

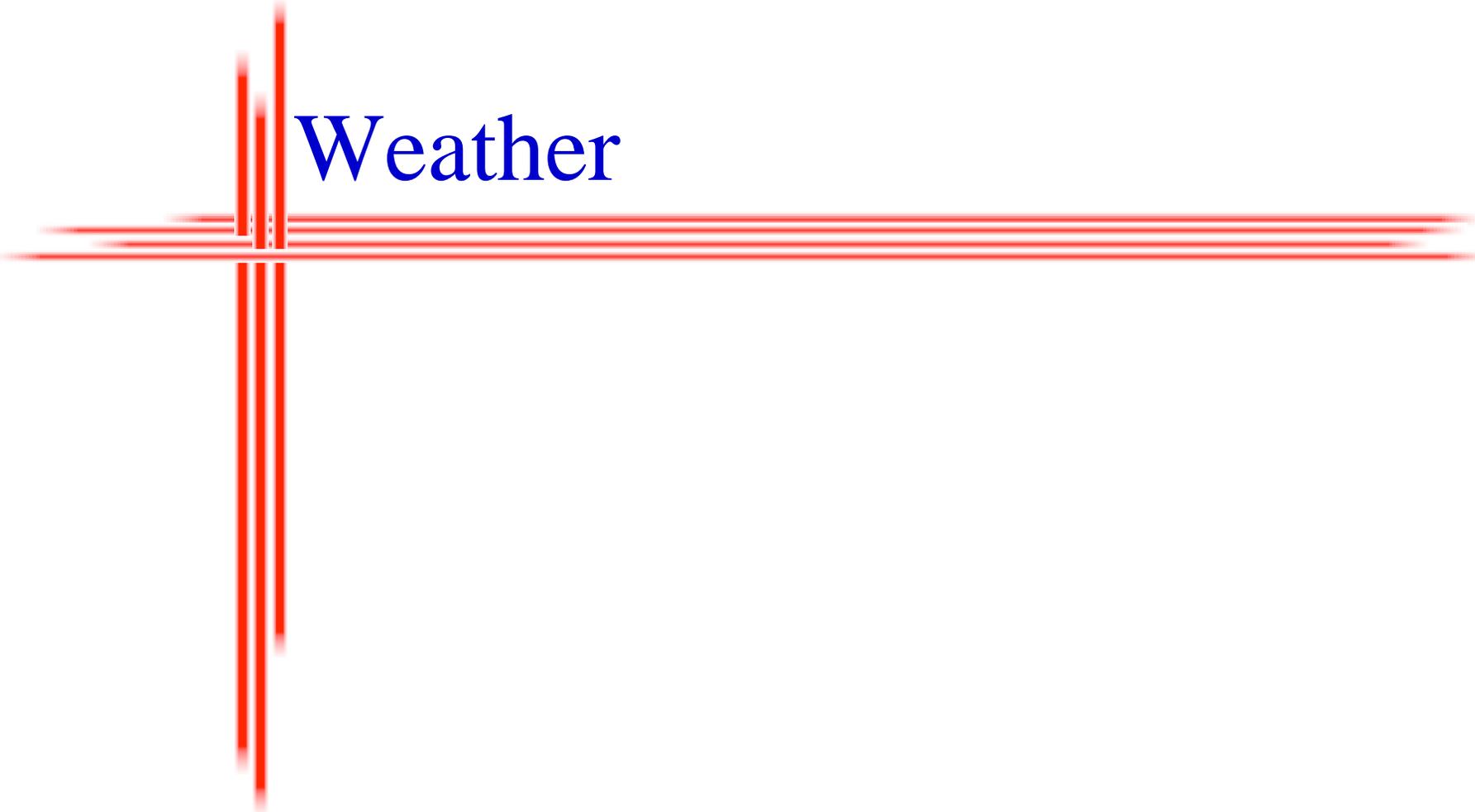
# OE ENERGY MARKET SNAPSHOT

## Southeast States Version – February 2011 Data

