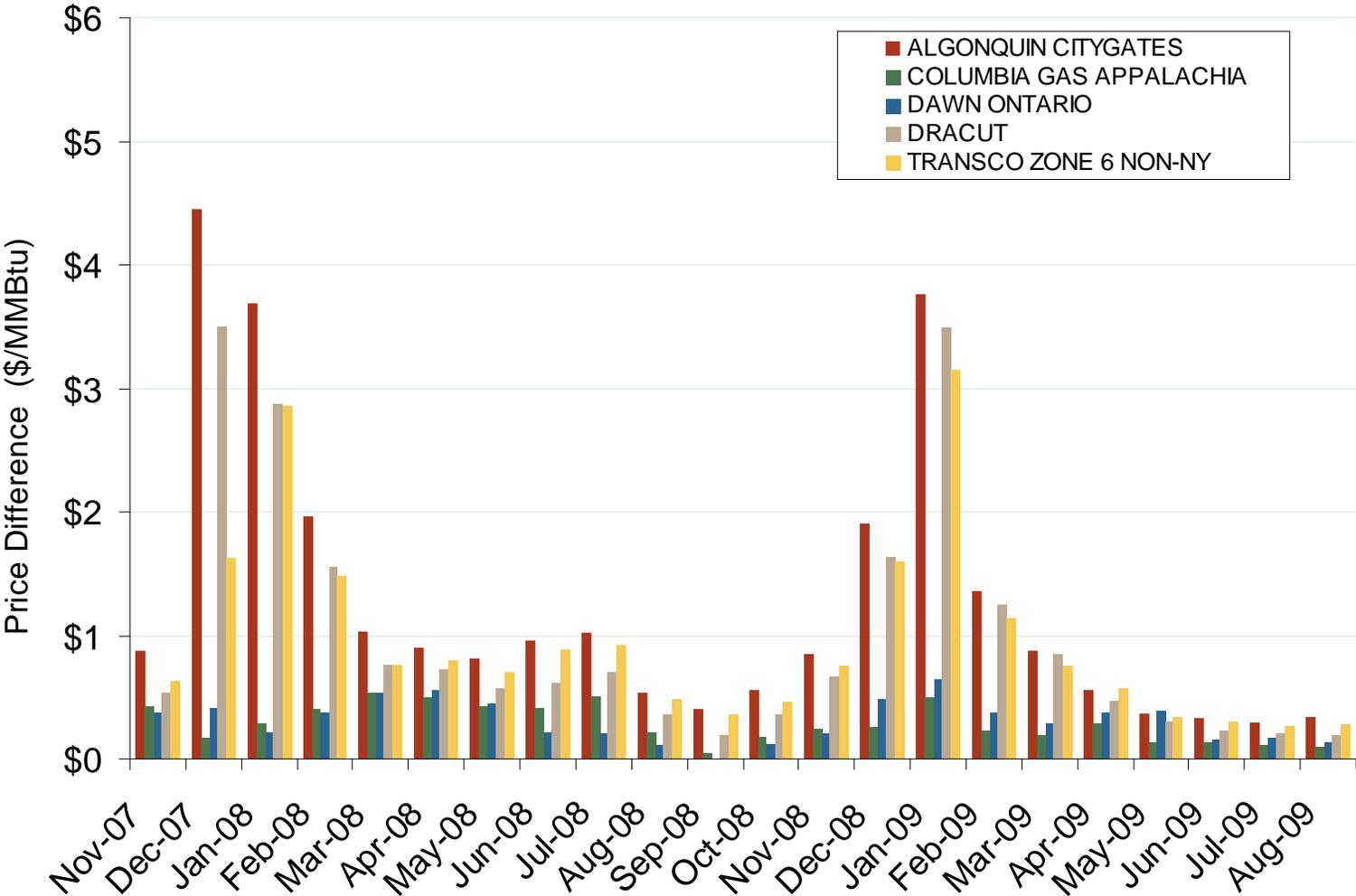
Updated September 8, 2009

Northeastern Spot Prices and Basis



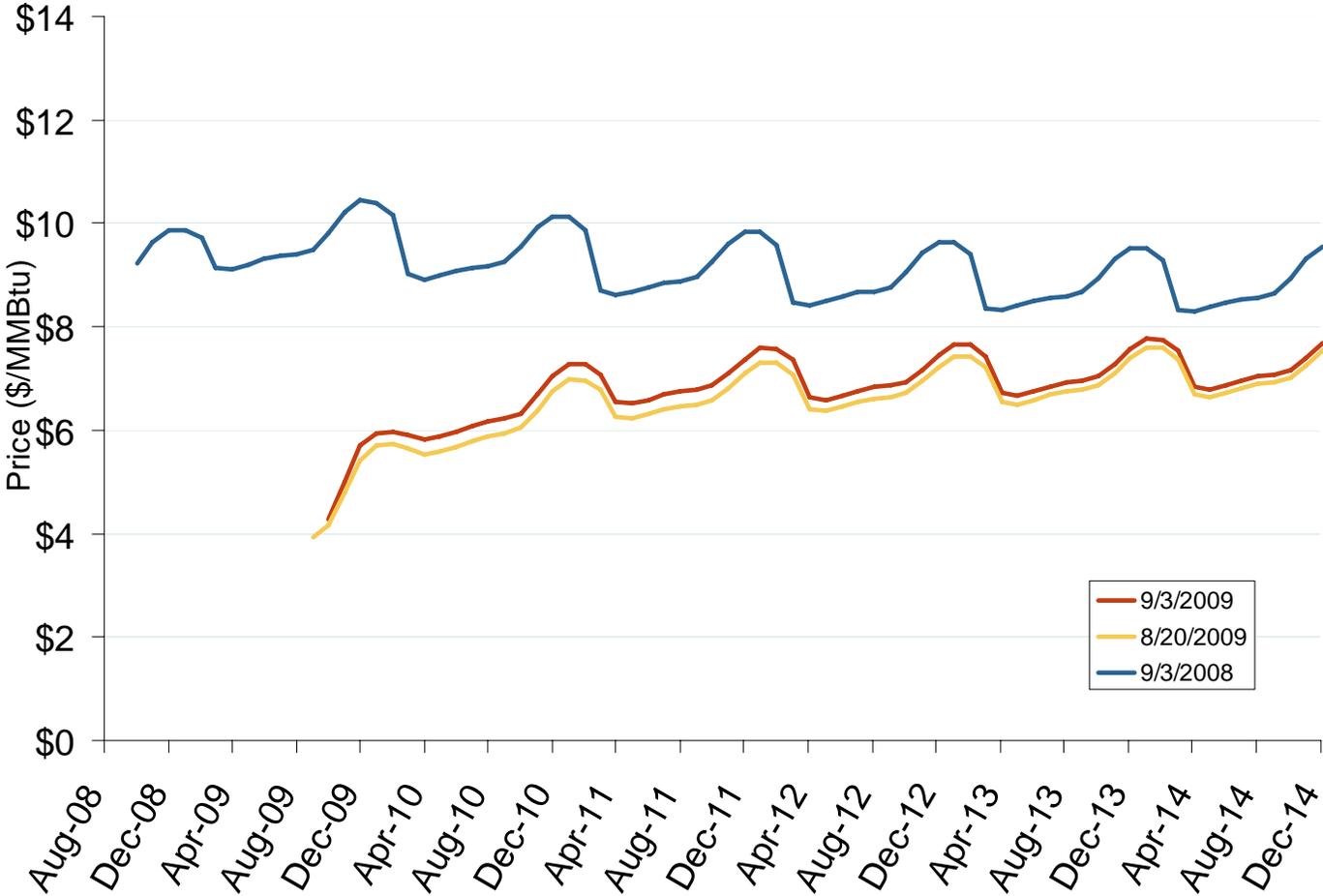
Source: Derived from *Platts* data.
September 2009 Mid-Atlantic Snapshot Report

