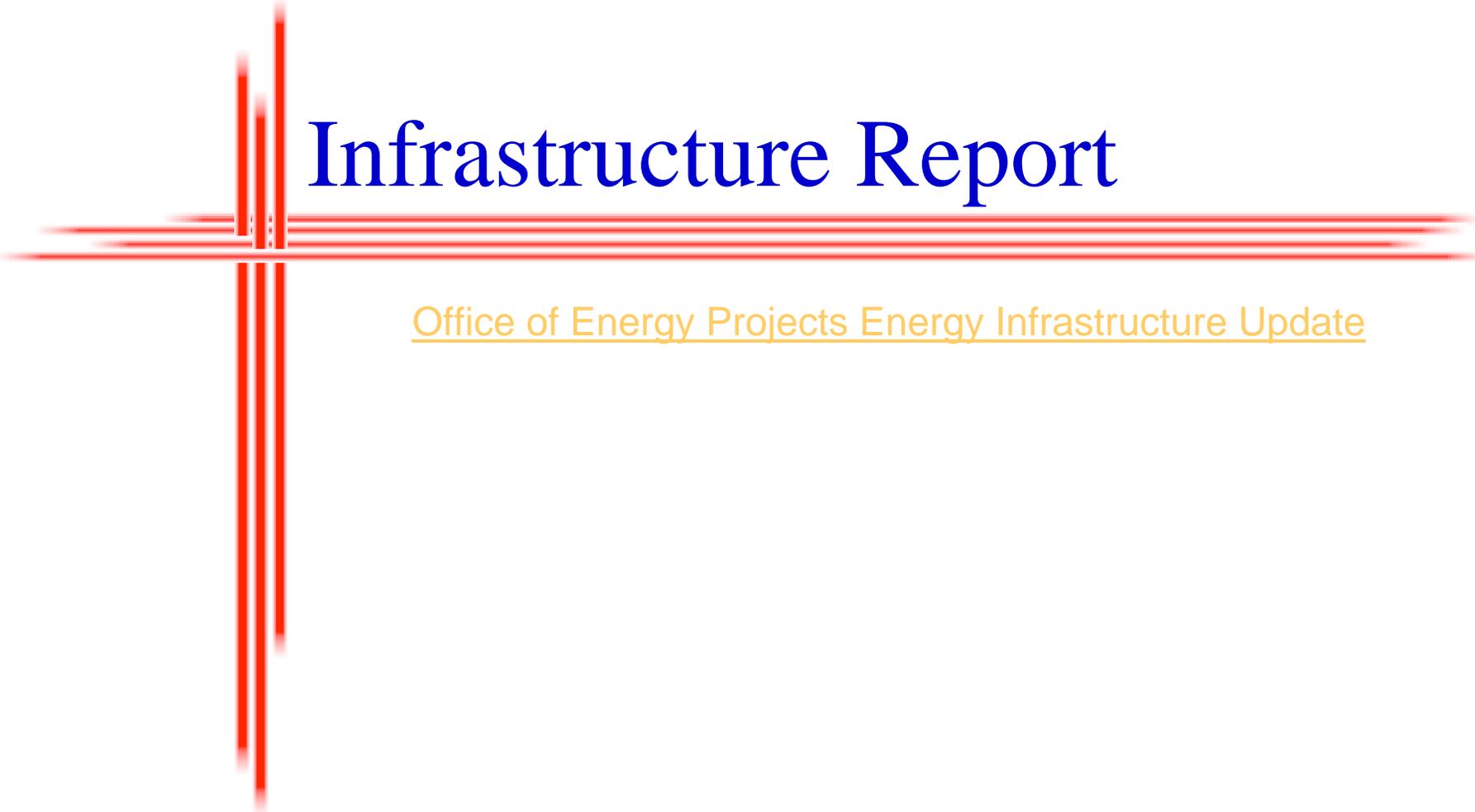


OE ENERGY MARKET SNAPSHOT

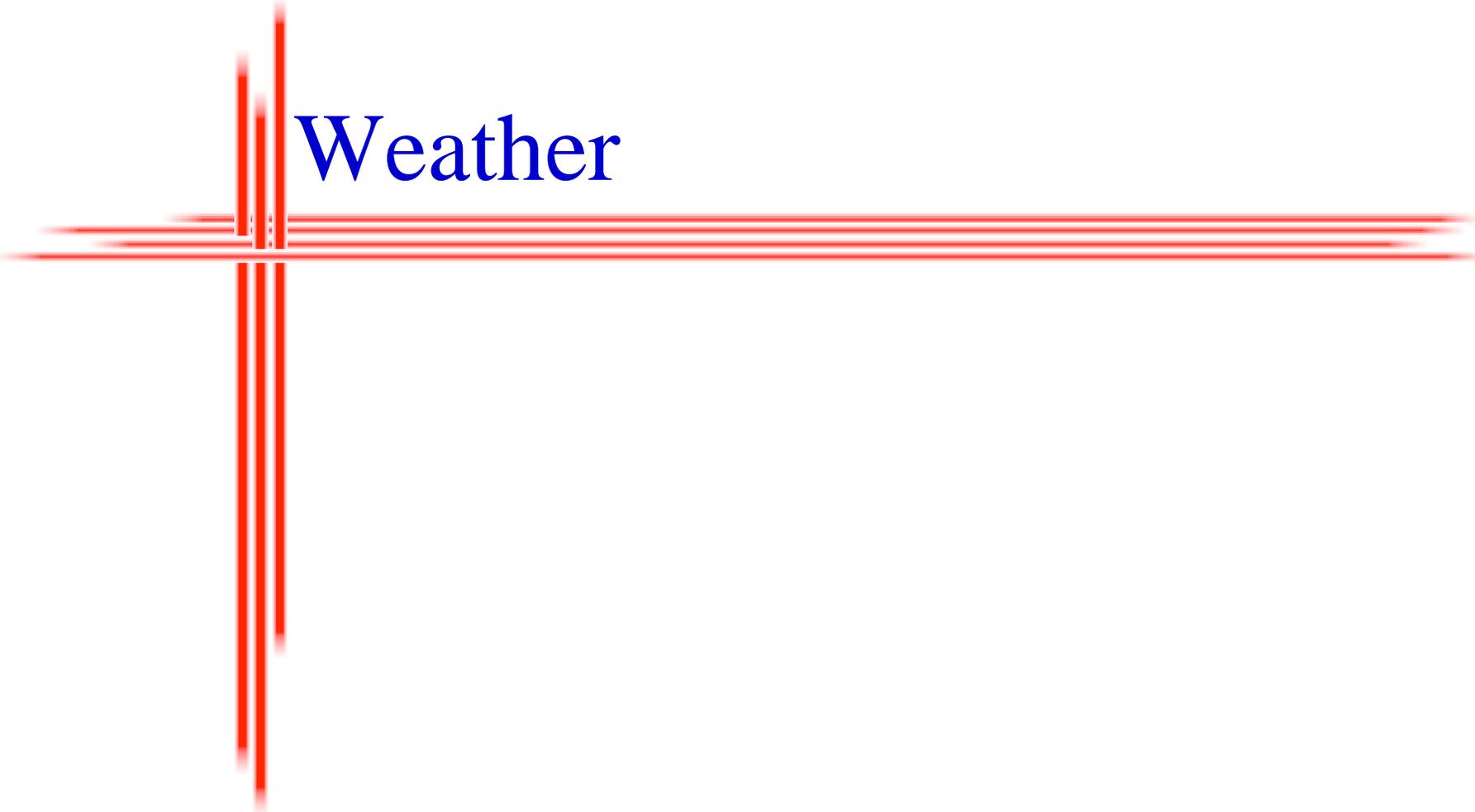
Midwest States Version – November 2012 Data

Office of Enforcement
Federal Energy Regulatory Commission
December 2012



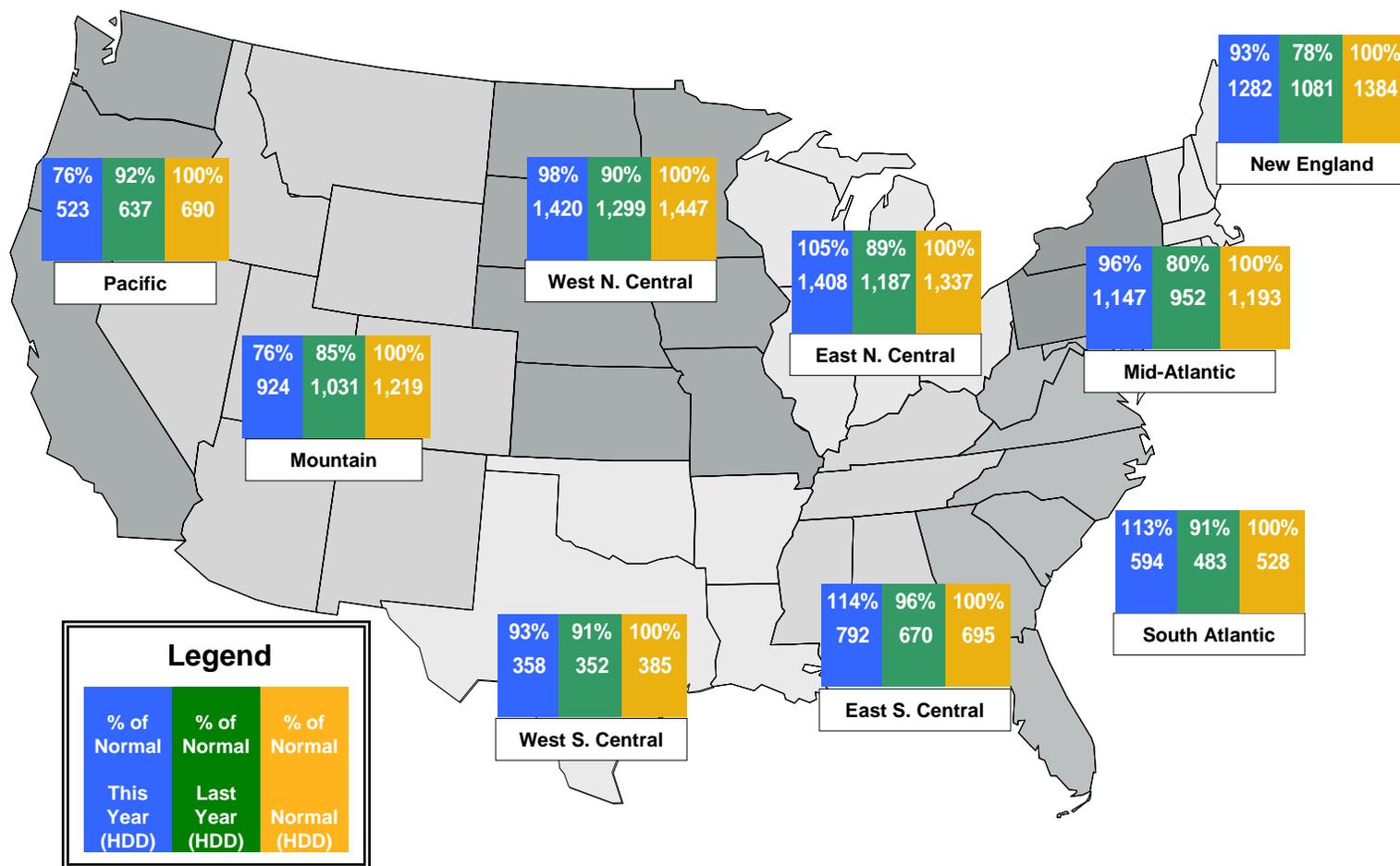
Infrastructure Report

Office of Energy Projects Energy Infrastructure Update



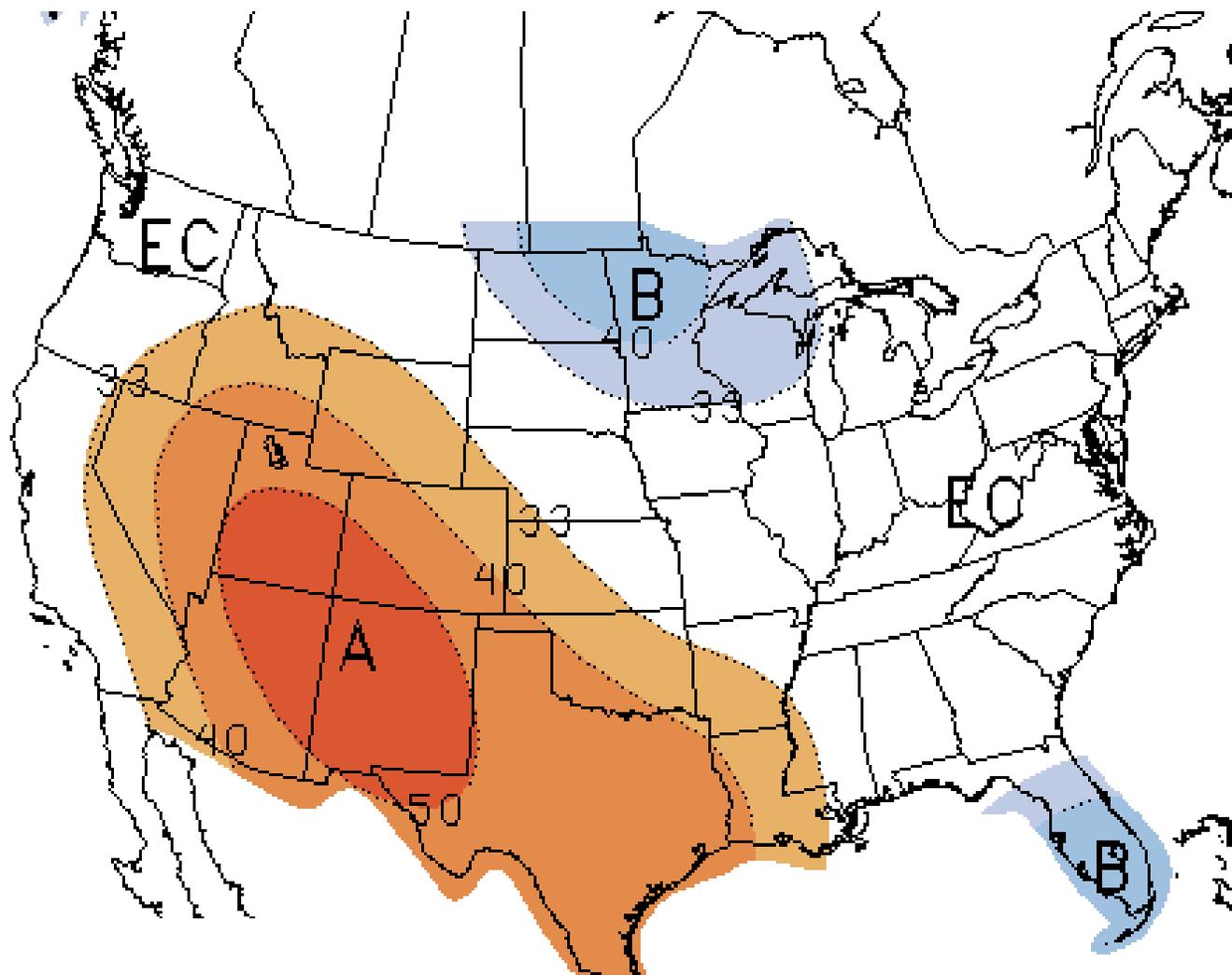
Weather

Regional Heating Degree Days – July 2012 to November 2012



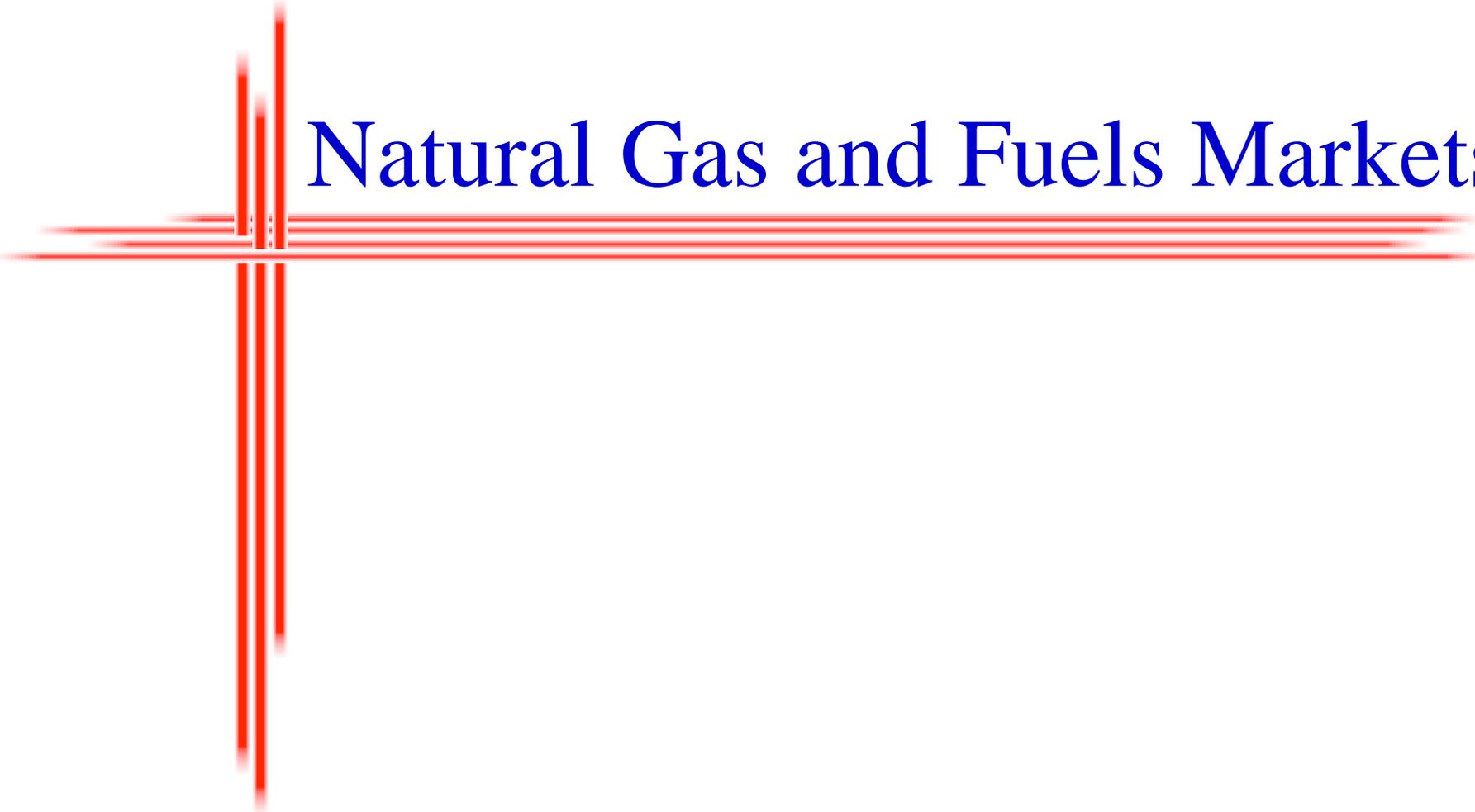
Source: Derived from NOAA data. Normal is based on a 30-year average of heating degree day data.
December 2012 Midwest Snapshot Report

NOAA's 3 Month Temperature Forecast Made November 15, 2012, Valid for December 2012 – February 2013



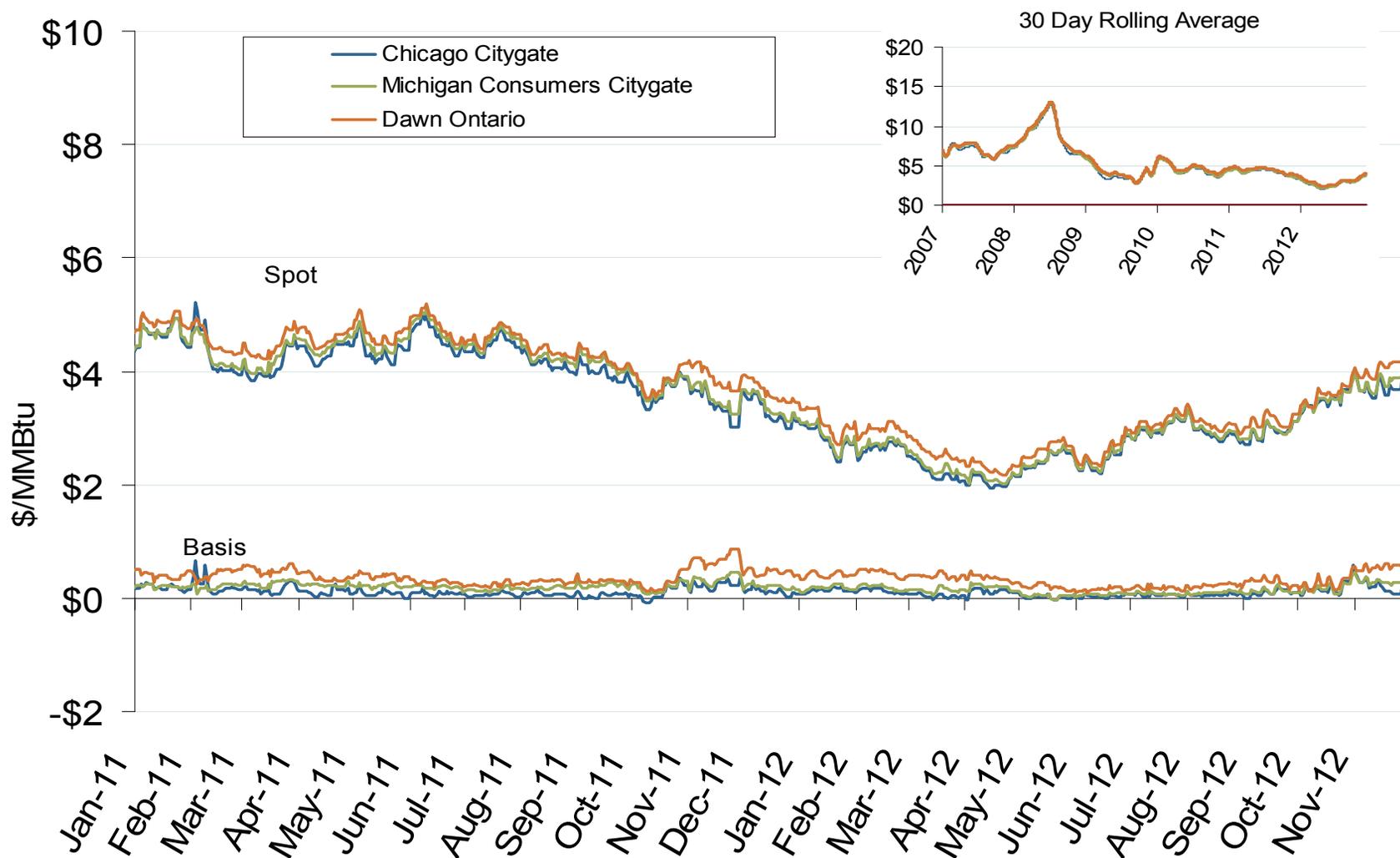
Note: "A" areas are above normal, "B" areas are below normal and "EC" means equal chance. Normal is based on the last 30 years of data.
Source: Derived from NOAA data.