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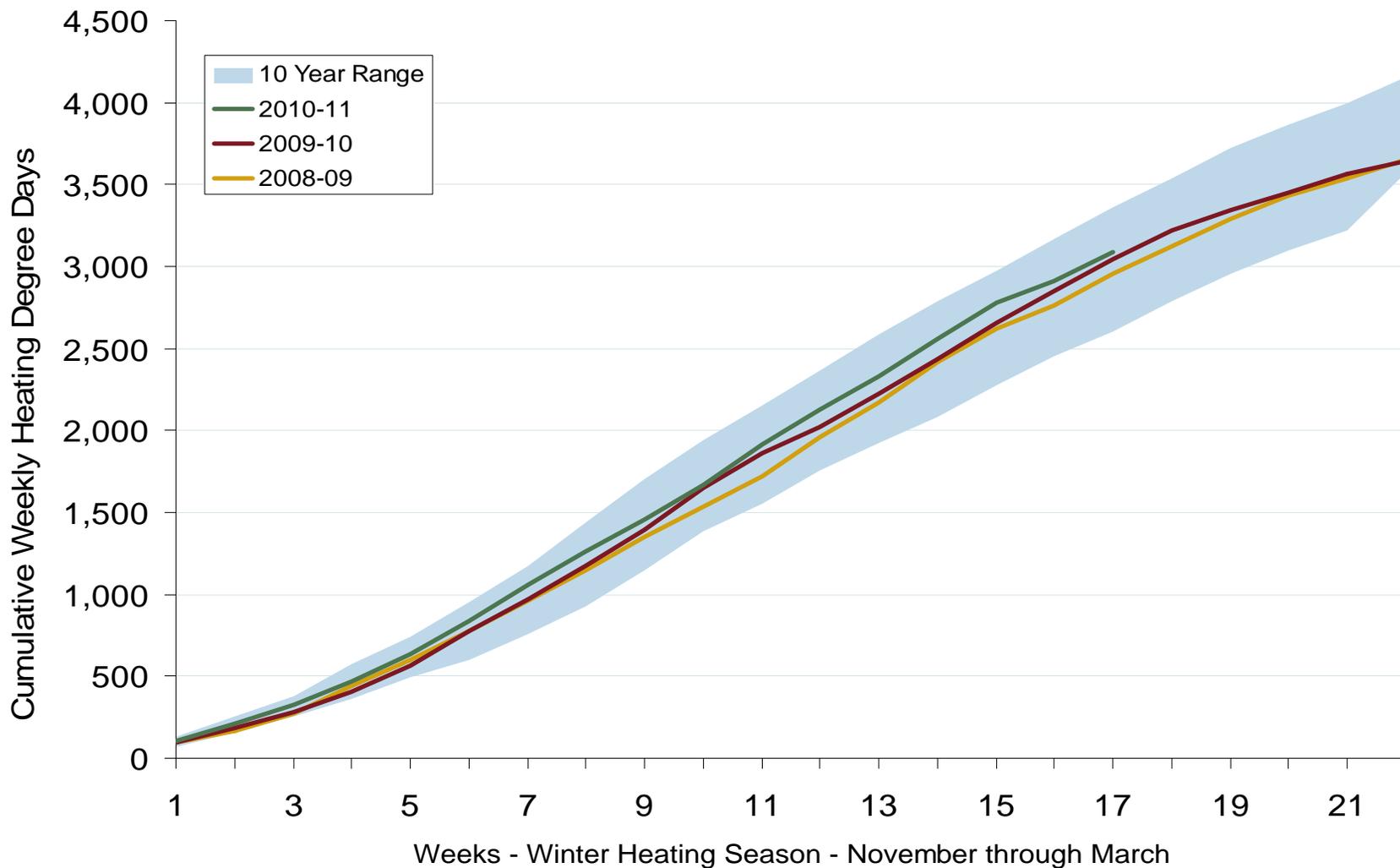
- **Weather**
- **Natural Gas and Fuel Markets**
- **Electricity Markets**

