

# **OE ENERGY MARKET SNAPSHOT**

## **National Version – July 2012 Data**

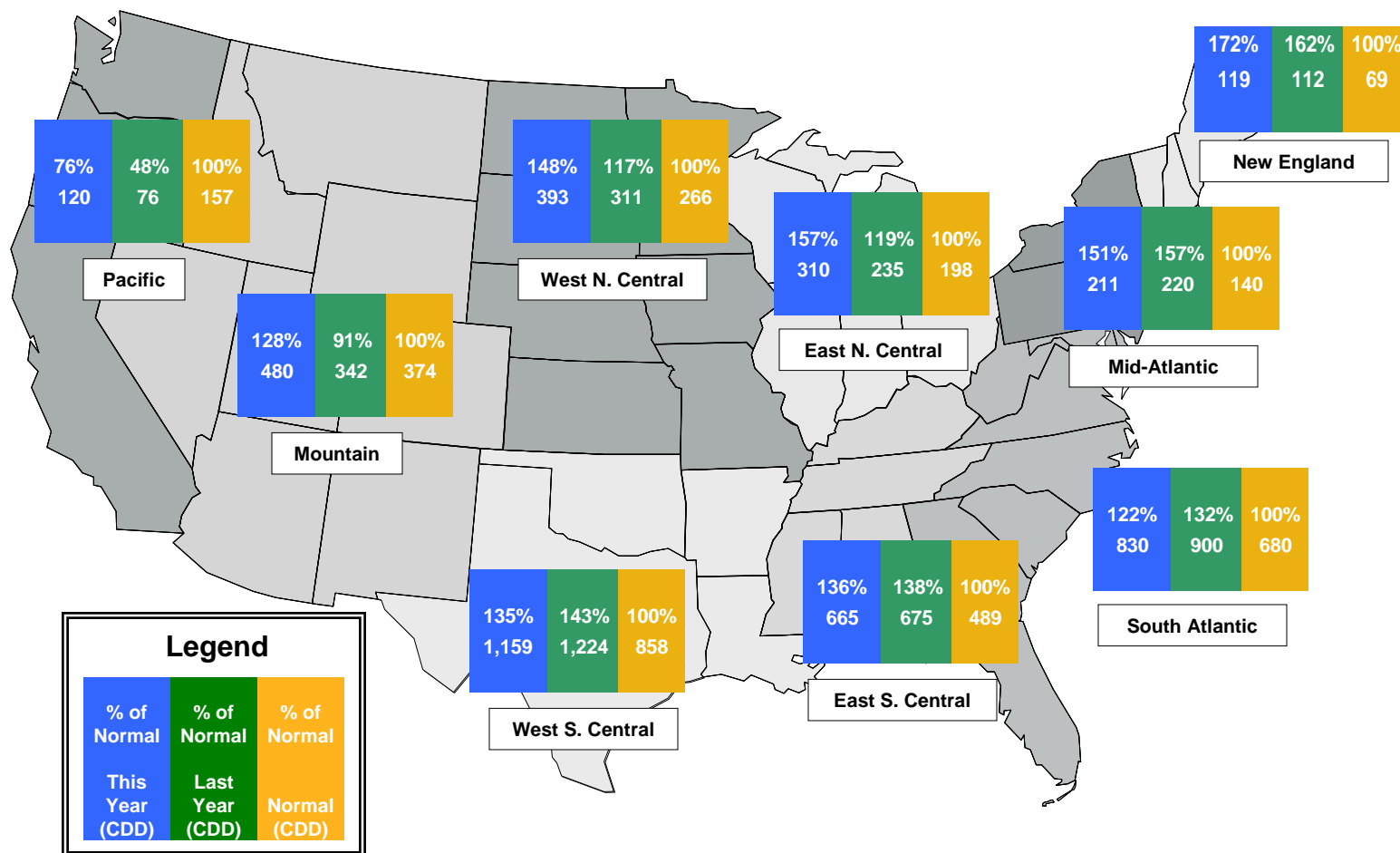
---

Office of Enforcement  
Federal Energy Regulatory Commission  
August 2012



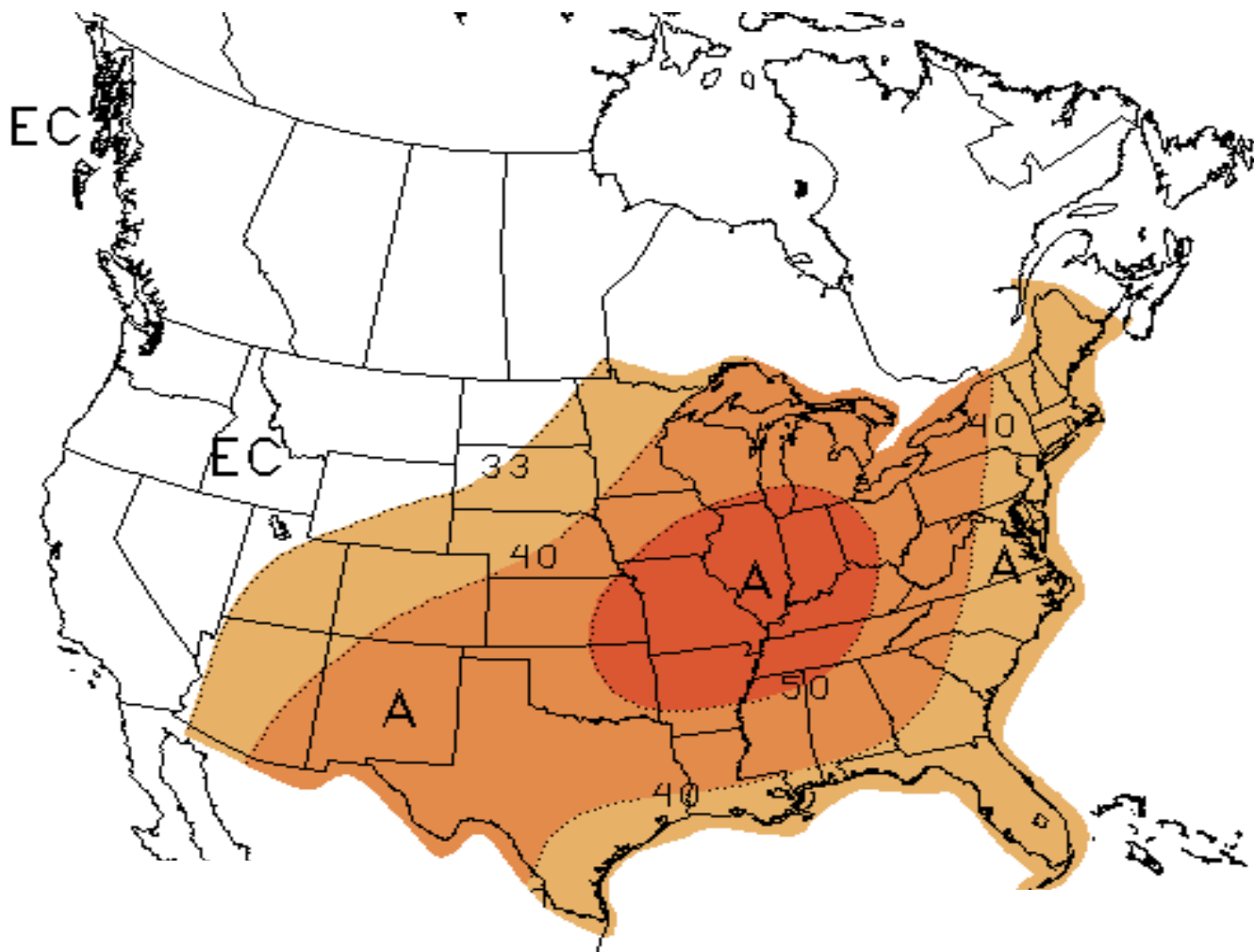
# Weather

## Regional Cooling Degree Days – January to July 2012



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

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



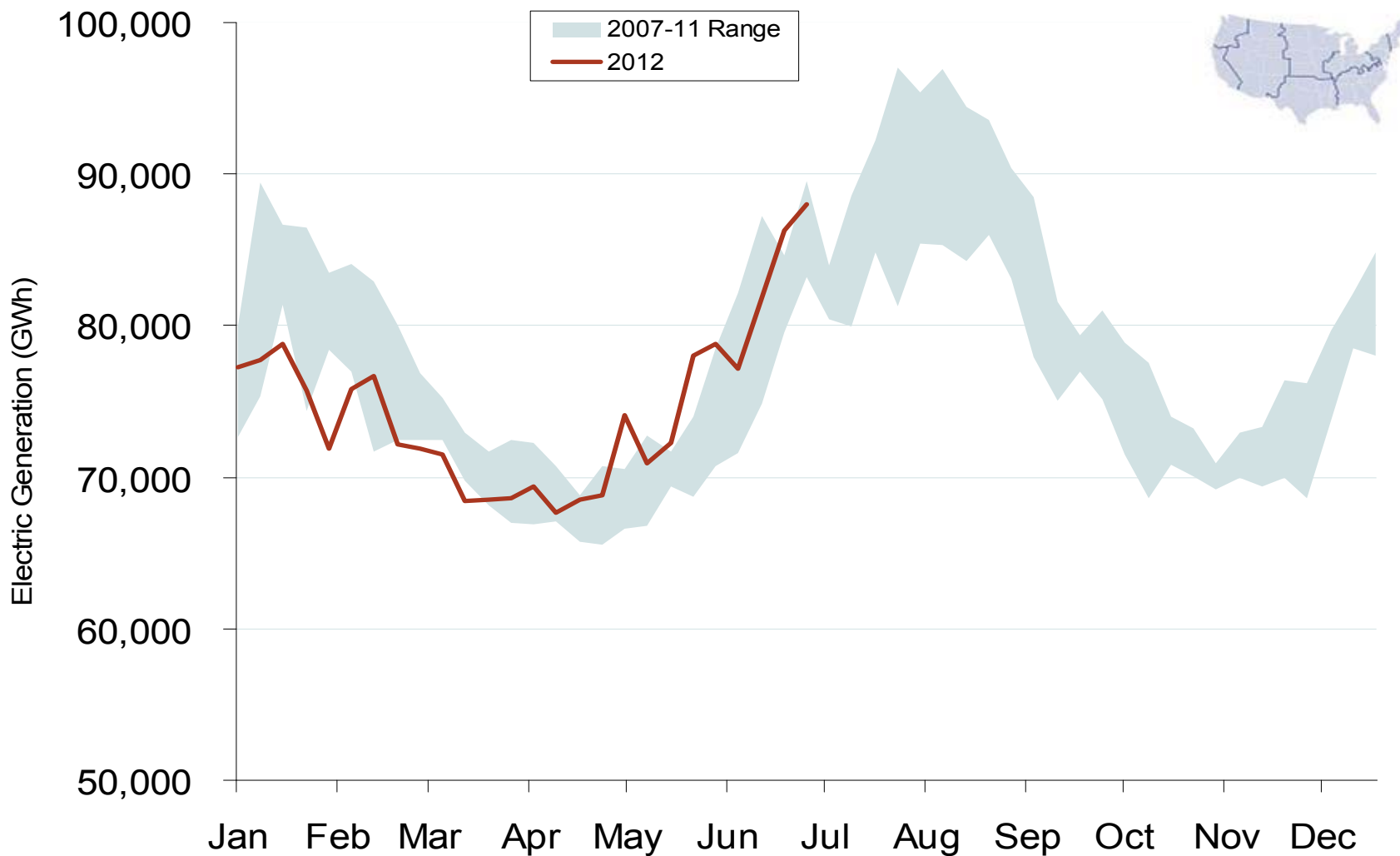
Note: "A" areas are above normal, "B" areas are below normal and "EC" means equal chance. Normal is based on the last 30 years of data.  
Source: Derived from NOAA data.

