

OE ENERGY MARKET SNAPSHOT

Southeast States Version – November 2011 Data

Office of Enforcement
Federal Energy Regulatory Commission
December 2011

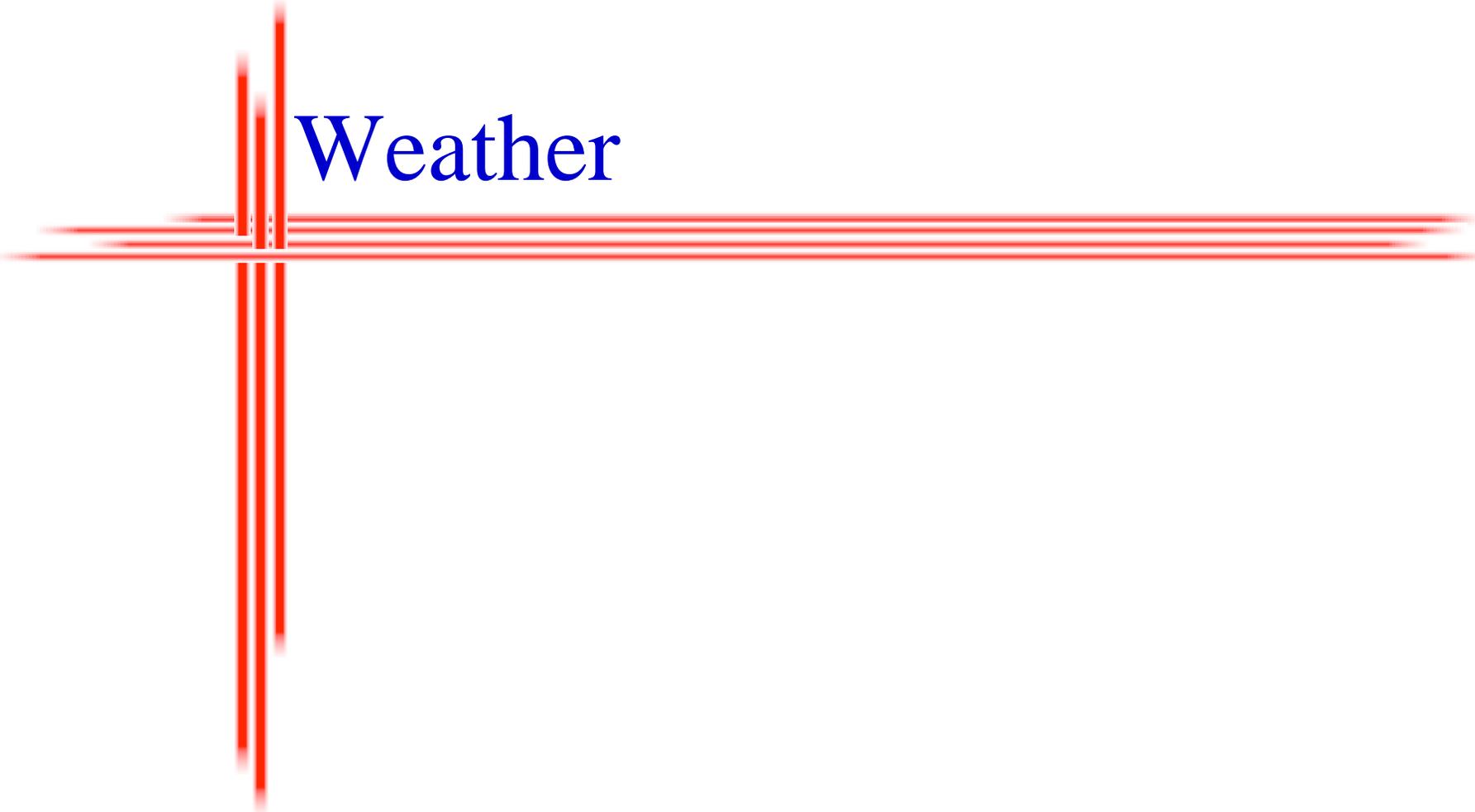


Special Reports

2011 Report on Enforcement

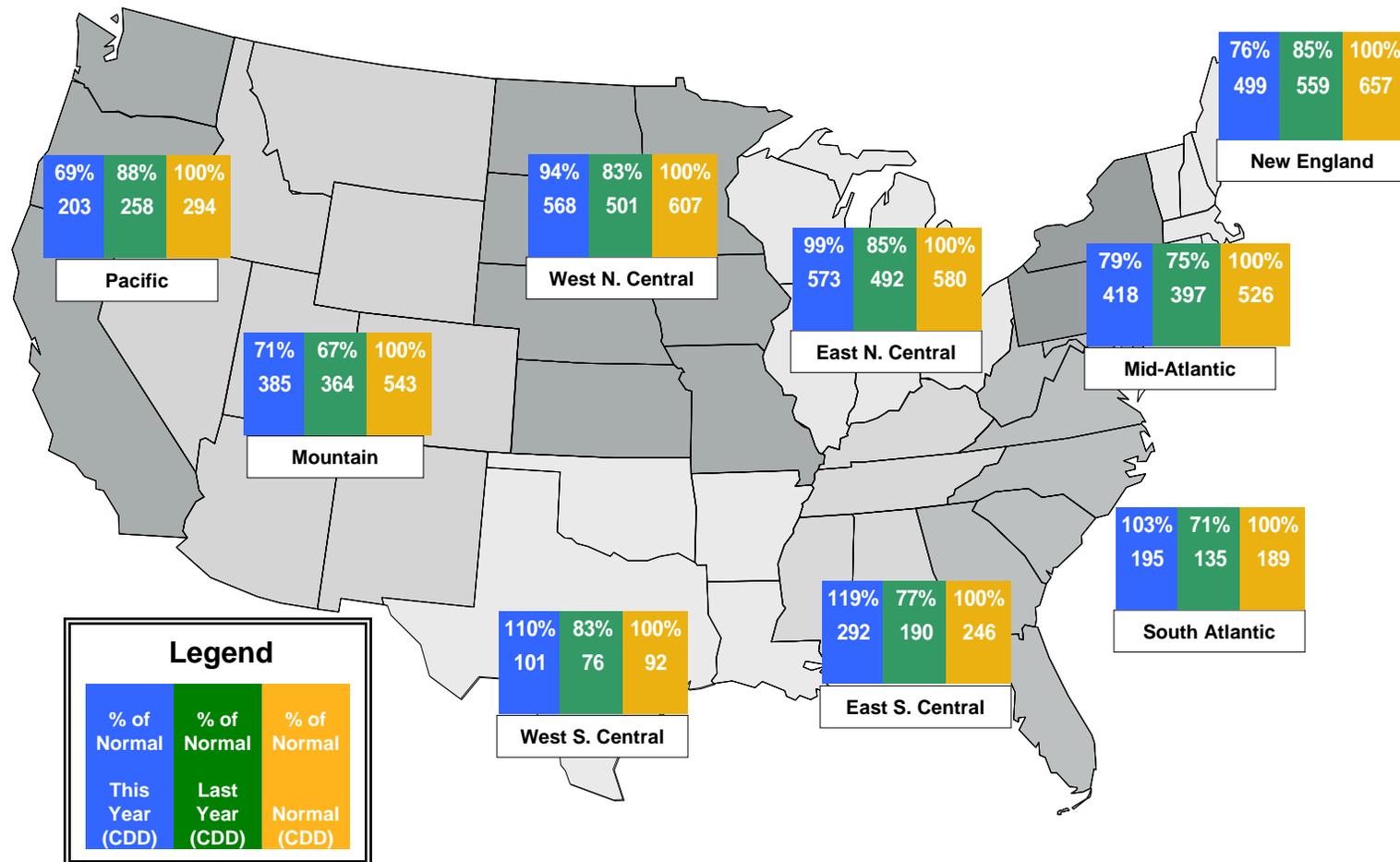
Click below for a copy of the report:

<http://www.ferc.gov/legal/staff-reports/11-17-11-enforcement.pdf>



Weather

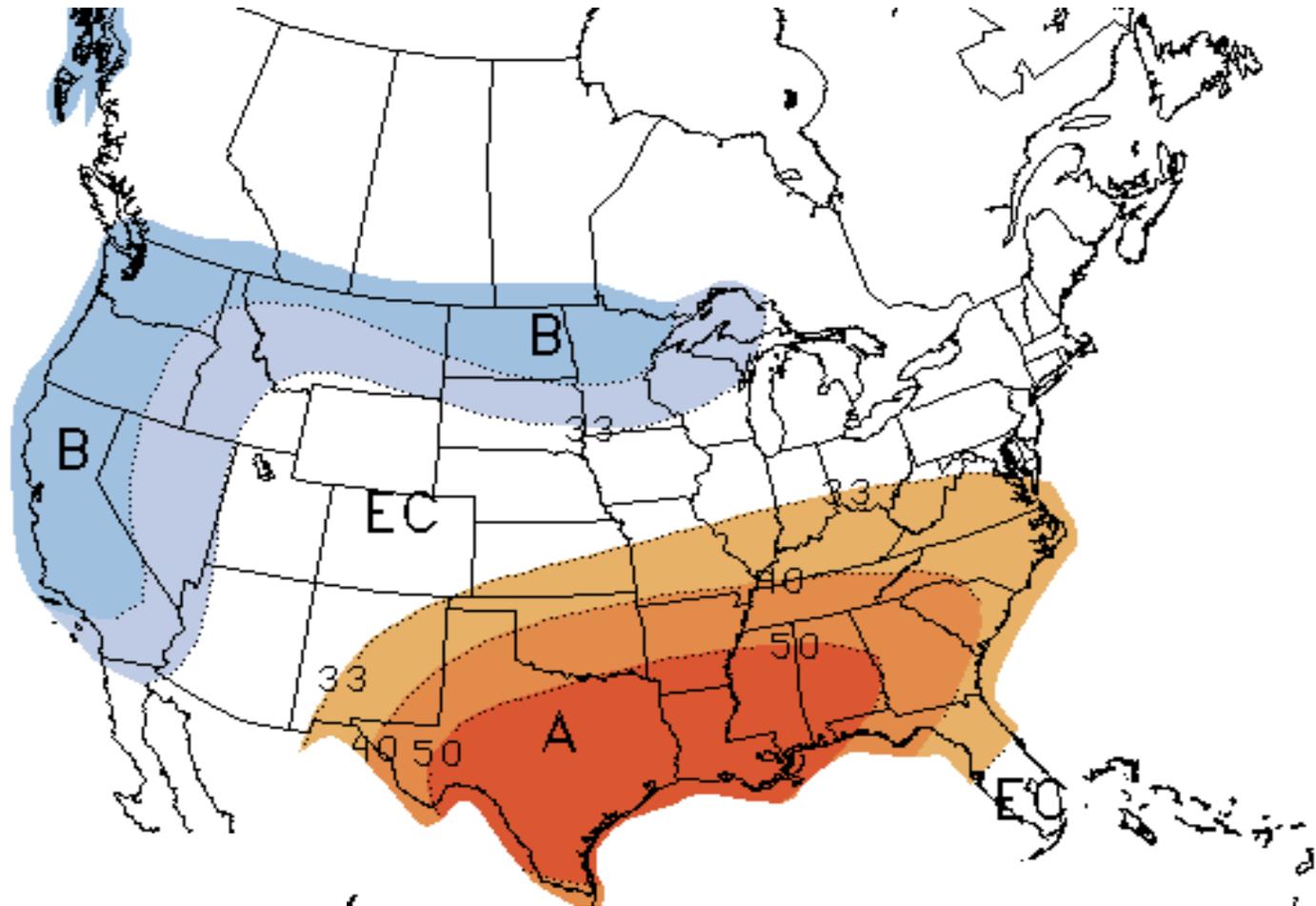
Regional Heating Degree Days – Year to Date November 2011



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

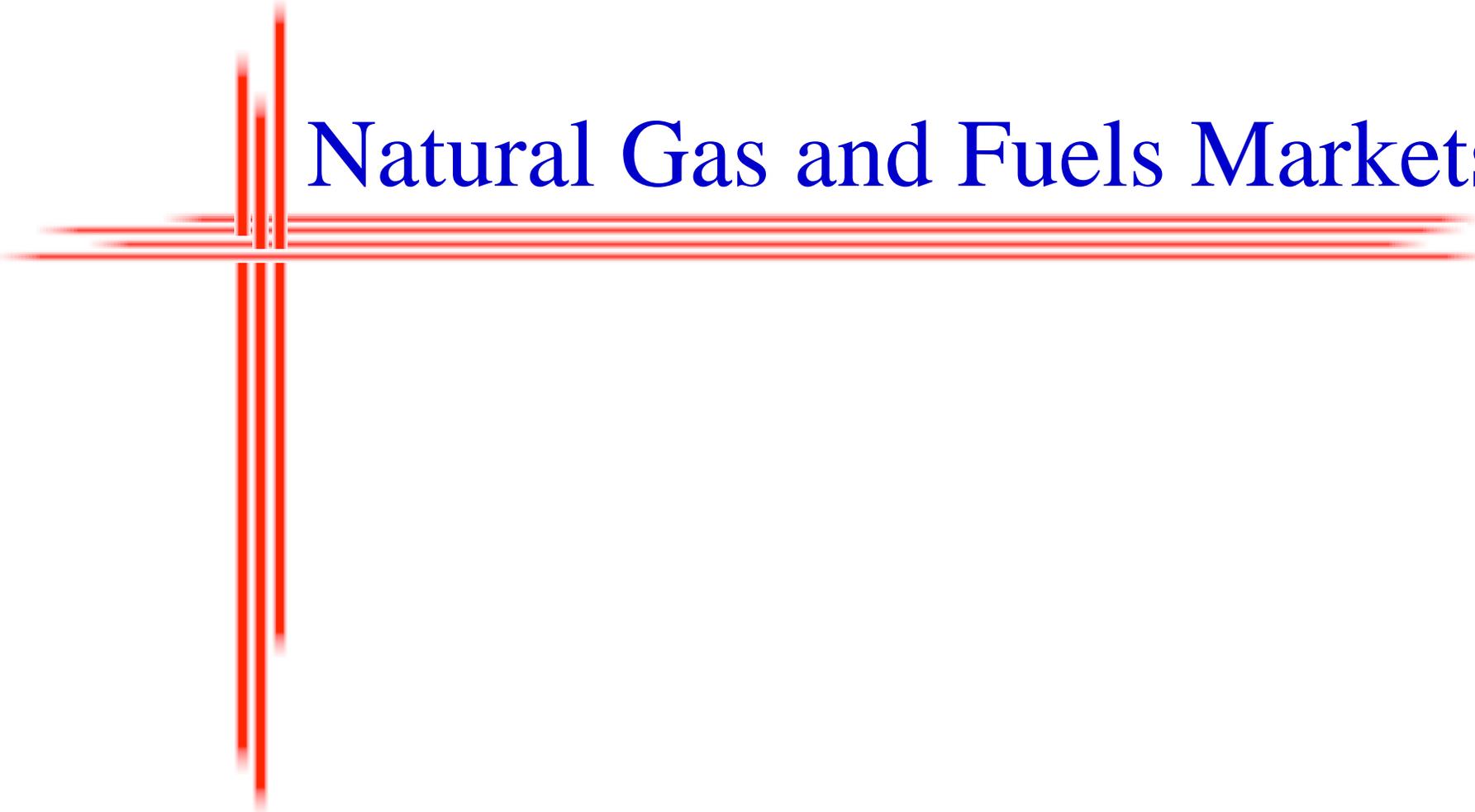
Updated December 2, 2011

NOAA's 3 Month Temperature Forecast Made November 11, 2011, Valid for December 2011 – February 2012



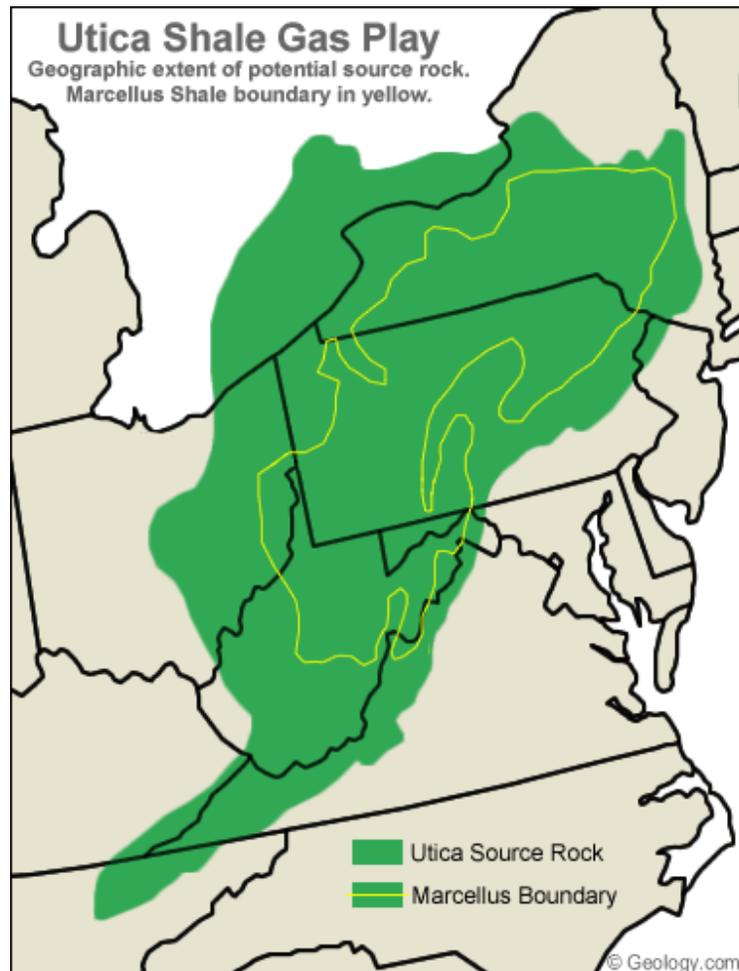
Note: "A" areas are above normal, "B" areas are below normal and "EC" means equal chance. Normal is based on the last 30 years of data.
Source: Derived from NOAA data.

Updated: December 02, 2011



Natural Gas and Fuels Markets

Utica Shale Attracts Attention



- Up to 14,000' below the surface
- Ranges in thickness from 100' to 500'
- Little public information is available – not thoroughly evaluated
- Ohio DNR estimates 12.3 billion barrels of oil and 20 Tcf of natural gas ultimately recoverable
- Eastern Ohio portion believed to be oil and NGL rich
- Experienced shale gas producers very active – Chesapeake, Devon, Chevron
- EIA recently reported Ohio issued 42 drilling permits for horizontal wells in the first 9 months of 2011 – only 2 were issued in the first 9 months of 2010

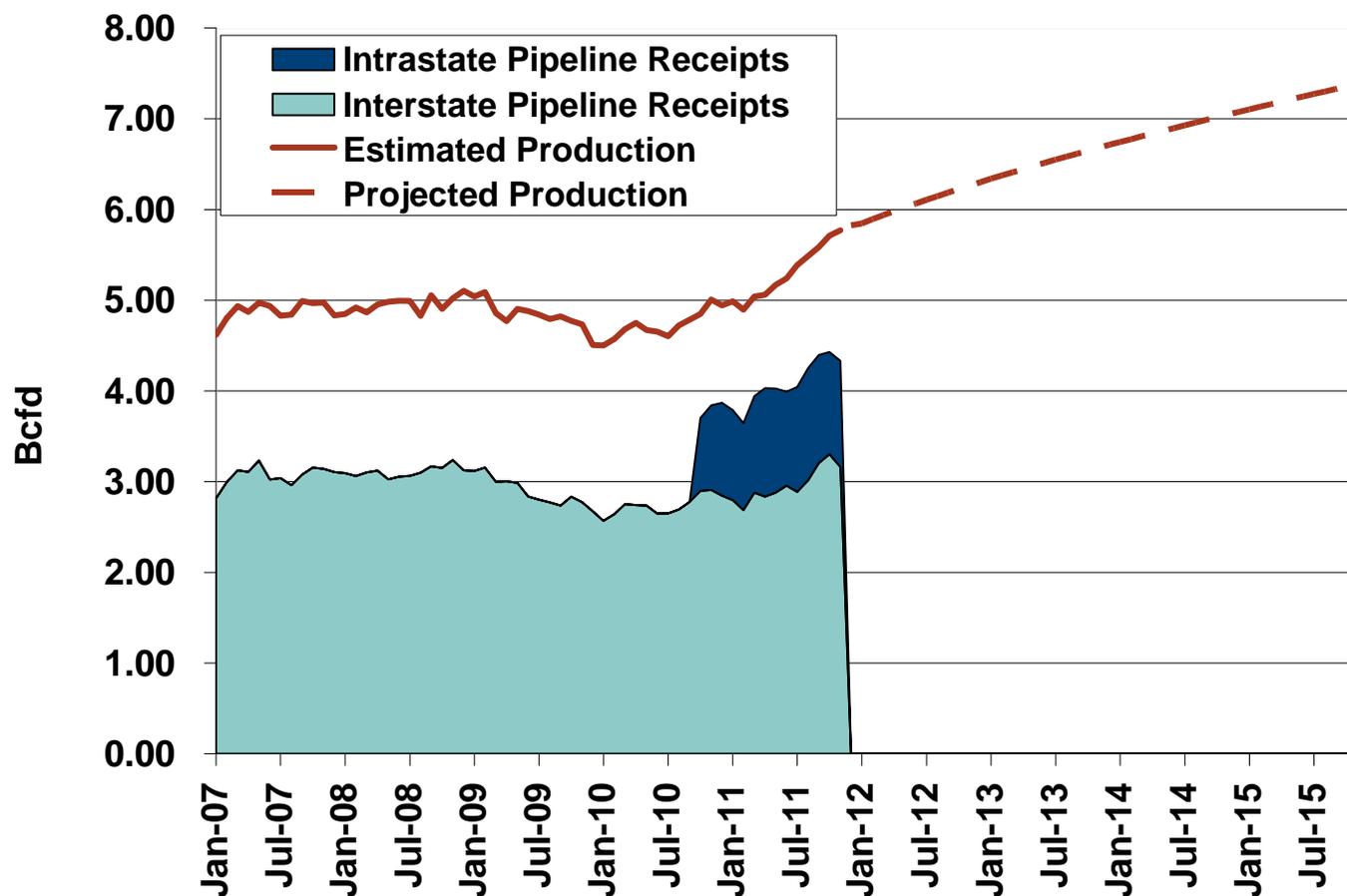
Source: Derived from Geology.com.