Northeastern Monthly Average Basis Value to Henry Hub



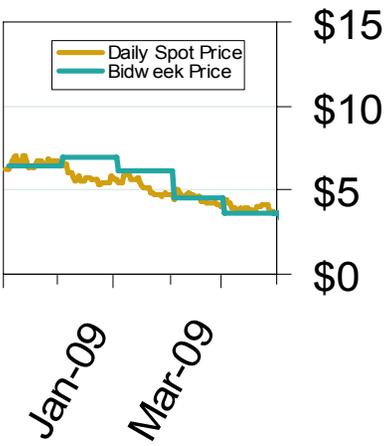
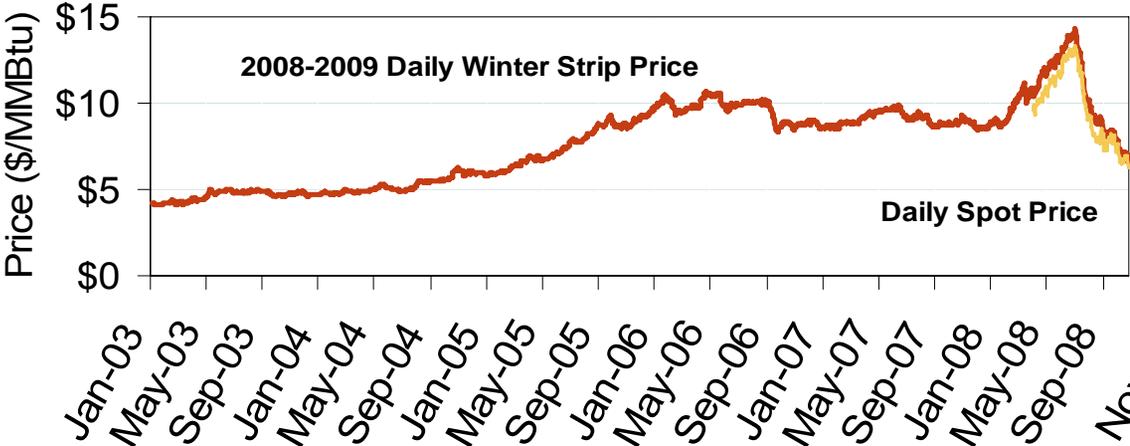
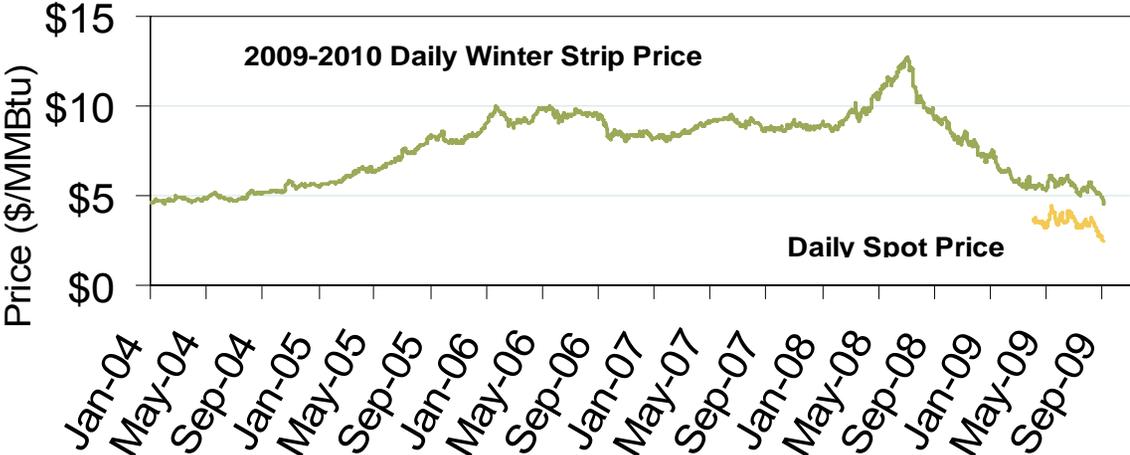
Source: Derived from *Platts* data.
September 2009 Mid-Atlantic Snapshot Report