Updated: August 6, 2012



# Electricity Markets

## Weekly U.S. Electric Generation Output



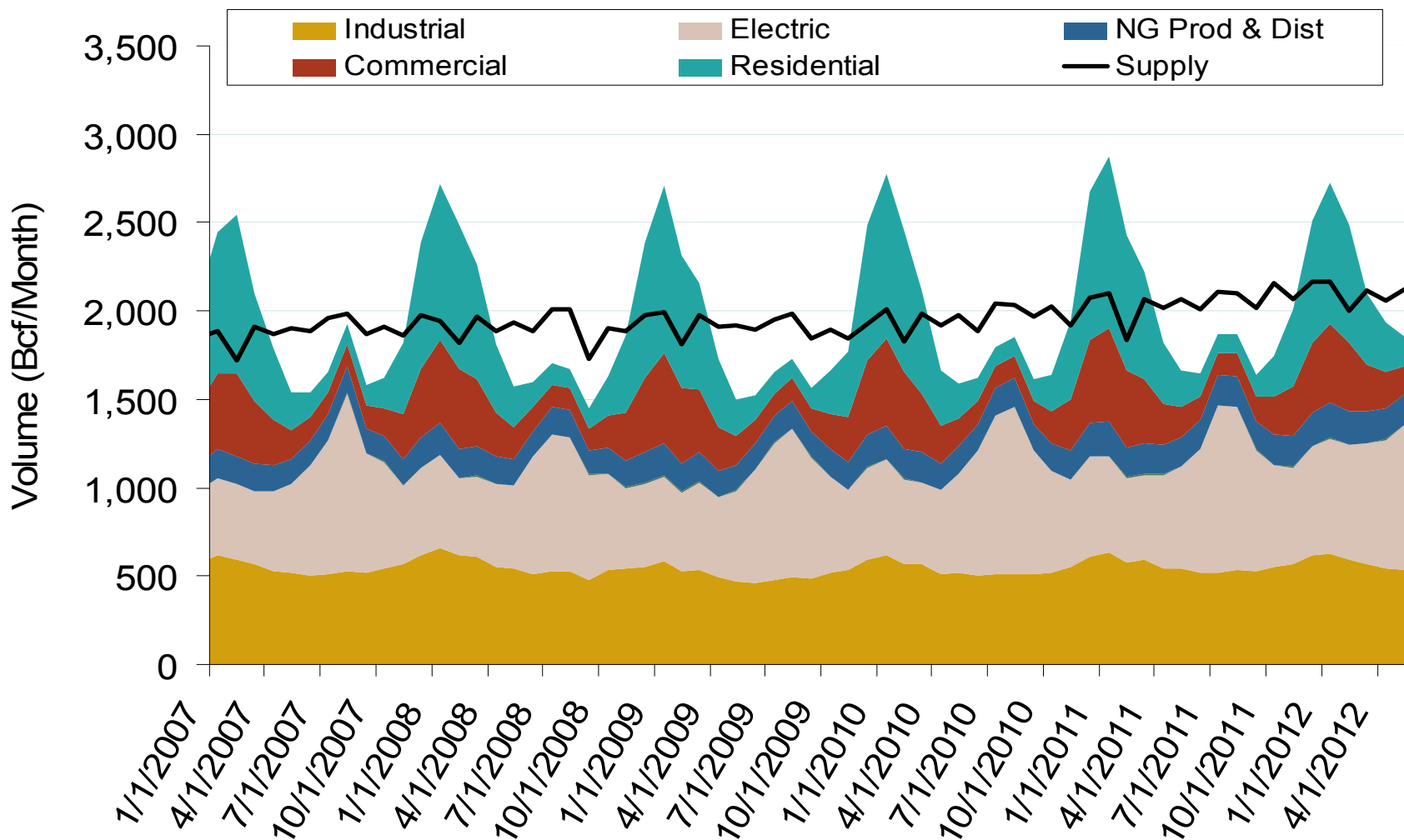


# Natural Gas and Fuels Markets

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

August 2012 National Snapshot Report

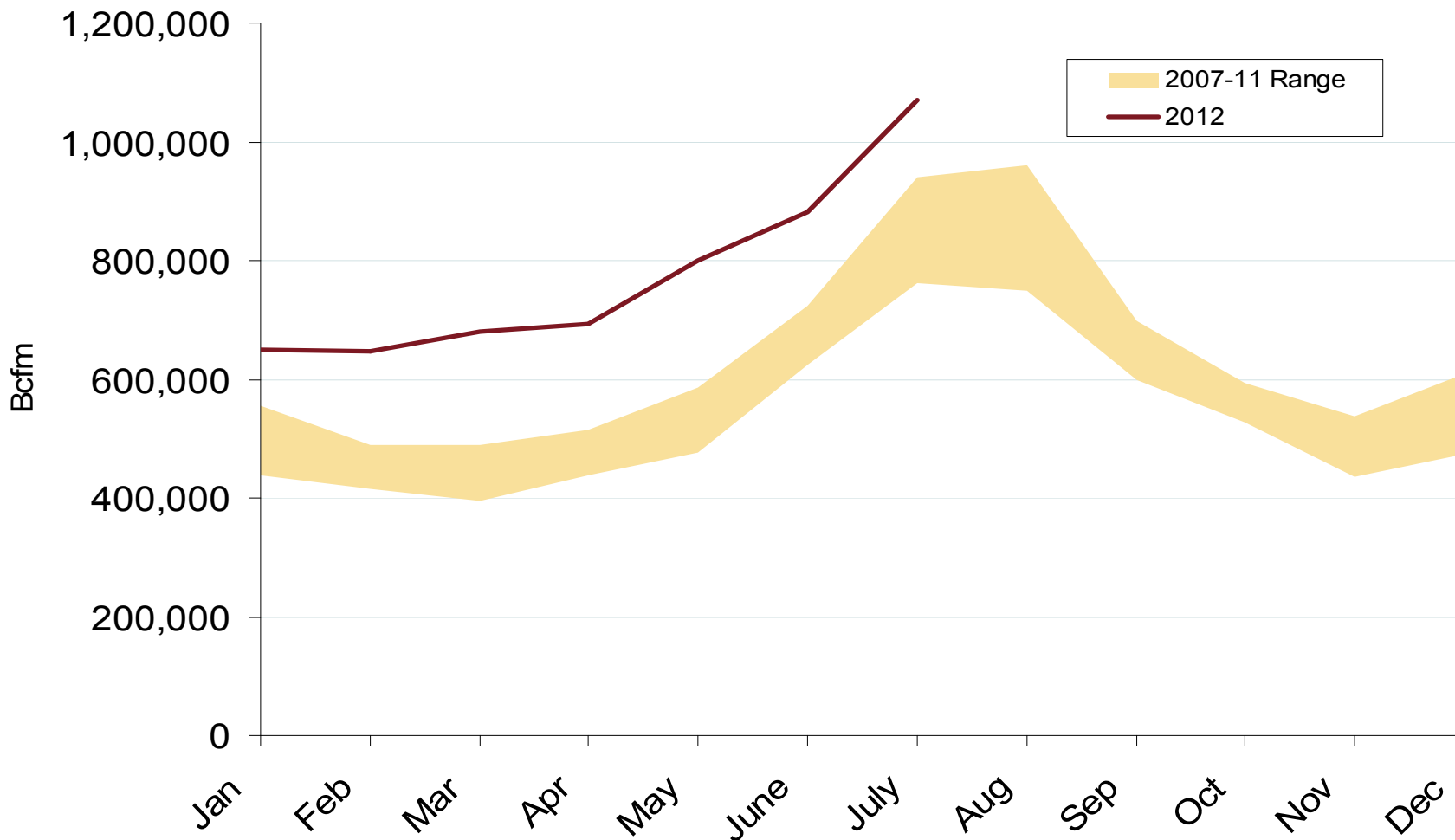
Updated: August 06, 2012



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