Updated December 6, 2011

Cheniere reaches capacity target for financing Sabine Pass LNG exports

	Cheniere LNG Export Deals	
	BG	Gas Natural
Contracted Capacity	460 MMcfd	460 MMcfd
Contract Term	20 yrs	20 yrs
Reservation Fee	\$2.25/MMBtu	\$2.49/MMBtu
Gas Price	100% of HH	100% of HH
Gas Price for Liquefaction	15% of HH	15% of HH

Newly Observed Intrastate Pipe Flows Show Anadarko Gas Production Hike



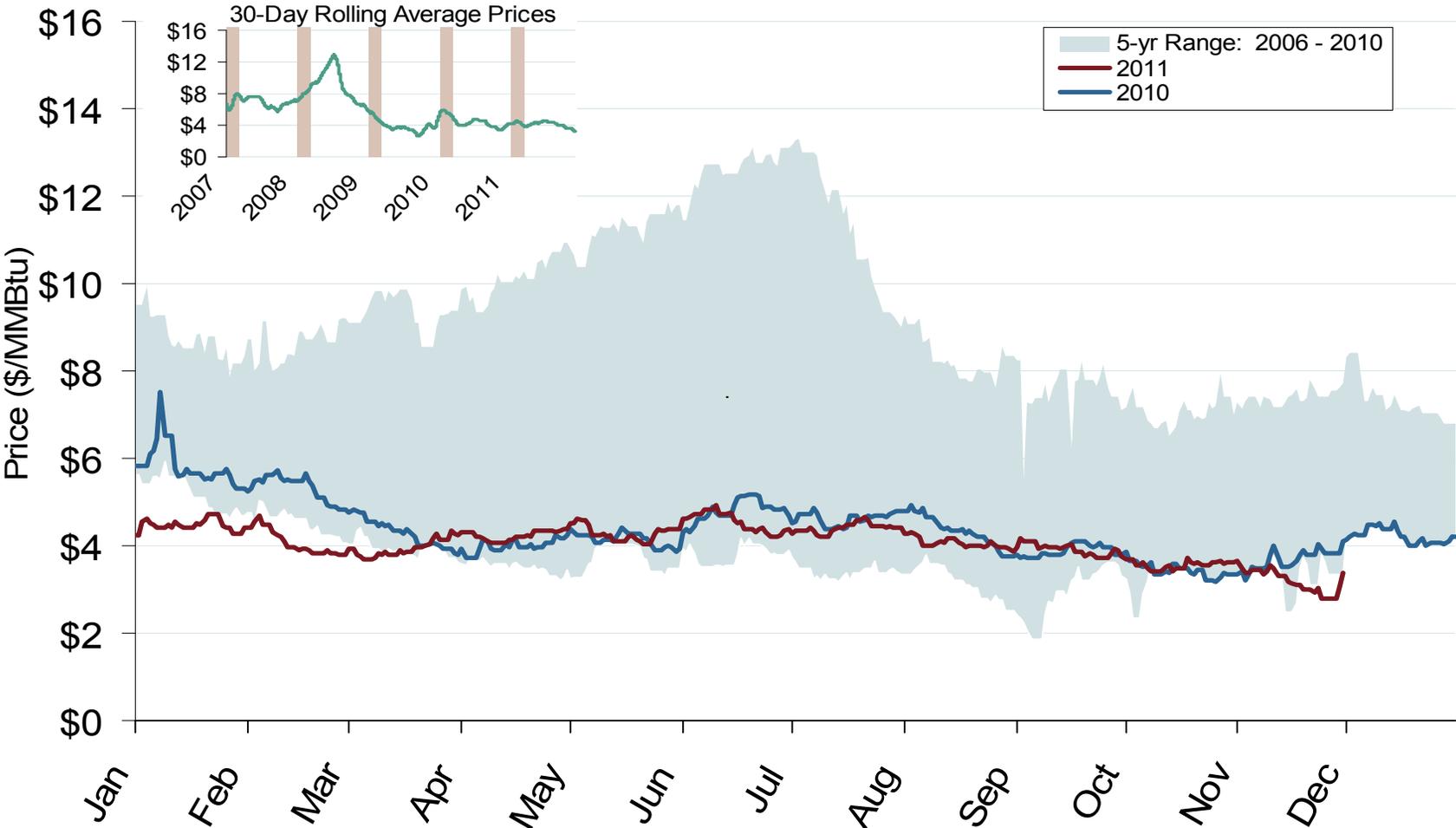
Transco's Proposed Project to Flow Marcellus Gas to the Southeast



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

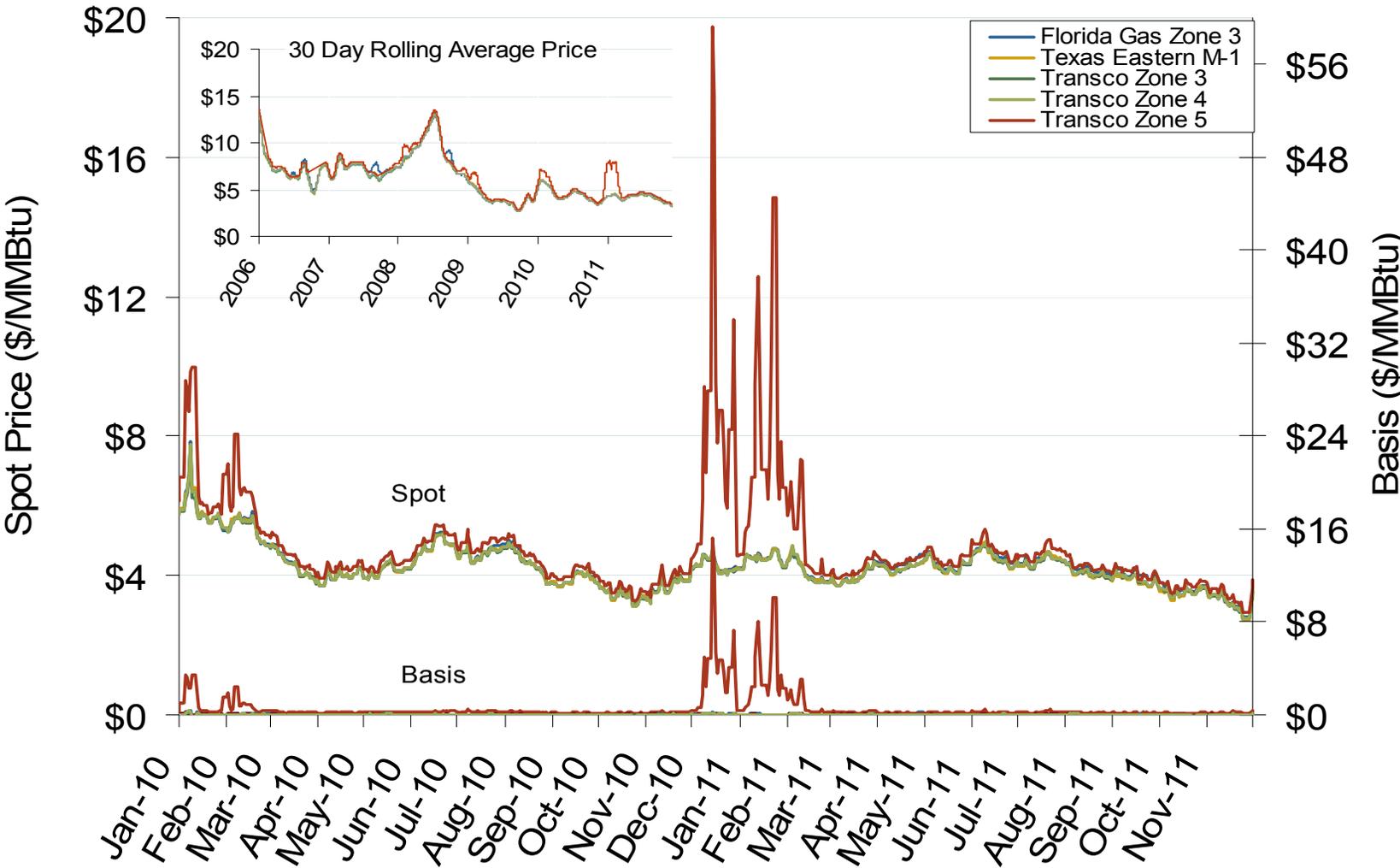
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Henry Hub Natural Gas Daily Spot Prices



Source: Derived from Platts data
December 2011 Southeastern Snapshot

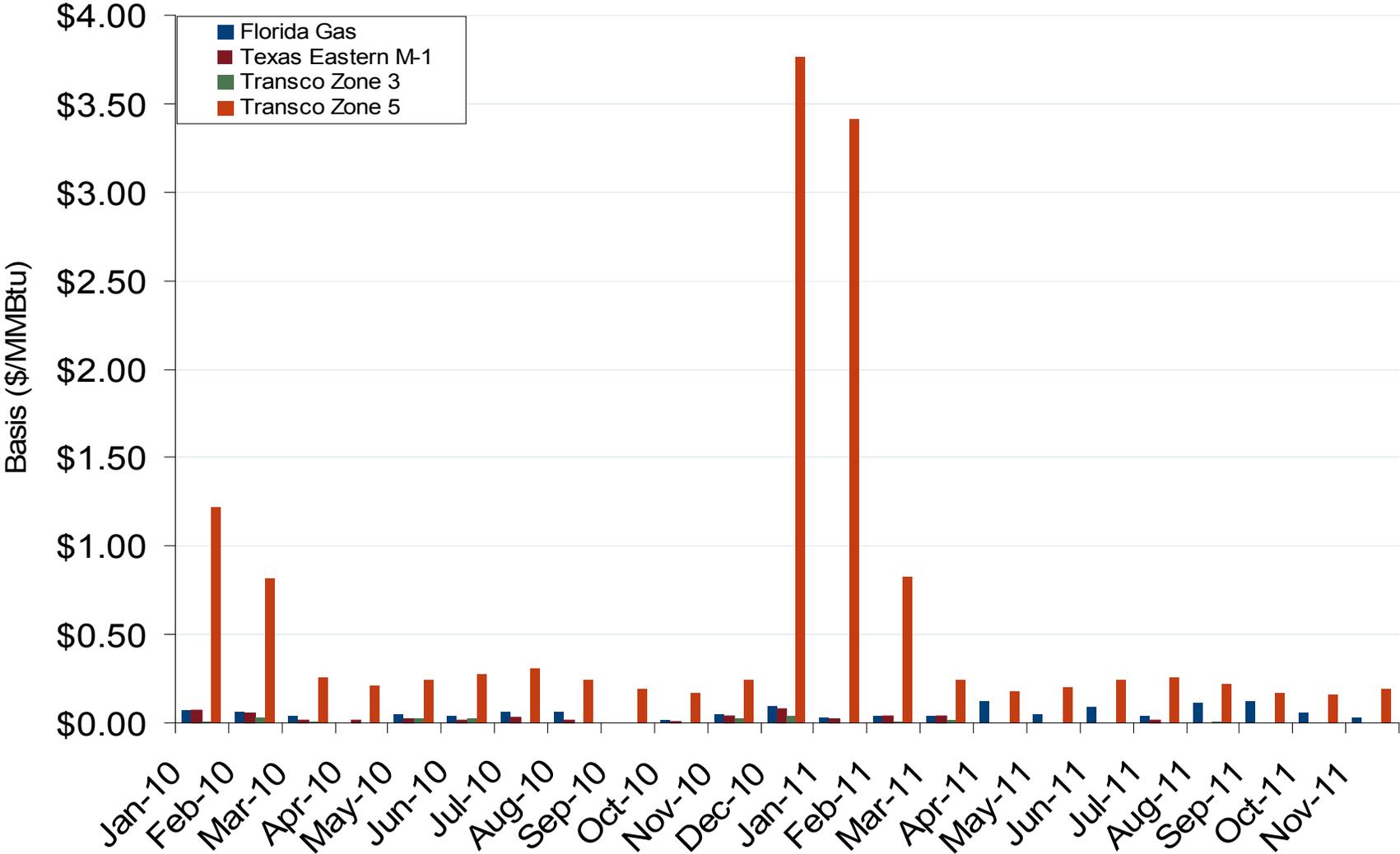
Southeastern Day-Ahead Hub Spot Prices and Basis



Southeast Natural Gas Market: Average Basis to Henry Hub

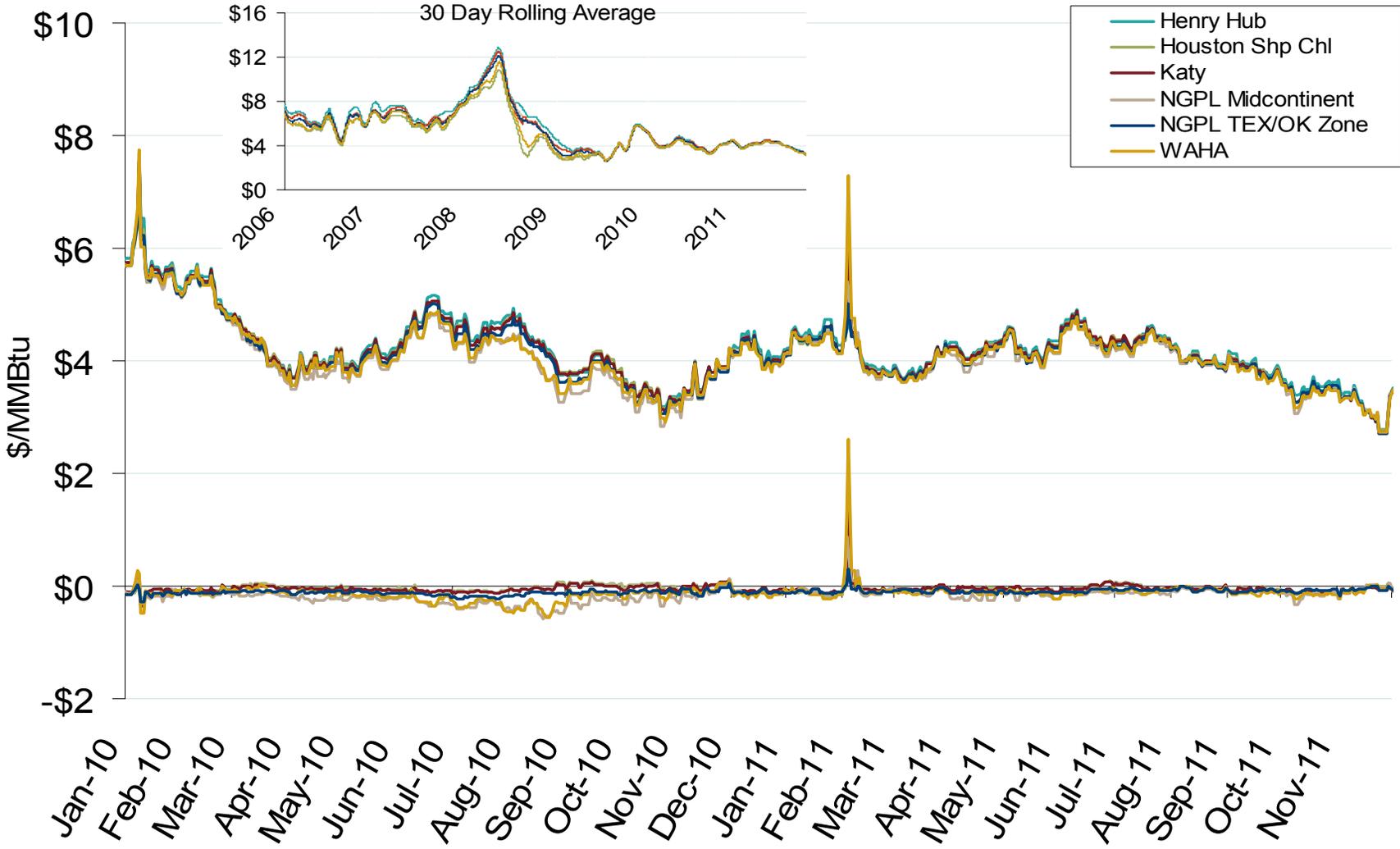
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Southeastern Monthly Average Basis Value to Henry Hub



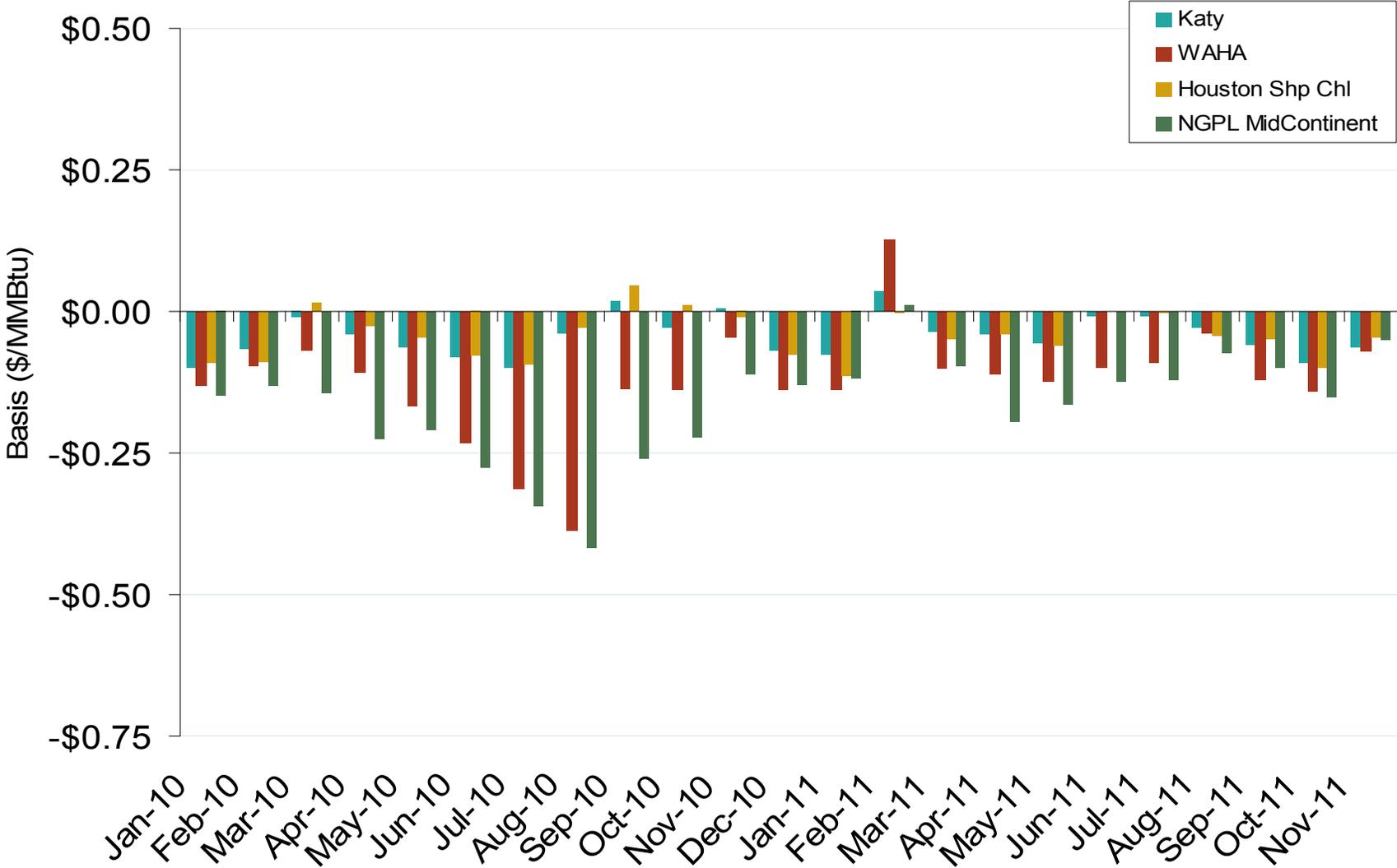
Source: Derived from Platts data
December 2011 Southeastern Snapshot