Office of Enforcement  
Federal Energy Regulatory Commission  
March 2011



# Weather

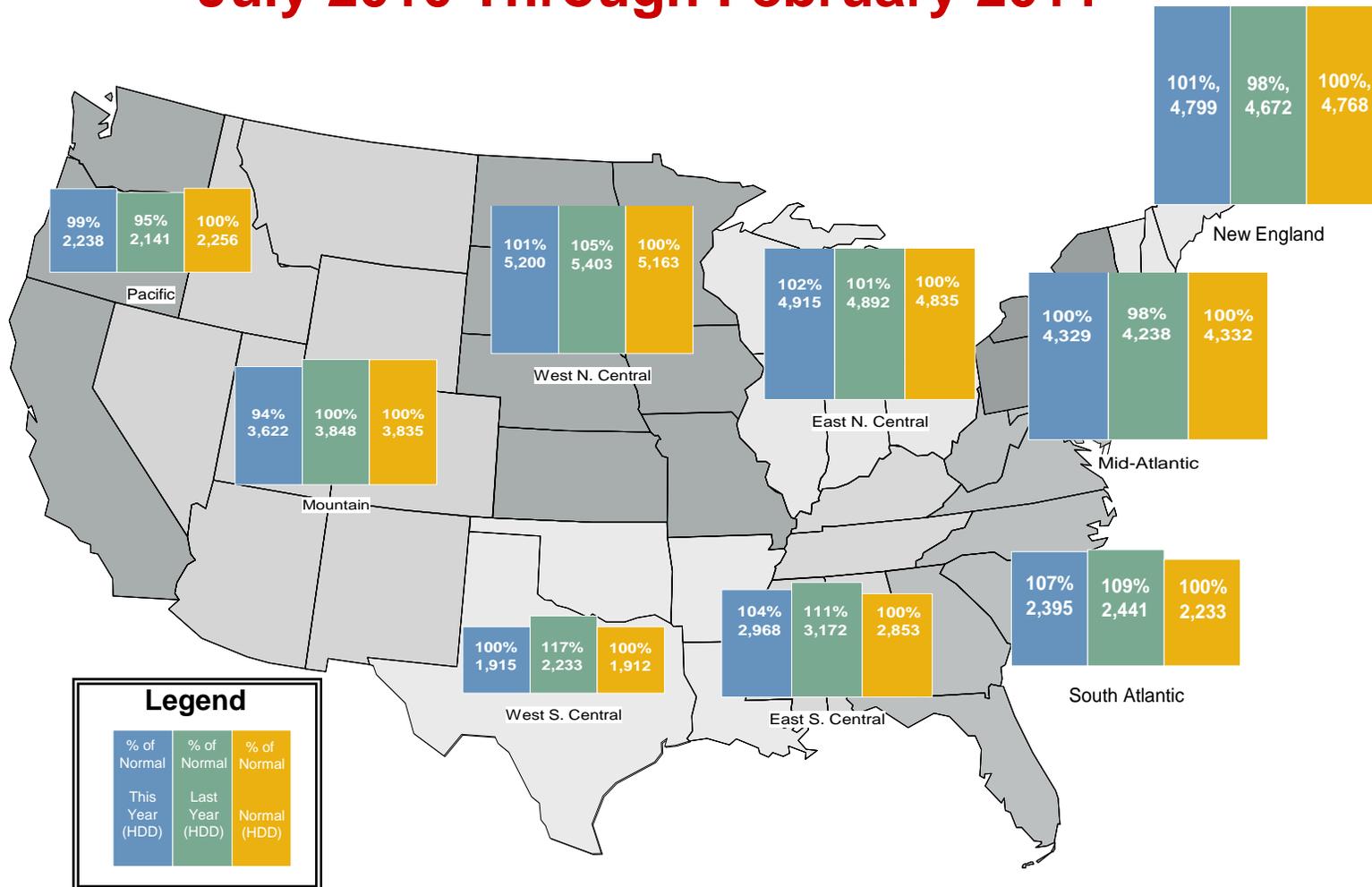
## U. S. Winter Cumulative Heating Degree Days