Updated: December 3, 2012



Natural Gas and Fuels Markets

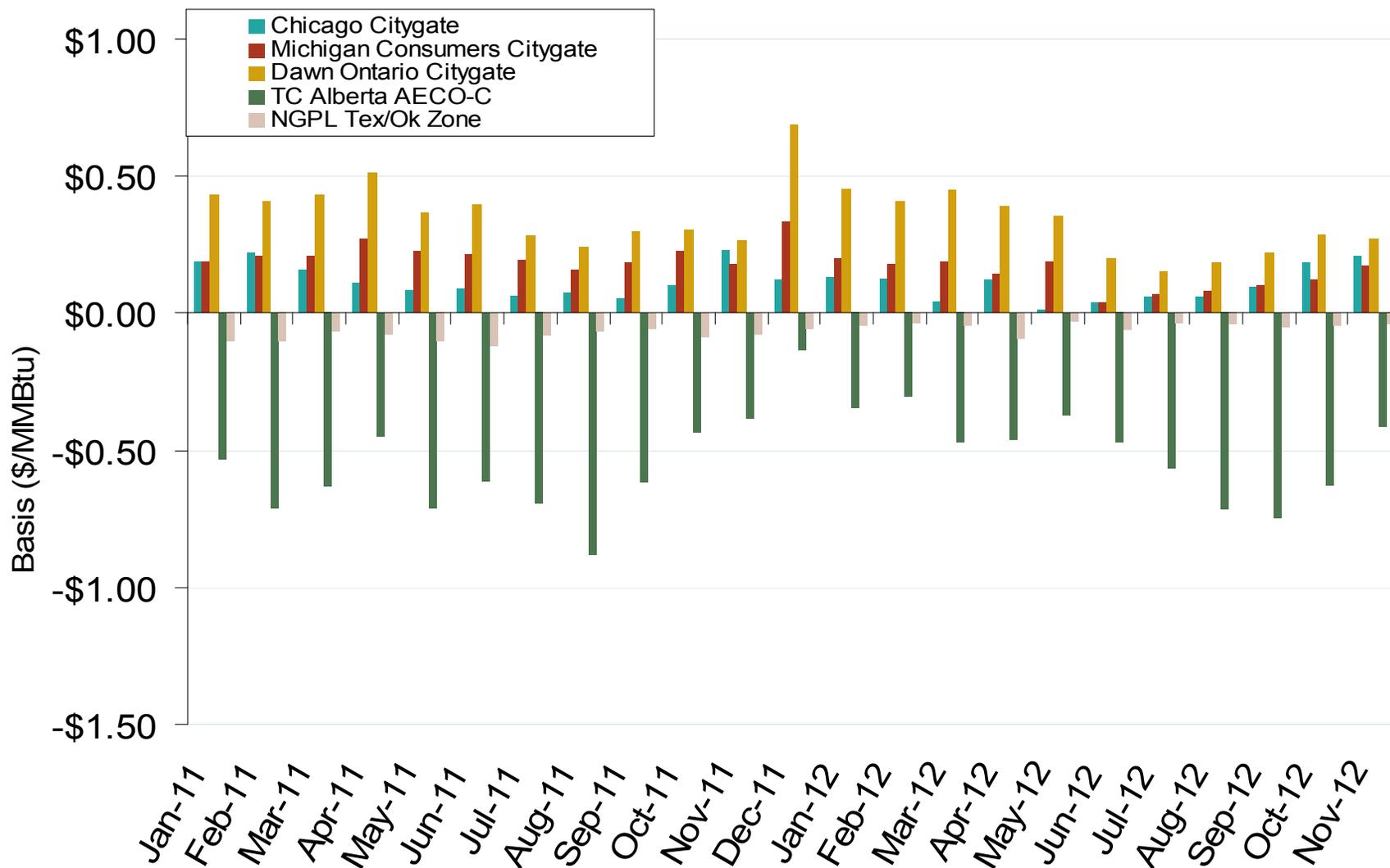
Midwestern Day-Ahead Hub Spot Prices and Basis



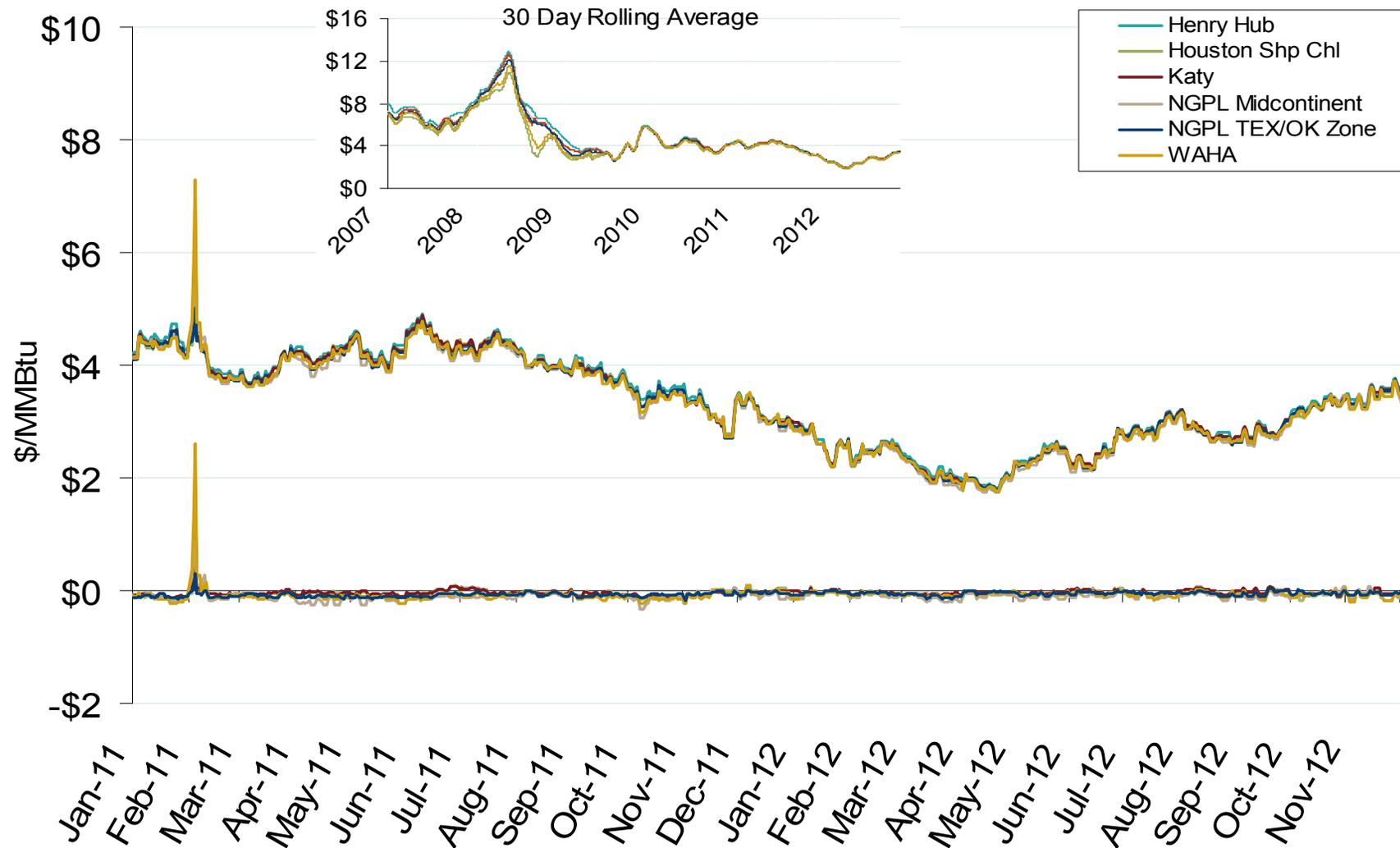
Midwest Natural Gas Market: Average Basis to Henry Hub

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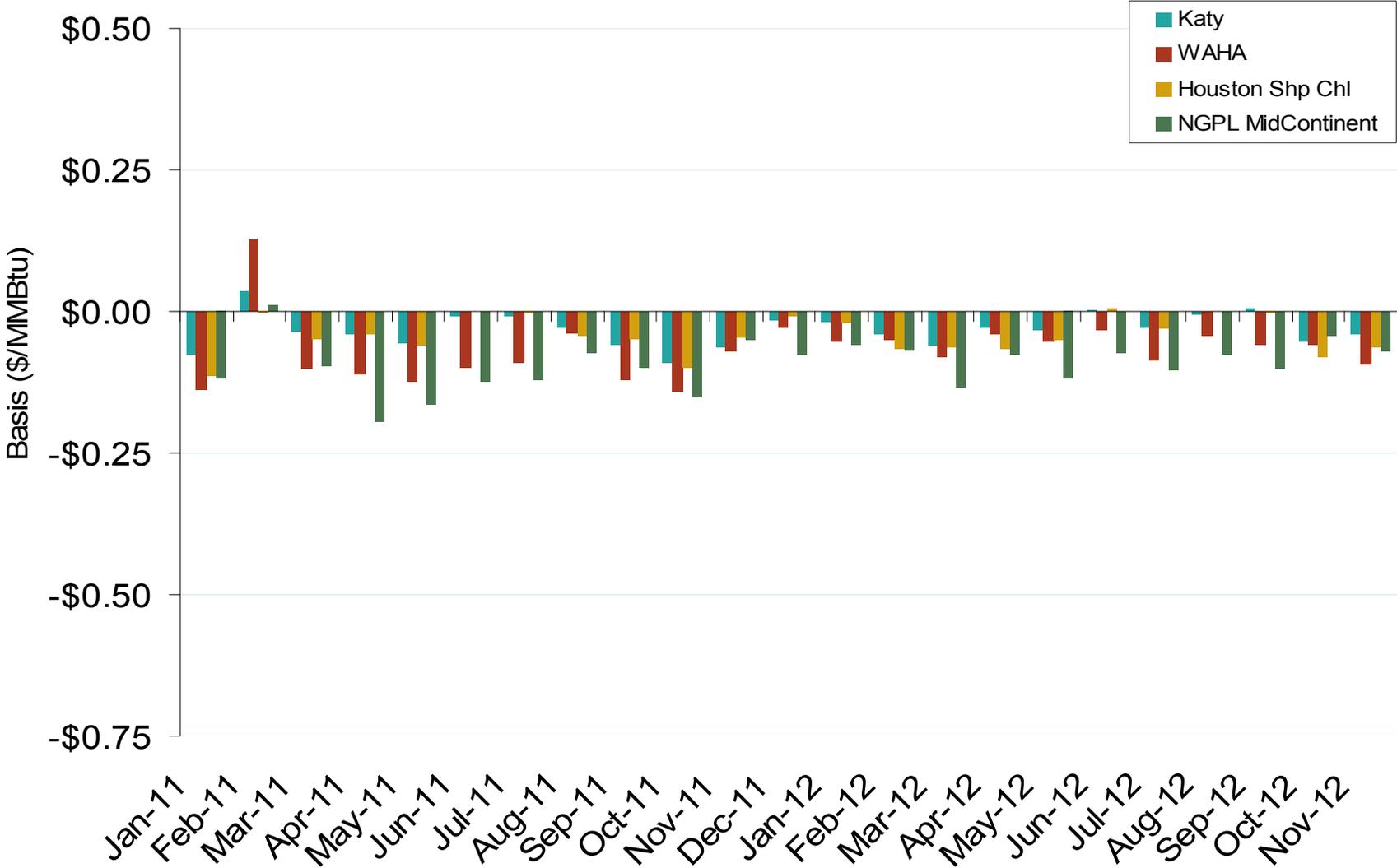
Midwestern Monthly Average Basis Value to Henry Hub



Gulf Day-Ahead Hub Spot Prices and Basis



Gulf Monthly Average Basis Value to Henry Hub

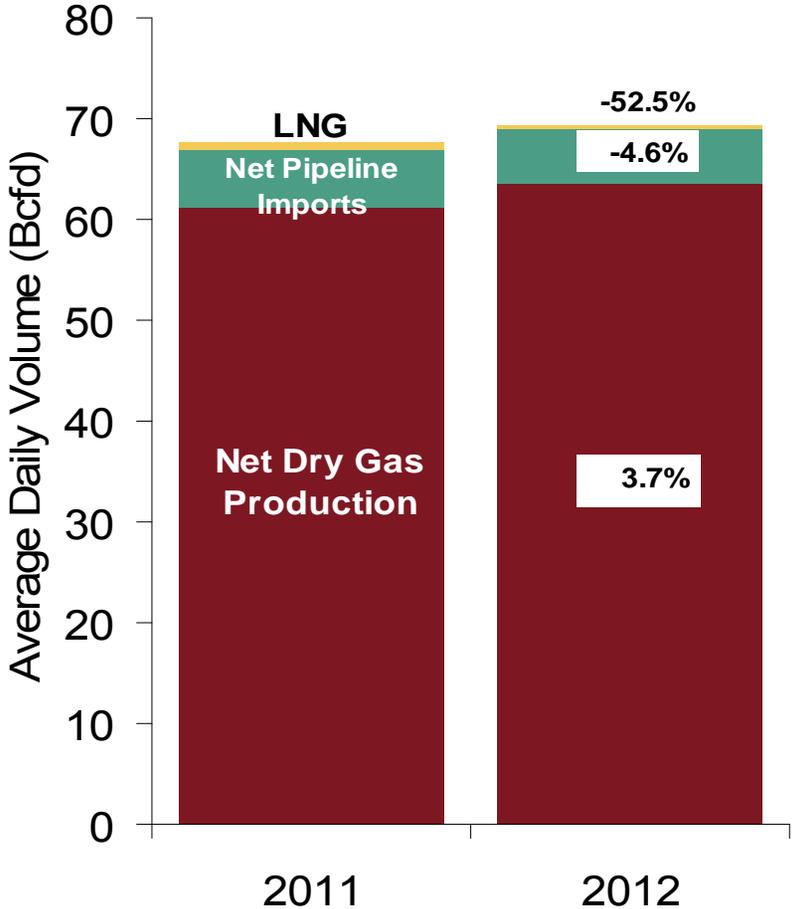


Source: Derived from Platts data
December 2012 Midwest Snapshot Report

U.S. NG Supply and Demand 2011 vs. 2012: January - November

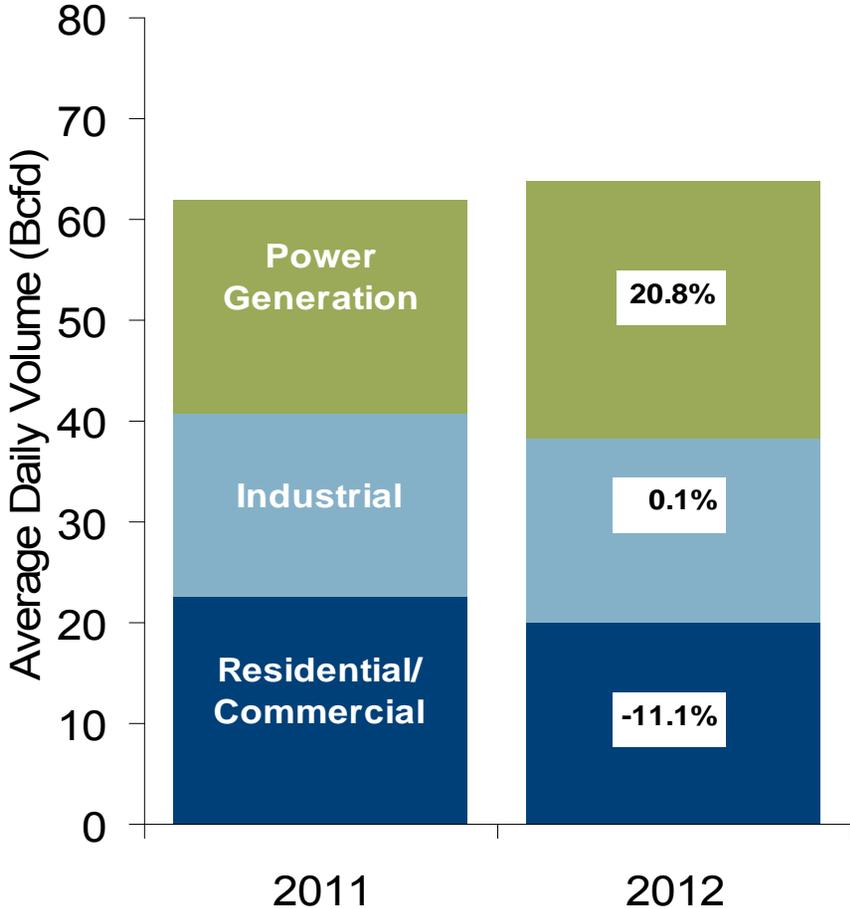
US Natural Gas Supply

Total Change in Supply 2.1%



US Natural Gas Demand

Total Change in Demand 3.9%

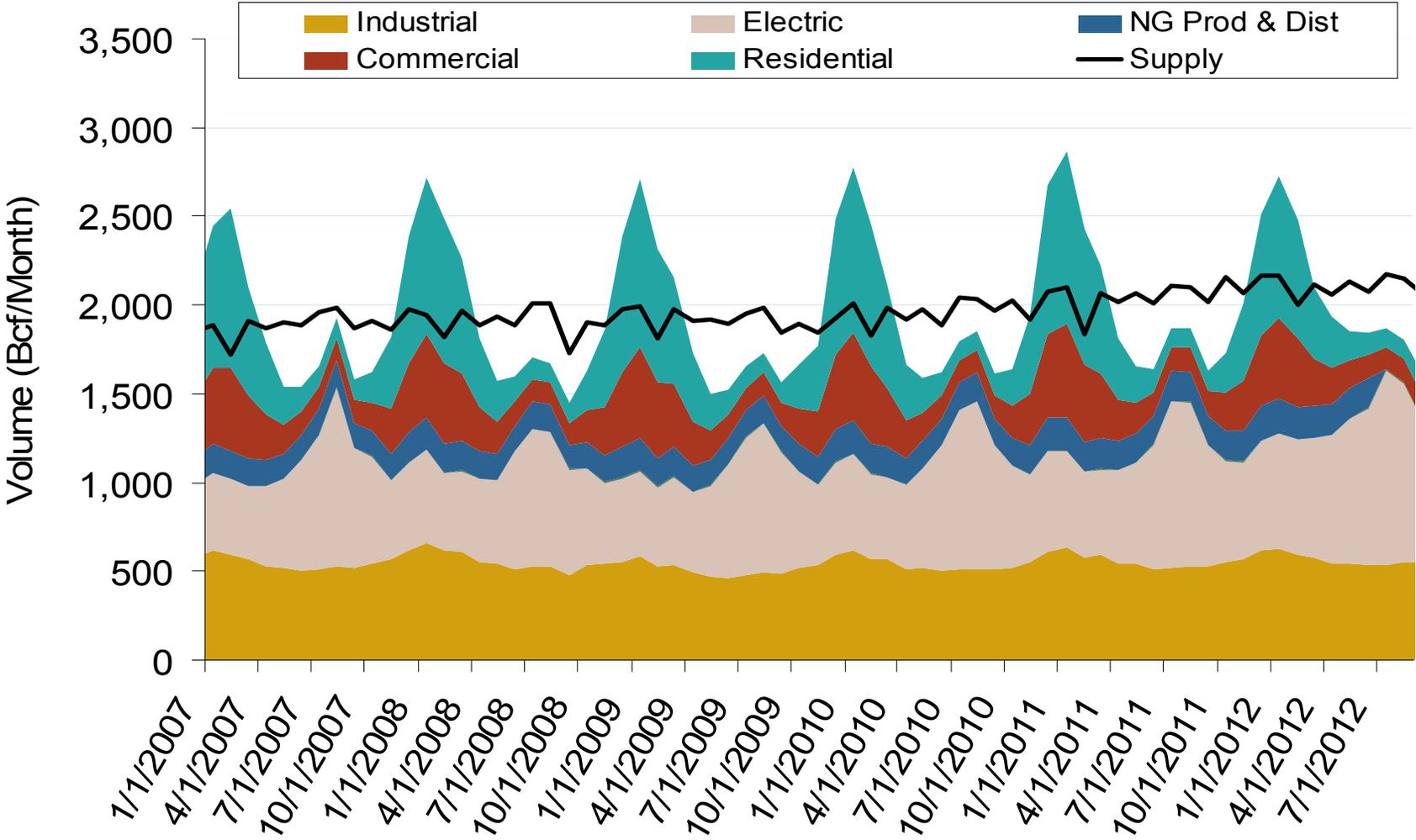


Note: Balance includes all amounts not attributable to other categories.

