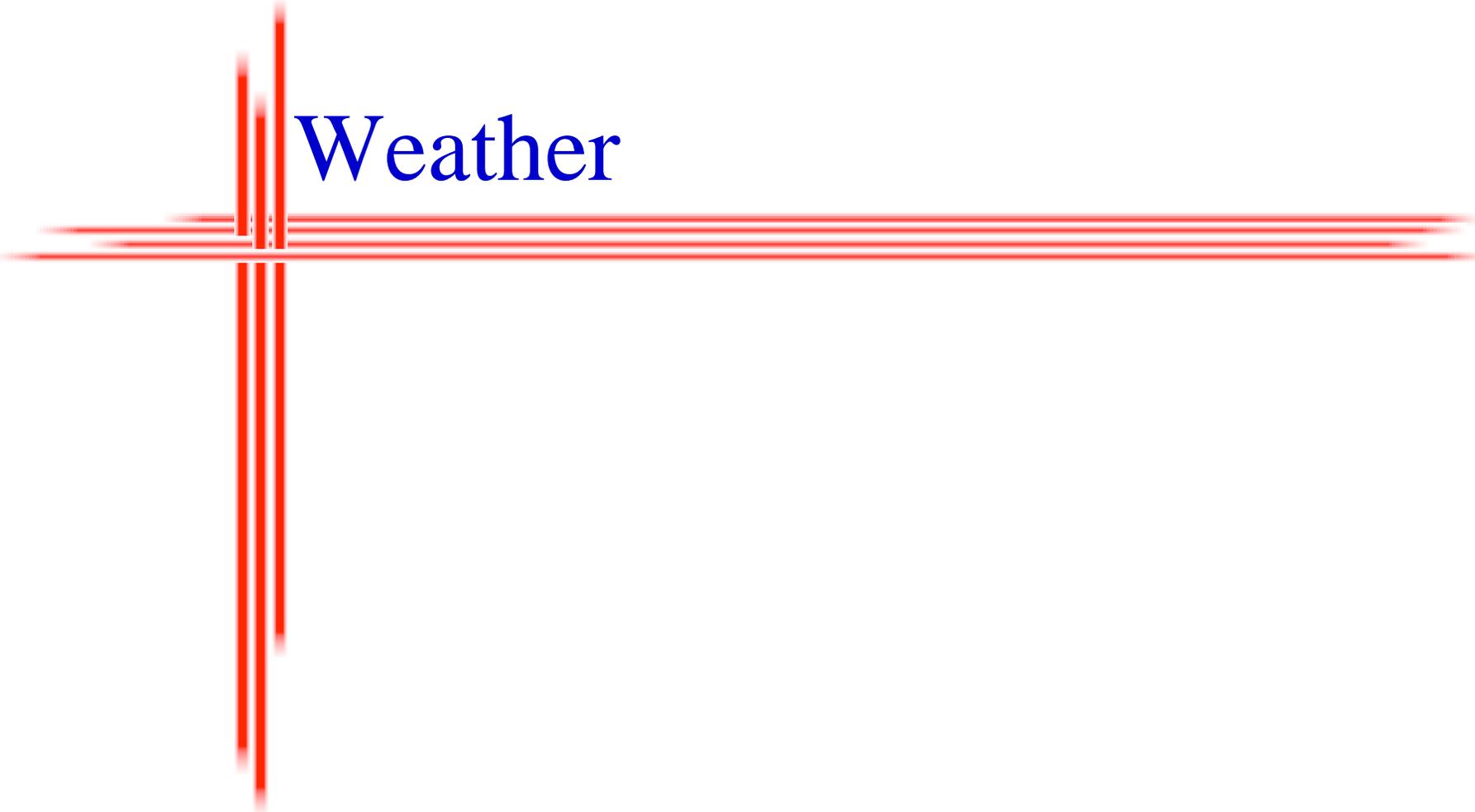


OE ENERGY MARKET SNAPSHOT

Midwest States Version – February 2011 Data

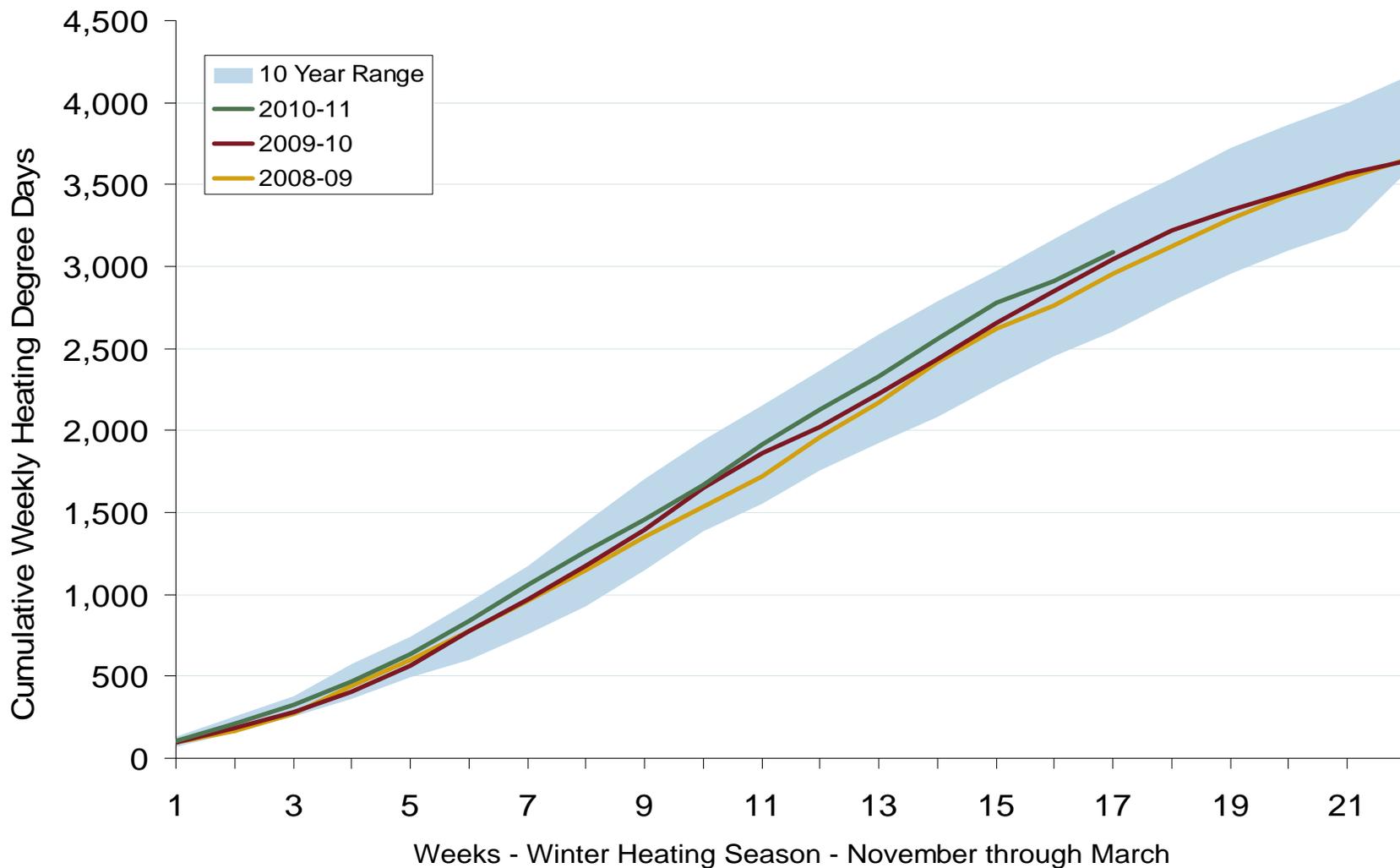
- **Weather**
- **Natural Gas and Fuel Markets**
- **Electricity Markets**

Office of Enforcement
Federal Energy Regulatory Commission
March 2011



Weather

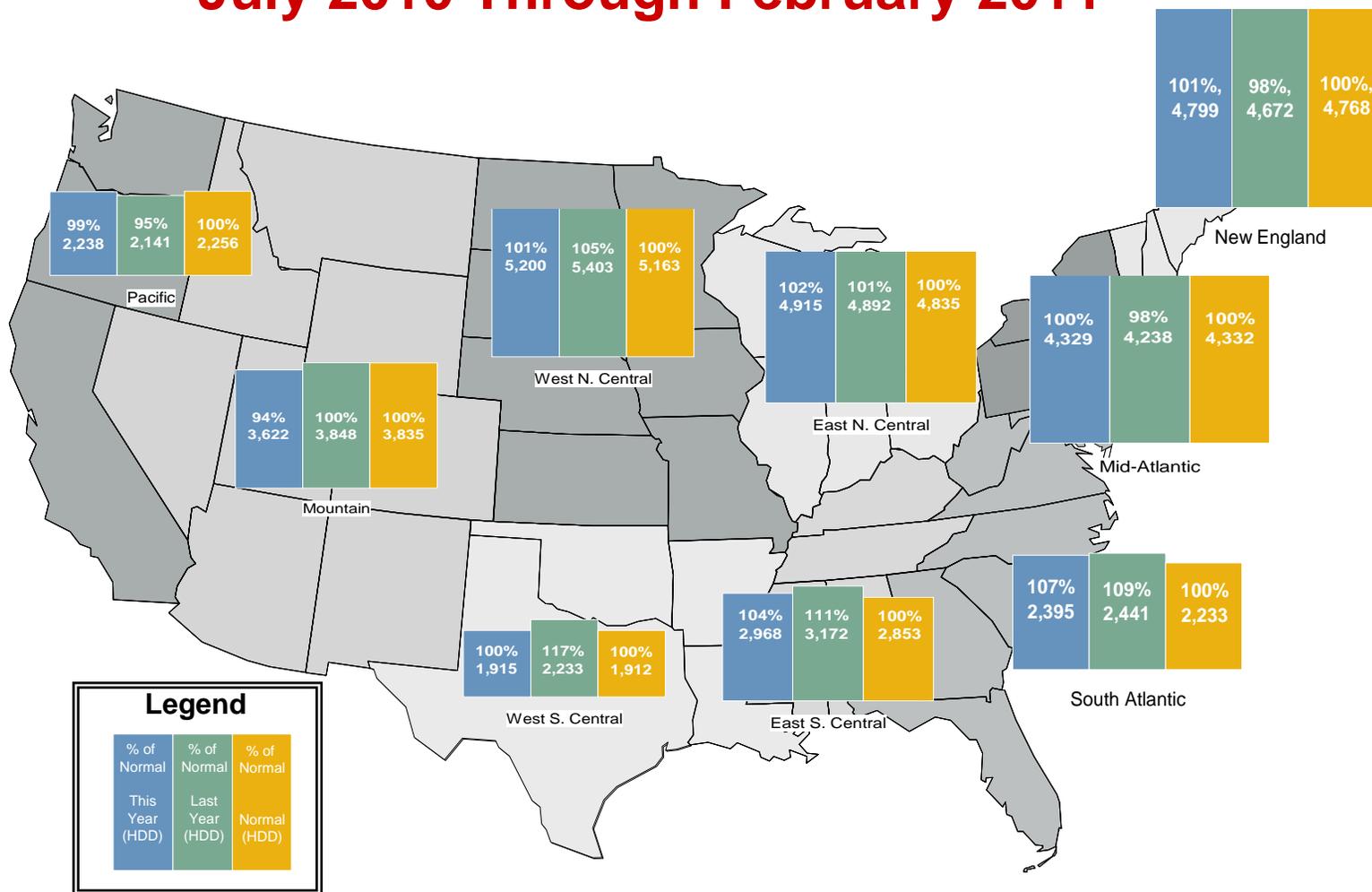
U. S. Winter Cumulative Heating Degree Days



Source: Derived from NOAA data.
March 2011 Midwest Snapshot Report

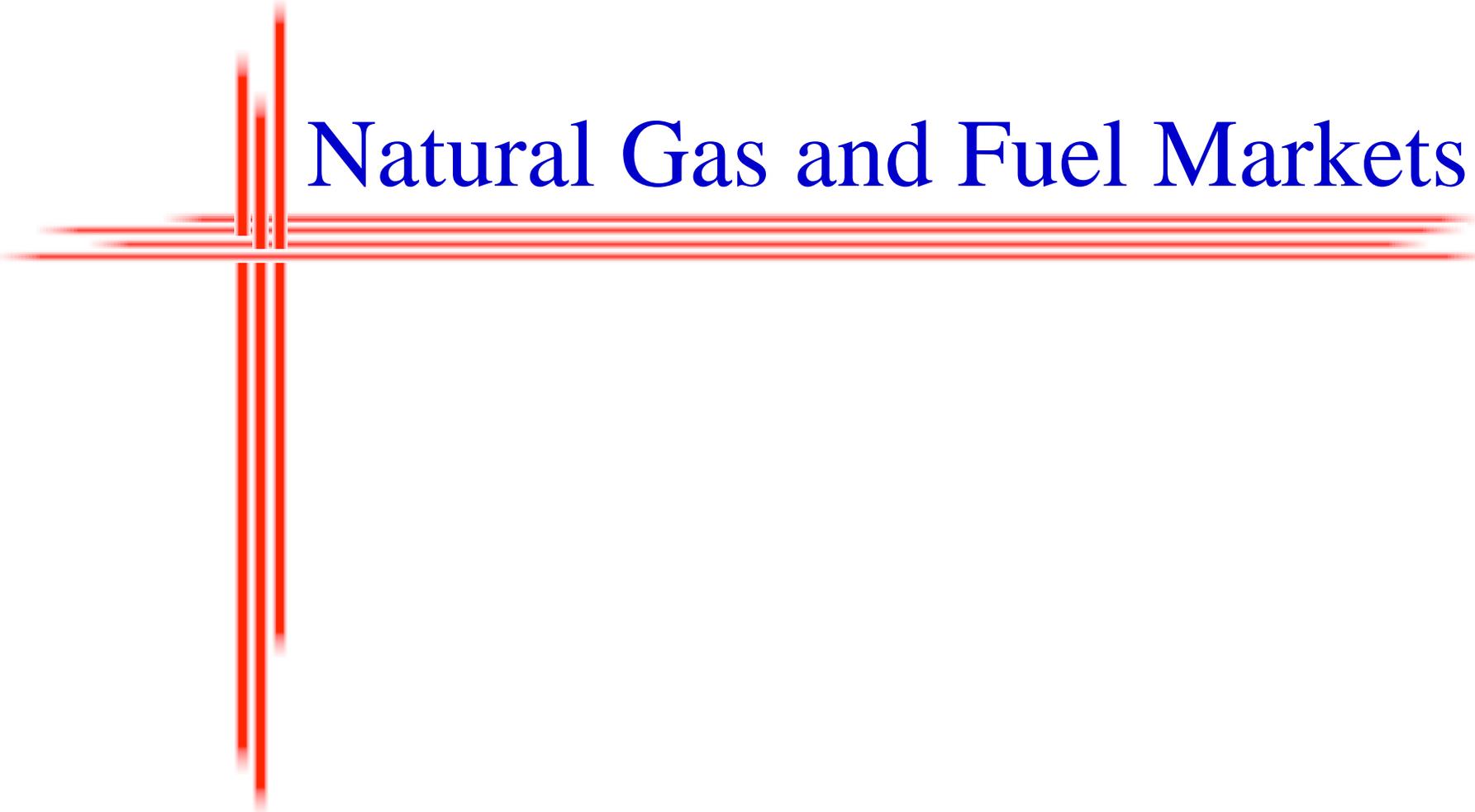
Updated: March 08, 2011

Regional Heating Degree Days July 2010 Through February 2011



Source: Derived from NOAA data. Normal is based on a 30-year average of heating degree day data.
March 2011 Midwest Snapshot Report