Gulf Day-Ahead Hub Spot Prices and Basis



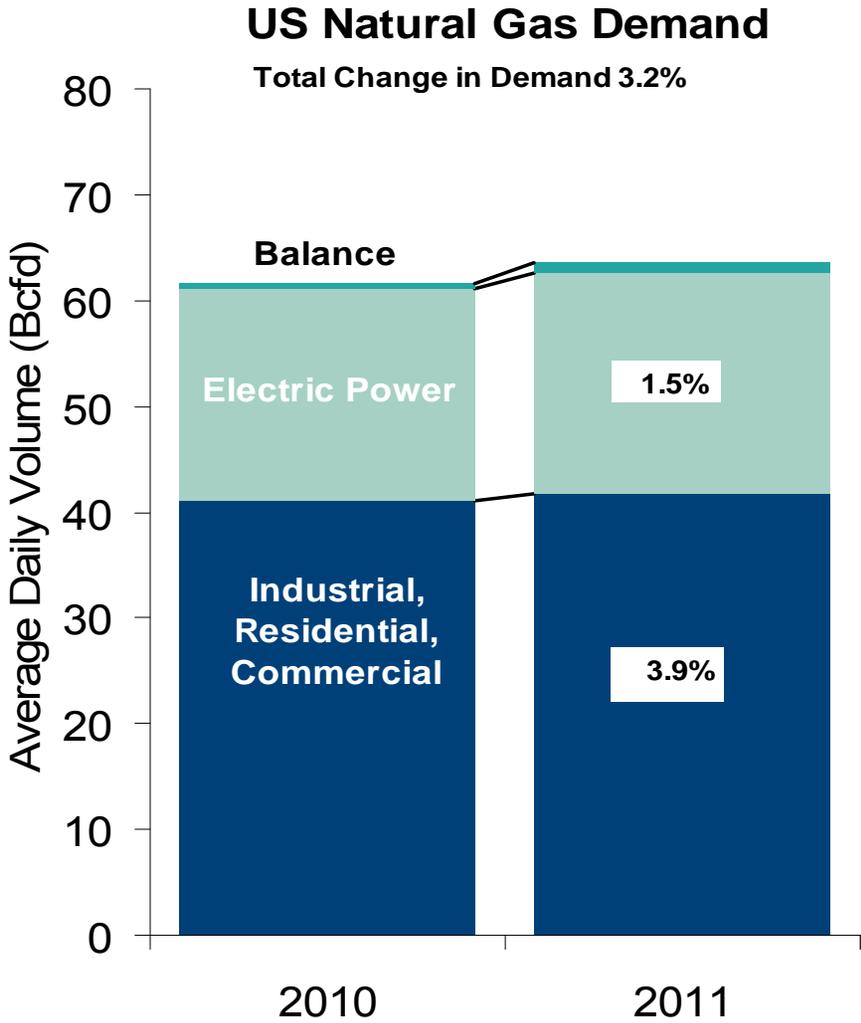
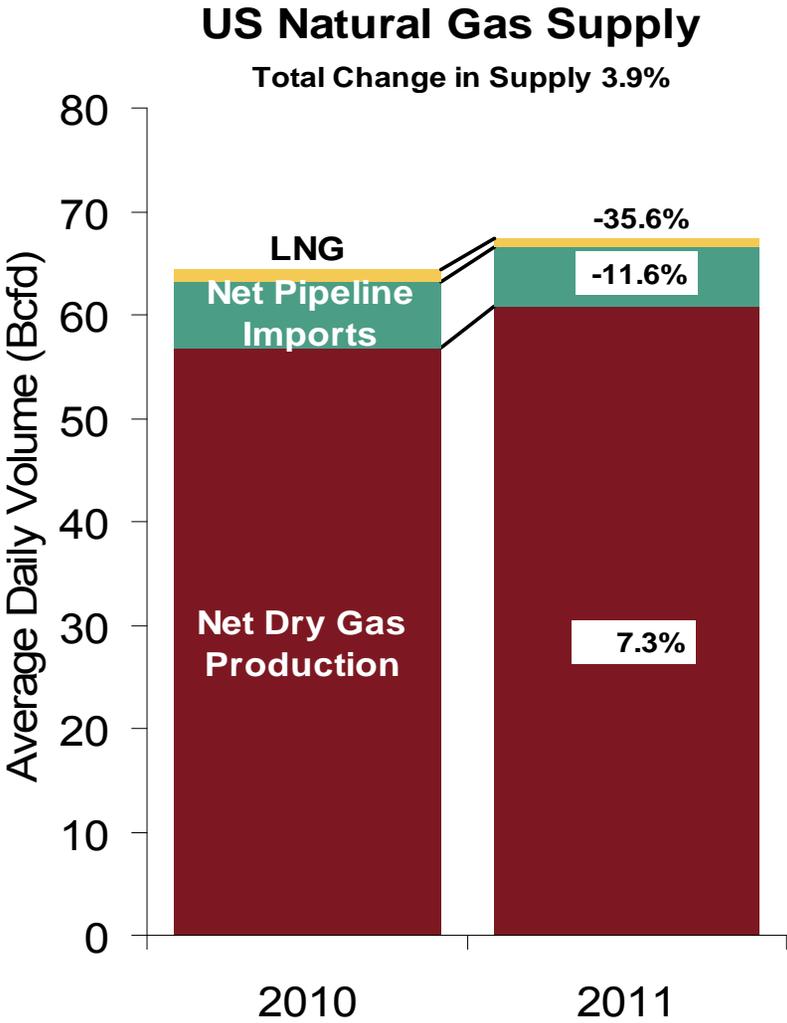
Source: Derived from *Platts* data
December 2011 Southeastern Snapshot

Gulf Monthly Average Basis Value to Henry Hub



Source: Derived from Platts data
December 2011 Southeastern Snapshot

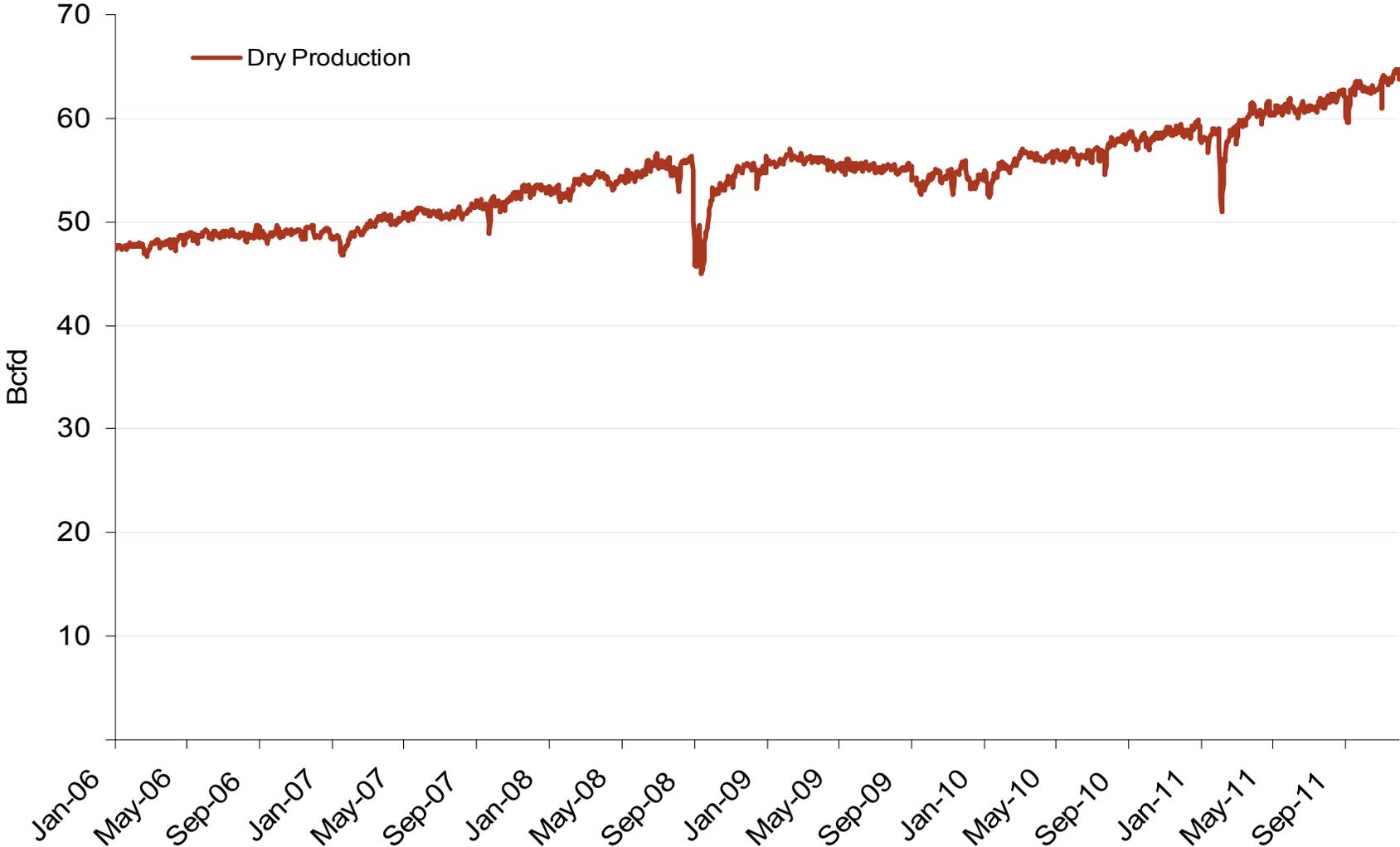
U.S. NG Supply and Demand 2010 vs. 2011: January - November



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

Source: Derived from *Bentek Energy* data
December 2011 Southeastern Snapshot

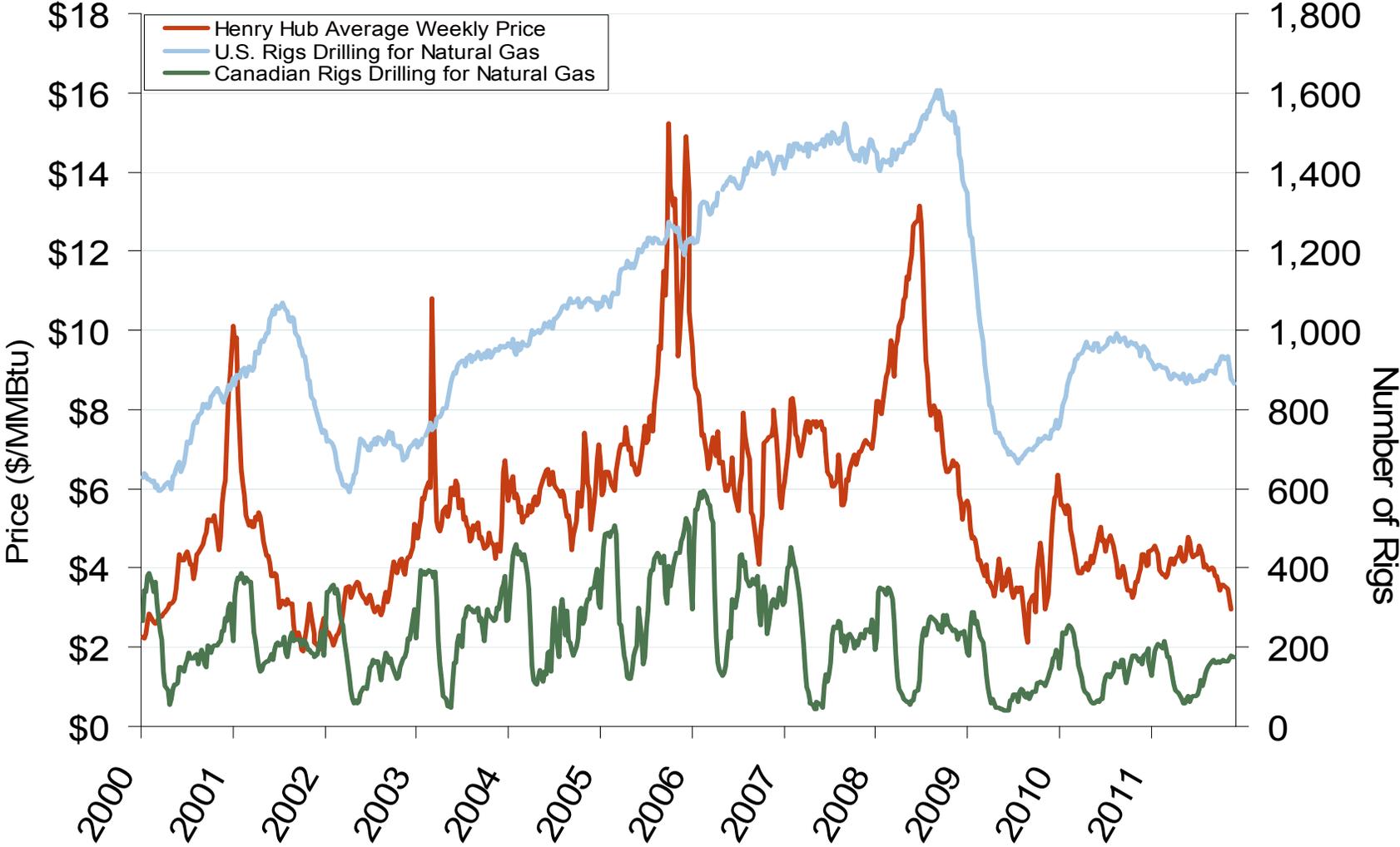
Monthly U.S. Dry Gas Production – Lower 48 States



Note: Prior to July 2010, chart was derived from a combination of *EIA* and *Bentek Energy* data
Source: Derived from *Bentek Energy* data
December 2011 Southeastern Snapshot

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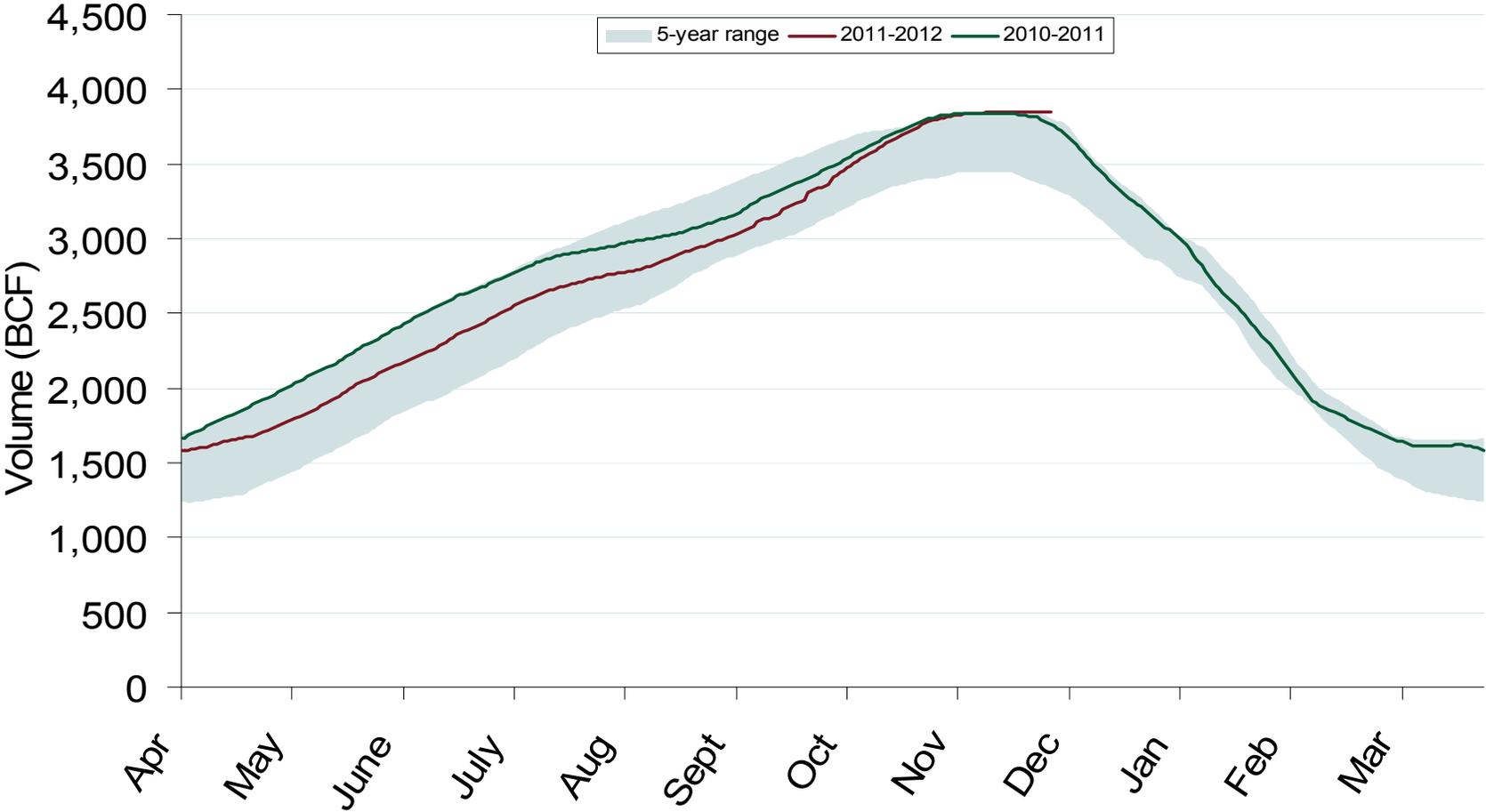
U.S. and Canadian NG Drilling Rig Count and Daily Spot Prices



Source: Derived from *Platts* and *Baker Hughes* data
December 2011 Southeastern Snapshot