Source: Derived from NOAA data.  
March 2011 Southeast Snapshot Report

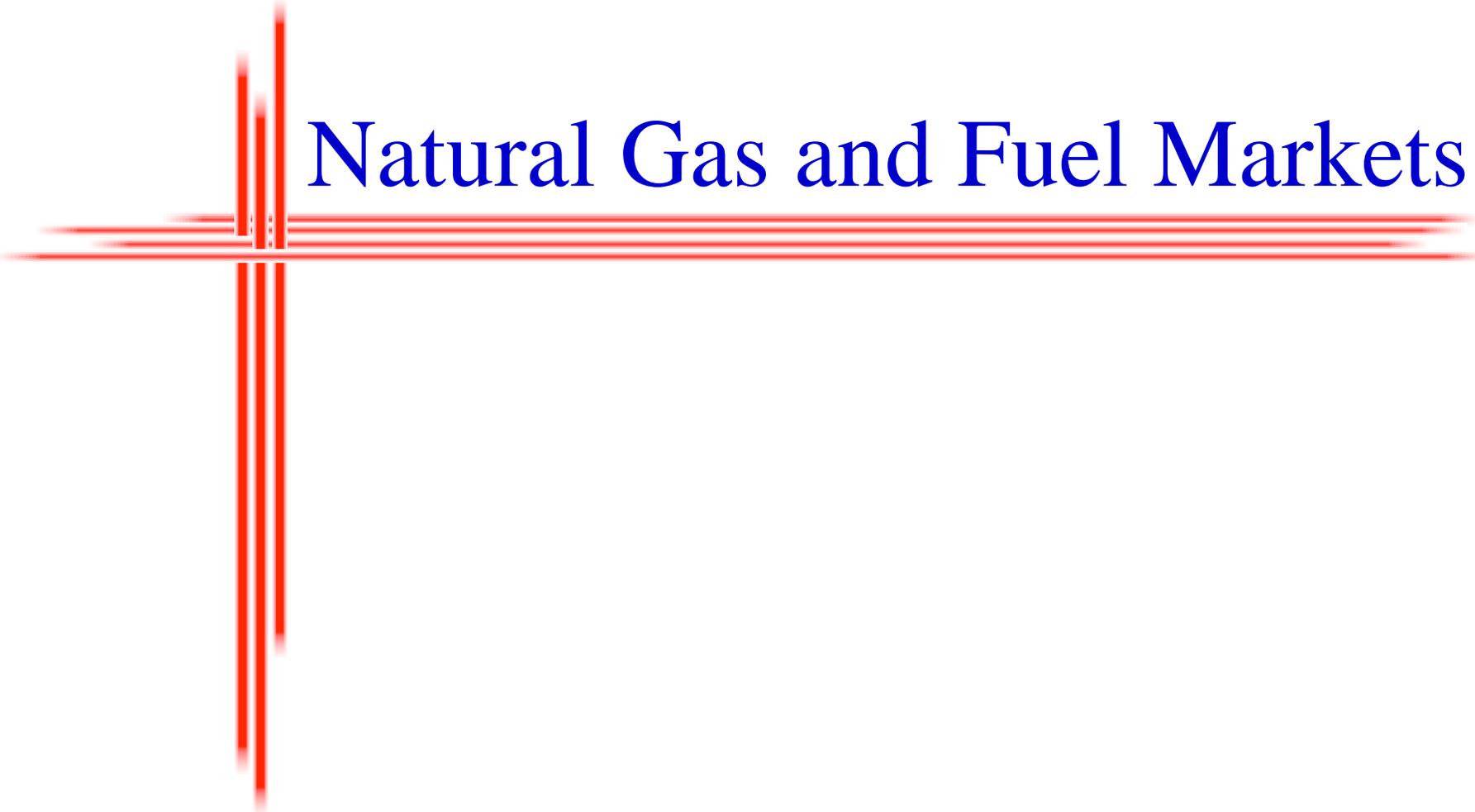
Updated: March 08, 2011

# Regional Heating Degree Days July 2010 Through February 2011



Source: Derived from NOAA data. Normal is based on a 30-year average of heating degree day data.  
March 2011 Southeast Snapshot Report