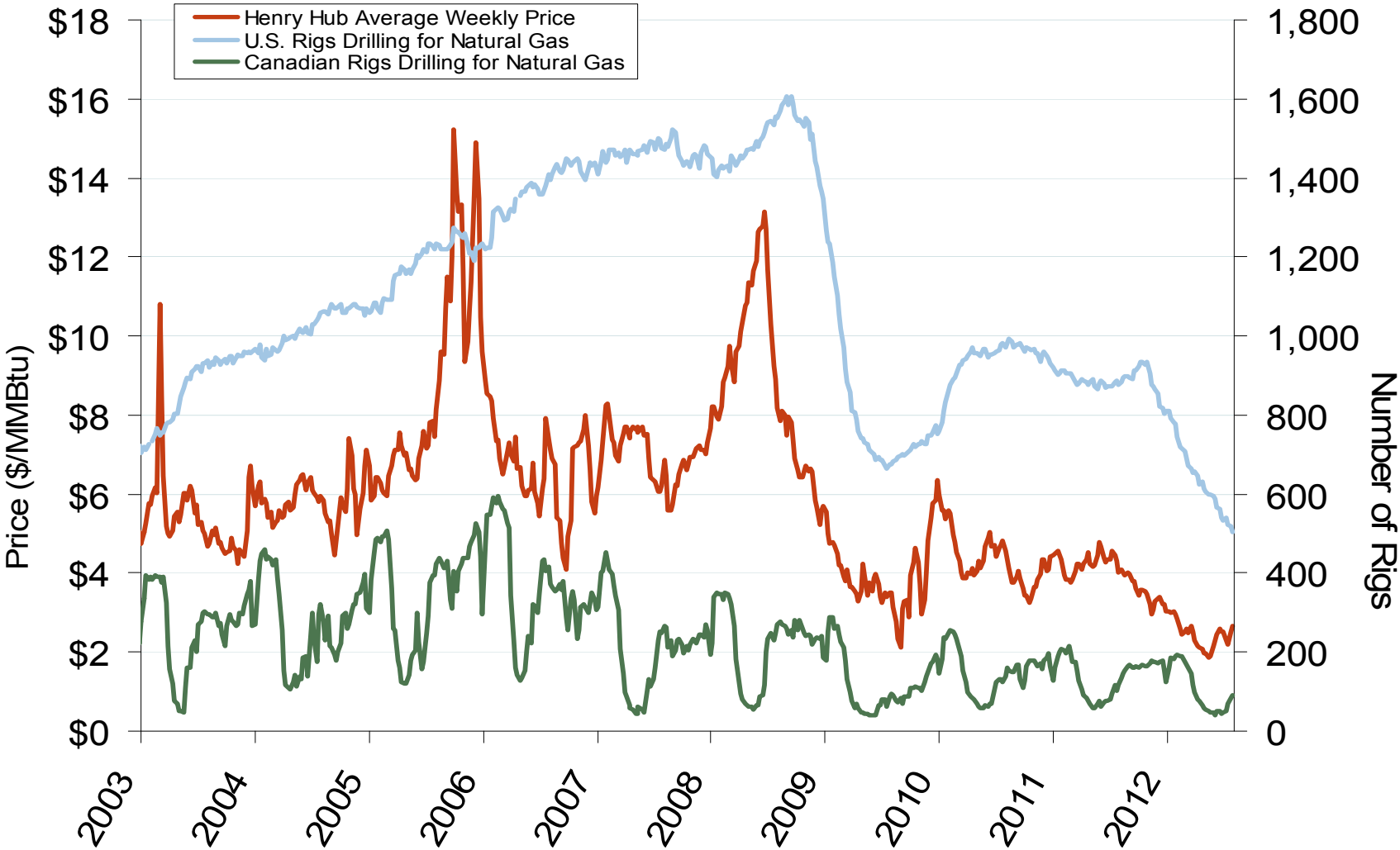
Source: Derived from *Bentek Energy* data  
August 2012 National Snapshot Report

Updated: August 02, 2012

Natural Gas Market Overview: Drilling Rig Count

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

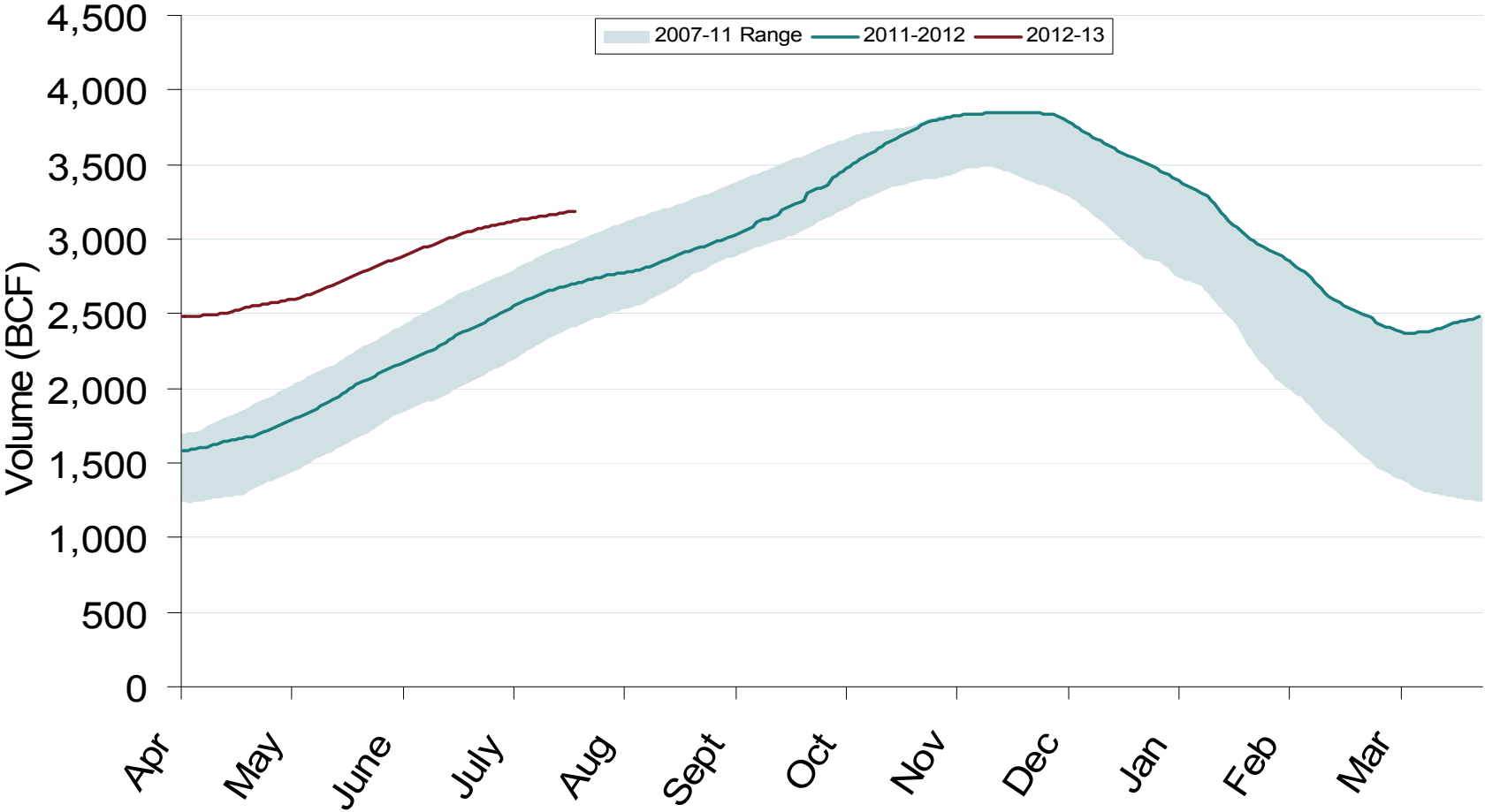
# U.S. and Canadian NG Drilling Rig Count and Daily Spot Prices