Updated: December 01, 2011

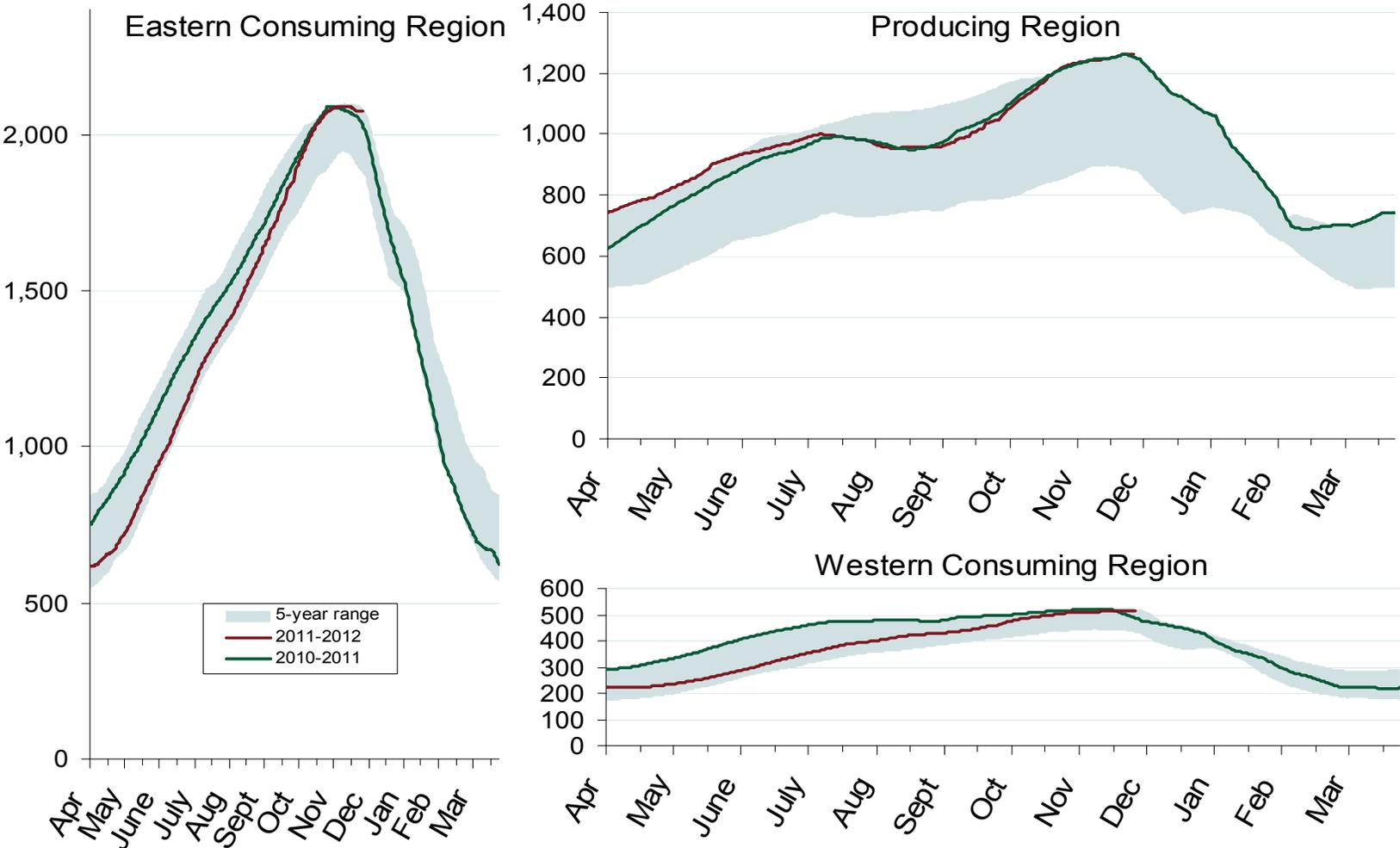
Total U.S. Working Gas in Storage



Source: Derived from EIA data
December 2011 Southeastern Snapshot

Updated: December 02, 2011

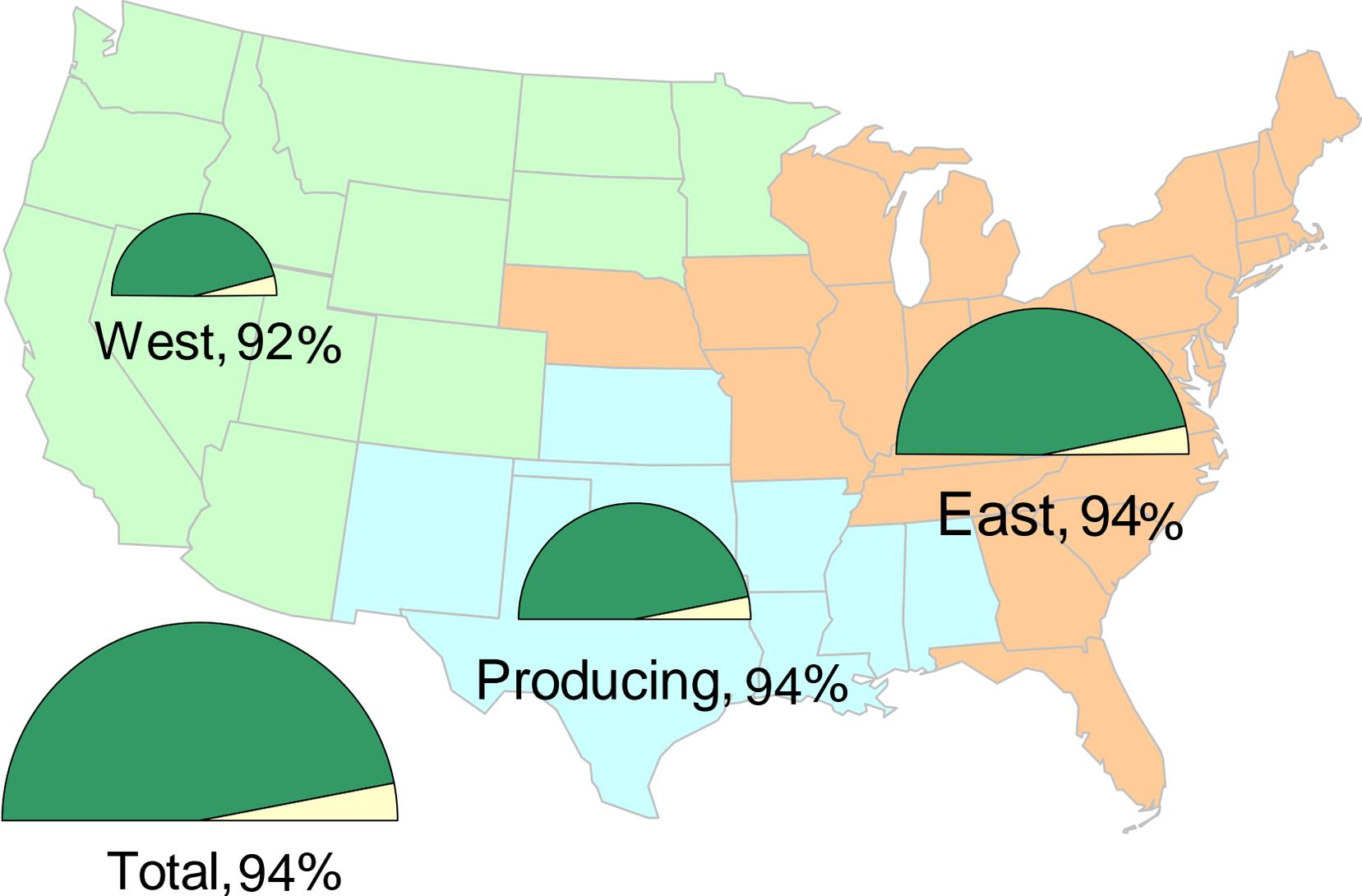
Regional Totals of Working Gas in Storage



Source: Derived from EIA data
December 2011 Southeastern Snapshot

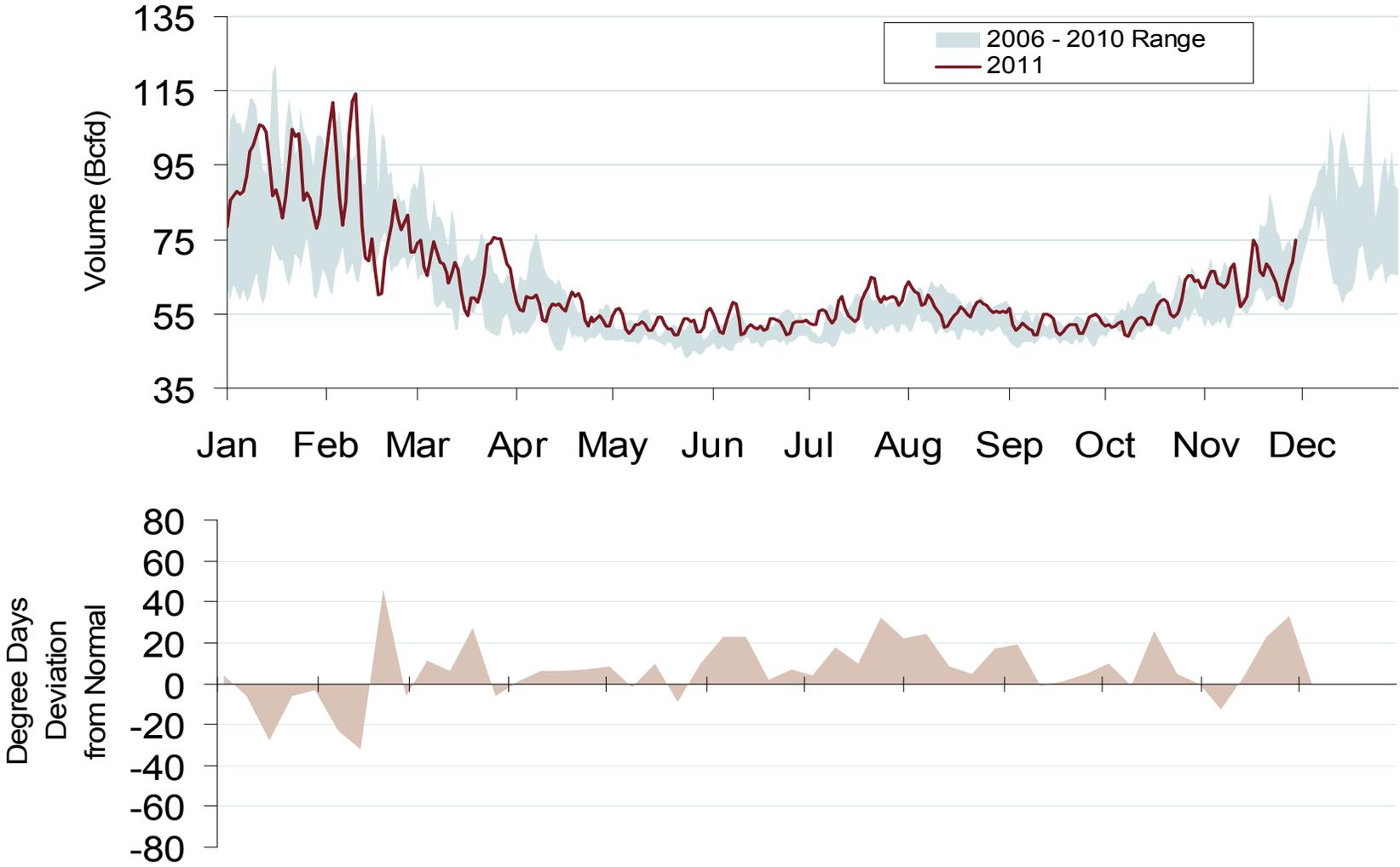
Updated: December 02, 2011

Natural Gas Storage Inventories – December 2, 2011



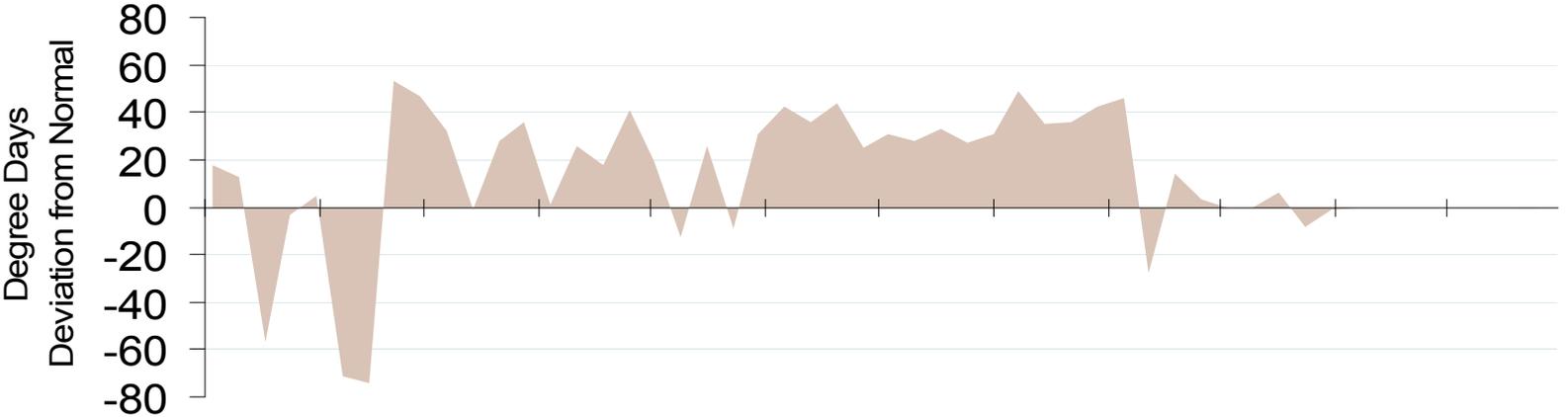
Source: Derived from EIA Storage and Estimated Working Gas Capacity data
December 2011 Southeastern Snapshot

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



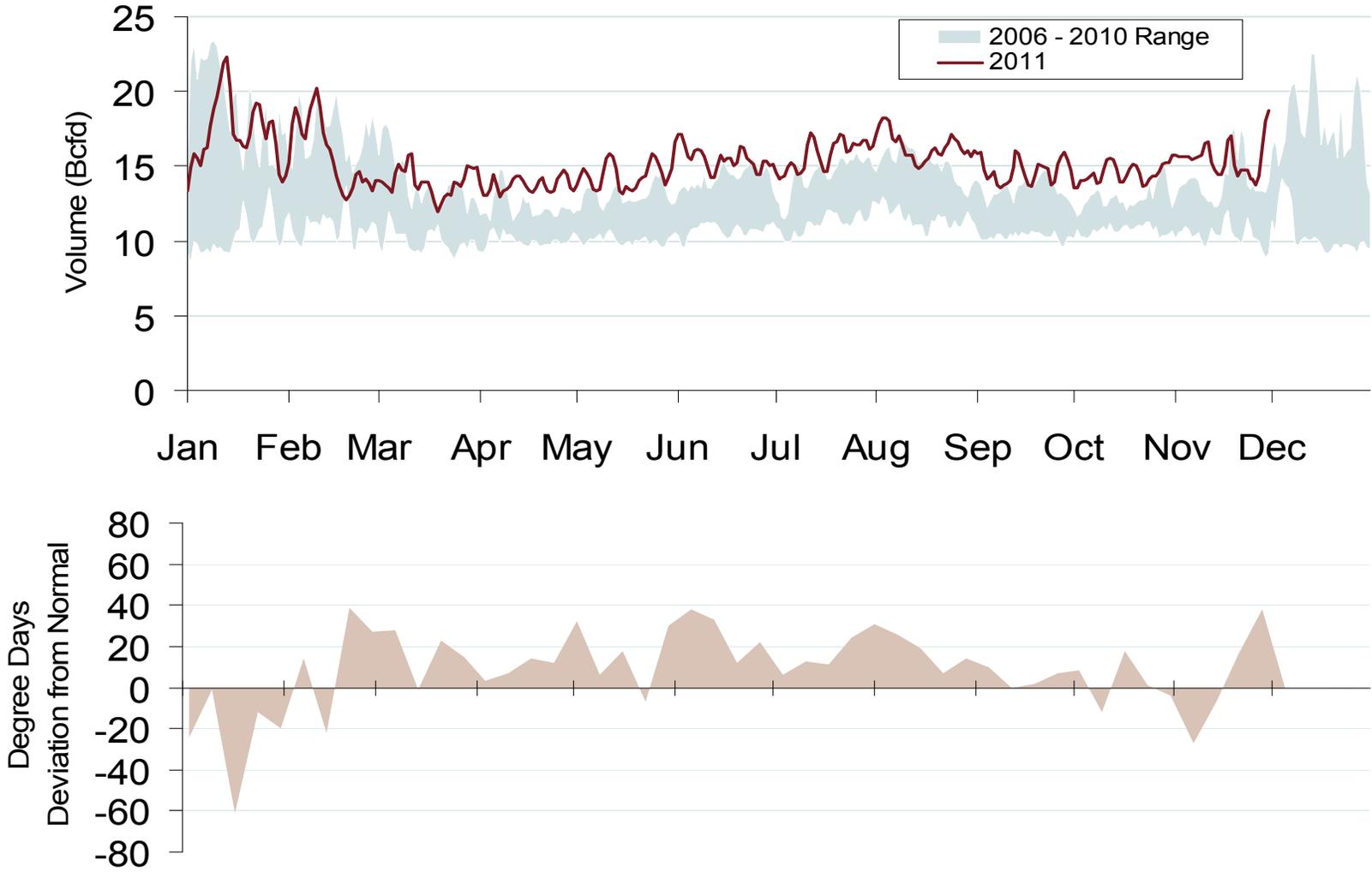
Source: Derived from *Bentek Energy* and *Weekly NOAA* data
December 2011 Southeastern Snapshot

Daily Gulf Natural Gas Demand - All Sectors



Source: Derived from *Bentek Energy* and Weekly NOAA data
December 2011 Southeastern Snapshot

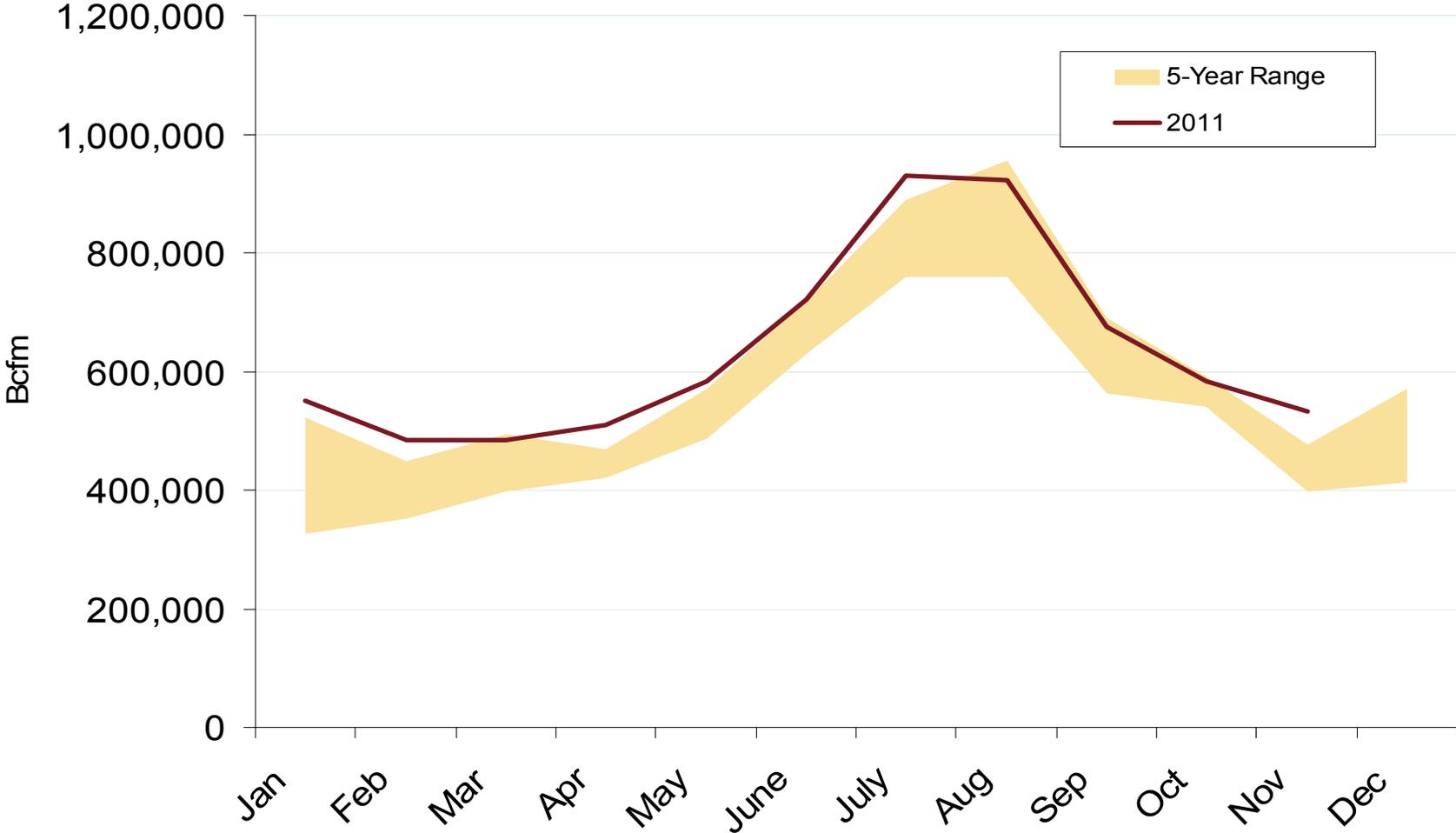
Daily Southeast Natural Gas Demand - All Sectors



Source: Derived from *Bentek Energy* and Weekly NOAA data
December 2011 Southeastern Snapshot