NYMEX Natural Gas Forward Price Curve



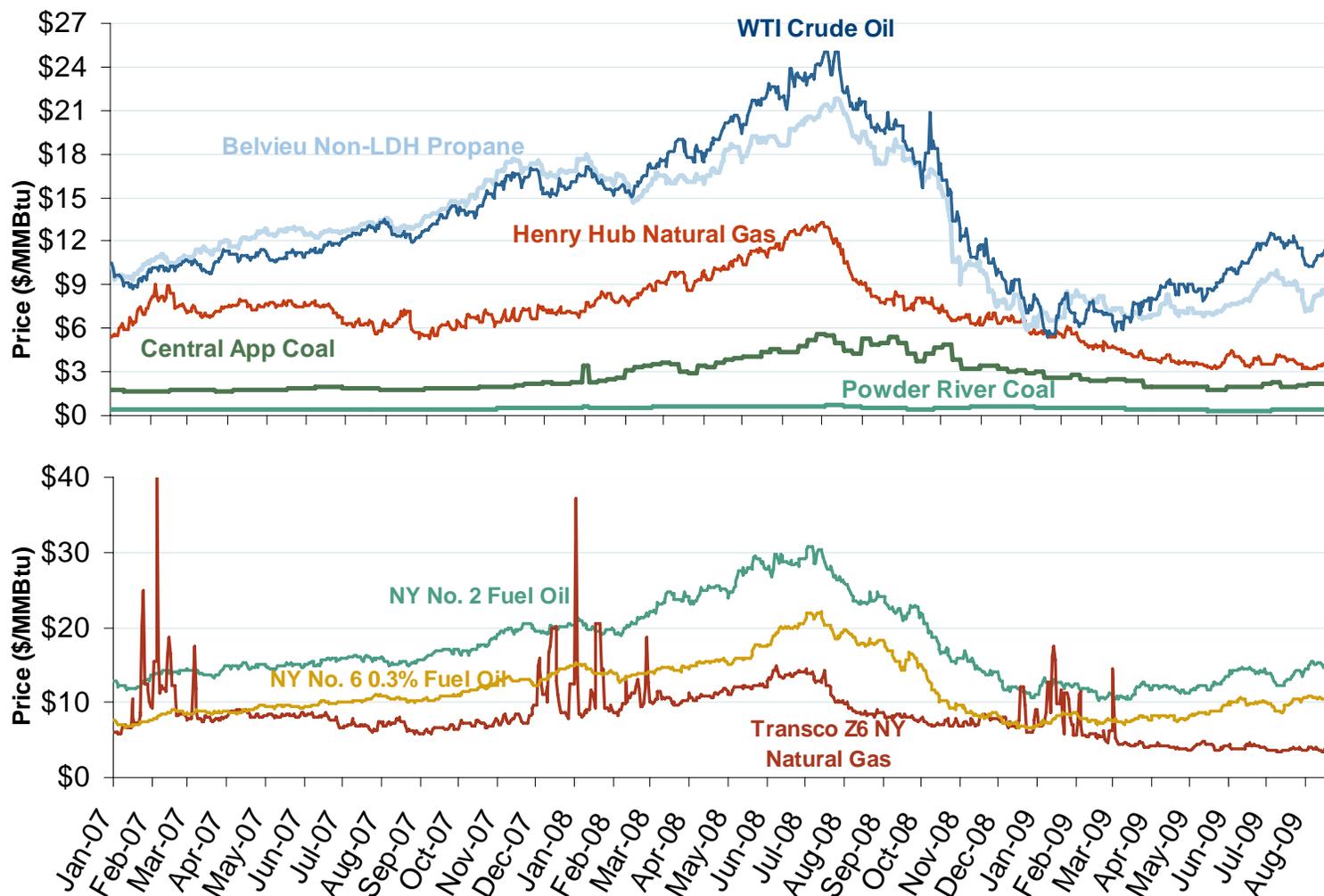
The NYMEX futures contract trades in 10,000 million Btu units. The blue series shows the forward price curve for these contracts 1-year ago. The red and yellow curves show prices for contracts traded on the current and previous months.

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



Source: Derived from *Platts* and *Nymex* data.
September 2009 Mid-Atlantic Snapshot Report