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

Updated: August 02, 2012

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



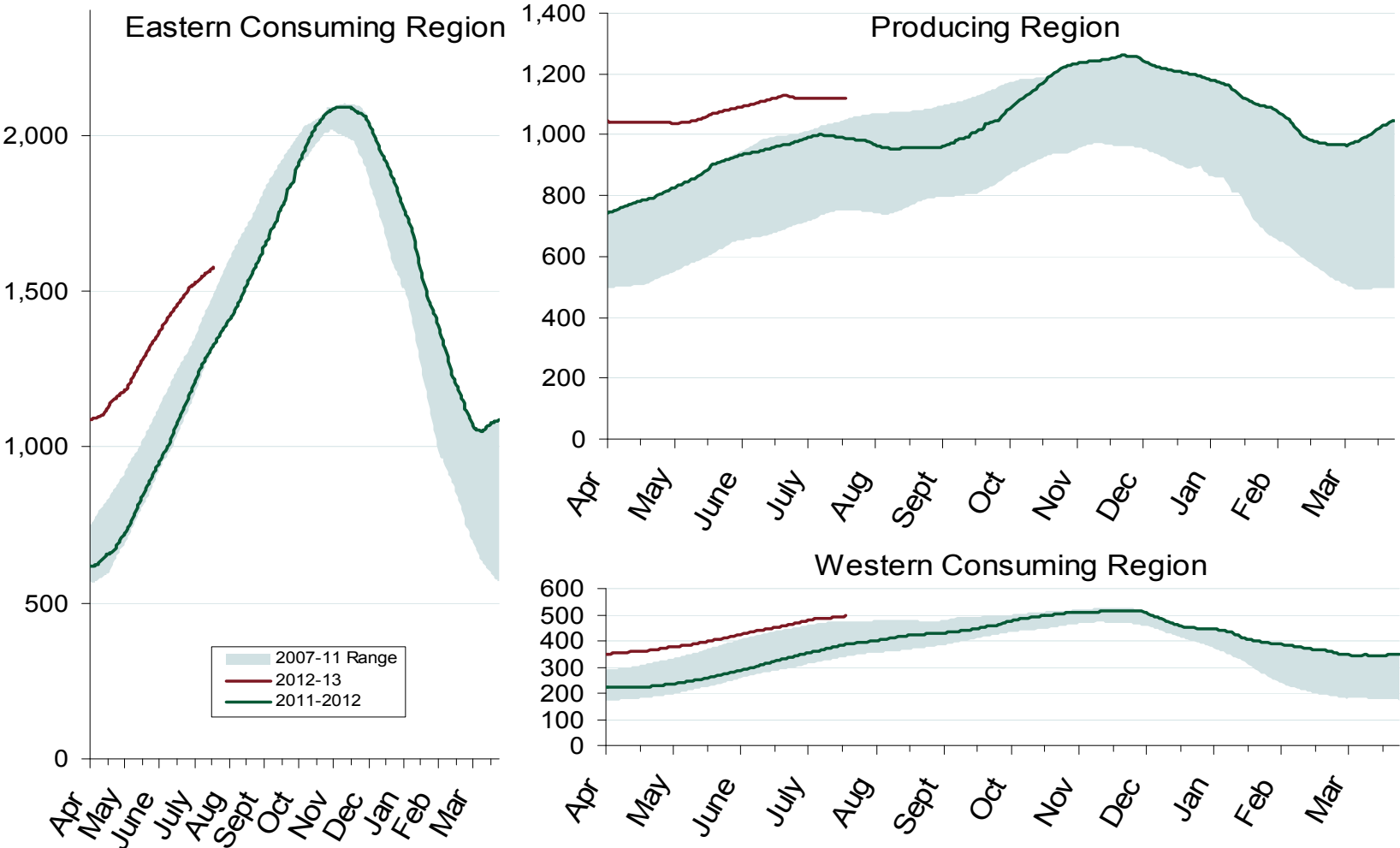
Source: Derived from EIA data  
August 2012 National Snapshot Report

Updated: August 06, 2012

Natural Gas Market Overview: Regional Storage

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

# Regional Totals of Working Gas in Storage



Source: Derived from EIA data  
August 2012 National Snapshot Report

Updated: August 06, 2012

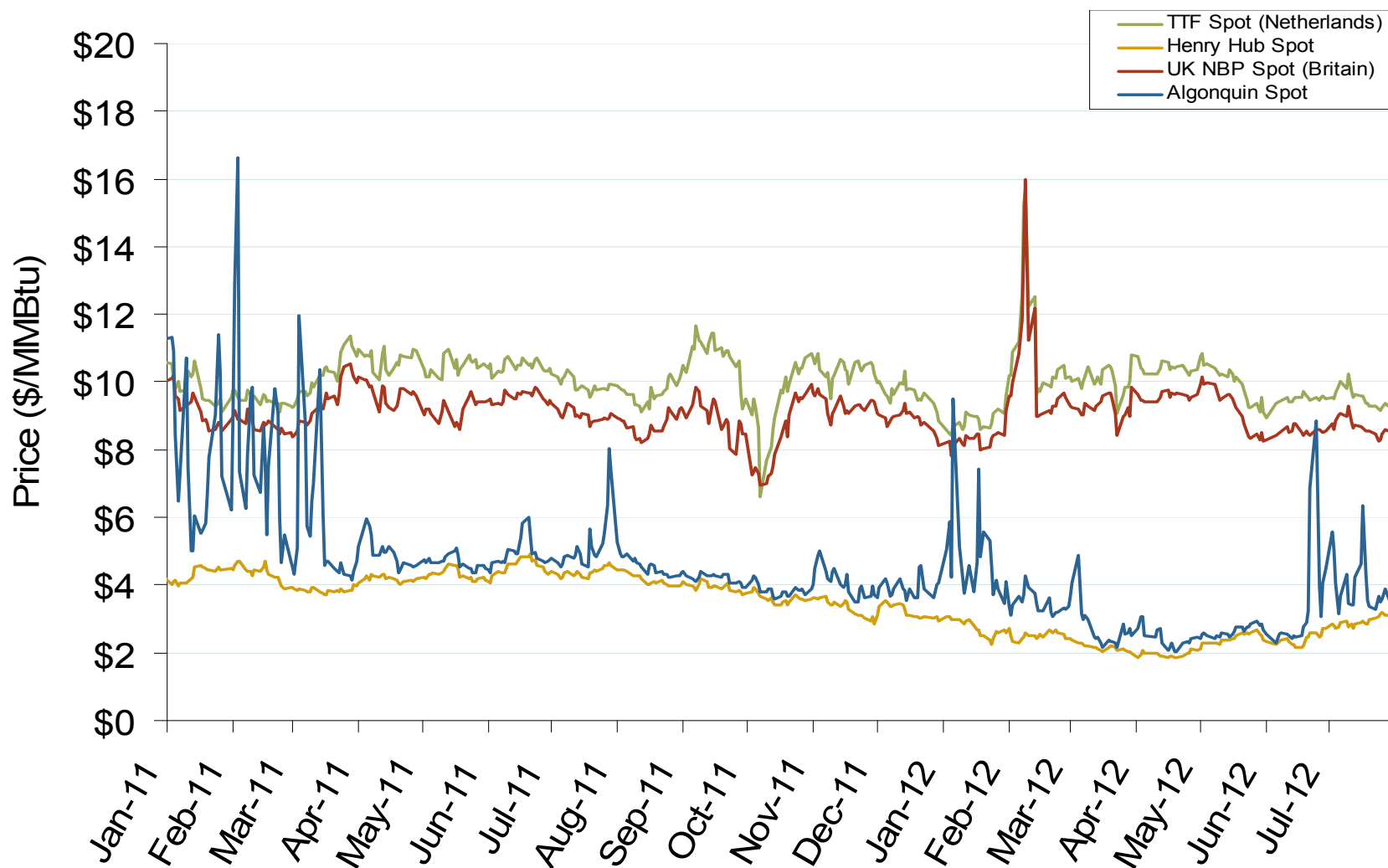
## Natural Gas Overview: World LNG Prices