Source: Derived from Bentek Energy data

December 2012 Midwest Snapshot Report

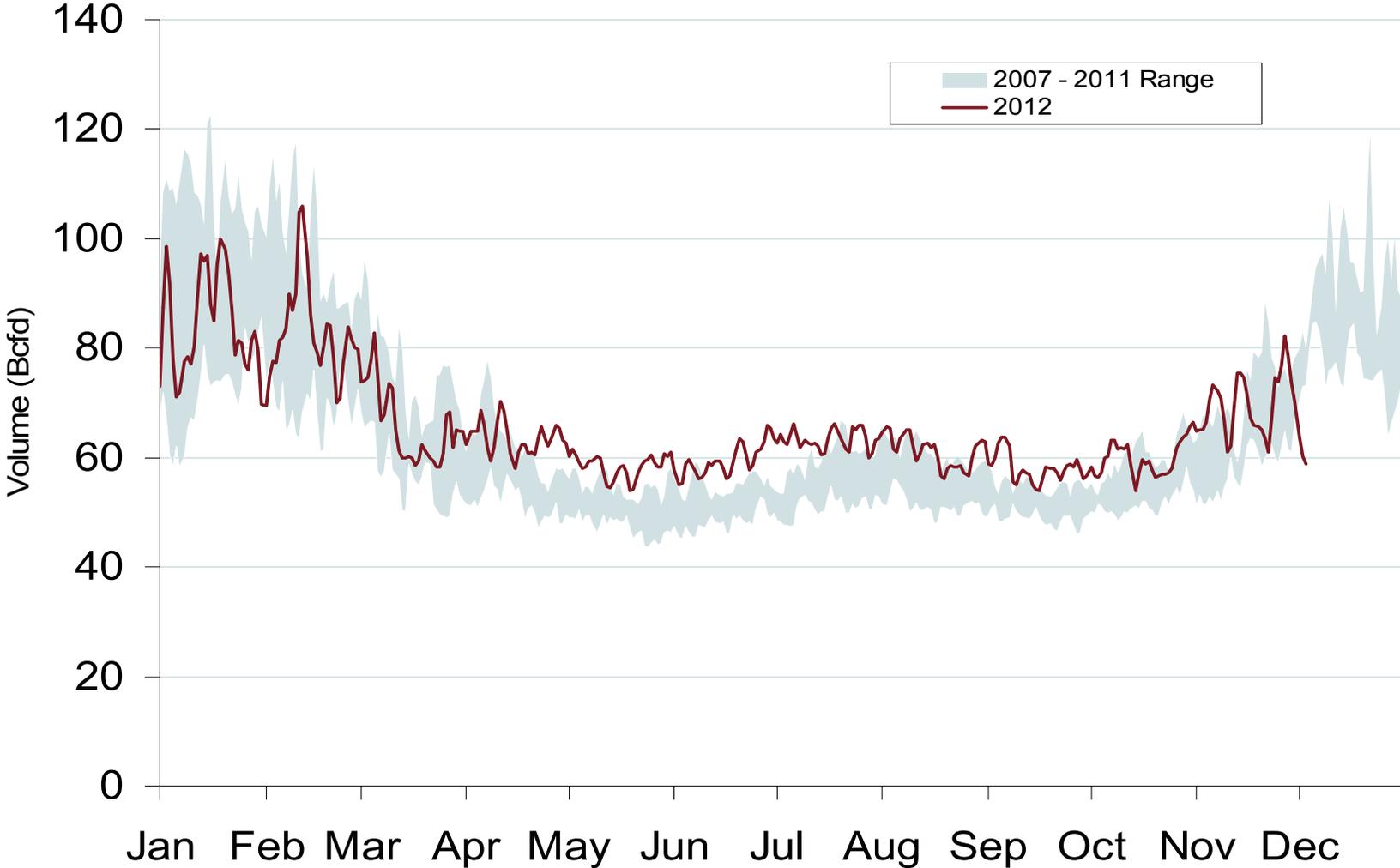
Annual U.S. Natural Gas Consumption by Sector



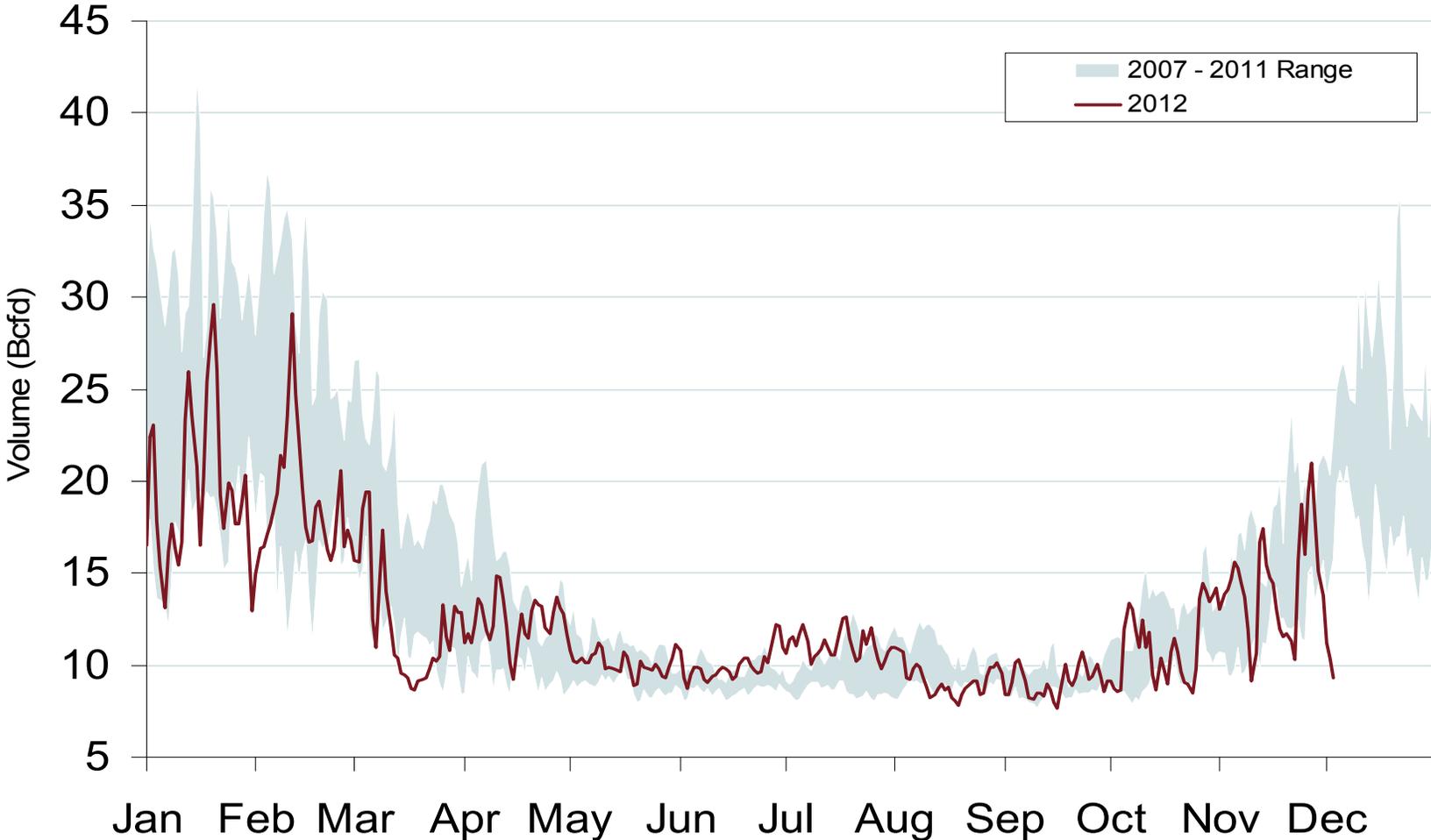
Notes: Supply includes lower 48 state production, net pipeline imports, and LNG imports

Source: Derived from EIA data

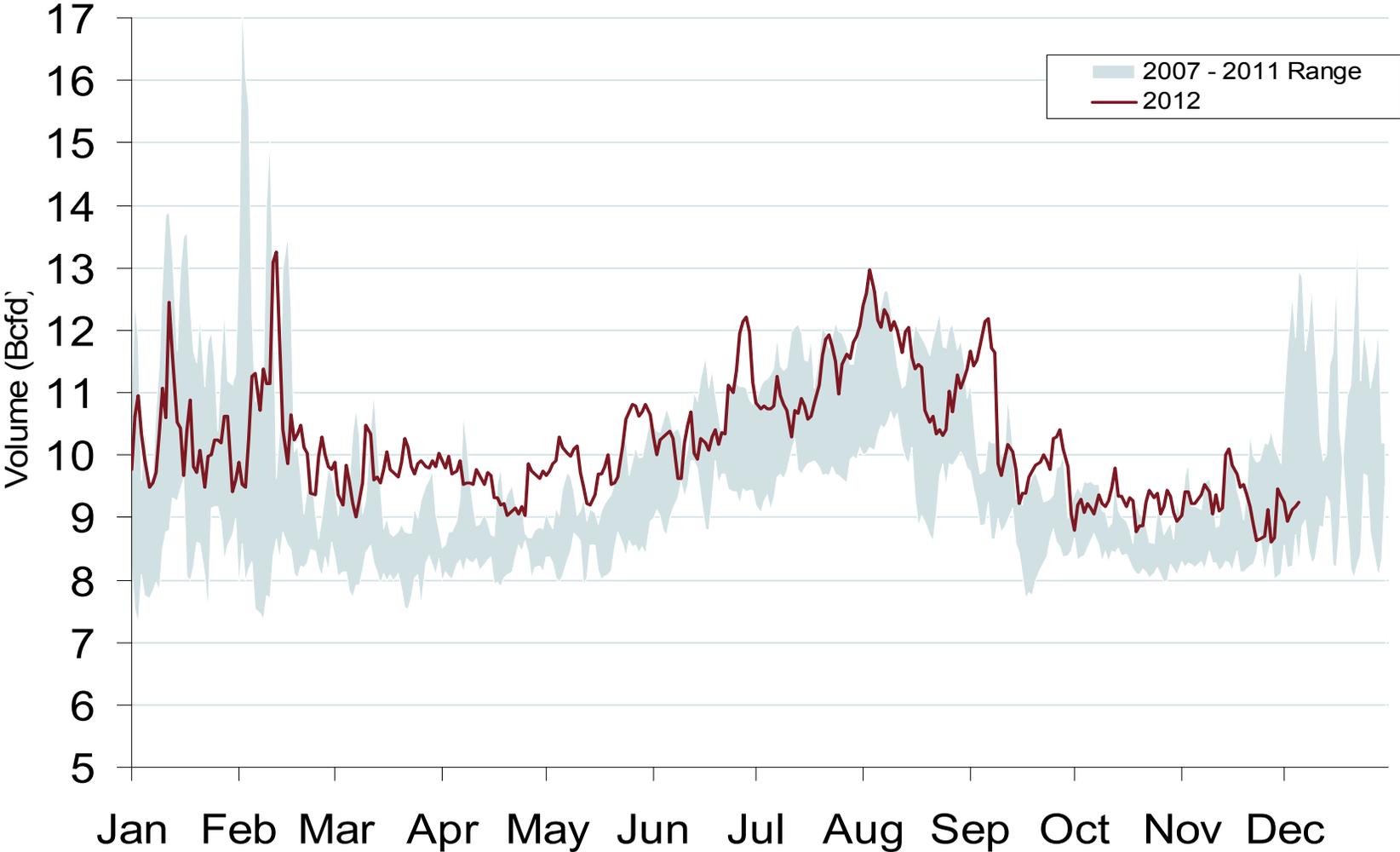
Total U.S. Natural Gas Demand All Sectors



Daily Midwest Natural Gas Demand All Sectors



Daily Gulf Natural Gas Demand All Sectors

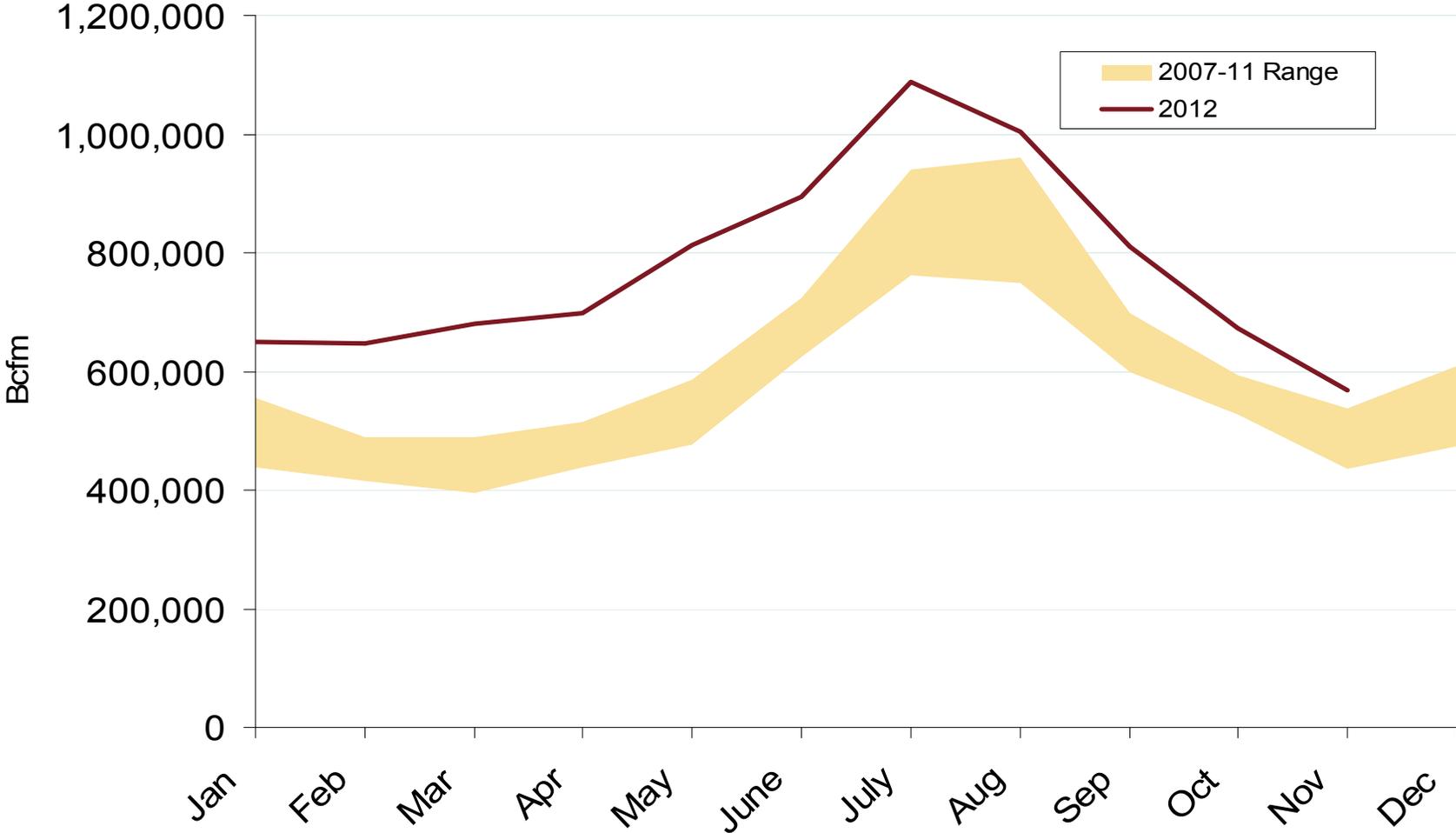


Source: Derived from *Bentek Energy* data
December 2012 Midwest Snapshot Report

Updated: December 05, 2012

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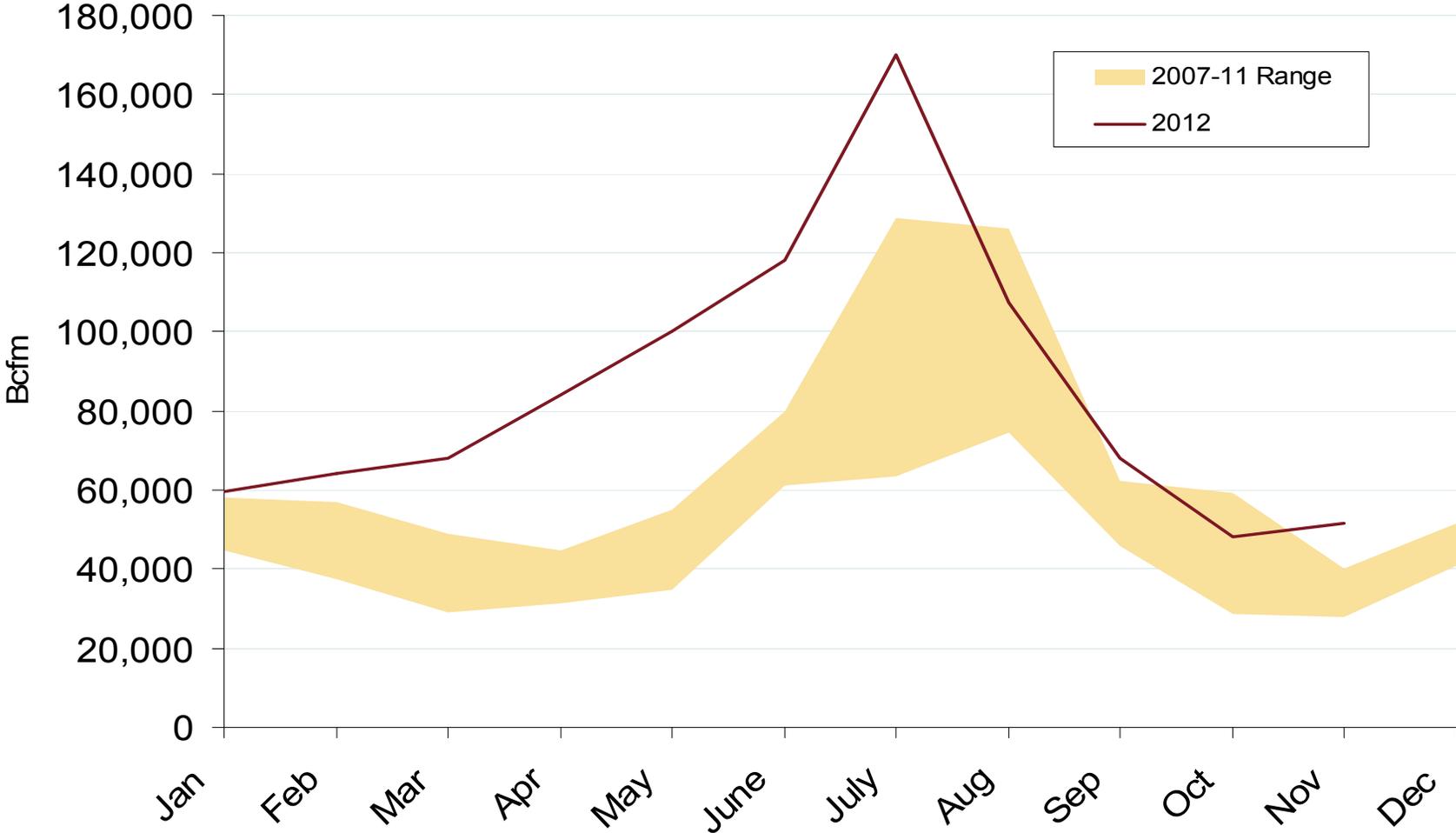
U.S. Natural Gas Consumption for Power Generation