Oil, Coal, Natural Gas and Propane Daily Spot Prices

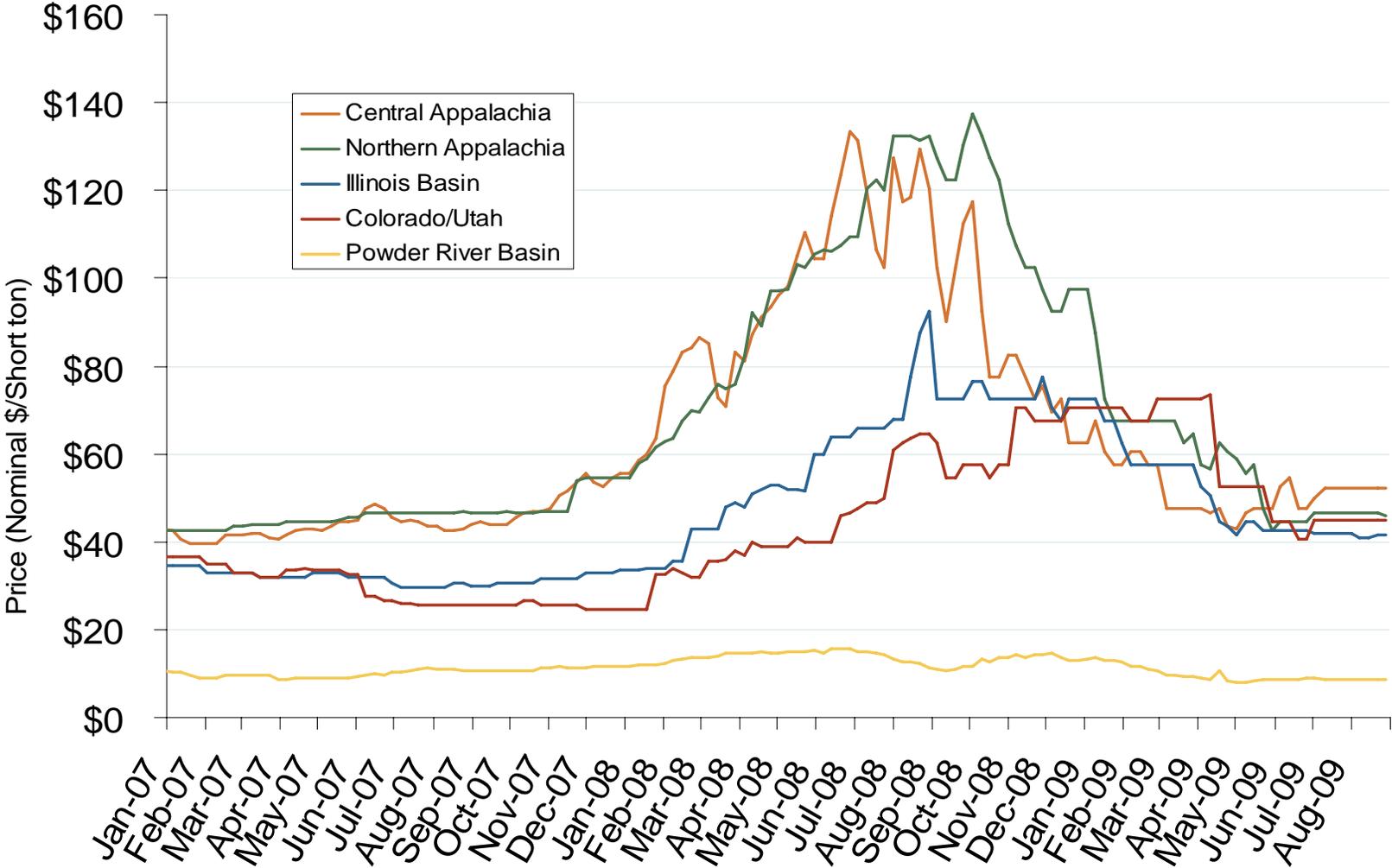


Source: Derived from *ICE* and *Bloomberg* data.

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.

Updated September 8, 2009

Regional Coal Spot Prices

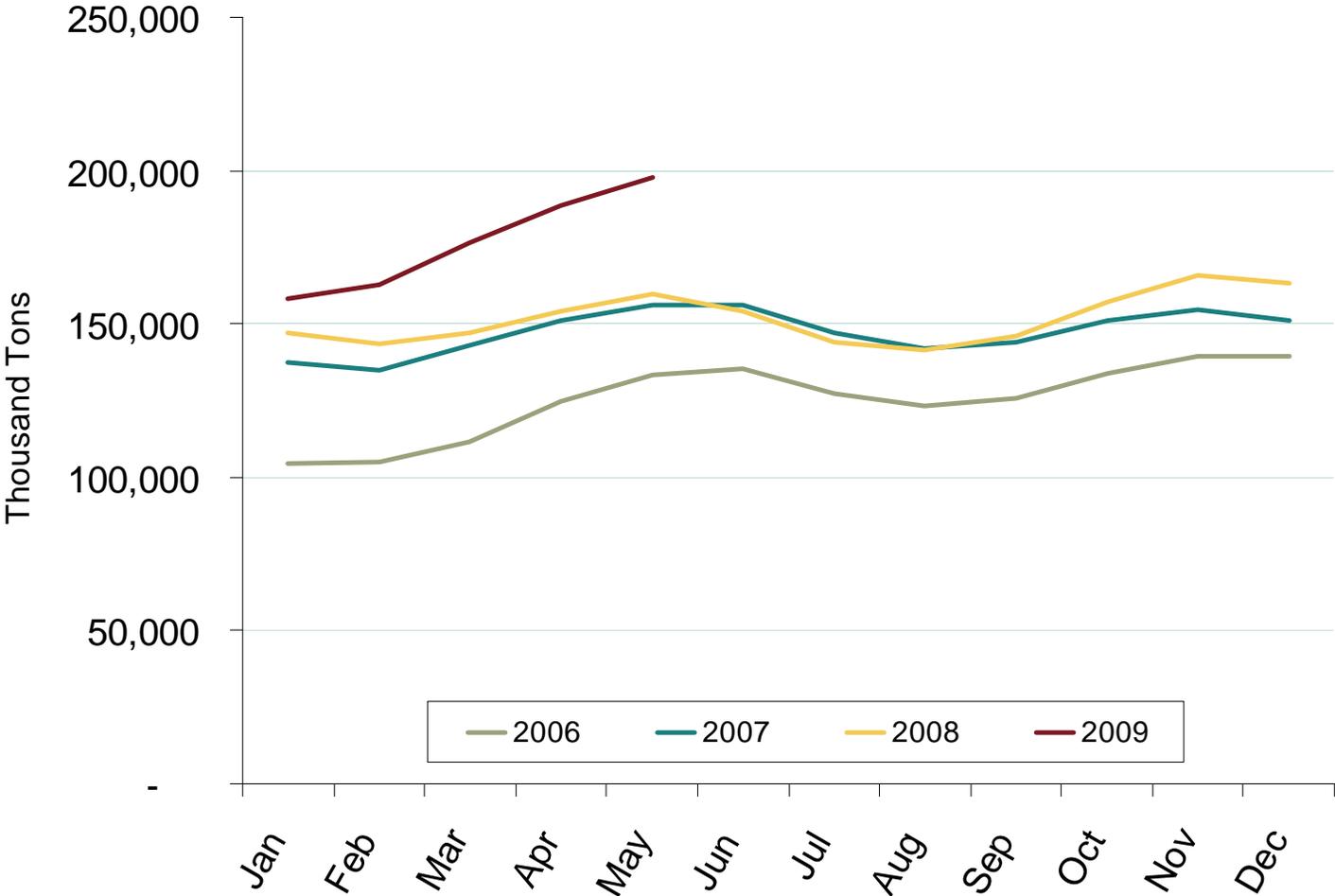


Note: Does not reflect the delivered price of coal; excludes incremental cost of emissions allowances.