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

August 2012 National Snapshot Report

Updated: August 8, 2012 3024

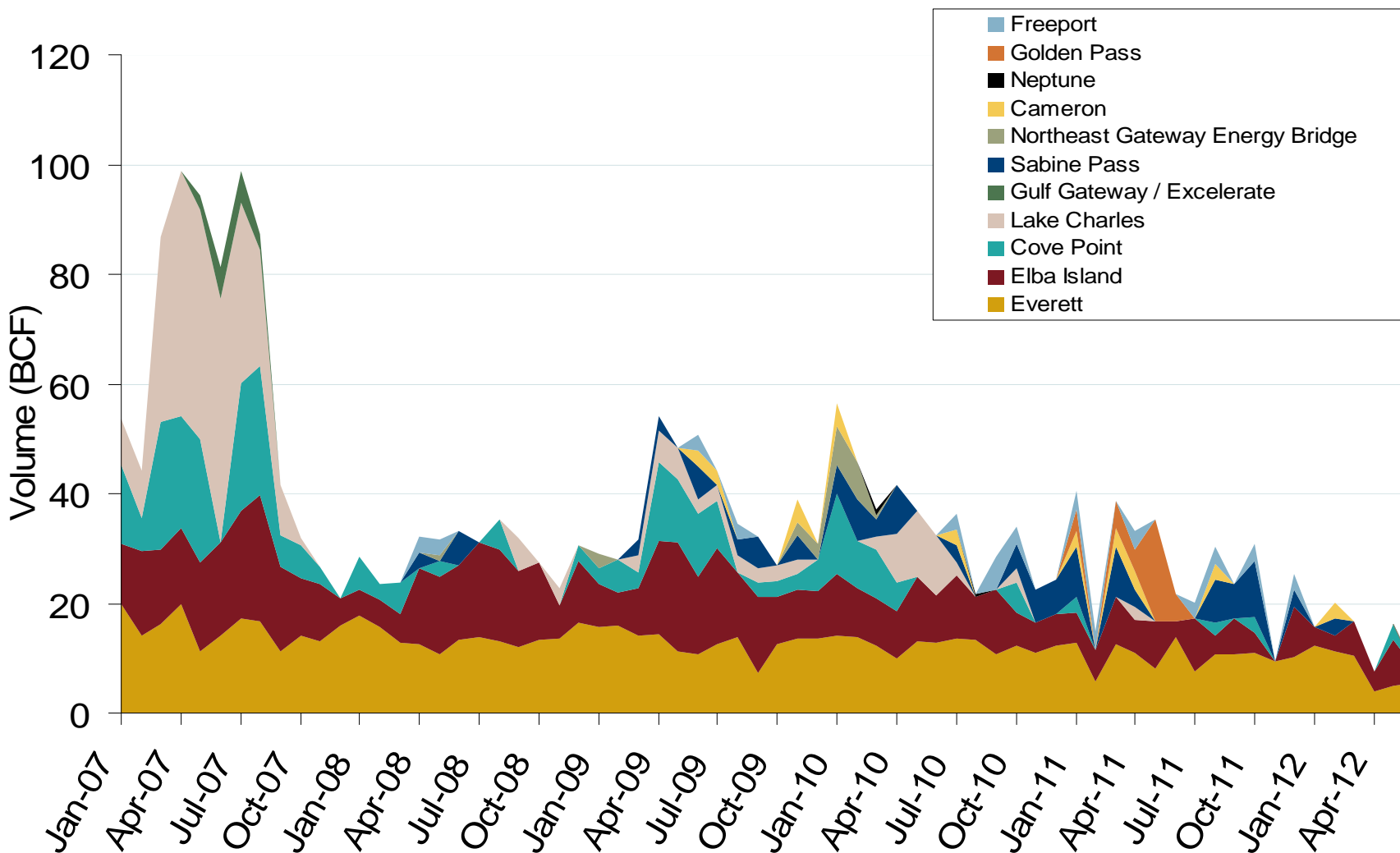
## Natural Gas Market Overview: European &amp; US Gas Prices

Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)**Atlantic Basin European and US Spot Natural Gas Prices**

Natural Gas Overview: Monthly LNG Imports

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

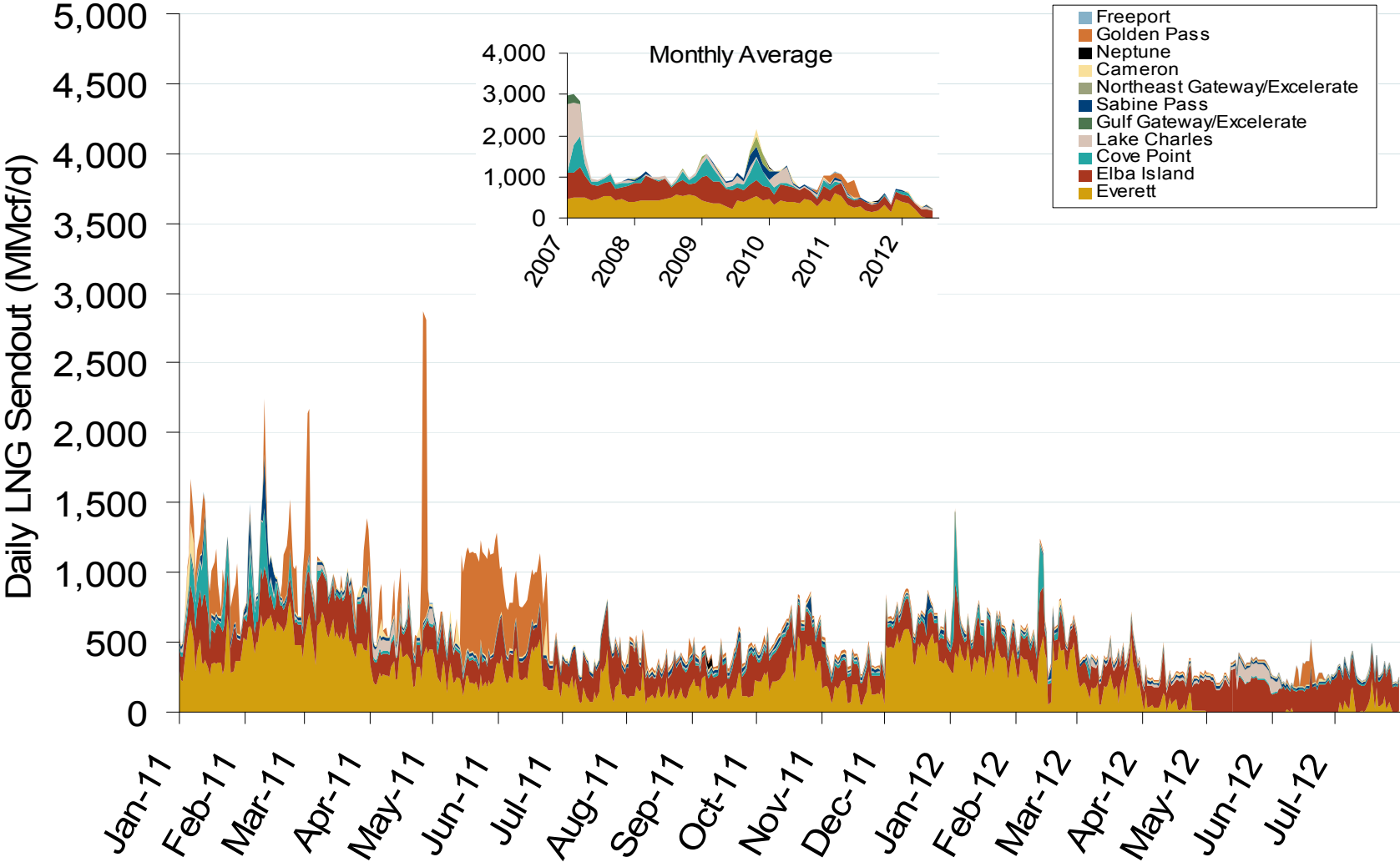
## Monthly Gas Imports at Existing U.S. LNG Facilities



Source: Derived from DOE Office of Fossil Energy data  
August 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

