

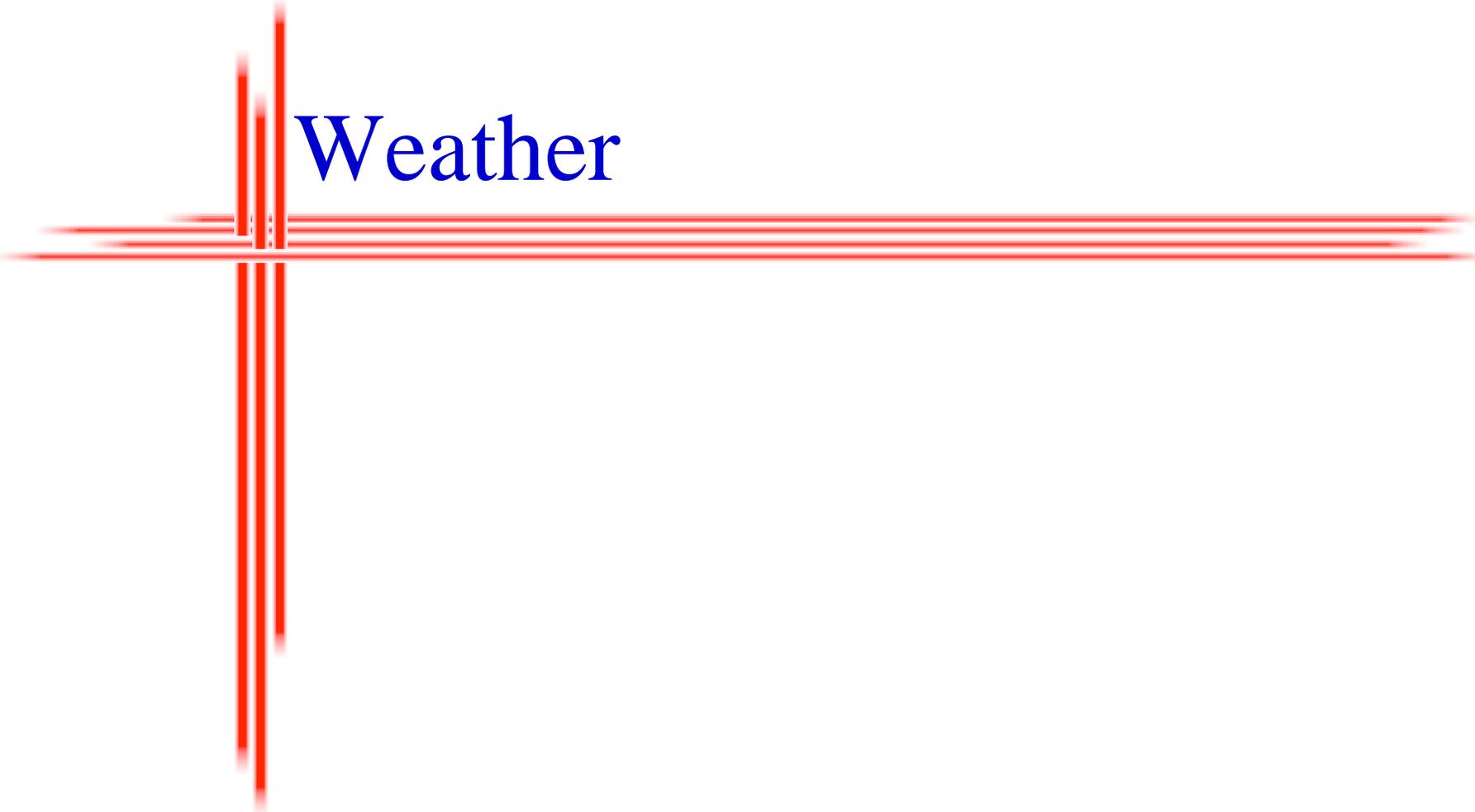
OE ENERGY MARKET SNAPSHOT

Southeast States Version – June 2012 Data

Office of Enforcement
Federal Energy Regulatory Commission
July 2012

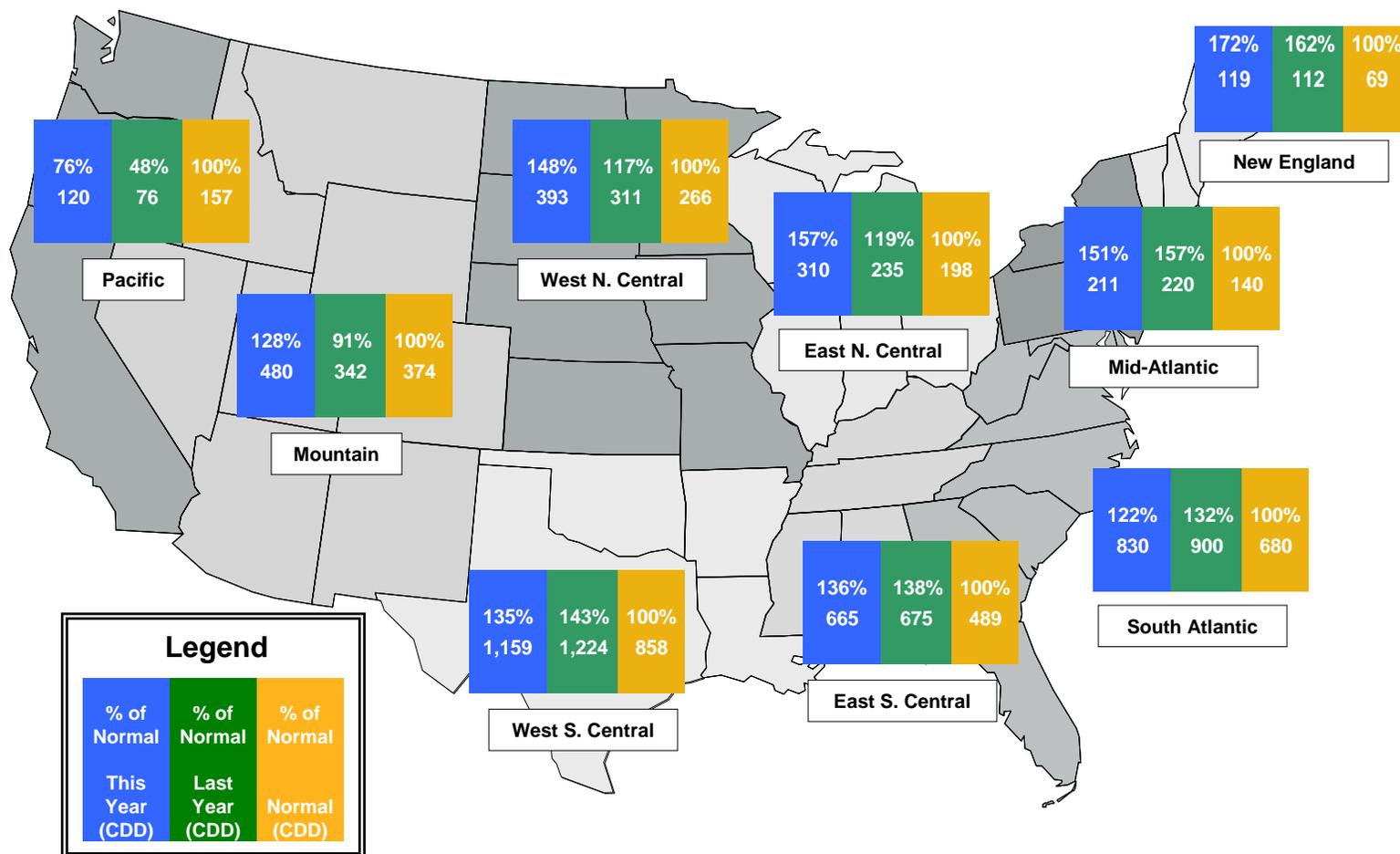
Infrastructure Report

May Infrastructure Report



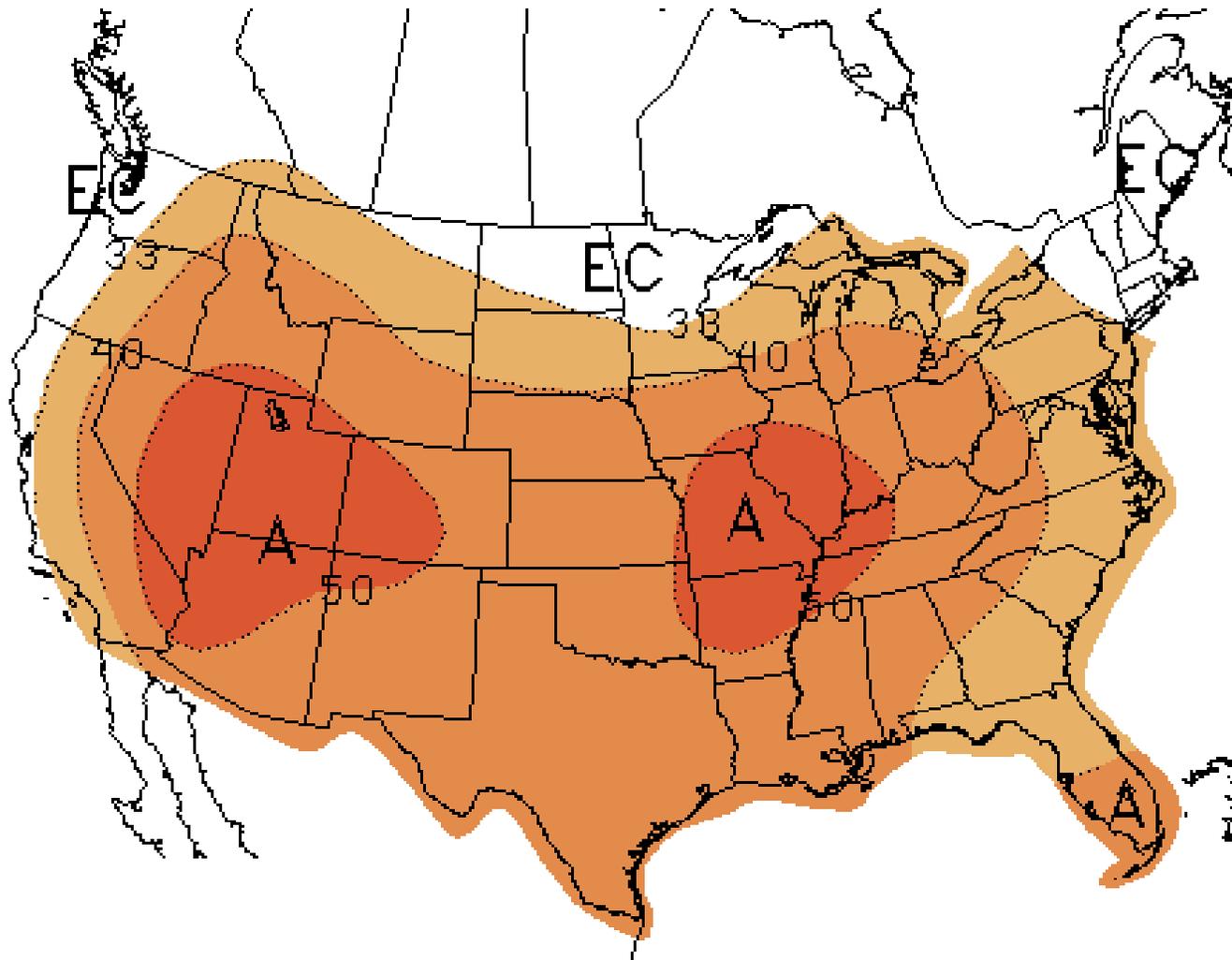
Weather

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 Southeast Snapshot Report

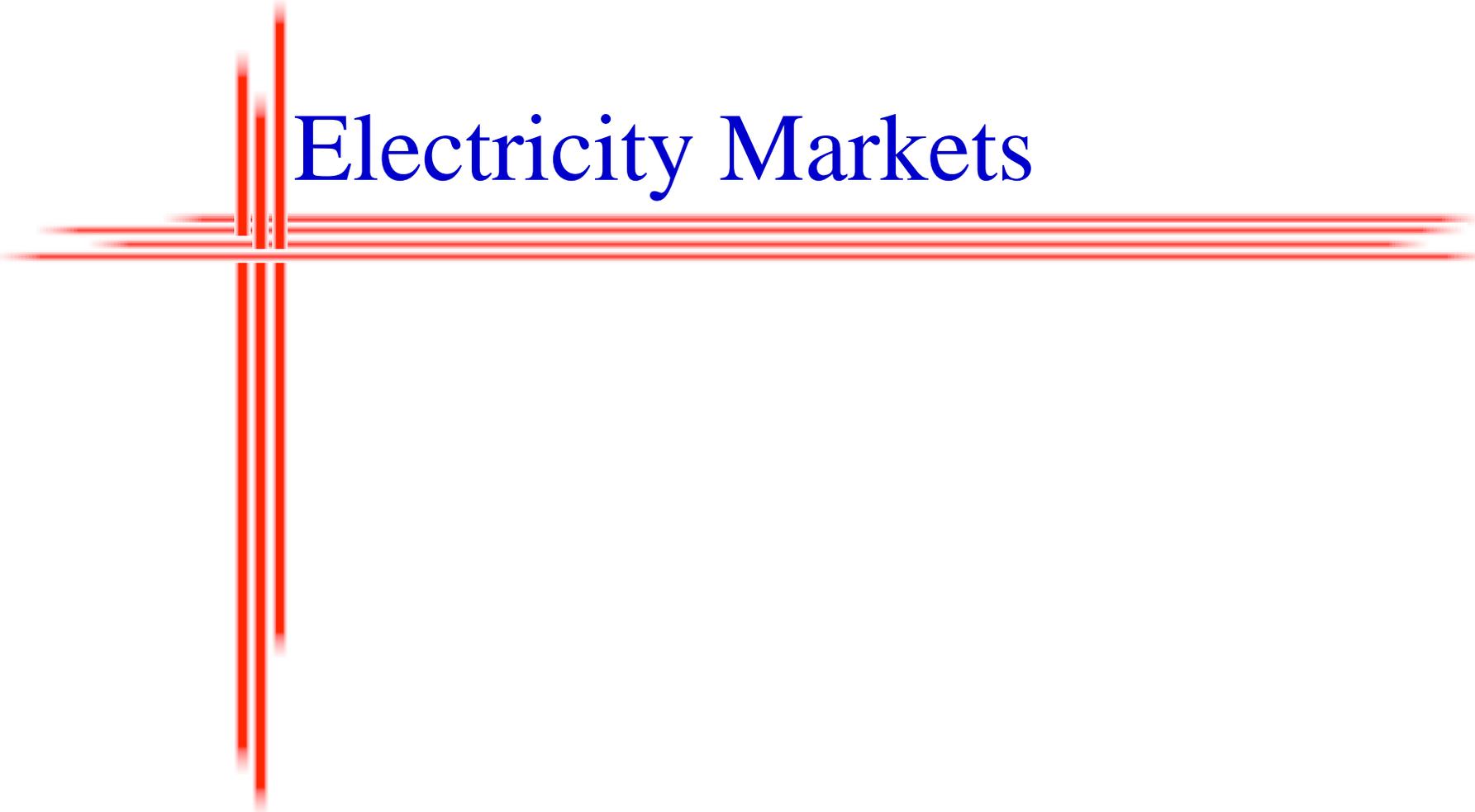
NOAA's 3 Month Temperature Forecast Made June 19, 2012, Valid for July 2012 – August 2012



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

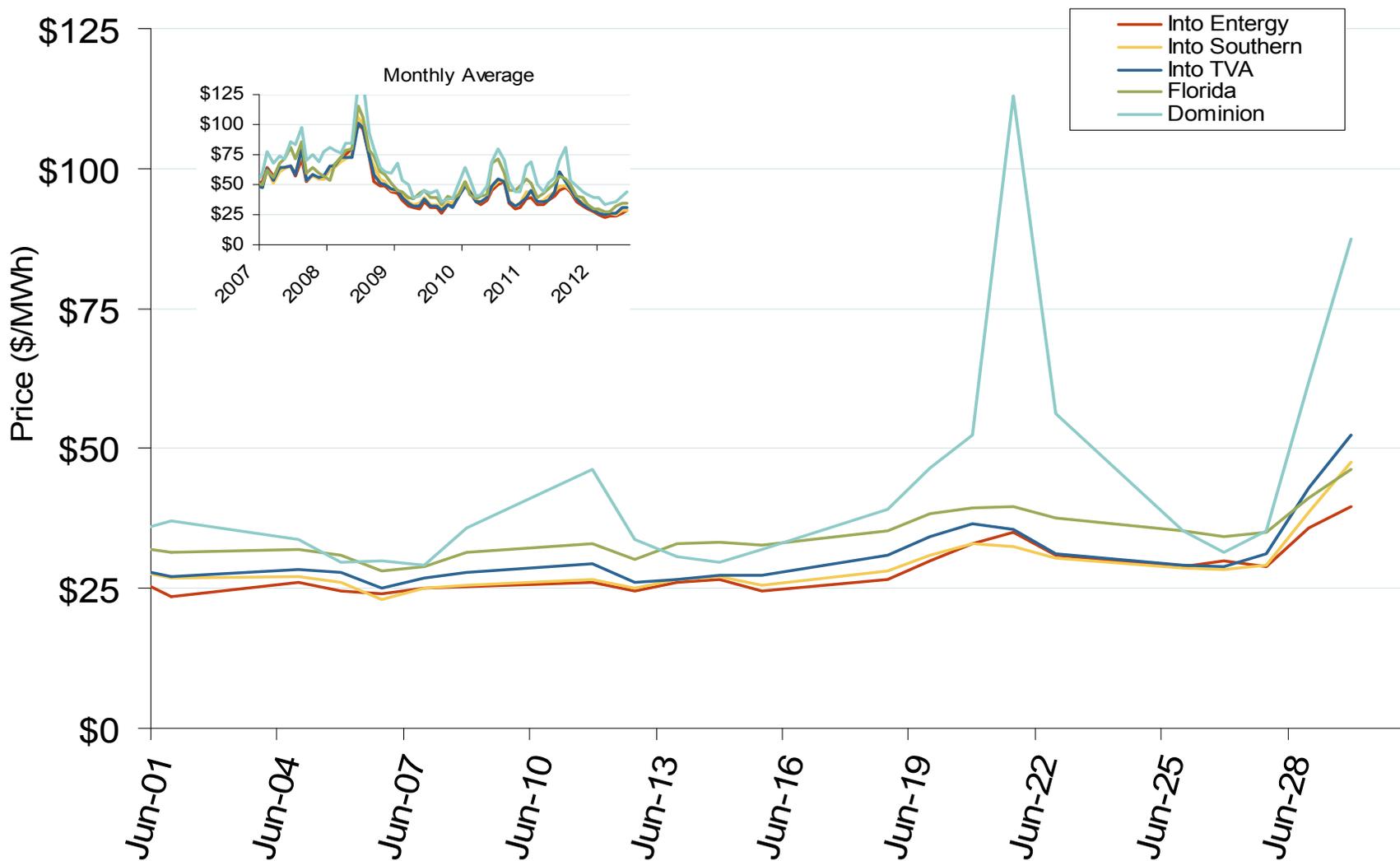


Electricity Markets

Southeast Electric Market: Last Month's Southeastern Index Prices

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

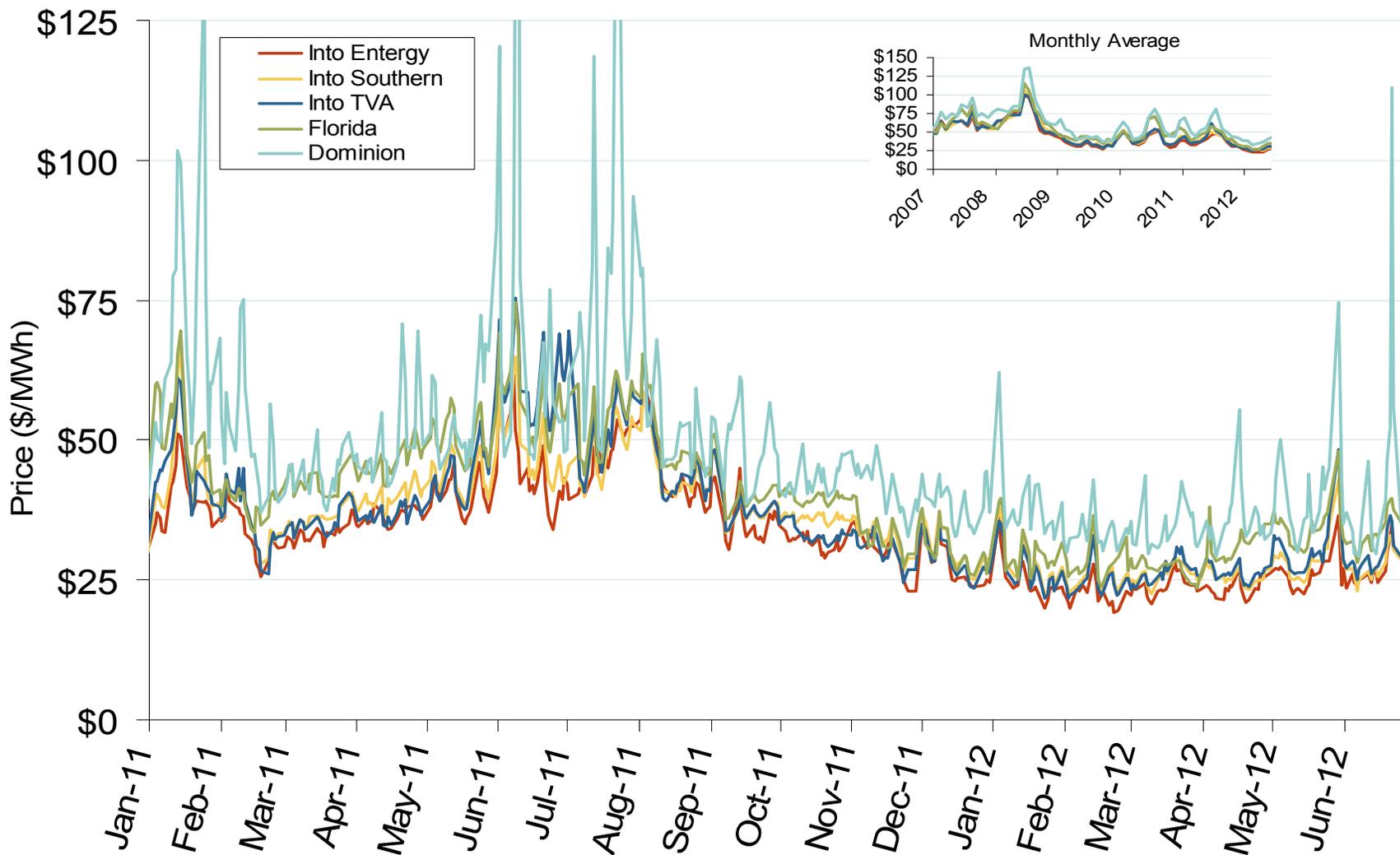
Southeastern Daily Index Day-Ahead On-Peak Prices



