

# **OE ENERGY MARKET SNAPSHOT**

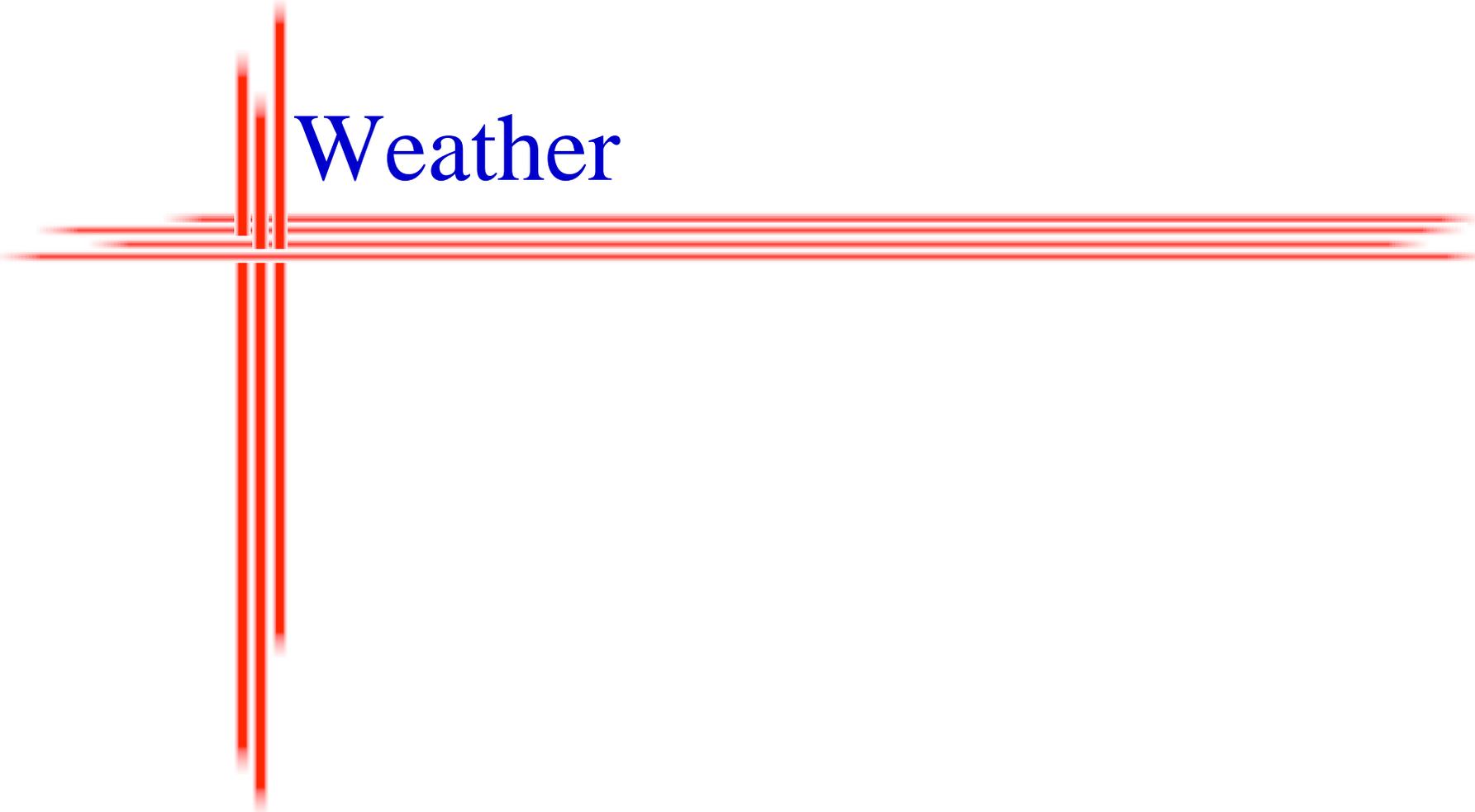
## **National Version – June 2012 Data**