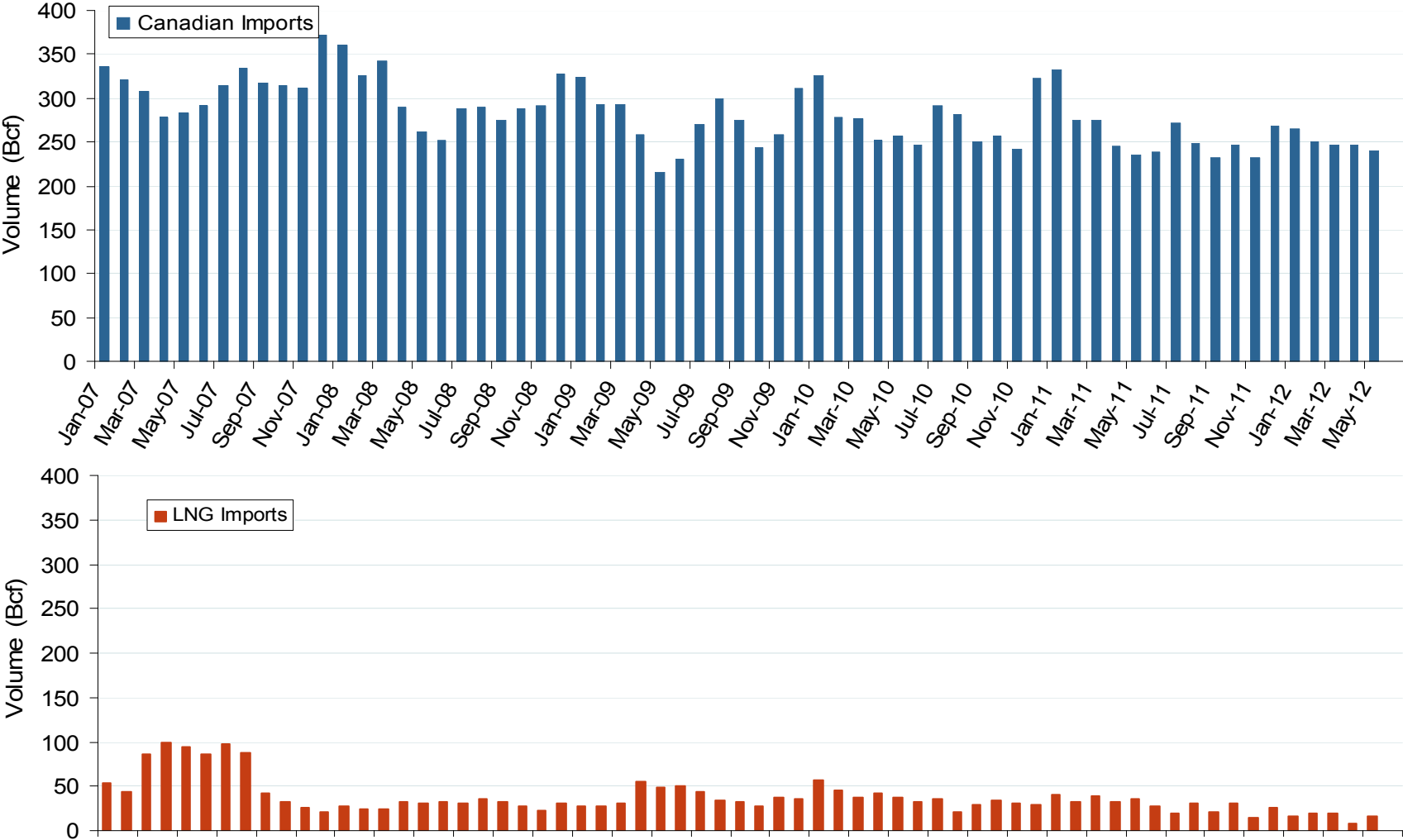
Source: Derived from Bentek data



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.



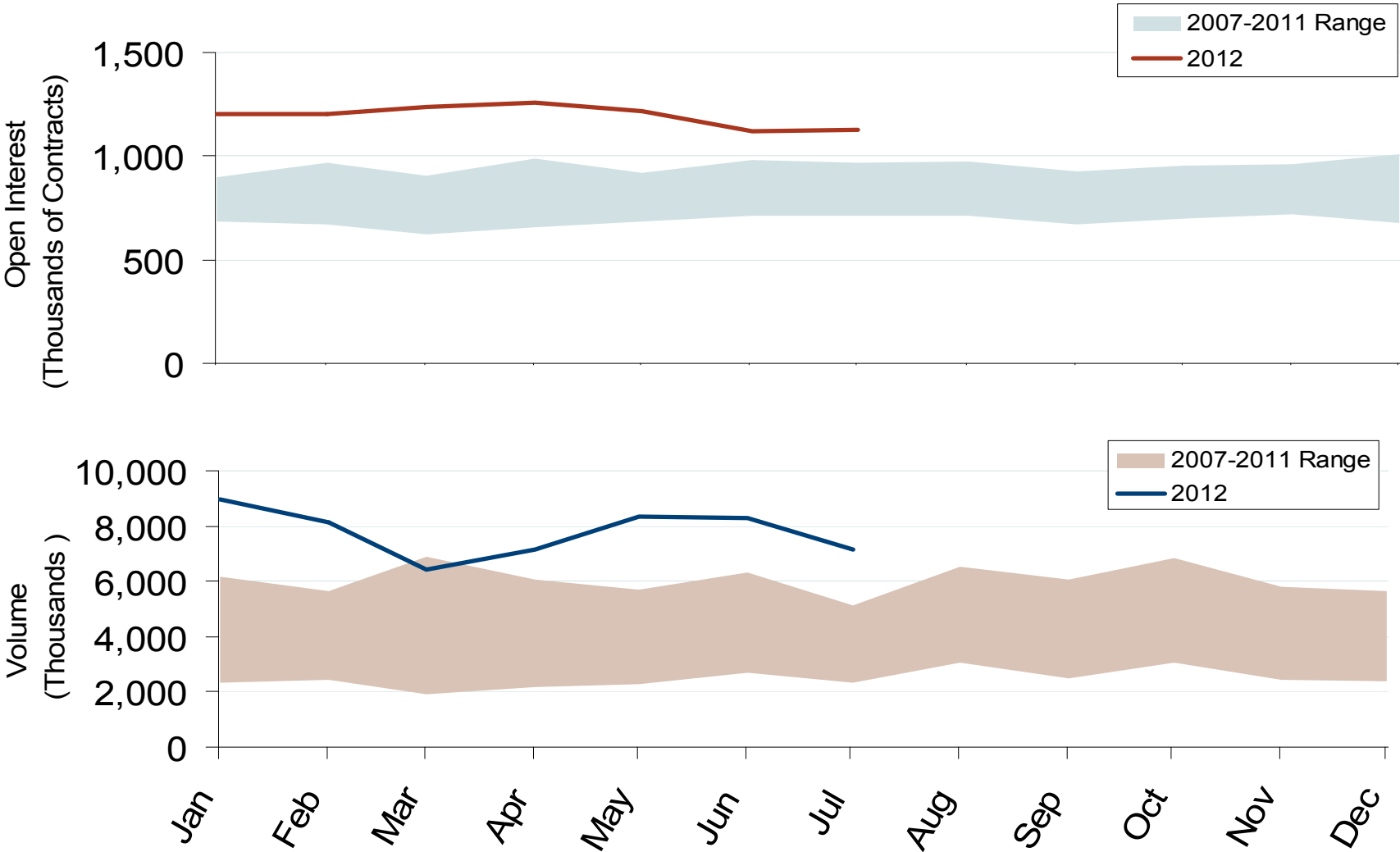
Source: EIA Natural Gas Monthly  
August 2012 National Snapshot Report

Updated: August 06, 2012

Natural Gas Trading: Futures Open Interest and Volume

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

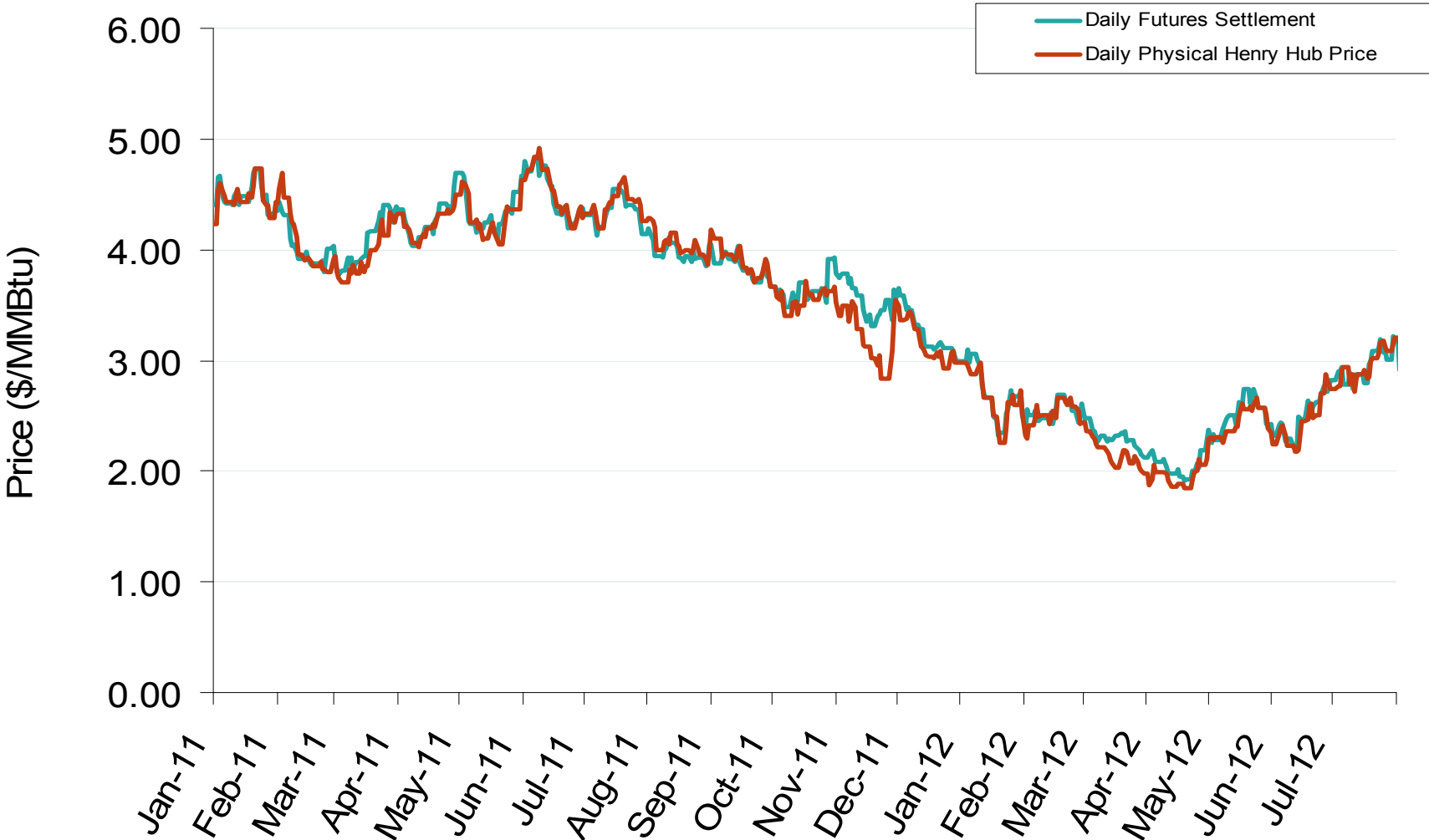
# Nymex NG Futures Month-End Open Interest and Monthly Volume