Southeast Electric Market: Southeastern Index Prices

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

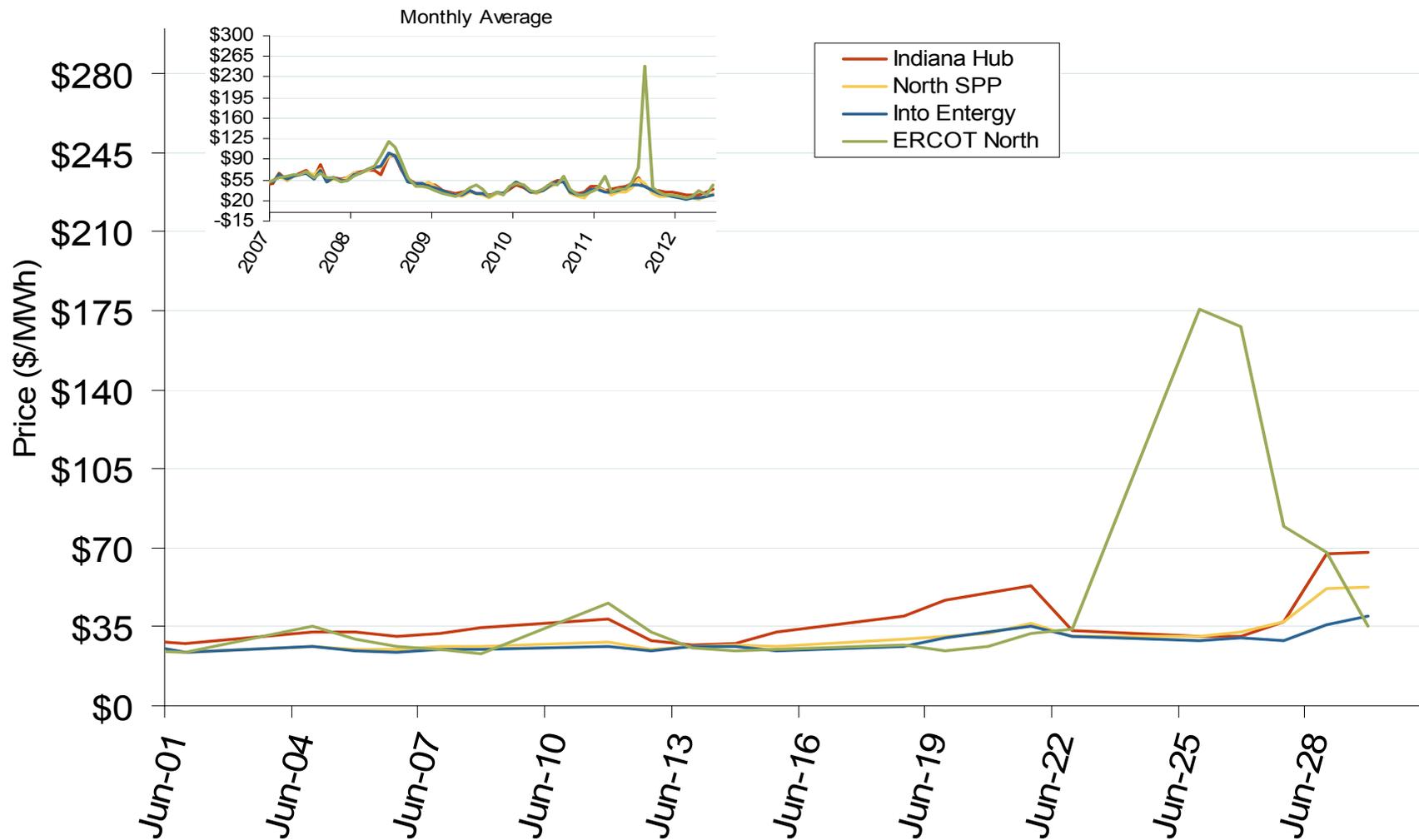
Southeastern Daily Index Day-Ahead On-Peak Prices



Southeast Electric Market: Last Month's Midwestern Index Prices

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

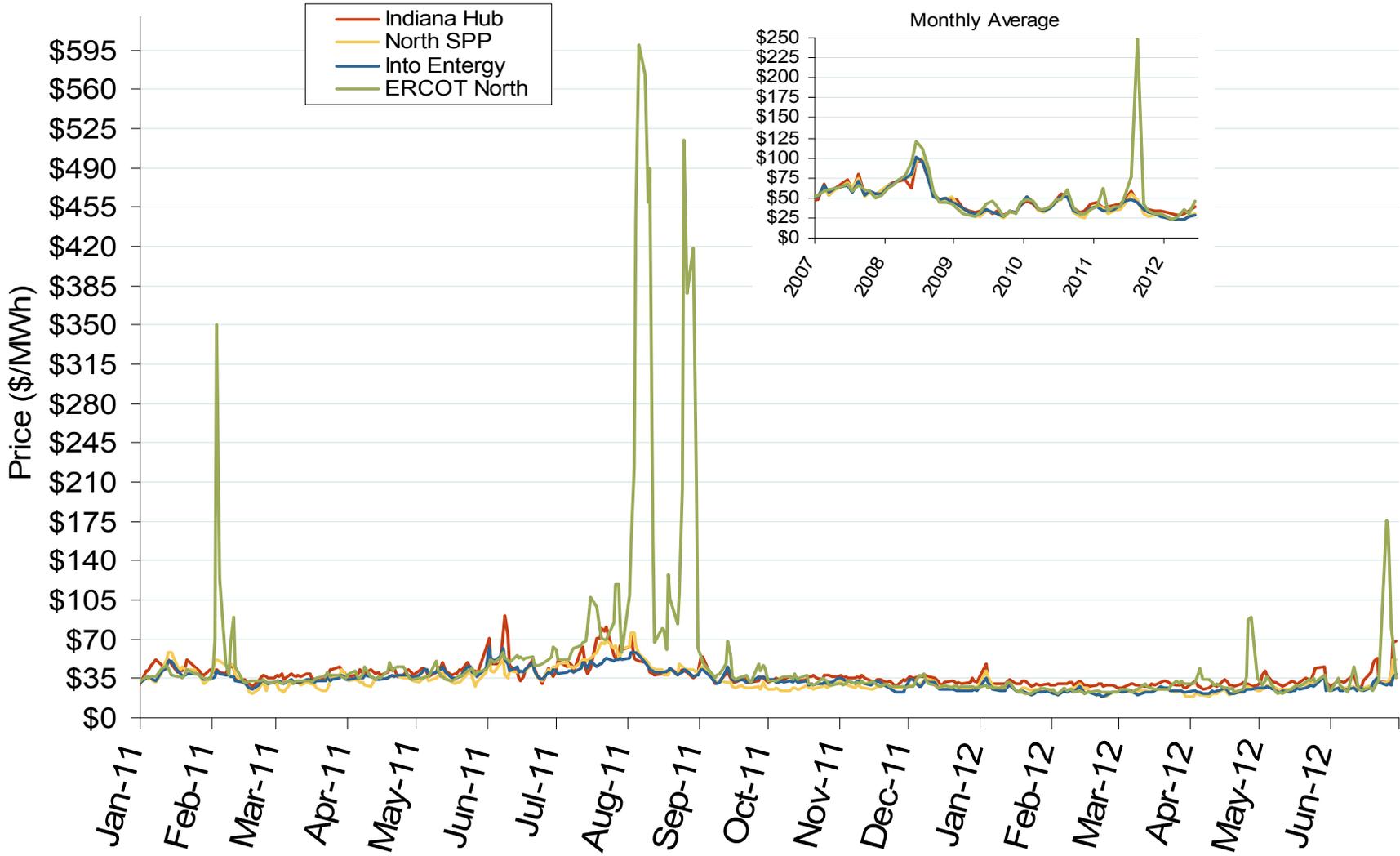
Midwestern Daily Index Day-Ahead On-Peak Prices



Southeast Electric Market: Midwestern Index Prices

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

Midwestern Daily Index Day-Ahead On-Peak Prices



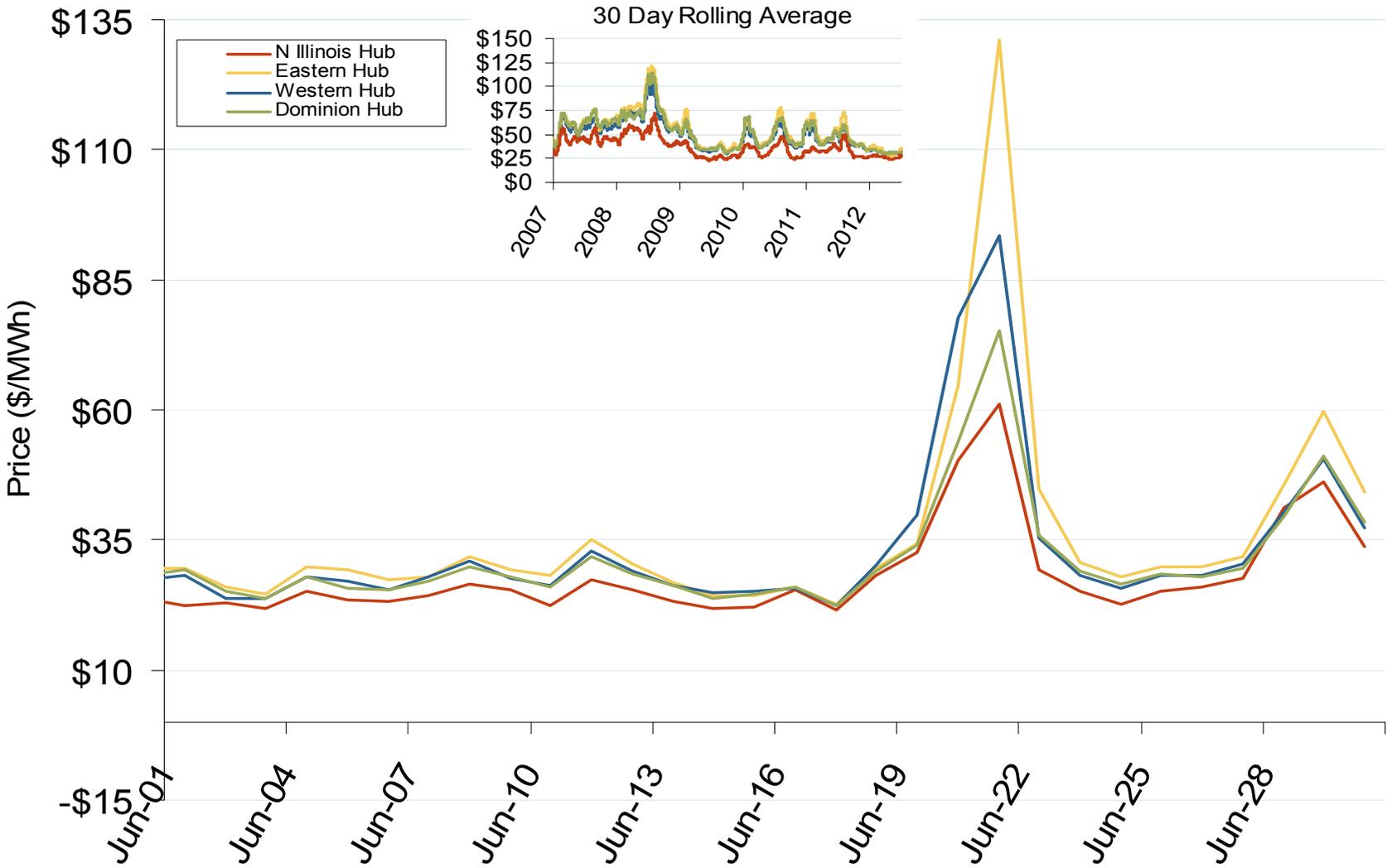
Source: Derived from Platts data
July 2012 Southeast Snapshot Report

Updated: July 23, 2012

PJM Electric Market: Last Month's RTO Prices

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

Daily Average of PJM Day-Ahead Prices - All Hours



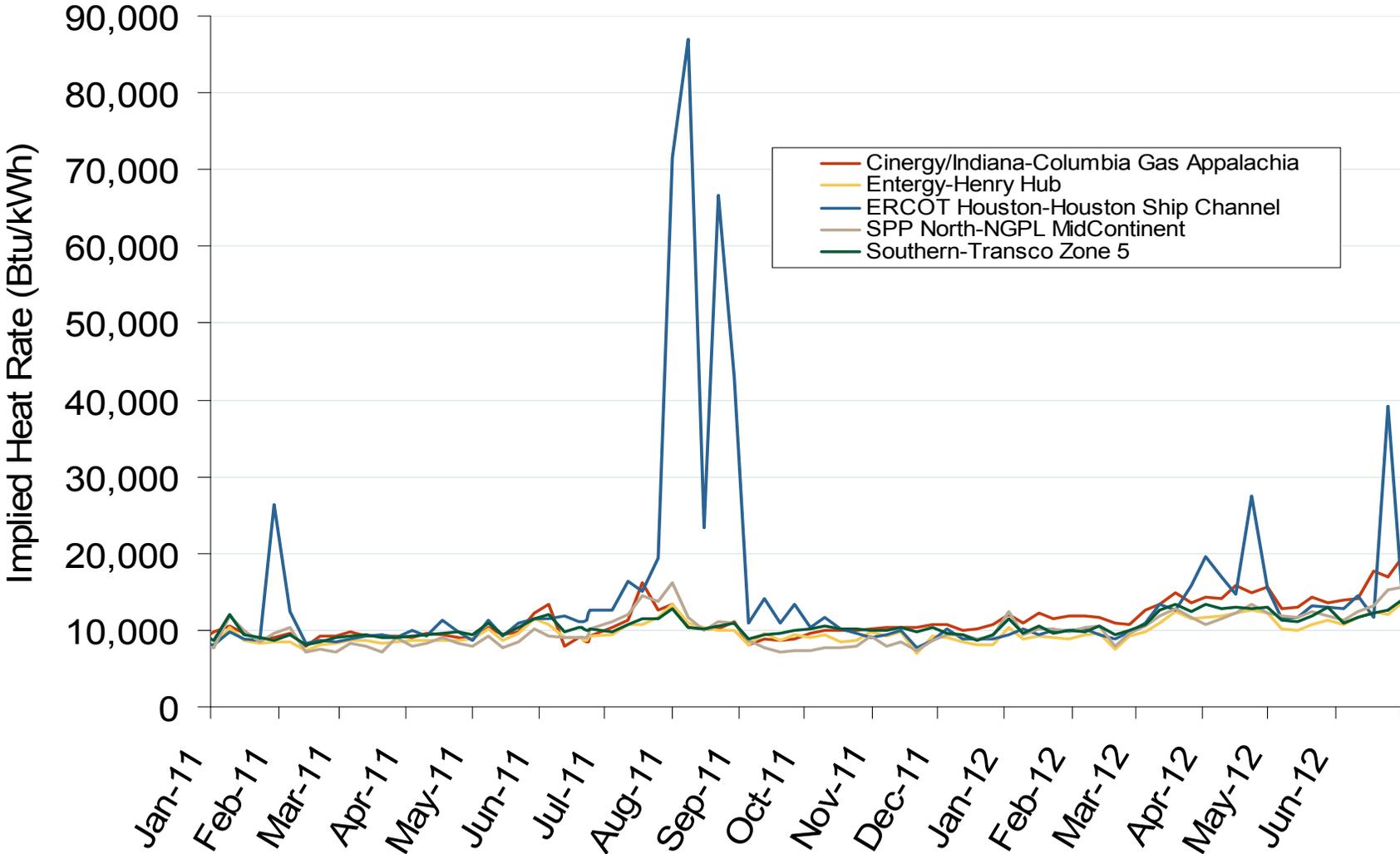
Source: Derived from Bloomberg data
July 2012 Southeast Snapshot Report

Updated: July 23, 2012

Southeast Electric Market: South Central Implied Heat Rates

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

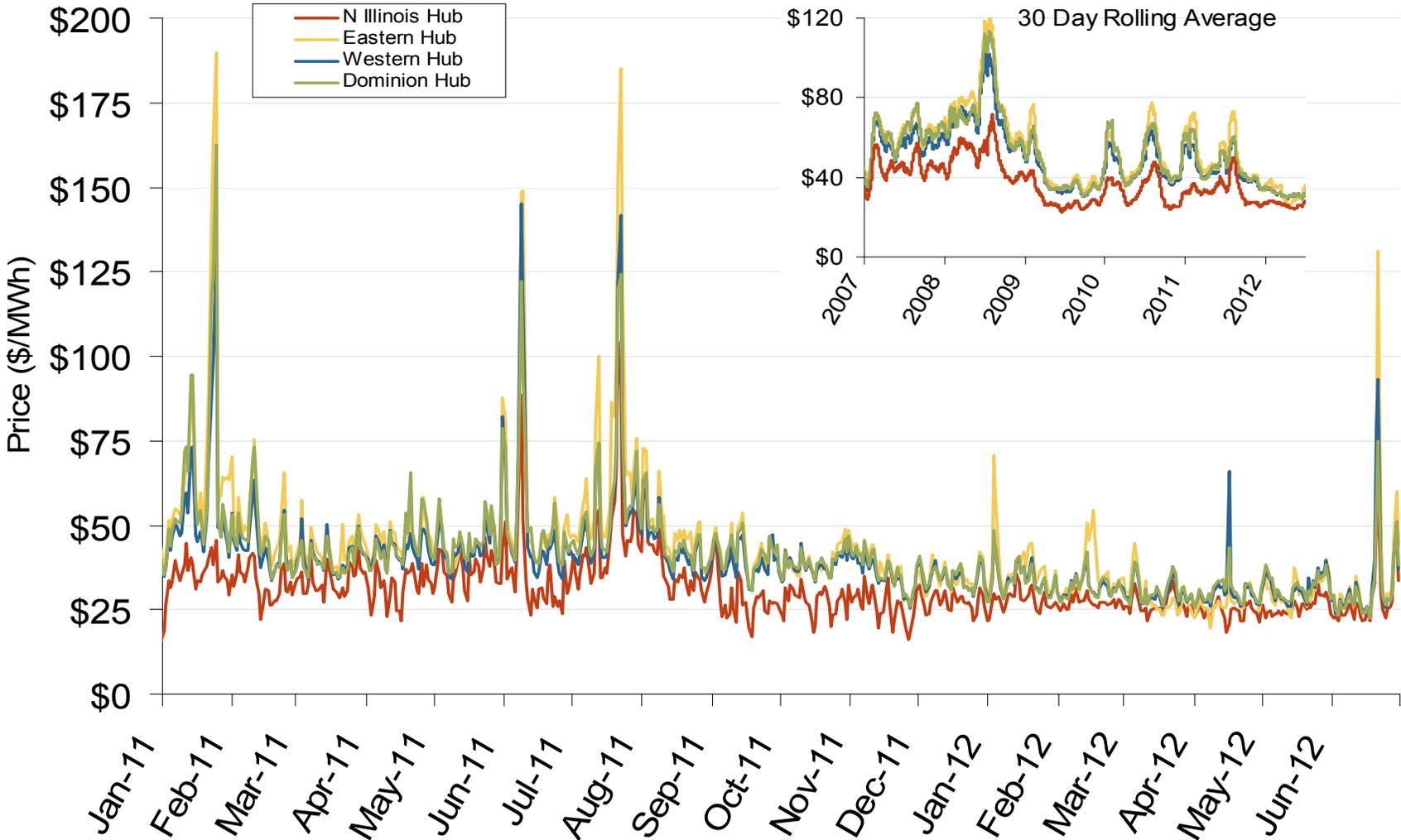
Implied Heat Rates at South Central Trading Points - Weekly Avgs.