Updated: March 08, 2011

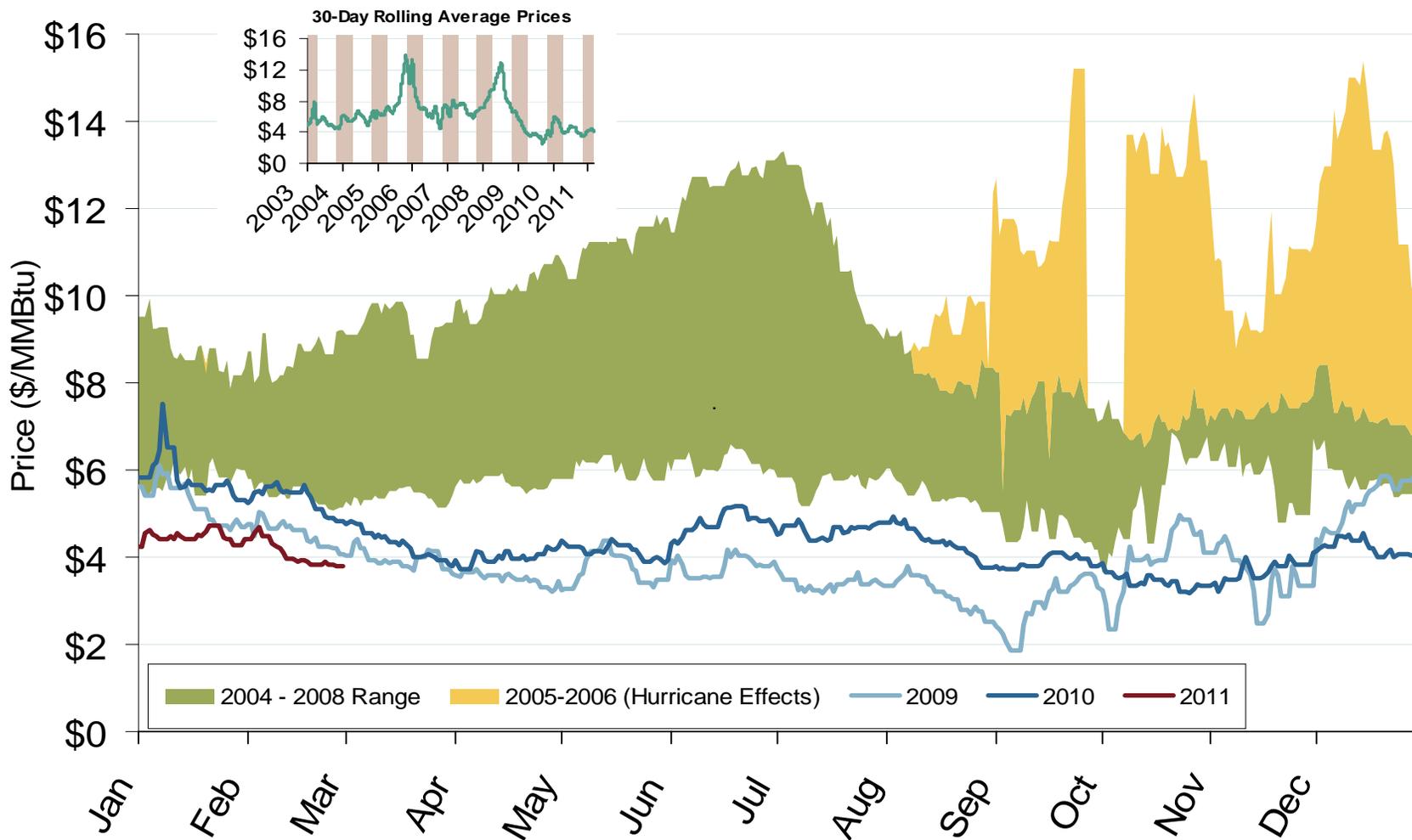


Natural Gas and Fuel Markets

Natural Gas Market Overview: 5 Year Range of Henry Hub Spot Prices

Federal Energy Regulatory Commission • Market Oversight • www.ferc.gov/oversight

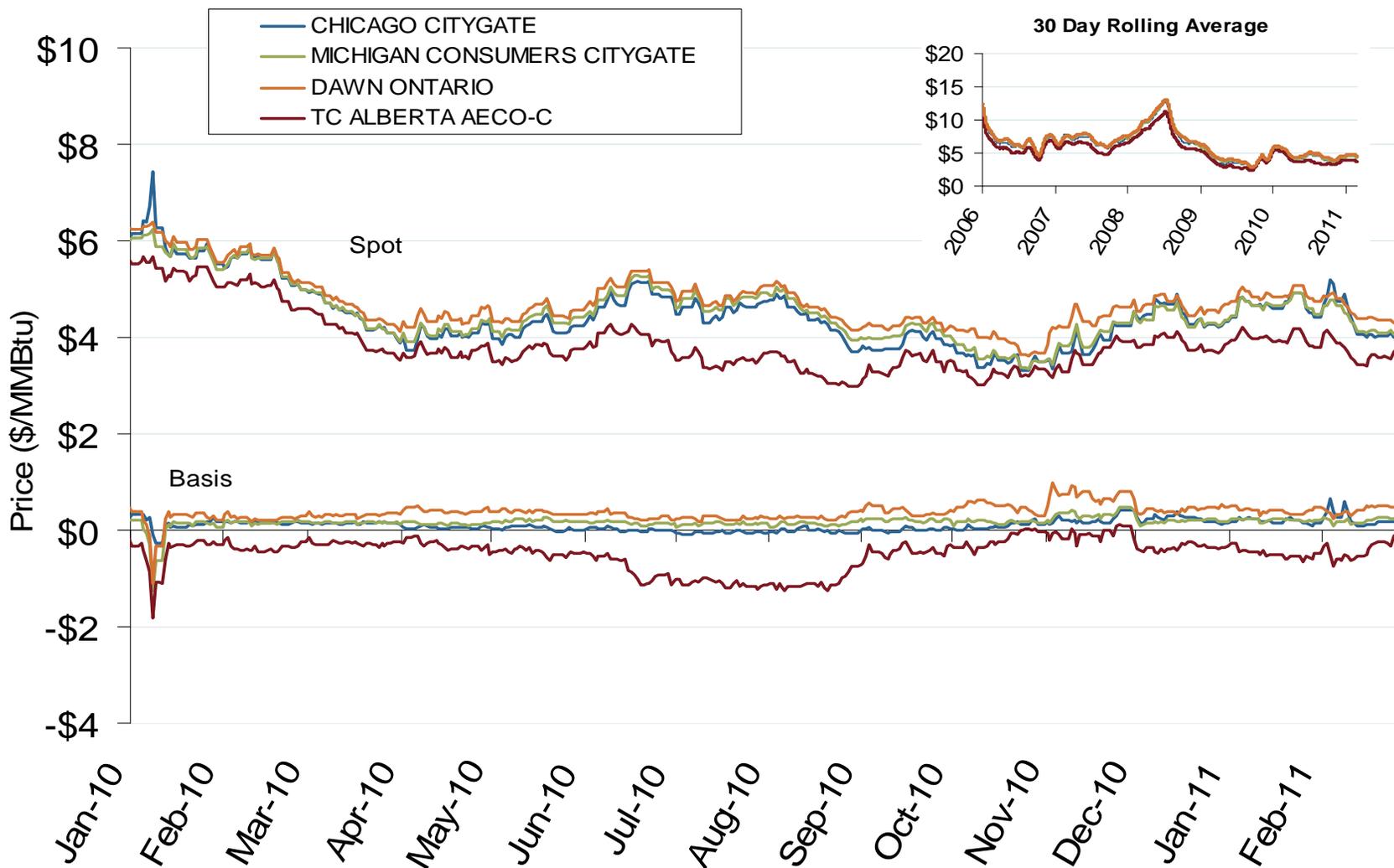
Henry Hub Natural Gas Daily Spot Prices



Source: Derived from *Platts* data.

Updated: March 08, 2011

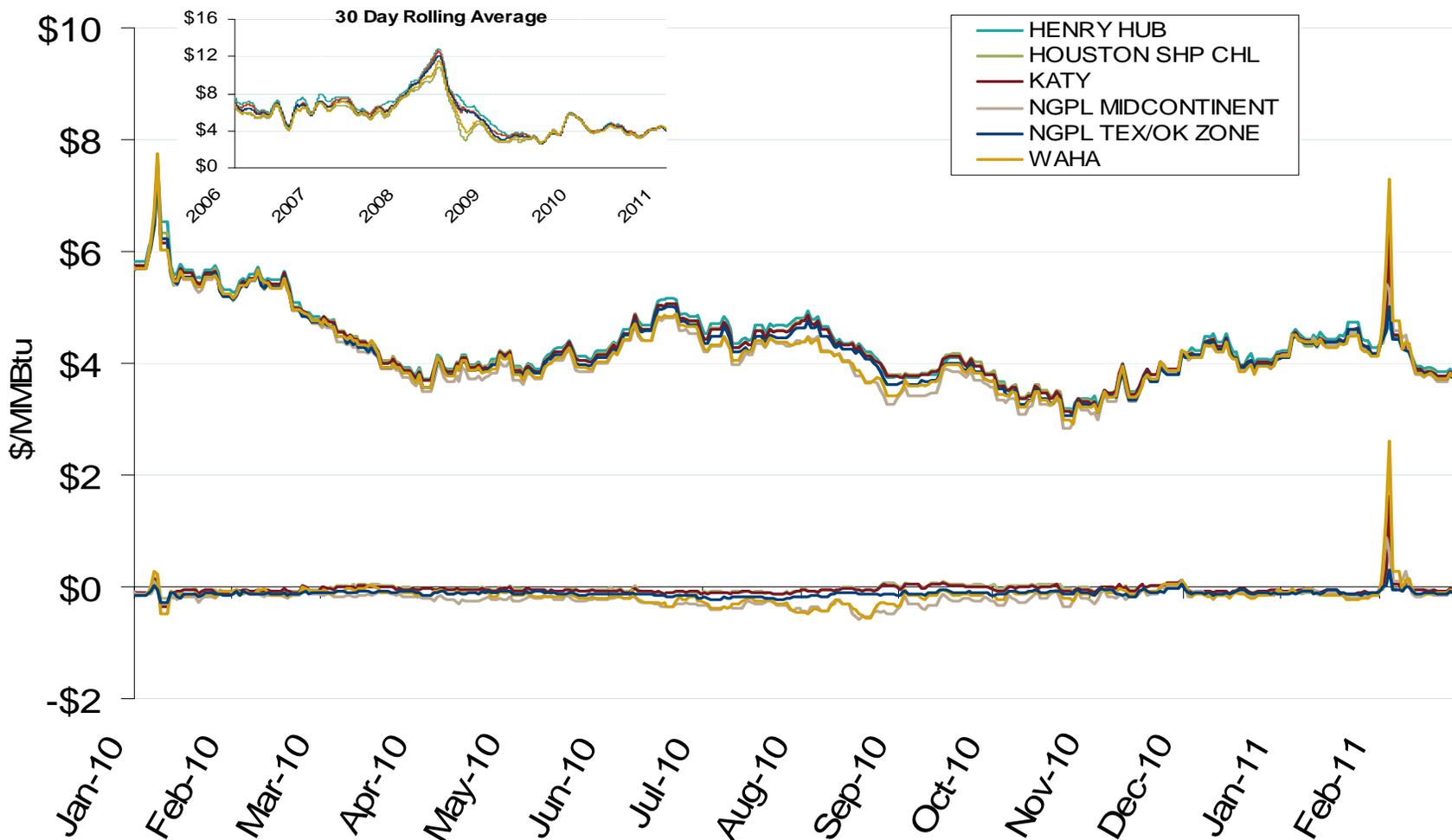
Midwestern Day-Ahead Hub Spot Prices and Basis



Source: Derived from *Platts* data.

Updated: March 07, 2011

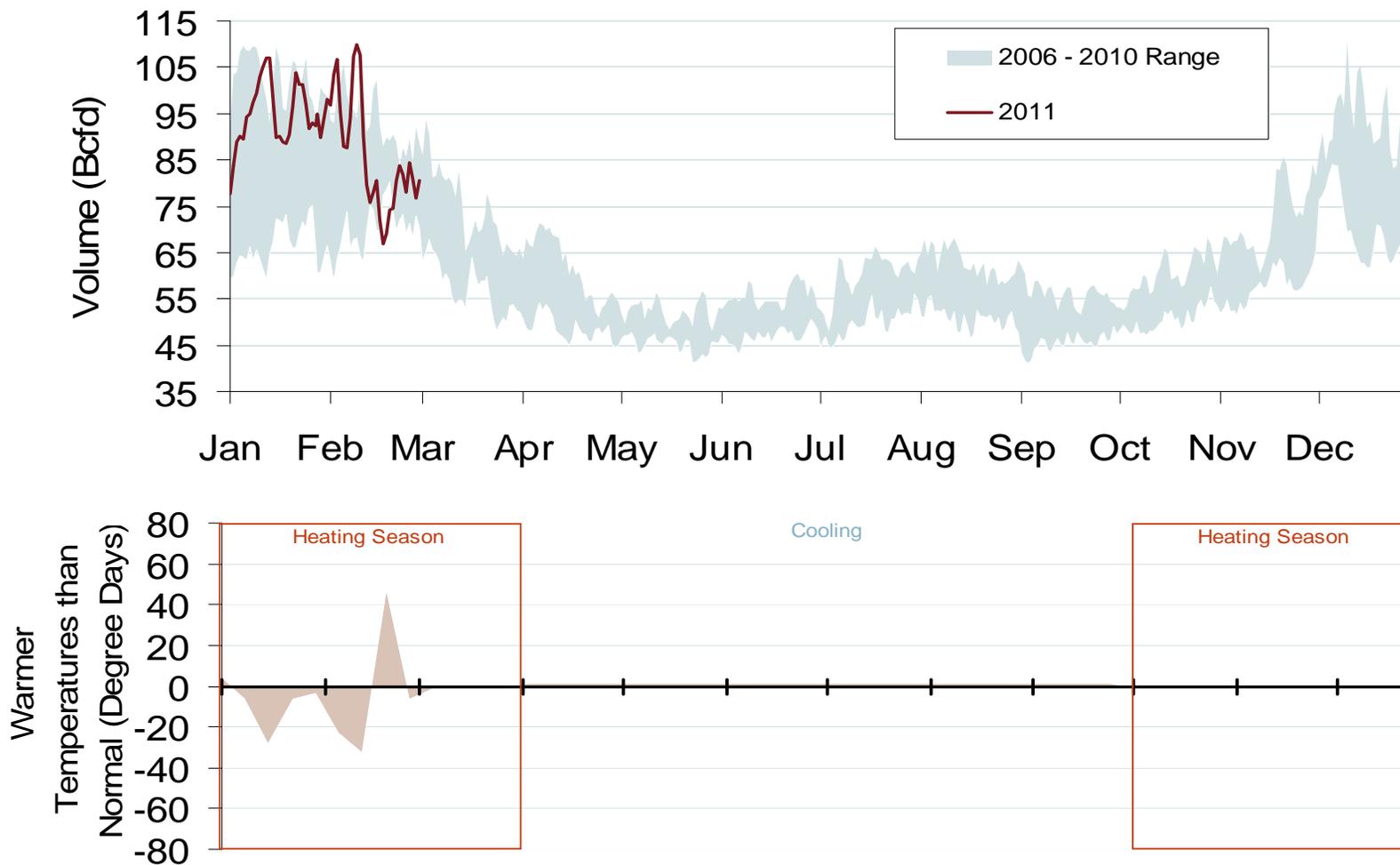
Gulf Day-Ahead Hub Spot Prices and Basis



Source: Derived from *Platts* data.

Updated: March 08, 2011

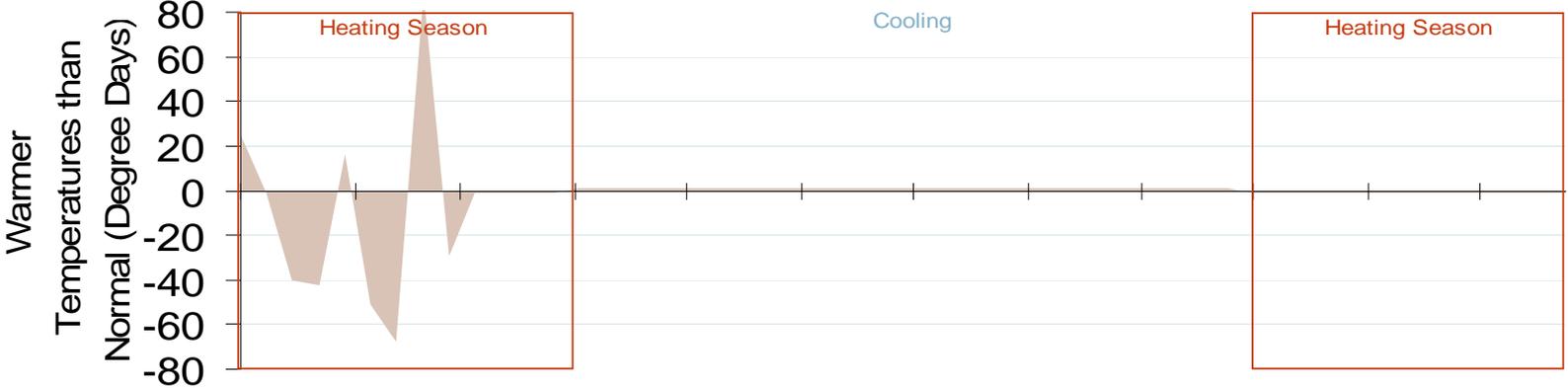
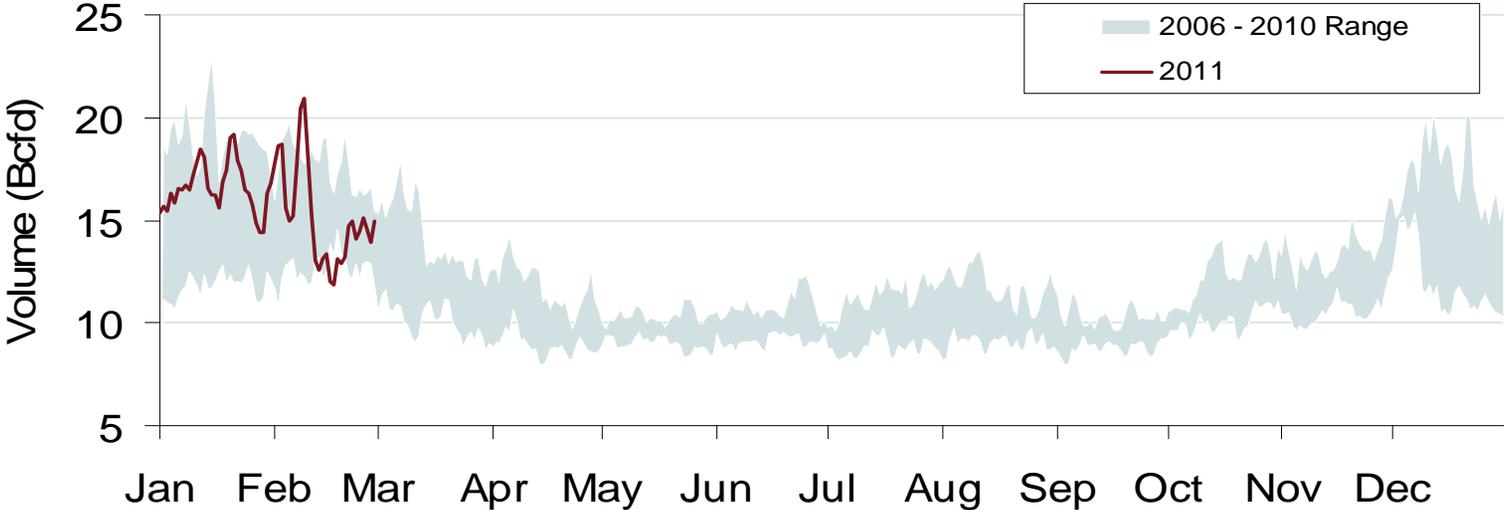
Total U.S. Natural Gas Demand (All Sectors) and Temperatures



Source: Derived from *Bentek Energy* and *Weekly NOAA* data.

Updated: March 08, 2011

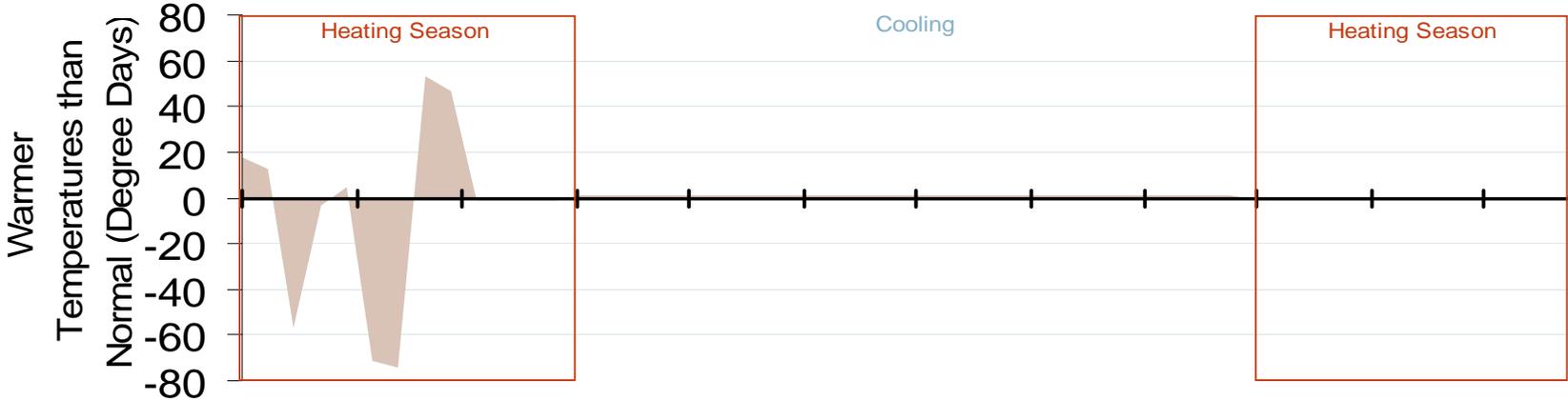
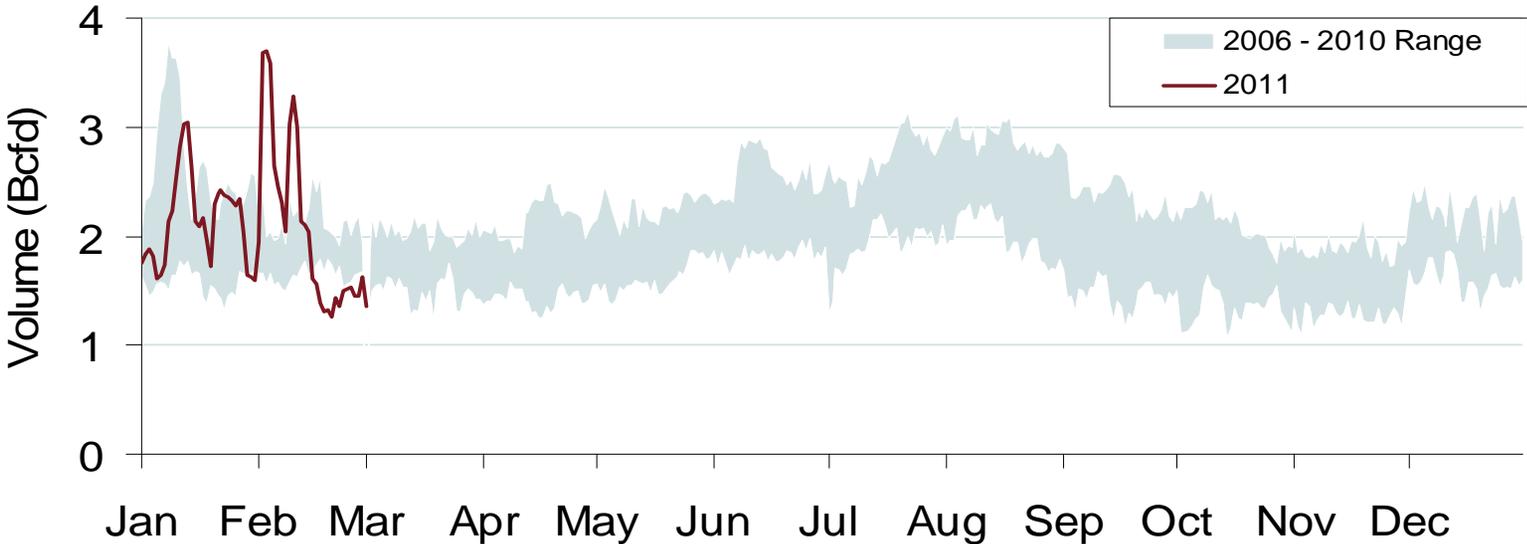
Daily Midwest Natural Gas Demand All Sectors



Source: Derived from *Bentek Energy* and Weekly NOAA data.