Office of Enforcement  
Federal Energy Regulatory Commission  
July 2012



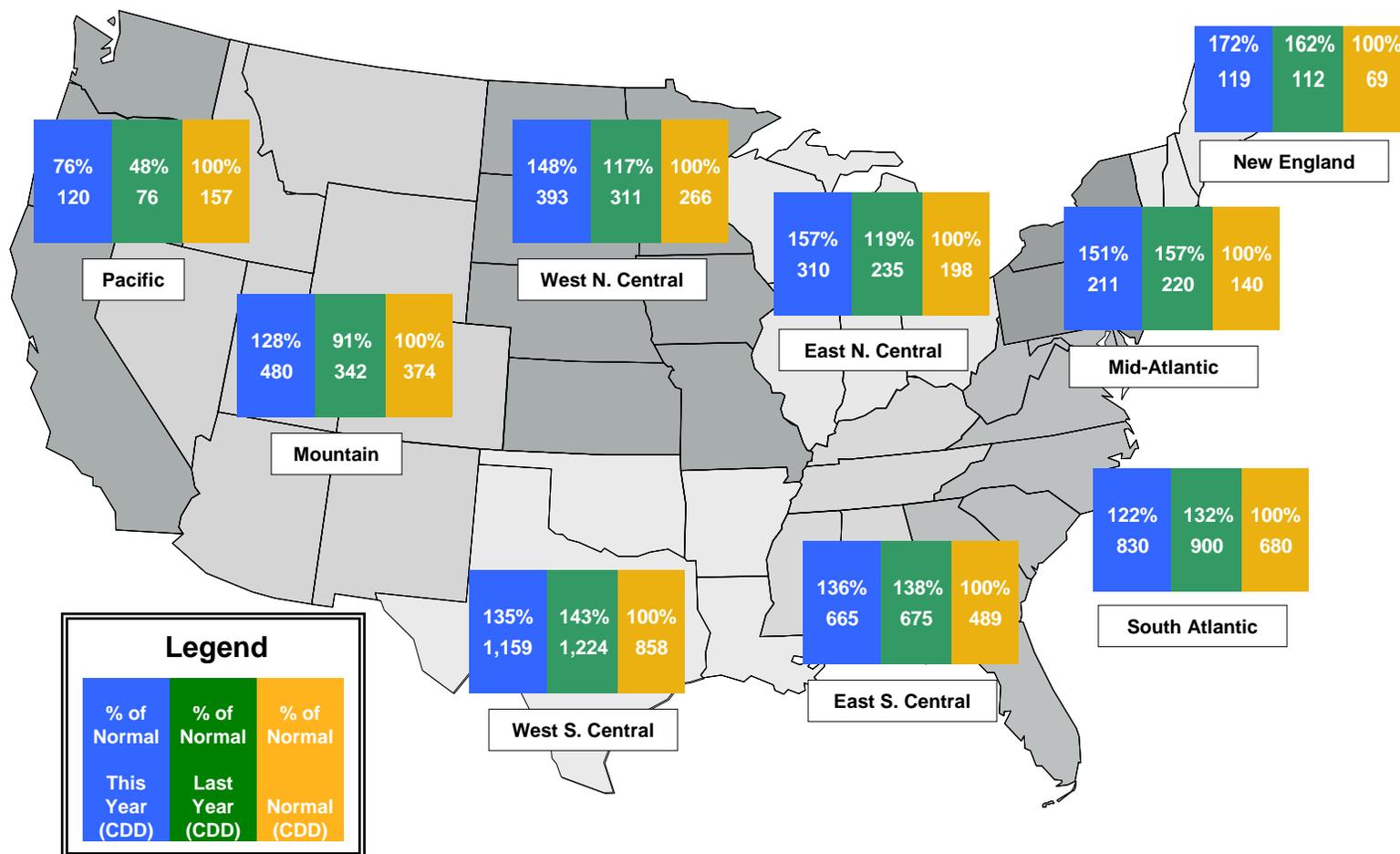
# Infrastructure Report

May Infrastructure Report



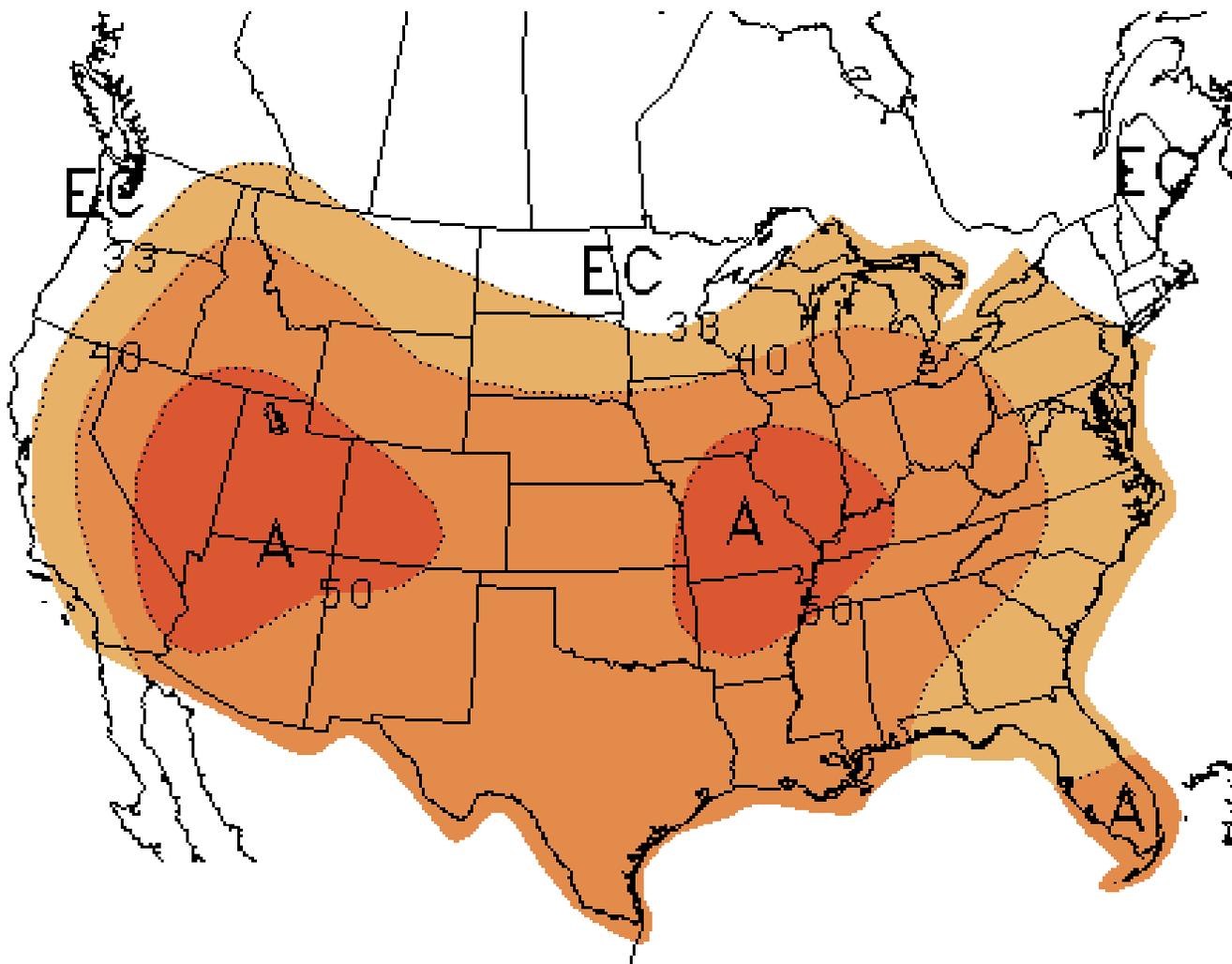
# Weather

## Regional Cooling Degree Days – January to June 2012



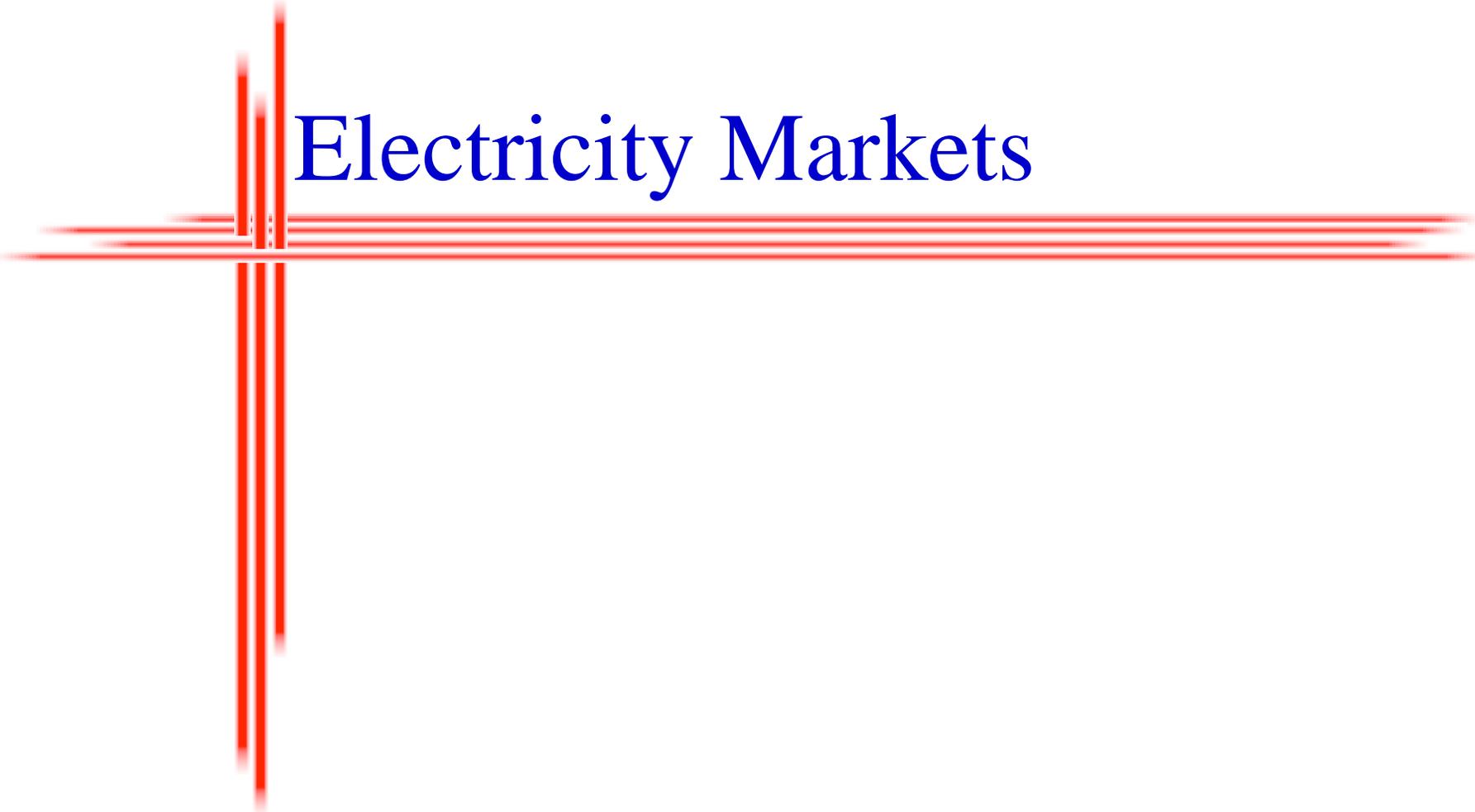
Source: Derived from NOAA data. Normal is based on a 30-year average of cooling degree day data.  
 July 2012 National Snapshot Report

## NOAA's 3 Month Temperature Forecast Made June 19, 2012, Valid for July 2012 – August 2012



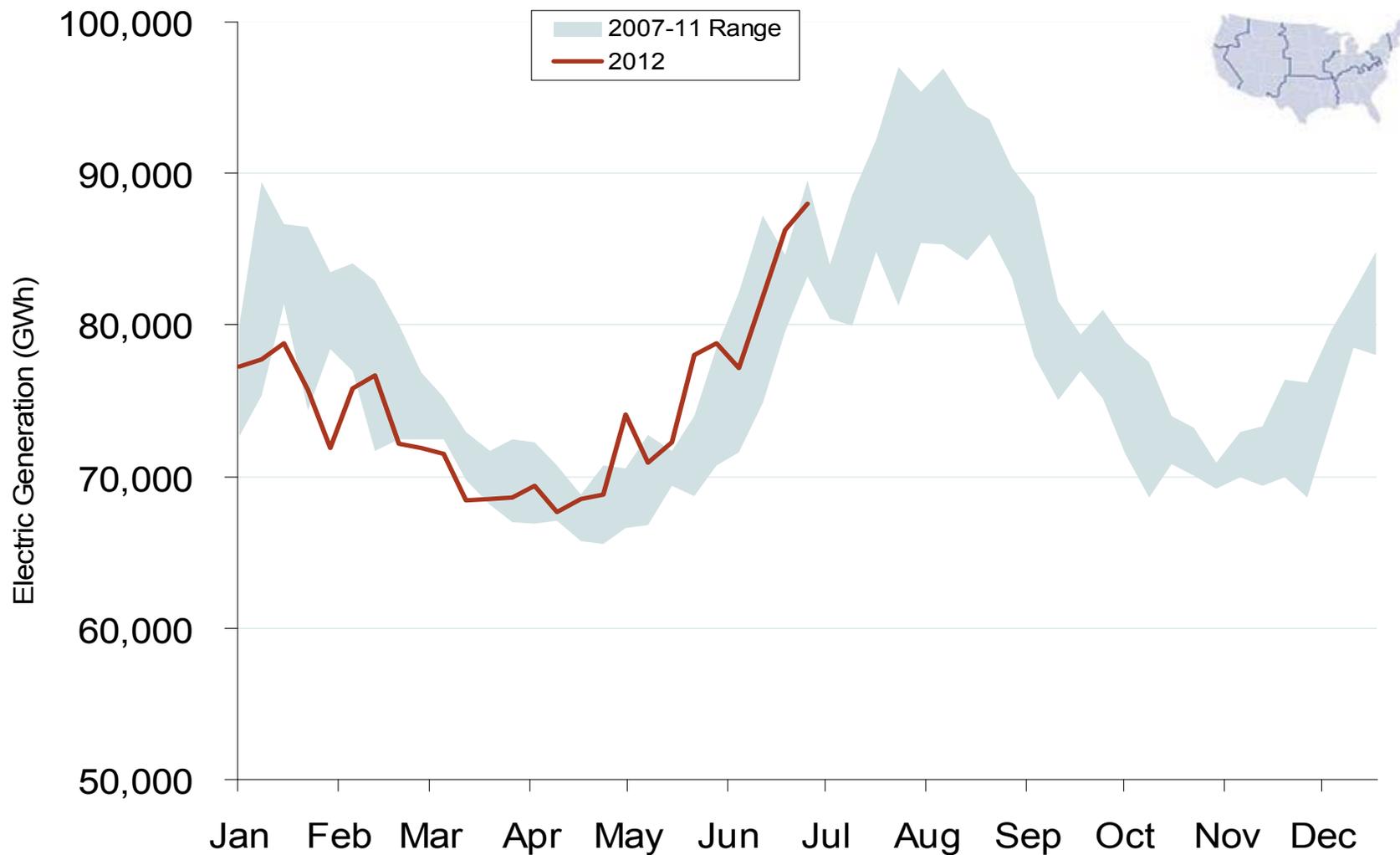
Note: "A" areas are above normal, "B" areas are below normal and "EC" means equal chance. Normal is based on the last 30 years of data.  
Source: Derived from NOAA data.