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

Updated: July 23, 2012

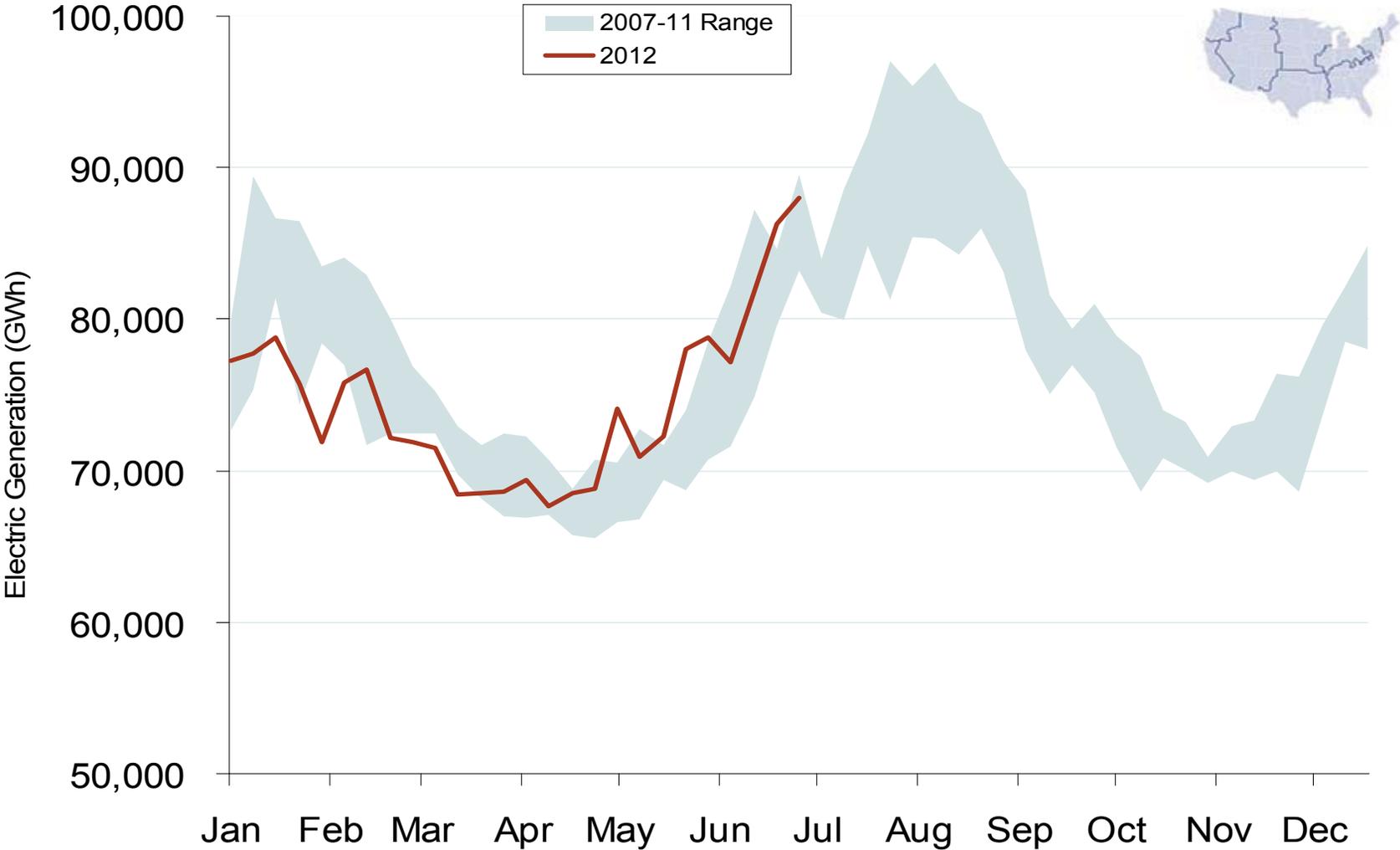
Daily Average of PJM Day-Ahead Prices - All Hours



Source: Derived from Bloomberg data
July 2012 Southeast Snapshot Report

Updated: July 23, 2012

Weekly U.S. Electric Generation Output



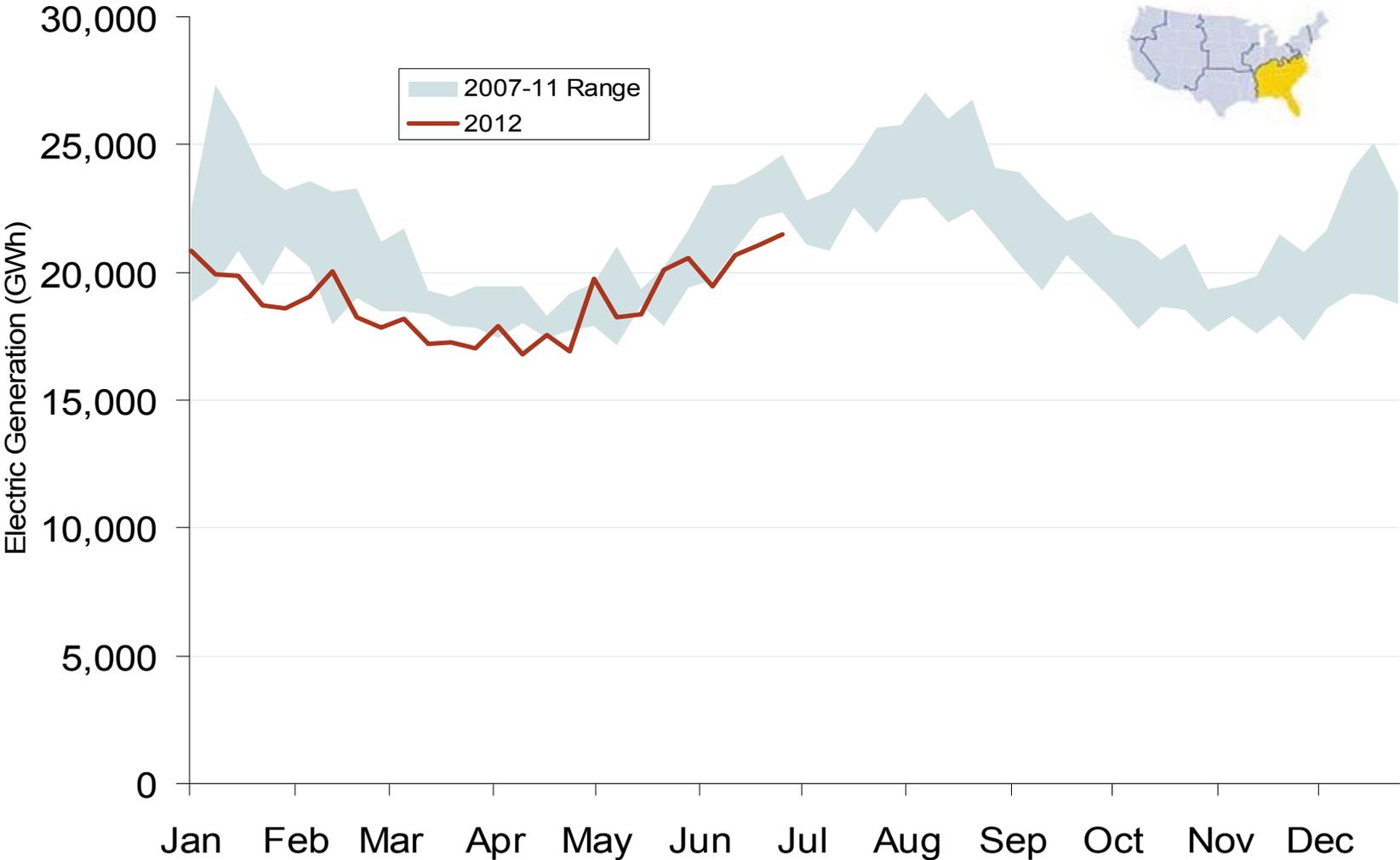
Source: Derived from EEI data
July 2012 Southeast Snapshot Report

Updated: July 11, 2012

Southeast Electric Market: Generation Output

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

Weekly Generation Output - Southeast



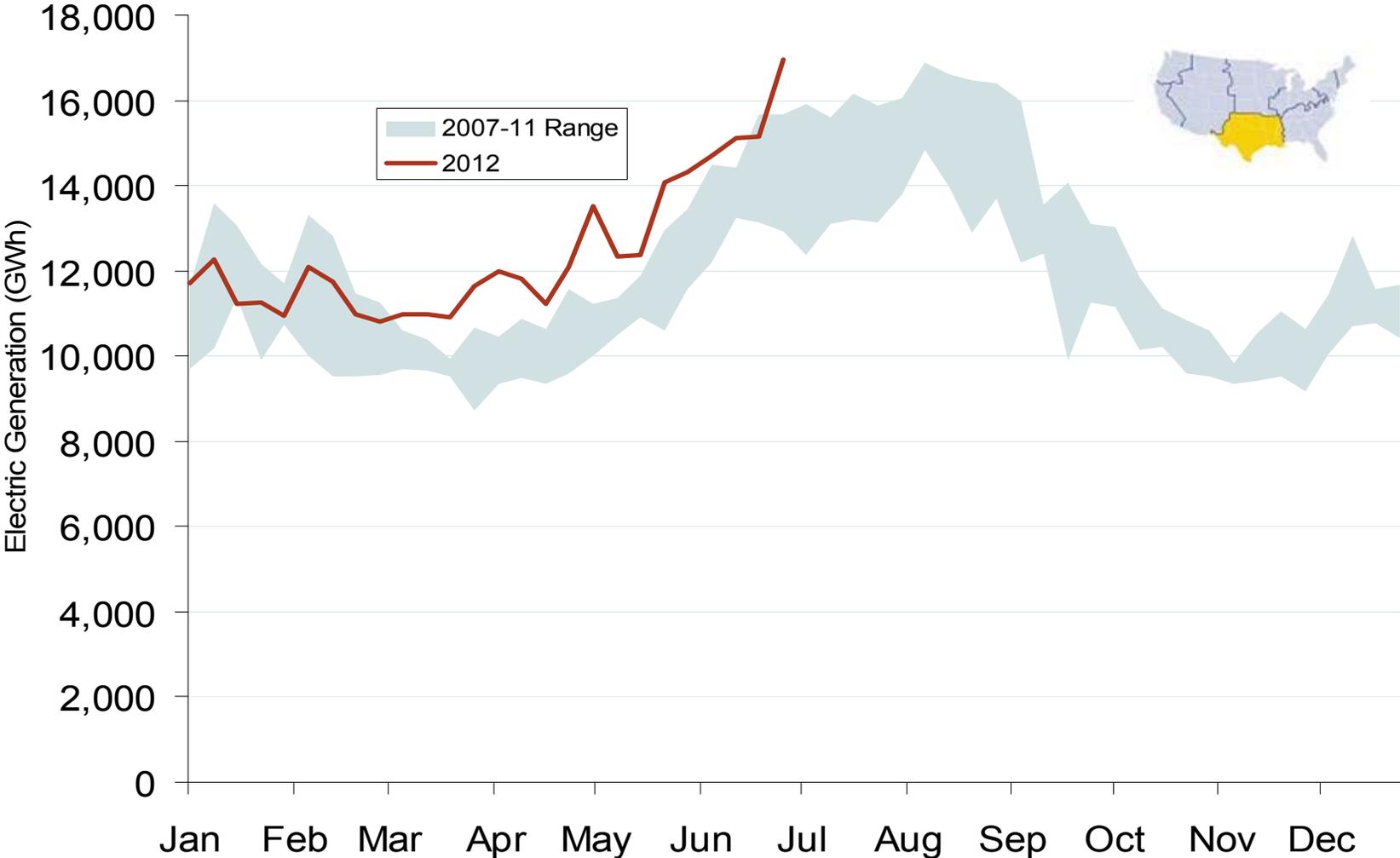
Source: Derived from EEI data
July 2012 Southeast Snapshot Report

Updated: July 11, 2012

Texas Electric Market: Generation Output

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

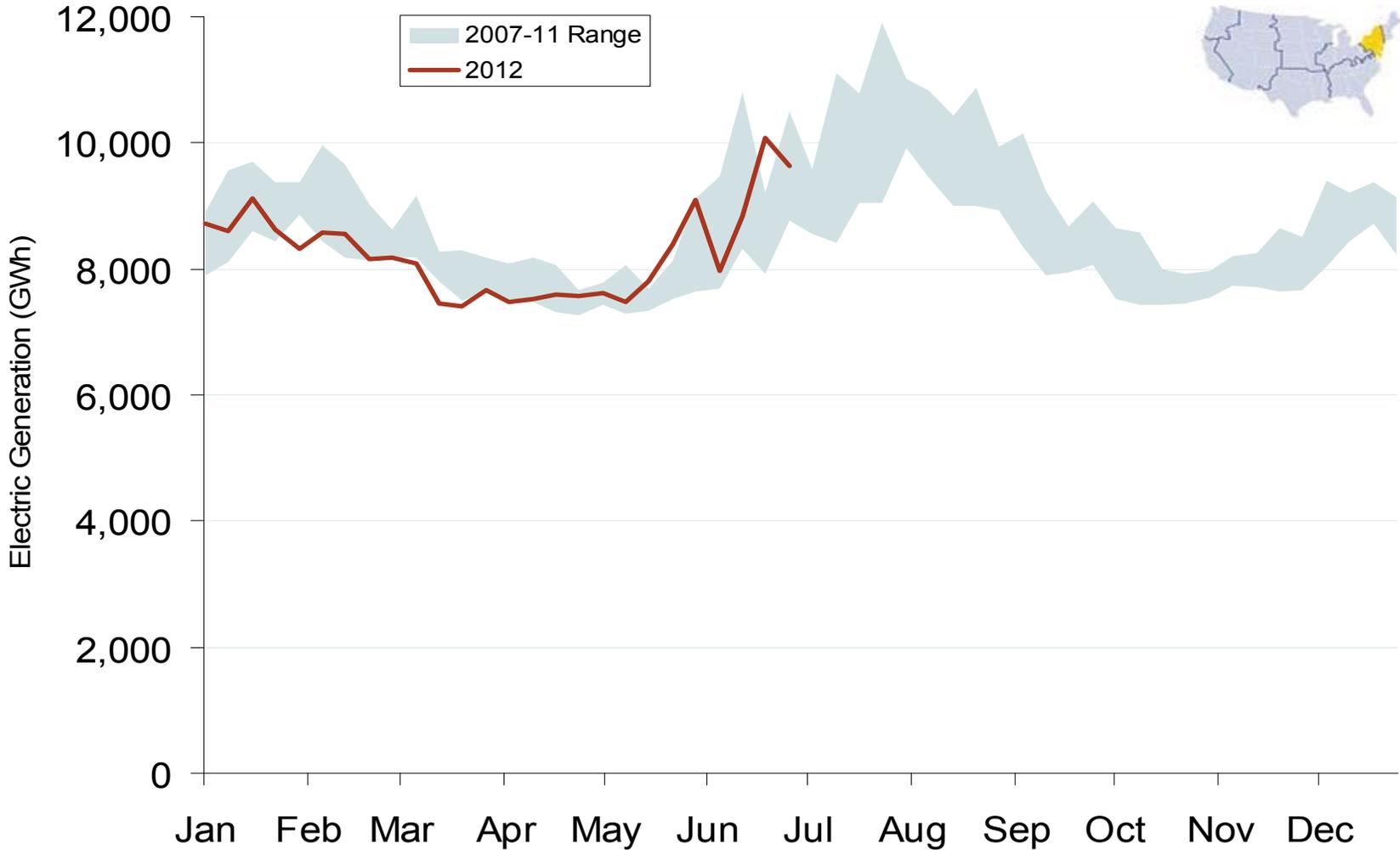
Weekly Generation Output - South Central



Source: Derived from *EEI* data
July 2012 Southeast Snapshot Report

Updated: July 11, 2012

Weekly Generation Output - Mid Atlantic



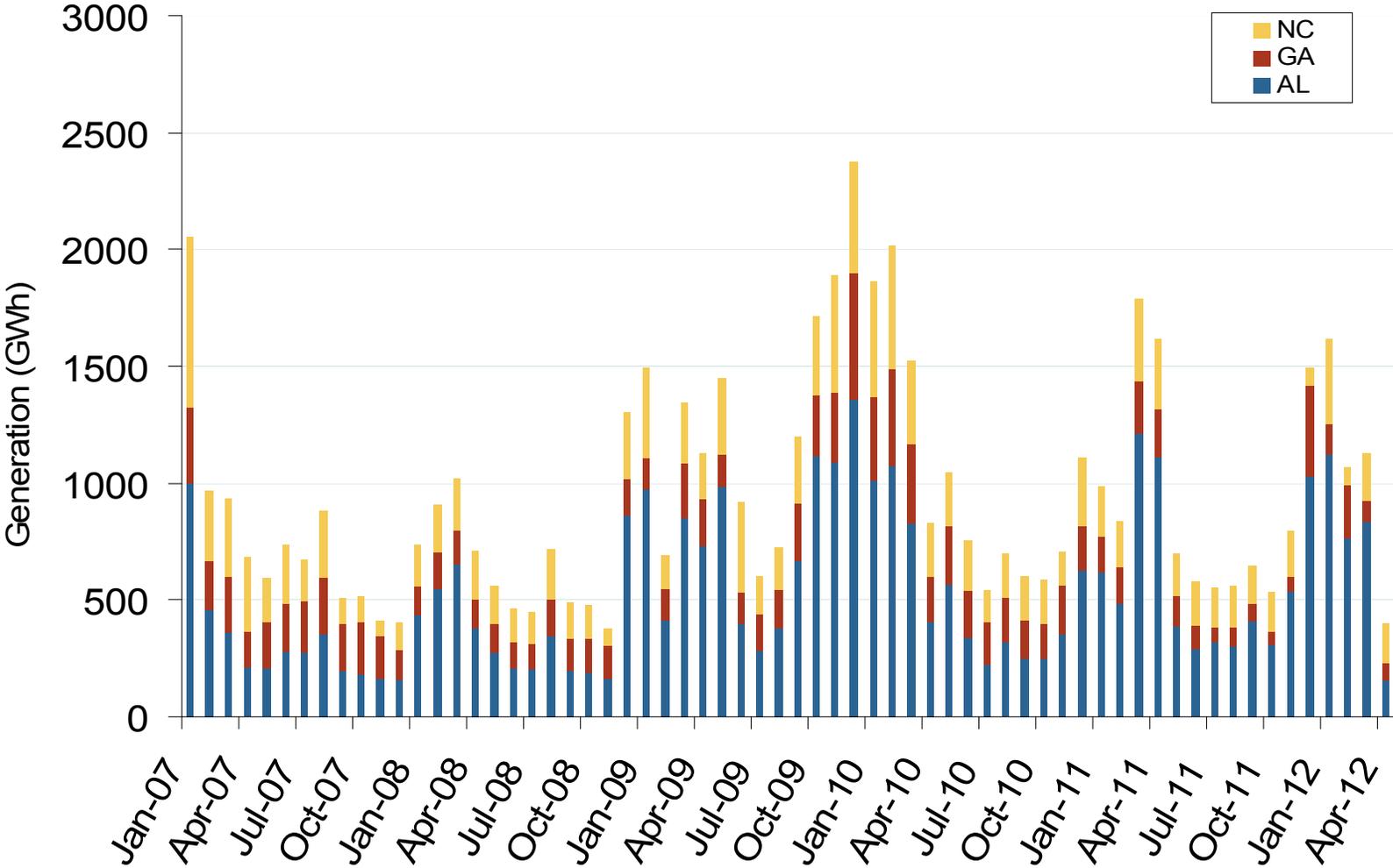
Source: Derived from *EEI* data
July 2012 Southeast Snapshot Report