Source: Derived from *Bloomberg* data.
September 2009 Mid-Atlantic Snapshot Report

Updated September 8, 2009

U.S. Coal Stockpiles

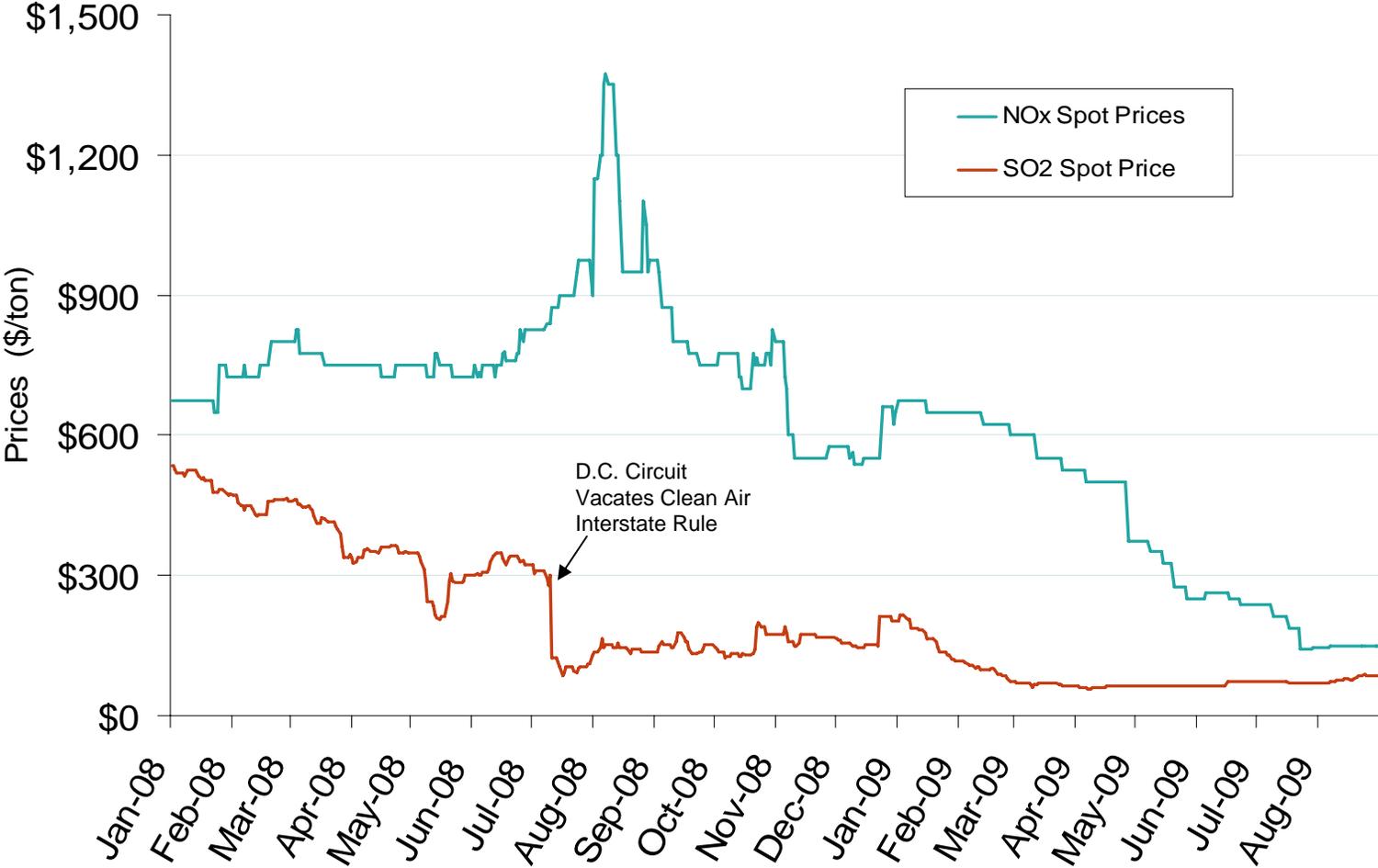


Source: Energy Information Administration

Updated September 8, 2009

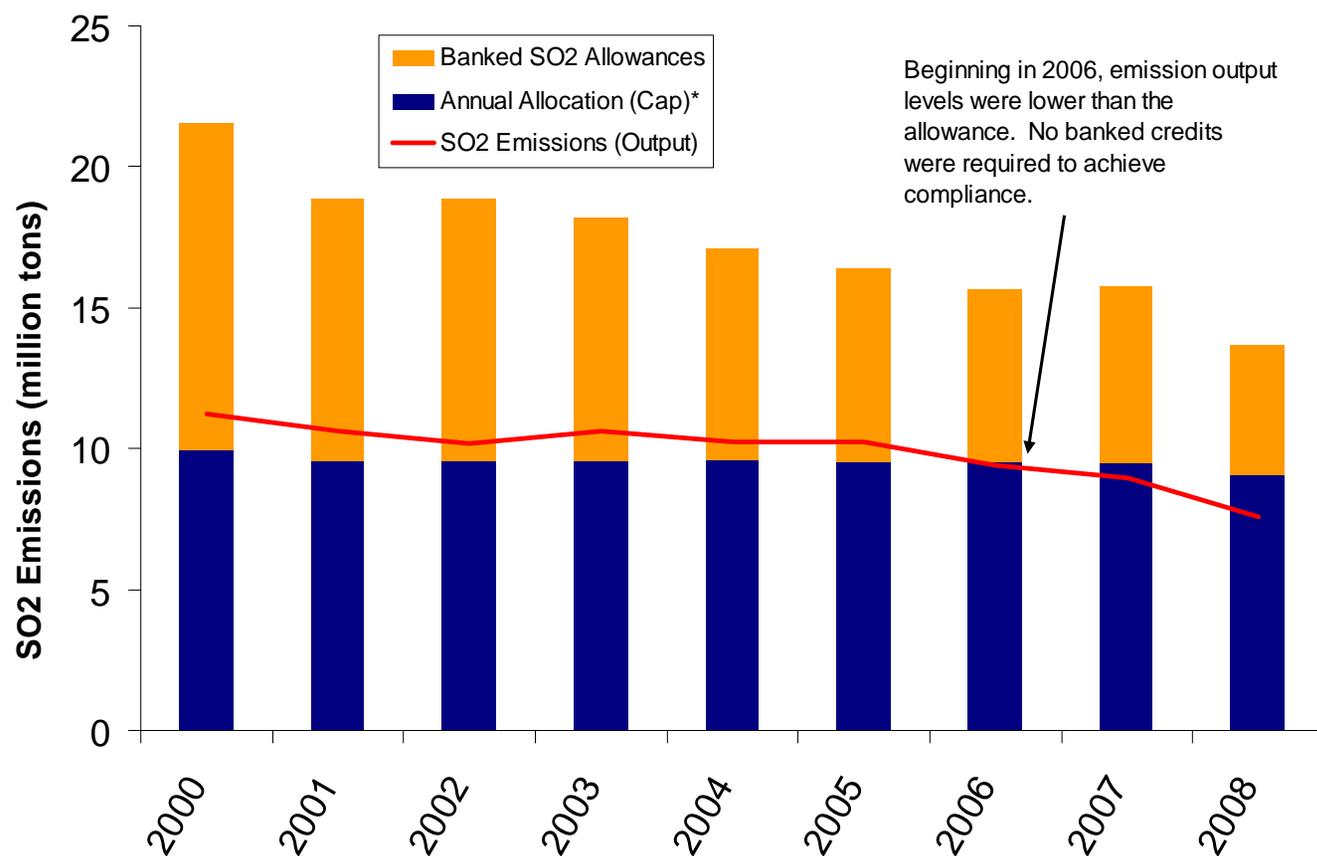
31000

SO₂ Allowance Spot Prices and NOx Seasonal Allowance Spot Prices



Source: Bloomberg