Updated: June 23, 2012

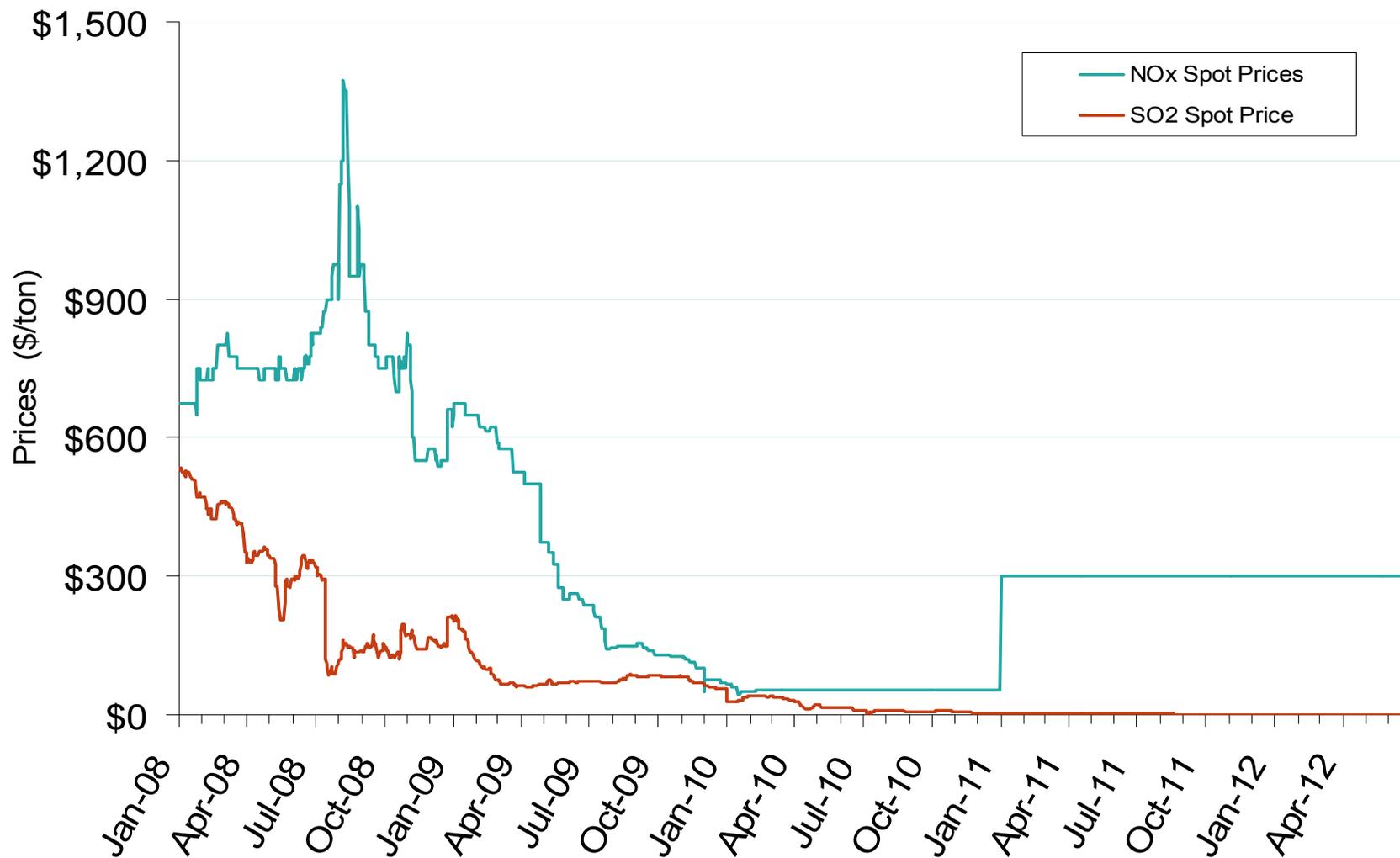


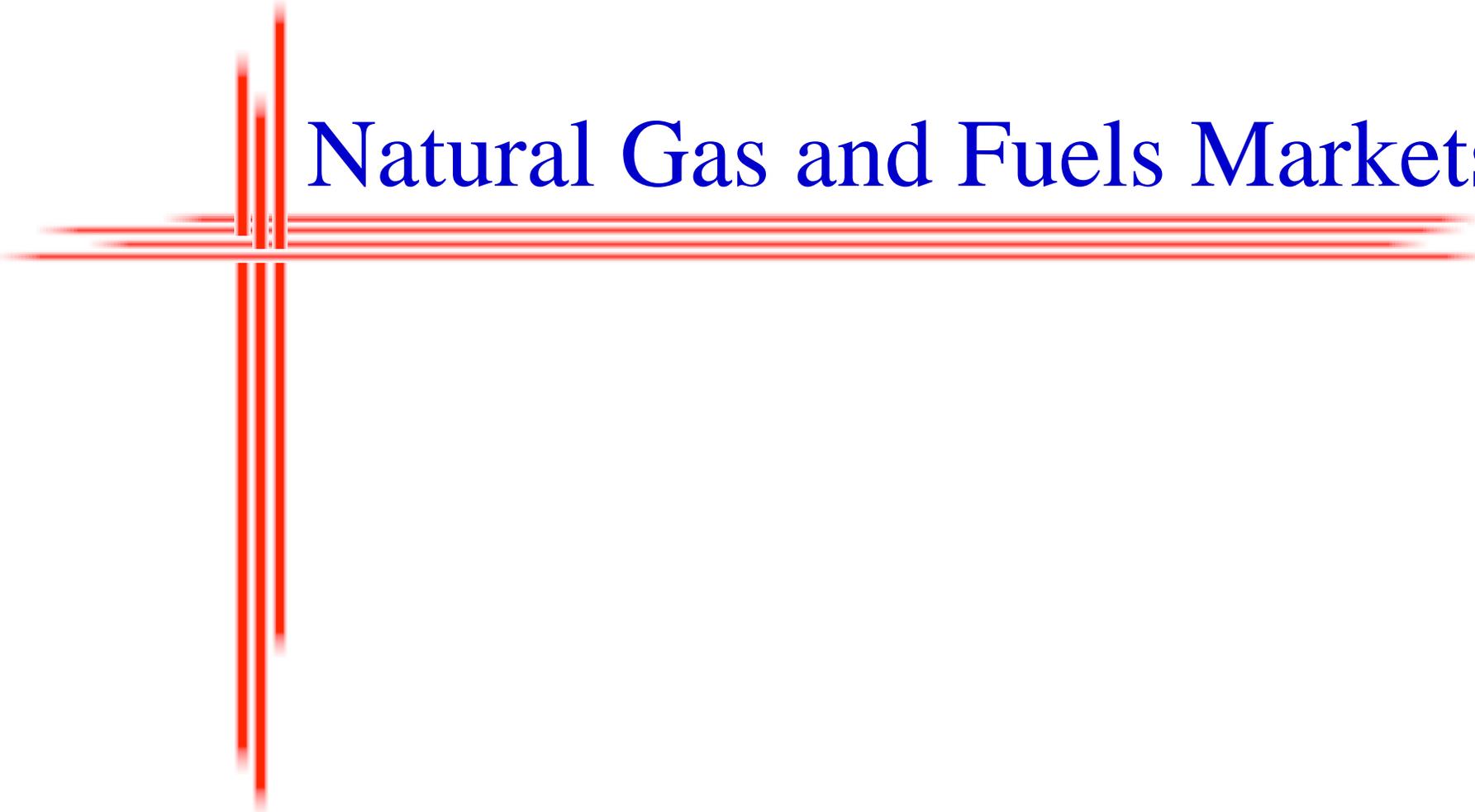
# Electricity Markets

## Weekly U.S. Electric Generation Output



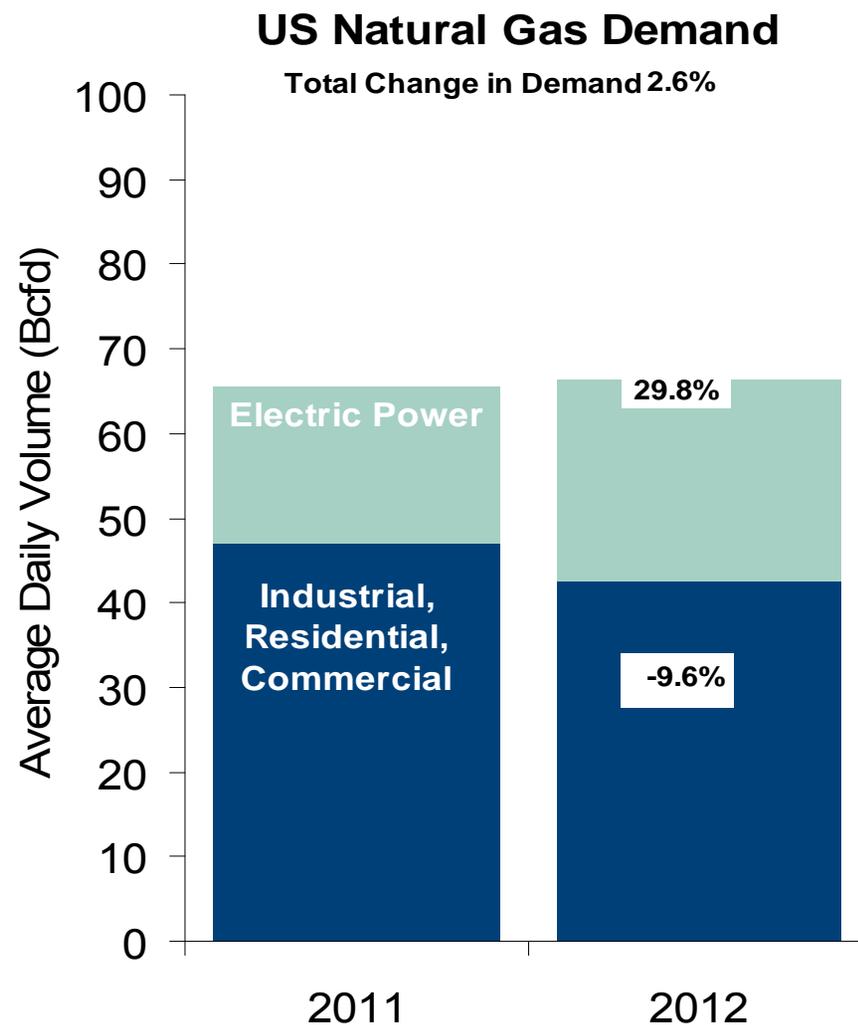
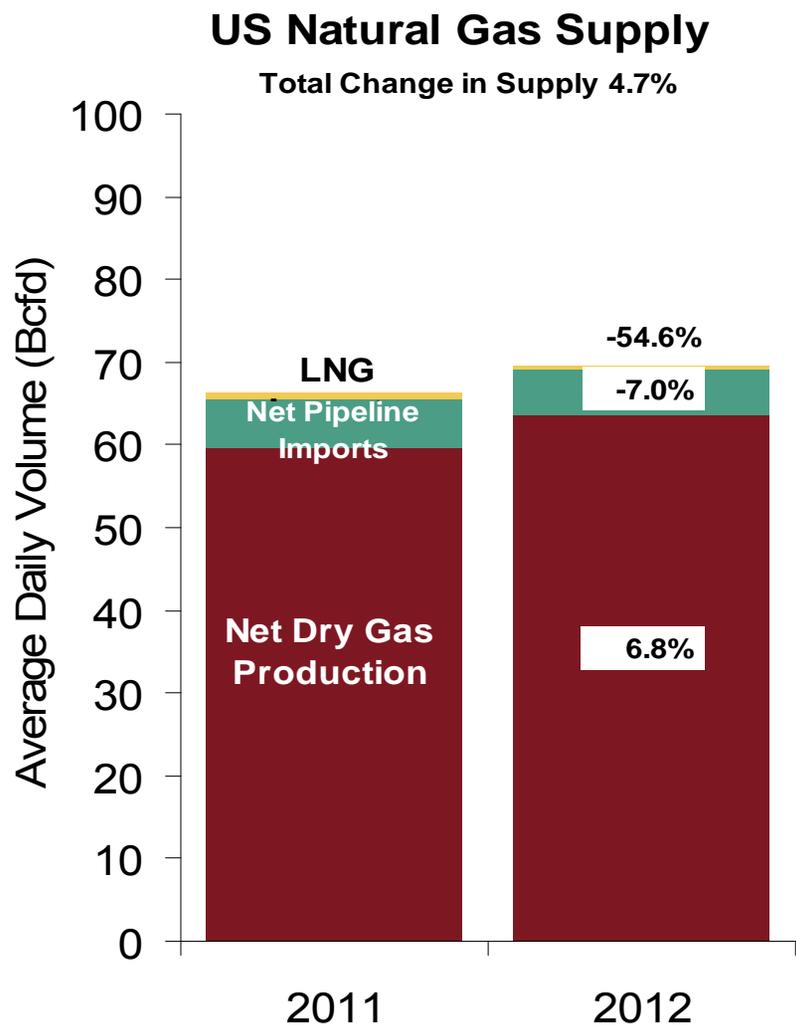
## SO2 Allowance Spot Prices and NOx Allowance Spot Prices





# Natural Gas and Fuels Markets

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



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

Source: Derived from *Bentek Energy* data

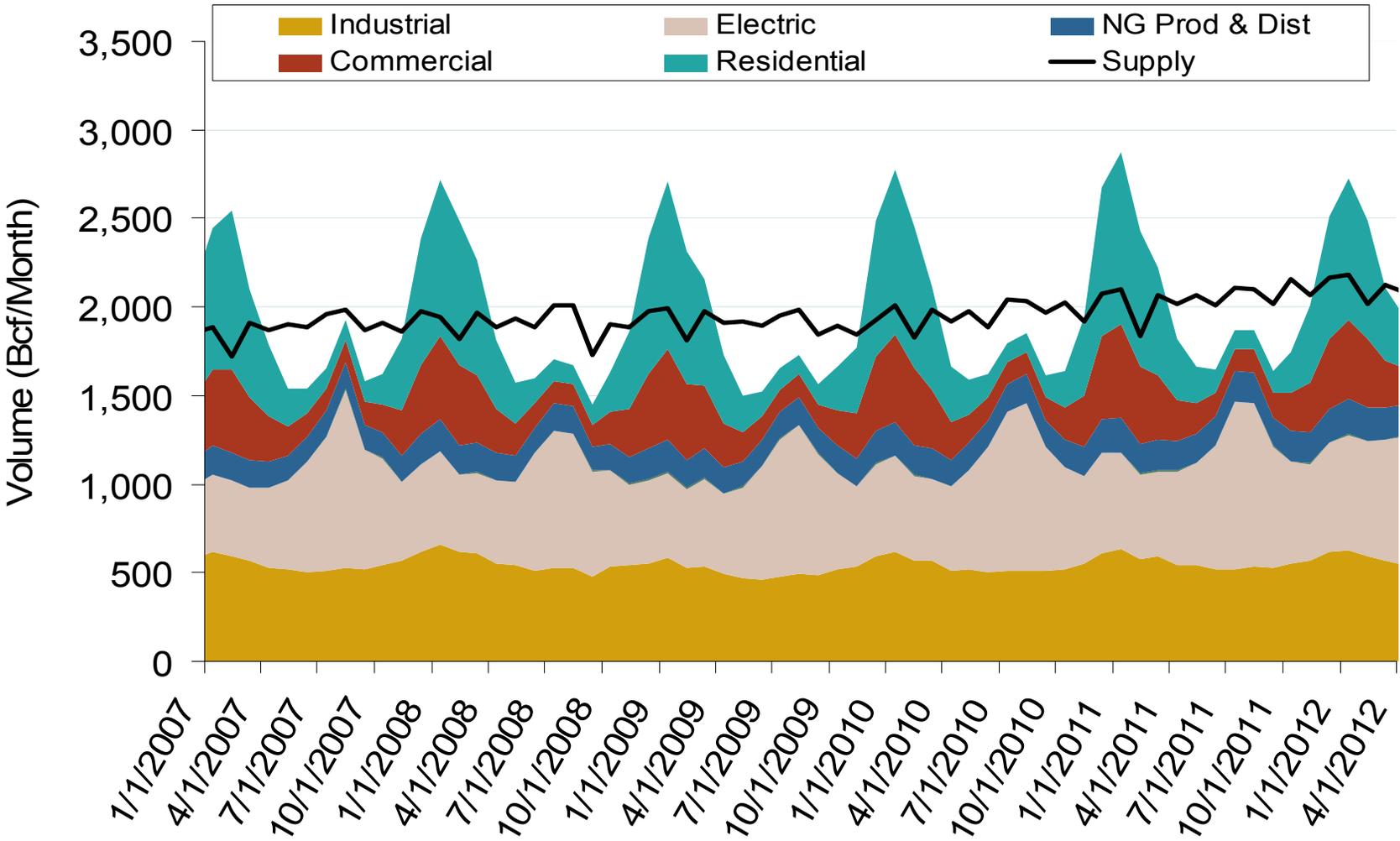
July 2012 National Snapshot Report

Updated: July 11, 2012

Natural Gas market Overview: Consumption by Sector

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)