Updated: March 08, 2011

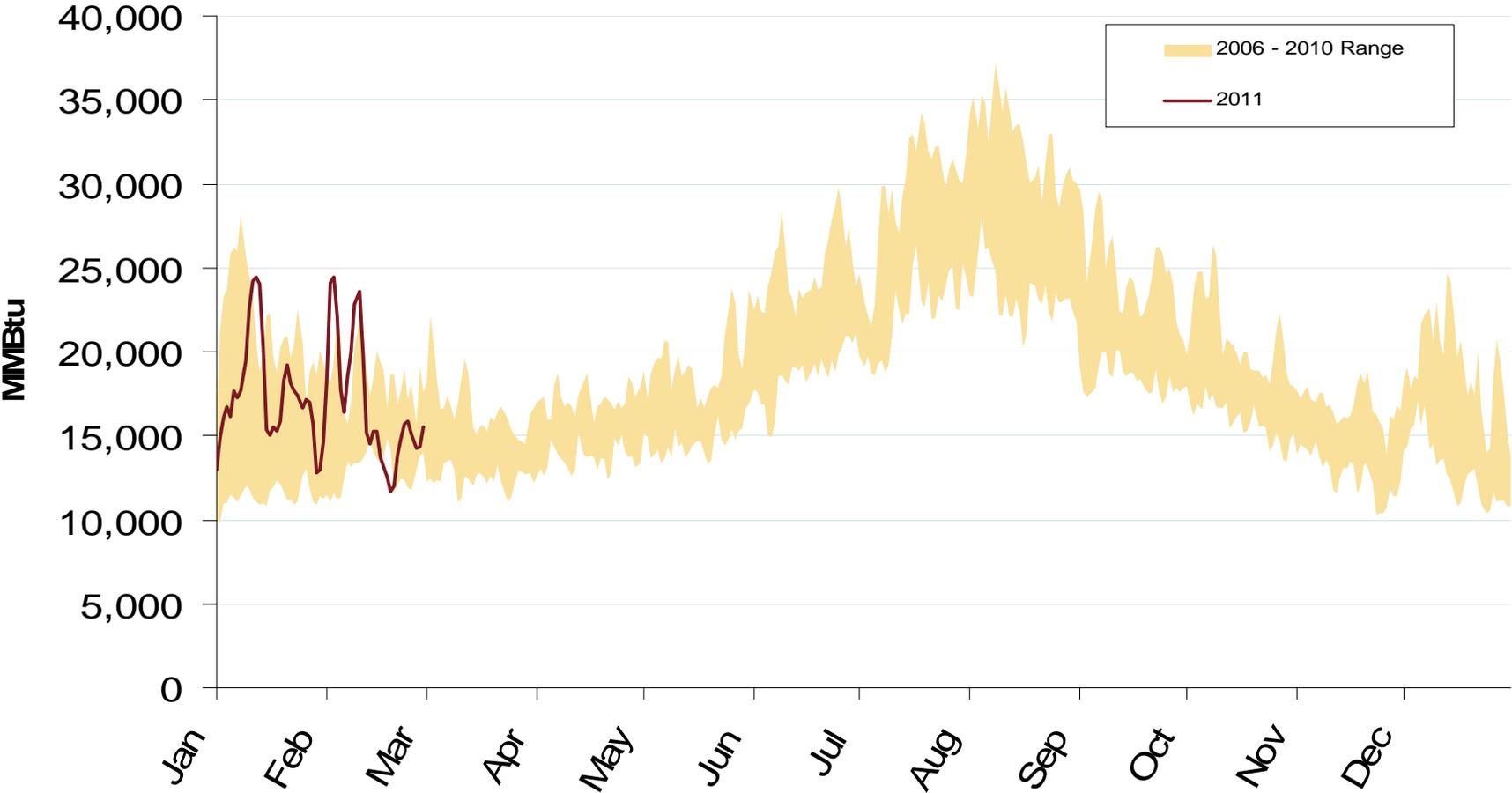
Daily Gulf Natural Gas Demand All Sectors



Source: Derived from *Bentek Energy* and *Weekly NOAA* data.

Updated: March 08, 2011

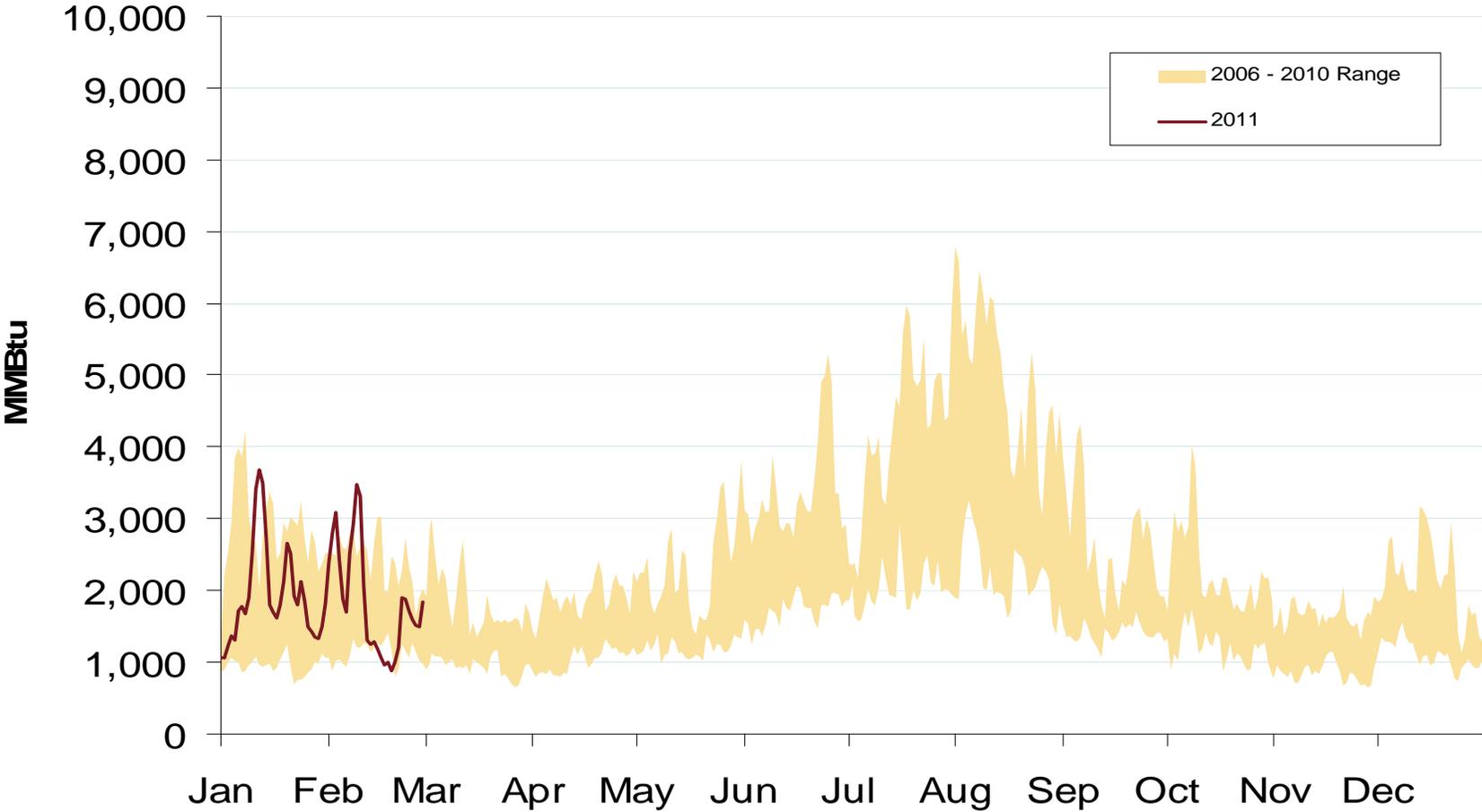
U.S. Natural Gas Consumption for Power Generation



Source: Derived from *Bentek Energy* data.

Updated: March 08, 2011

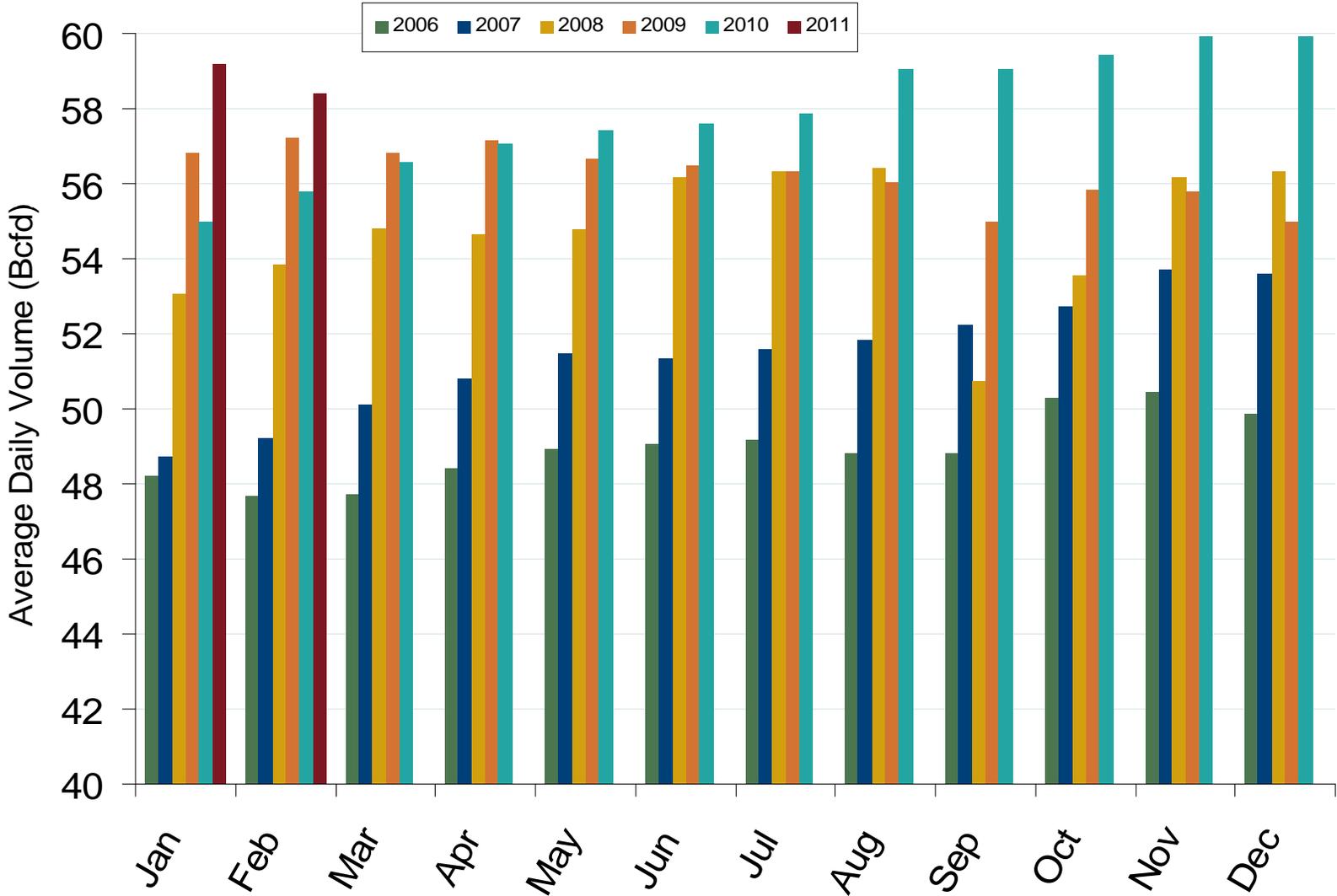
Midwest Natural Gas Consumption for Power Generation



Source: Derived from *Bentek Energy* data.

Updated: March 08, 2011

U.S. Dry Gas Production



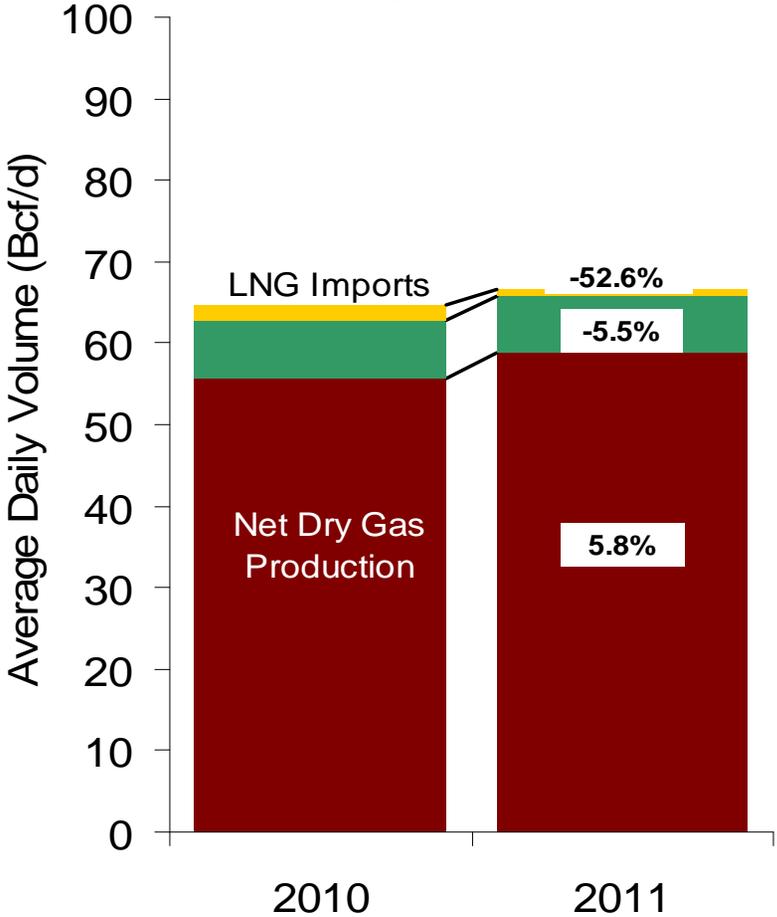
Source: Derived from EIA and Bentek data.
March 2011 Midwest Snapshot Report