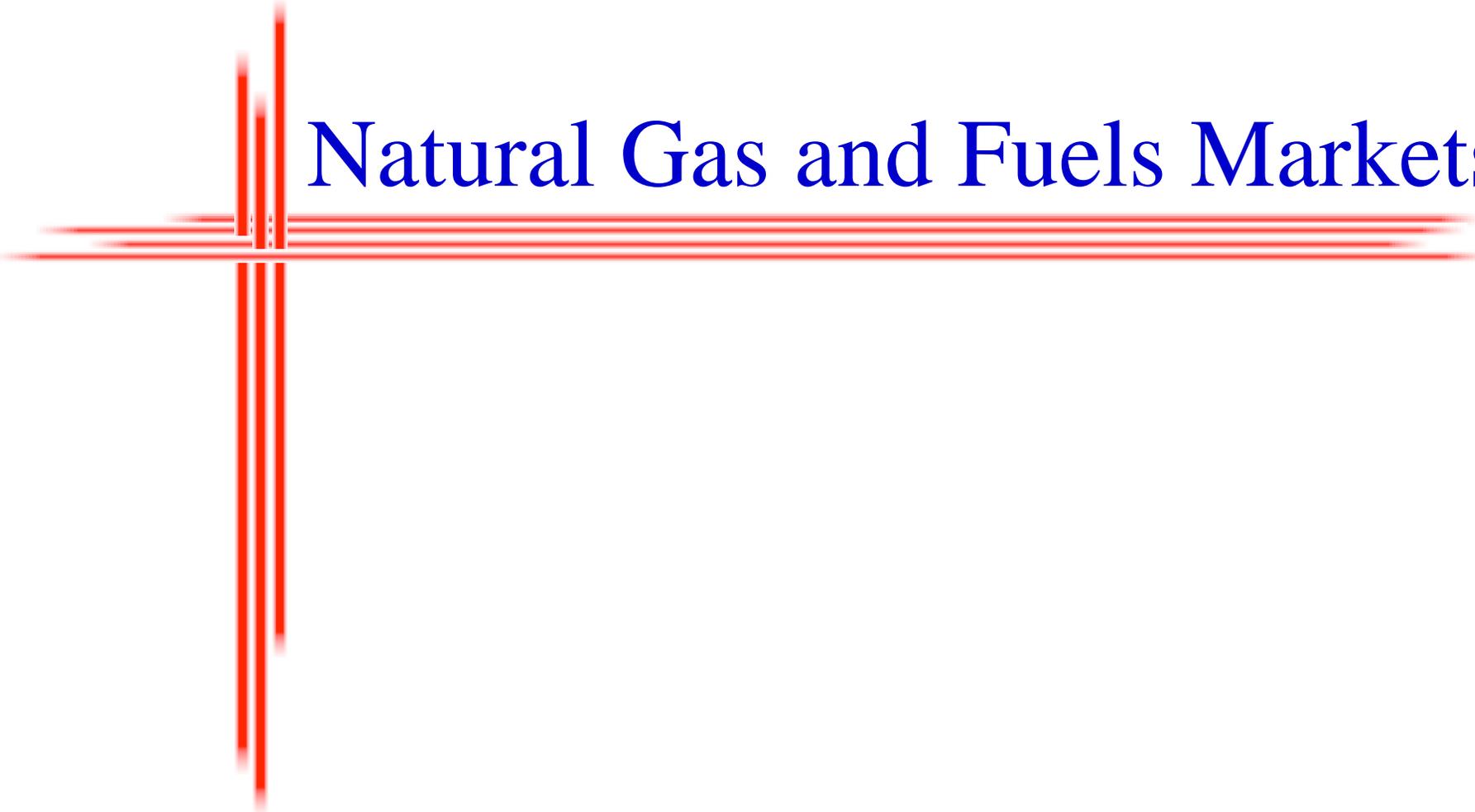
Updated: July 11, 2012

Southeast Electric Market: Hydro Generation

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

Monthly Southeastern Hydroelectric Generation



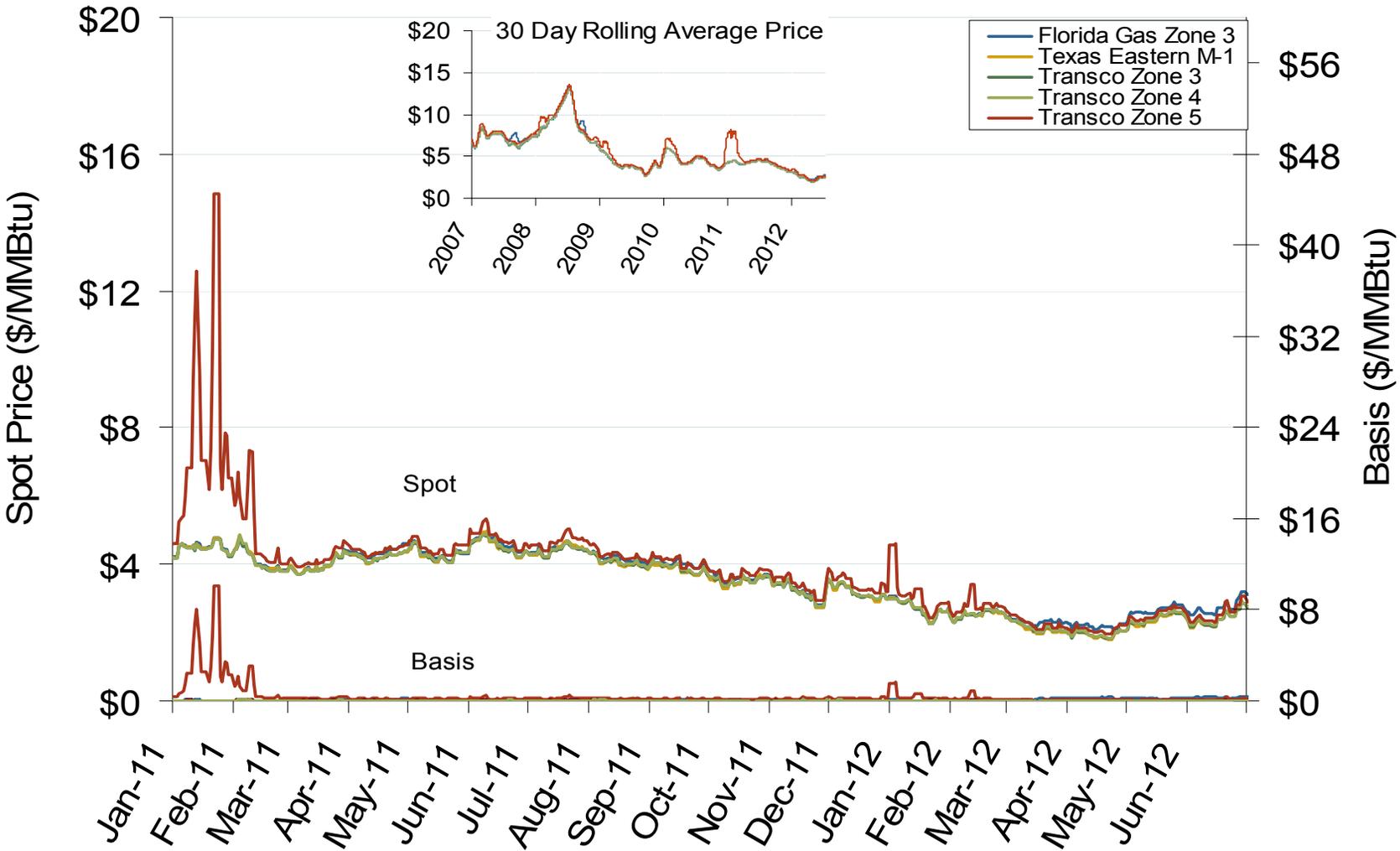


Natural Gas and Fuels Markets

Southeast Natural Gas Market: Spot Prices and Basis

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

Southeastern Day-Ahead Hub Spot Prices and Basis



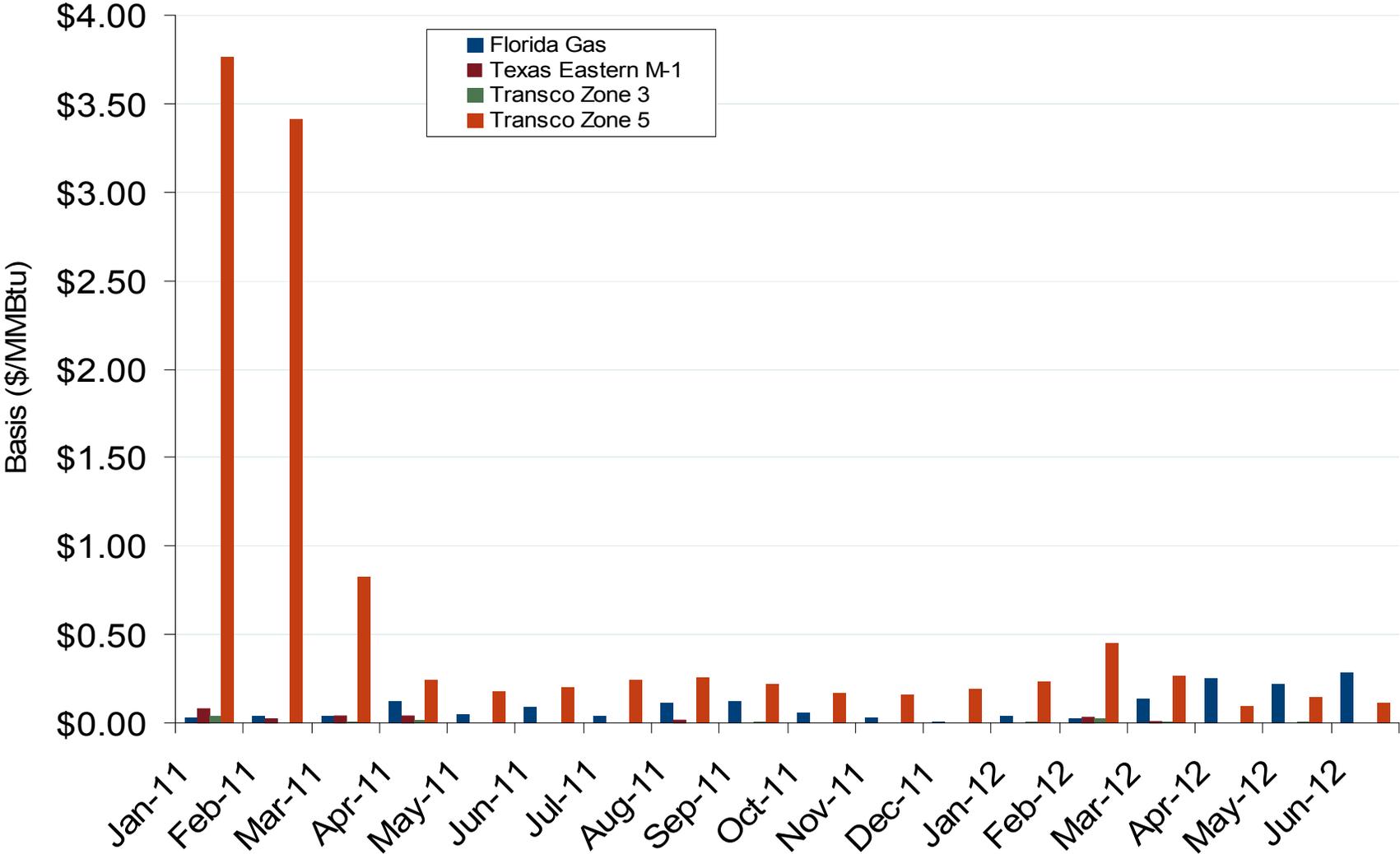
Source: Derived from Platts data
July 2012 Southeast Snapshot Report

Updated: July 06, 2012

Southeast Natural Gas Market: Average Basis to Henry Hub

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

Southeastern Monthly Average Basis Value to Henry Hub



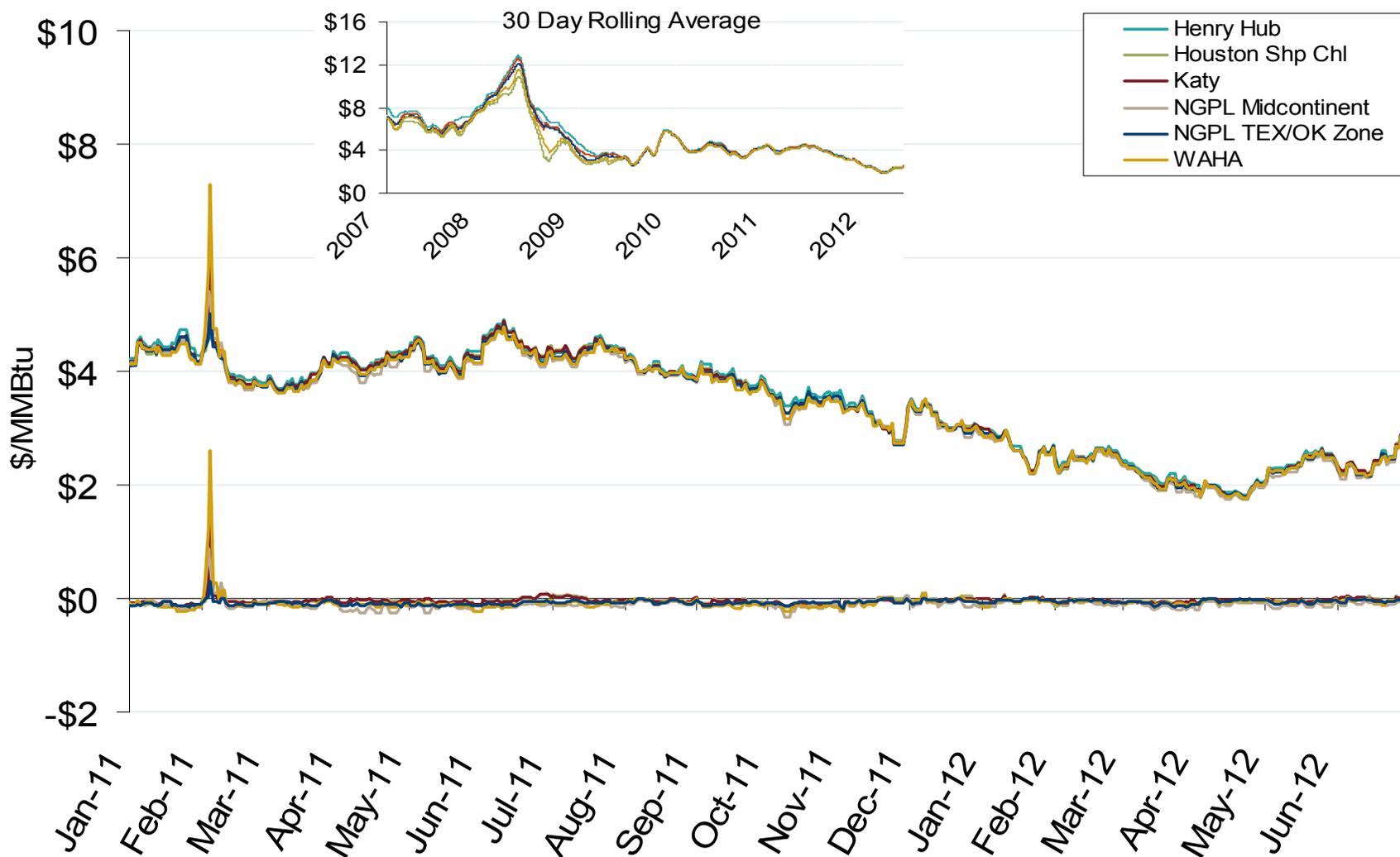
Source: Derived from Platts data
July 2012 Southeast Snapshot Report

Updated: July 06, 2012

South Central Natural Gas Market: Spot Prices and Basis

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

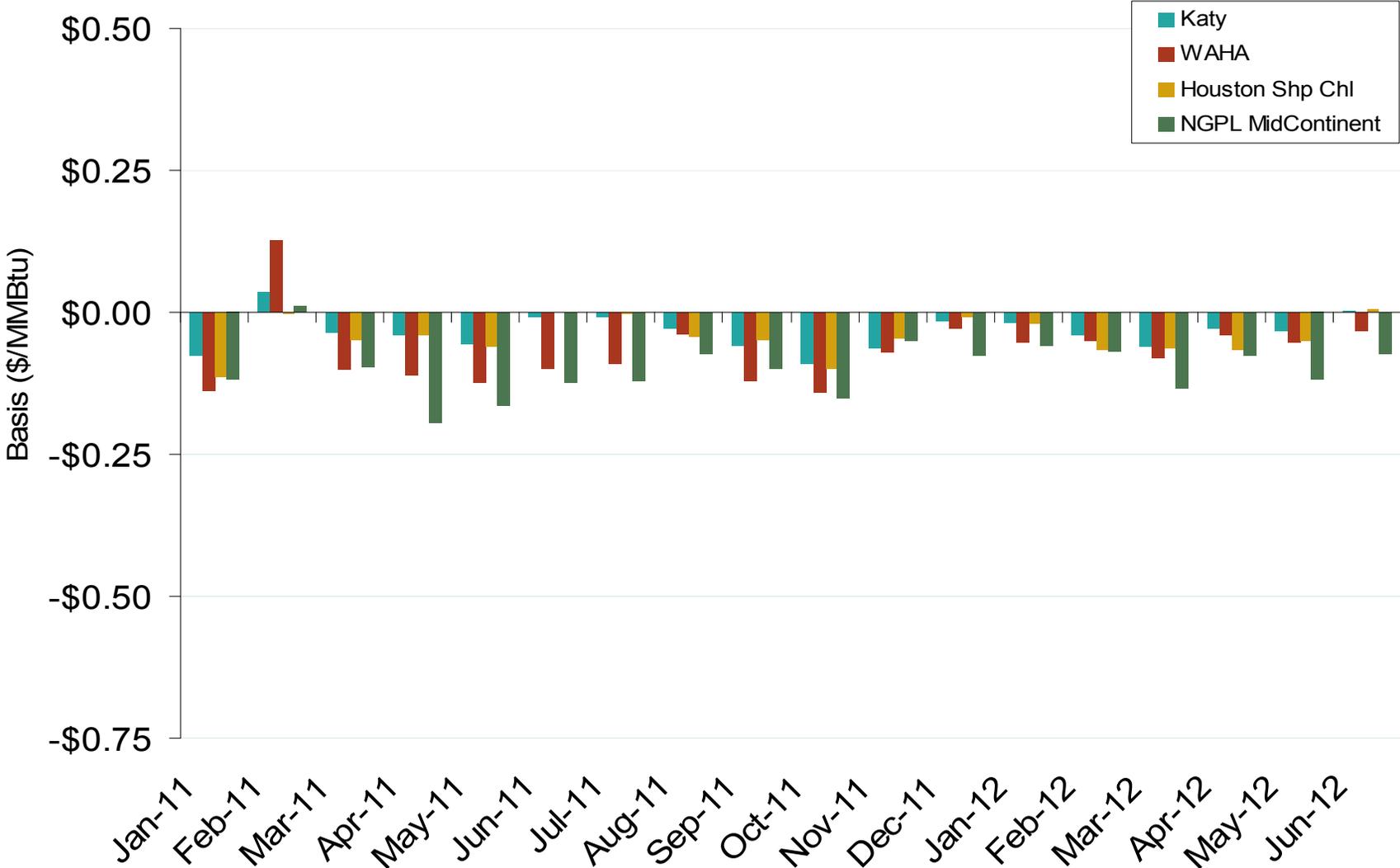
Gulf Day-Ahead Hub Spot Prices and Basis



Gulf Natural Gas Market: Average Basis to Henry Hub

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

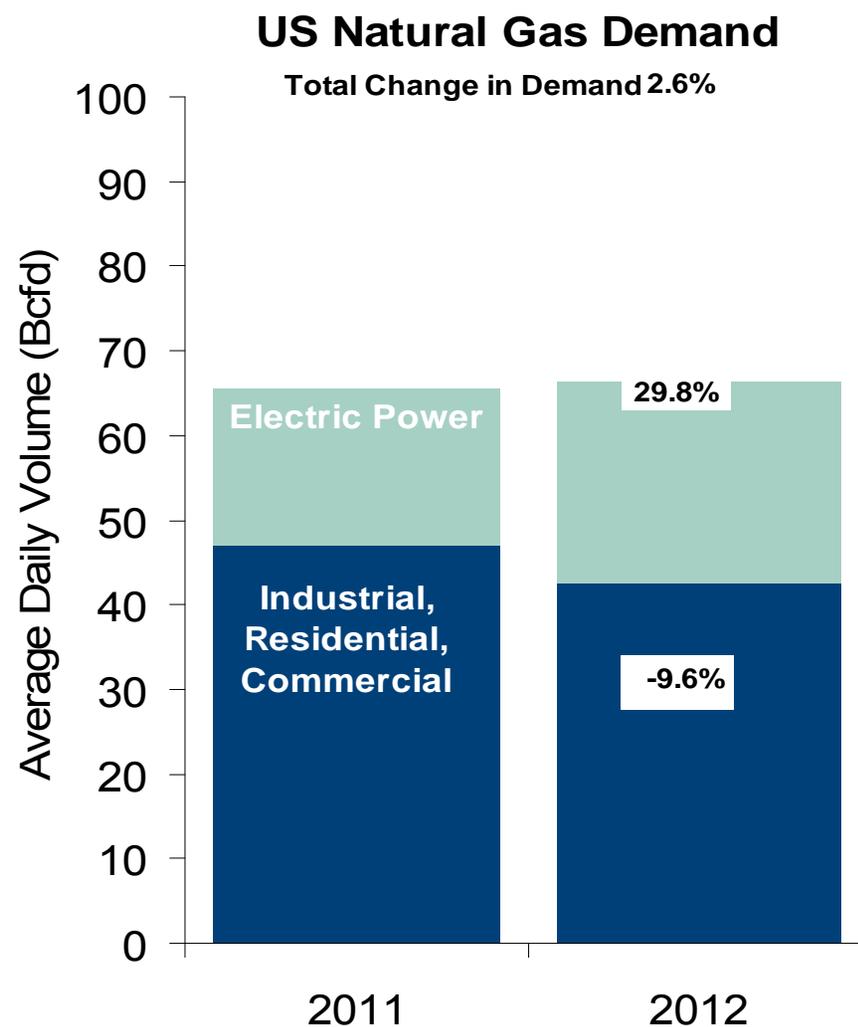
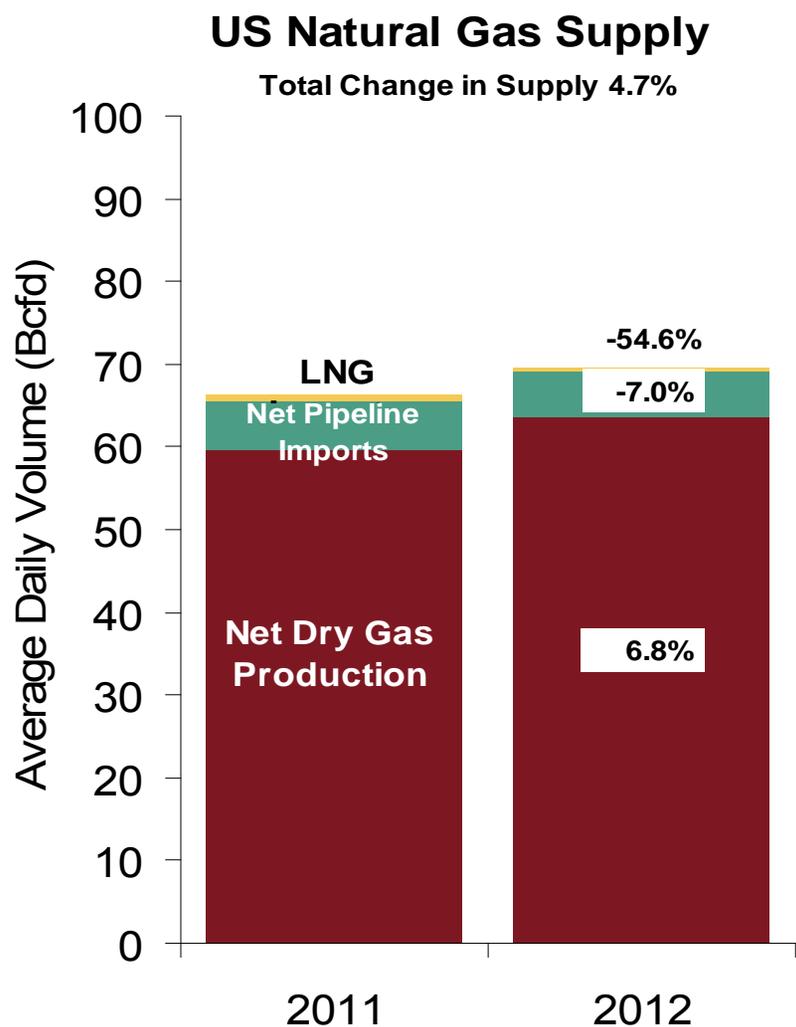
Gulf Monthly Average Basis Value to Henry Hub