Source: Derived from *Bentek Energy* data
December 2012 Midwest Snapshot Report

Updated: December 04, 2012

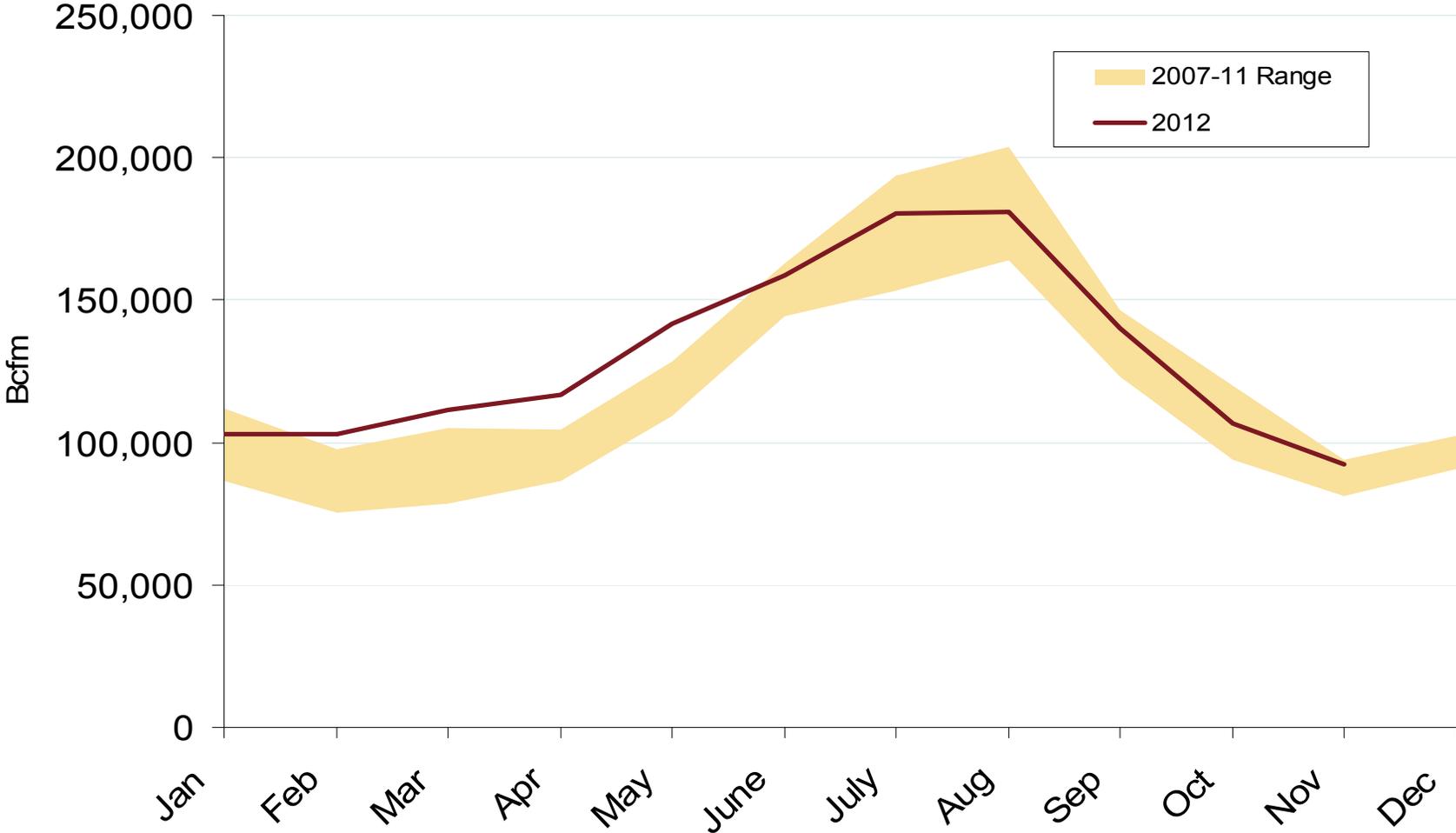
Midwest Natural Gas Consumption for Power Generation



Source: Derived from *Bentek Energy* data
December 2012 Midwest Snapshot Report

Updated: December 04, 2012

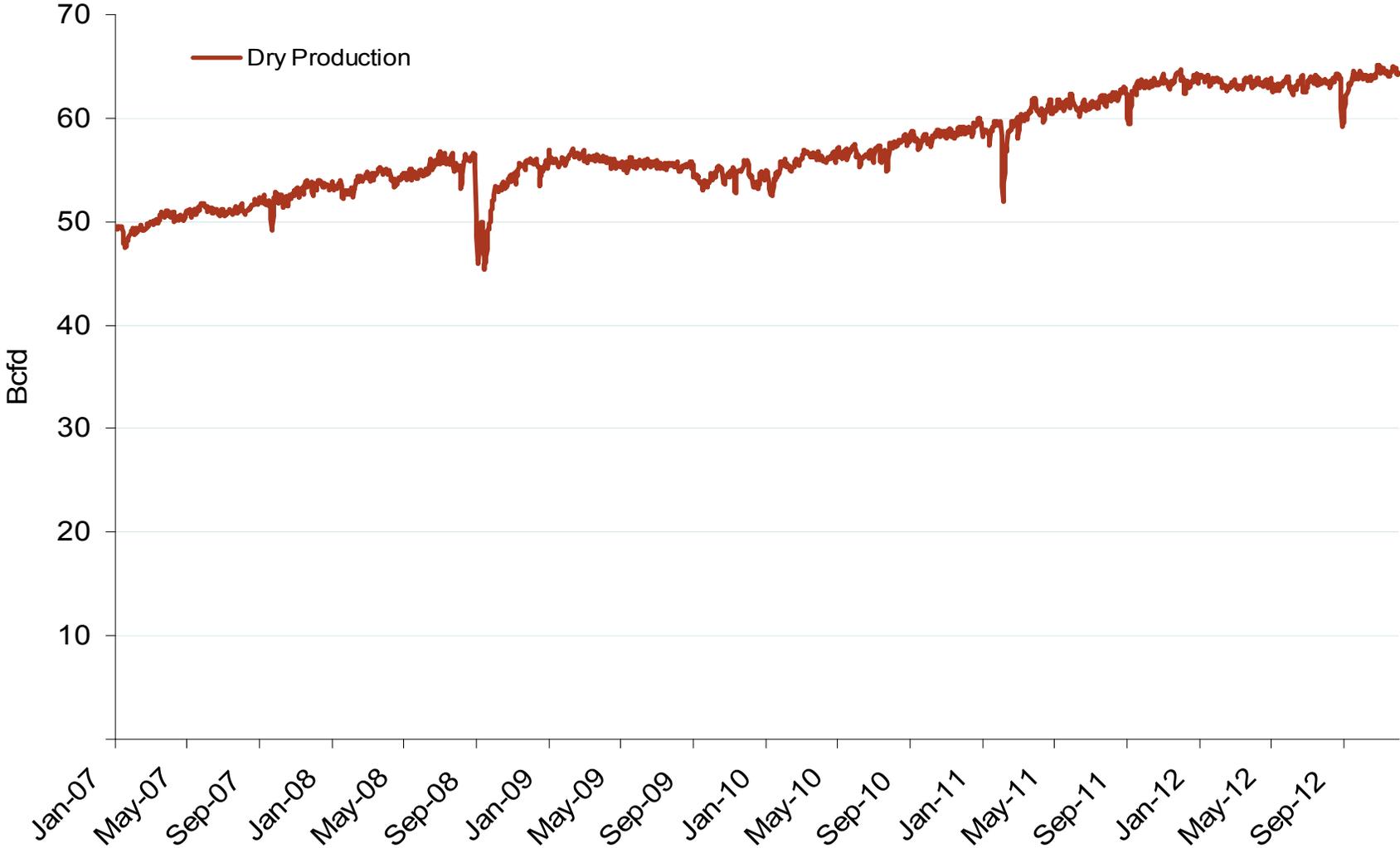
Gulf Natural Gas Consumption for Power Generation



Source: Derived from *Bentek Energy* data
December 2012 Midwest Snapshot Report

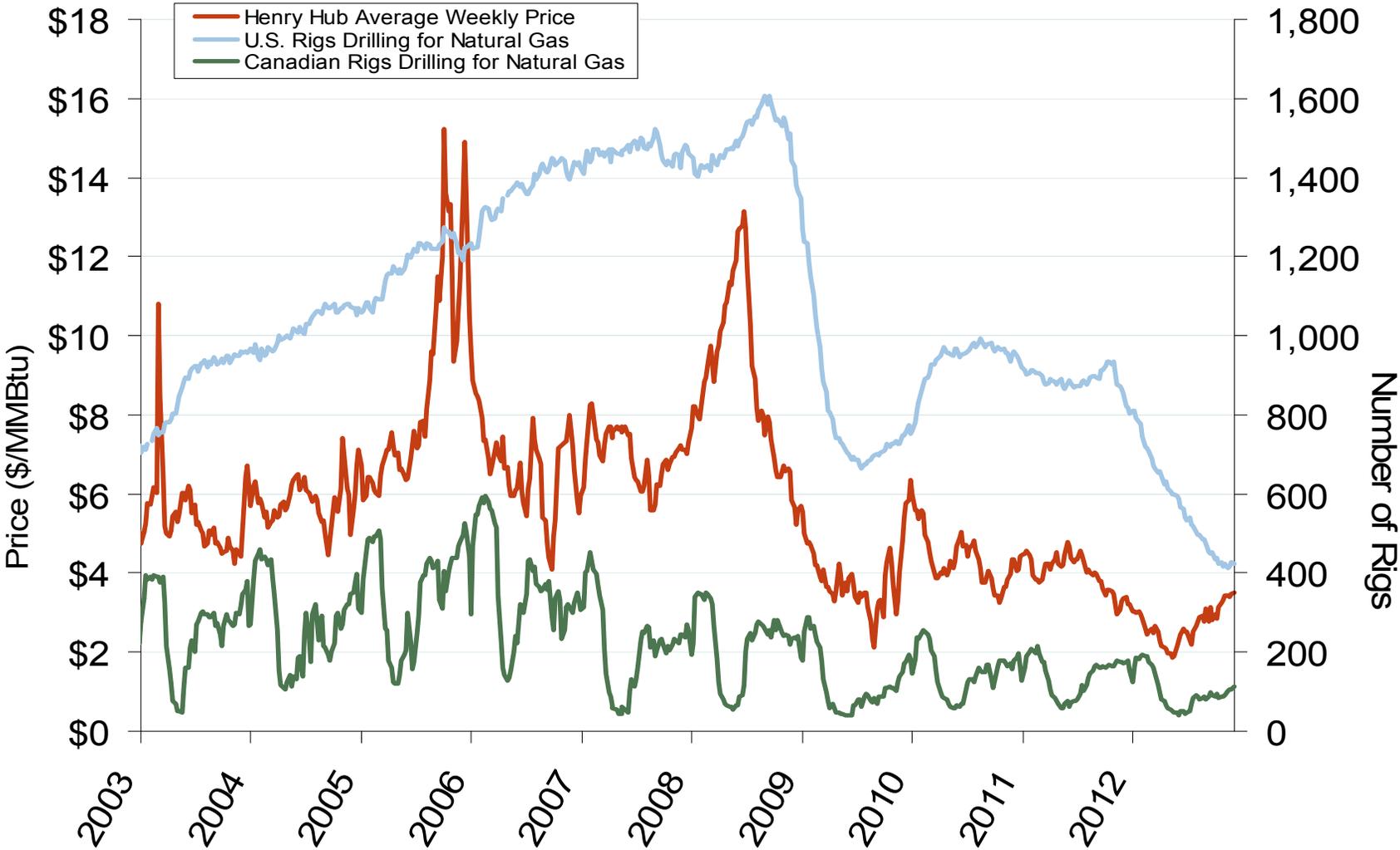
Updated: December 04, 2012

Monthly U.S. Dry Gas Production – Lower 48 States



Note: Prior to July 2010, chart was derived from a combination of *EIA* and *Bentek Energy* data
Source: Derived from *Bentek Energy* data
December 2012 Midwest Snapshot Report

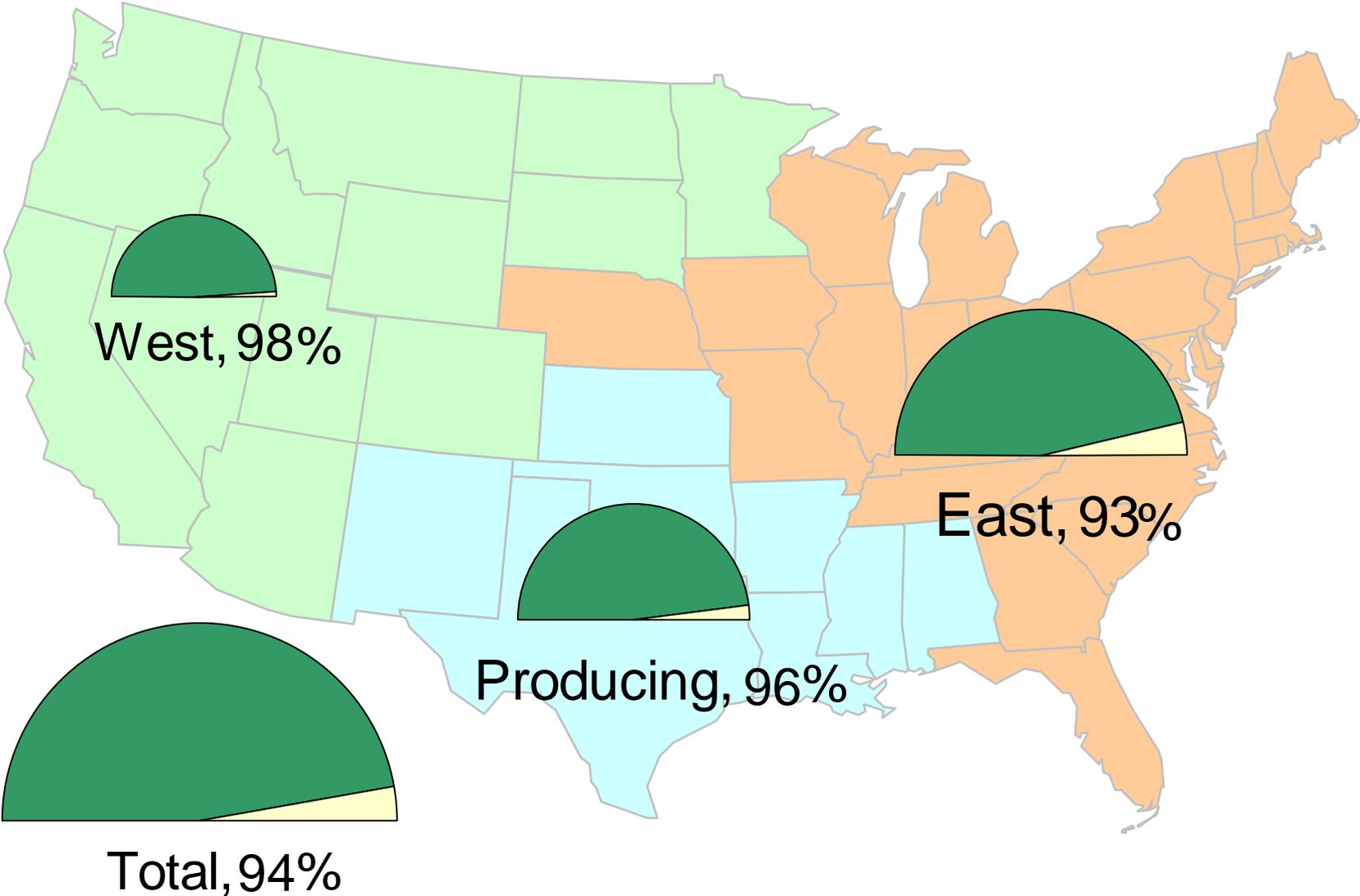
U.S. and Canadian NG Drilling Rig Count and Daily Spot Prices



Source: Derived from *Platts* and *Baker Hughes* data
December 2012 Midwest Snapshot Report

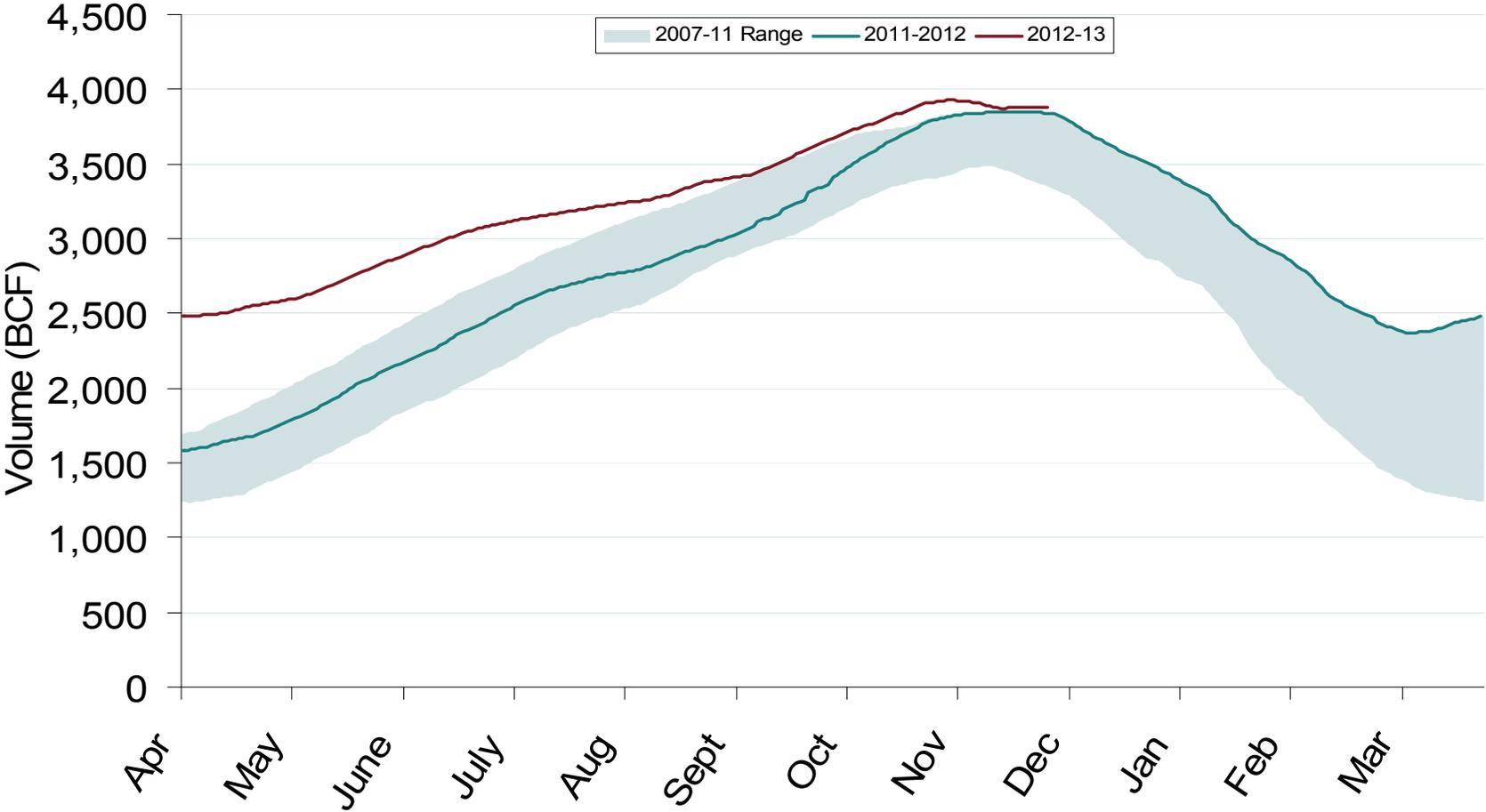
Updated: December 04, 2012

Natural Gas Storage Inventories – November 30, 2012



Source: Derived from EIA Storage and Estimated Working Gas Capacity data
December 2012 Midwest Snapshot Report