Updated: March 08, 2011

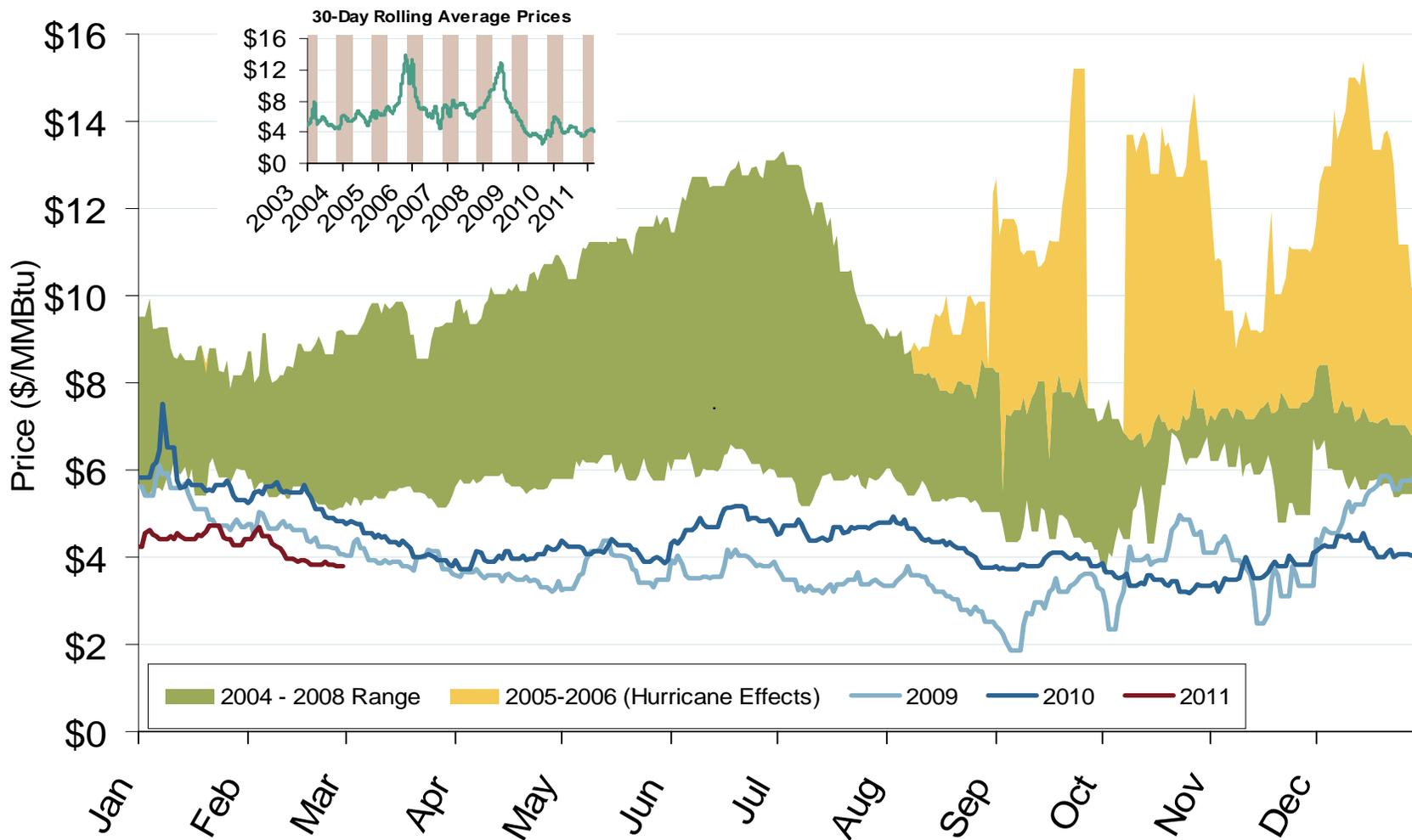


# Natural Gas and Fuel Markets

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

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

# Henry Hub Natural Gas Daily Spot Prices



Source: Derived from *Platts* data.