Source: Derived from Platts data
July 2012 Southeast Snapshot Report

Updated: July 06, 2012

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

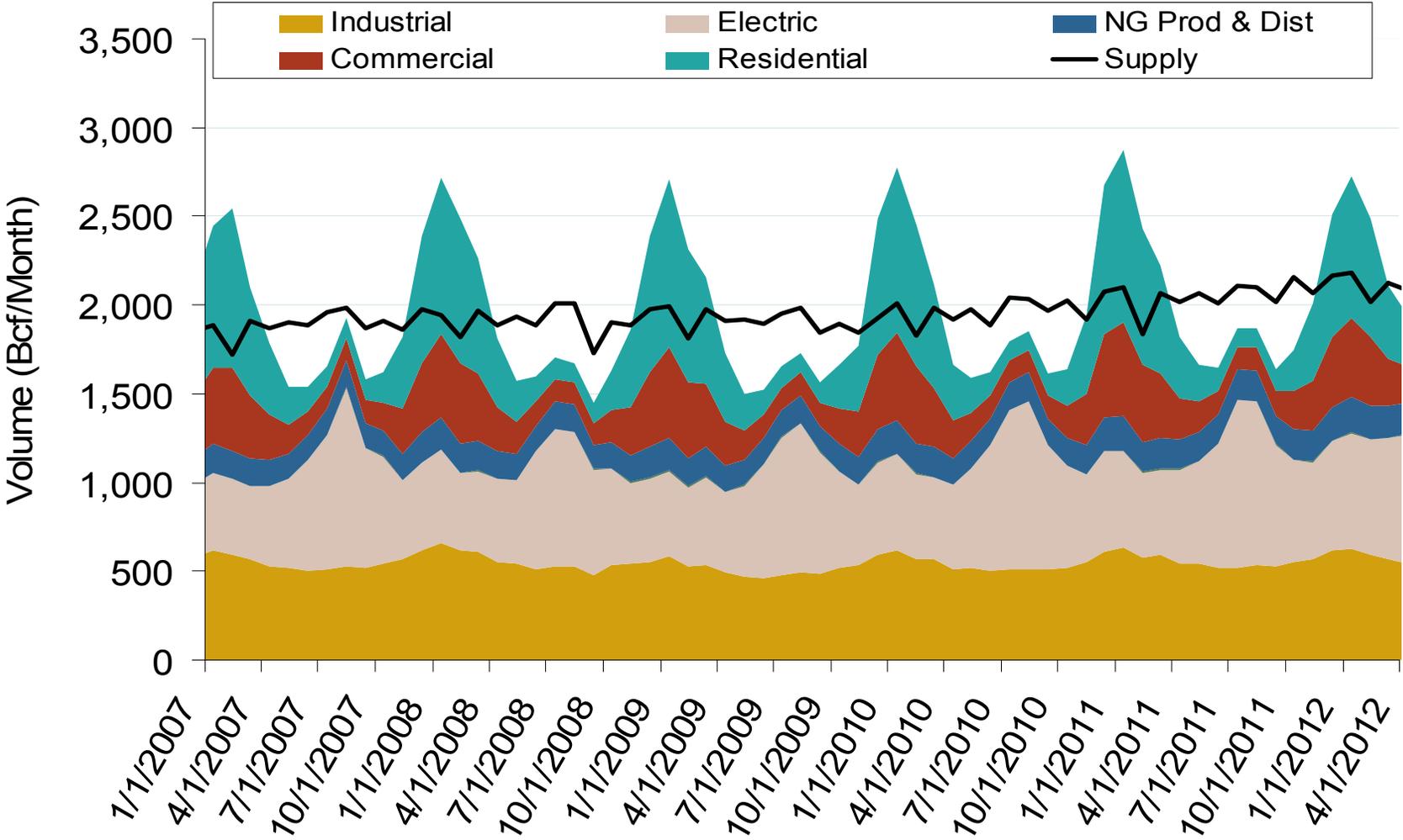
July 2012 Southeast Snapshot Report

Updated: July 11, 2012

Natural Gas market Overview: Consumption by Sector

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

Annual U.S. Natural Gas Consumption by Sector



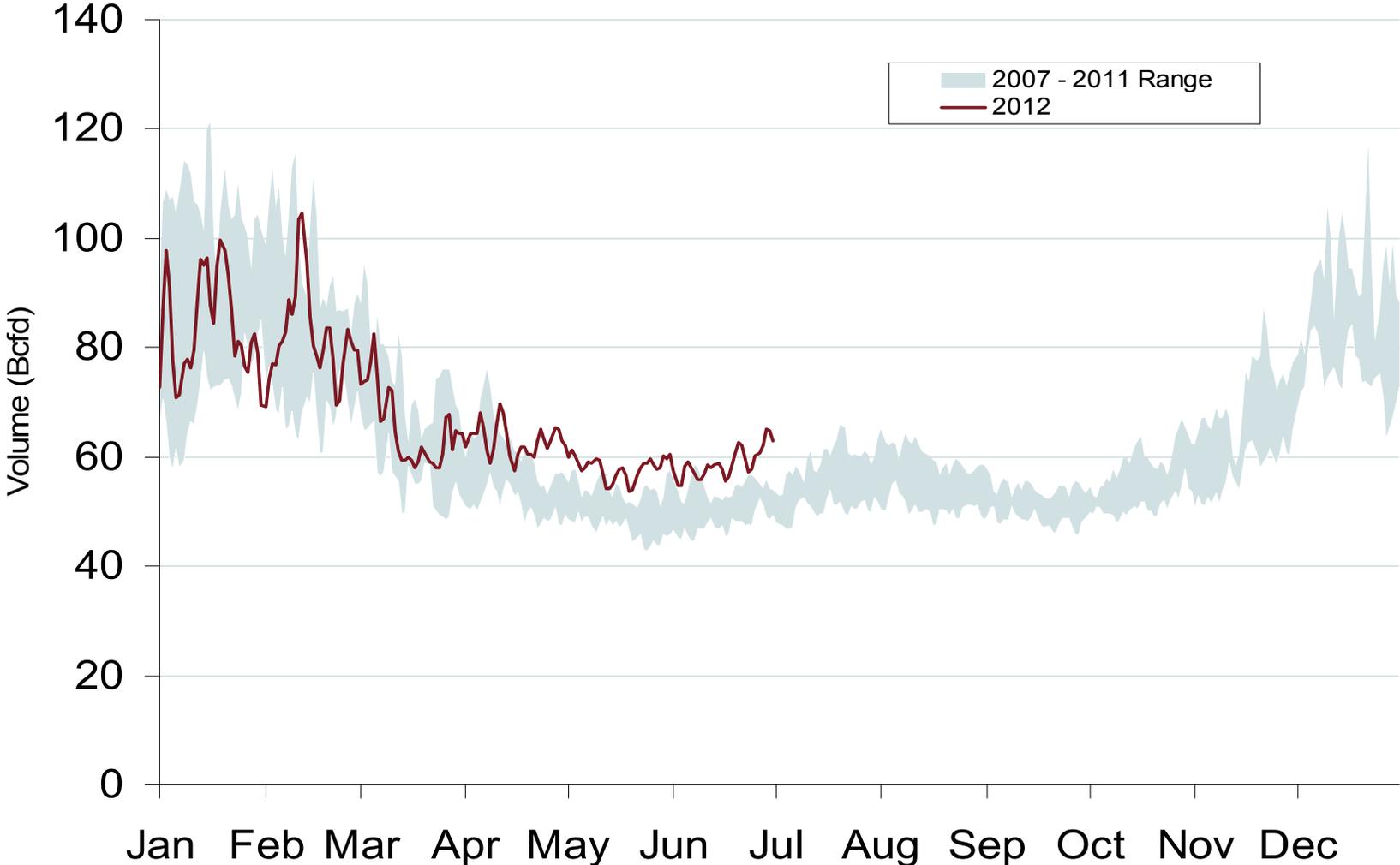
Notes: Supply includes lower 48 state production, net pipeline imports, and LNG imports

Source: Derived from EIA data

Natural Gas Market Overview: Total US Gas Demand

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

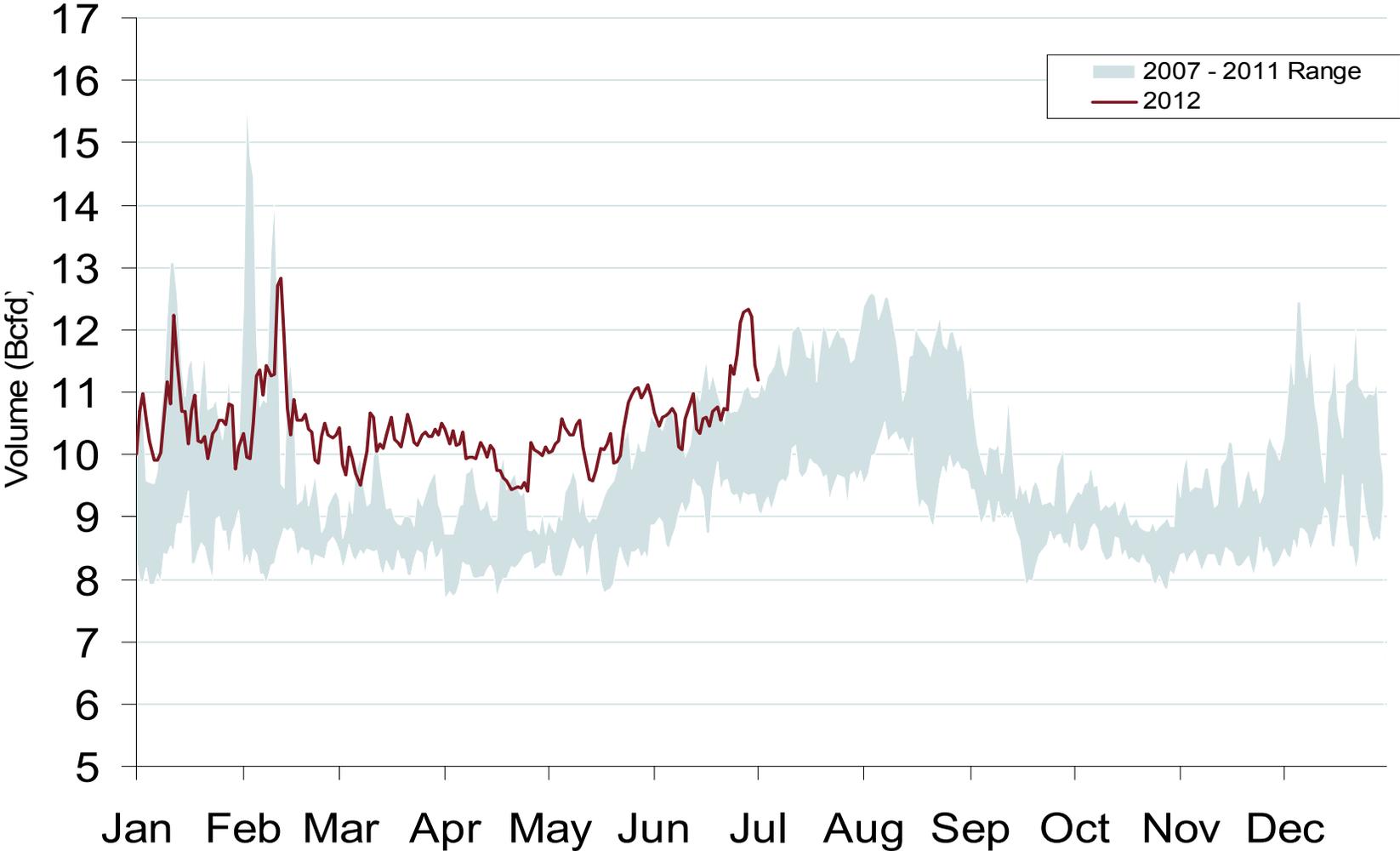
Total U.S. Natural Gas Demand All Sectors



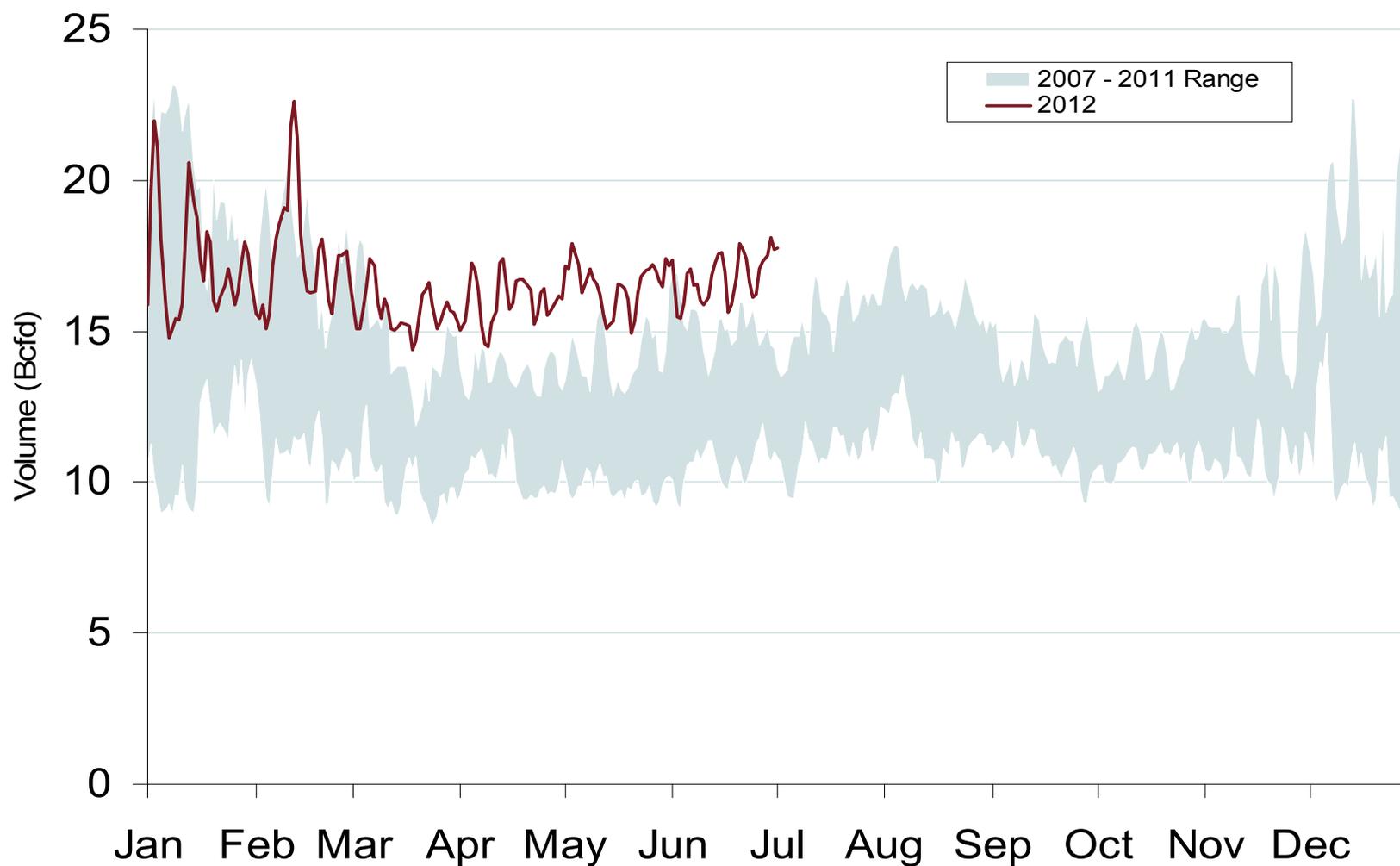
Source: Derived from *Bentek Energy* data
July 2012 Southeast Snapshot Report

Updated: July 17, 2012

Daily Gulf Natural Gas Demand All Sectors



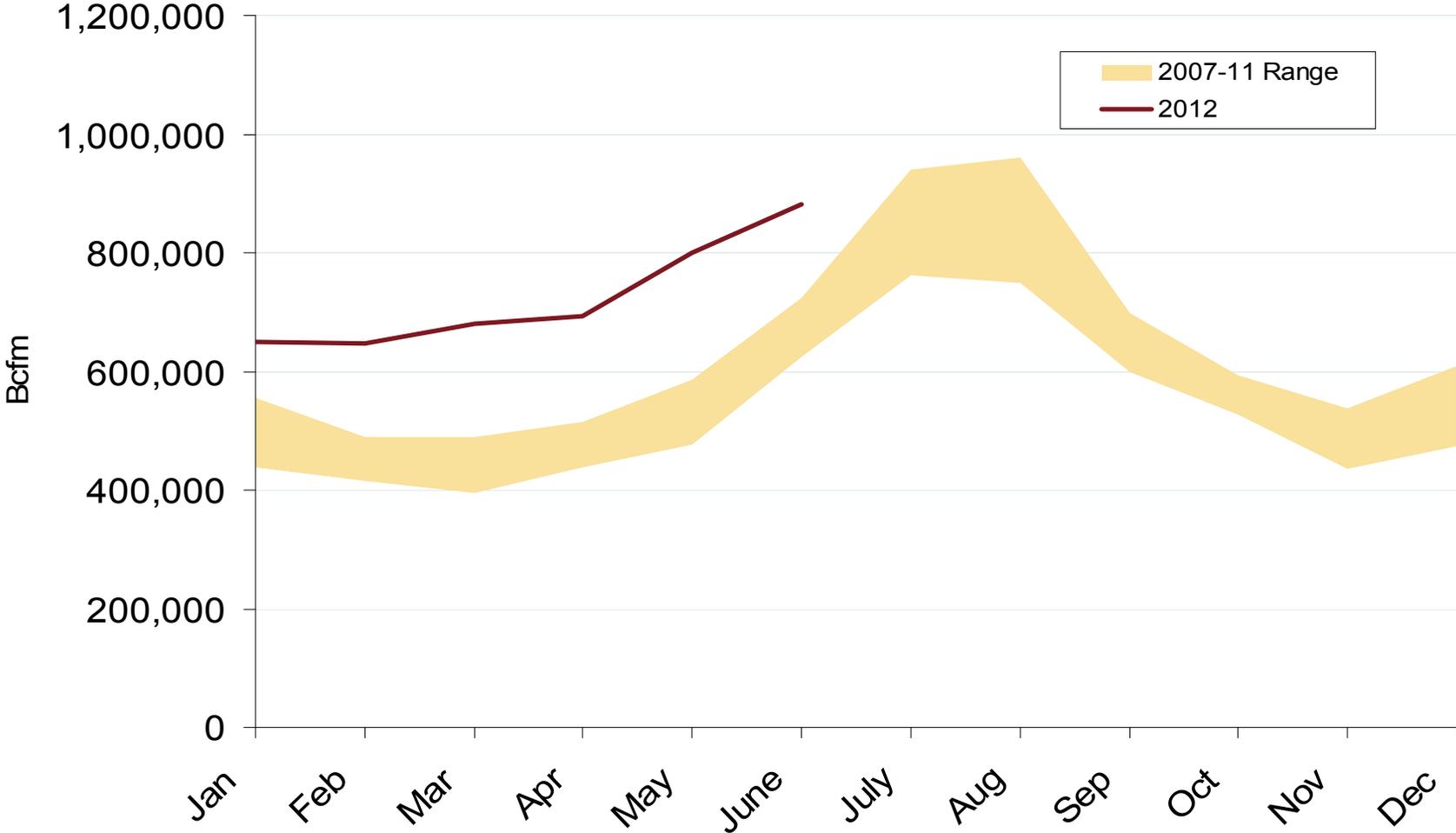
Southeast Natural Gas Market: Daily Demand

Federal Energy Regulatory Commission • Market Oversight • www.ferc.gov/oversight**Daily Southeast Natural Gas Demand All Sectors**

Natural Gas Market Overview: NG Consumption for Power Generation

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

U.S. Natural Gas Consumption for Power Generation



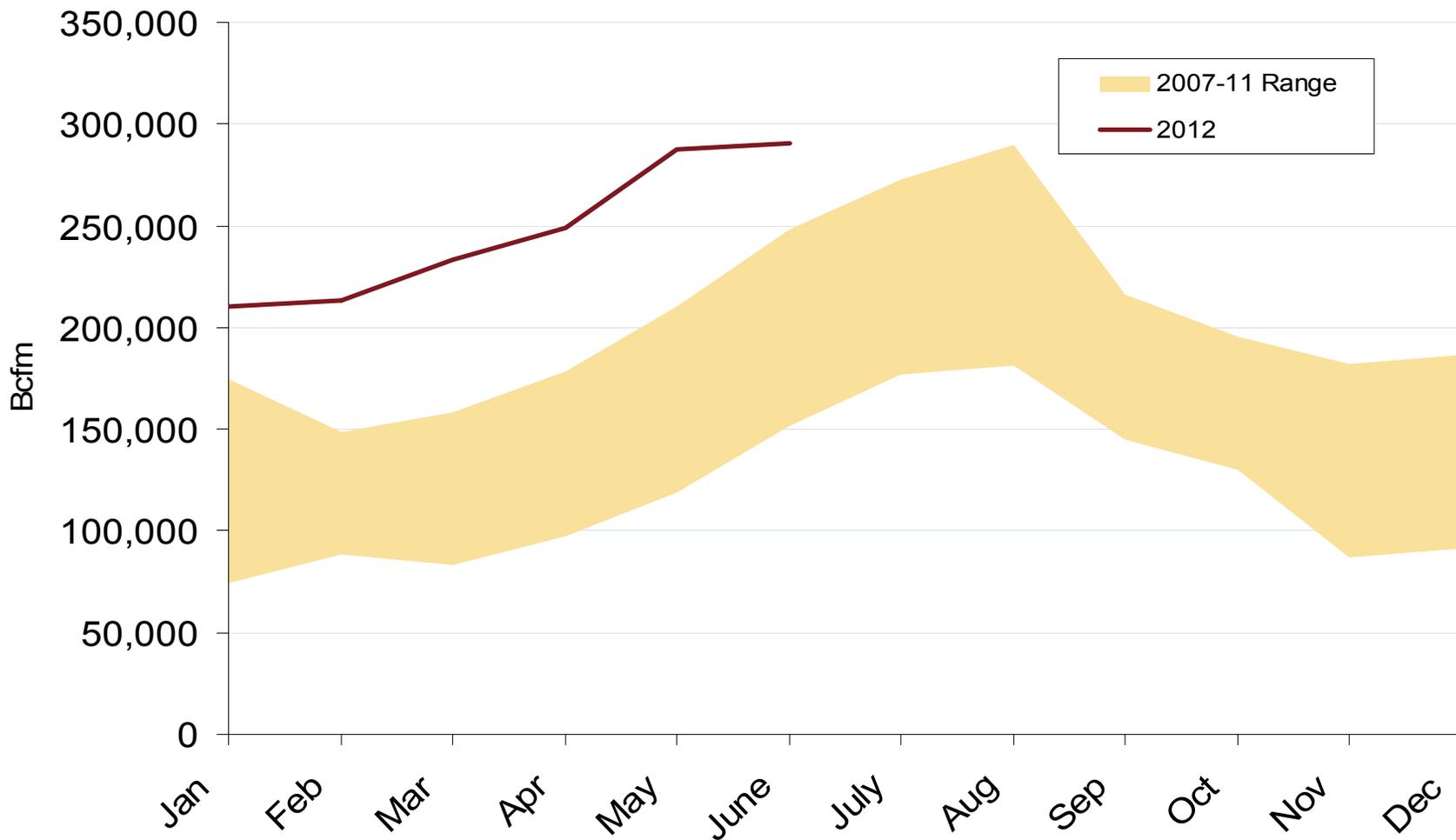
Source: Derived from *Bentek Energy* data
July 2012 Southeast Snapshot Report