Source: Derived from Nymex data  
August 2012 National Snapshot Report

Updated: August 06, 2012

# Daily Physical Index Price & Daily Futures Settlement Price



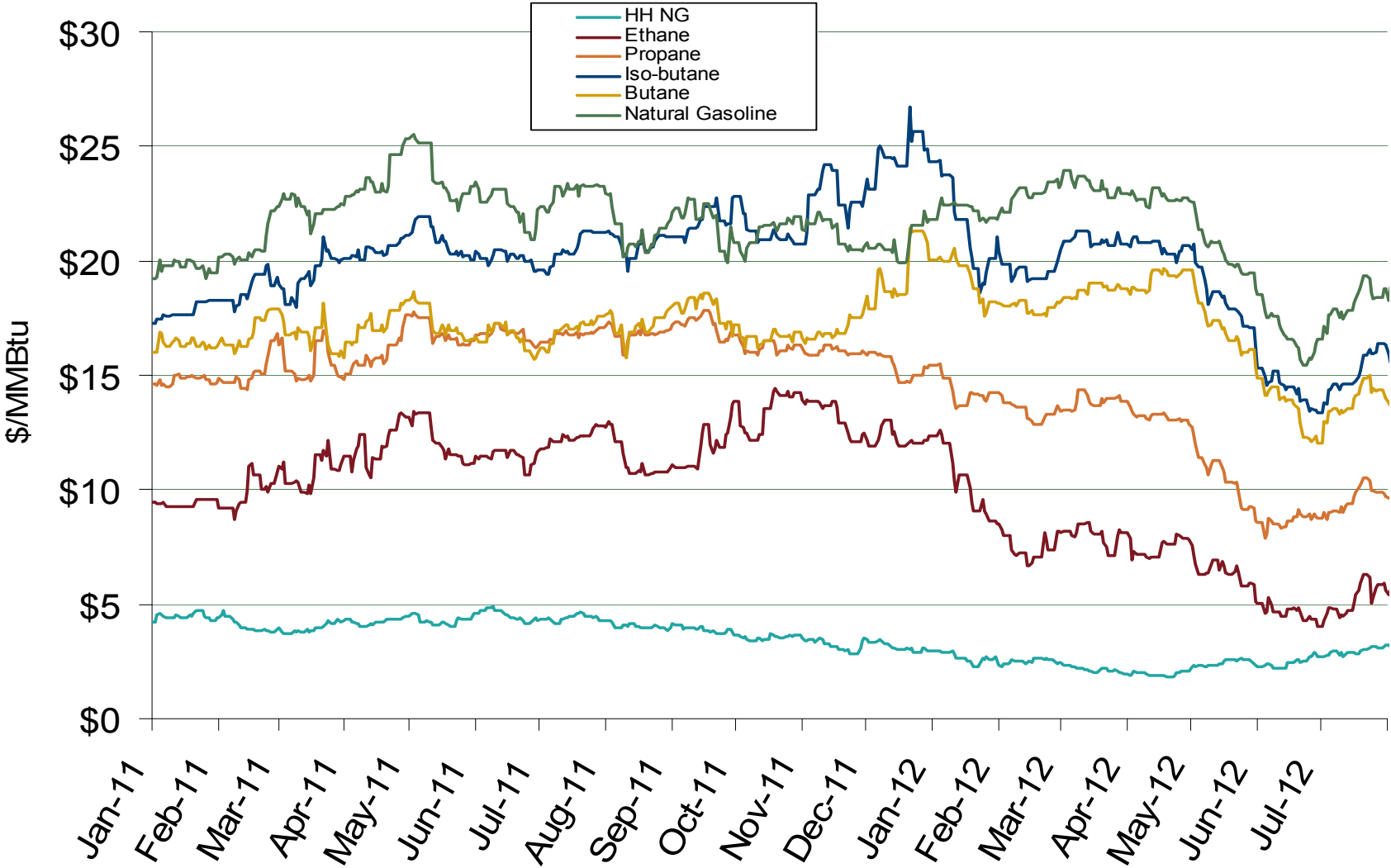
Source: Derived from *Bloomberg* data  
August 2012 National Snapshot Report

Updated: August 06, 2012

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



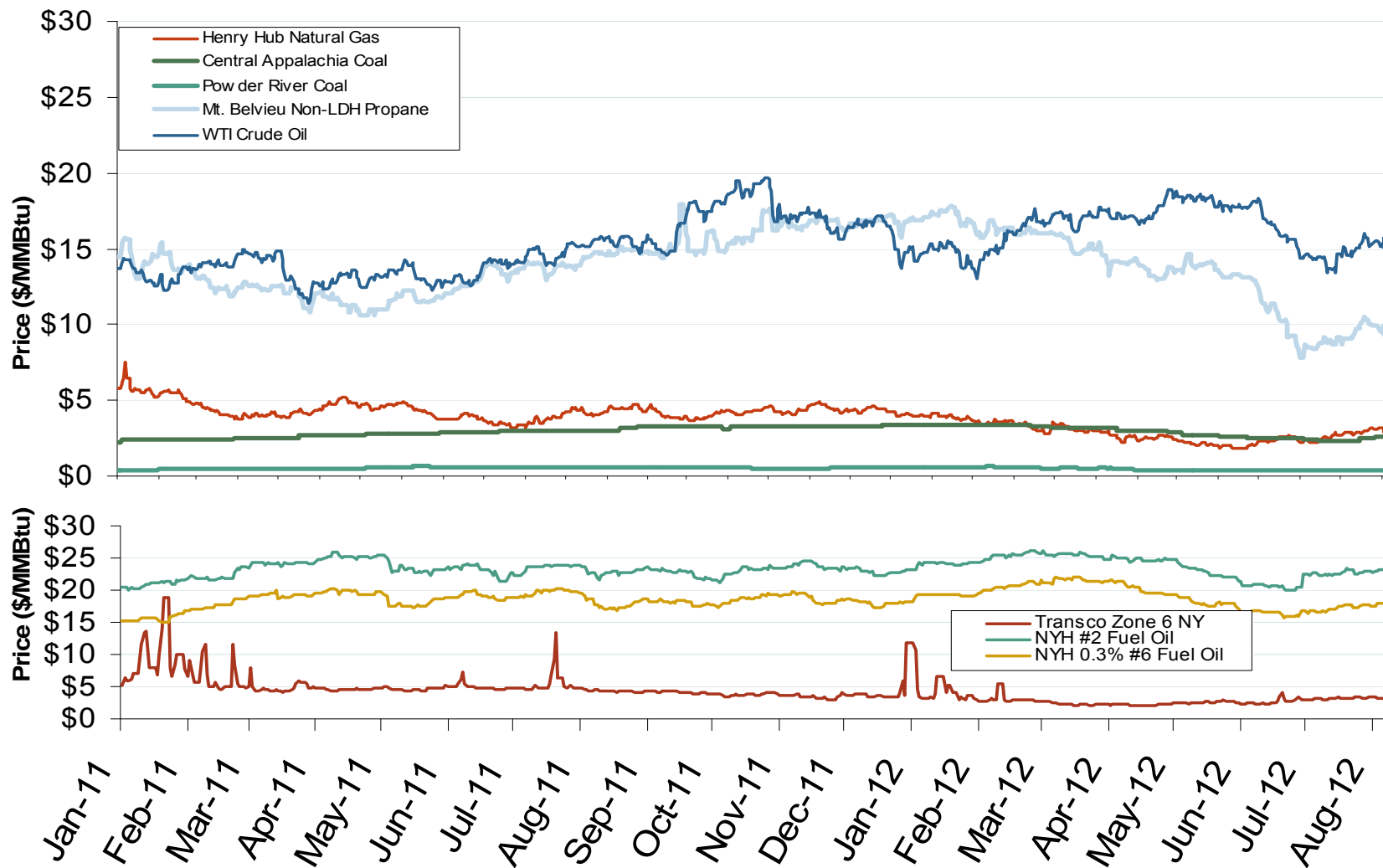
Source: Derived from Bloomberg Data  
August 2012 National Snapshot Report