Updated: March 08, 2011

U.S. Natural Gas Supply and Demand 2010 vs. 2011: February

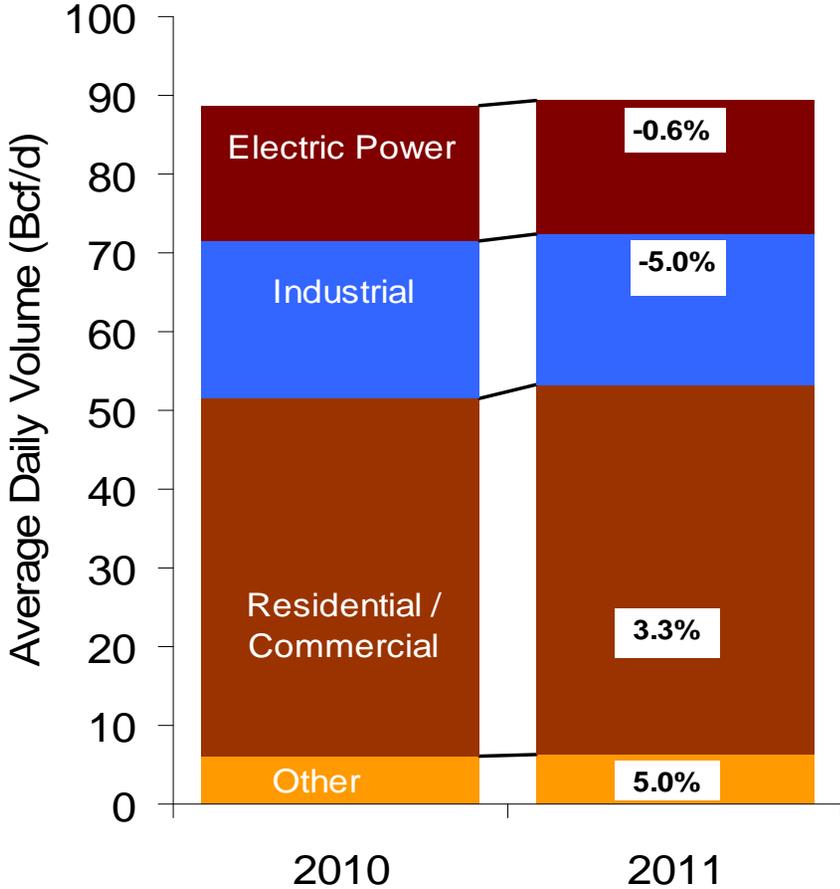
US Natural Gas Supply

Total Change in Supply 2.9%



US Natural Gas Demand

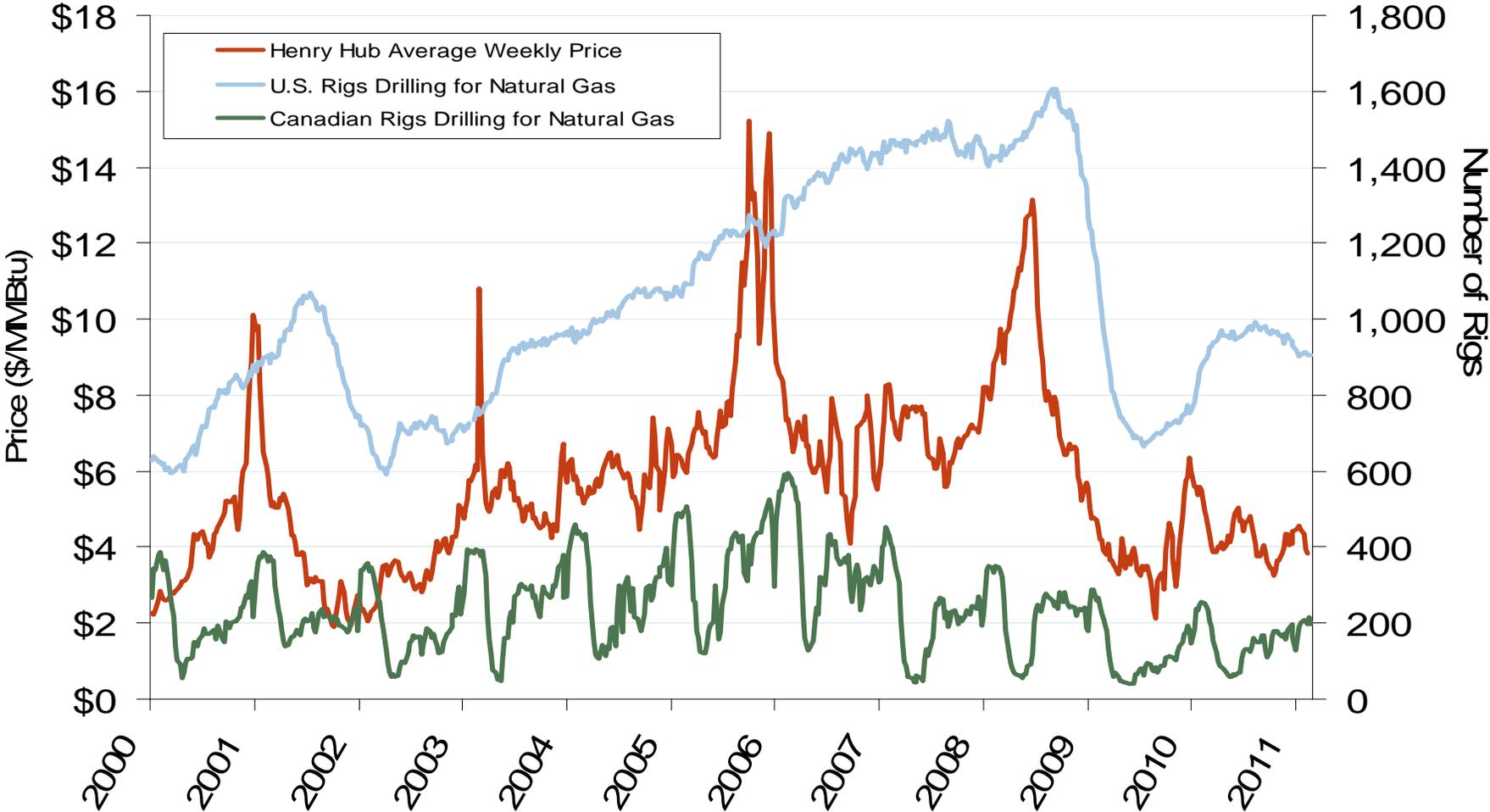
Total Change in Demand 4.5%



Source: Derived from Bentek data.
March 2011 Midwest Snapshot Report

Updated: March 08, 2011

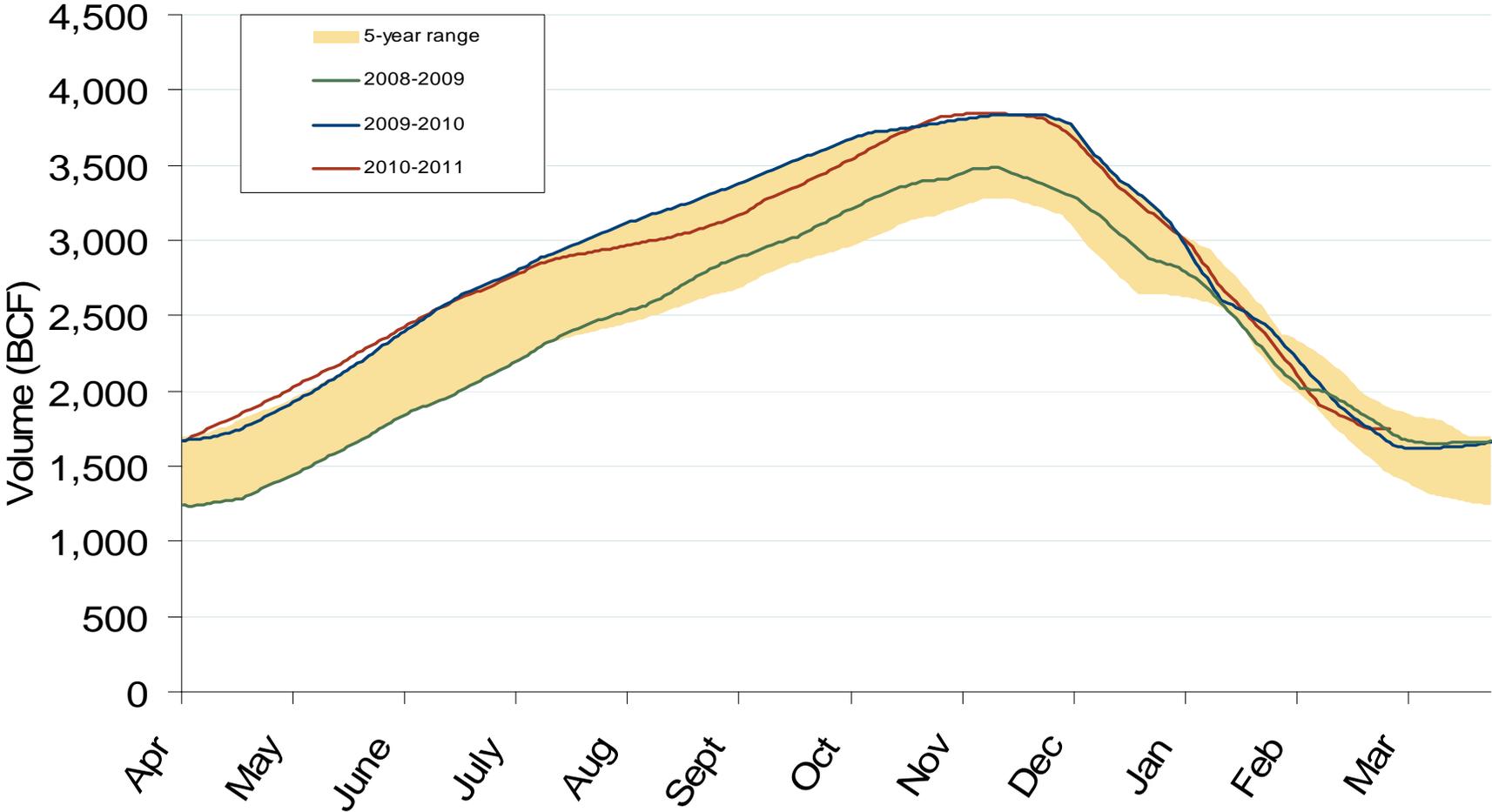
U.S. and Canadian Natural Gas Drilling Rig Count and Daily Spot Prices



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

Updated: March 08, 2011

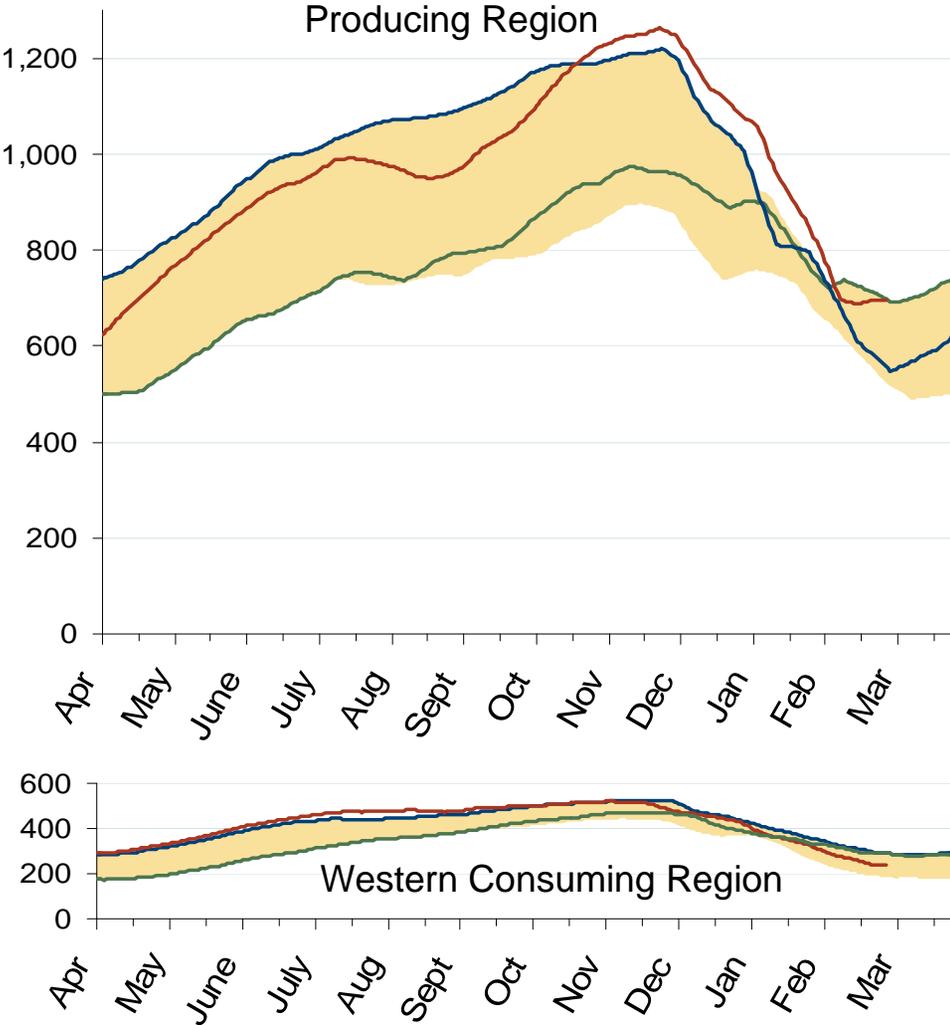
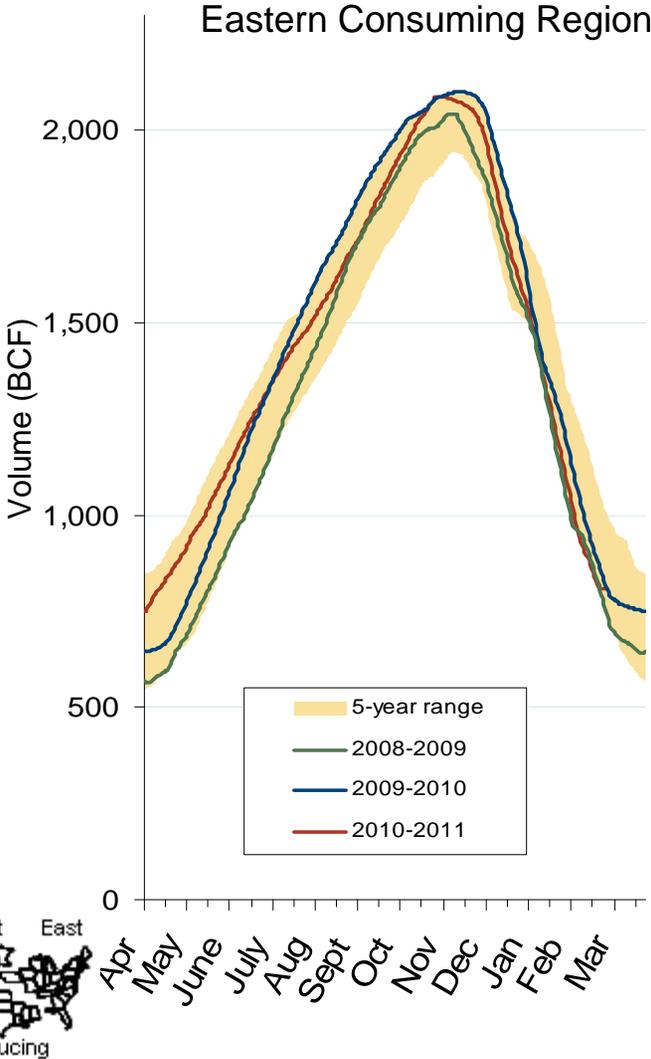
Total U.S. Working Gas in Storage



Source: Derived from EIA data.
March 2011 Midwest Snapshot Report

Updated: March 08, 2011

Regional Totals of Working Gas in Storage

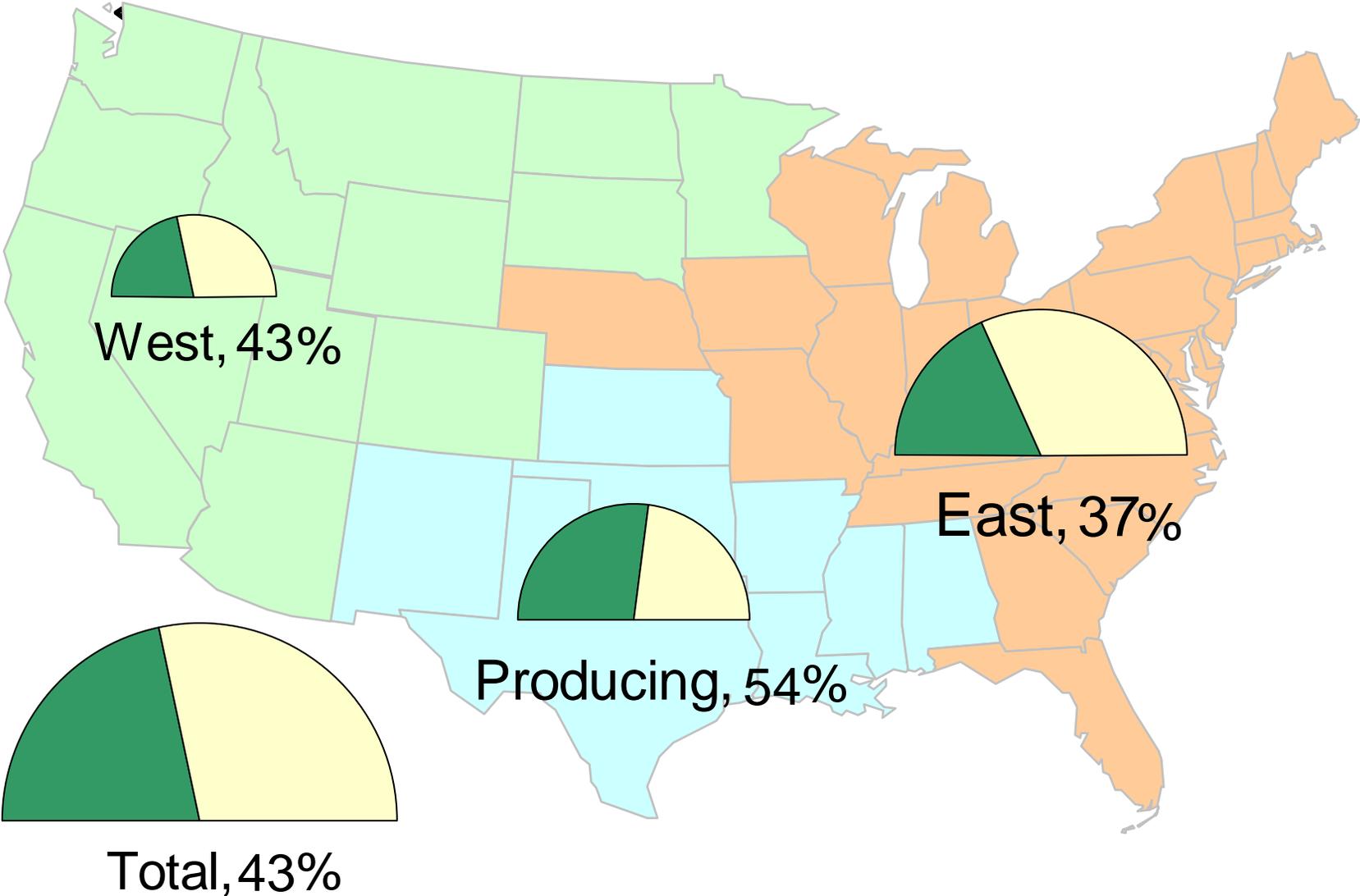


Source: Derived from EIA data.

March 2011 Midwest Snapshot Report

Updated: March 08, 2011

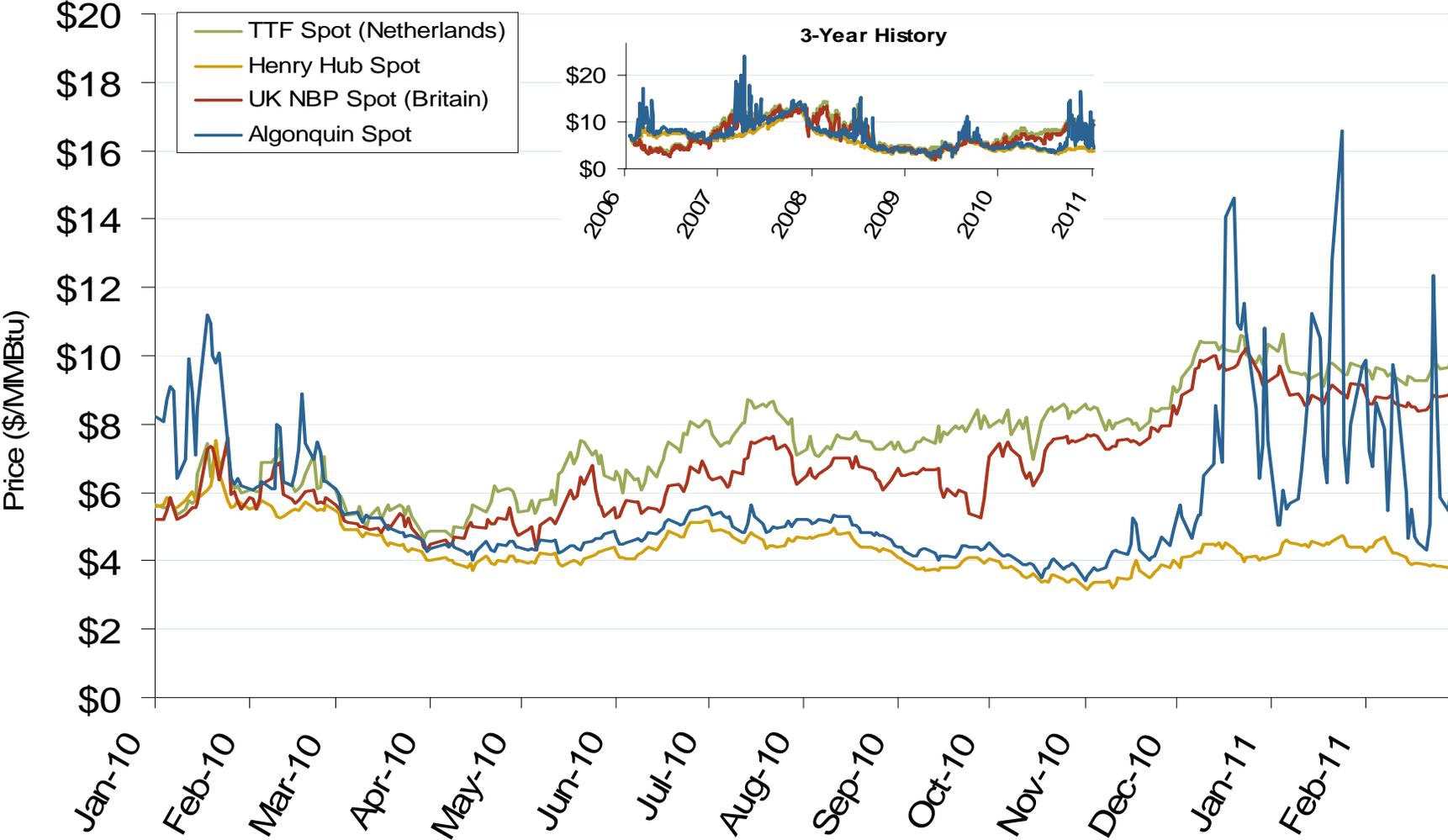
Natural Gas Storage Inventories – February 25, 2011



Source: Derived from *EIA Storage and Estimated Working Gas Capacity* data.
March 2011 Midwest Snapshot Report

Updated: March 08, 2011

Atlantic Basin European and US Spot Natural Gas Prices



Source: Derived from Bloomberg and ICE data.