Updated: July 11, 2012

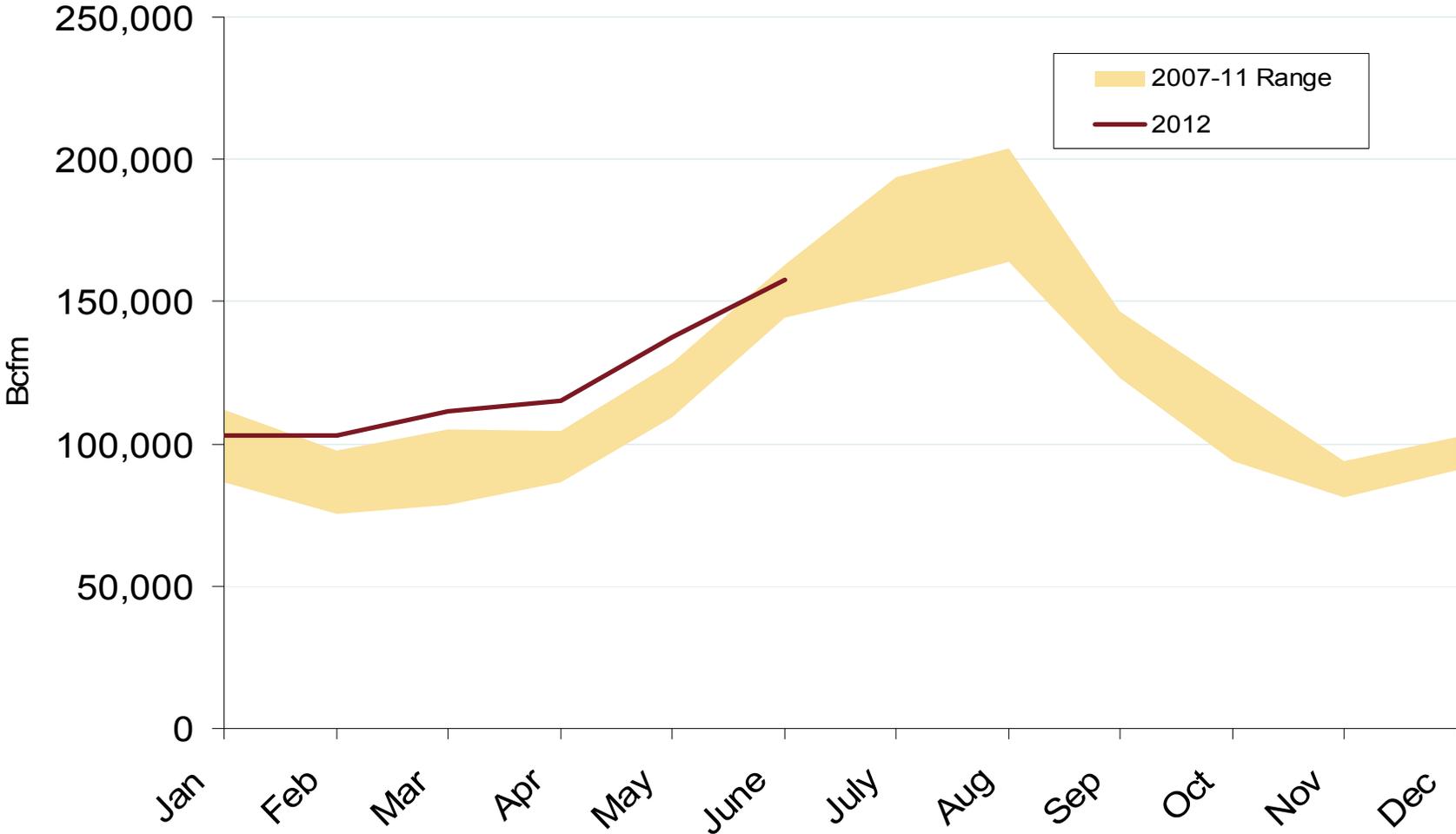
Southeast Natural Gas Market: NG Consumption for Power Generation

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

Southeast Natural Gas Consumption for Power Generation



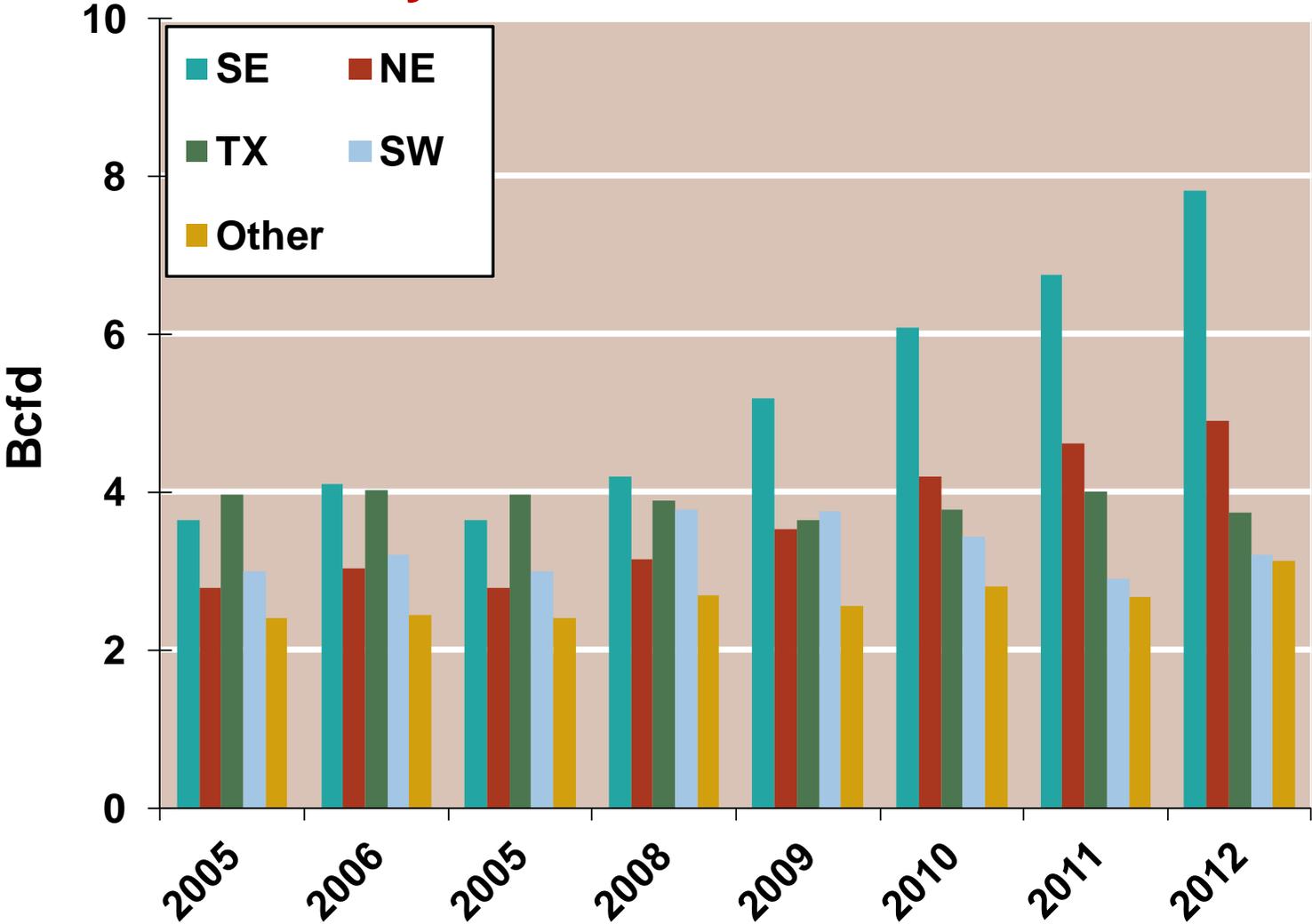
Gulf Natural Gas Consumption for Power Generation



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

Updated: July 11, 2012

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



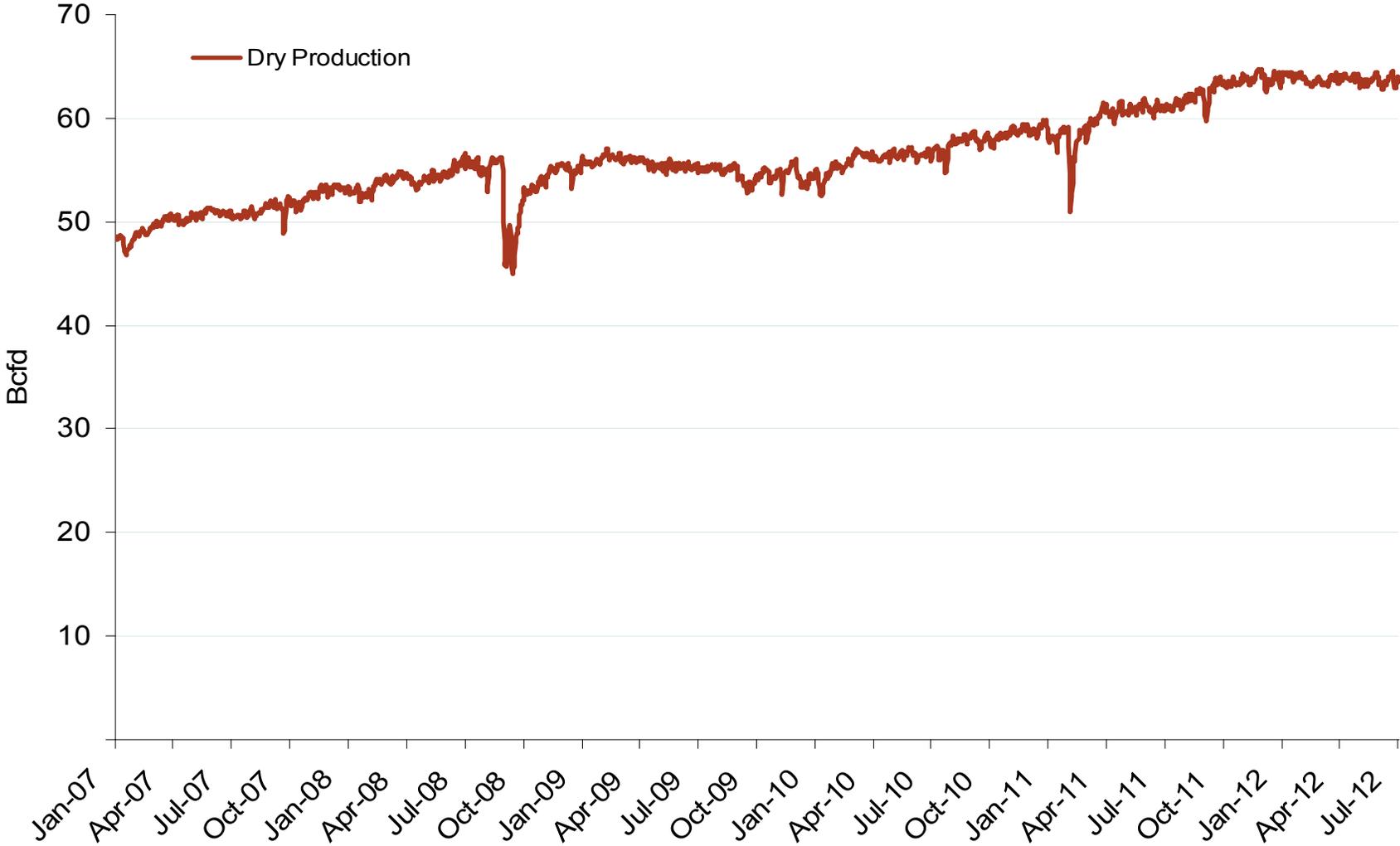
Source: Derived from Bentek Energy data.

Updated June 2012

Natural Gas Markets: Monthly U.S. Dry Gas Production

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

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



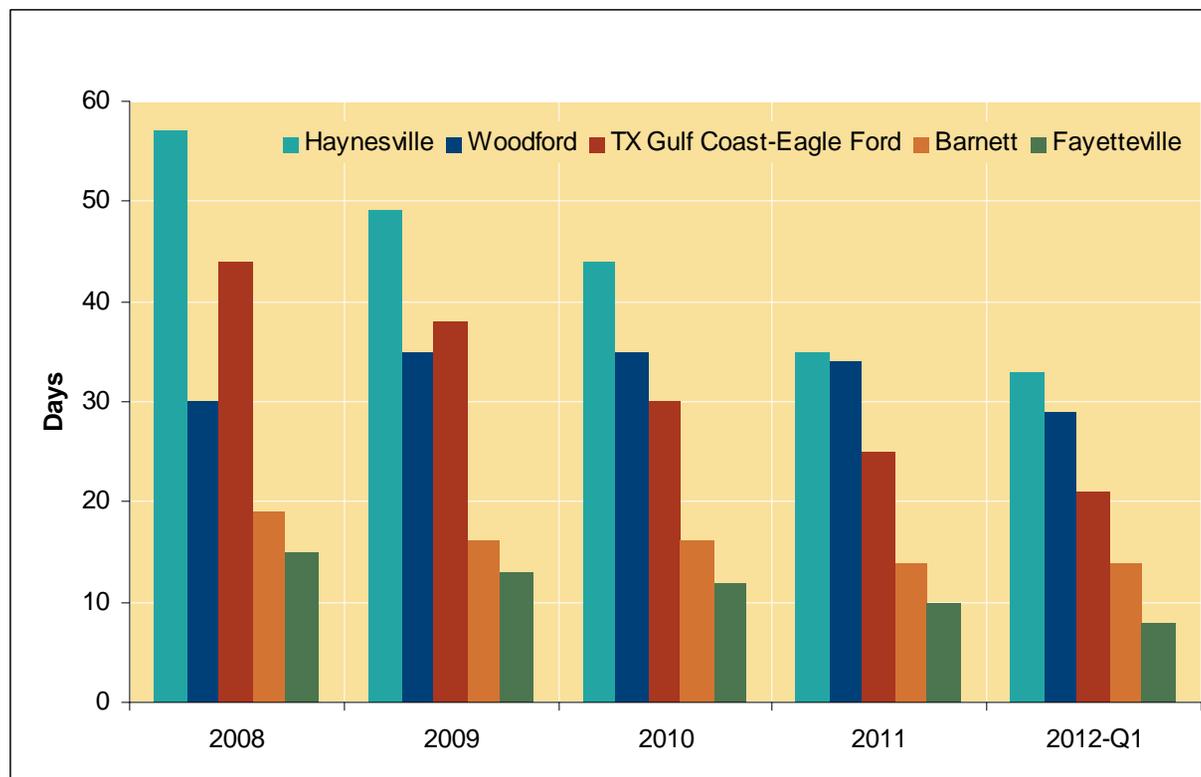
Note: Prior to July 2010, chart was derived from a combination of EIA and Bentek Energy data

Source: Derived from Bentek Energy data

July 2012 Southeast Snapshot Report

Updated: July 11, 2012

Well Drill Times Continue to Decline



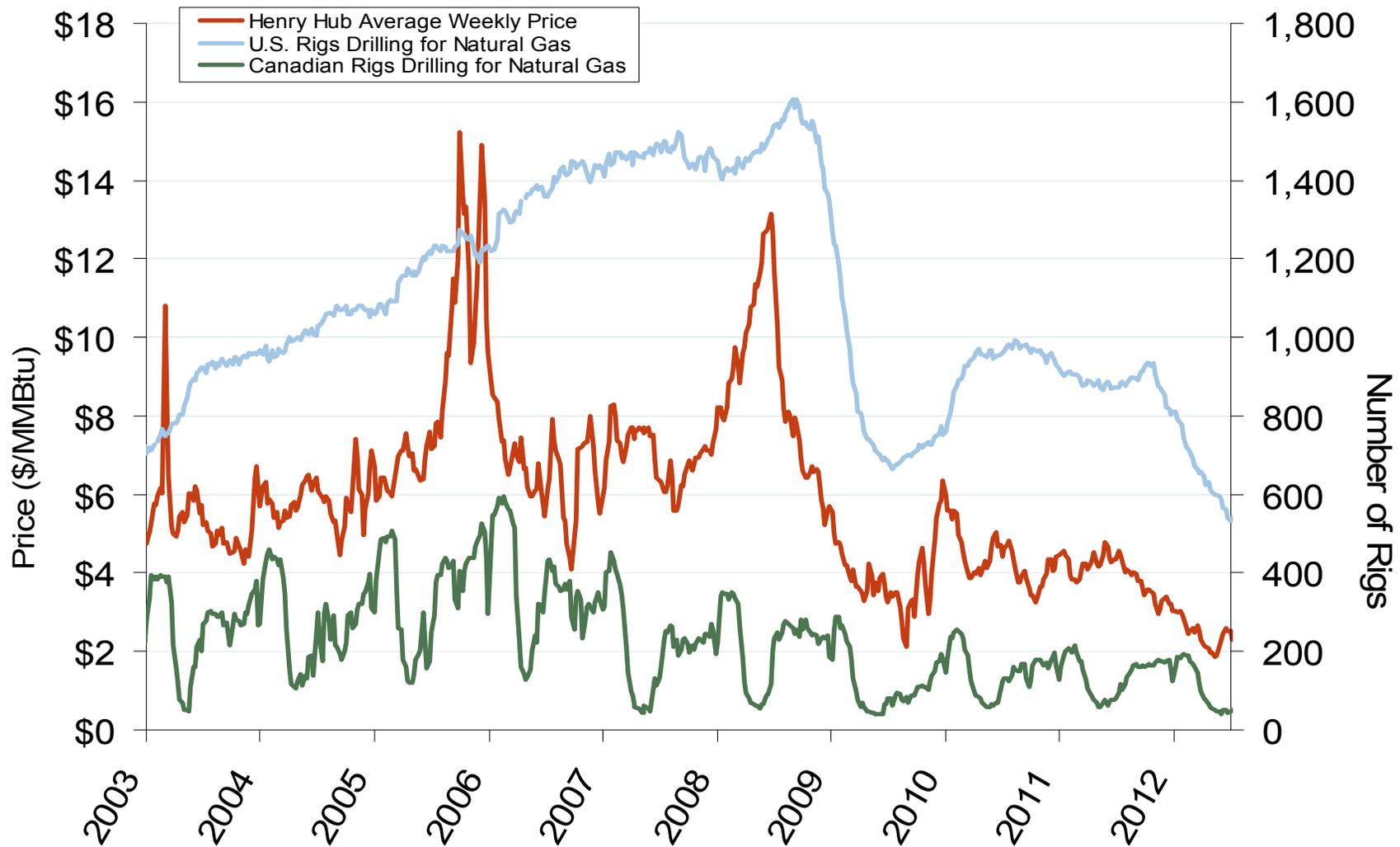
Source: Derived from Bentek Southeast/Gulf Production Monitor

Updated March 5, 2010

Natural Gas Market Overview: Drilling Rig Count

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

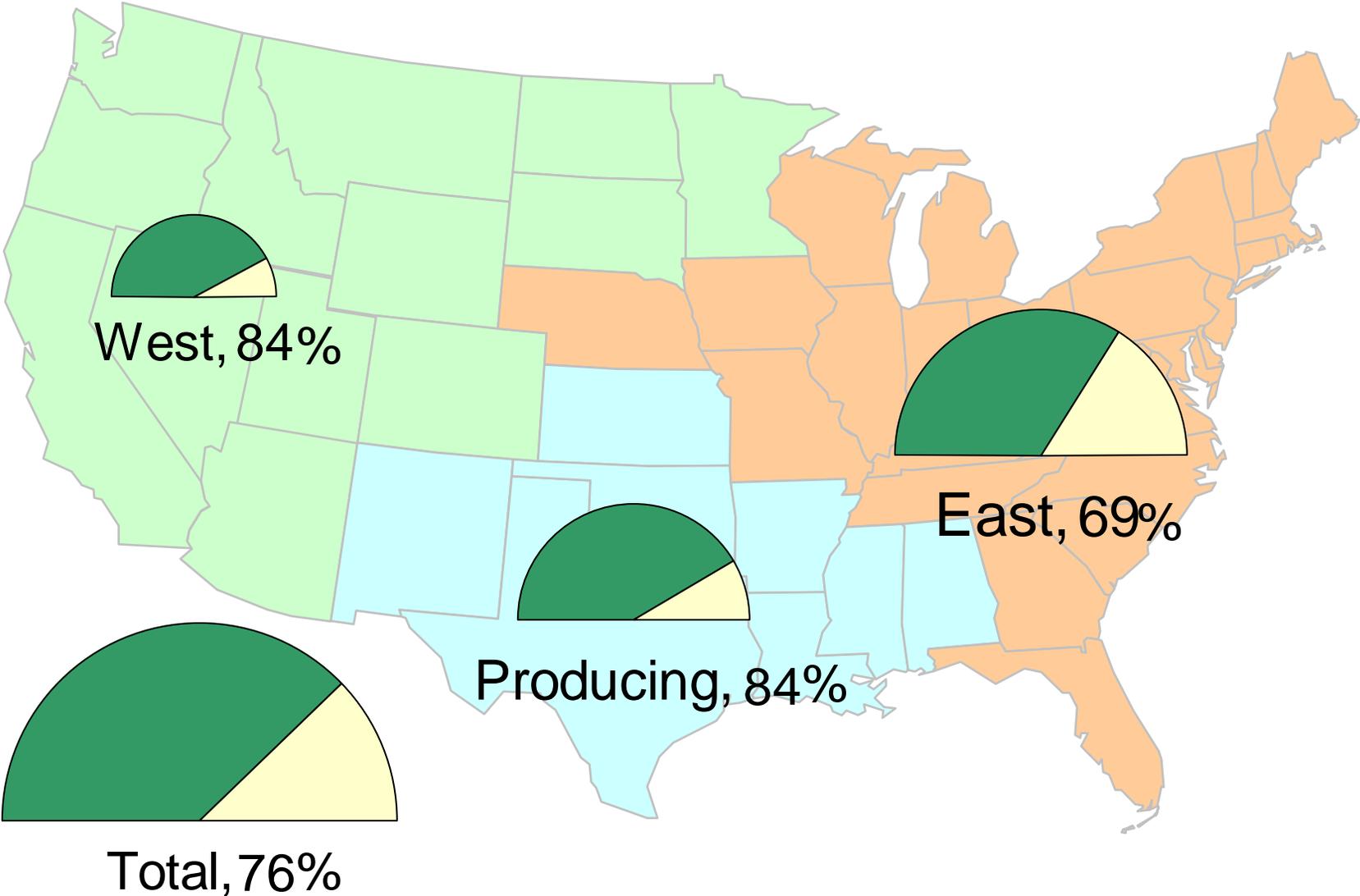
U.S. and Canadian NG Drilling Rig Count and Daily Spot Prices