Updated: March 08, 2011

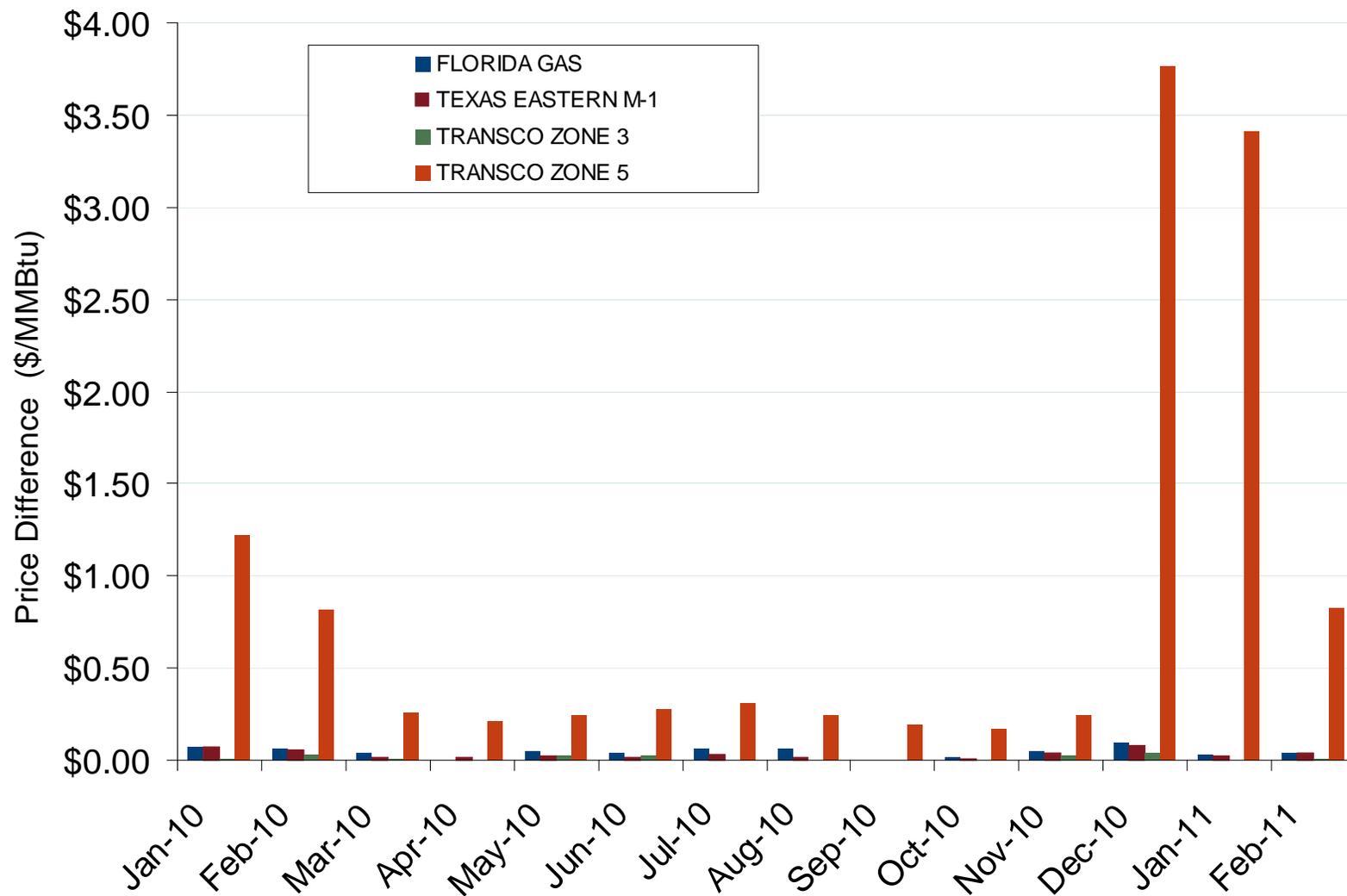
# Southeastern Day-Ahead Hub Spot Prices and Basis



Source: Derived from *Platts* data.