September 2009 Mid-Atlantic Snapshot Report

SO₂ Allowances Available for Compliance and SO₂ Emission Output under Cap-and-Trade

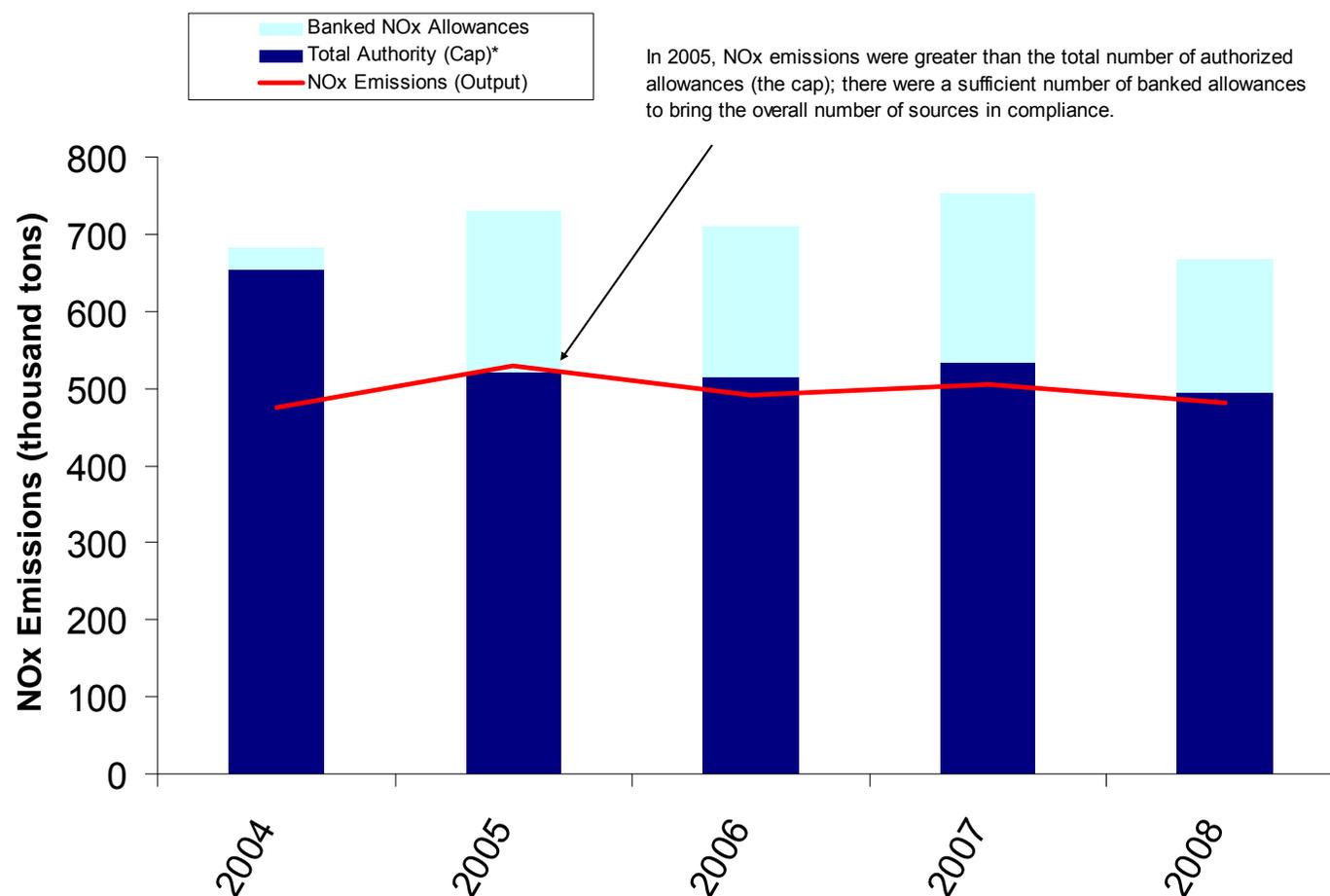


Source: EPA

* See overview on following slide.
September 2009 Mid-Atlantic Snapshot Report

Updated August 20, 2009

NOx Allowances Available for Compliance and NOx Emission Output under Cap-and-Trade