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

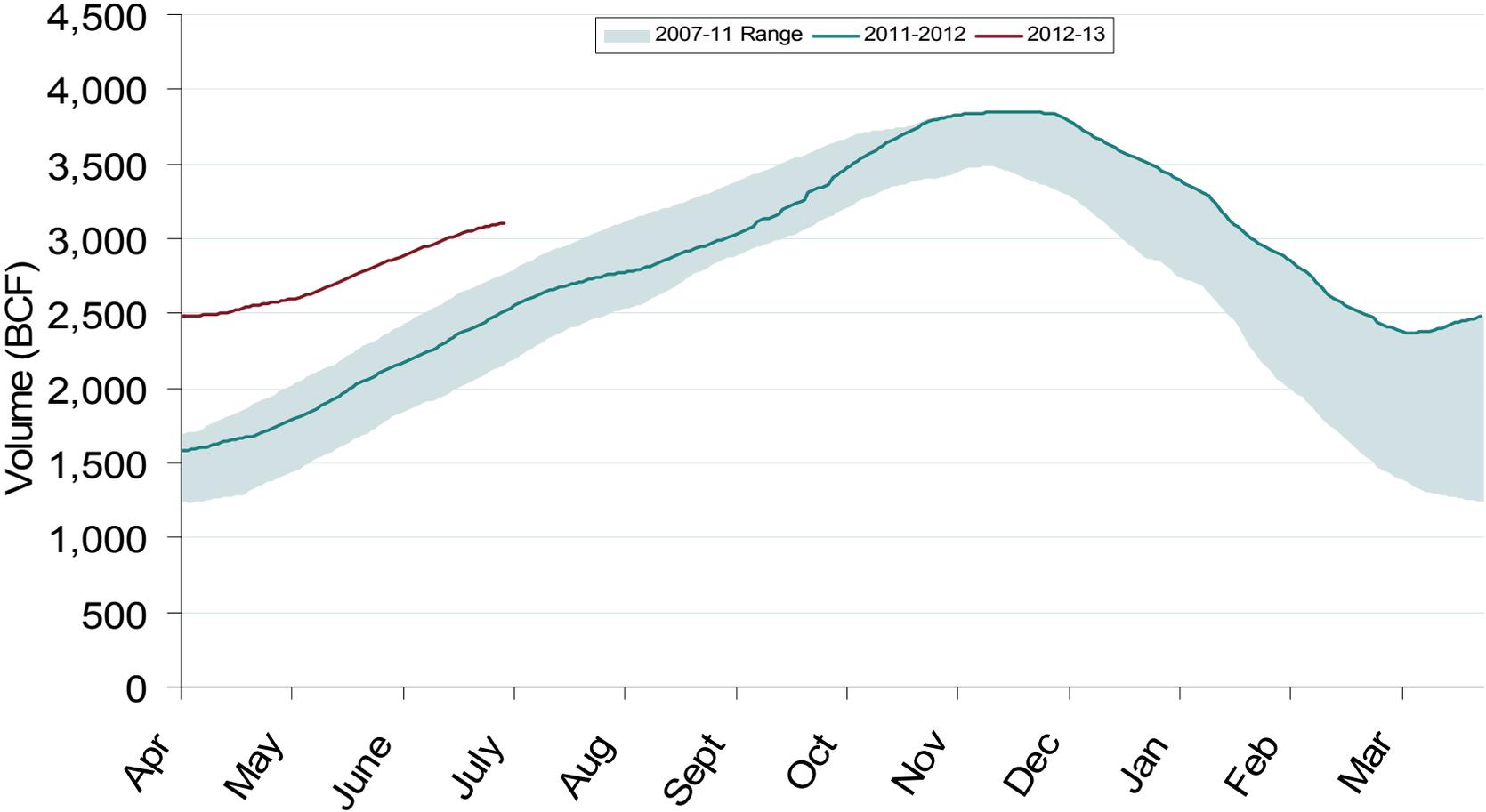
Updated: July 17, 2012

Natural Gas Storage Inventories – July 6, 2012



Source: Derived from EIA Storage and Estimated Working Gas Capacity data
July 2012 Southeast Snapshot Report

Total U.S. Working Gas in Storage



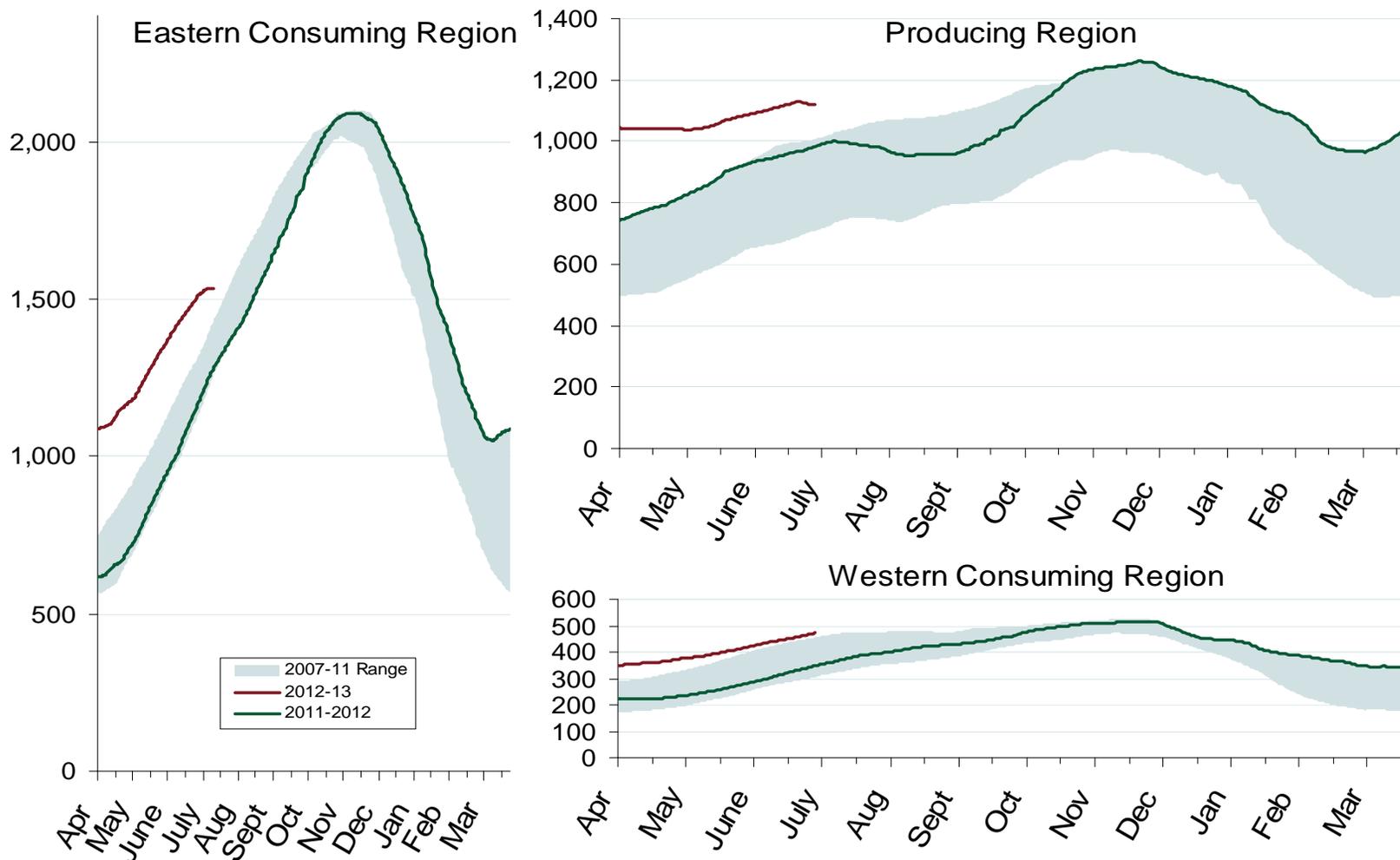
Source: Derived from EIA data
July 2012 Southeast Snapshot Report

Updated: July 12, 2012

Natural Gas Market Overview: Regional Storage

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

Regional Totals of Working Gas in Storage



Natural Gas Overview: World LNG Prices

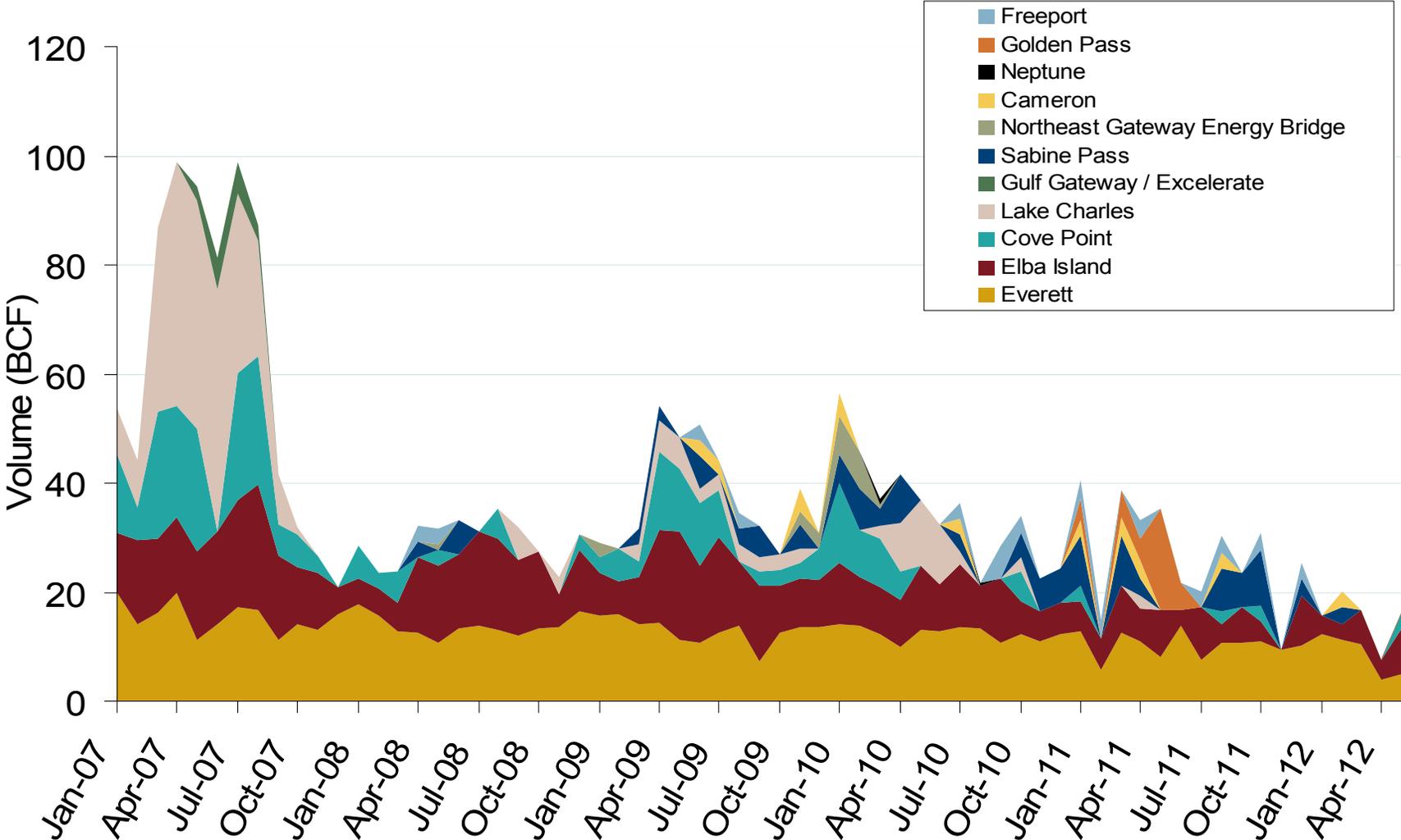
Federal Energy Regulatory Commission • Market Oversight • www.ferc.gov/oversight**World LNG Estimated August 2012 Landed Prices**

Source: Waterborne Energy, Inc. Data in \$US/MMBtu

July 2012 Southeast Snapshot Report

Updated: July 11, 2012

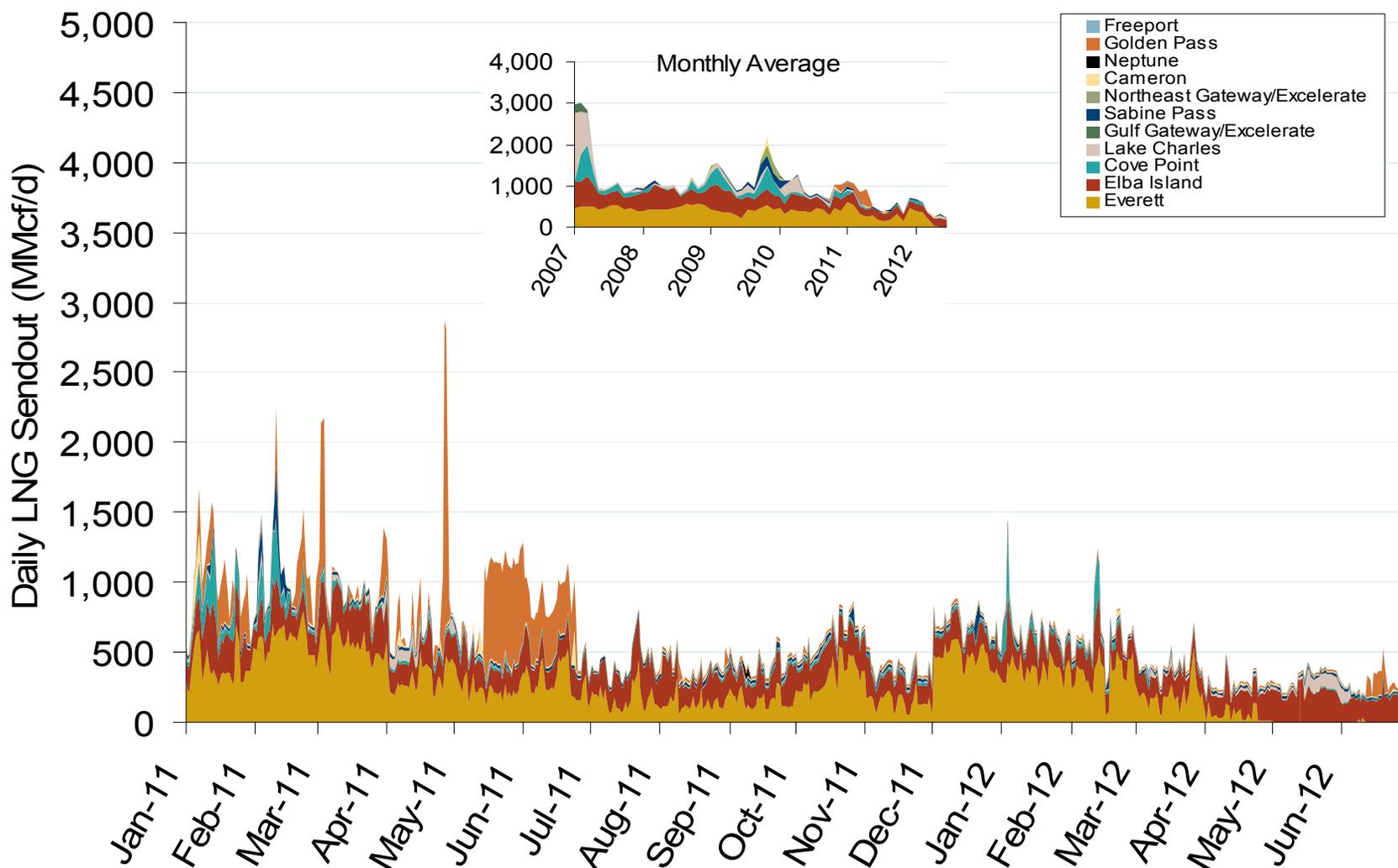
Monthly Gas Imports at Existing U.S. LNG Facilities



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

Updated: July 12, 2012

Daily Gas Sendout from Existing U.S. LNG Facilities

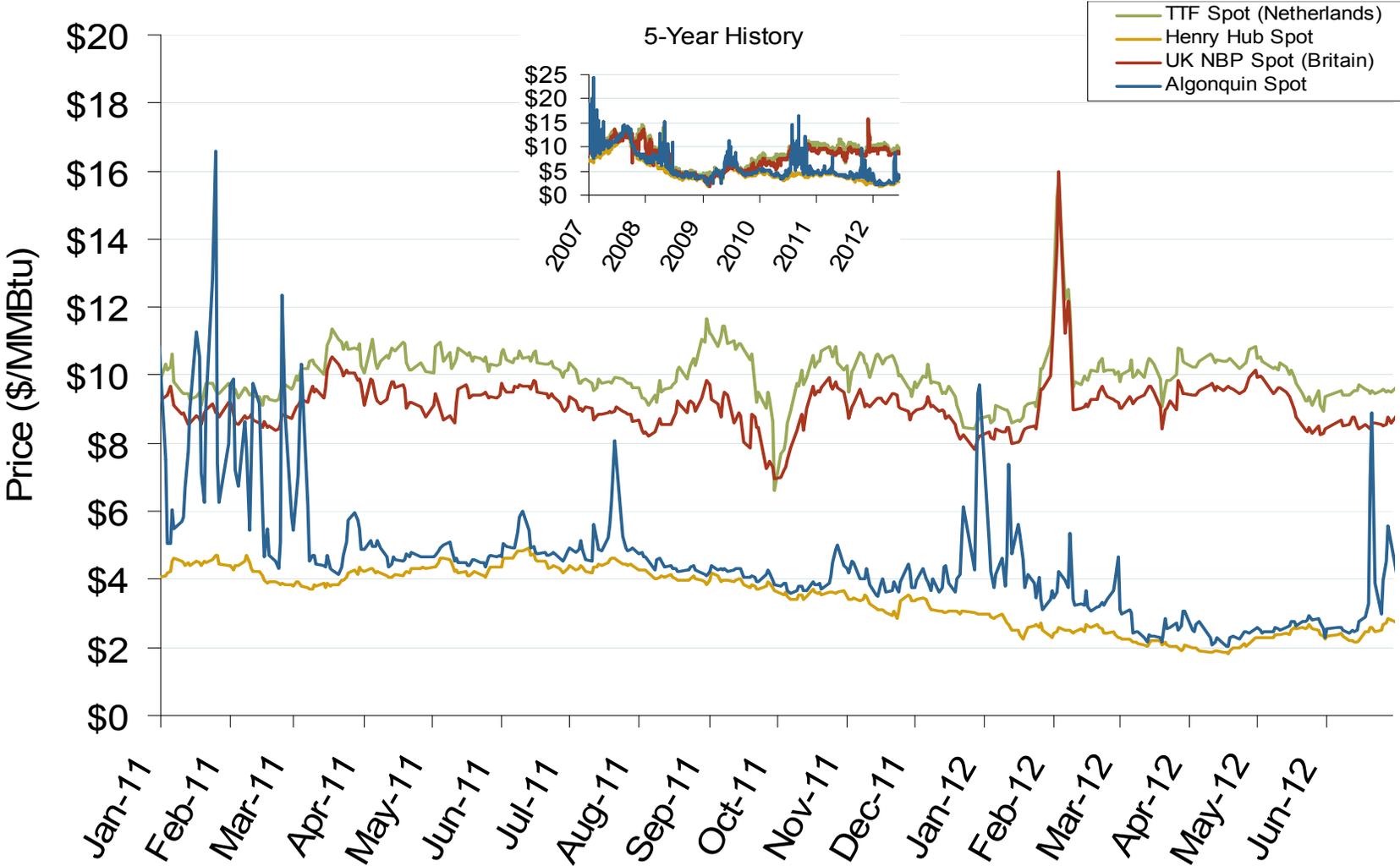


Notes: Everett data includes flows onto the AGT and TGP interstate lines, plus estimates of flows to the Mystic 7 power plant, Keyspan Boston Gas, and LNG trucked out of the terminal. Excludes Freeport LNG which flows via intrastate pipelines