### Annual U.S. Natural Gas Consumption by Sector



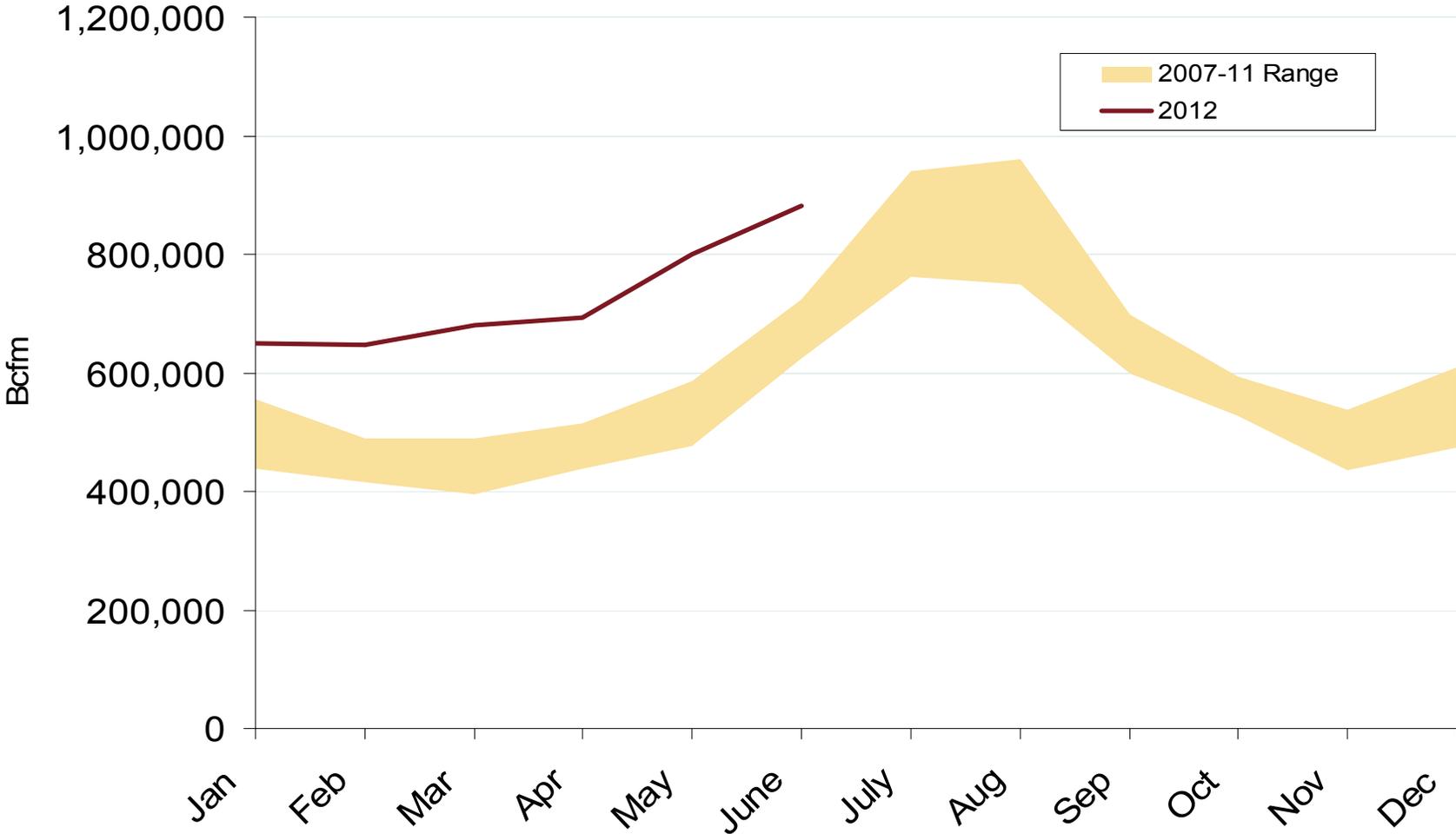
Notes: Supply includes lower 48 state production, net pipeline imports, and LNG imports

Source: Derived from EIA data

Natural Gas Market Overview: NG Consumption for Power Generation

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)

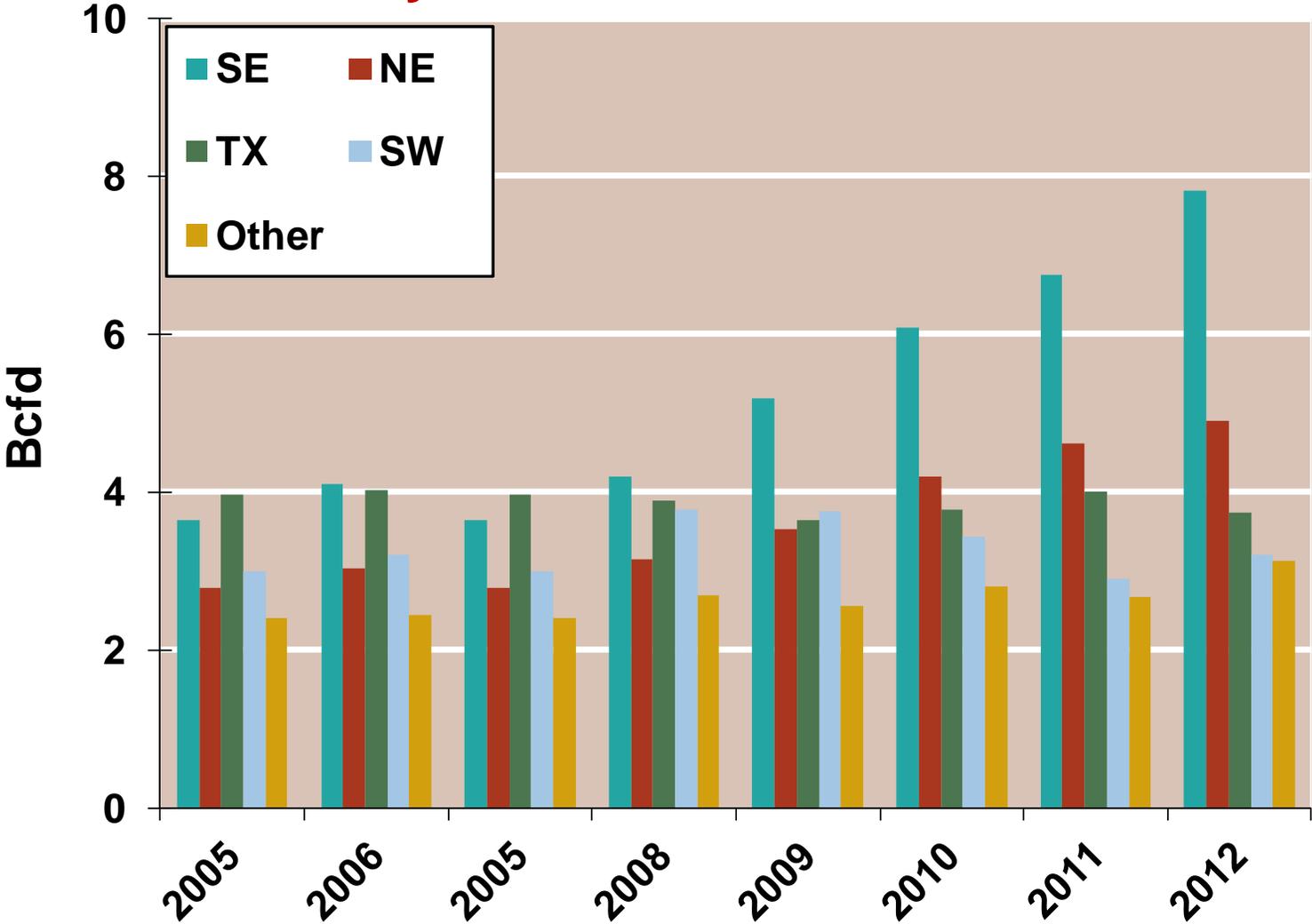
# U.S. Natural Gas Consumption for Power Generation



Source: Derived from *Bentek Energy* data  
July 2012 National Snapshot Report

Updated: July 11, 2012

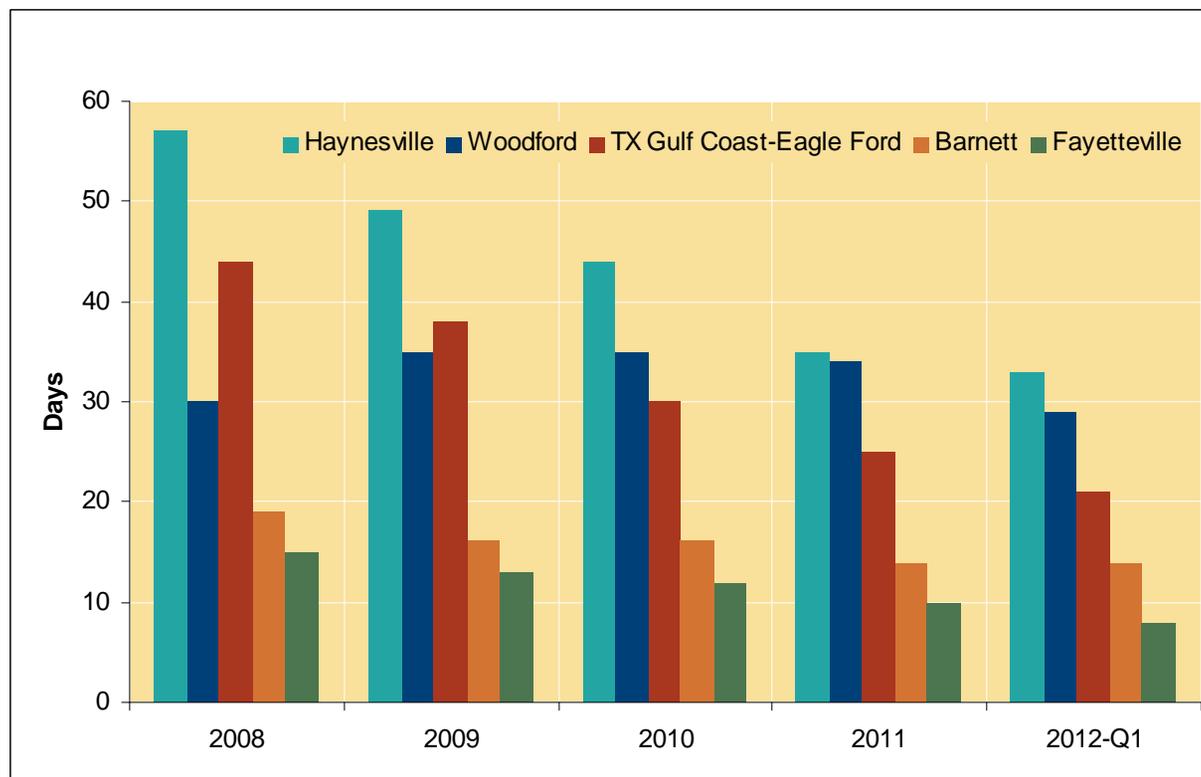
# The Southeast Drives Gas Power Burn by U.S. Power Generators



Source: Derived from Bentek Energy data.

Updated June 2012

## Well Drill Times Continue to Decline



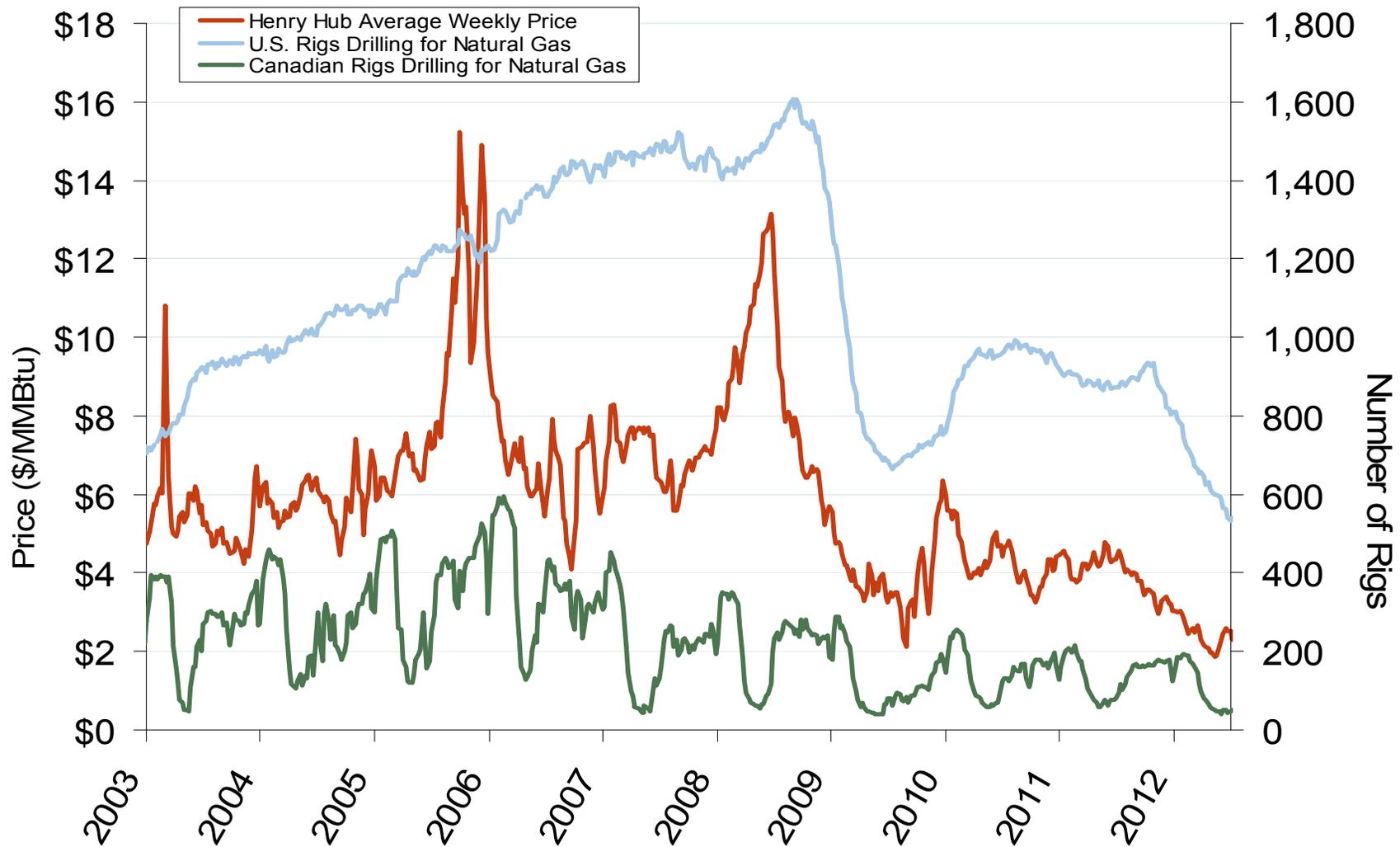
Source: Derived from Bentek Southeast/Gulf Production Monitor