Updated: March 08, 2011

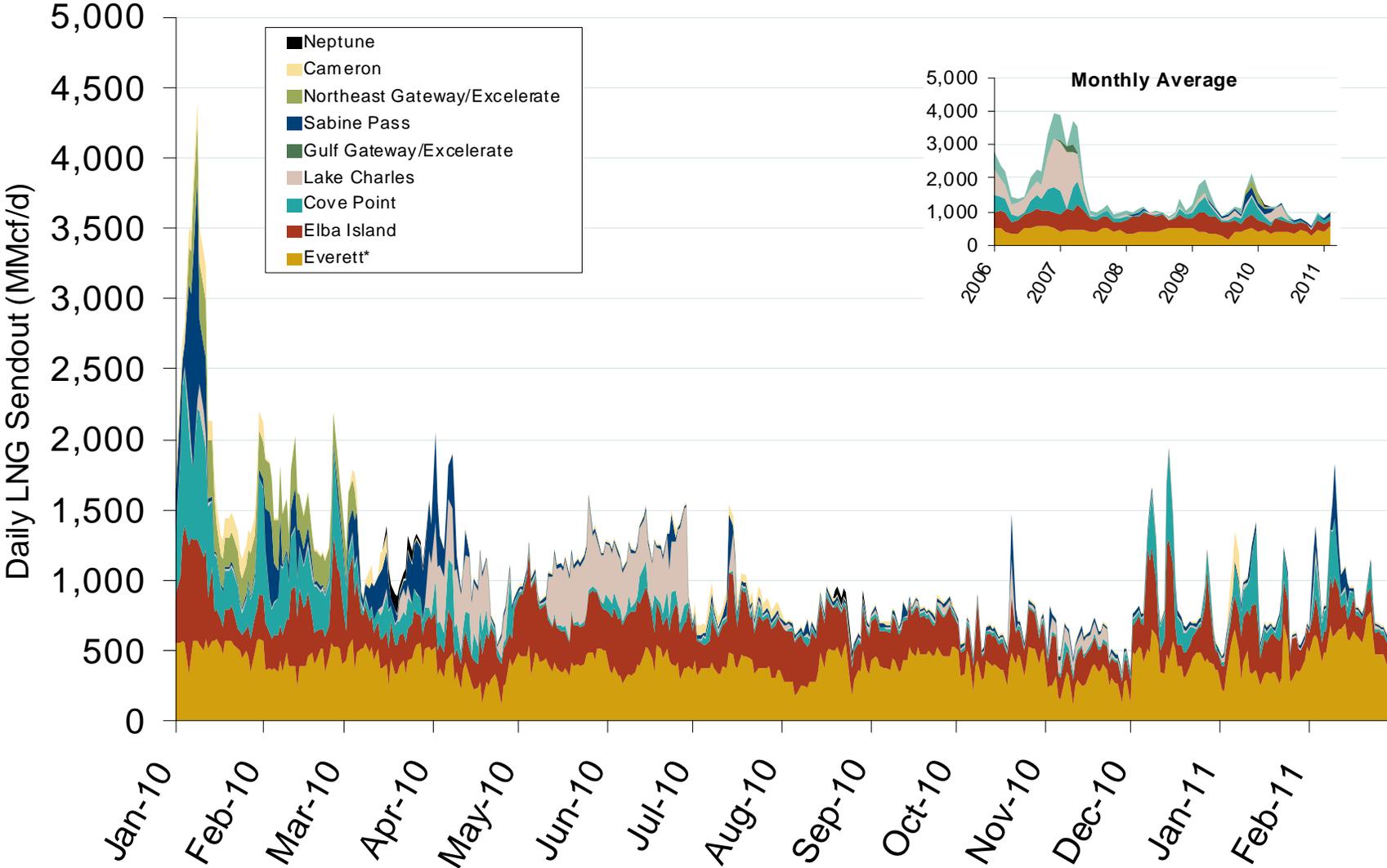
World LNG Estimated April 2011 Landed Prices



Source: *Waterborne Energy, Inc.* Data in \$US/MMBtu.
March 2011 Midwest Snapshot Report

Updated: March 08, 2011

Daily Gas Sendout from Existing U.S. LNG Facilities

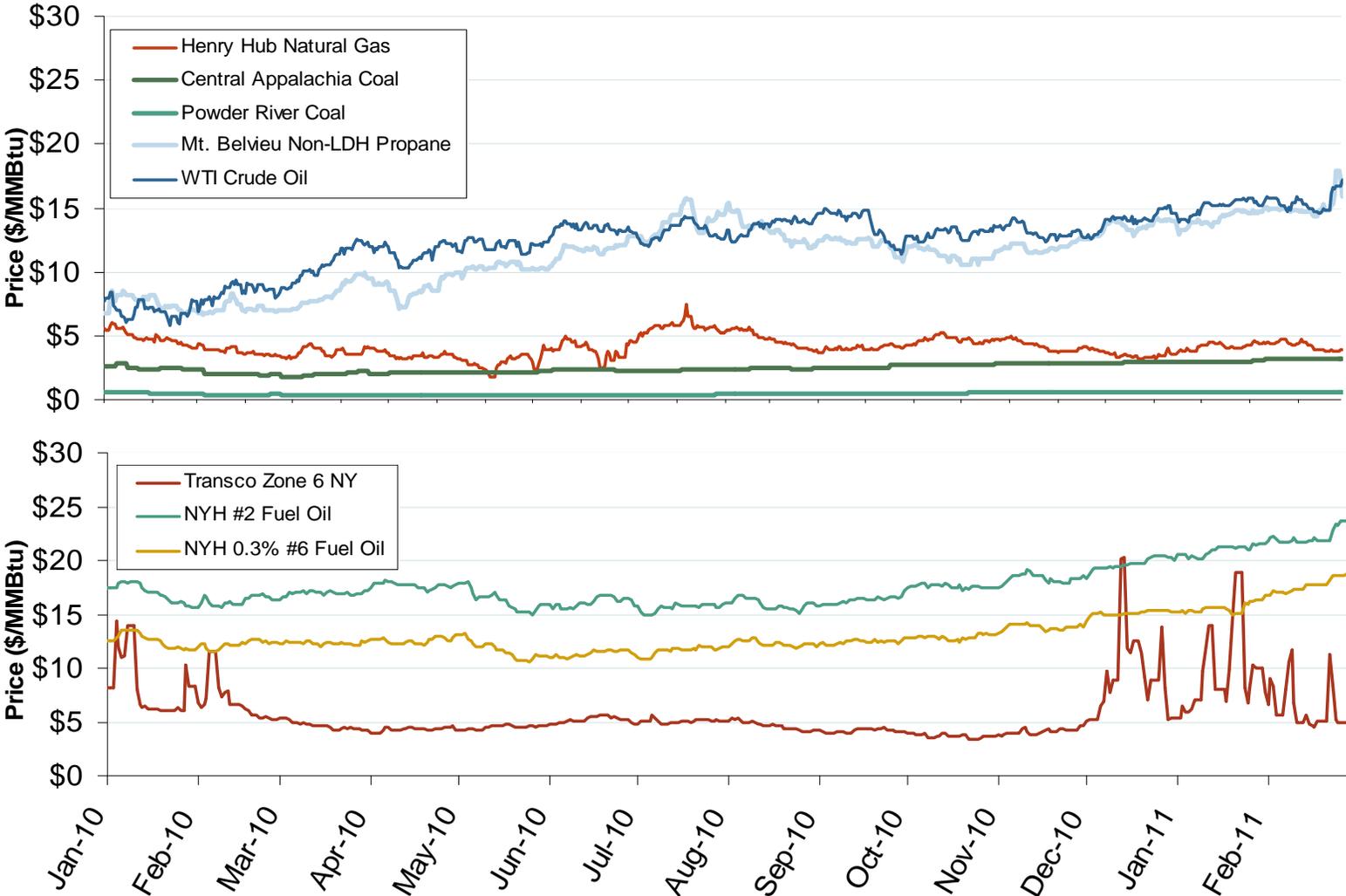


Source: Derived from Bentek data.

* 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: March 08, 2011

Oil, Coal, Natural Gas and Propane Daily Spot Prices

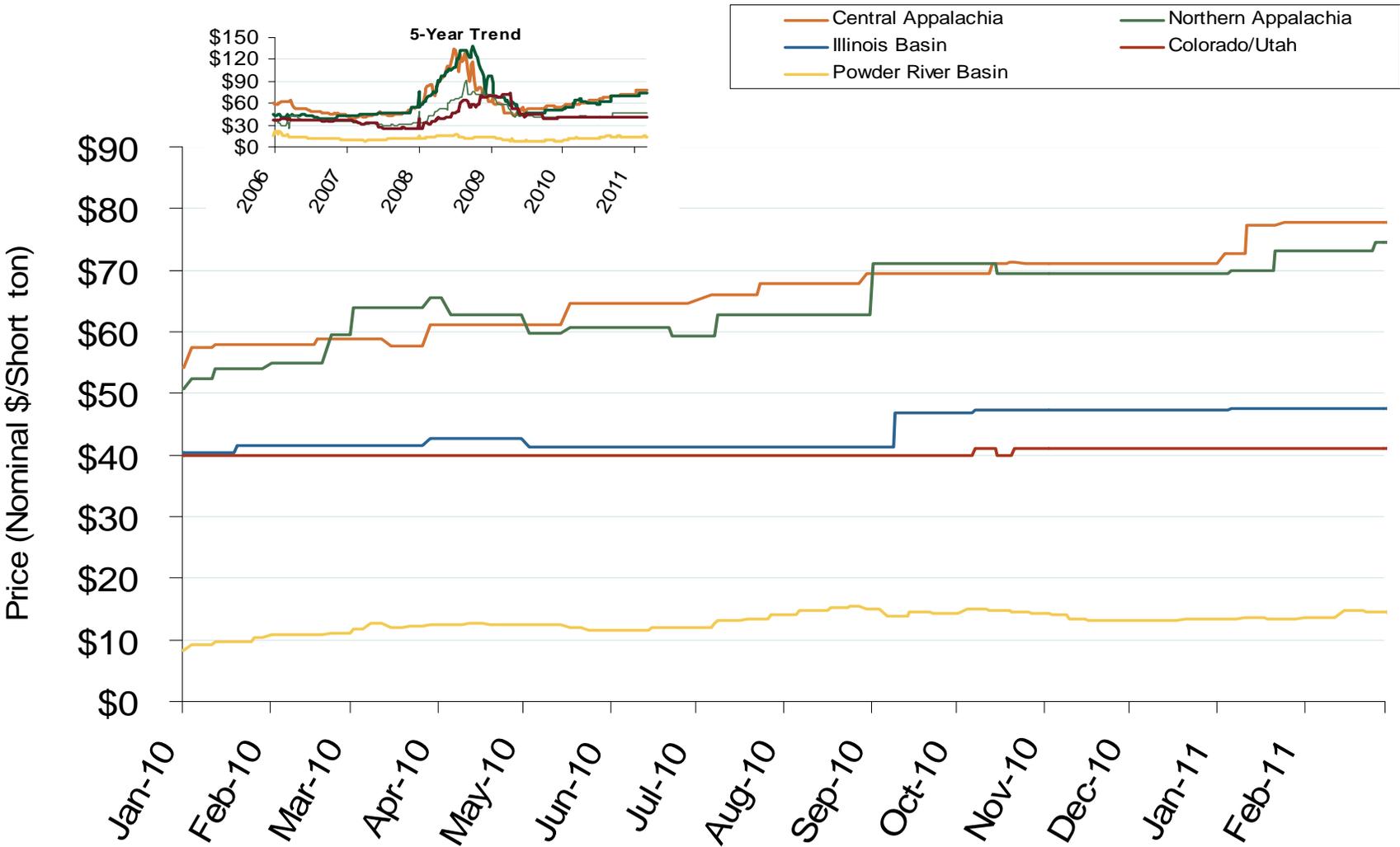


Source: Derived from ICE and Bloomberg data.

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: March 08, 2011

Regional Coal Spot Prices

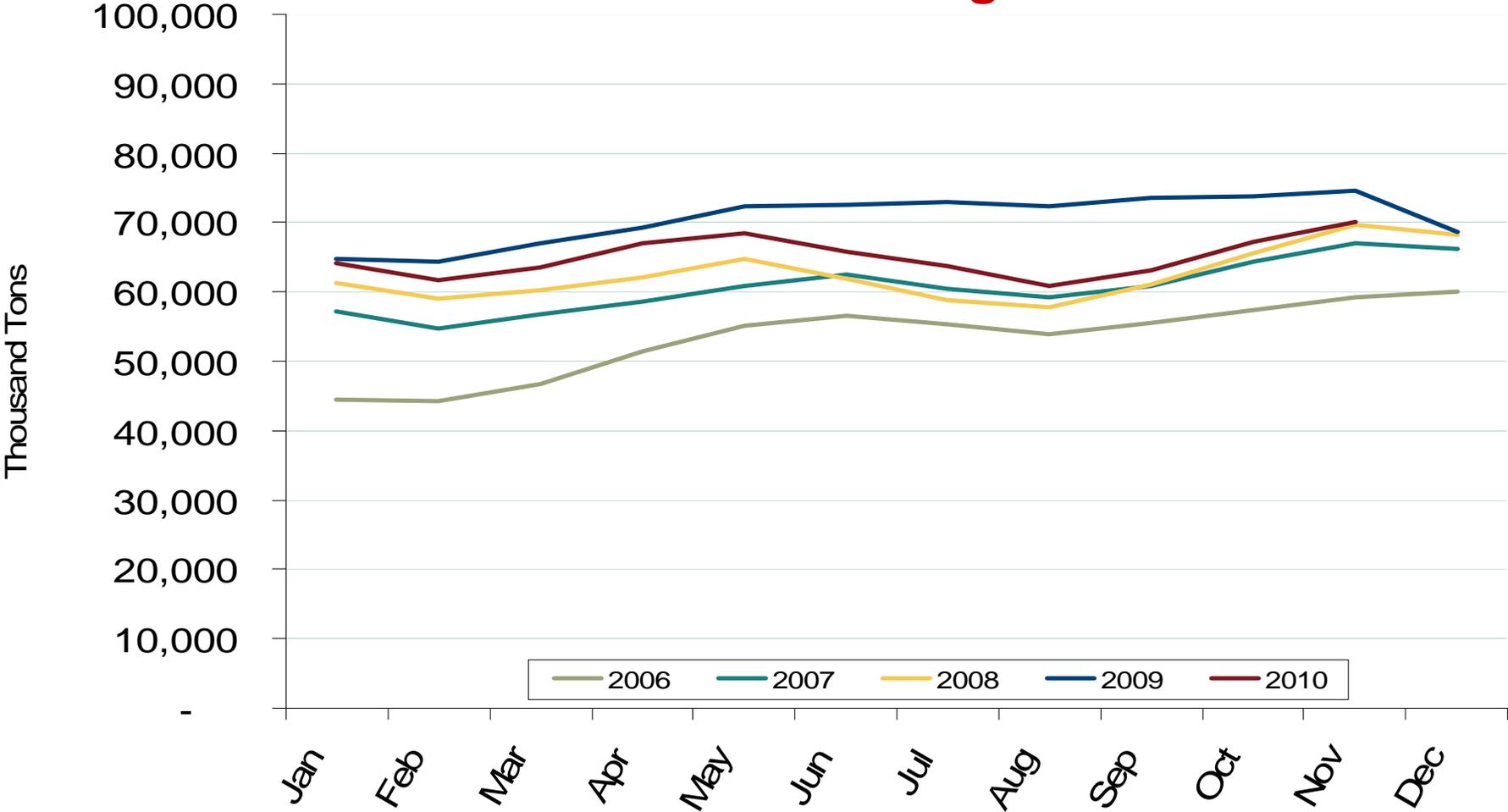


Note: the Central Appalachian (CAPP) coal is priced at Big Sandy. All others are mine mouth prices. Prices do not include transportation costs to a plant, as those can vary widely by contract specifications. Prices exclude incremental cost of emissions allowances.

Source: Derived from *Bloomberg* data.

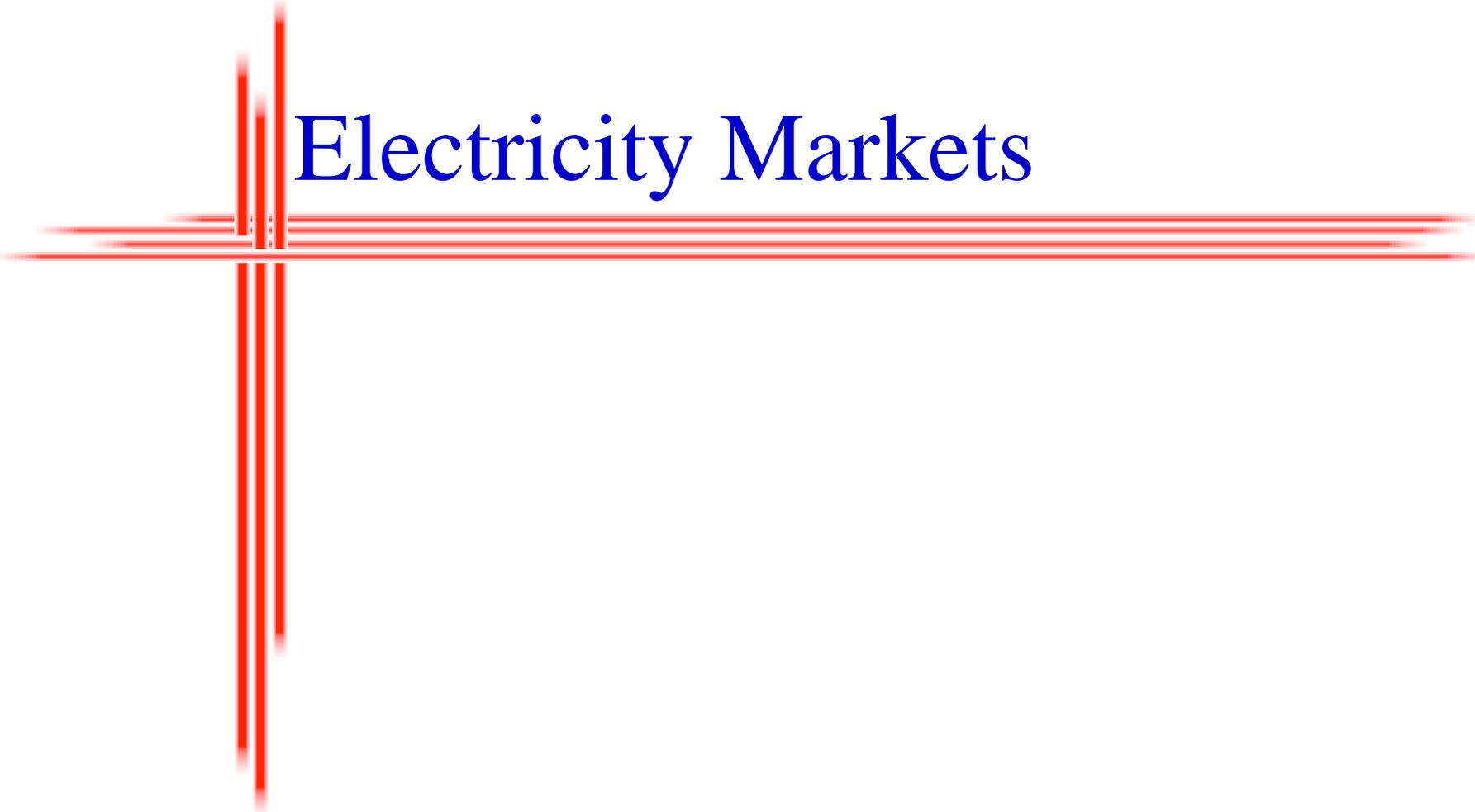
Updated: March 08, 2011

Midwest Coal Stockpiles at Electric Power Generating Facilities



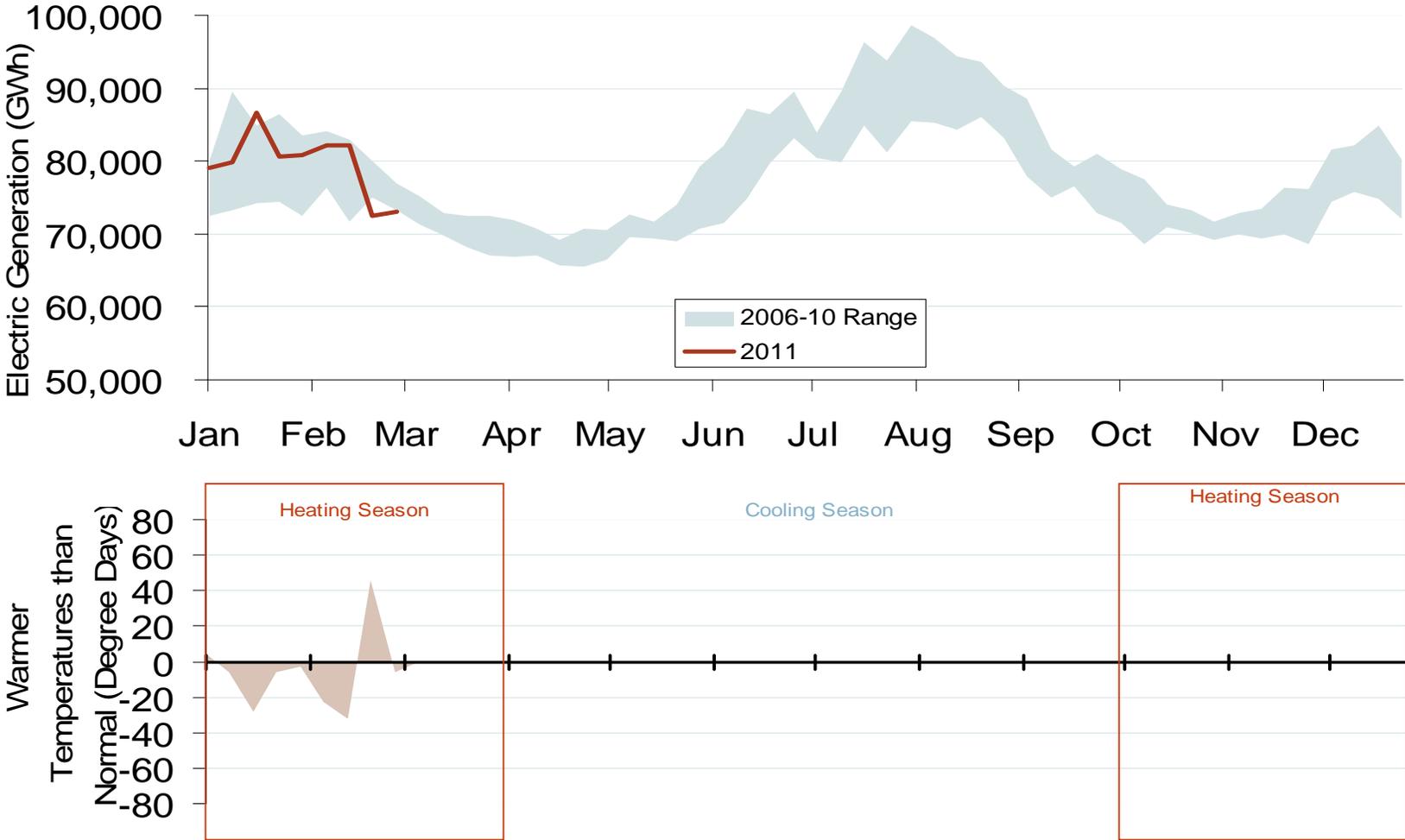
Source: Derived from Energy Information Administration data. Excludes Industrial and Commercial Plants.
March 2011 Midwest Snapshot Report