Source: EPA

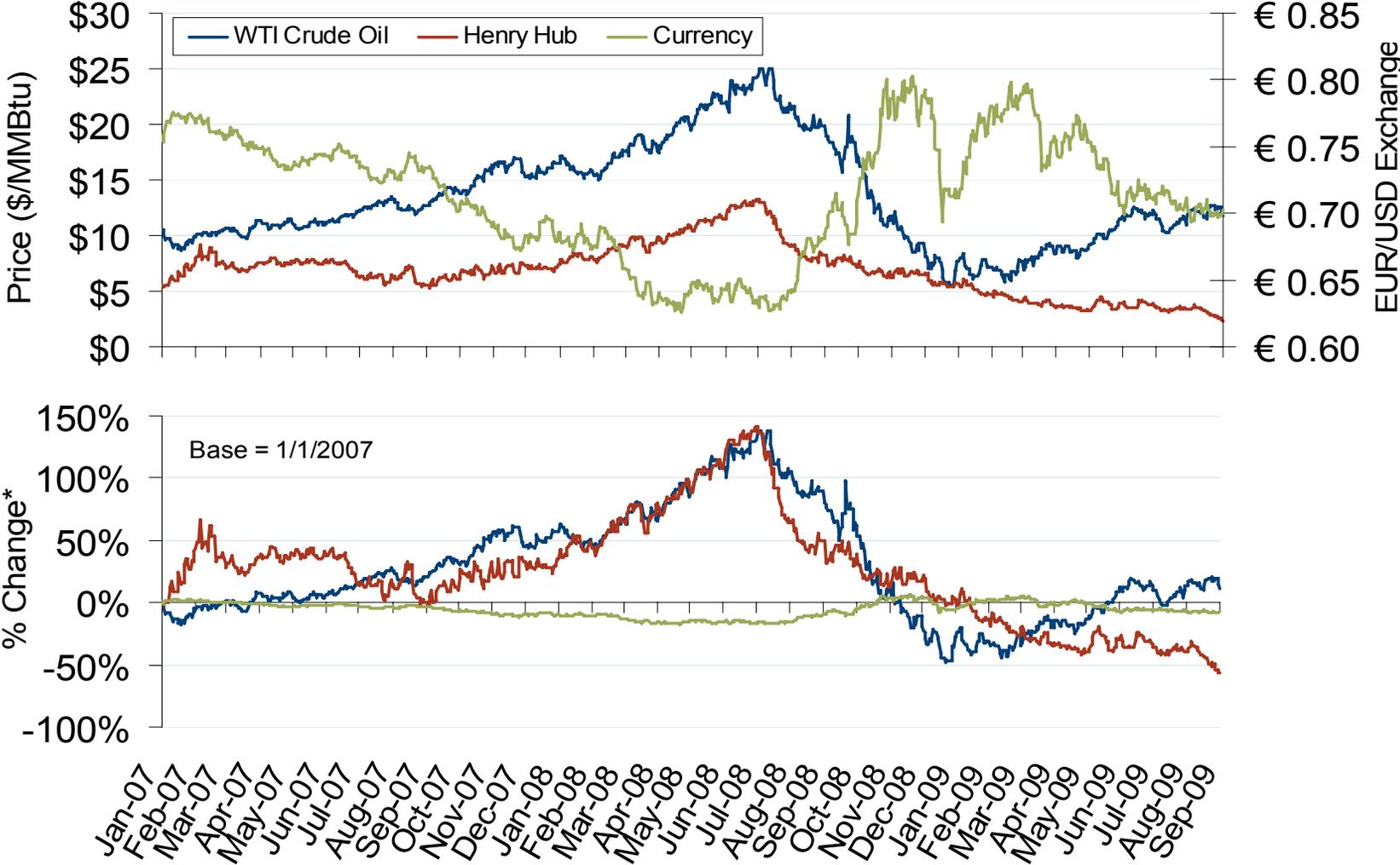
* See notes on following slide.