Updated March 5, 2010

Natural Gas Market Overview: Drilling Rig Count

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)

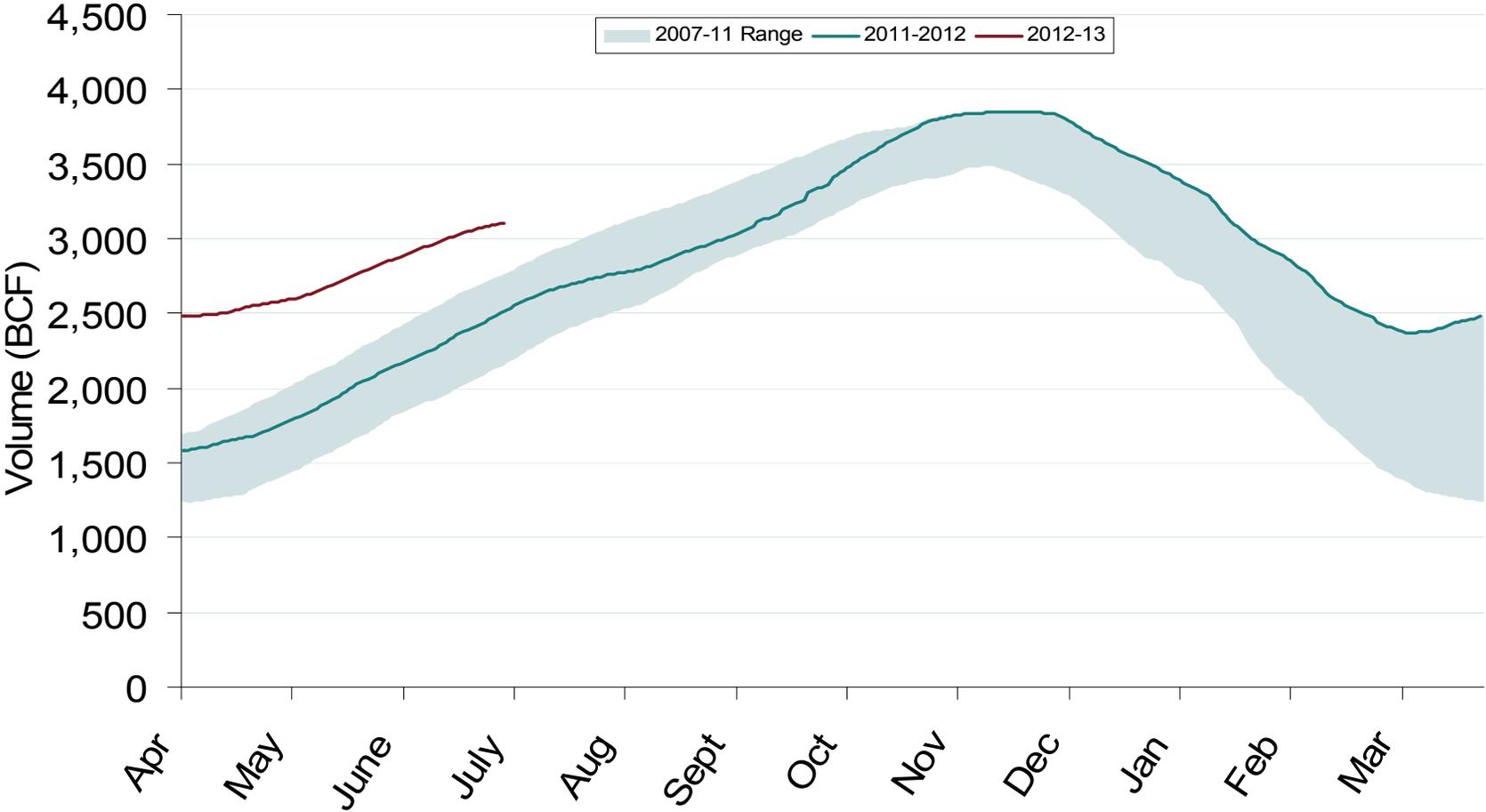
## U.S. and Canadian NG Drilling Rig Count and Daily Spot Prices



Source: Derived from *Platts* and *Baker Hughes* data  
 July 2012 National Snapshot Report

Updated: July 17, 2012

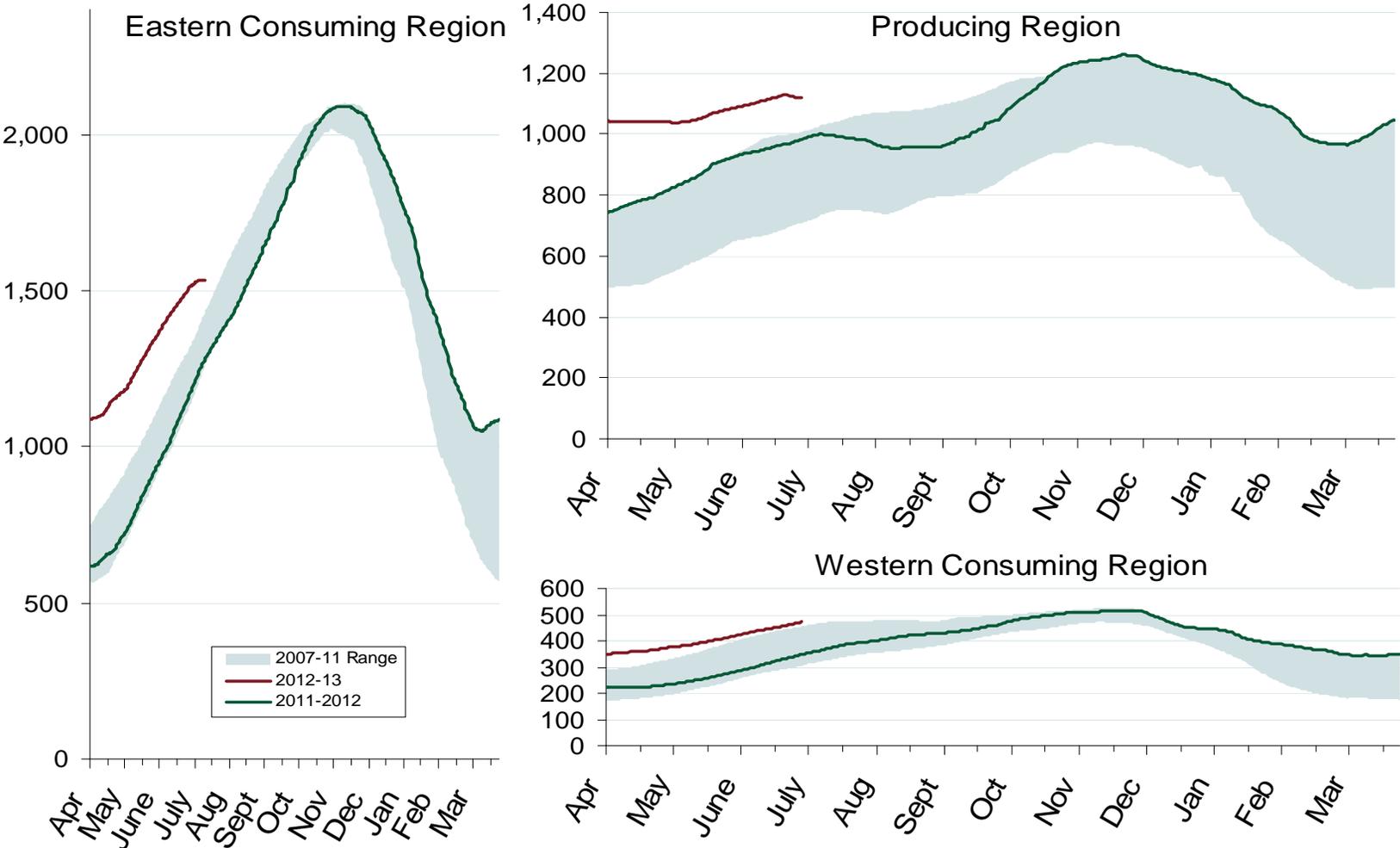
### Total U.S. Working Gas in Storage



Source: Derived from EIA data  
July 2012 National Snapshot Report

Updated: July 12, 2012

# Regional Totals of Working Gas in Storage



Source: Derived from EIA data  
July 2012 National Snapshot Report

Updated: July 12, 2012

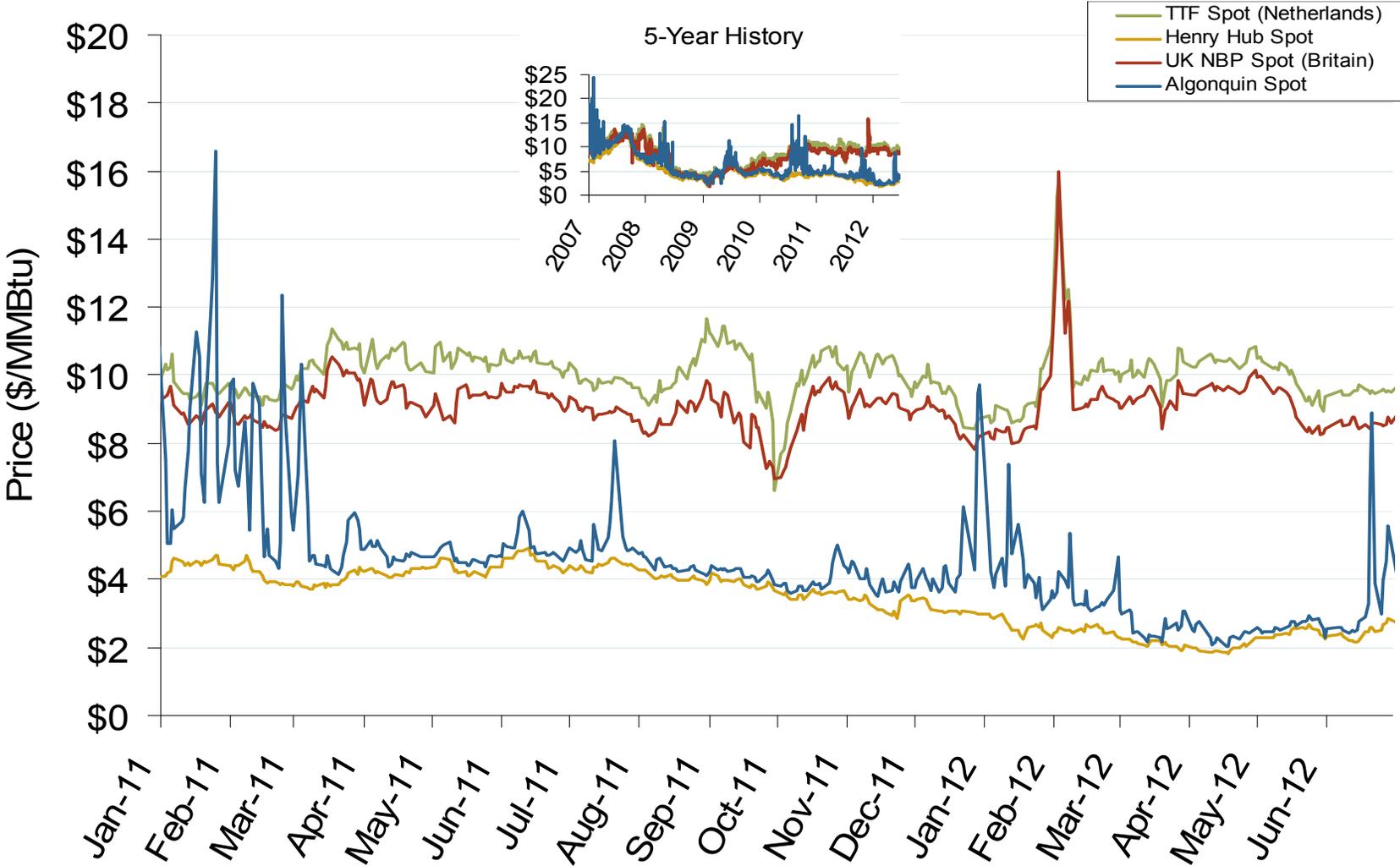
## Natural Gas Overview: World LNG Prices