Updated: December 06, 2011

U.S. Natural Gas Consumption for Power Generation

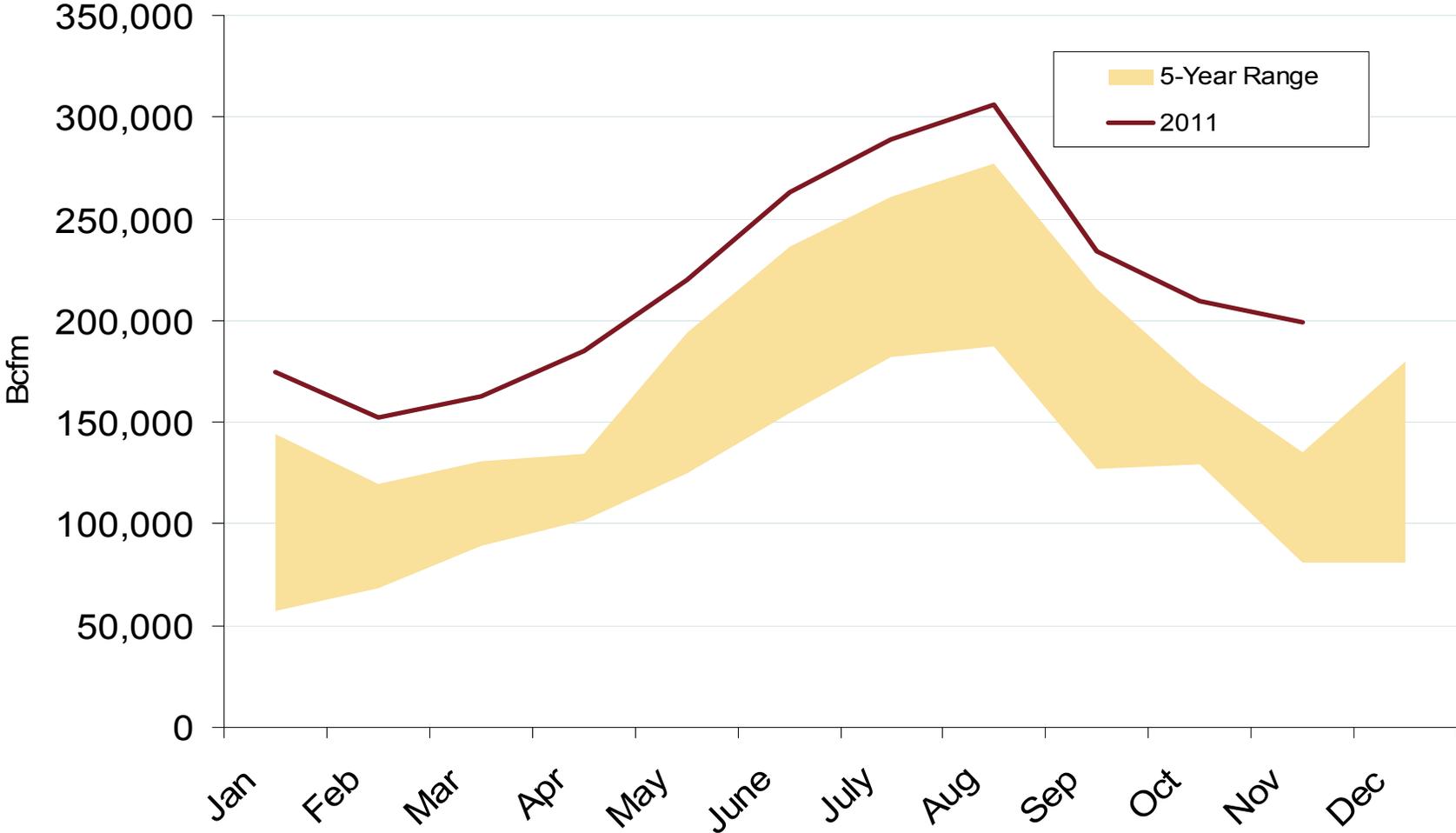


Source: Derived from *Bentek Energy* data
December 2011 Southeastern Snapshot

Updated: December 02, 2011

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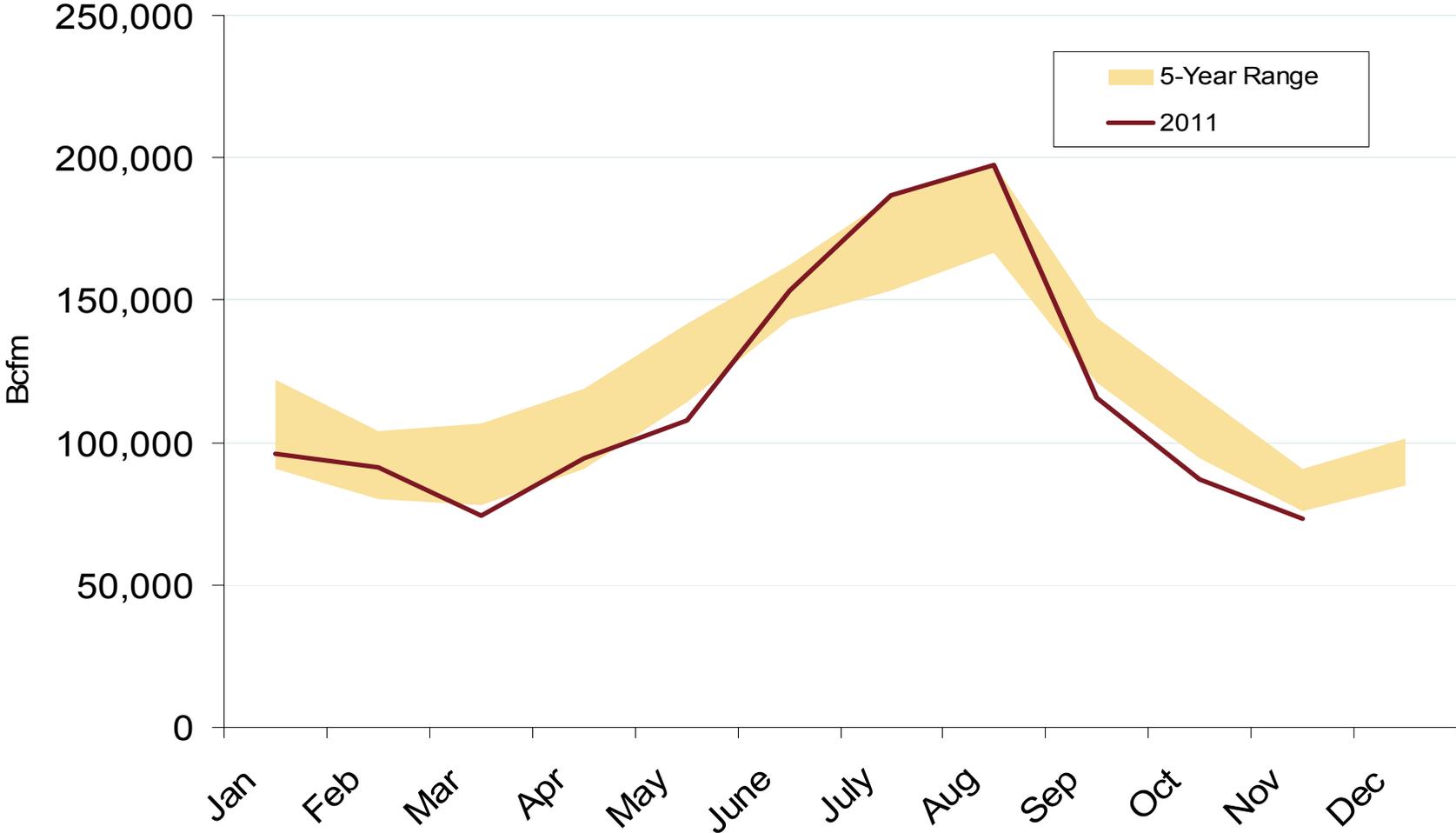
Southeast Natural Gas Consumption for Power Generation



Source: Derived from *Bentek Energy* data
December 2011 Southeastern Snapshot

Updated: December 02, 2011

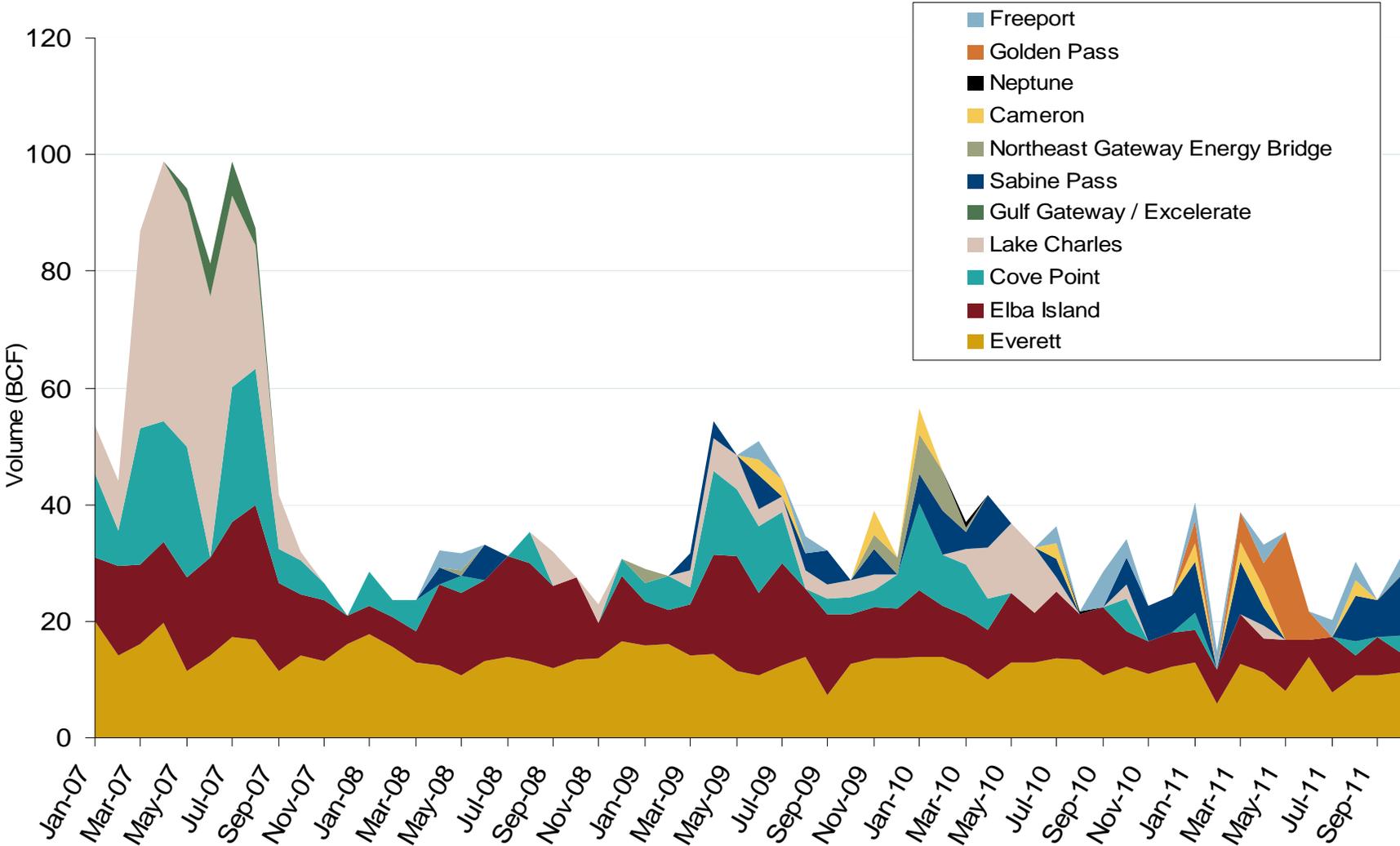
Gulf Natural Gas Consumption for Power Generation



Source: Derived from *Bentek Energy* data
December 2011 Southeastern Snapshot

Updated: December 02, 2011

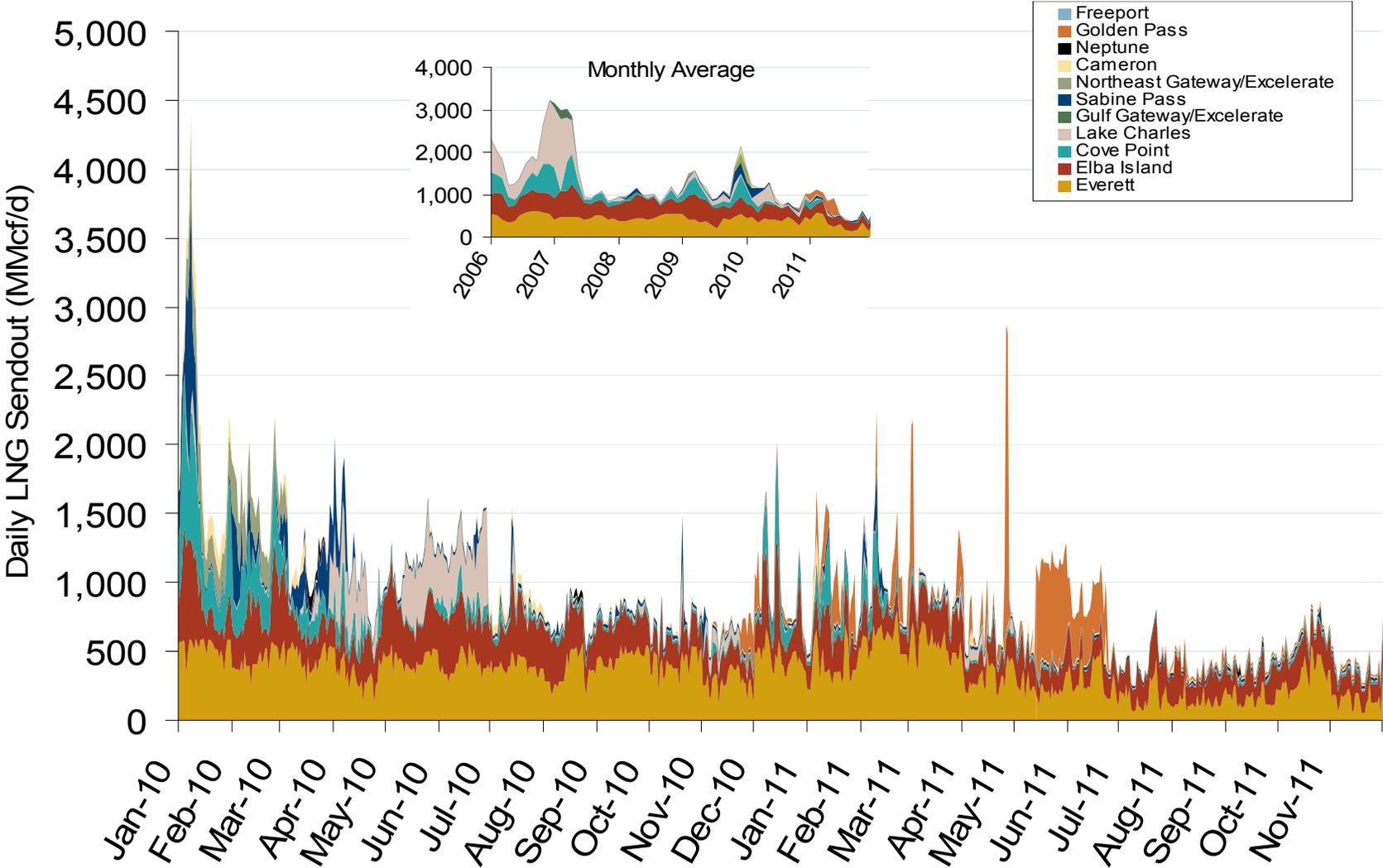
Monthly Gas Imports at Existing U.S. LNG Facilities



Source: Derived from DOE Office of Fossil Energy data
December 2011 Southeastern Snapshot

Updated: December 02, 2011

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

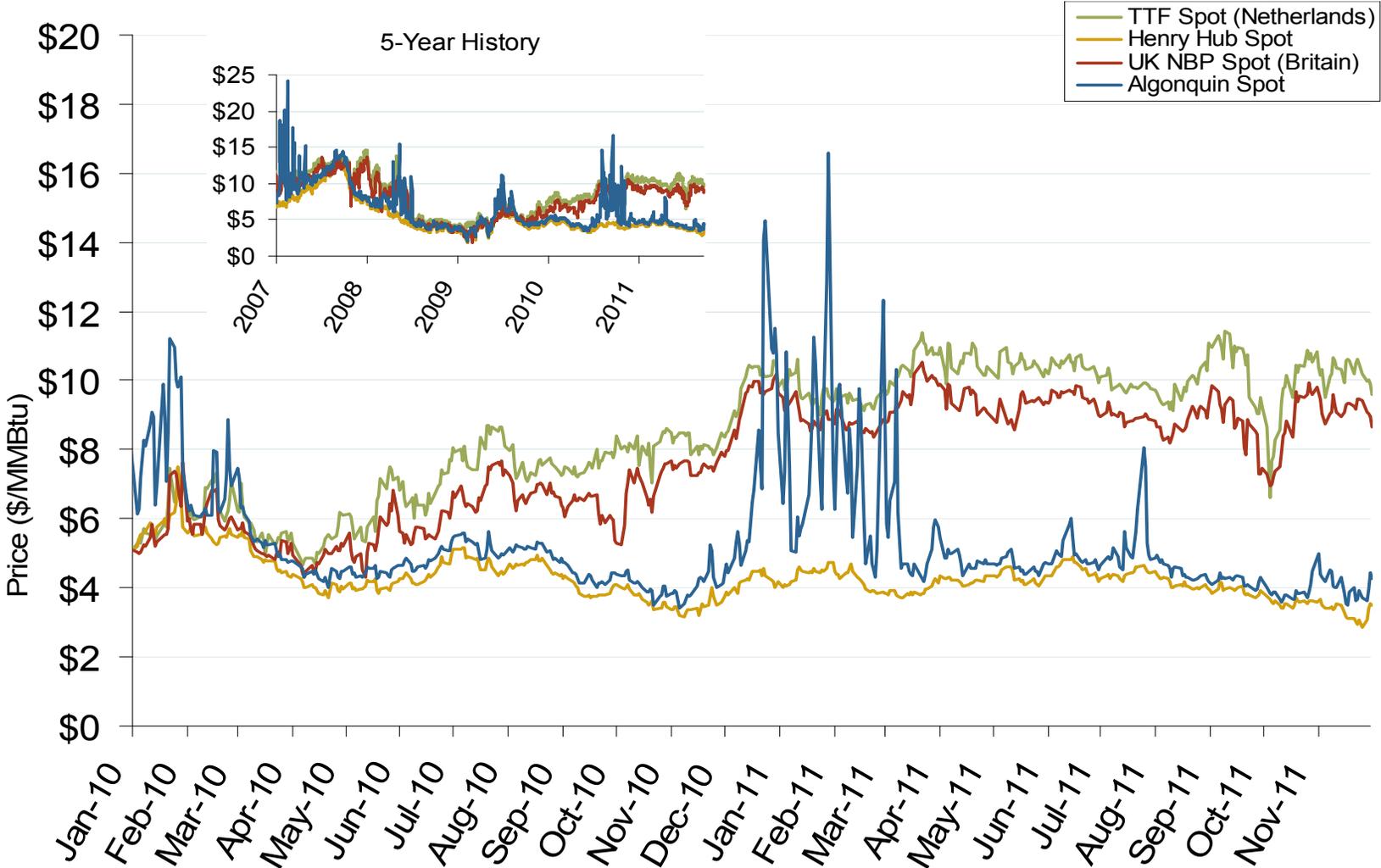
December 2011 Southeastern Snapshot

Updated: December 02, 2011

World LNG Estimated January 2012 Landed Prices



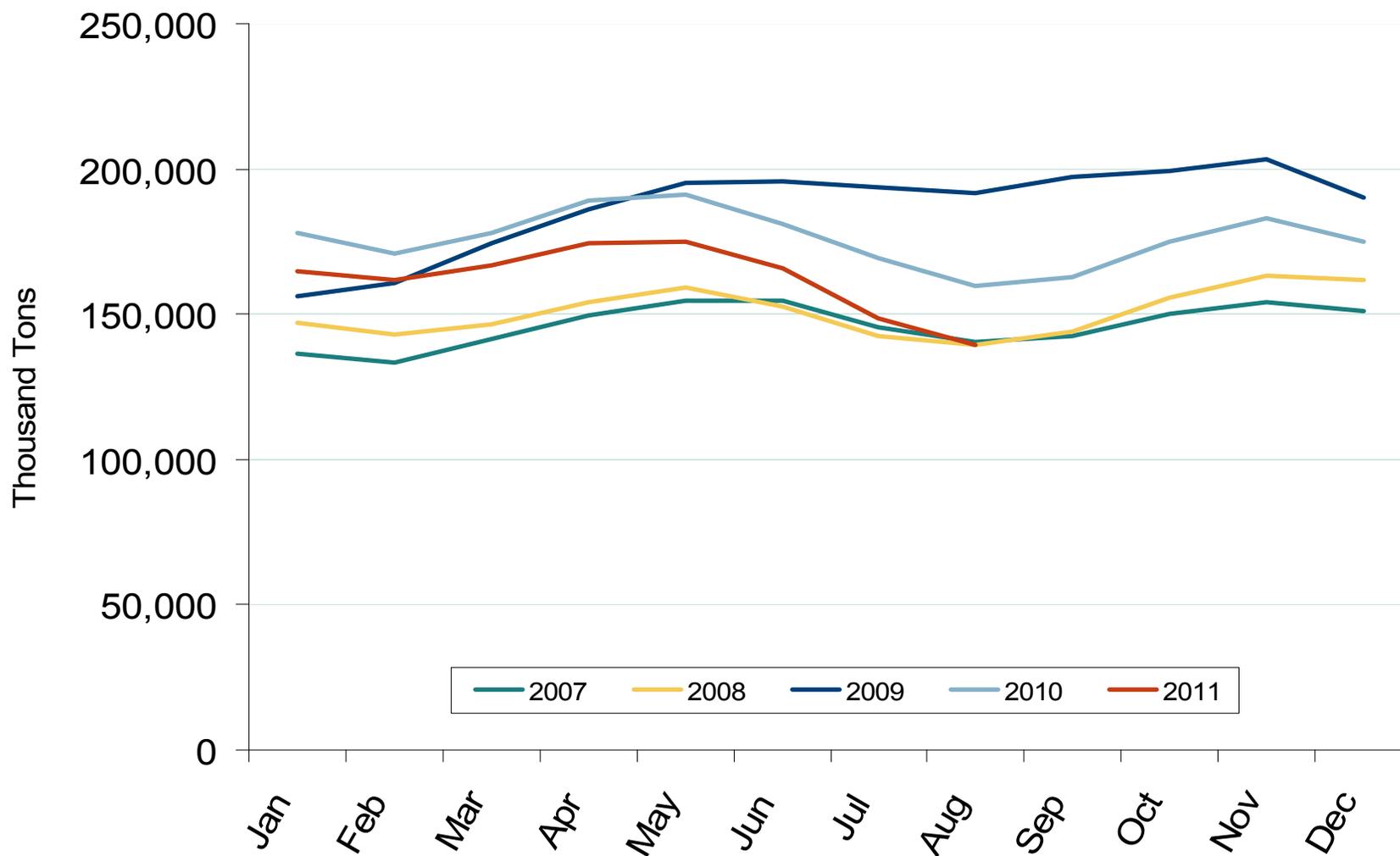
Atlantic Basin European and US Spot Natural Gas Prices