Updated: March 08, 2011



Electricity Markets

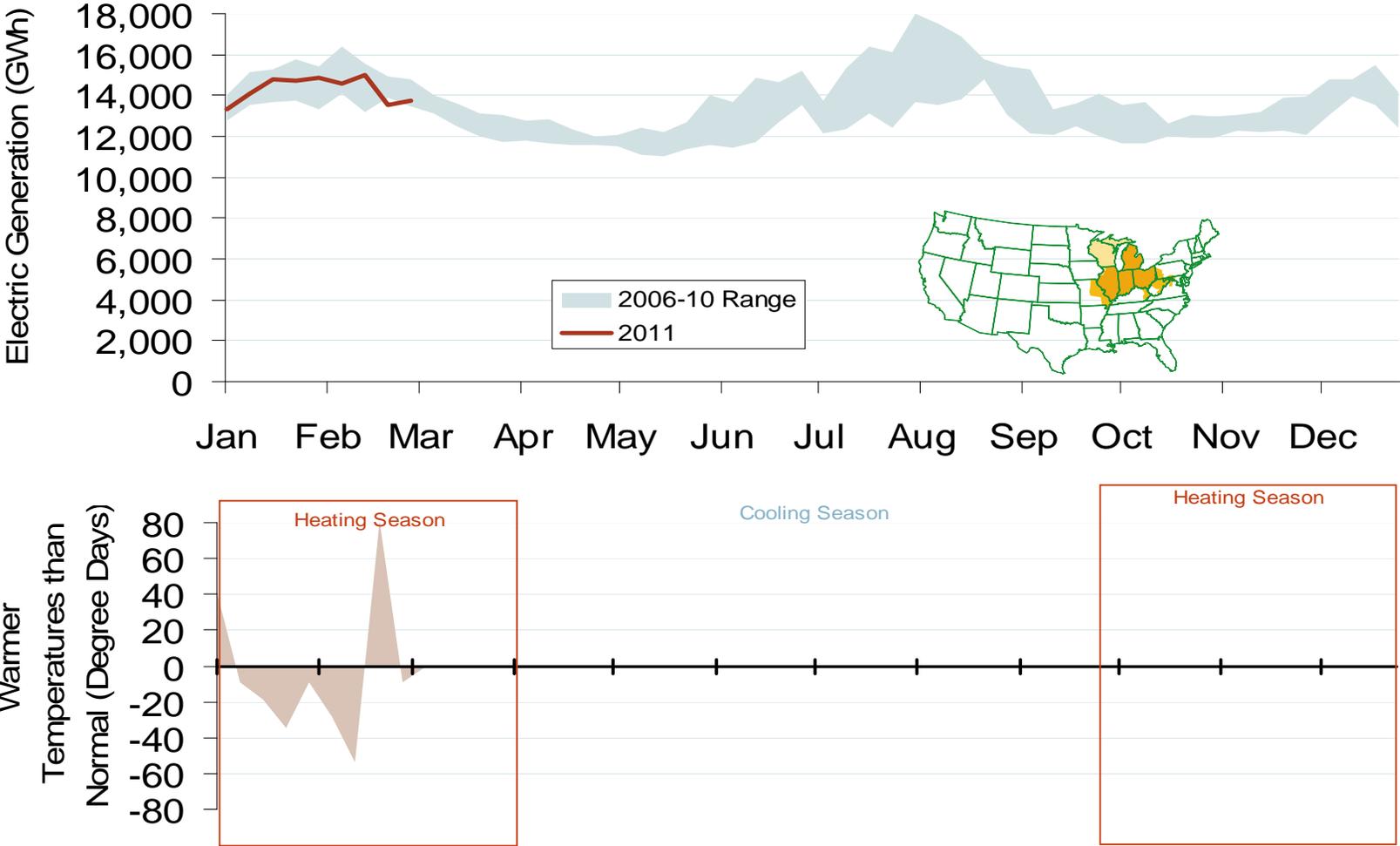
Weekly U.S. Electric Generation Output and Temperatures



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

Updated: March 08, 2011

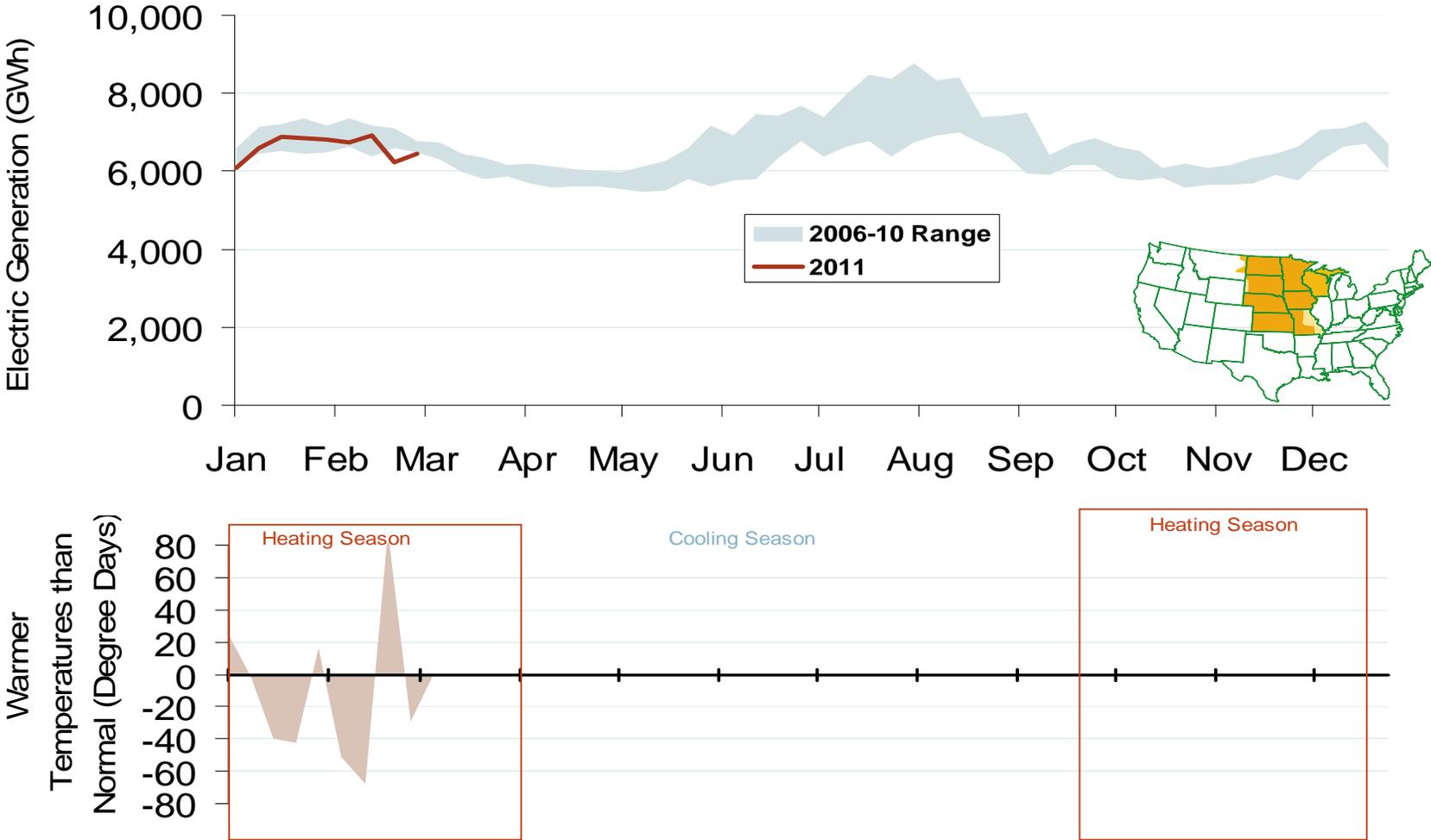
Weekly Electric Generation Output and Temperatures Central Industrial Region



Source: Derived from EEI and NOAA data.

Updated: March 08, 2011

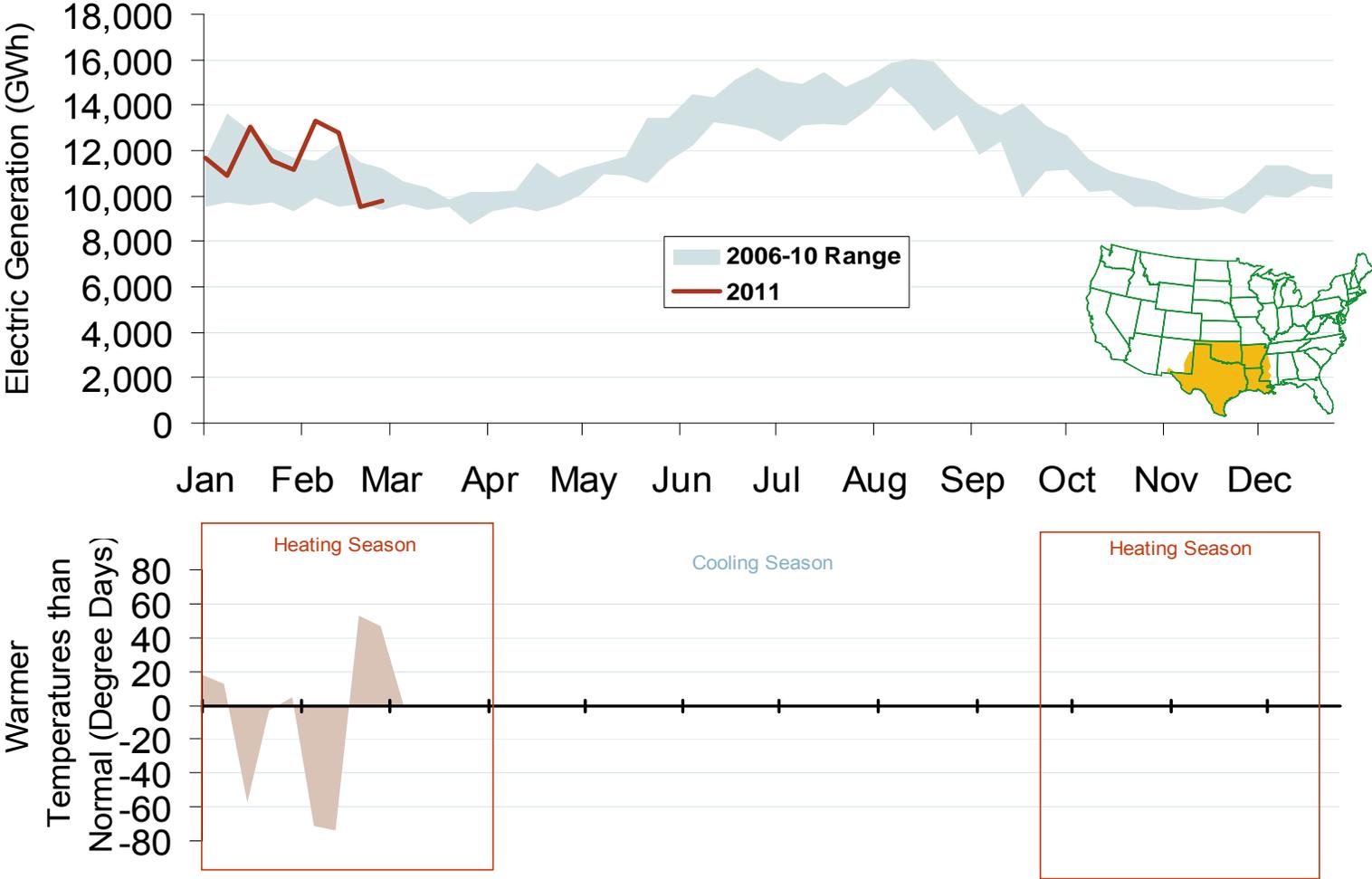
Weekly Electric Generation Output and Temperatures West Central Region



Source: Derived from EEI and NOAA data.

Updated: March 08, 2011

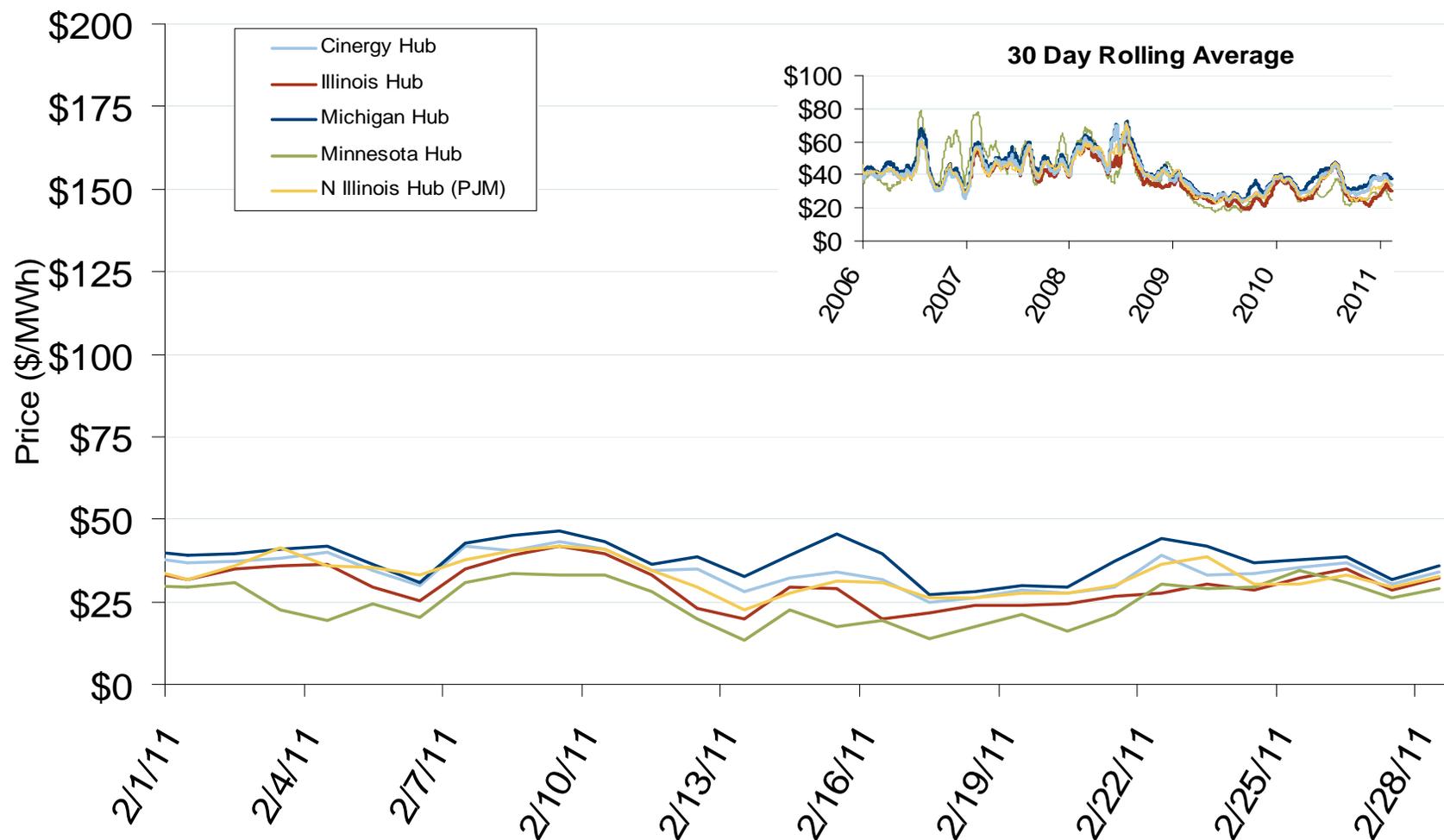
Weekly Electric Generation Output and Temperatures South Central Region



Source: Derived from EEI and NOAA data.

Updated: March 17, 2011

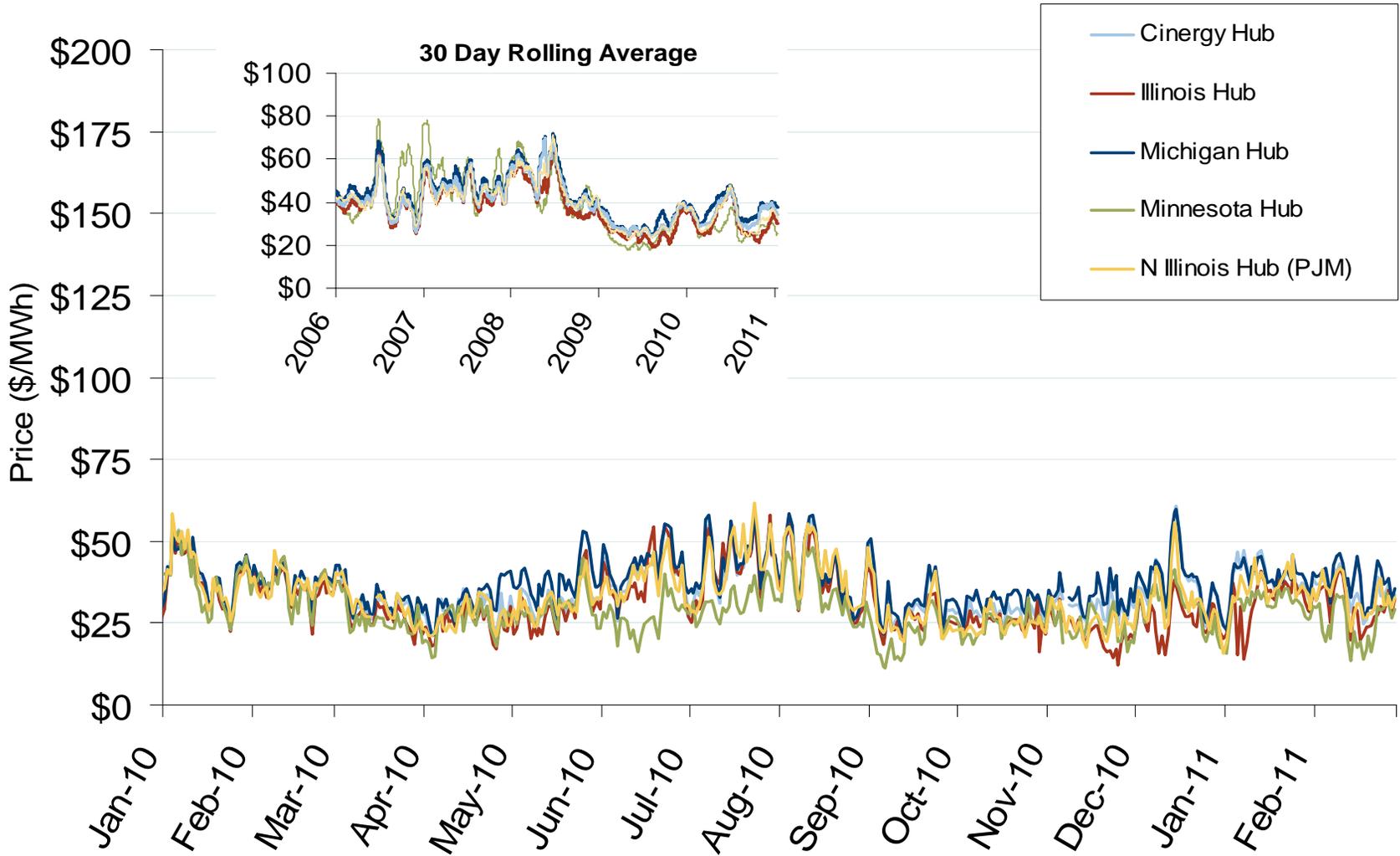
Daily Average of MISO Day-Ahead Prices - All Hours



Source: Derived from *Bloomberg* data.