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)**World LNG Estimated August 2012 Landed Prices**Source: *Waterborne Energy, Inc.* Data in \$US/MMBtu

July 2012 National Snapshot Report

Updated: July 11, 2012

# Atlantic Basin European and US Spot Natural Gas Prices



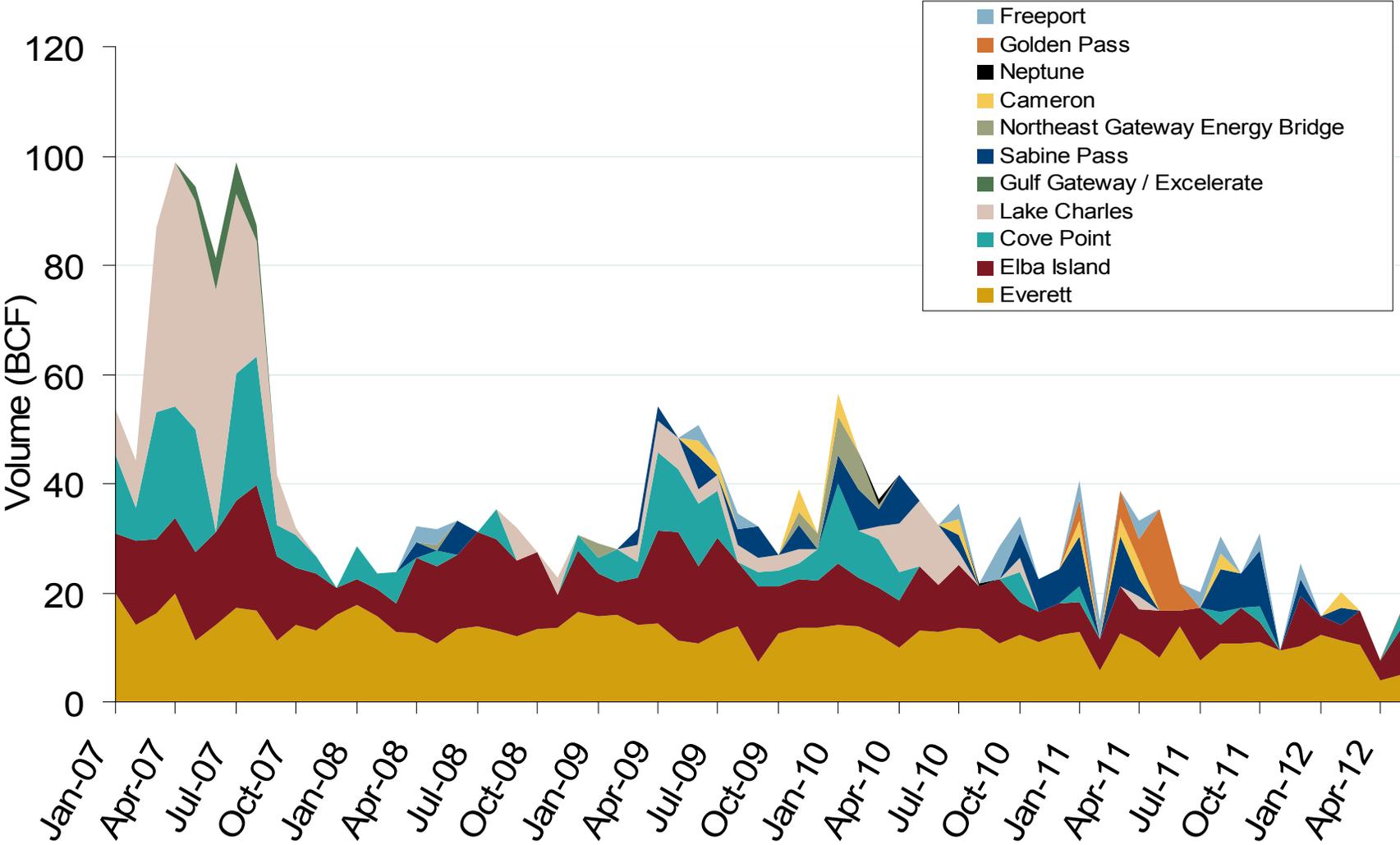
Source: Derived from *Bloomberg* and *ICE* data  
July 2012 National Snapshot Report

Updated: July 13, 2012

Natural Gas Overview: Monthly LNG Imports

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)

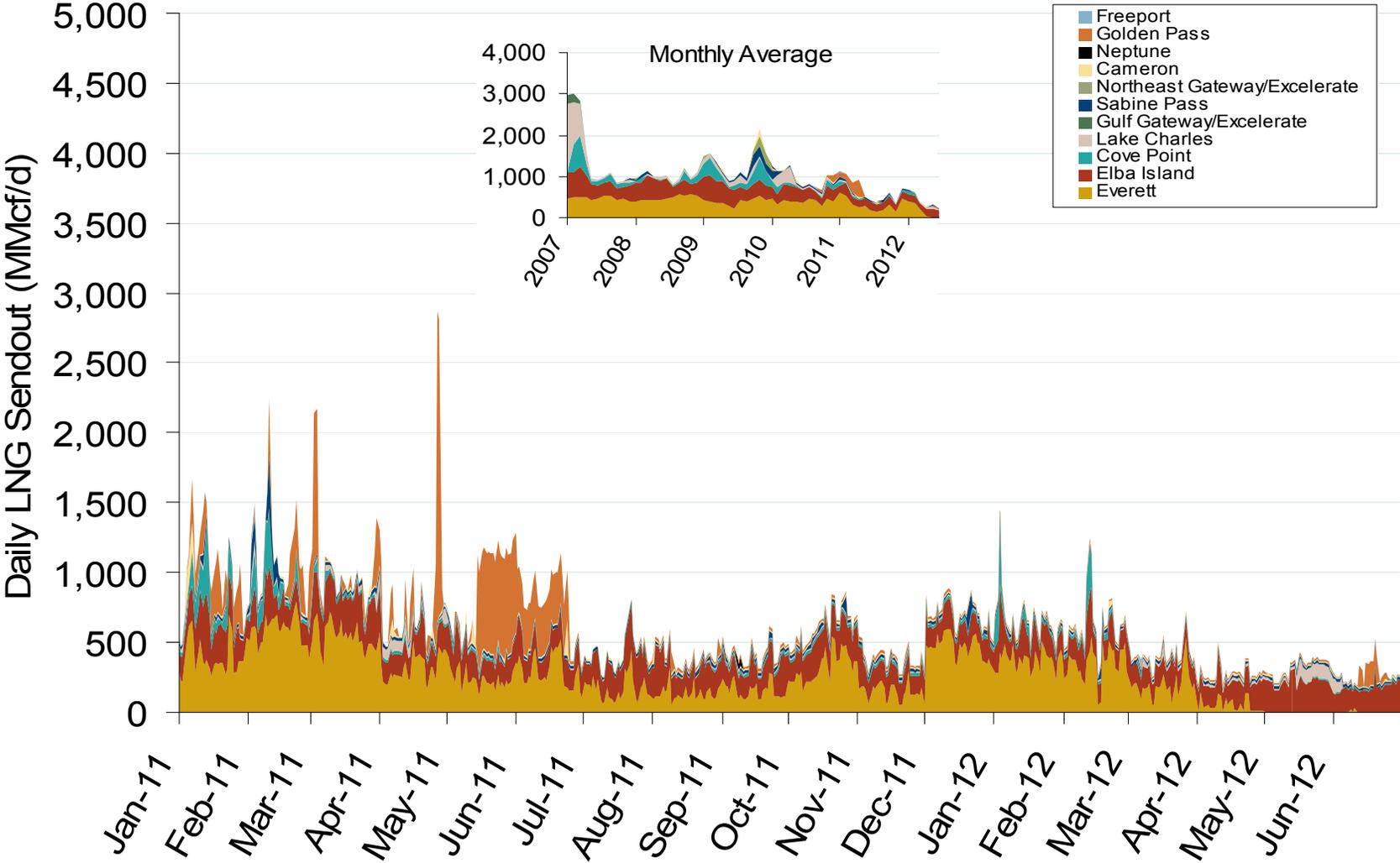
### Monthly Gas Imports at Existing U.S. LNG Facilities



Source: Derived from DOE Office of Fossil Energy data  
July 2012 National Snapshot Report

Updated: July 12, 2012

### Daily Gas Sendout from Existing 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 Freeport LNG which flows via intrastate pipelines

Source: Derived from Bentek data

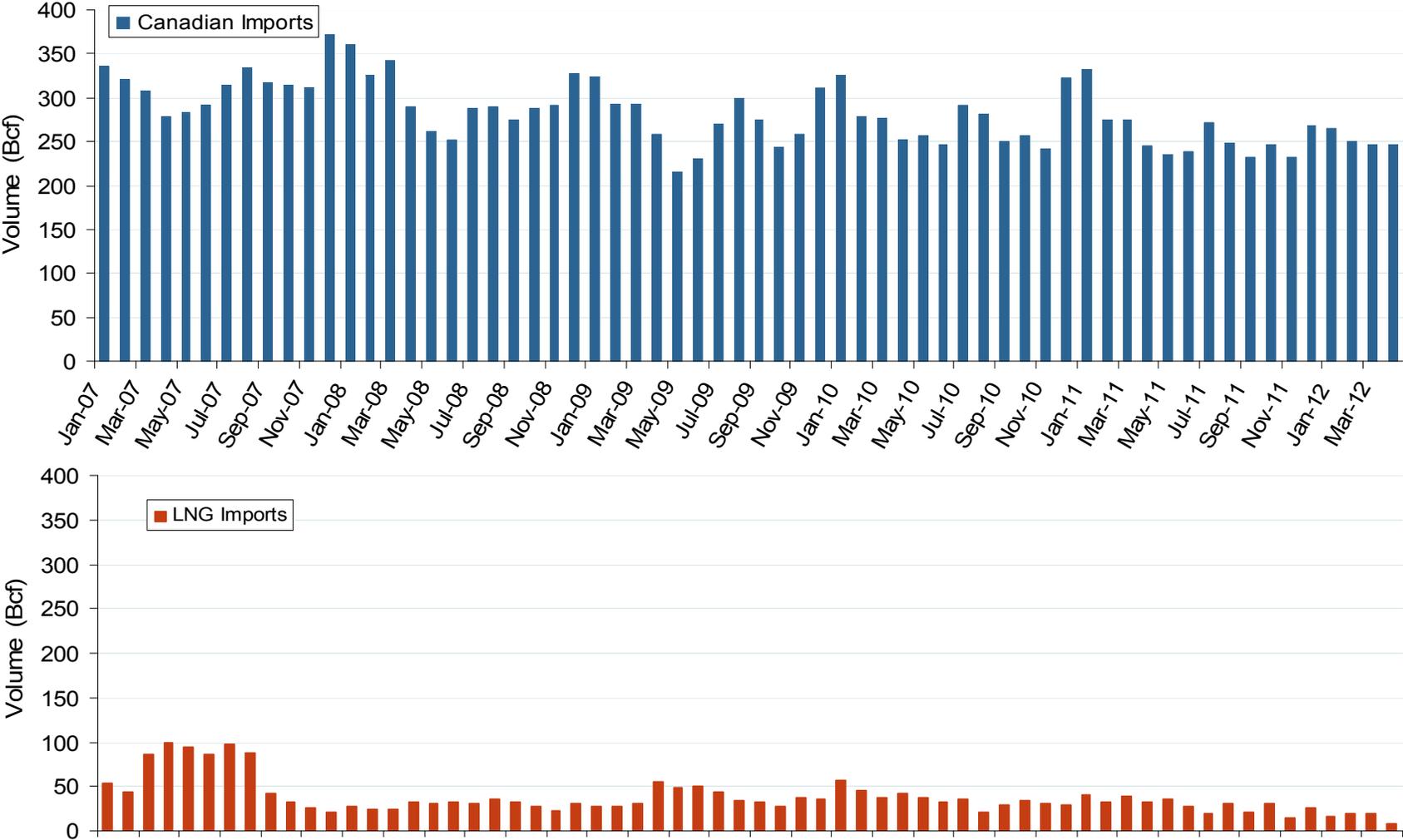
July 2012 National Snapshot Report

Updated: July 11, 2012

Natural Gas Overview: Natural Gas Imports

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)