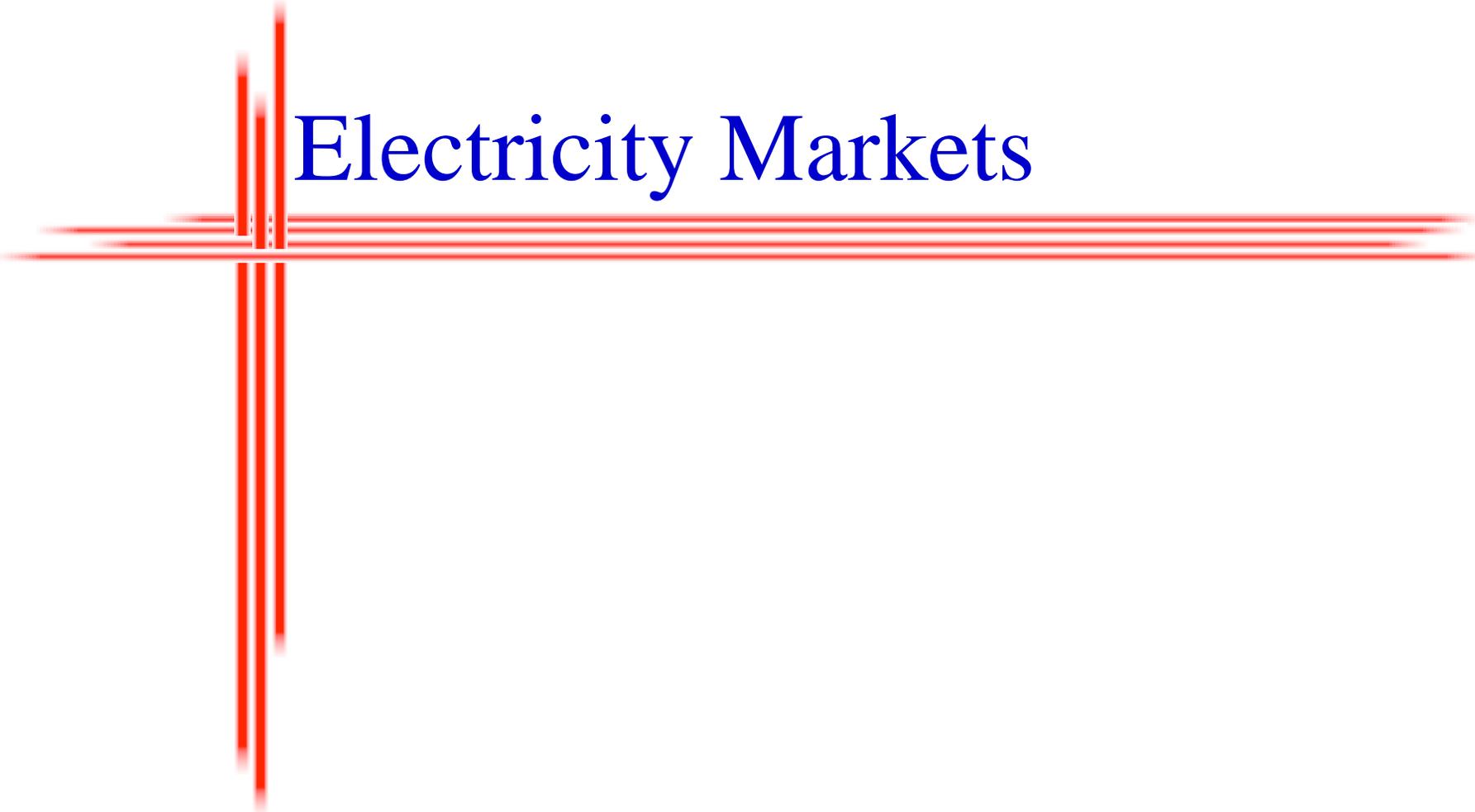


Source: Derived from *Bloomberg* and *ICE* data
December 2011 Southeastern Snapshot

Updated: December 05, 2011

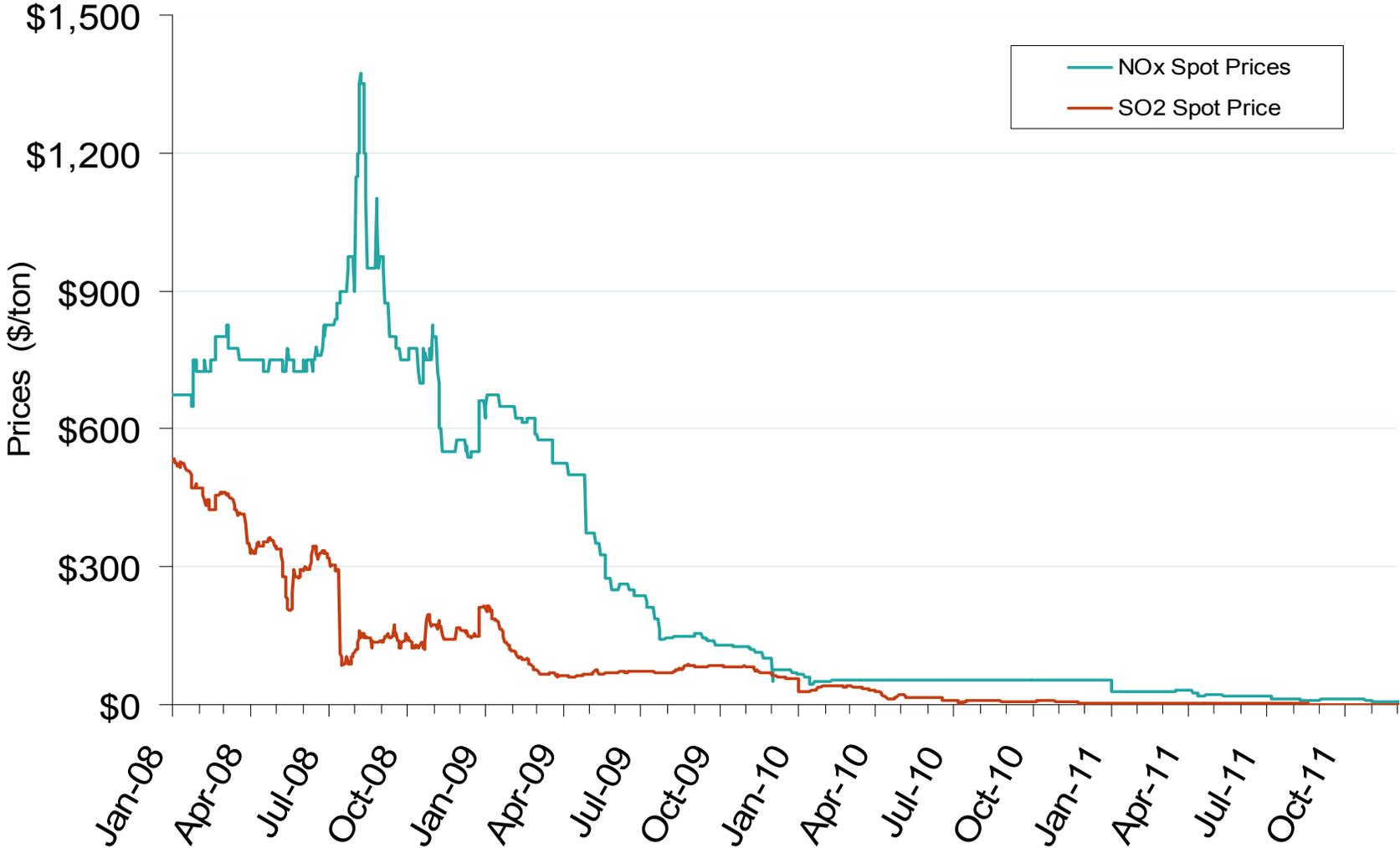
U.S. Coal Stockpiles at Electric Power Generating Facilities





Electricity Markets

SO2 Allowance Spot Prices and NOx Allowance Spot Prices



Source: Derived from Bloomberg data
December 2011 Southeastern Snapshot

Updated: December 05, 2011

Entergy and Southern Report Industrial Demand Growth

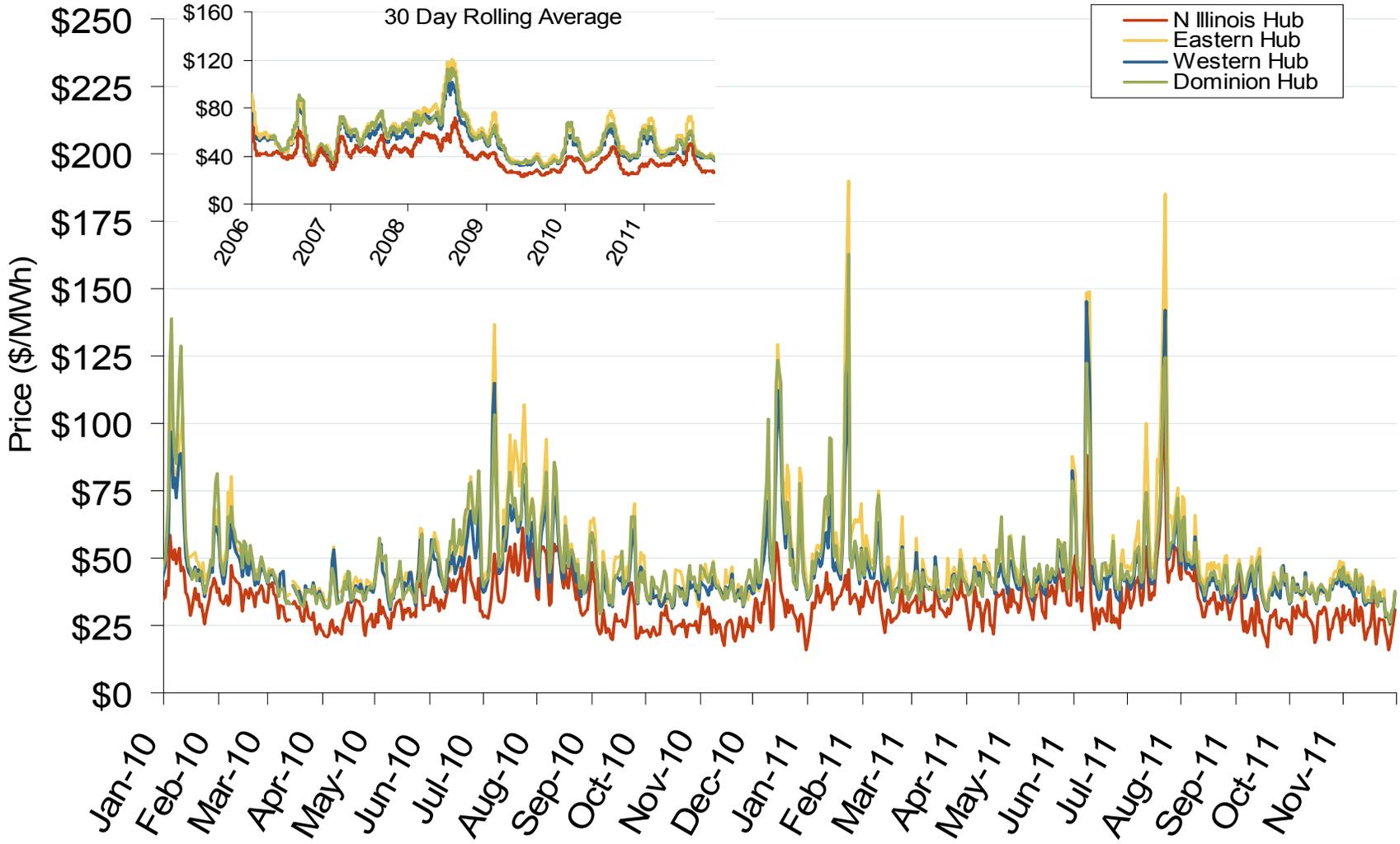
Entergy

- Q3 industrial sales grew by 7.3% compared to Q3 2010
- Strongest gains in Louisiana, where growth was 15.1%

Southern

- Q3 industrial sales grew more modestly at 1.6% compared to Q3 2010
- Industrial sales currently at 95% of prerecession level
- Over 6,000 new jobs in the Southern Service territory since the start of Q3

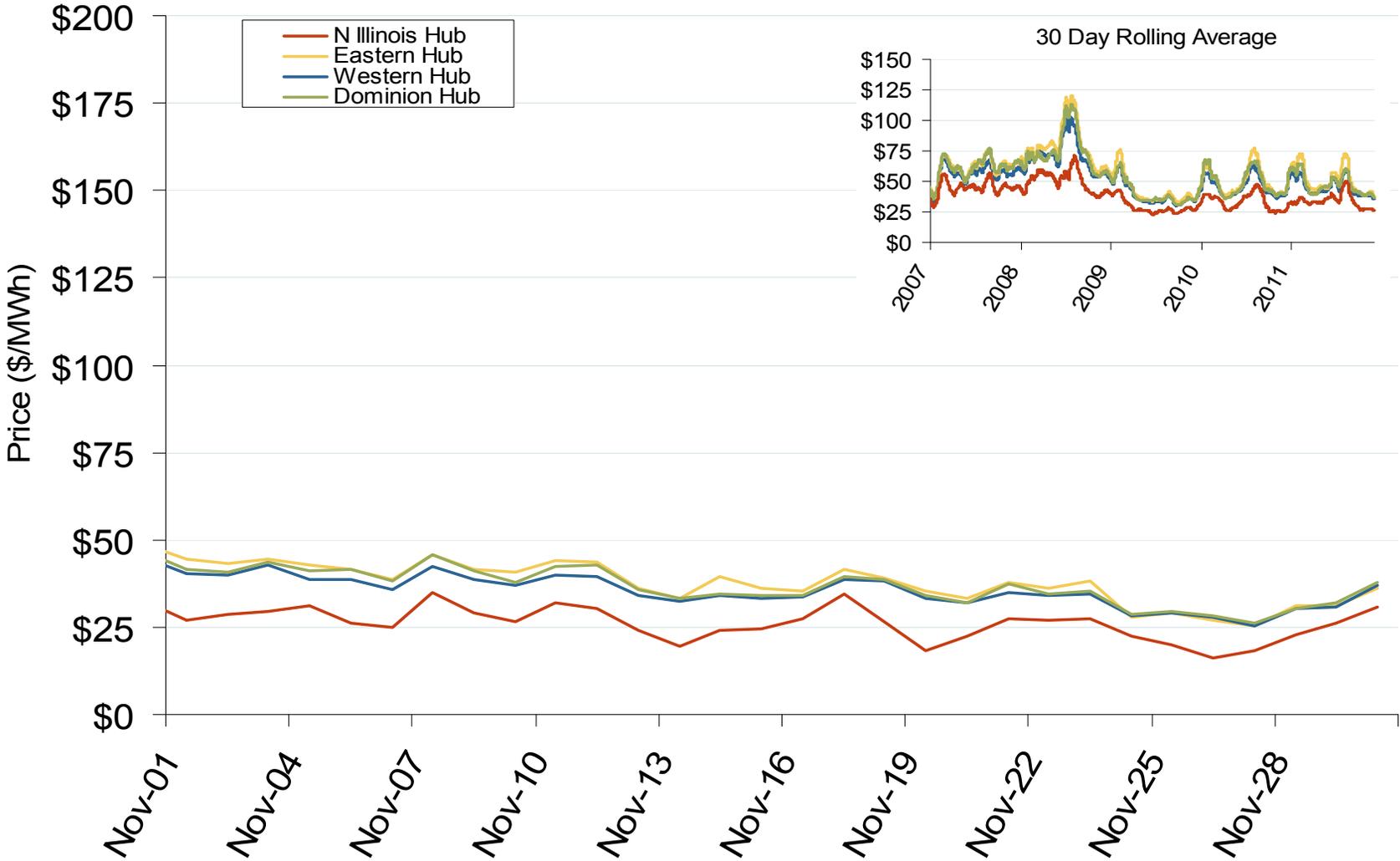
Daily Average of PJM Day-Ahead Prices - All Hours