Updated: August 06, 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

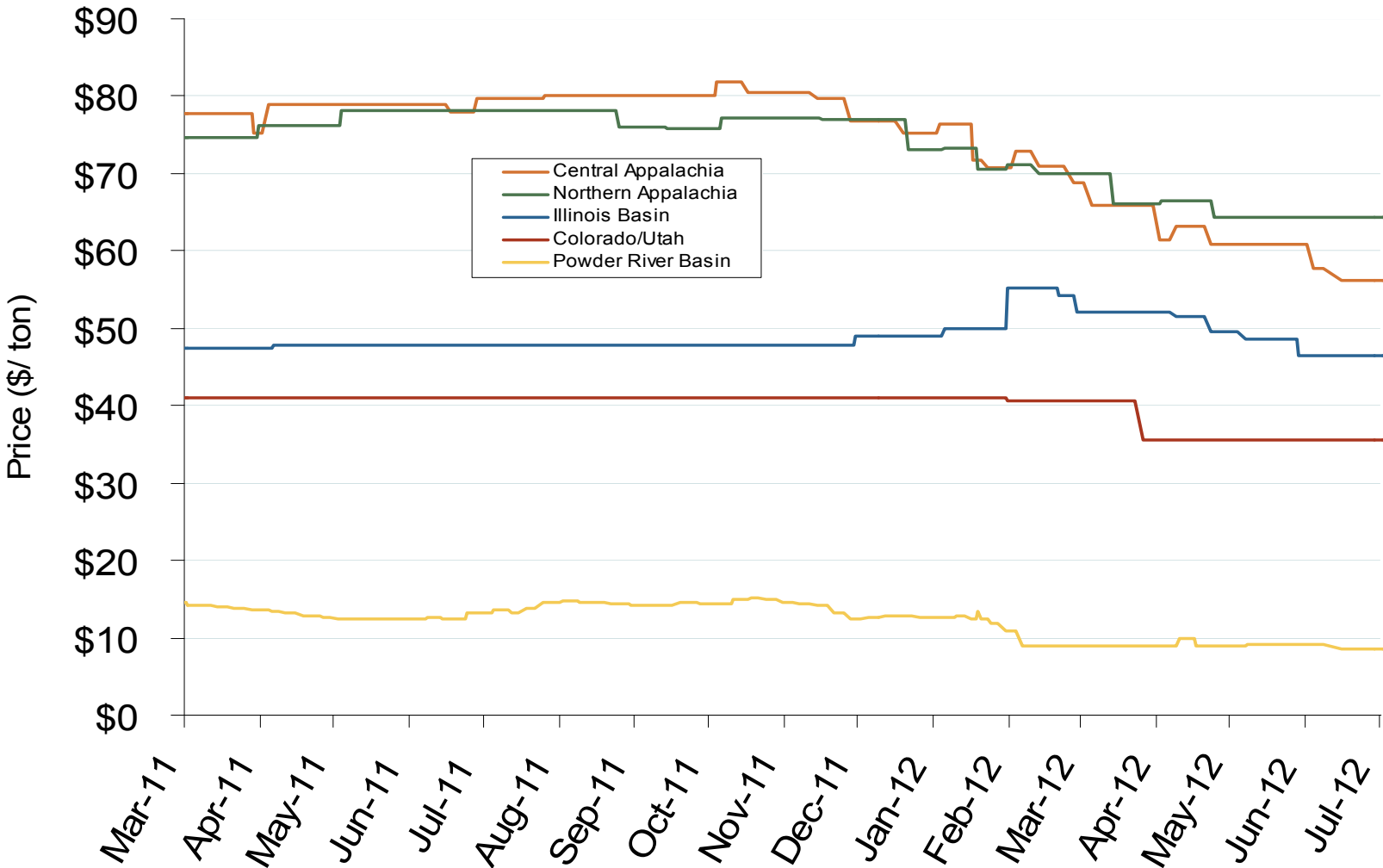


Notes: Coal prices are quoted in \$/ton. Conversion factors to \$/MMBtu are based on contract specifications of 12,000 btus/pound for Central Appalachian coal and 8800 btus/pound for Powder River Basin coal

Source: Derived from ICE and Bloomberg data

Updated: August 06, 2012

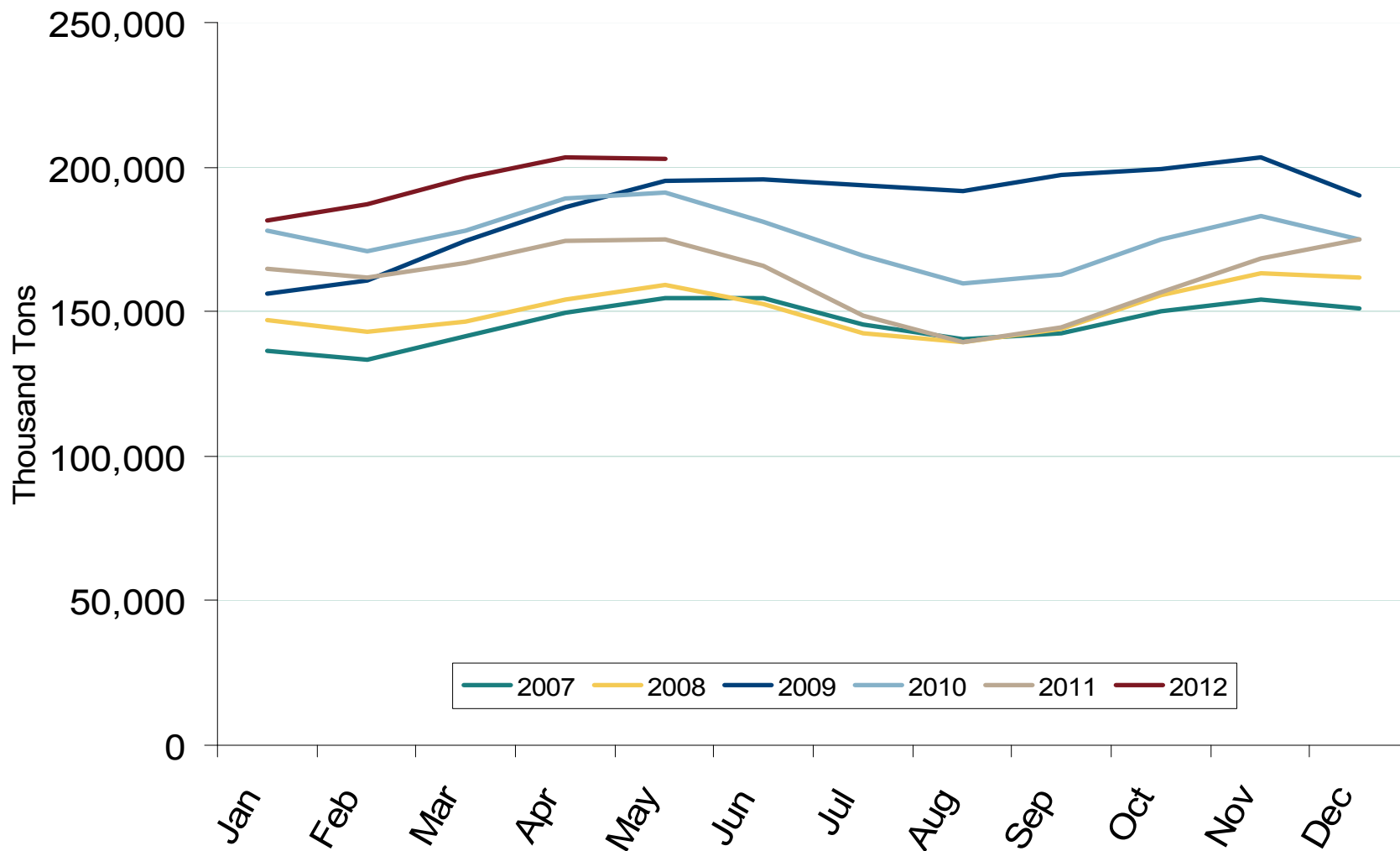
# Central Appalachian and Powder River Basin Coal Prices



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

## U.S. Coal Stockpiles at Electric Power Generating Facilities



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

Updated: August 02, 2012