September 2009 Mid-Atlantic Snapshot Report

Updated August 20, 2009

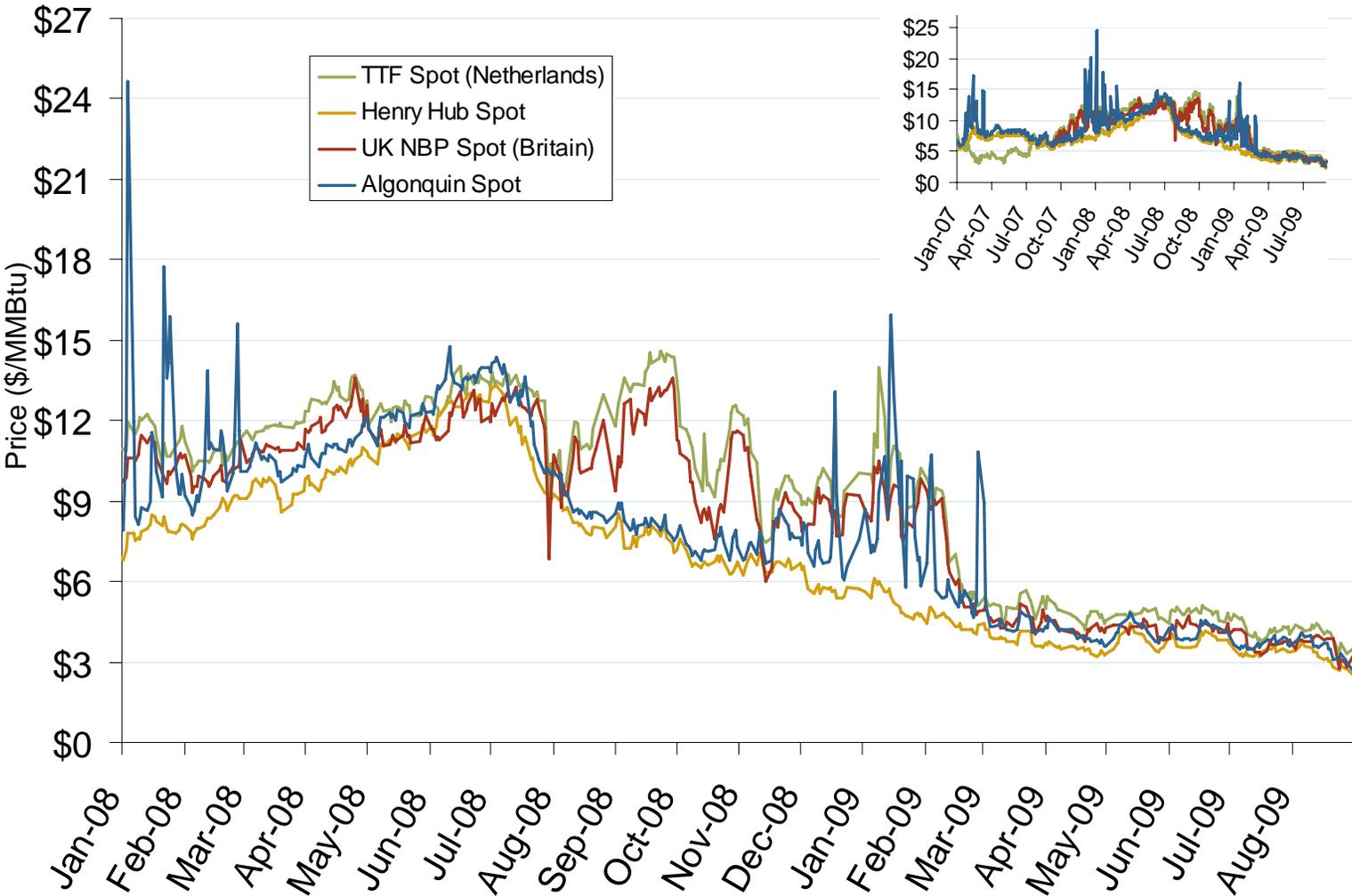
3031

Oil, Natural Gas and Currency Spot Prices



Source: Derived from *Bloomberg* data.

Atlantic Basin European and US Spot Natural Gas Prices



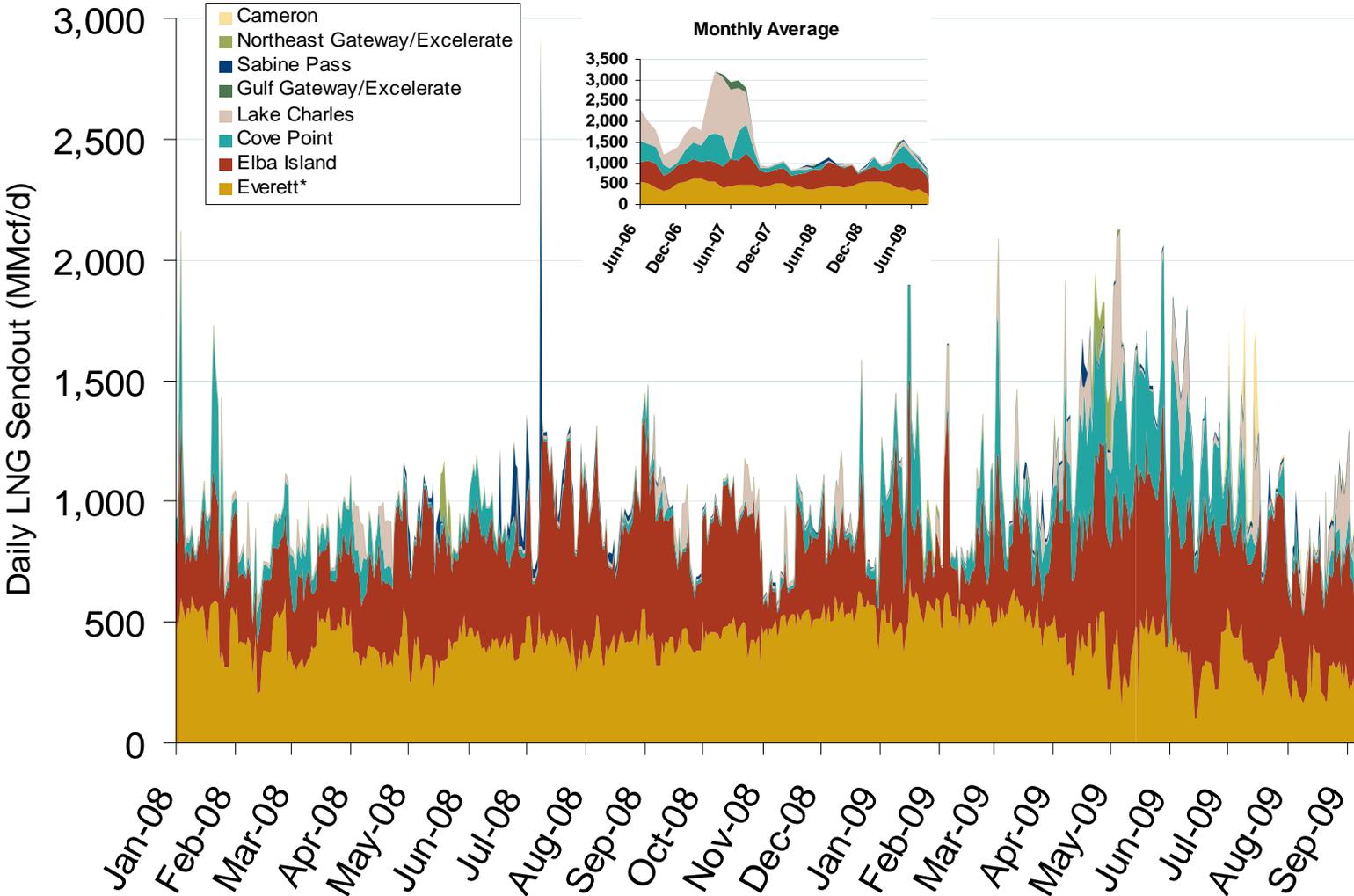
Source: Derived from *Bloomberg* and *ICE* data.
September 2009 Mid-Atlantic Snapshot Report

Updated September 8, 2009

World LNG Estimated September 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.

Updated September 8, 2009