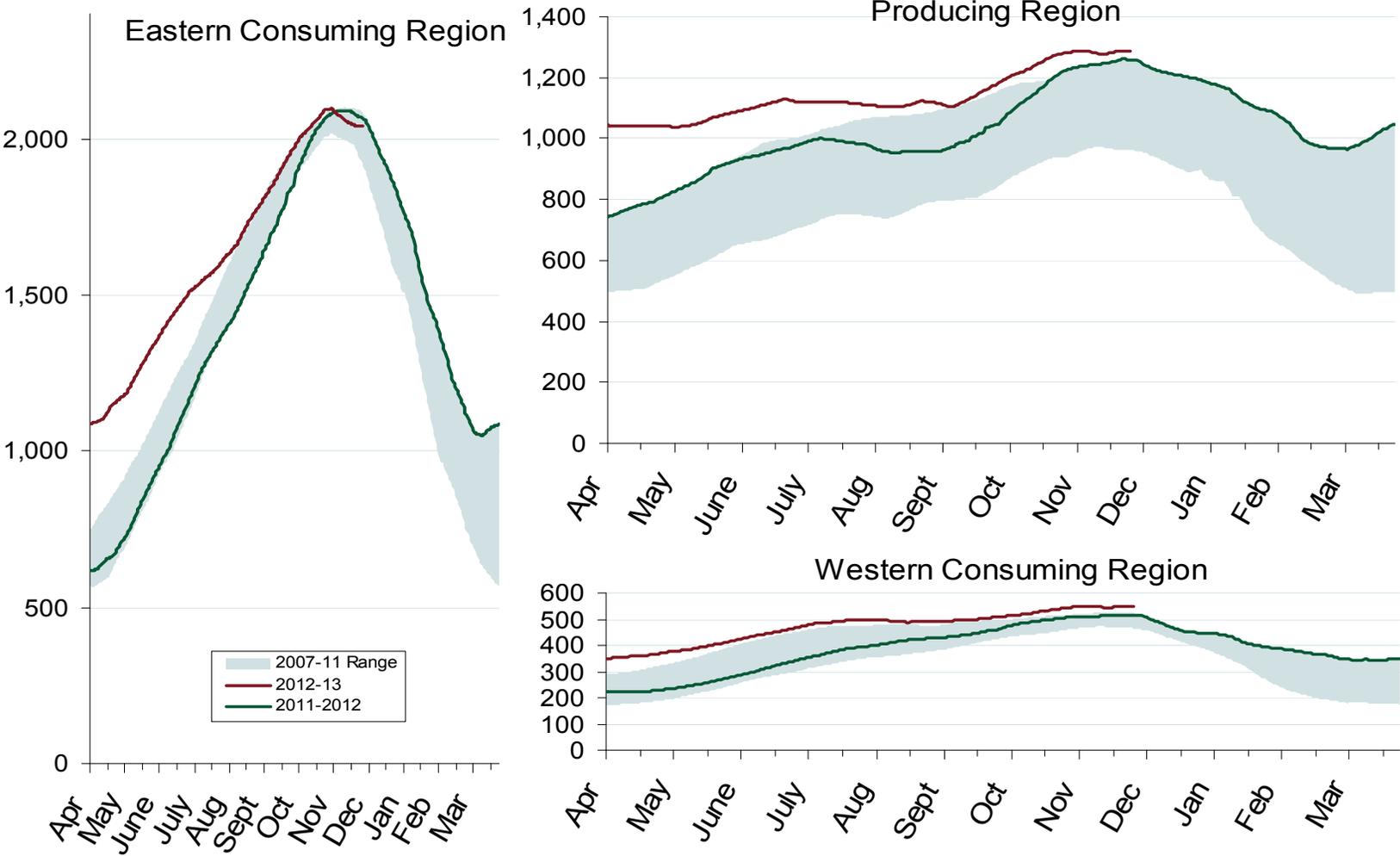
Total U.S. Working Gas in Storage



Source: Derived from EIA data
December 2012 Midwest Snapshot Report

Updated: December 06, 2012

Regional Totals of Working Gas in Storage



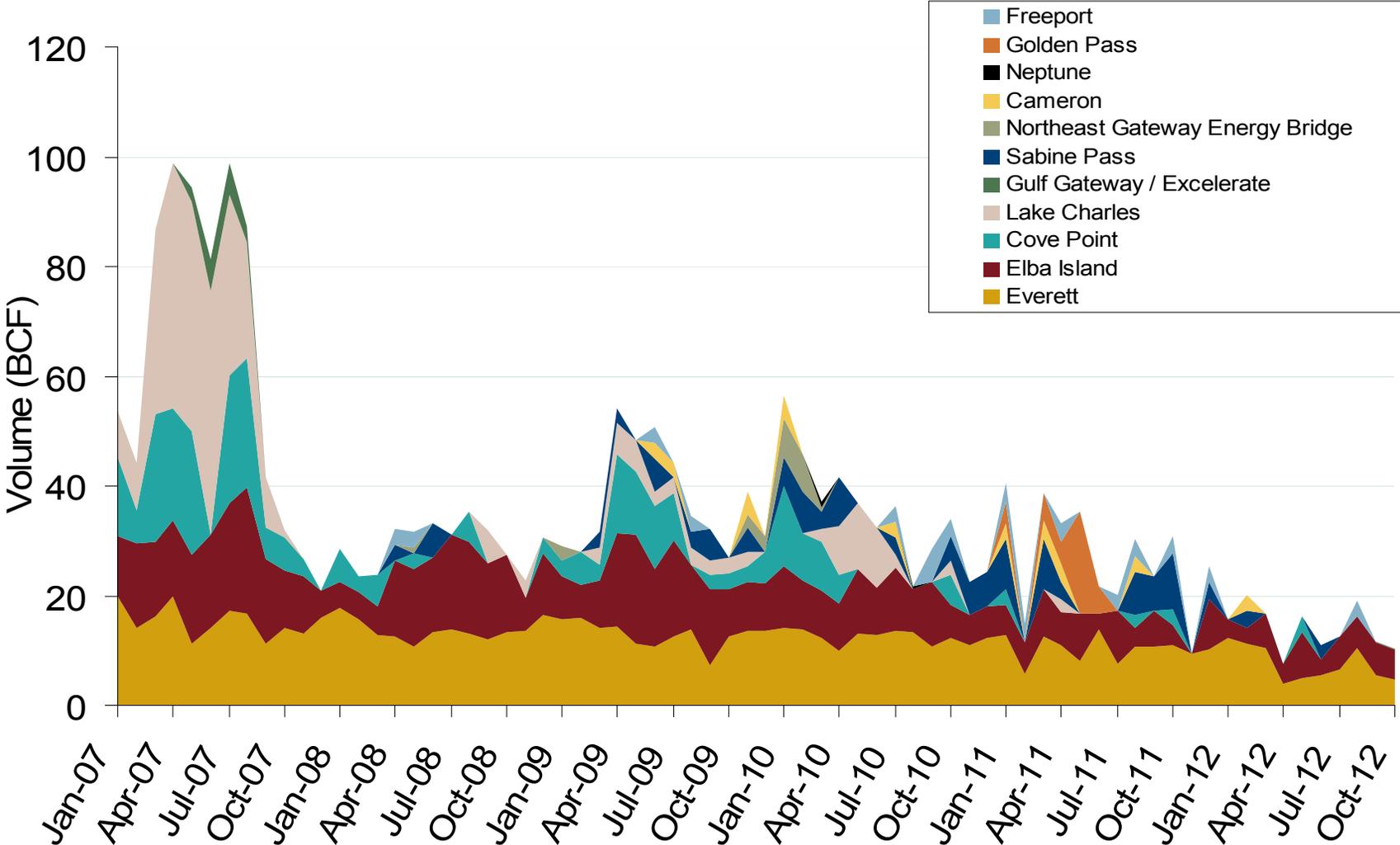
Source: Derived from EIA data
December 2012 Midwest Snapshot Report

Updated: December 06, 2012

World LNG Estimated January 2013 Landed Prices

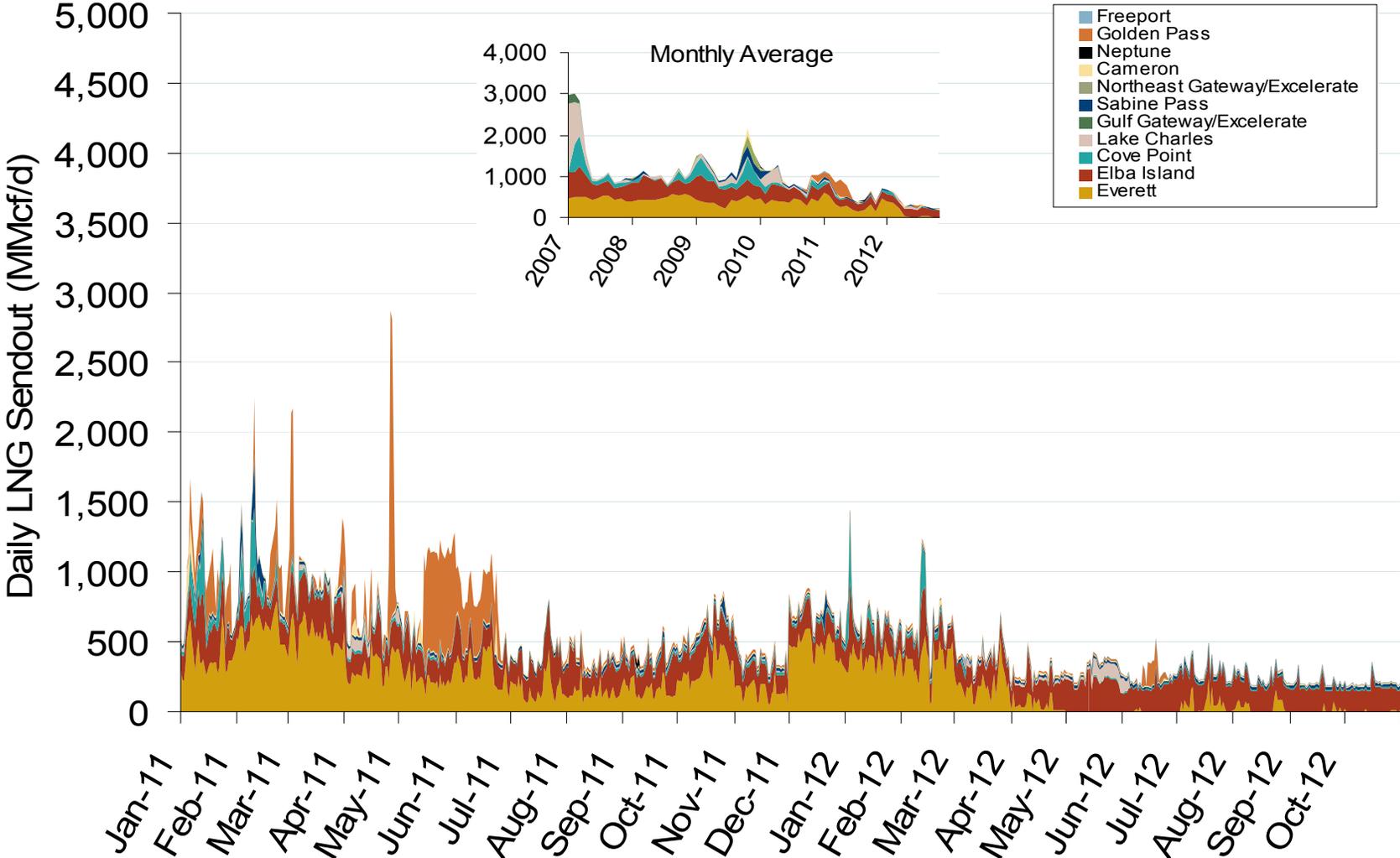


Monthly Gas Imports at Existing U.S. LNG Facilities



Source: Derived from DOE Office of Fossil Energy data
December 2012 Midwest Snapshot Report

Daily Gas Sendout from Existing U.S. LNG Facilities



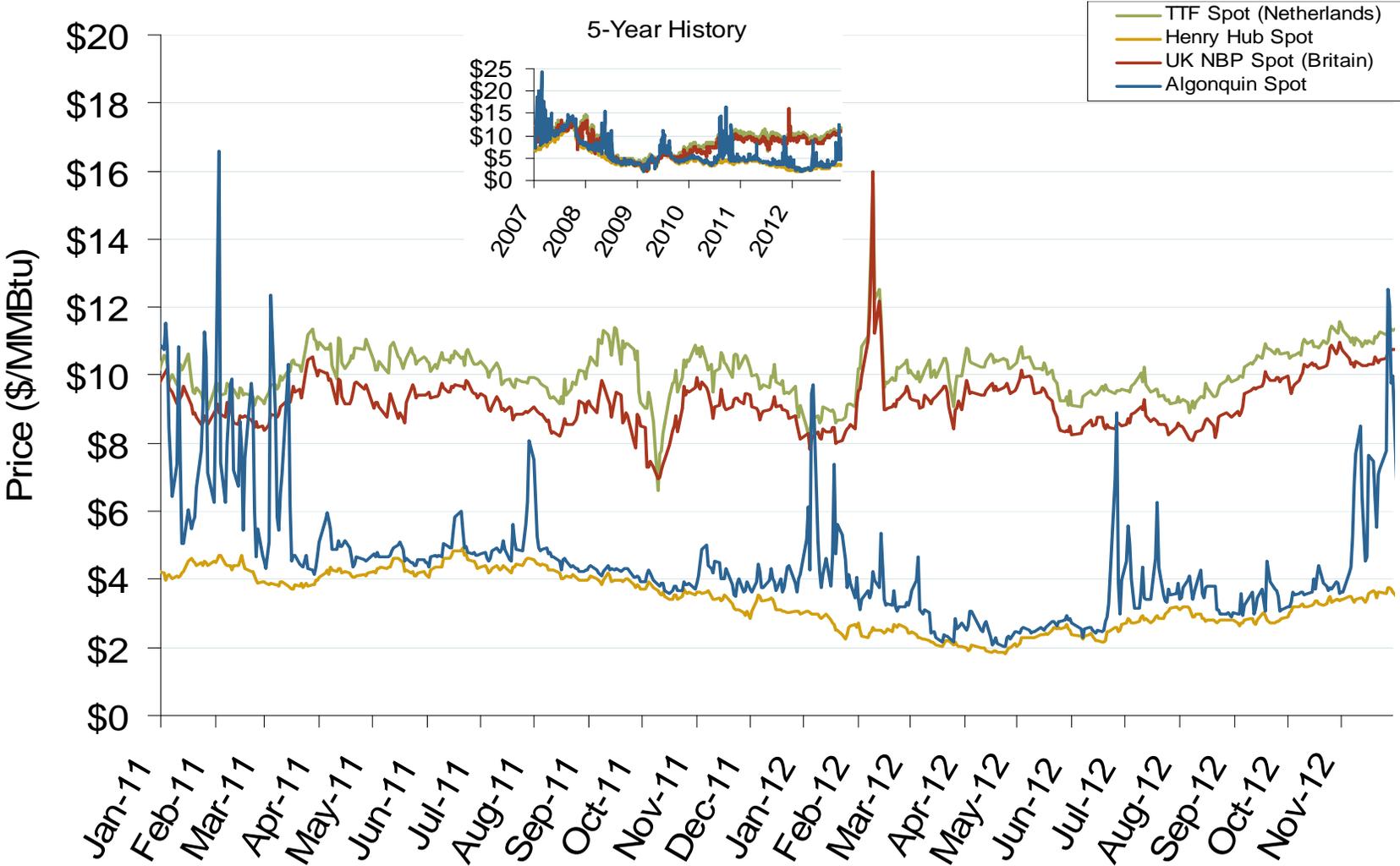
Notes: Everett data includes flows onto the AGT and TGP interstate lines, plus estimates of flows to the Mystic 7 power plant, Keyspan Boston Gas, and LNG trucked out of the terminal. Excludes flows to the Freeport LNG which flows via intrastate pipelines and flows to the Mystic 8 and 9 power plants.

Source: Derived from *Bentek Energy* data

December 2012 Midwest Snapshot Report

Updated: December 04, 2012

Atlantic Basin European and US Spot Natural Gas Prices

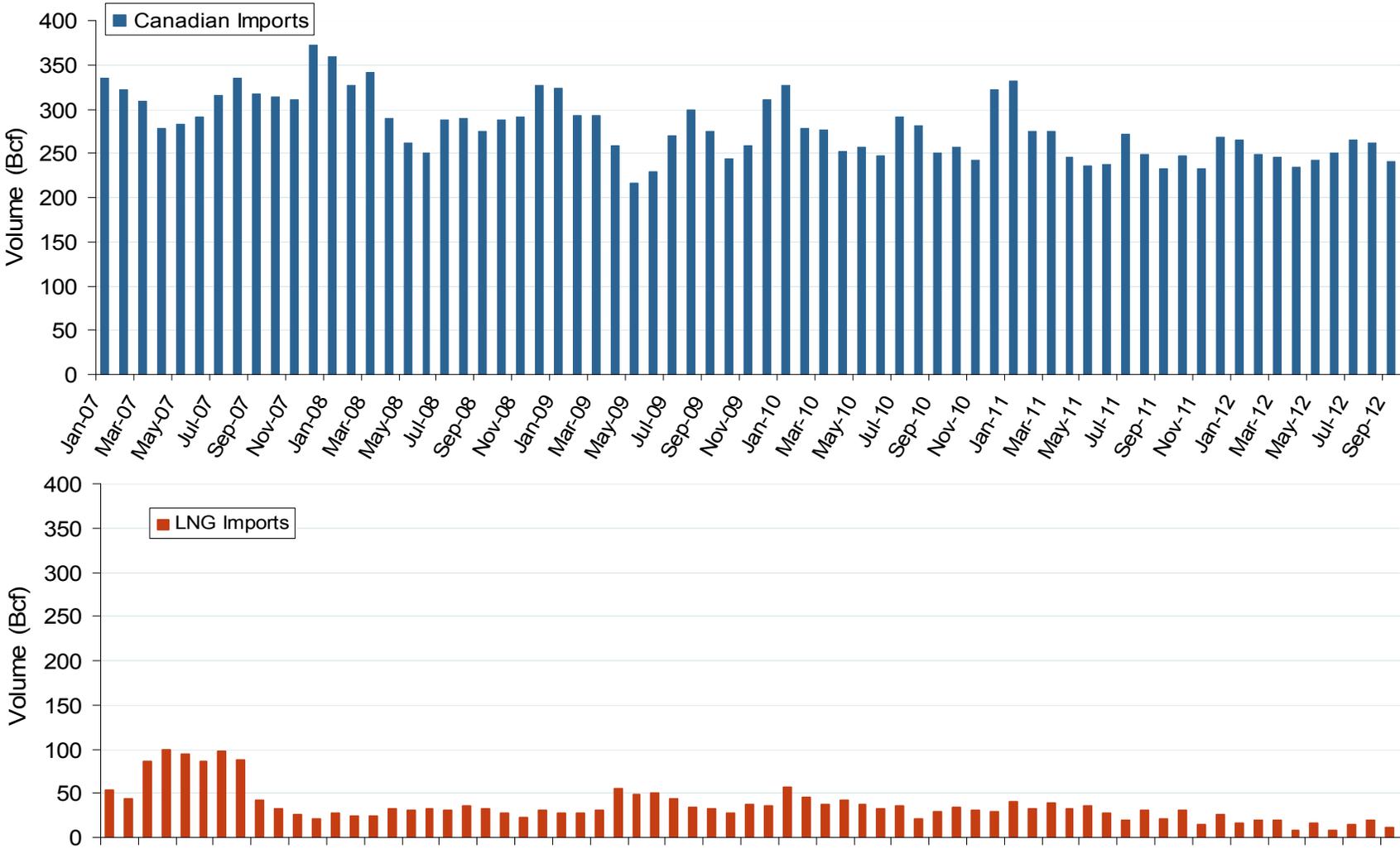


Source: Derived from *Bloomberg* and *ICE* data
December 2012 Midwest Snapshot Report

Updated: December 7, 2012

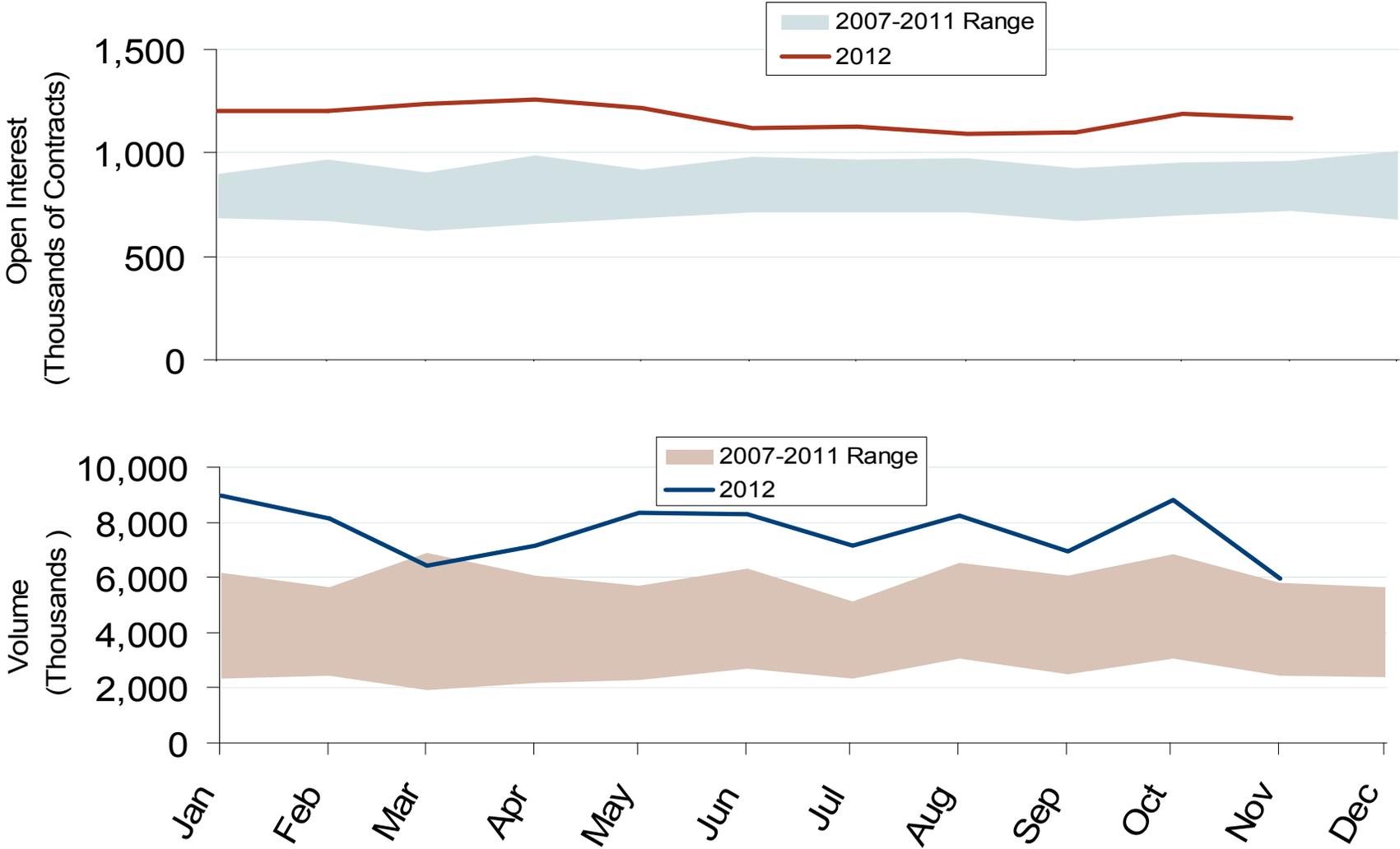
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Canadian and LNG Natural Gas Imports Into the U.S.