Source: Derived from Bloomberg data
December 2011 Southeastern Snapshot

Updated: December 05, 2011

Daily Average of PJM Day-Ahead Prices - All Hours

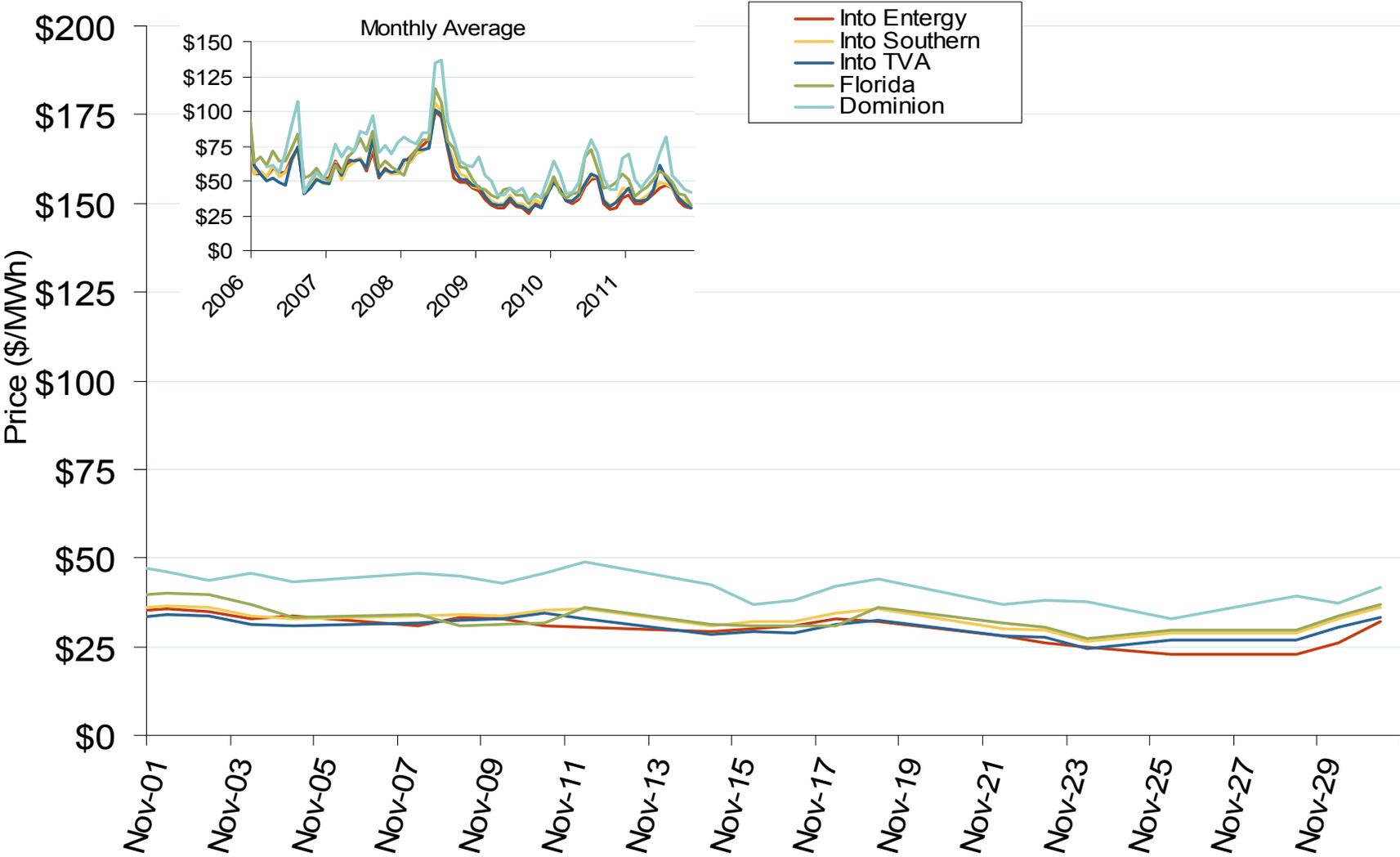


Source: Derived from *Bloomberg* data
December 2011 Southeastern Snapshot

Southeast Electric Market: Last Month's Southeastern Bilateral Prices

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Southeastern Daily Bilateral Day-Ahead On-Peak Prices



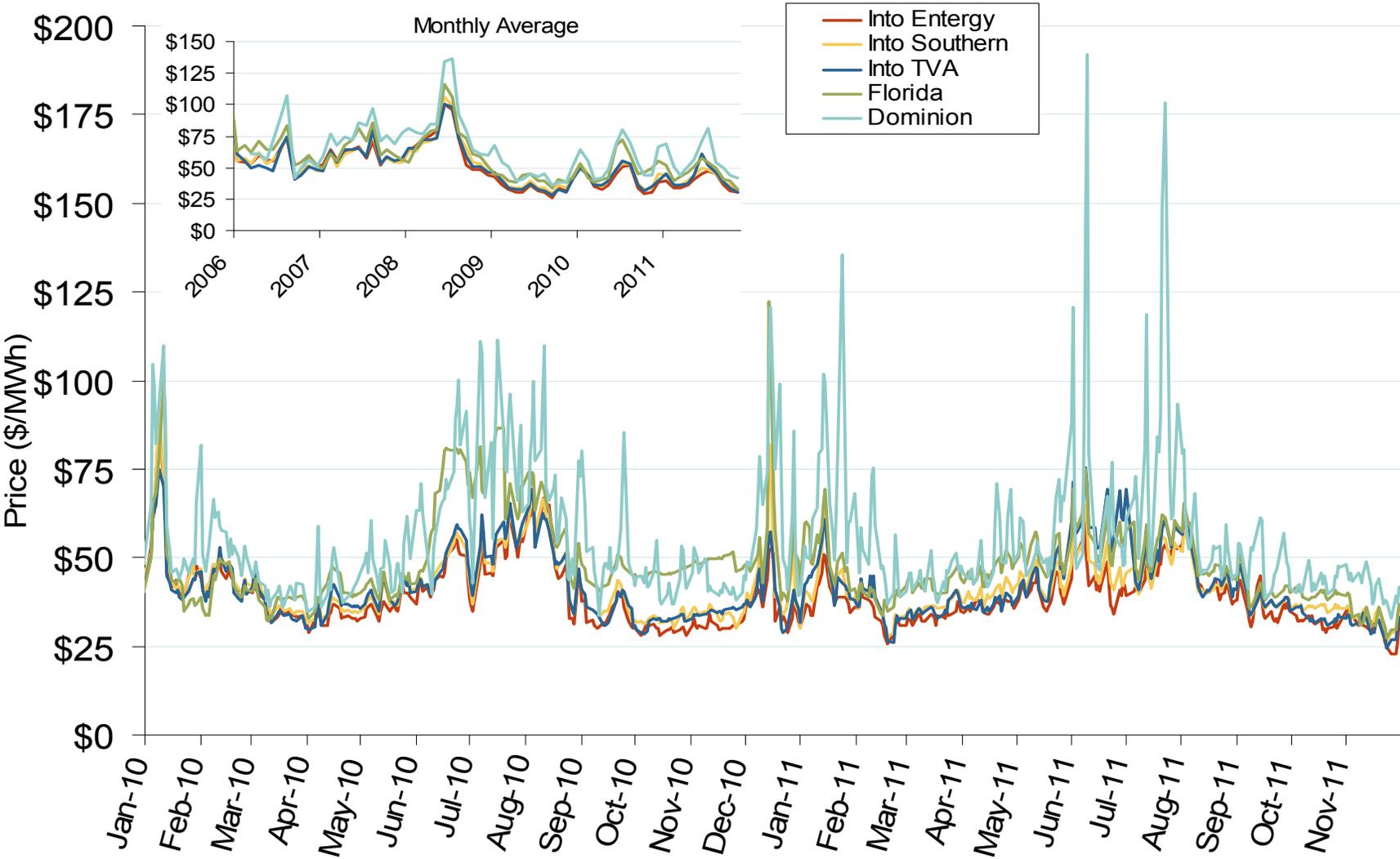
Source: Derived from *Platts* data
December 2011 Southeastern Snapshot

Updated: December 05, 2011

Southeast Electric Market: Southeastern Bilateral Prices

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Southeastern Daily Bilateral Day-Ahead On-Peak Prices



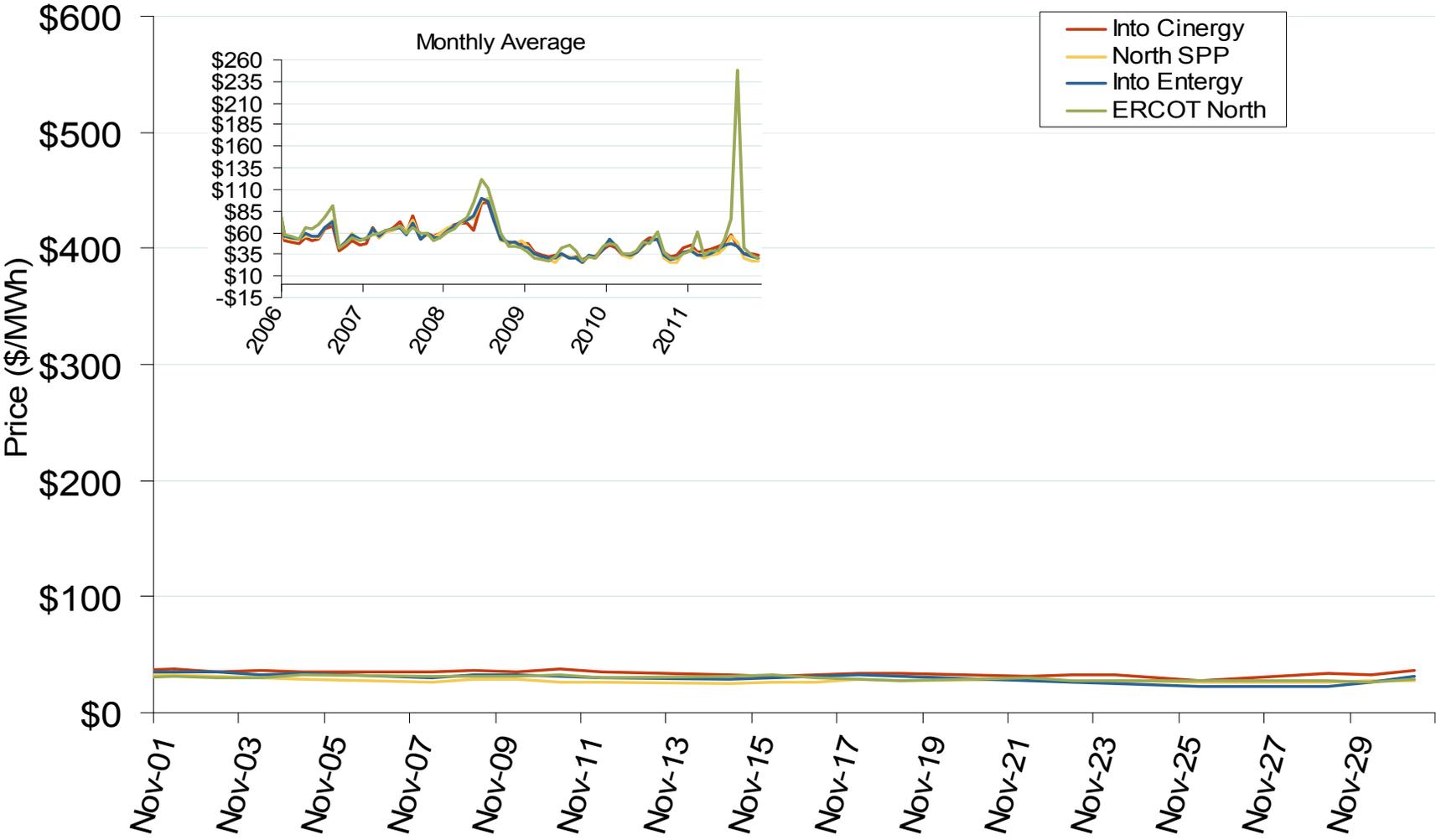
Source: Derived from *Platts* data
December 2011 Southeastern Snapshot

Updated: December 05, 2011

Southeast Electric Market: Last Month's Midwestern Bilateral Prices

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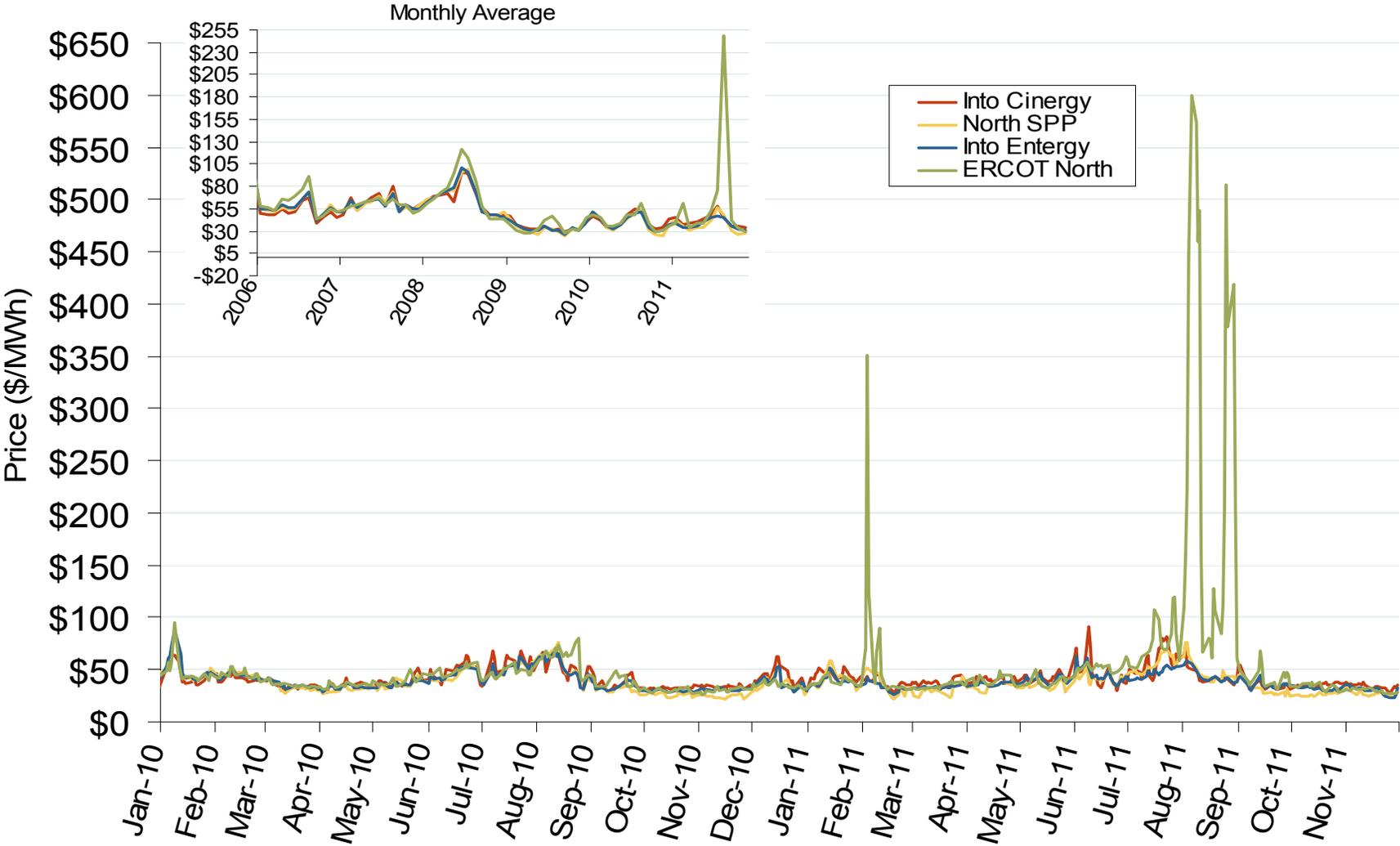
Midwestern Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from *Platts* data
December 2011 Southeastern Snapshot

Updated: December 05, 2011

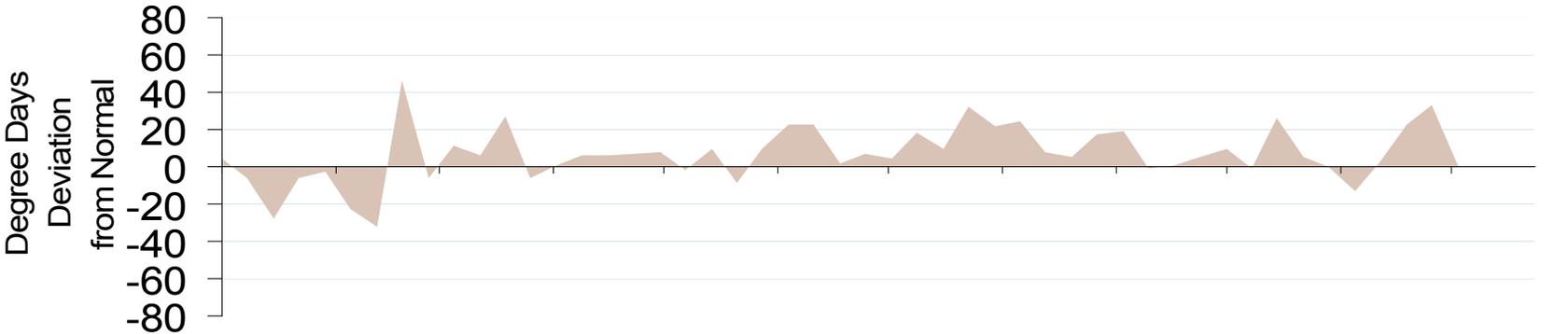
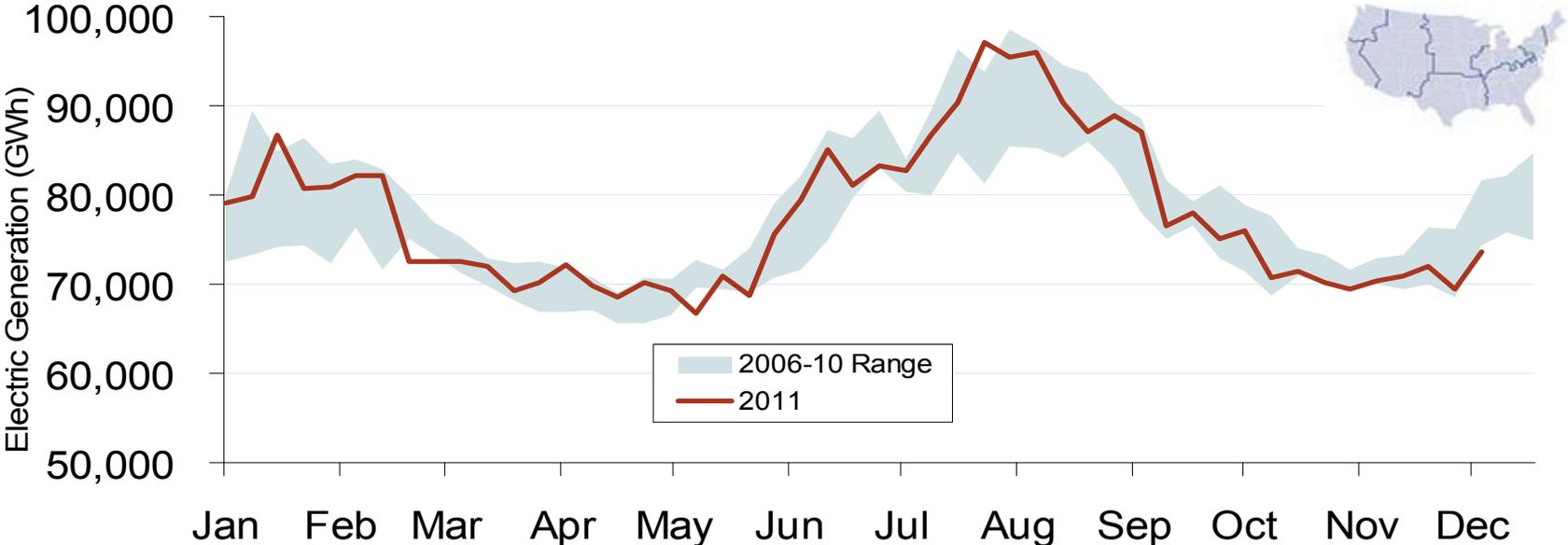
Midwestern Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from *Platts* data
December 2011 Southeastern Snapshot