Updated: February 7, 2011

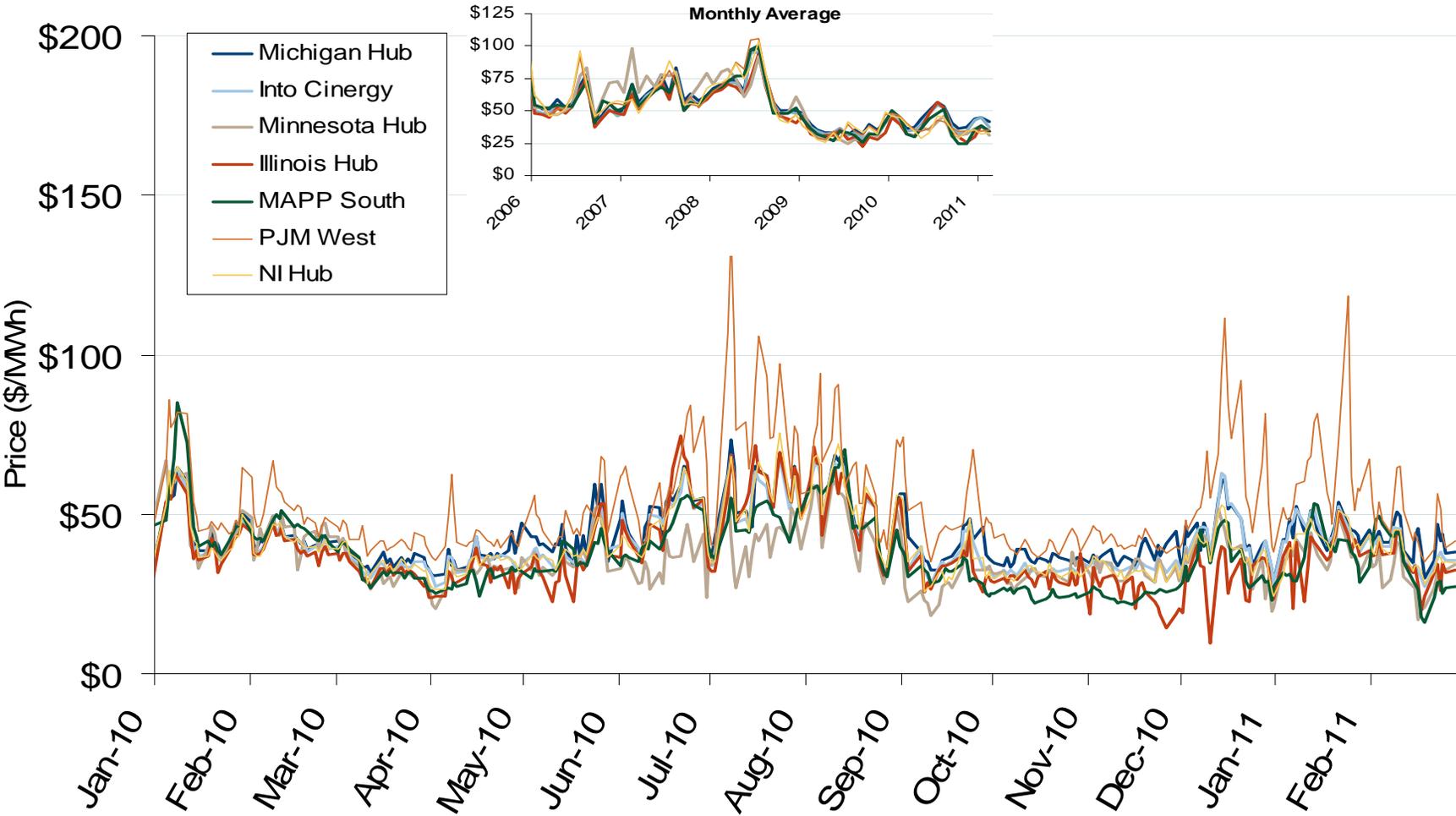
Daily Average of MISO Day-Ahead Prices - All Hours



Source: Derived from *Bloomberg* data.

Updated: March 08, 2011

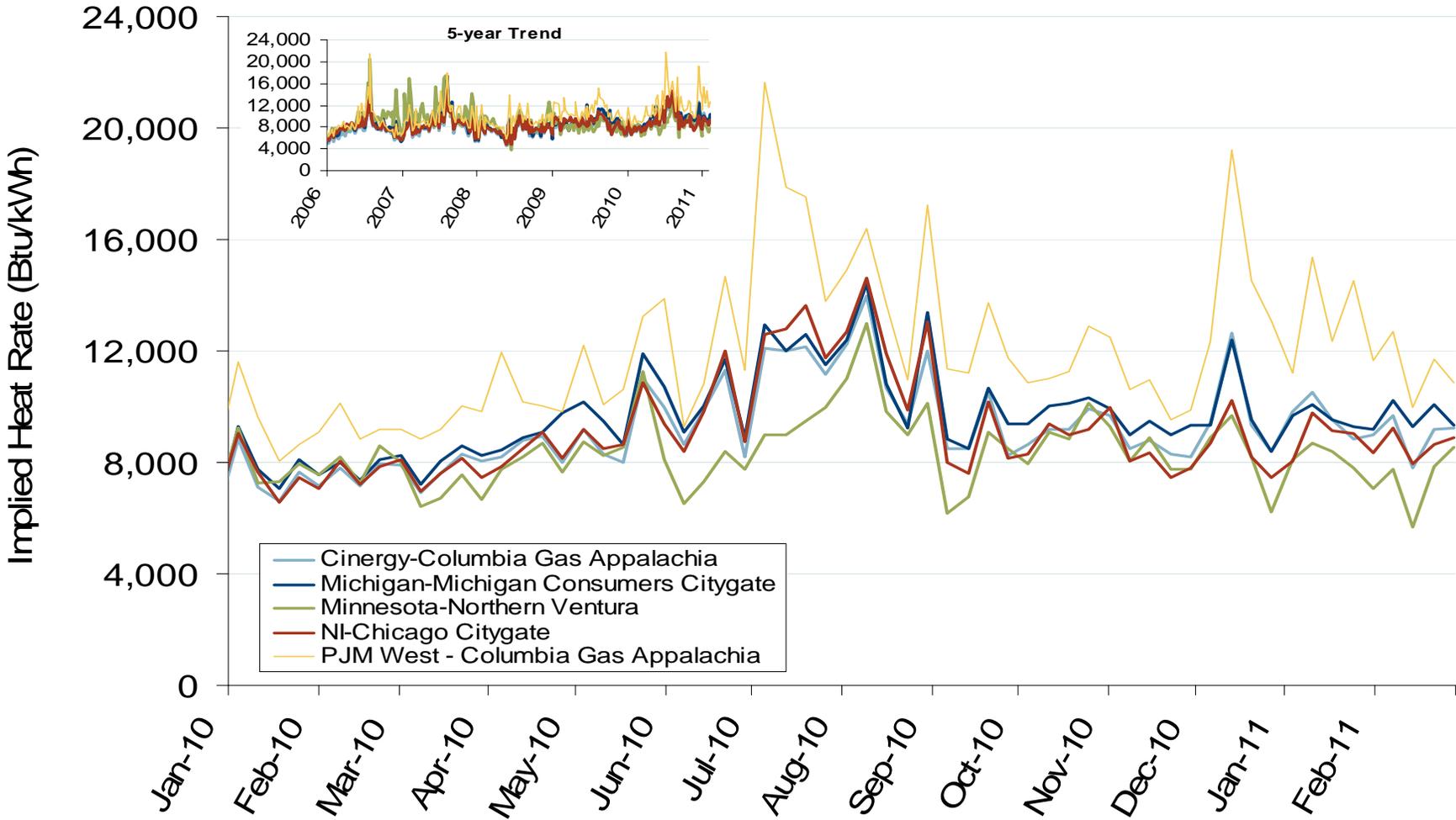
MISO/PJM Bilateral Day-Ahead On-Peak Prices



Source: Derived from *Platts* data.

Updated: March 08, 2011

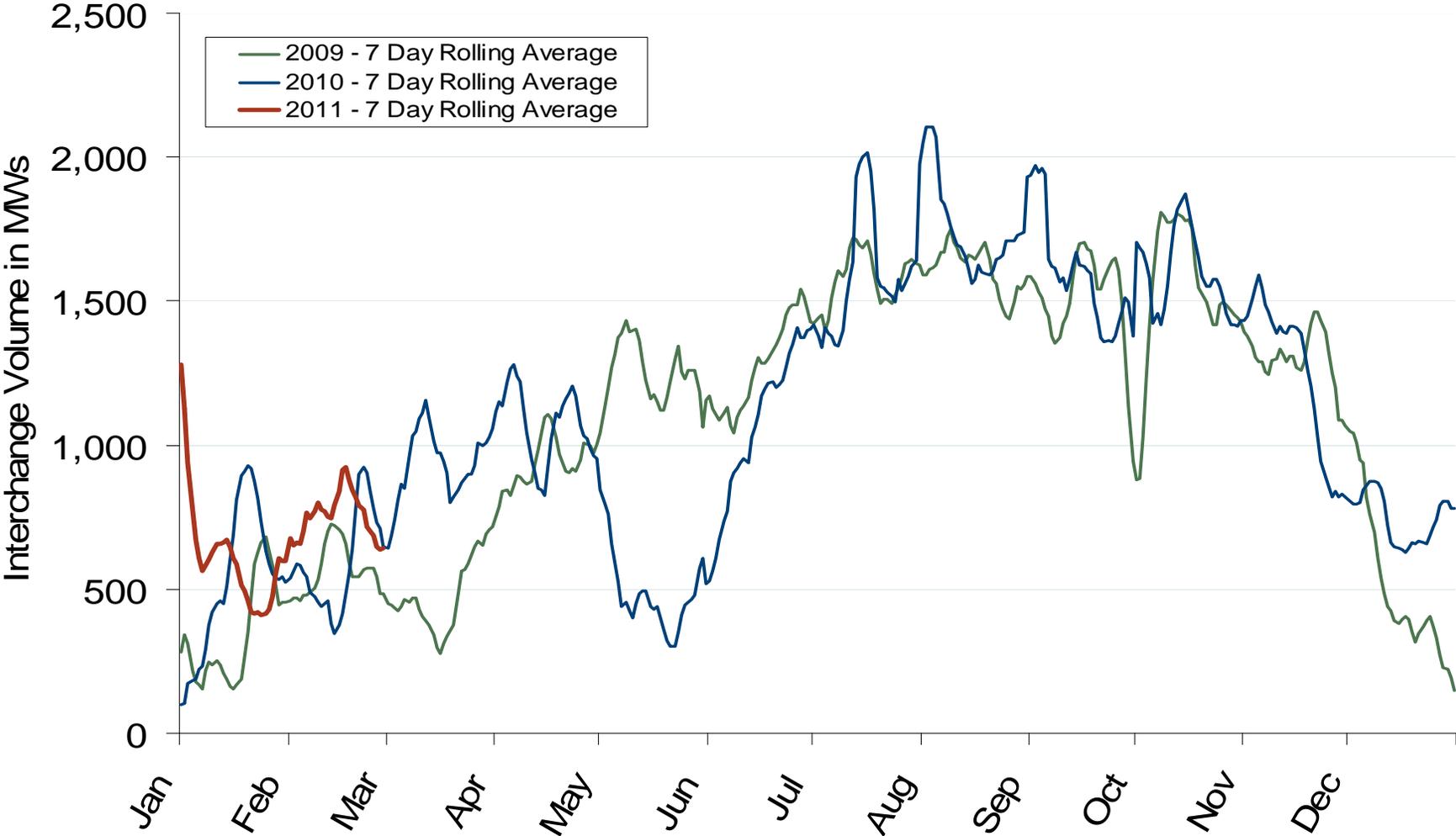
Midwest Electric Market: MISO/PJM Implied Heat Rates



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

Updated: March 08, 2011

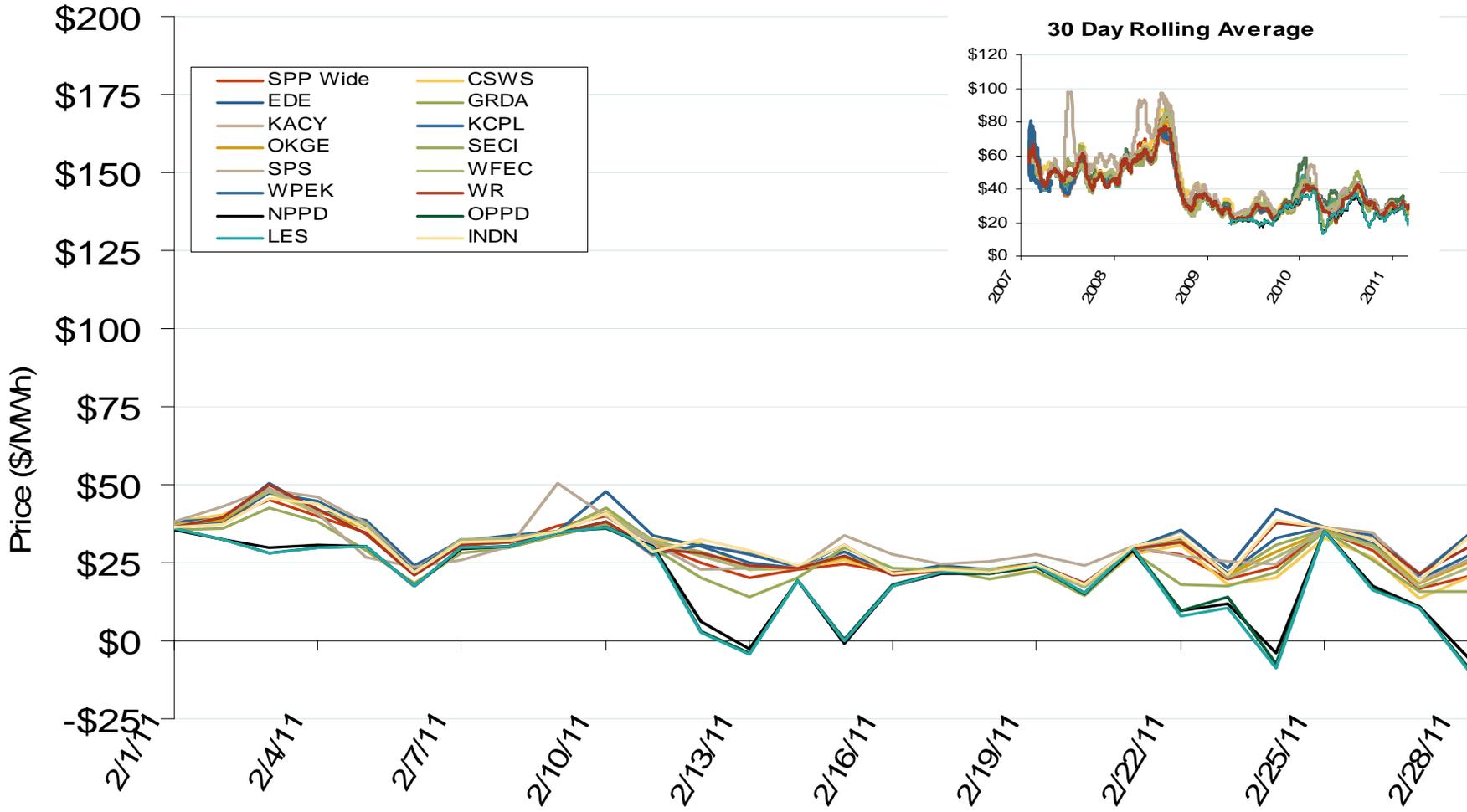
Imports into MISO from Manitoba Hydro 2009 - 2011



Source: Derived from MISO data.

Updated: March 08, 2011

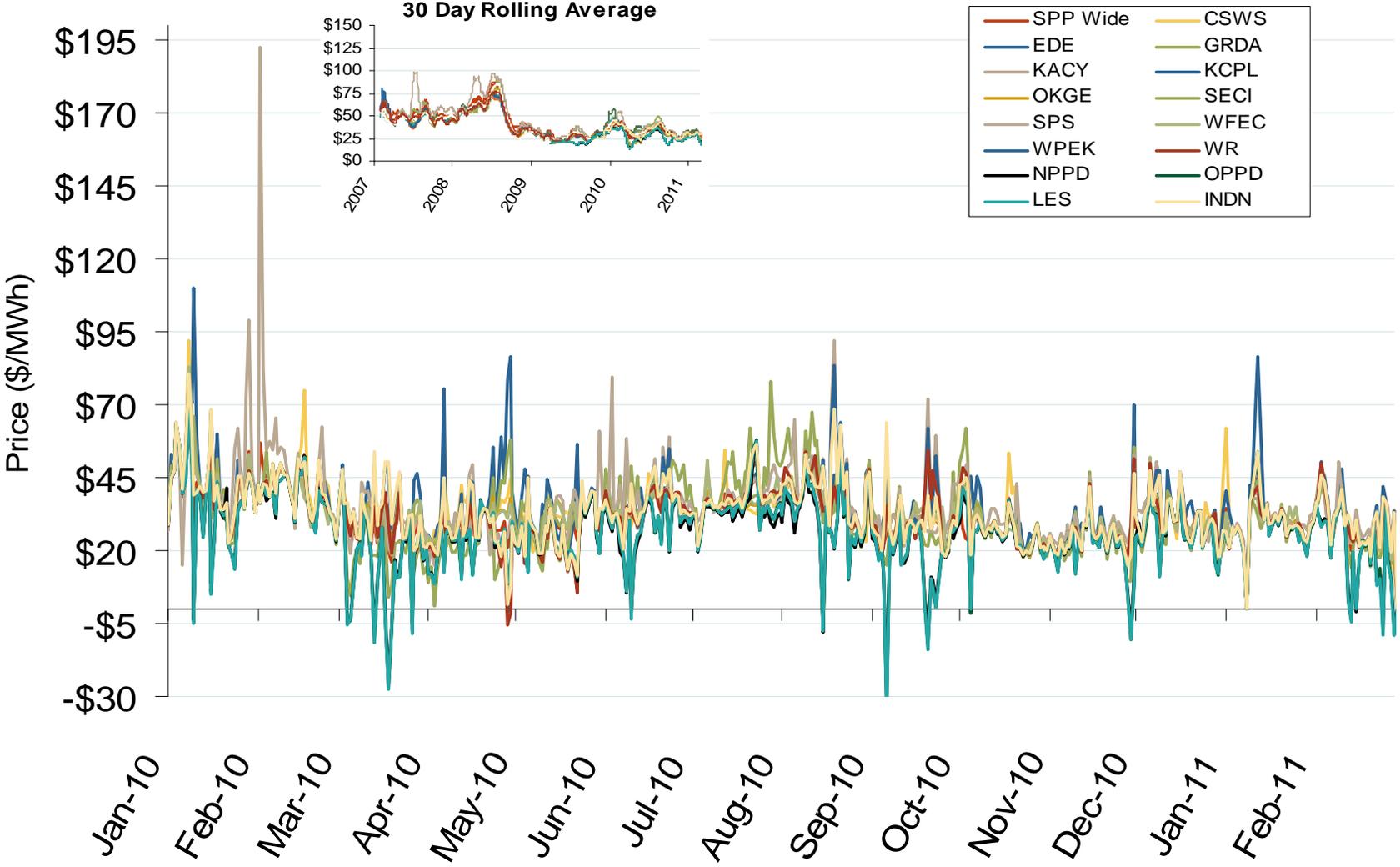
Daily Average of SPP Real Time Prices - All Hours