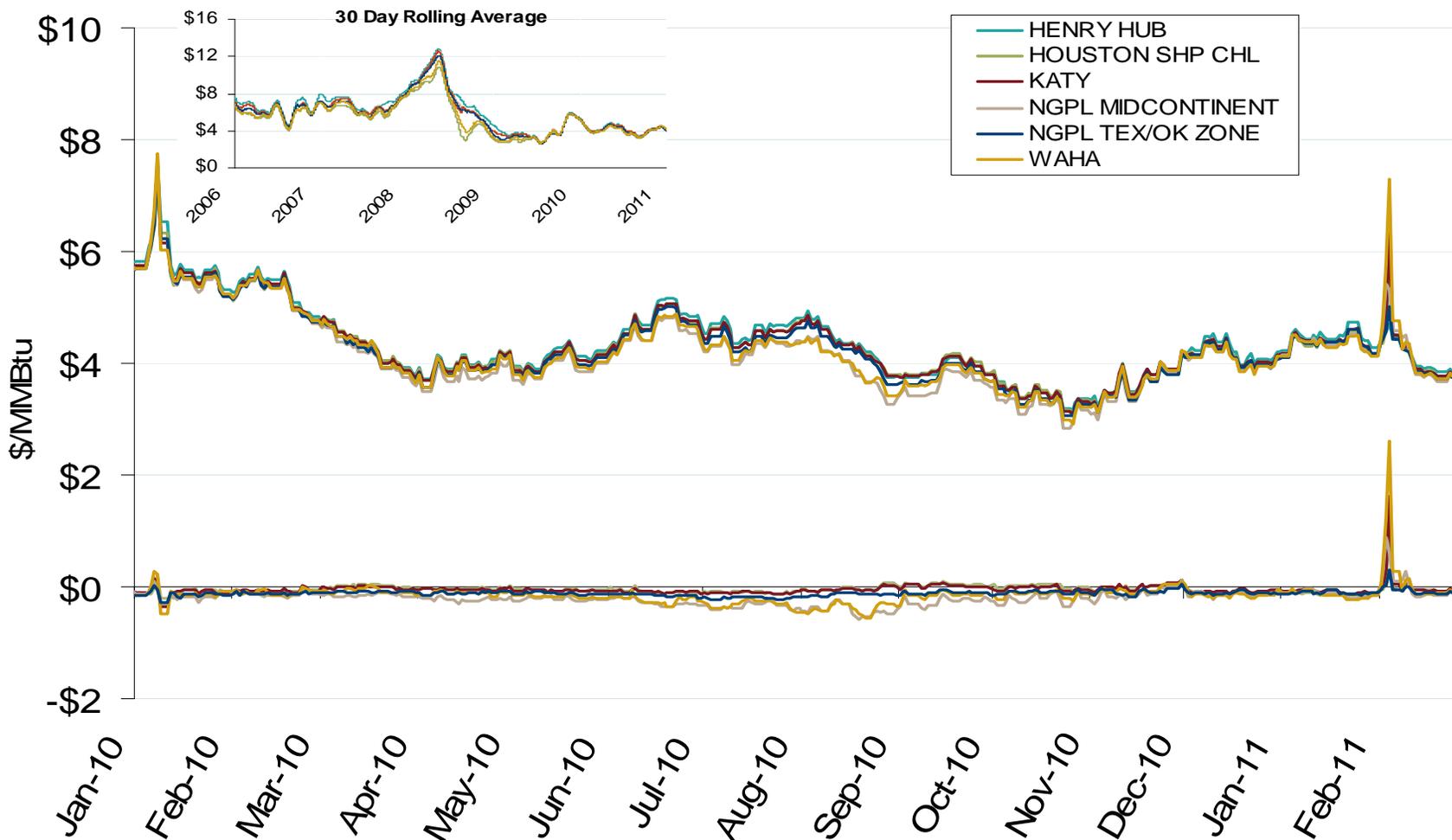
Updated: March 08, 2011

## Southeastern Monthly Average Basis Value to Henry Hub



Source: Derived from *Platts* data.  