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



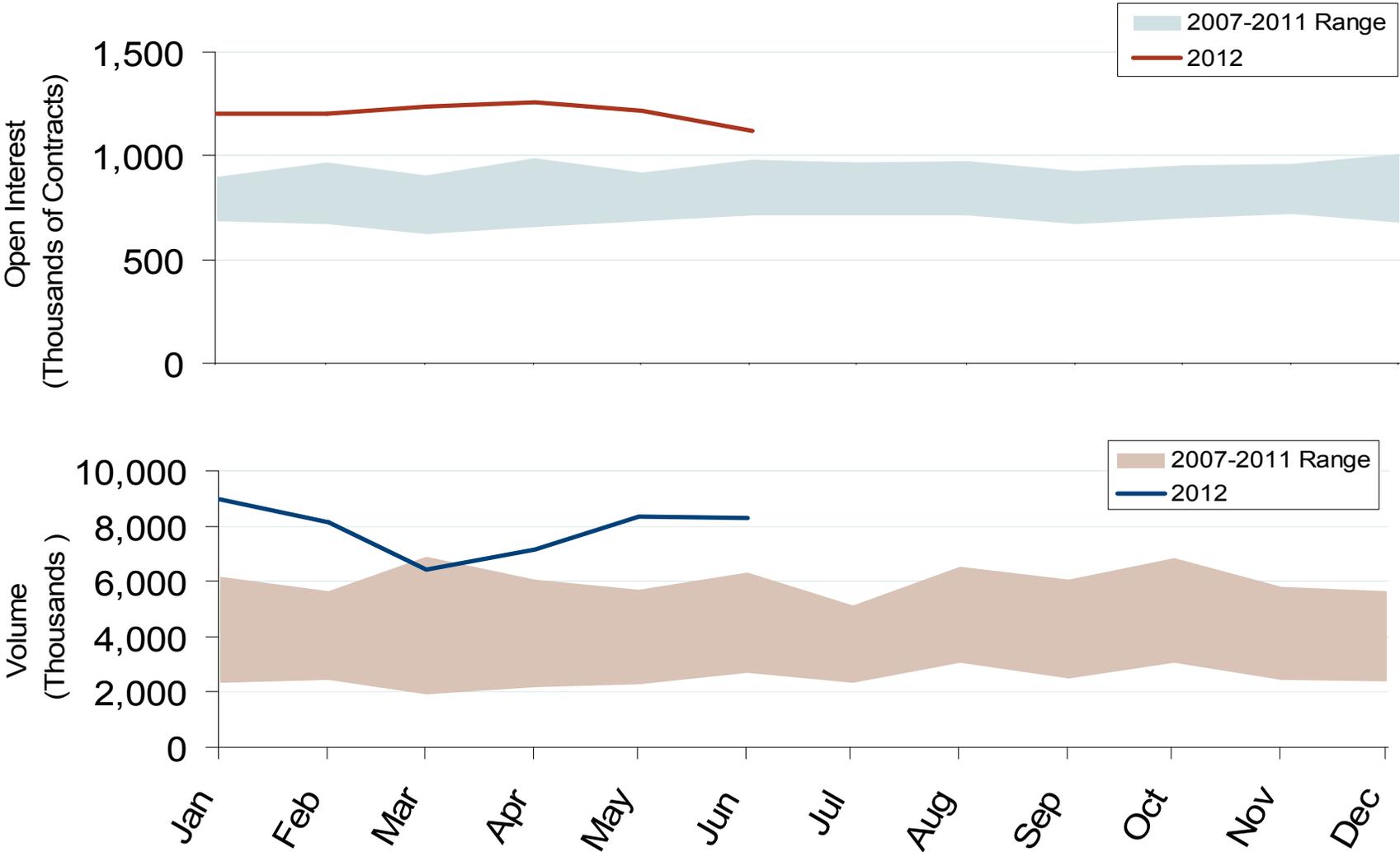
Source: EIA Natural Gas Monthly  
July 2012 National Snapshot Report

Updated: July 12, 2012

Natural Gas Trading: Futures Open Interest and Volume

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)

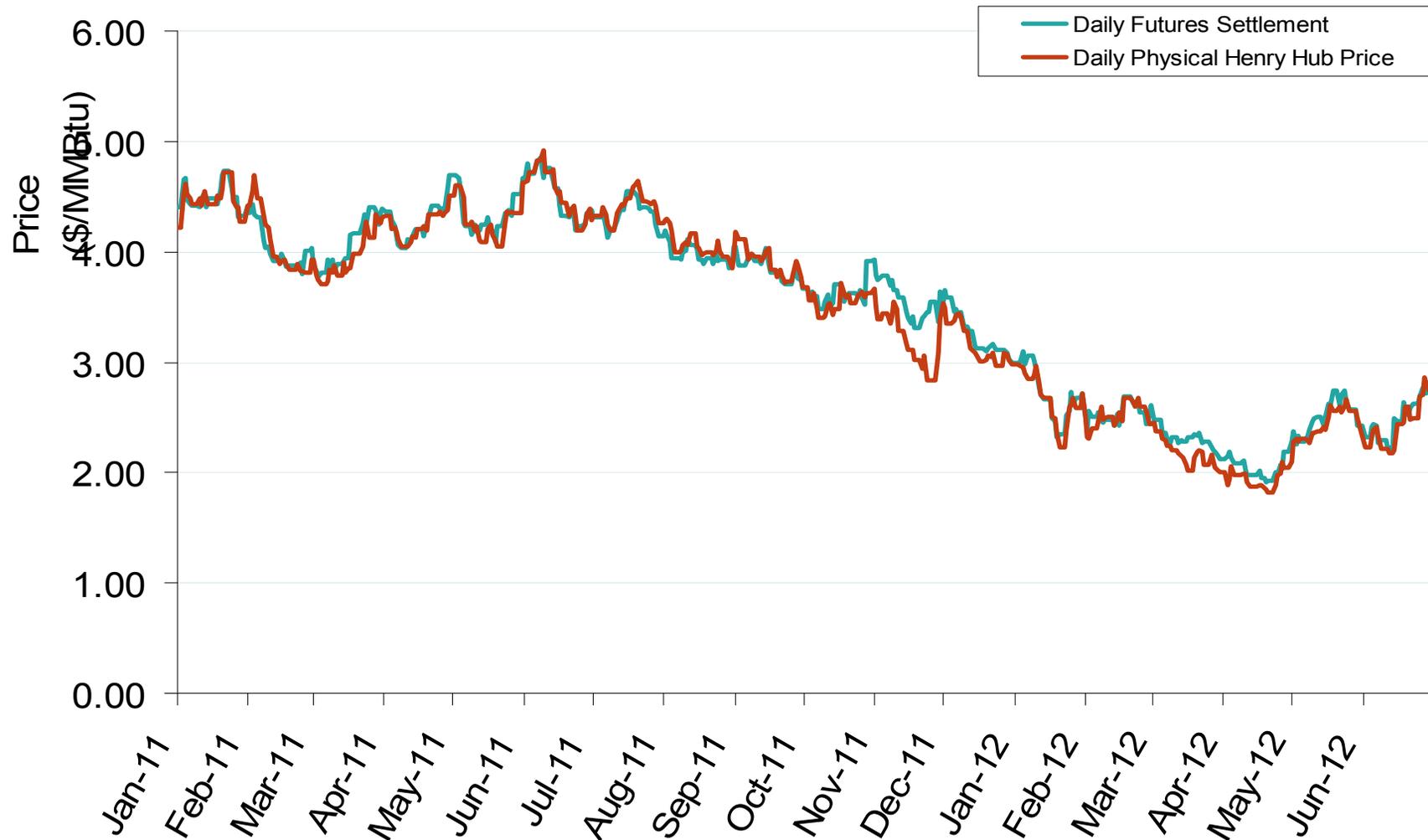
# Nymex NG Futures Month-End Open Interest and Monthly Volume



Source: Derived from Nymex data  
July 2012 National Snapshot Report

Updated: July 16, 2012

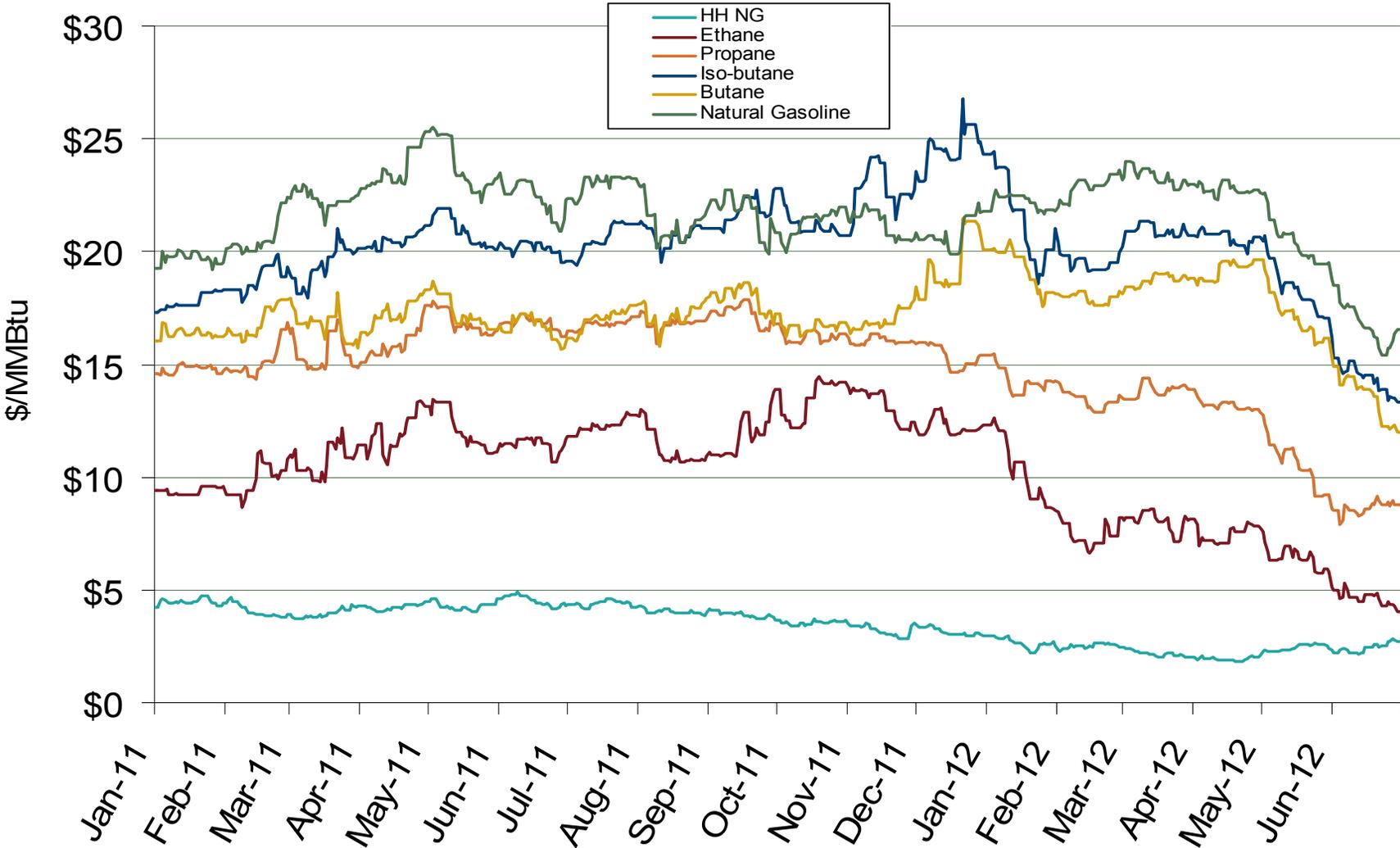
## Natural Gas Trading: Physical and Futures Prices