Source: Derived from SPP data.
March 2011 Midwest Snapshot Report

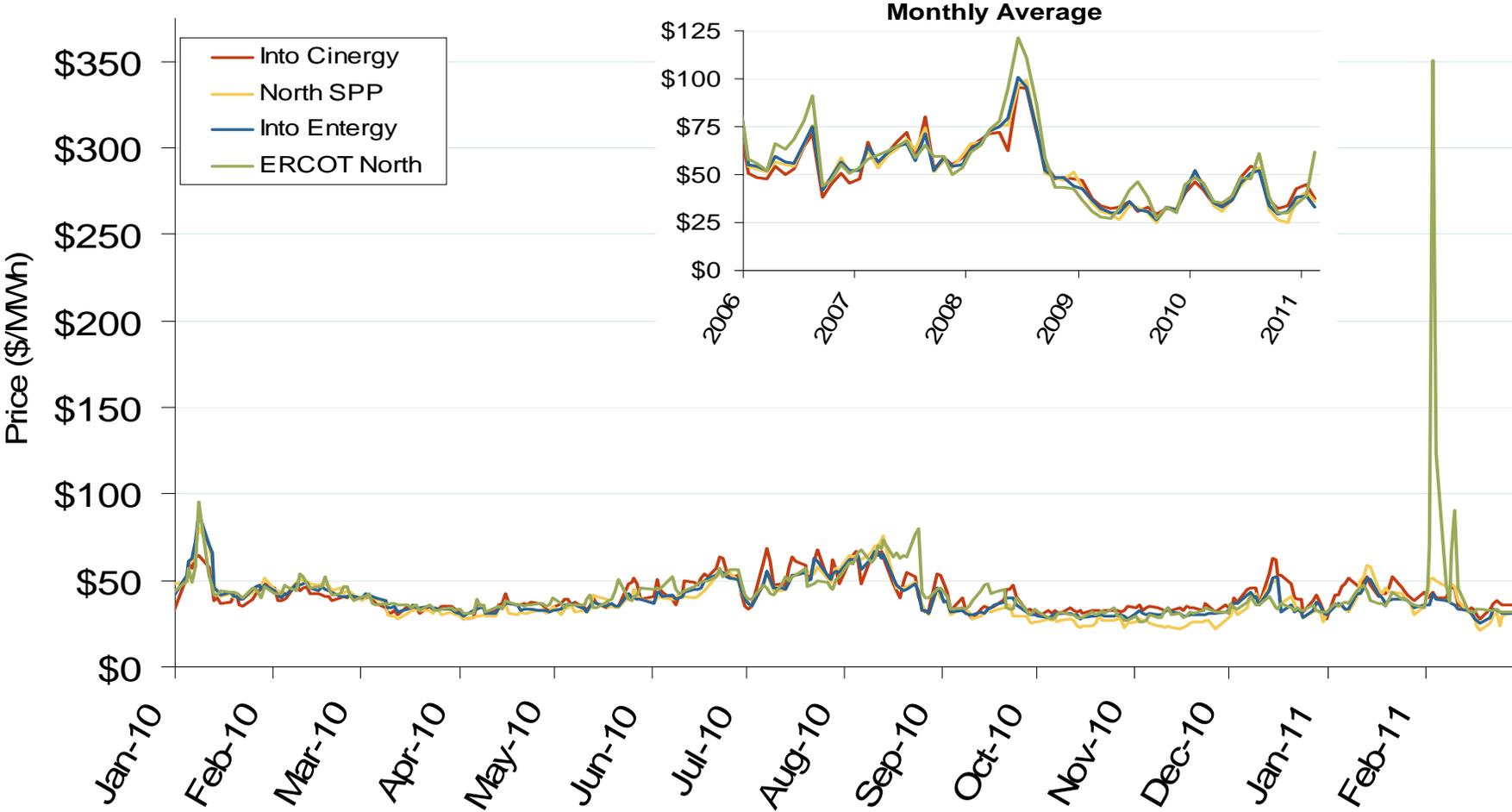
Updated: March 08, 2011

Daily Average of SPP Real Time Prices - All Hours



Source: Derived from SPP data.

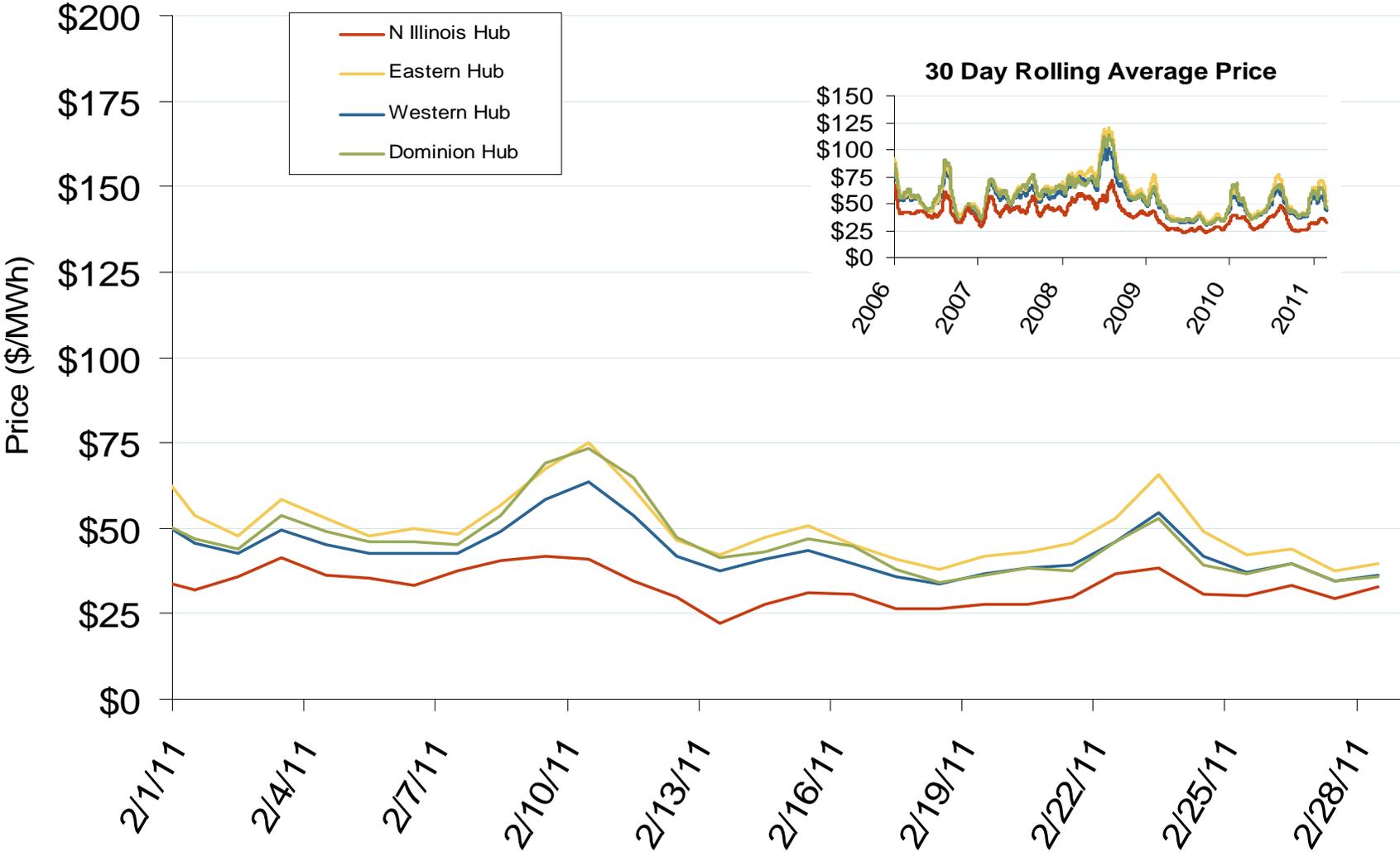
Central Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from *Platts* data.

Updated: March 08, 2011

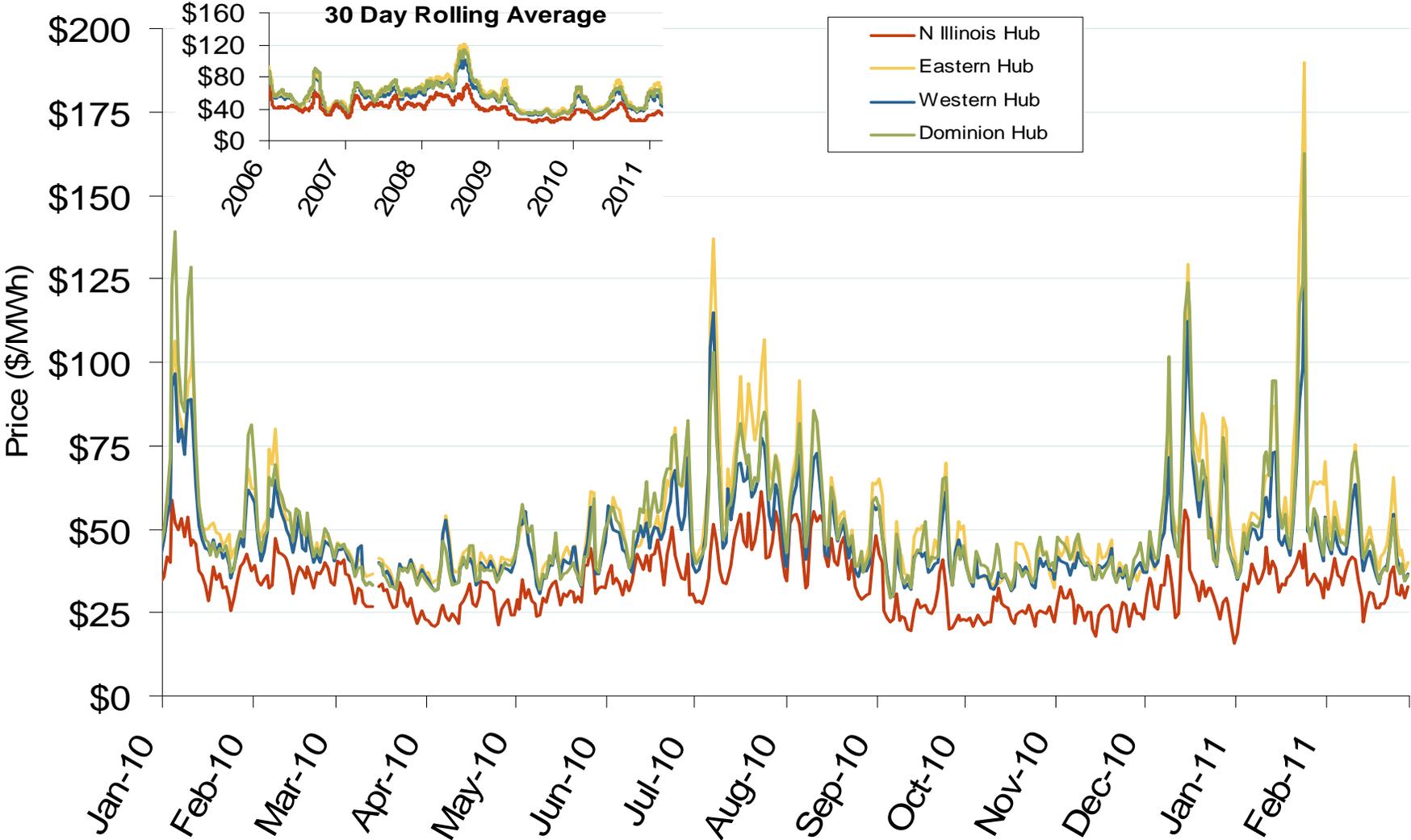
Daily Average of PJM Day-Ahead Prices - All Hours



Source: Derived from *Bloomberg* PJM data.

Updated: March 08, 2011

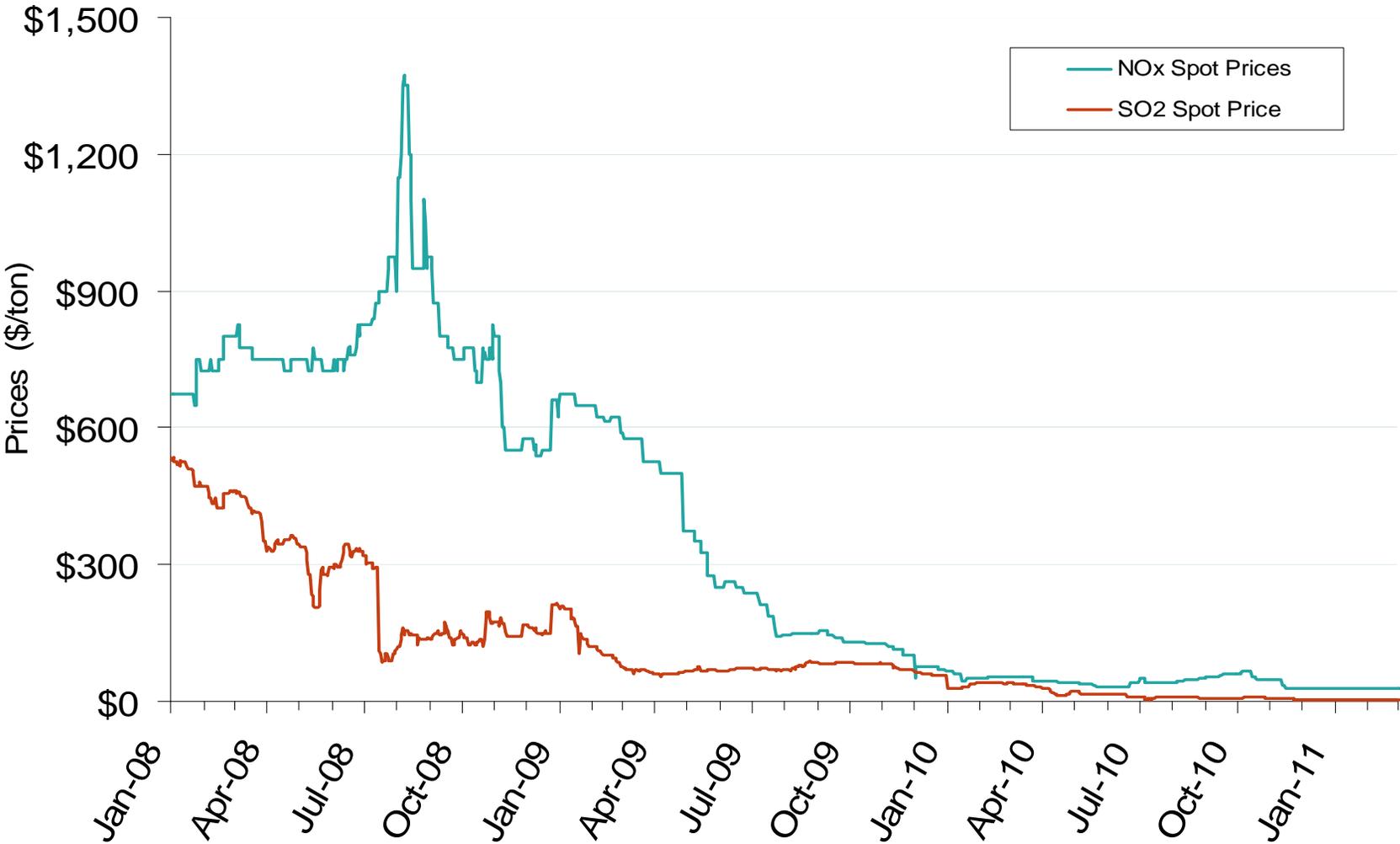
Daily Average of PJM Day-Ahead Prices - All Hours



Source: Derived from *Bloomberg* data.

Updated: March 08, 2011

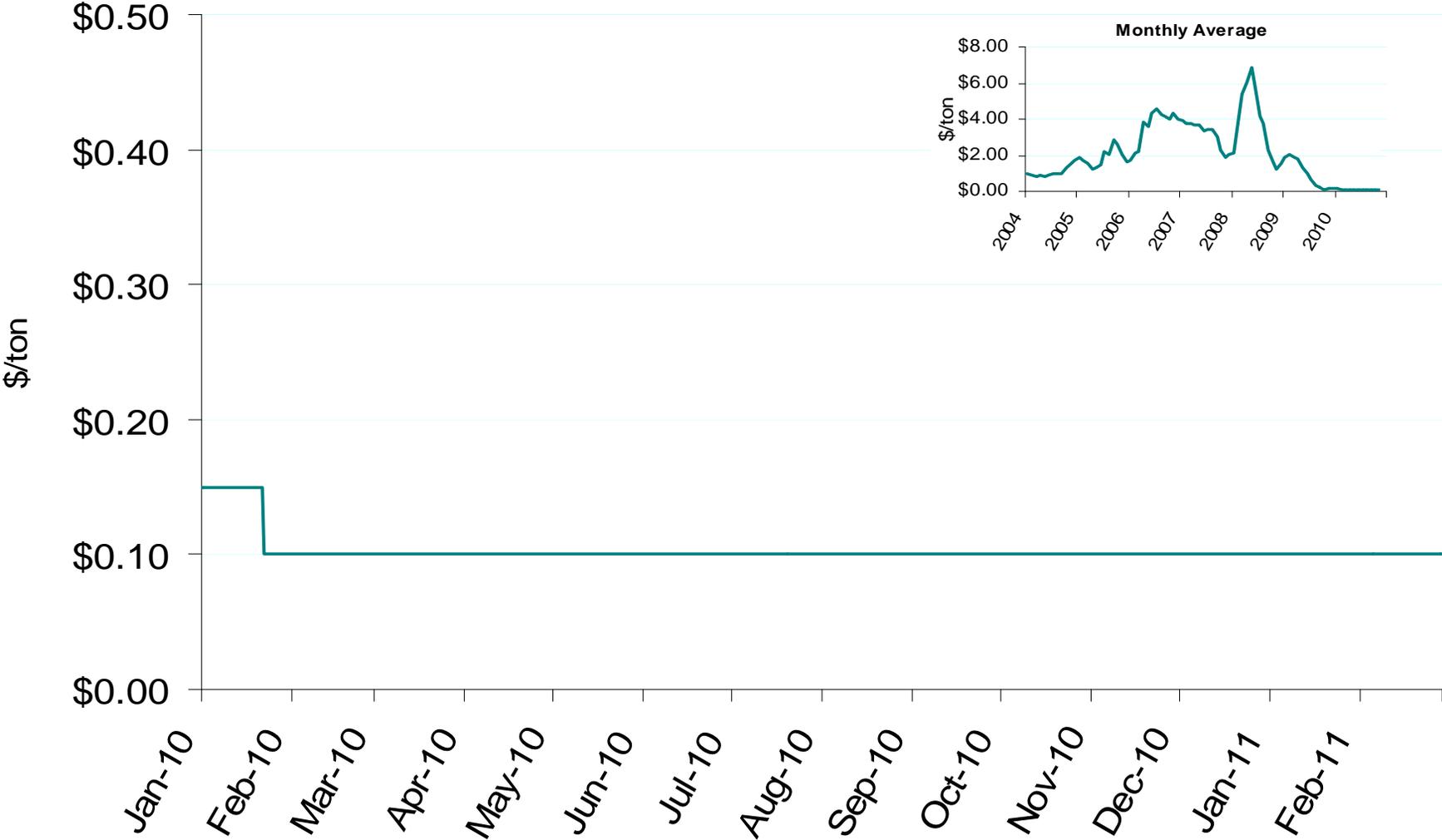
SO2 Allowance Spot Prices and NOx Seasonal Allowance Spot Prices



Source: Derived from *Bloomberg data*.

Updated: March 07, 2011

Chicago Climate Exchange CO2 Index



Source: Derived from *Bloomberg data*.
March 2011 Midwest Snapshot Report

Updated: March 07, 2011