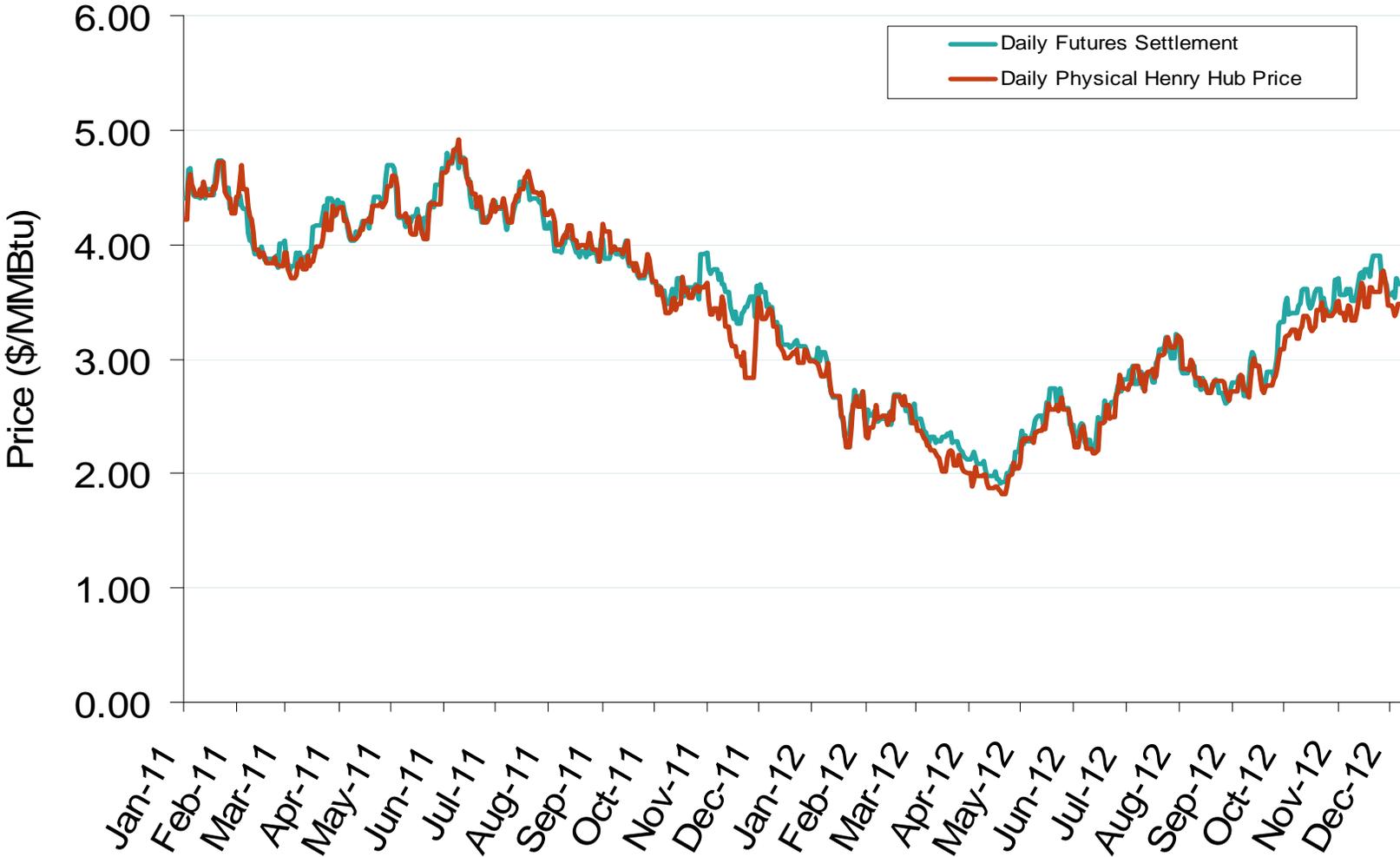


Source: EIA Natural Gas Monthly
December 2012 Midwest Snapshot Report

Nymex NG Futures Month-End Open Interest and Monthly Volume



Daily Physical Index Price & Daily Futures Settlement Price



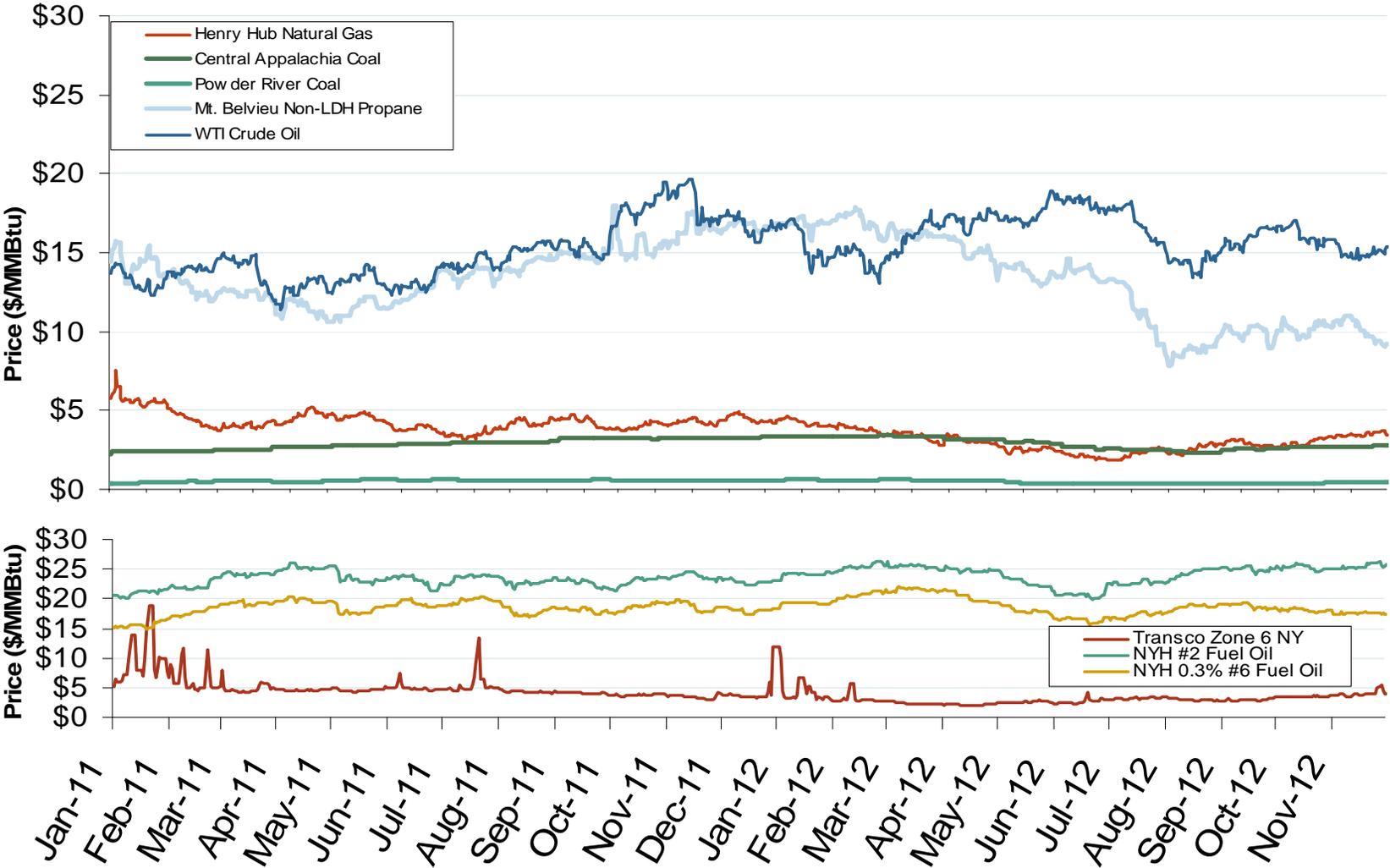
Source: Derived from *Bloomberg* data
December 2012 Midwest Snapshot Report

Updated: December 7, 2012

Other Fuels Market: Fossil Fuel Prices

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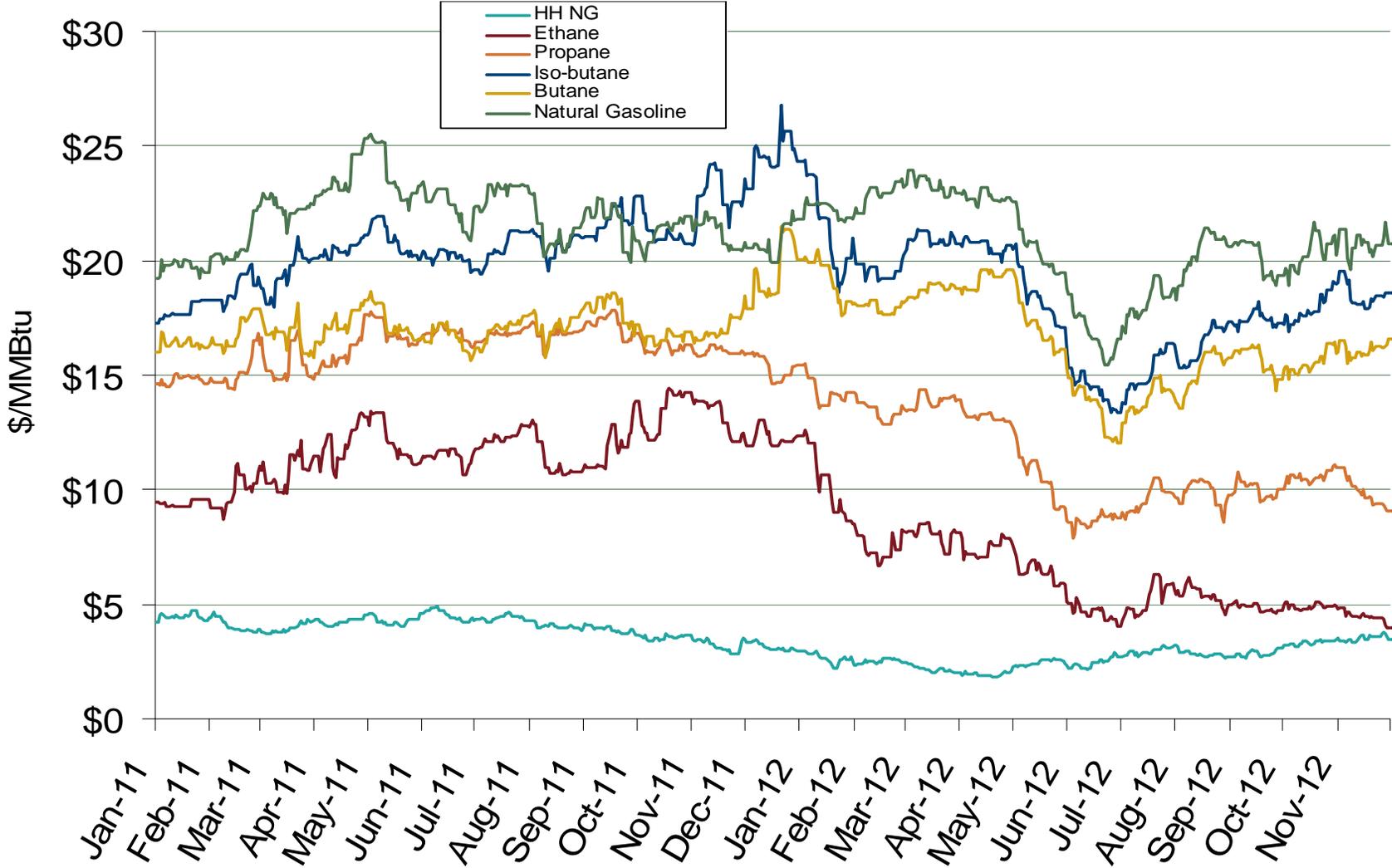
Oil, Coal, Natural Gas and Propane Daily Spot Prices



Notes: 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

Source: Derived from ICE and Bloomberg data

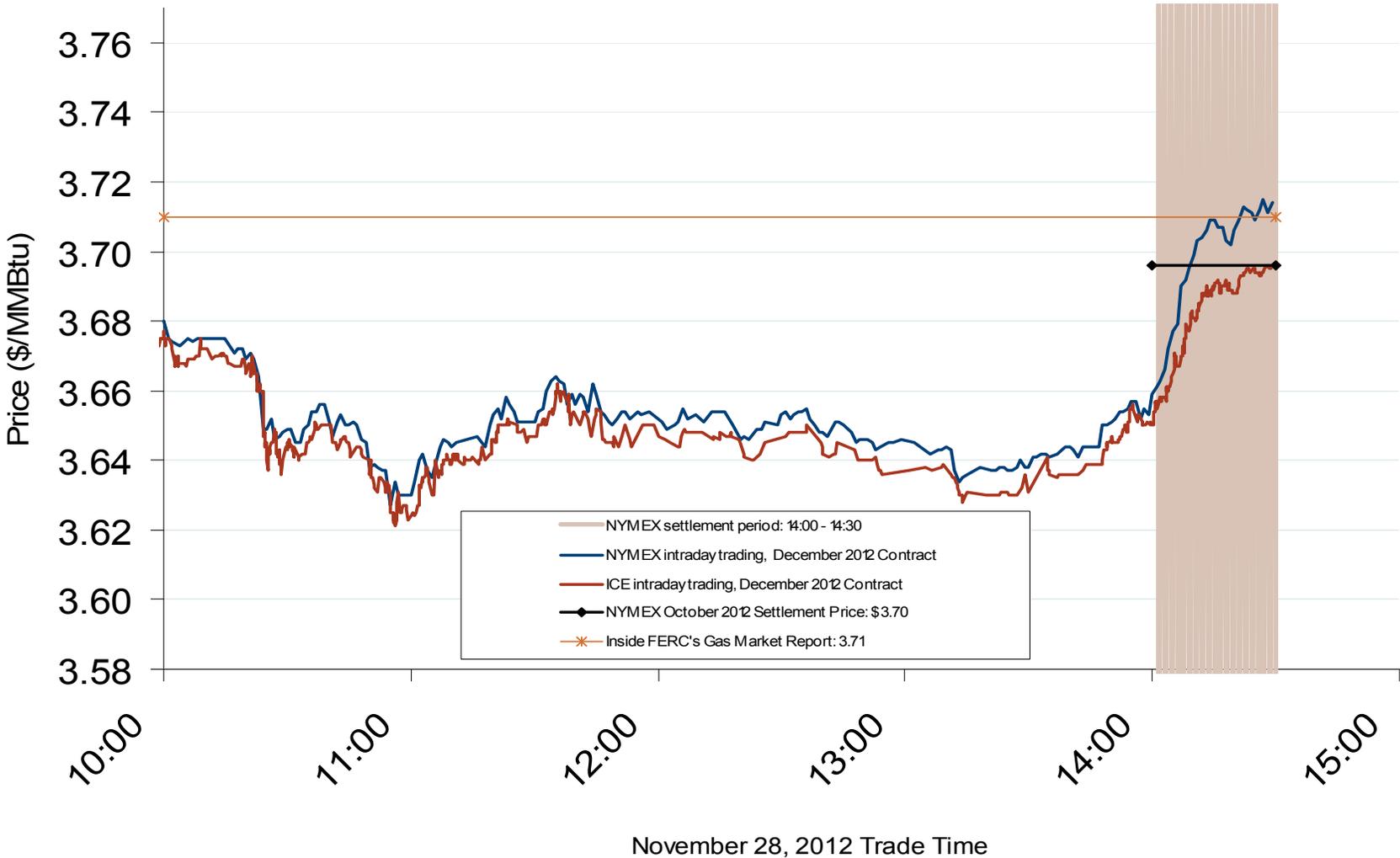
U.S. Natural Gas vs. Natural Gas Liquids (NGL) Prices



Source: Derived from Bloomberg Data
December 2012 Midwest Snapshot Report

Updated: December 7, 2012

Nymex and ICE Contract Final Settlement - December 2012

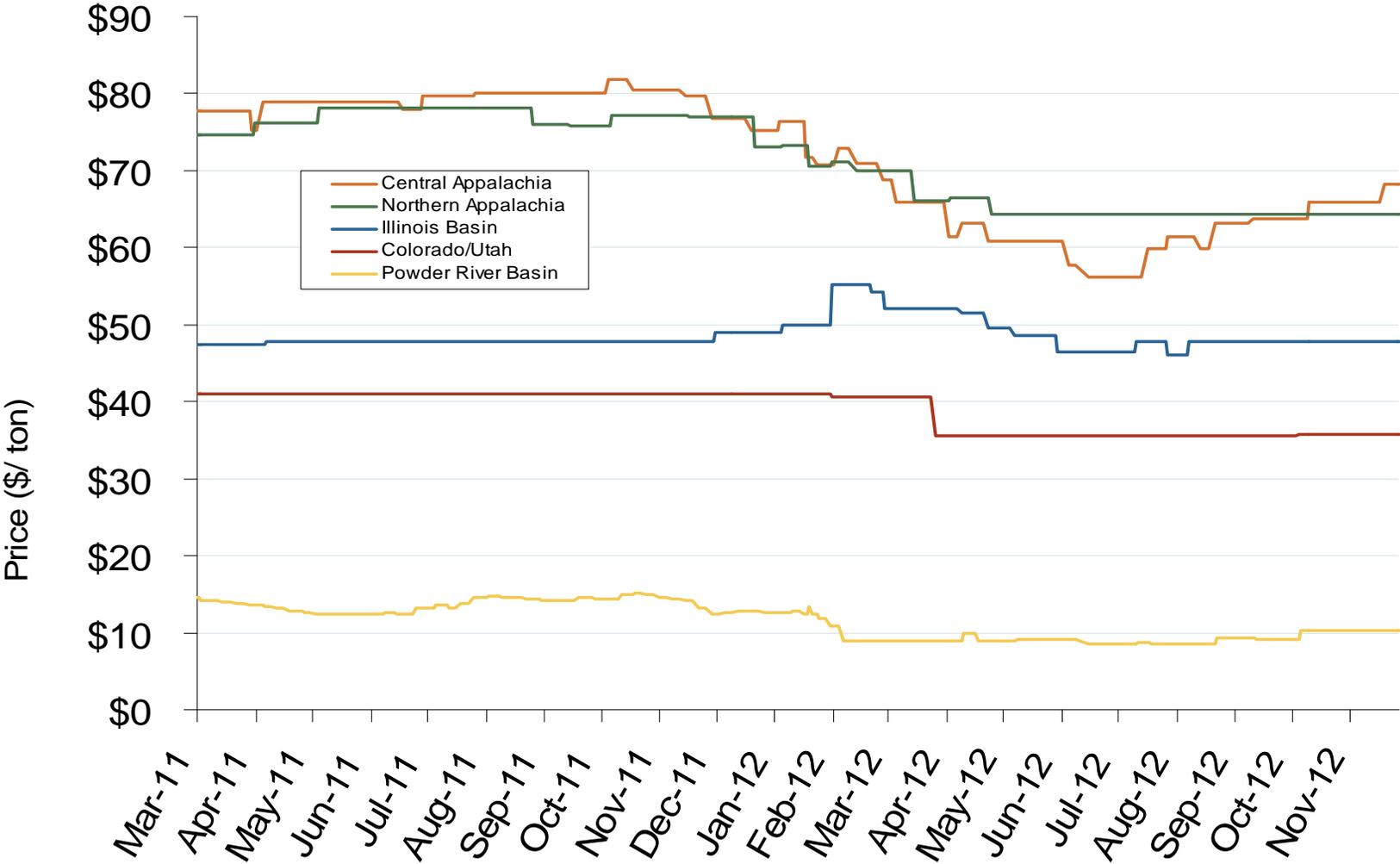


Notes: The final settlement day for this Nymex contract is three business days before the start of the contract term (which is the 1st day of the month)

Source: Derived from *Nymex* and *ICE* data
December 2012 Midwest Snapshot Report