Source: Derived from *Bentek Energy* data

Updated: July 11, 2012

Atlantic Basin European and US Spot Natural Gas Prices



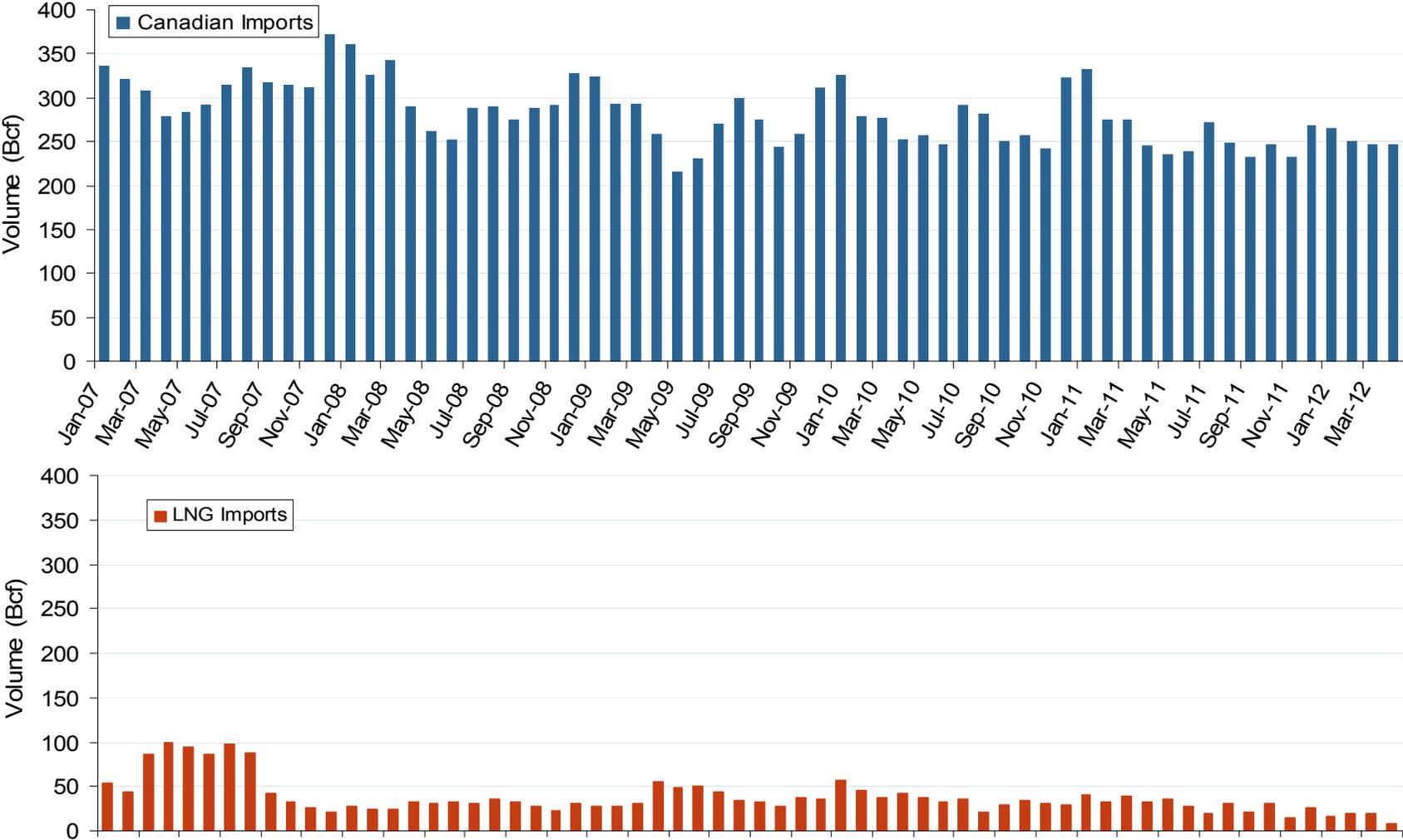
Source: Derived from *Bloomberg* and *ICE* data
July 2012 Southeast Snapshot Report

Updated: July 13, 2012

Natural Gas Overview: Natural Gas Imports

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

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



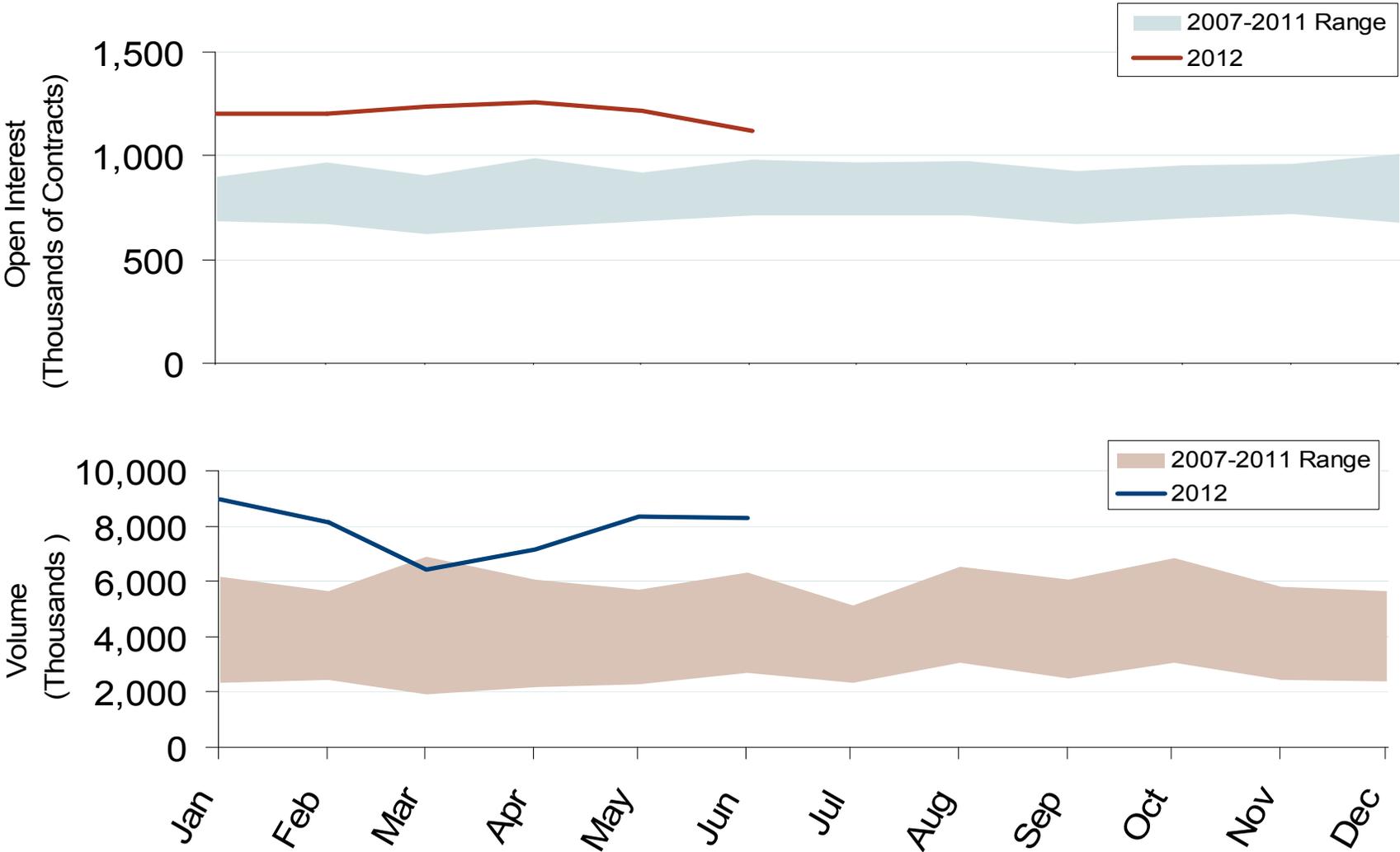
Source: EIA Natural Gas Monthly
July 2012 Southeast Snapshot Report

Updated: July 12, 2012

Natural Gas Trading: Futures Open Interest and Volume

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

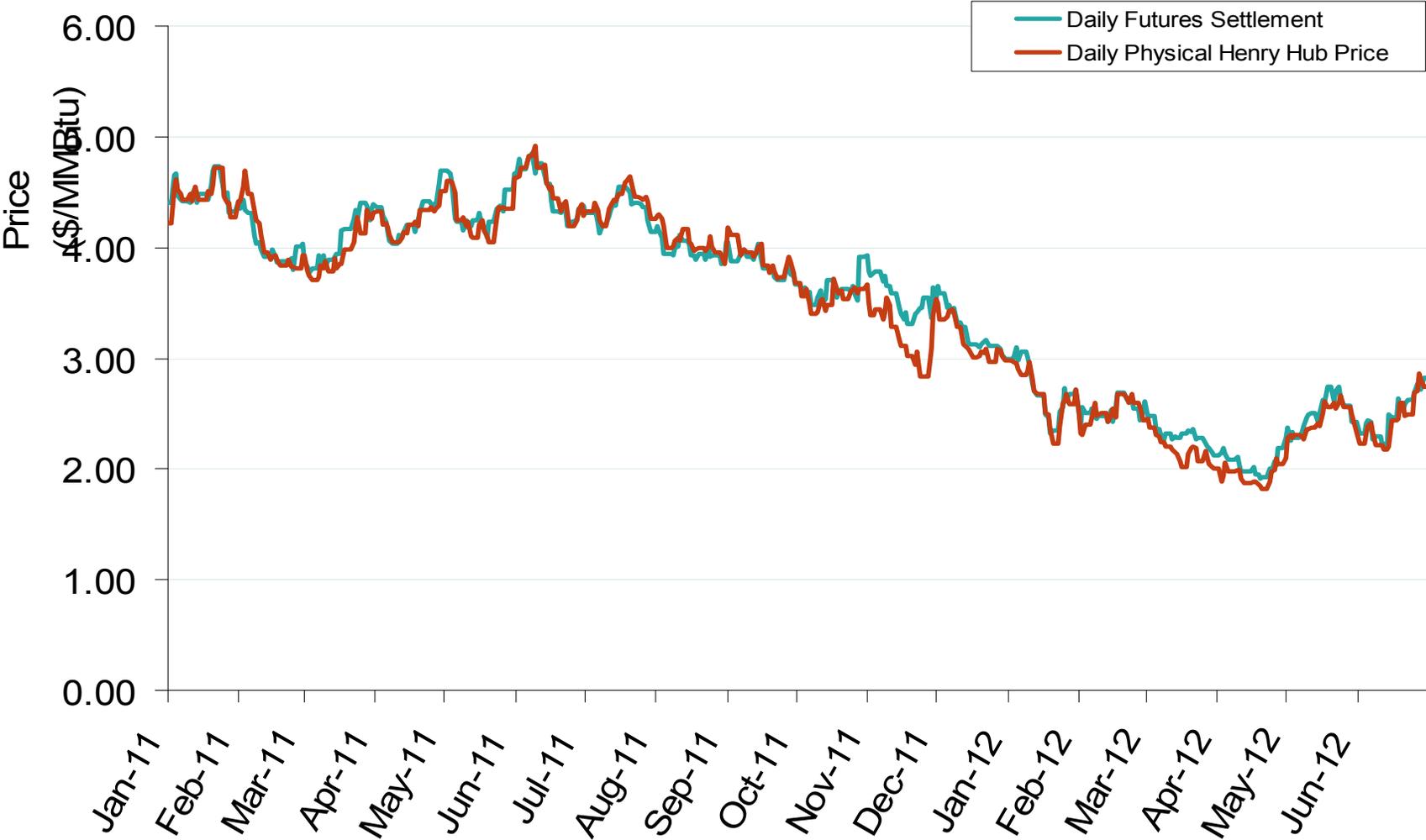
Nymex NG Futures Month-End Open Interest and Monthly Volume



Source: Derived from Nymex data
July 2012 Southeast Snapshot Report

Updated: July 16, 2012

Daily Physical Index Price & Daily Futures Settlement Price



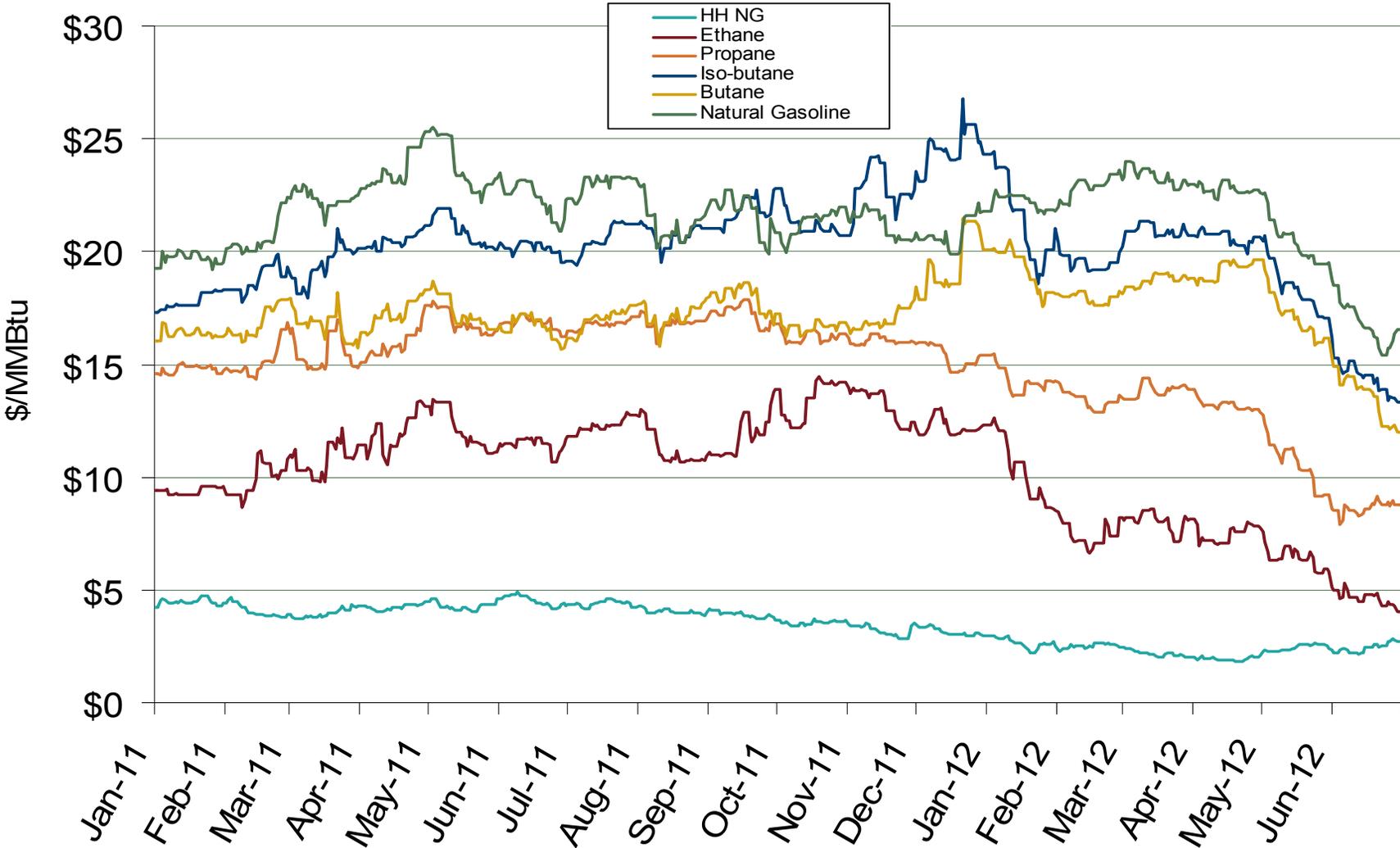
Source: Derived from *Bloomberg* data
July 2012 Southeast Snapshot Report

Updated: July 13, 2012

Natural Gas Market Overview: NGL Prices

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

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



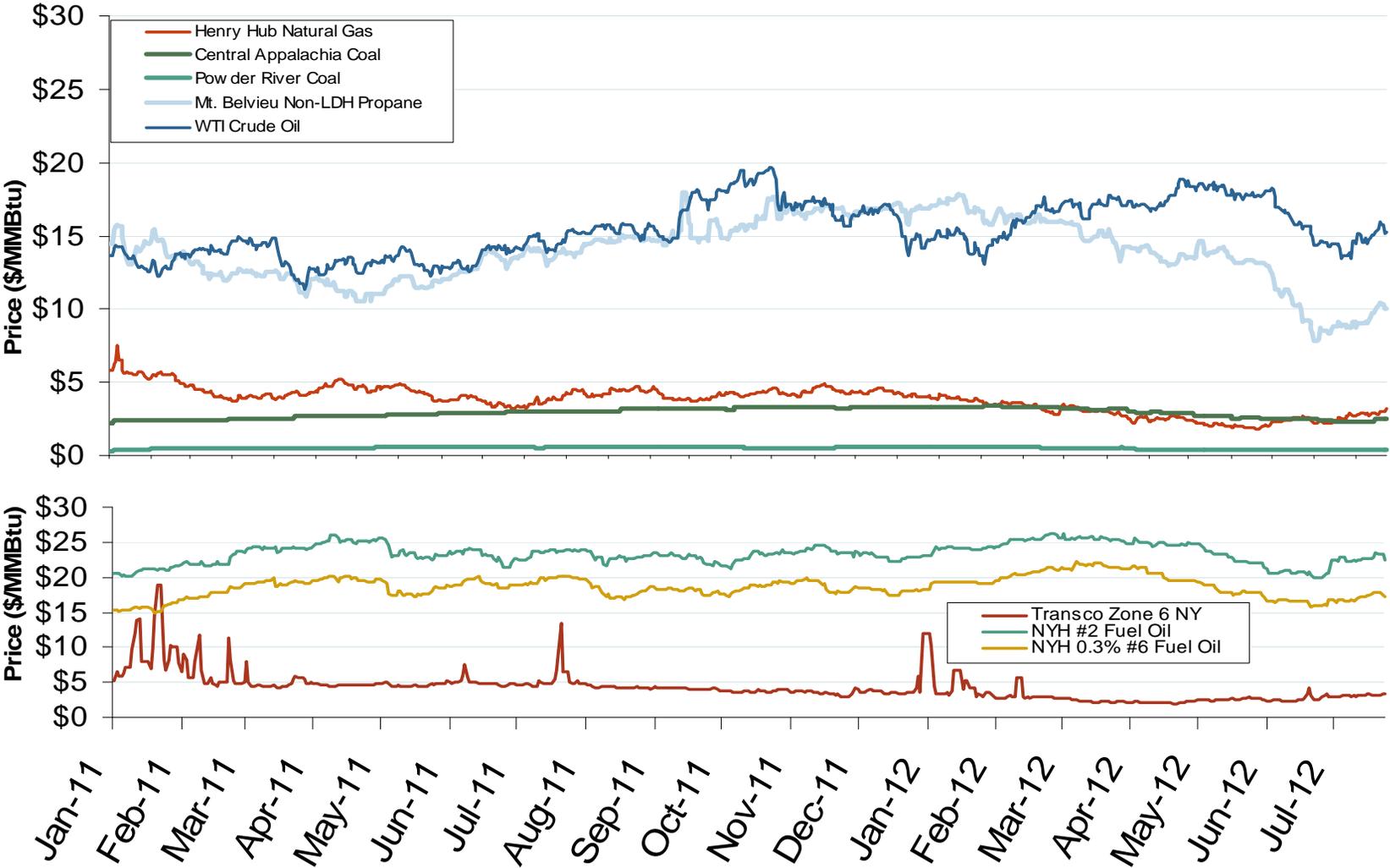
Source: Derived from Bloomberg Data
July 2012 Southeast Snapshot Report

Updated: July 13, 2012

Other Fuels Market: Fossil Fuel Prices

Federal Energy Regulatory Commission • Market Oversight • 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

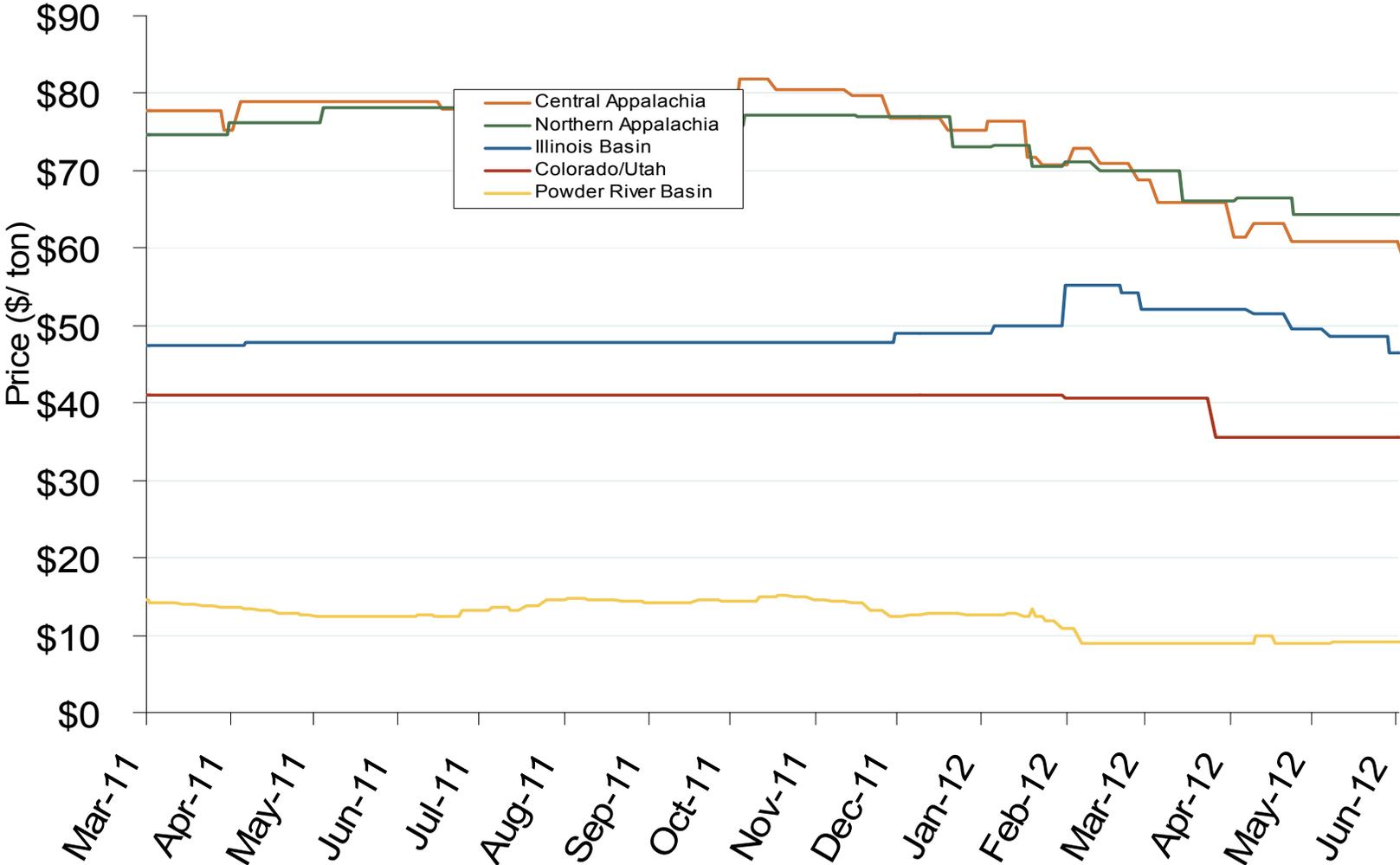
Source: Derived from ICE and Bloomberg data

Updated: July 13, 2012

National Electric Market Overview: Coal Prices

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

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 Southeast Snapshot Report

Updated: July 13, 2012

Other Fuels Market: U.S. Coal Stockpiles

Federal Energy Regulatory Commission • Market Oversight • www.ferc.gov/oversight**U.S. Coal Stockpiles at Electric Power Generating Facilities**