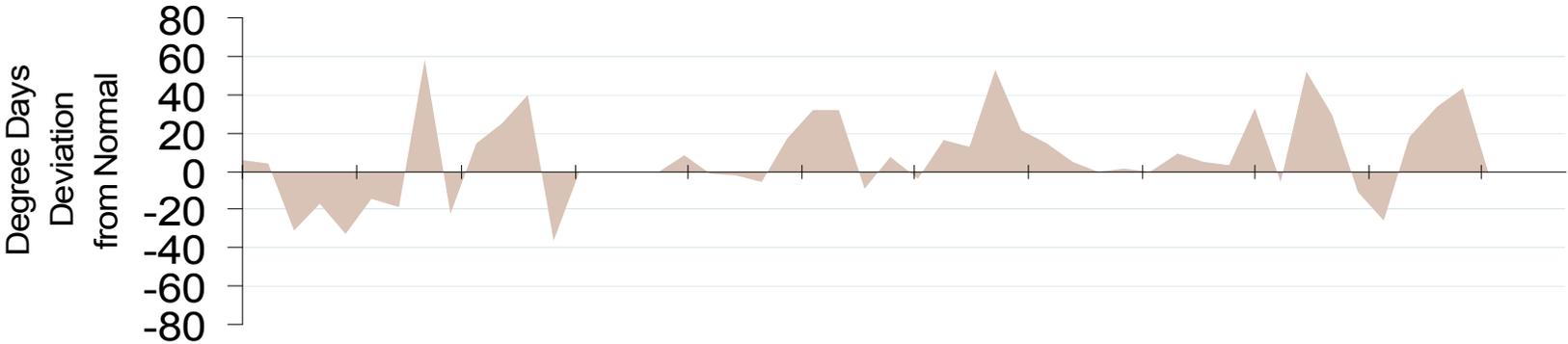
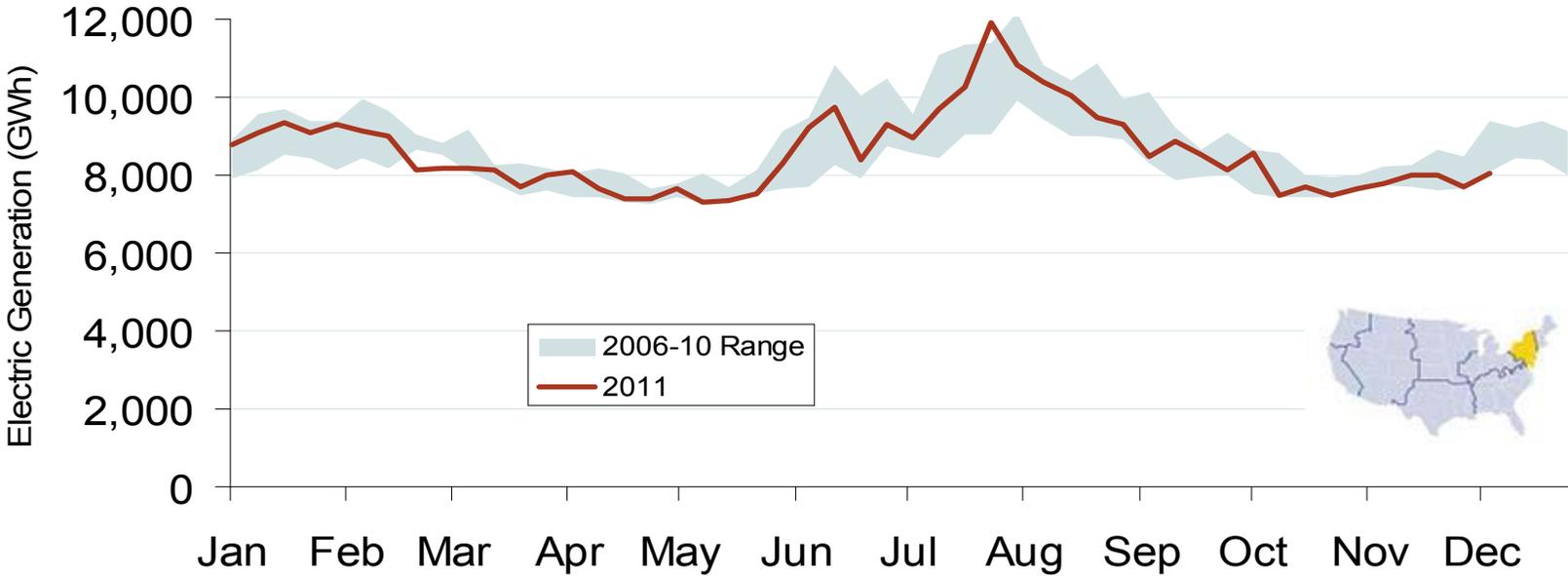
Updated: December 05, 2011

Weekly U.S. Electric Generation Output and Temperatures



Source: Derived from *EEI* and *NOAA* data
December 2011 Southeastern Snapshot

Weekly Power Generation & Temps. - Mid Atlantic

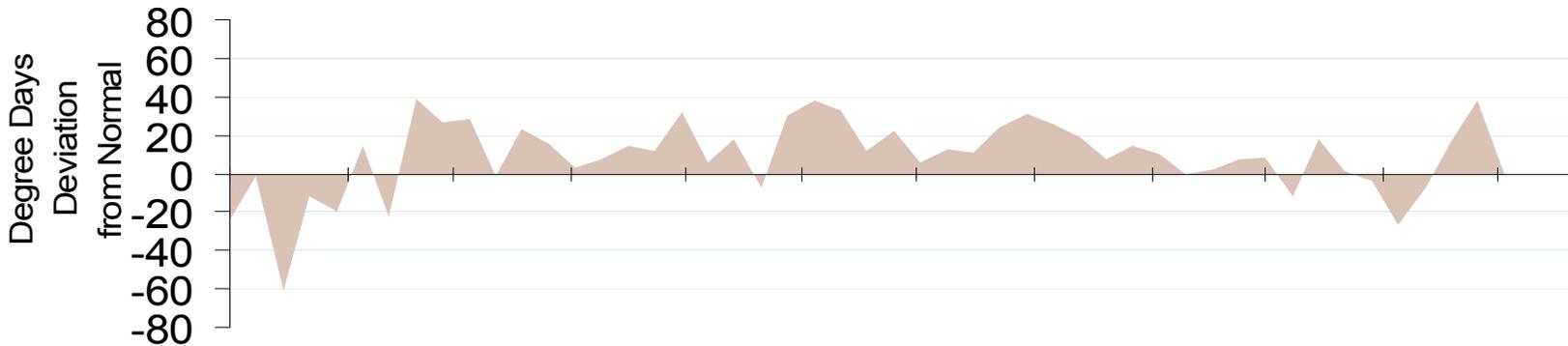
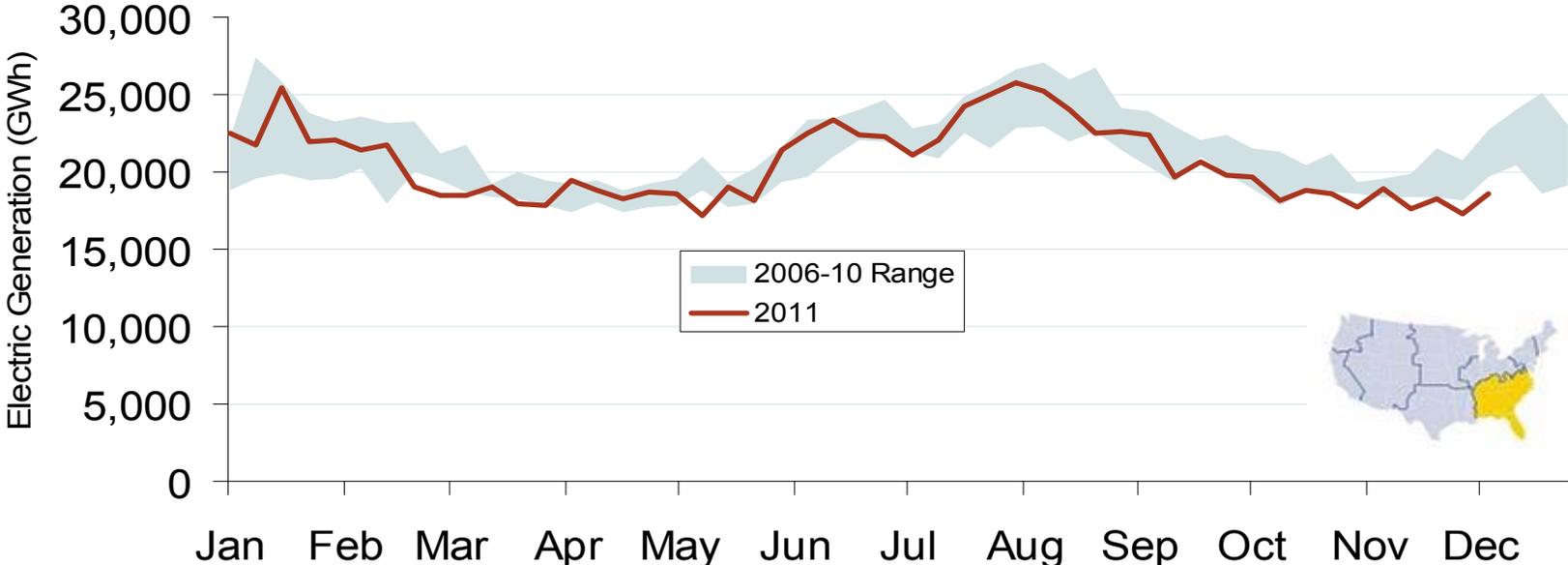


Source: Derived from EEI and NOAA data
December 2011 Southeastern Snapshot

Southeast Electric Market: Generation Output and Temperatures

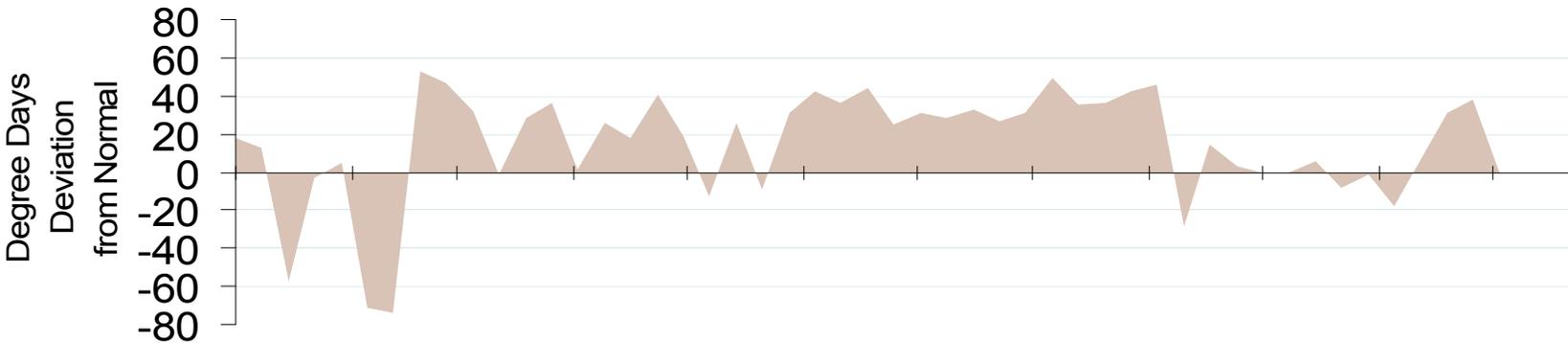
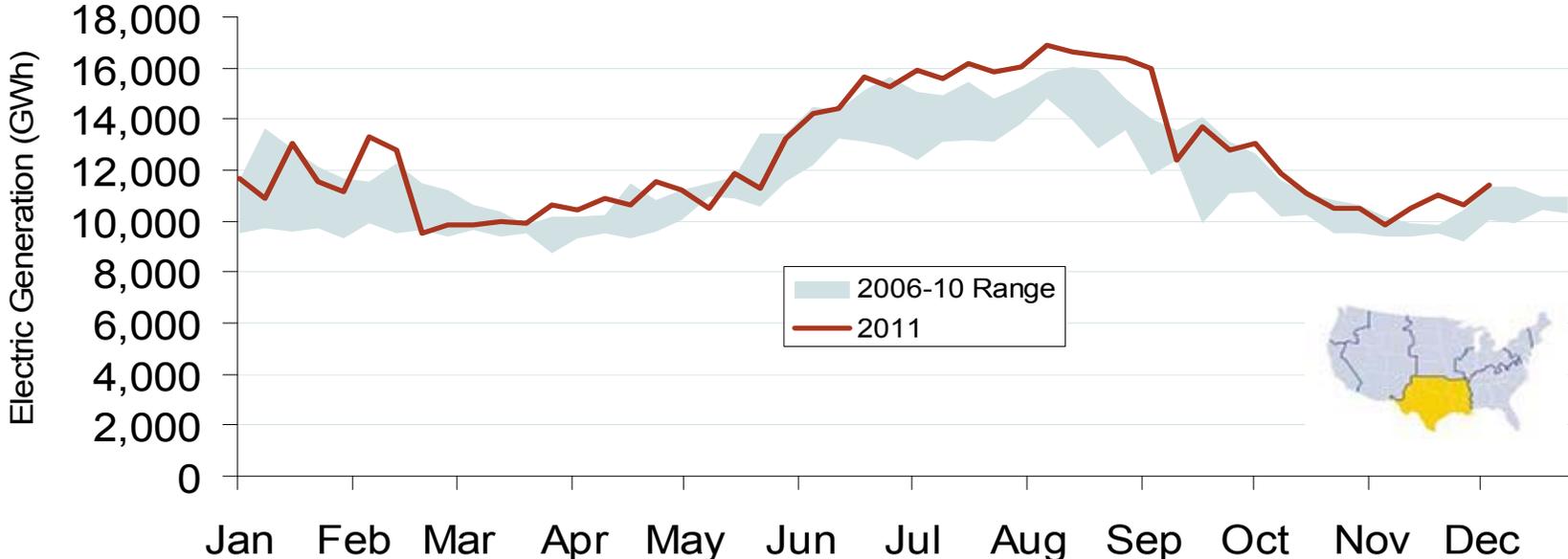
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Weekly Power Generation & Temps. - Southeast



Source: Derived from EEI and NOAA data
December 2011 Southeastern Snapshot

Weekly Power Generation & Temps. - South Central

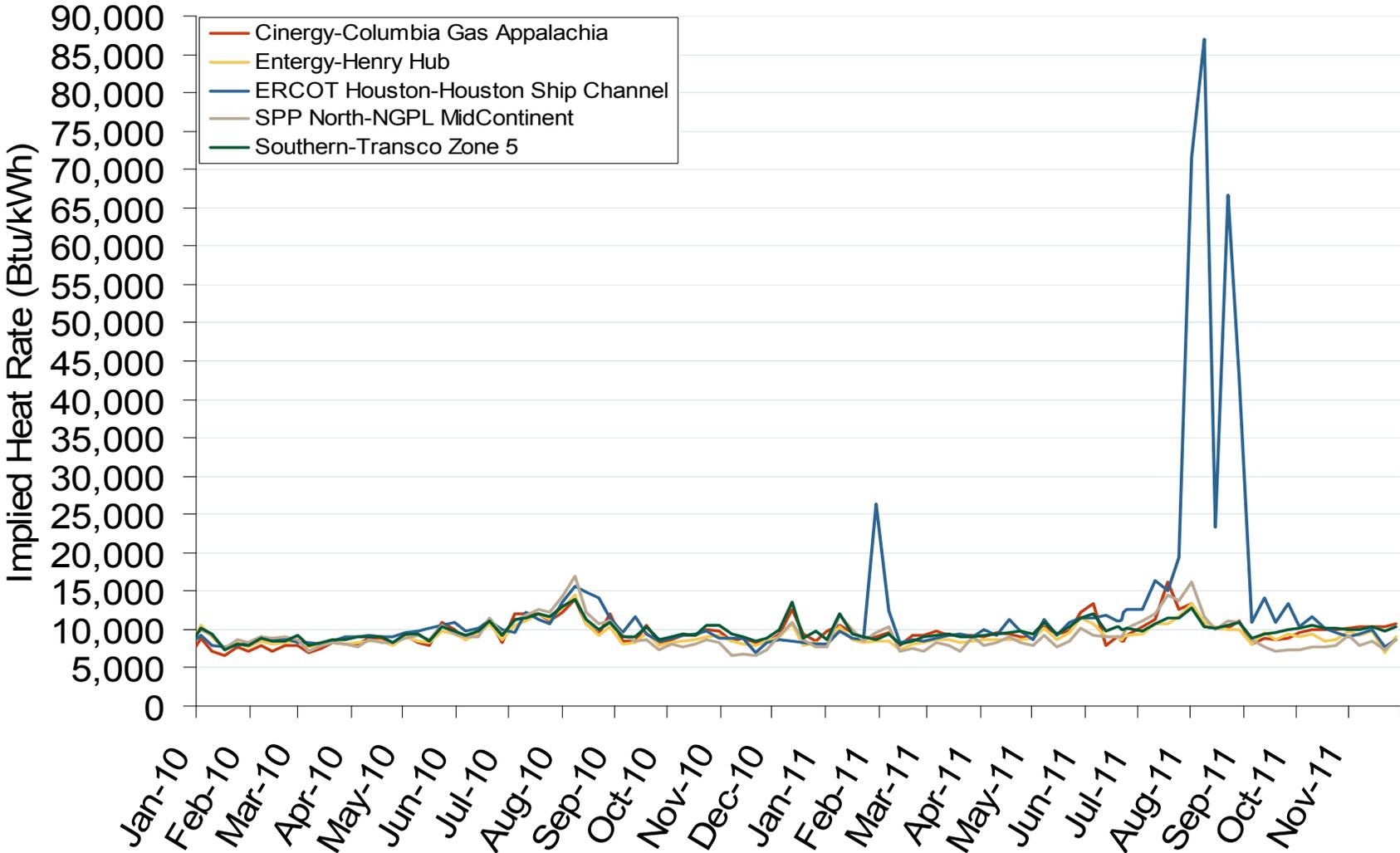


Source: Derived from EEI and NOAA data
December 2011 Southeastern Snapshot

Southeast Electric Market: South Central Implied Heat Rates

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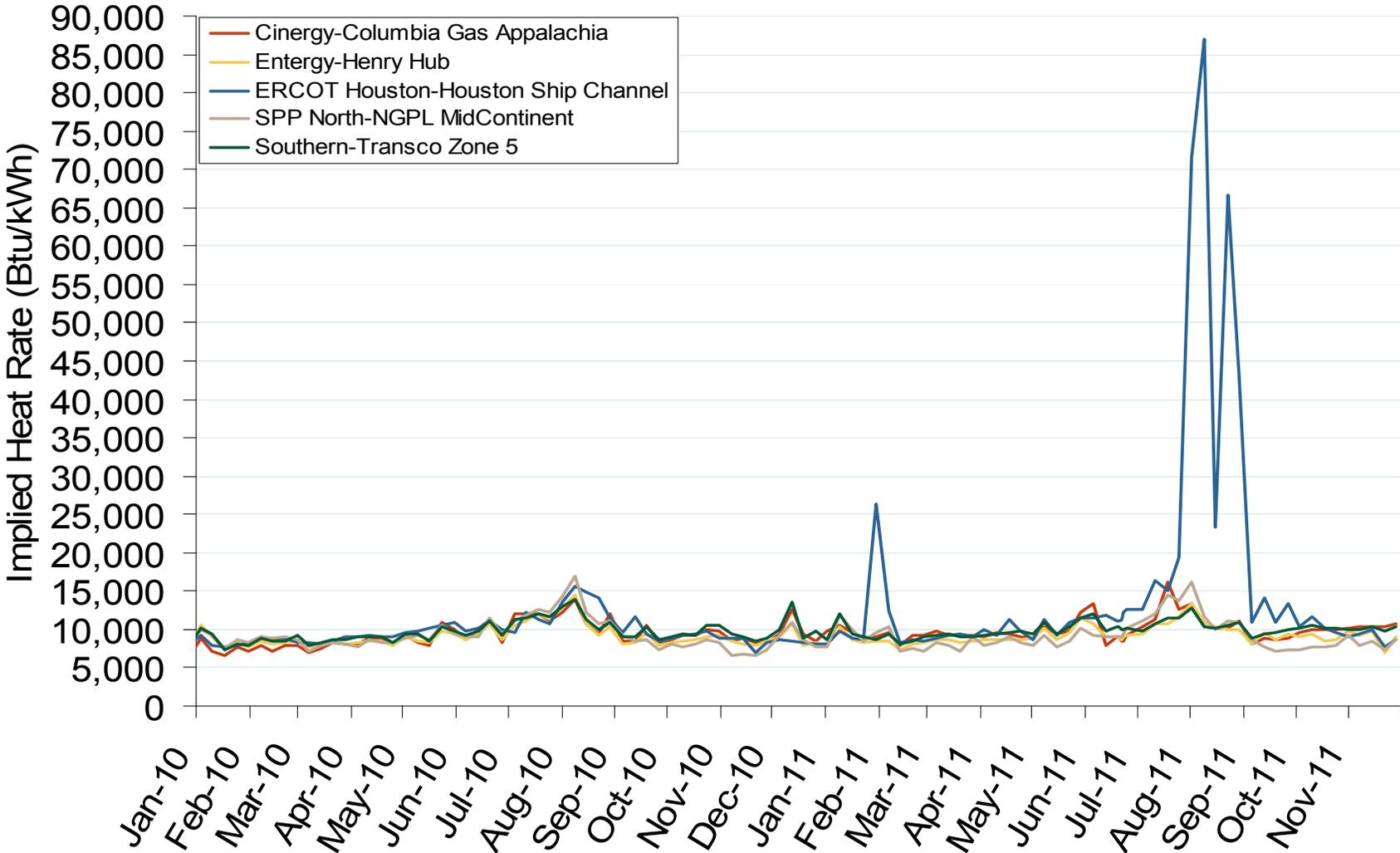
Implied Heat Rates at South Central Trading Points - Weekly Avgs.



Source: Derived from Platts on-peak electric and natural gas price data
December 2011 Southeastern Snapshot

Updated: December 05, 2011

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



Source: Derived from Platts on-peak electric and natural gas price data
December 2011 Southeastern Snapshot

Monthly Southeastern Hydroelectric Generation