Updated: December 10, 2012

Central Appalachian and Powder River Basin Coal Prices

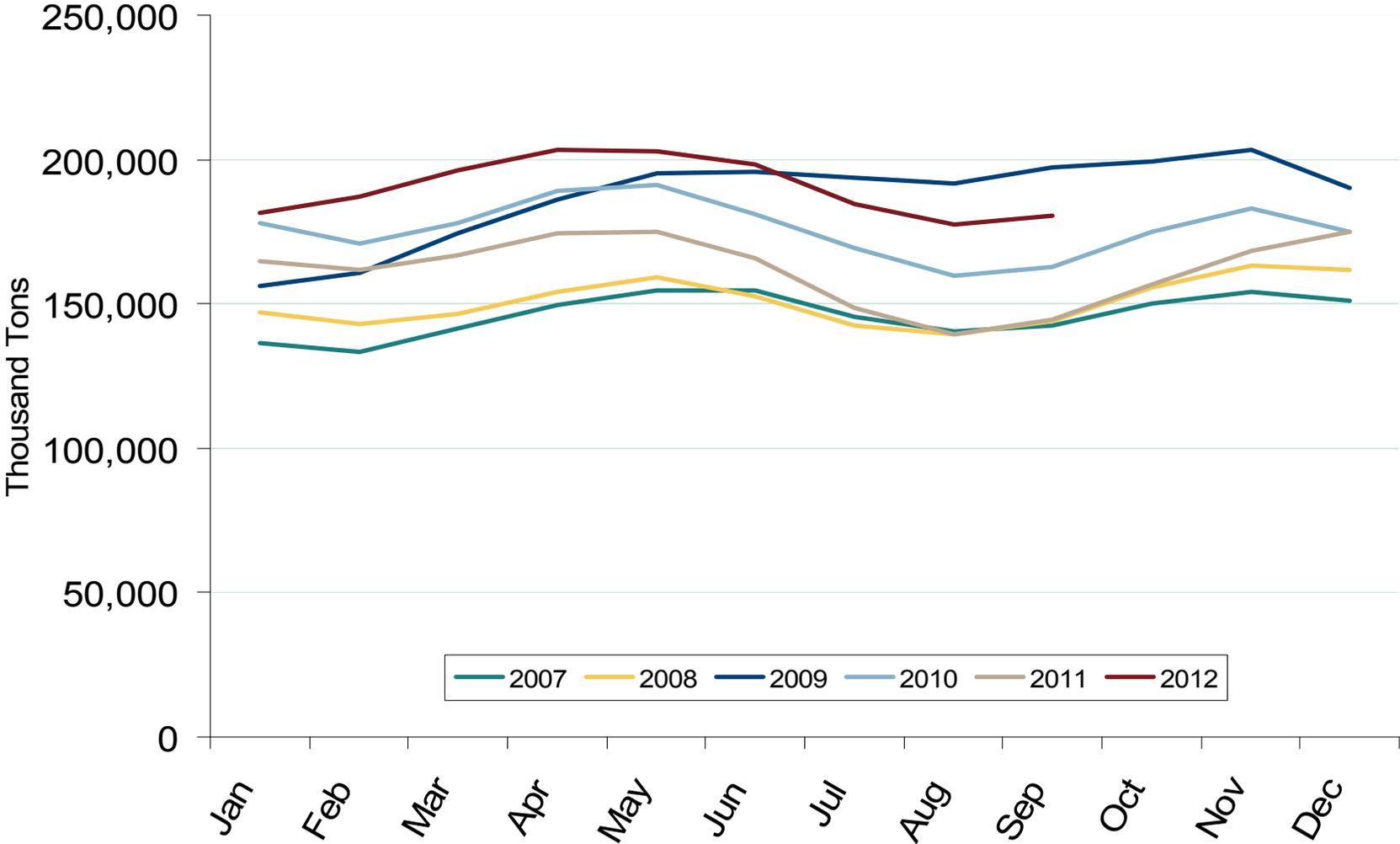


Notes: The Central Appalachian (CAPP) coal is priced at Big Sandy. All others are mine mouth prices. Prices do not include transportation costs to a plant, as those can vary widely by contract specifications. Prices exclude incremental cost of emissions allowances

Source: Derived from Bloomberg data

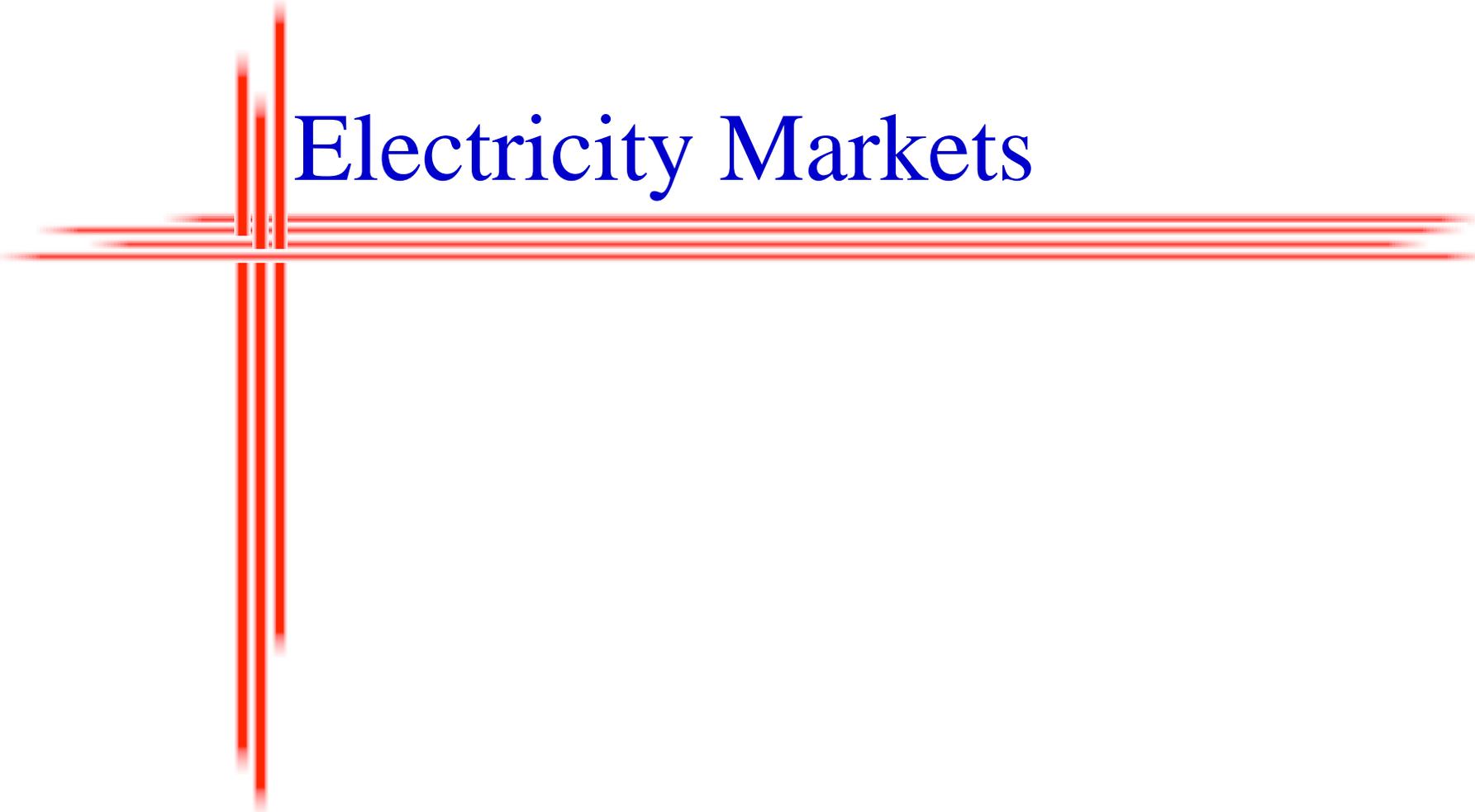
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U.S. Coal Stockpiles at Electric Power Generating Facilities



Source: Derived from EIA data. Excludes Industrial and Commercial Plants
December 2012 Midwest Snapshot Report

Updated: December 04, 2012

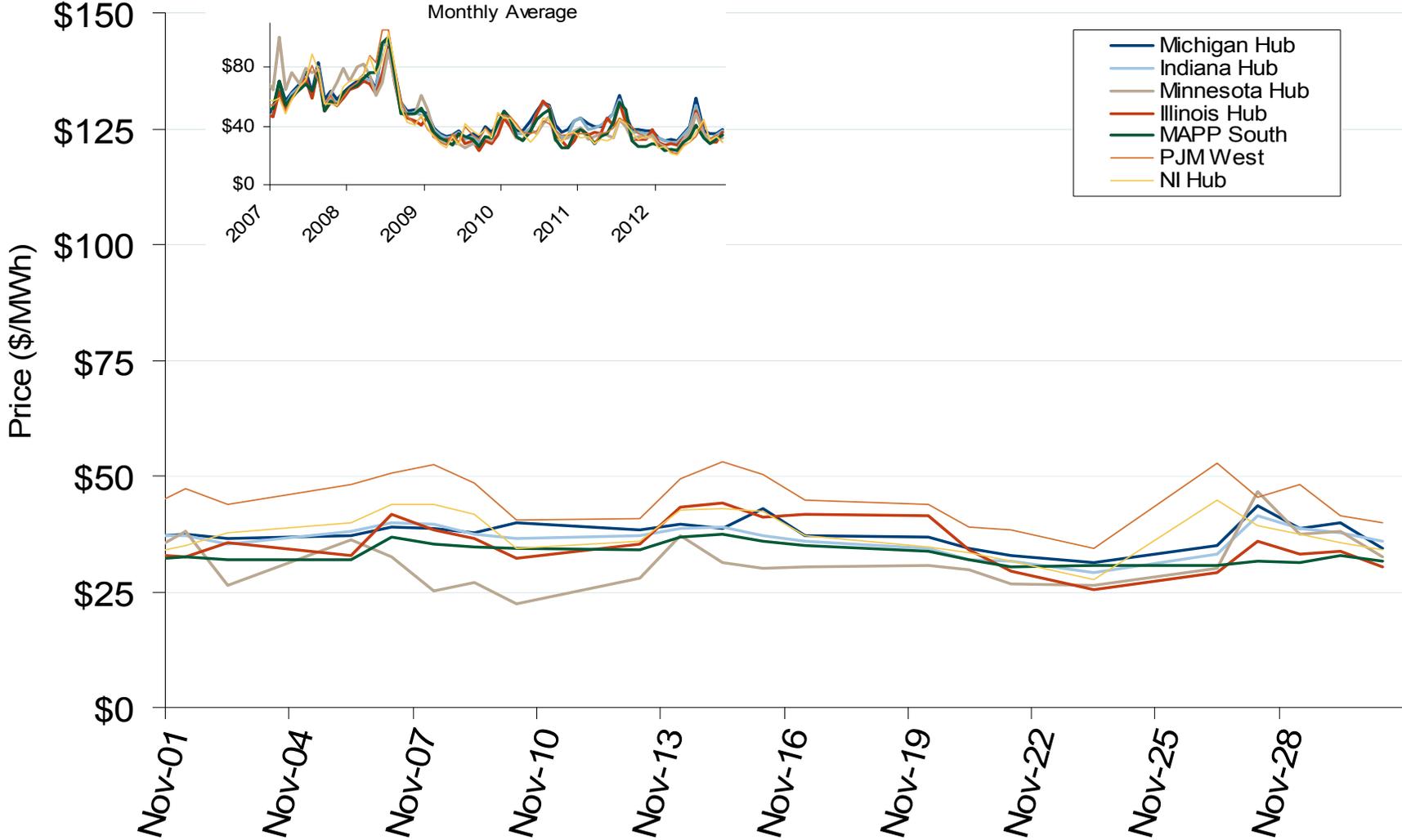


Electricity Markets

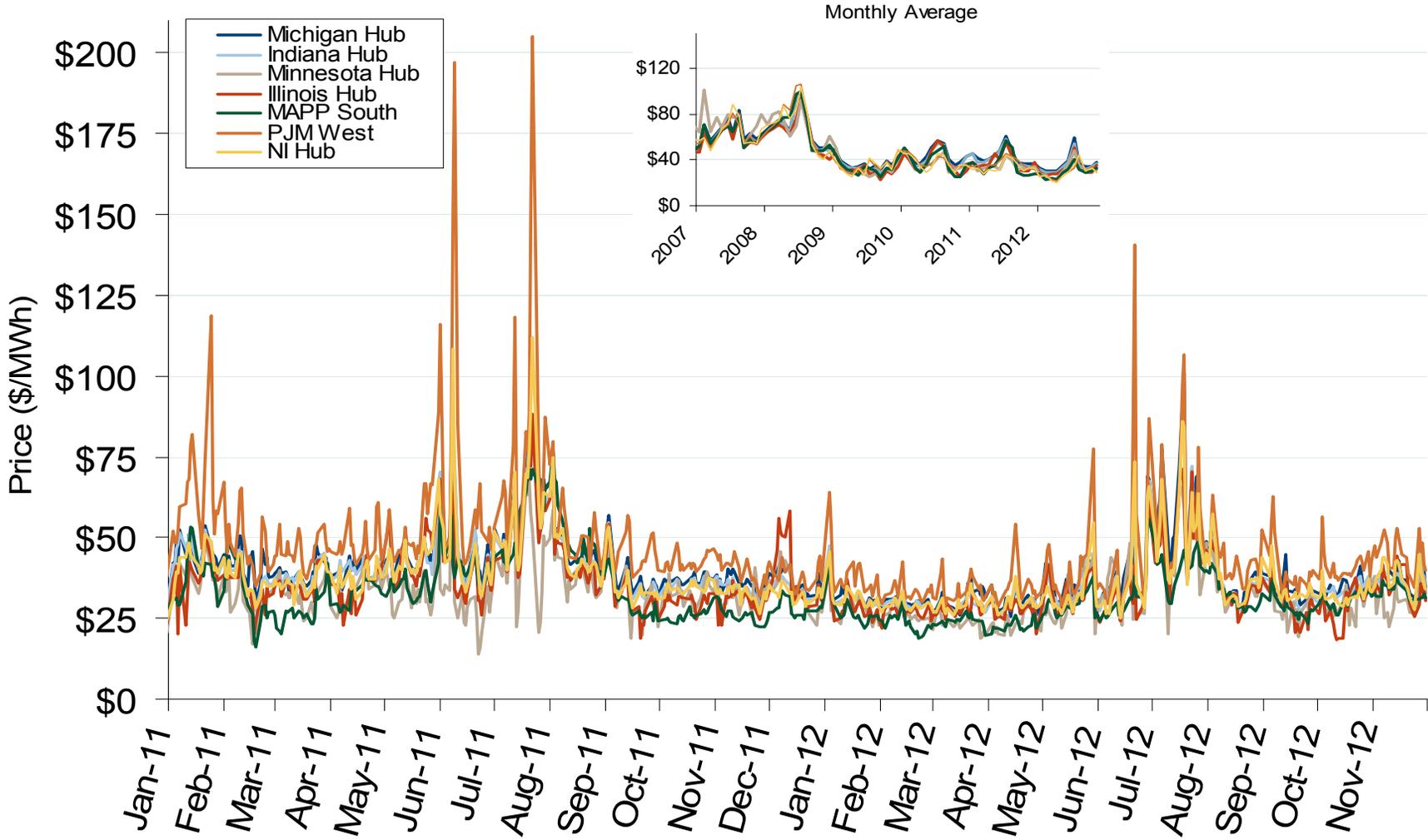
Midwest Electric Market: Last Month's MISO/PJM Index Prices

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MISO/PJM Index Day-Ahead On-Peak Prices



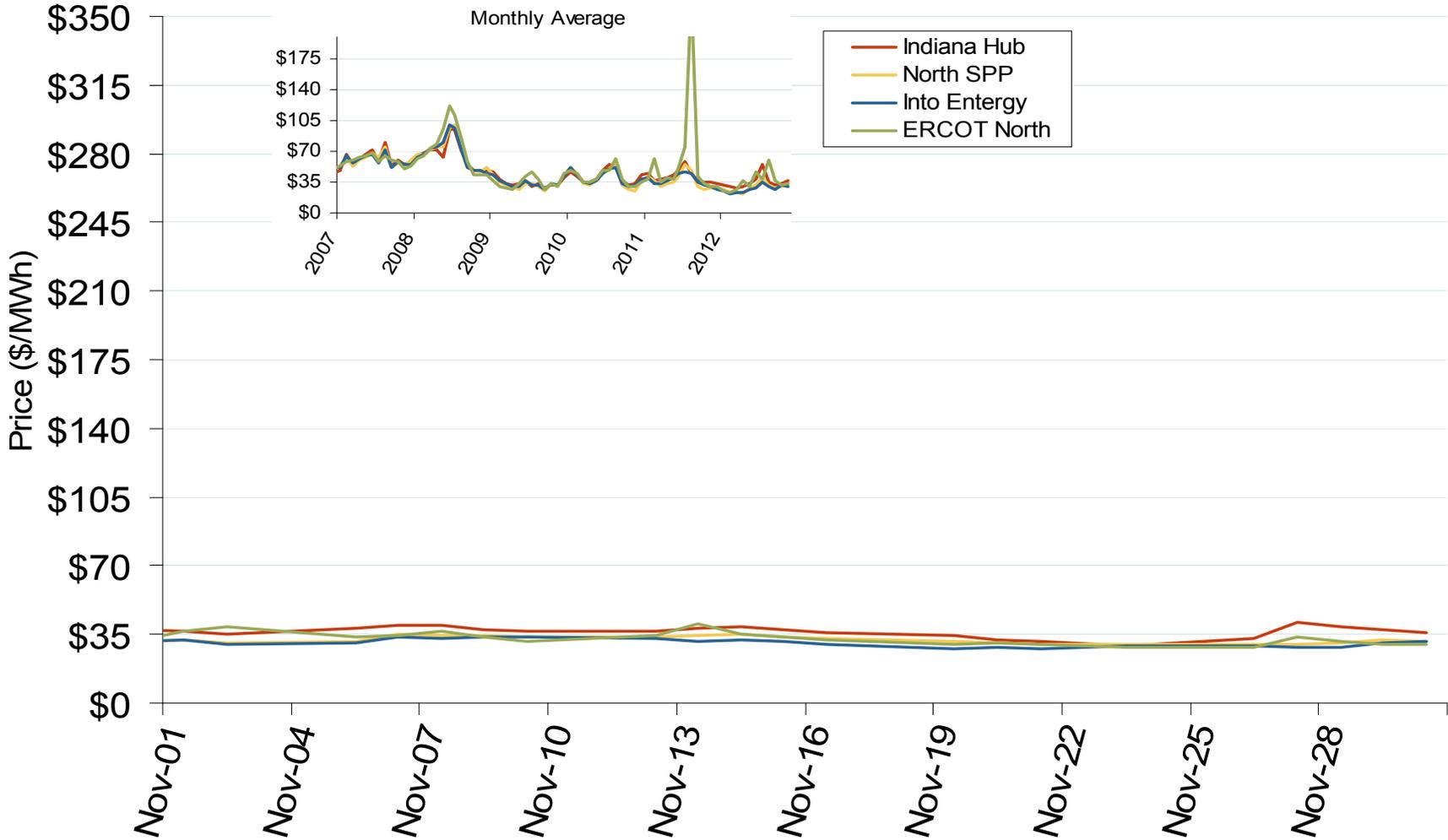
MISO/PJM Index Day-Ahead On-Peak Prices



Midwest Electric Market: Last Month's Midwestern Index Prices

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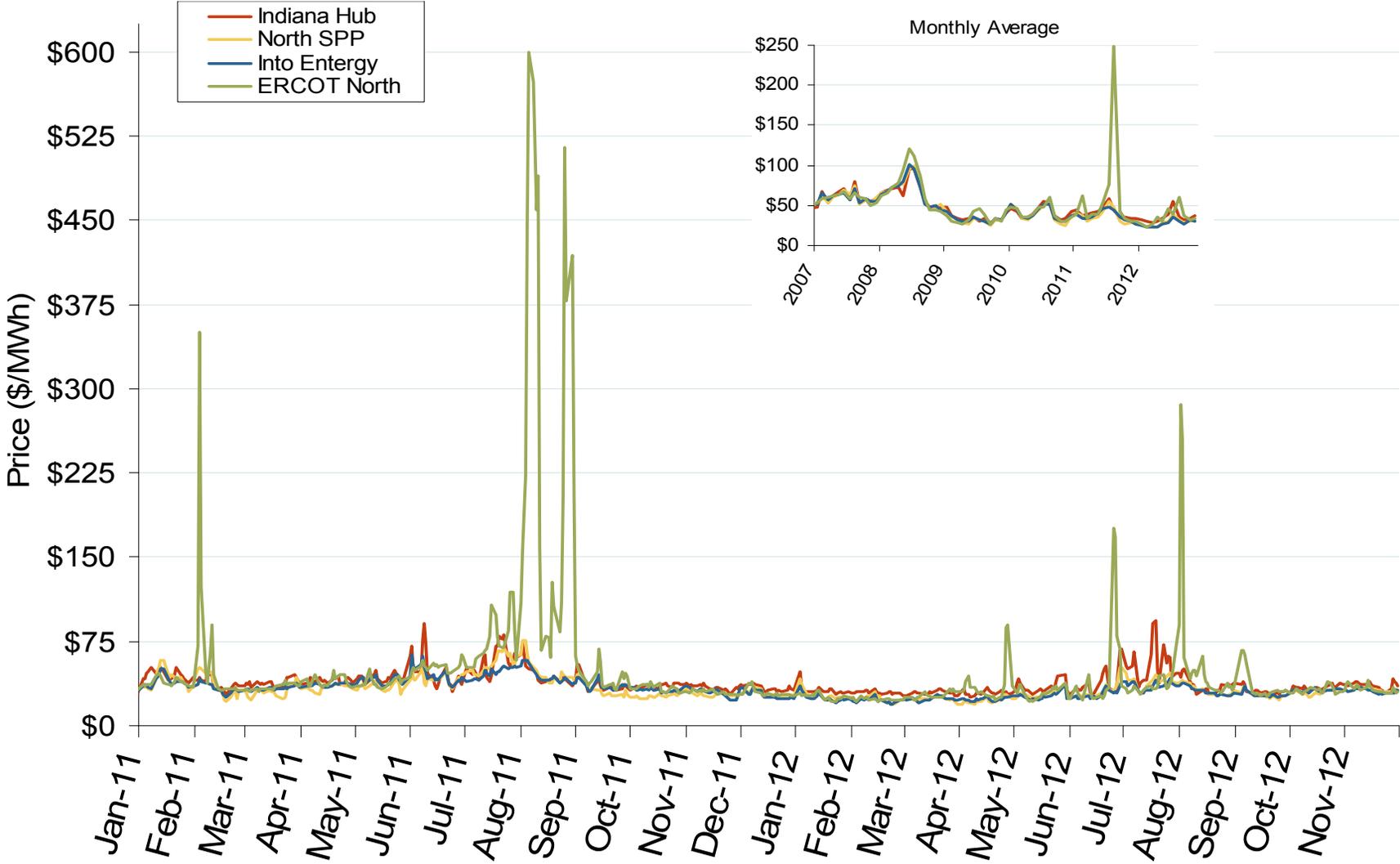
Midwestern Daily Index Day-Ahead On-Peak Prices