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)**Daily Physical Index Price & Daily Futures Settlement Price**

Natural Gas Market Overview: NGL Prices

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)

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



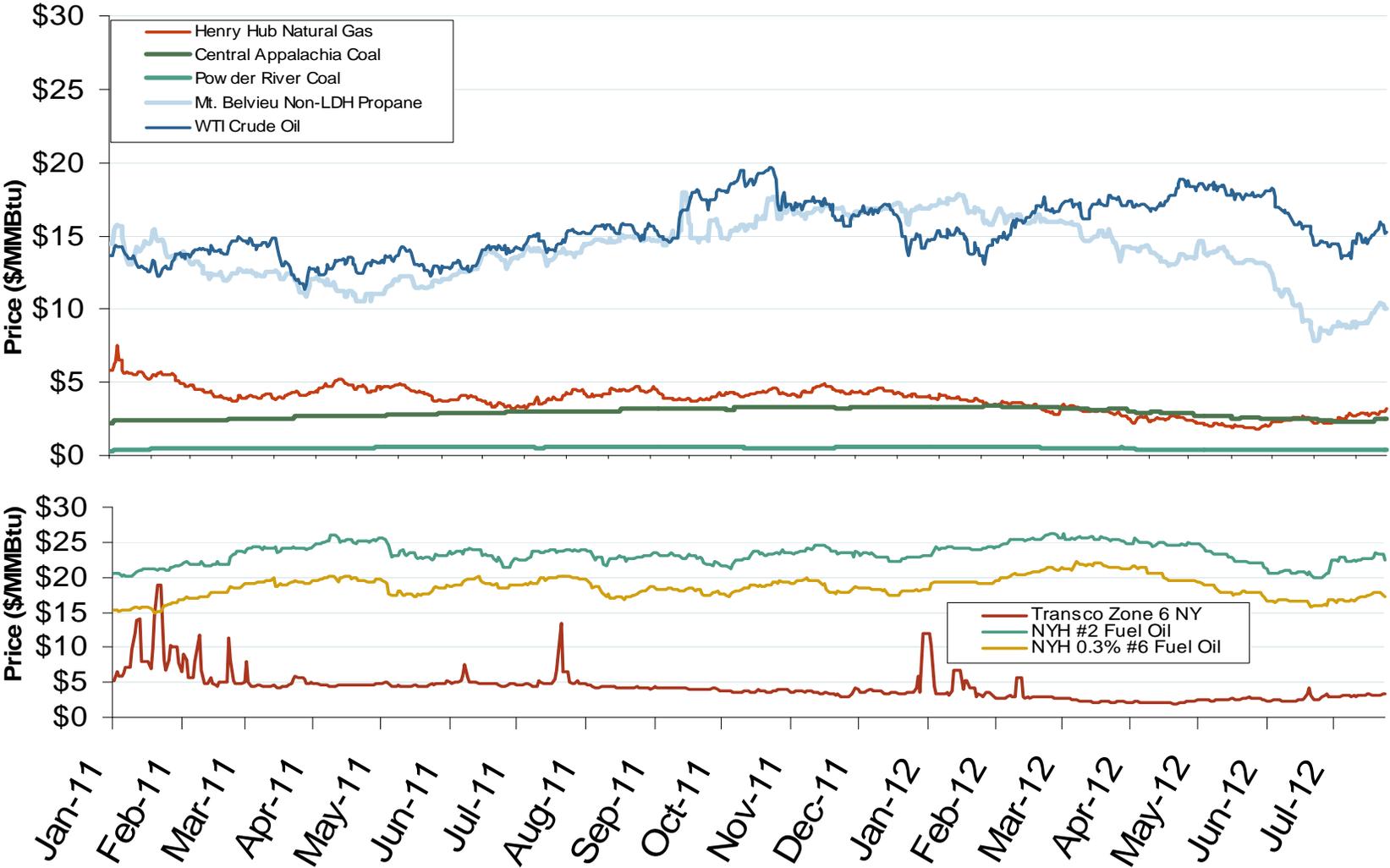
Source: Derived from *Bloomberg* Data  
July 2012 National Snapshot Report

Updated: July 13, 2012

Other Fuels Market: Fossil Fuel Prices

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)

# 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

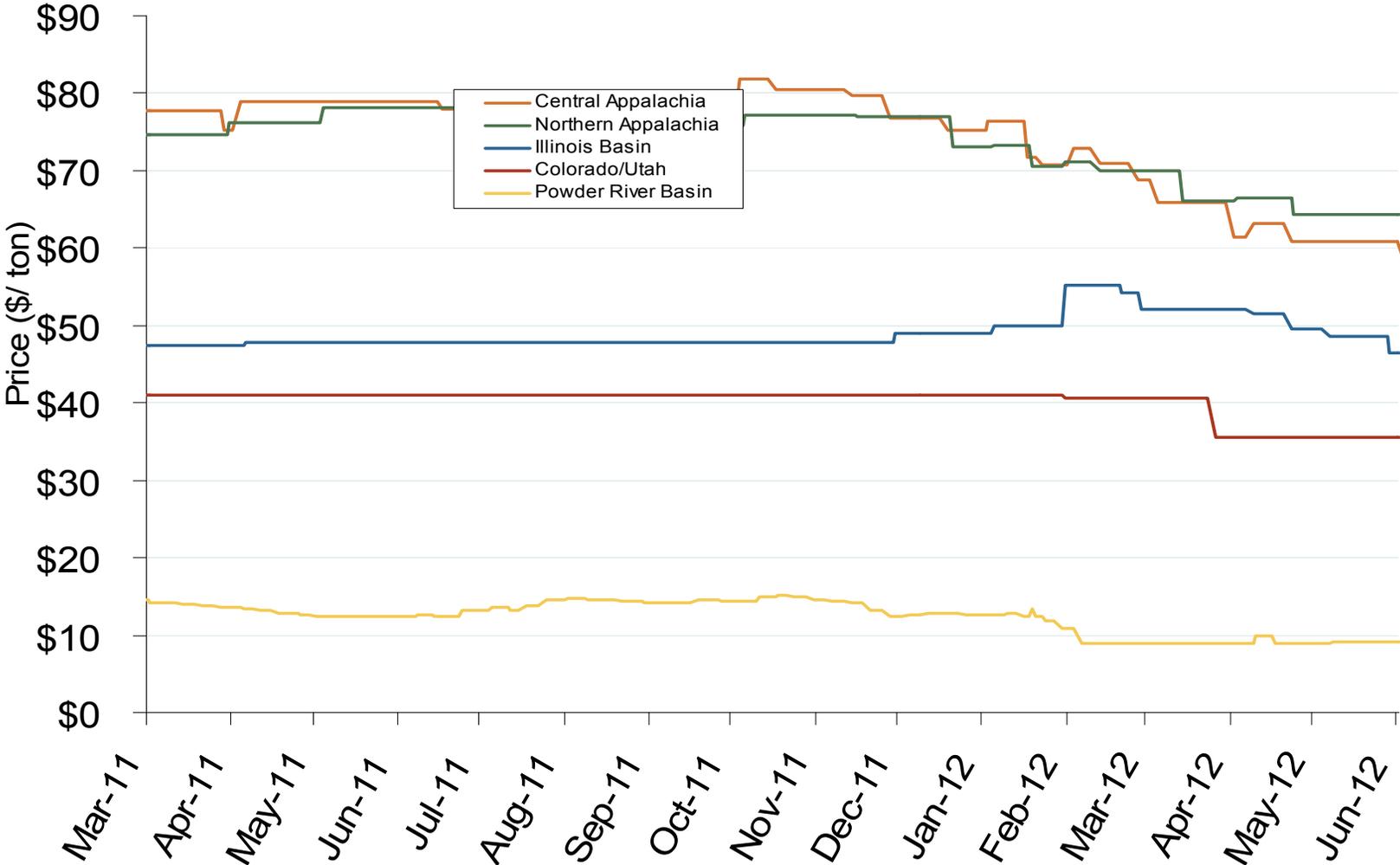
Source: Derived from ICE and Bloomberg data

Updated: July 13, 2012

National Electric Market Overview: Coal Prices

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)

# Central Appalachian and Powder River Basin Coal Prices



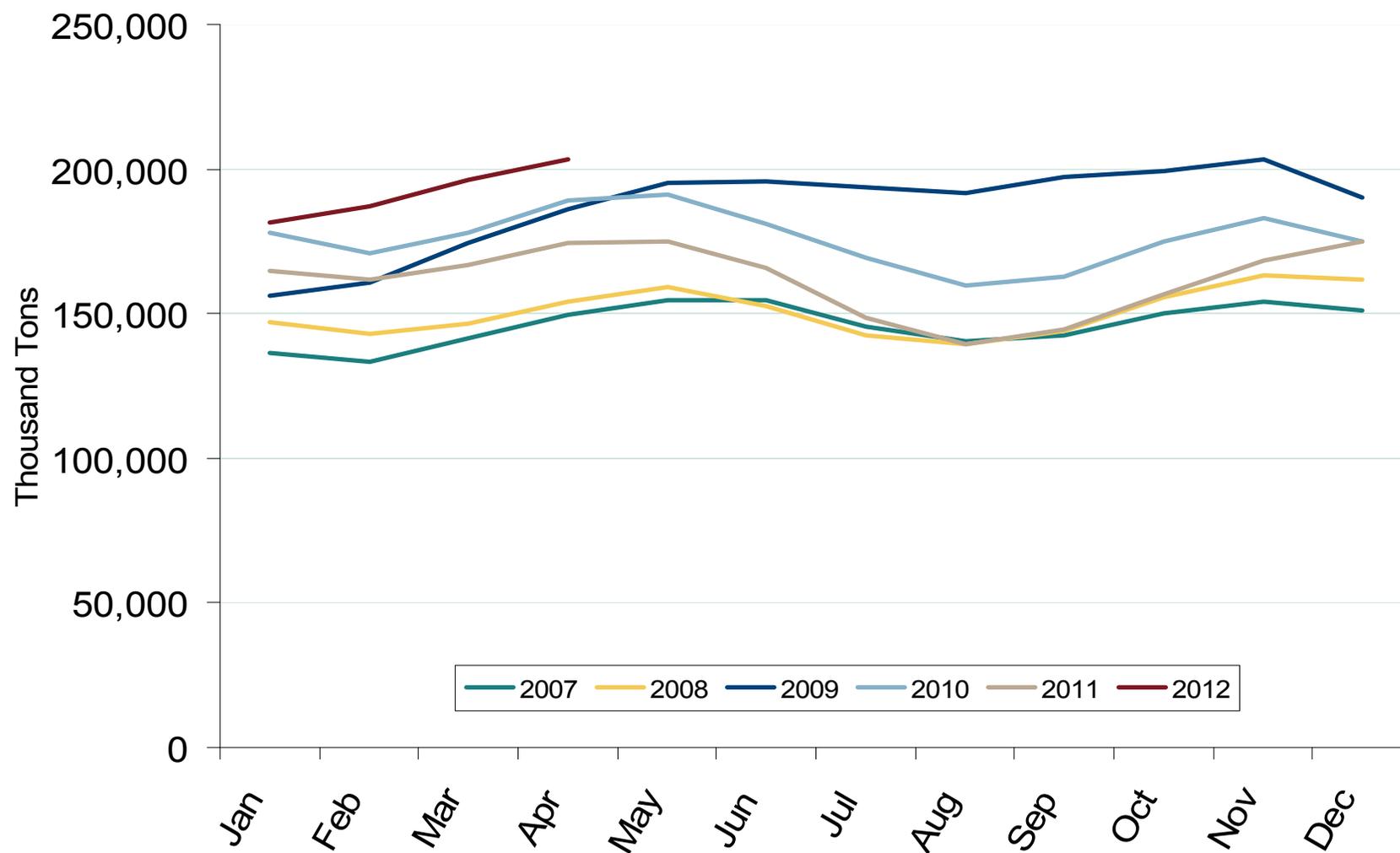
Notes: The Central Appalachian (CAPP) coal is priced at Big Sandy. All others are mine mouth prices. Prices do not include transportation costs to a plant, as those can vary widely by contract specifications. Prices exclude incremental cost of emissions allowances

Source: Derived from Bloomberg data

July 2012 National Snapshot Report

Updated: July 13, 2012

## Other Fuels Market: U.S. Coal Stockpiles

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)**U.S. Coal Stockpiles at Electric Power Generating Facilities**

Source: Derived from EIA data. Excludes Industrial and Commercial Plants  
 July 2012 National Snapshot Report

Updated: July 12, 2012

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