Southeast Electric Market: Midwestern Index Prices

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Midwestern Daily Index Day-Ahead On-Peak Prices

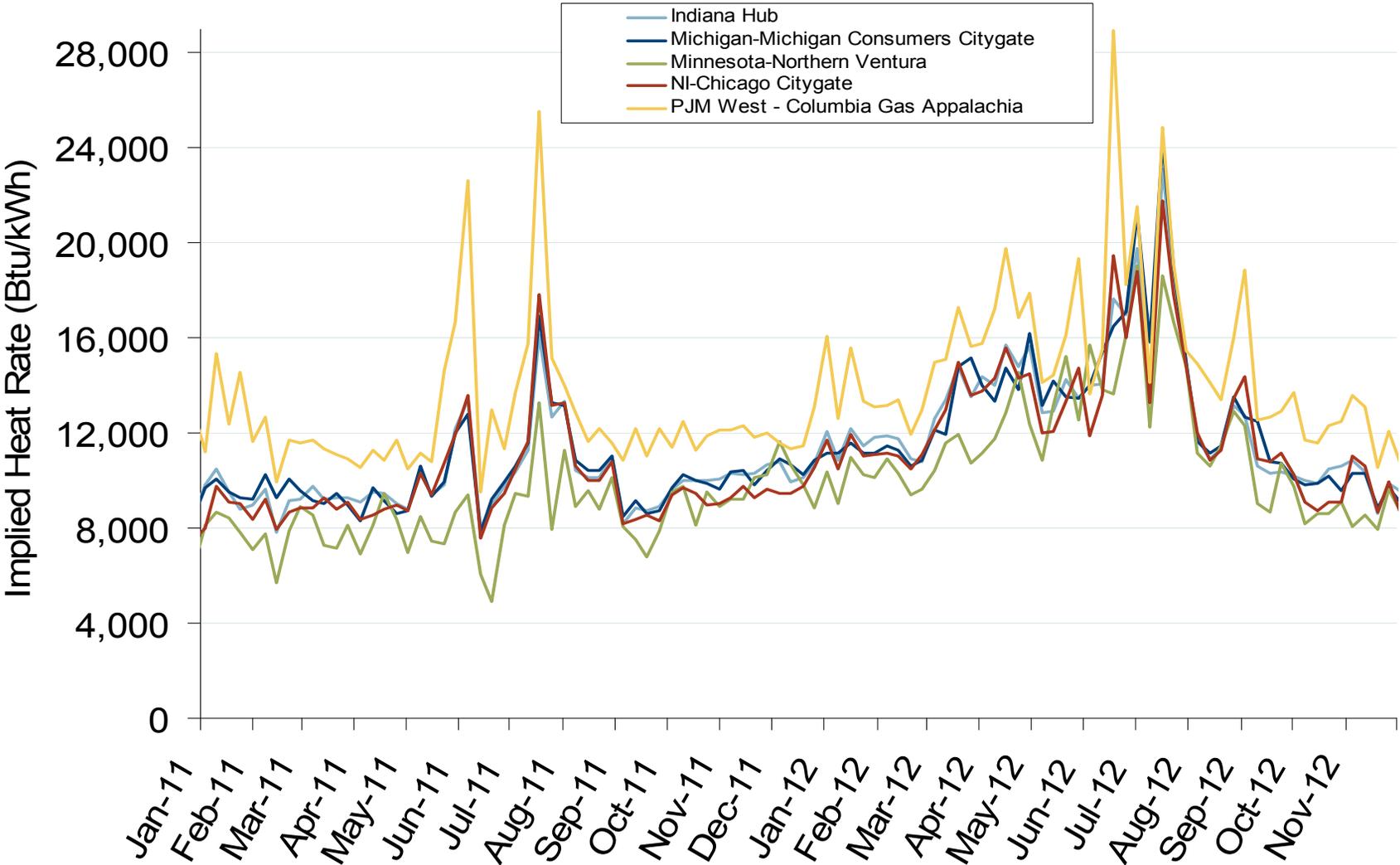


Source: Derived from *Platts* data
December 2012 Midwest Snapshot Report

Updated: December 04, 2012

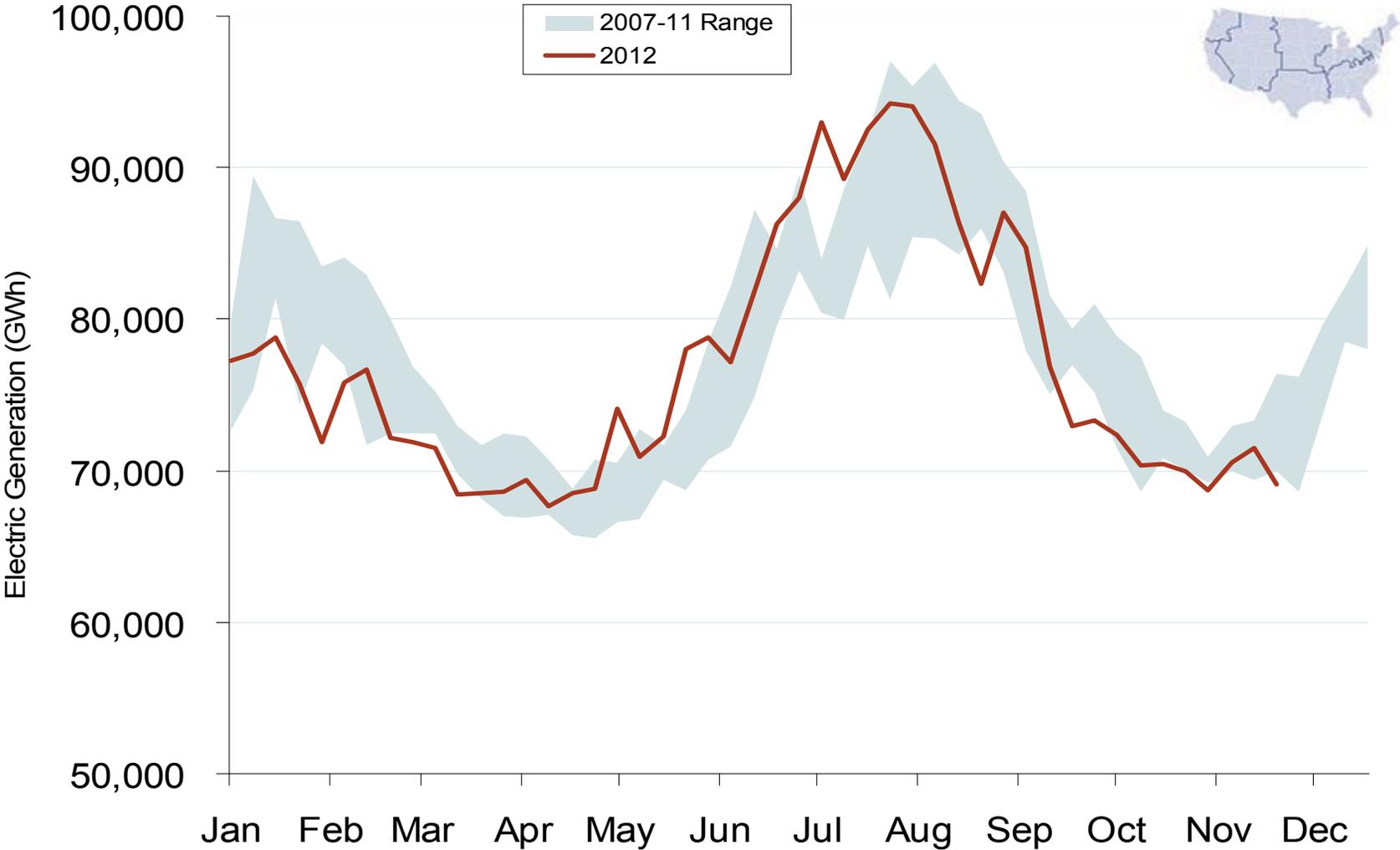
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Implied Heat Rates at MISO and PJM Hubs - Weekly Averages



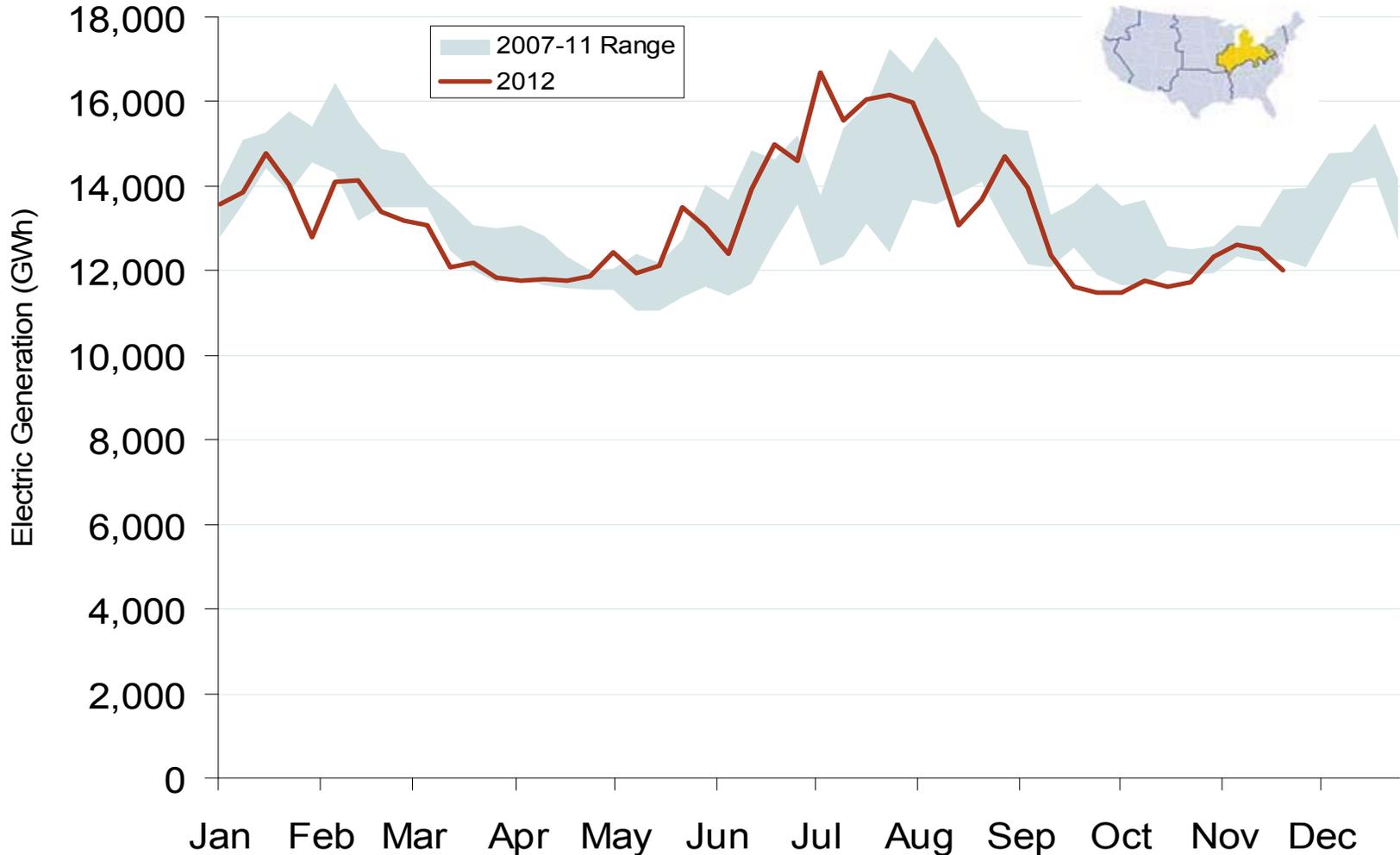
Source: Derived from Platts on-peak electric and natural gas price data
December 2012 Midwest Snapshot Report

Weekly U.S. Electric Generation Output



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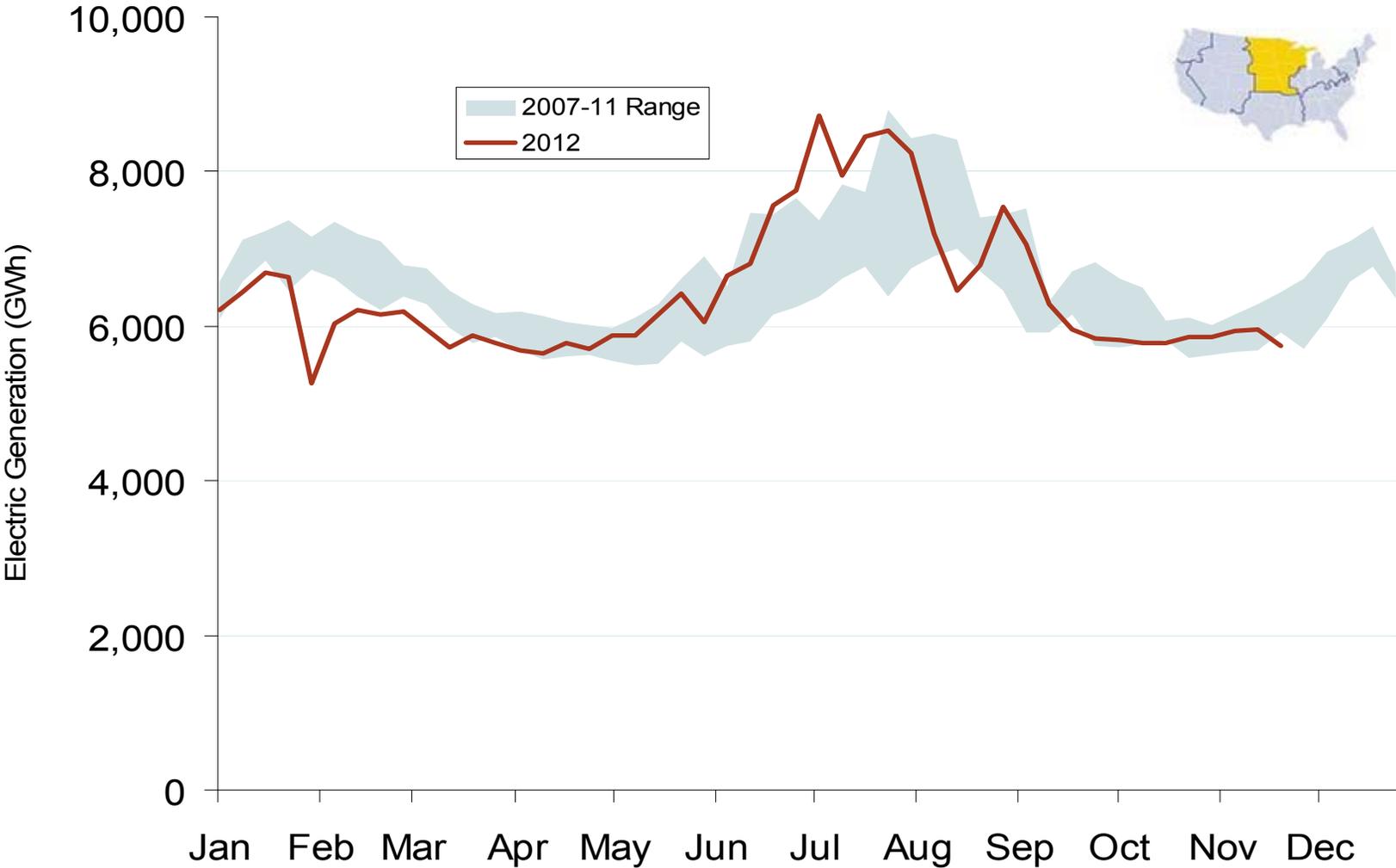
Weekly Generation Output - Central Industrial Region



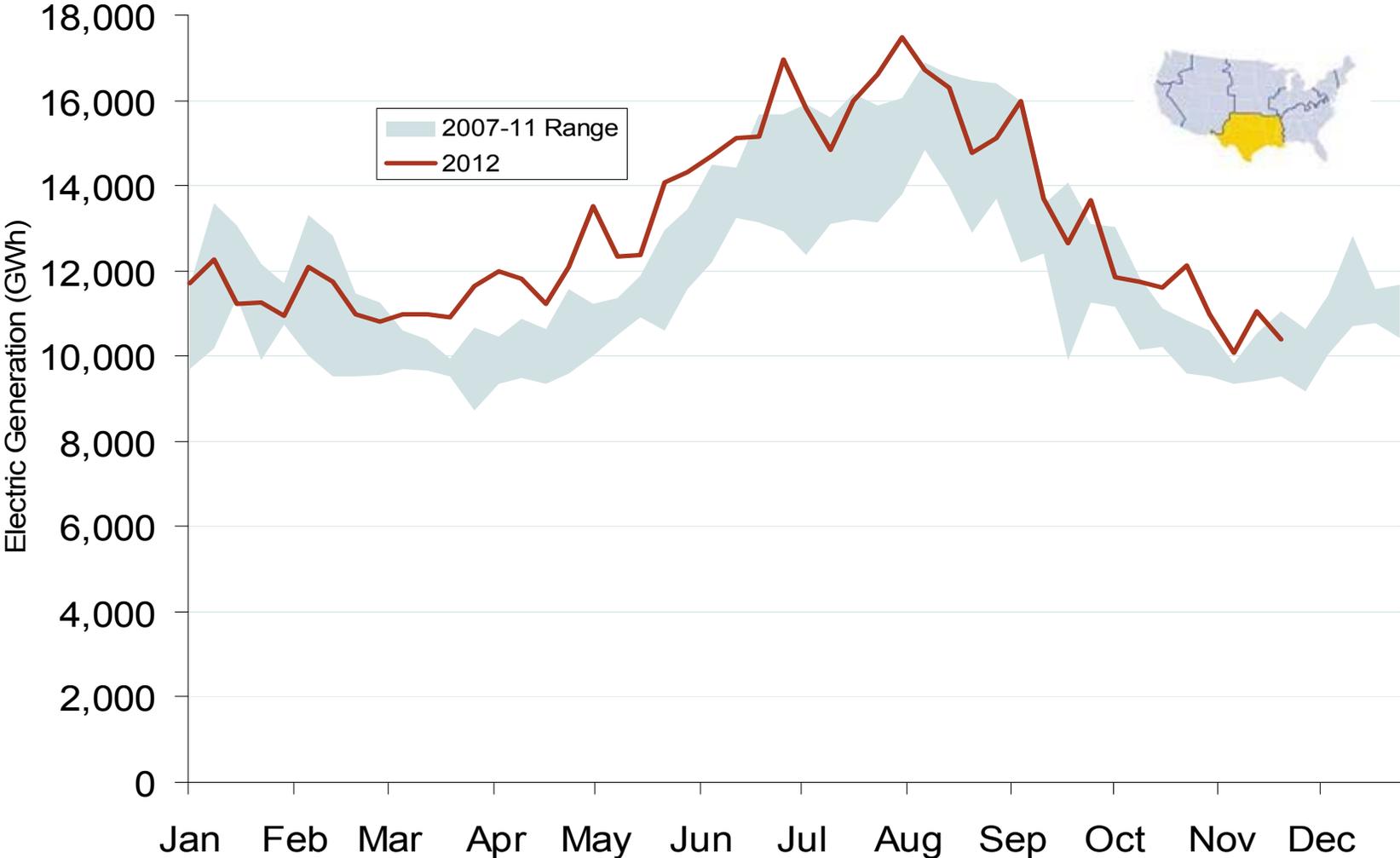
Source: Derived from *EEI* data
December 2012 Midwest Snapshot Report

Updated: December 05, 2012

Weekly Generation Output - West Central



Weekly Generation Output - South Central



Source: Derived from *EEI* data
December 2012 Midwest Snapshot Report

Updated: December 05, 2012