 March 2011 Southeast Snapshot Report

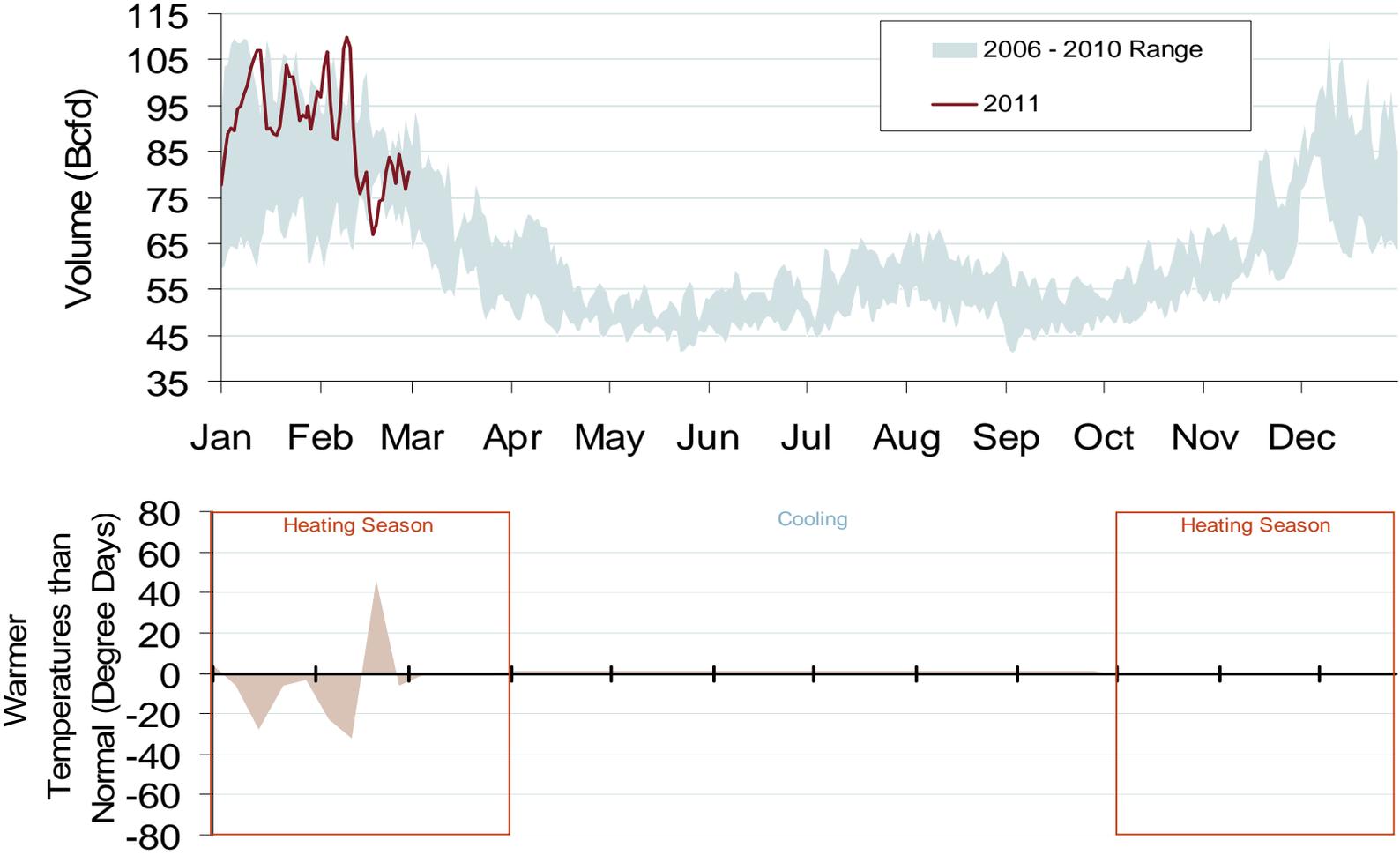
## Gulf Day-Ahead Hub Spot Prices and Basis



Source: Derived from *Platts* data.

Updated: March 08, 2011

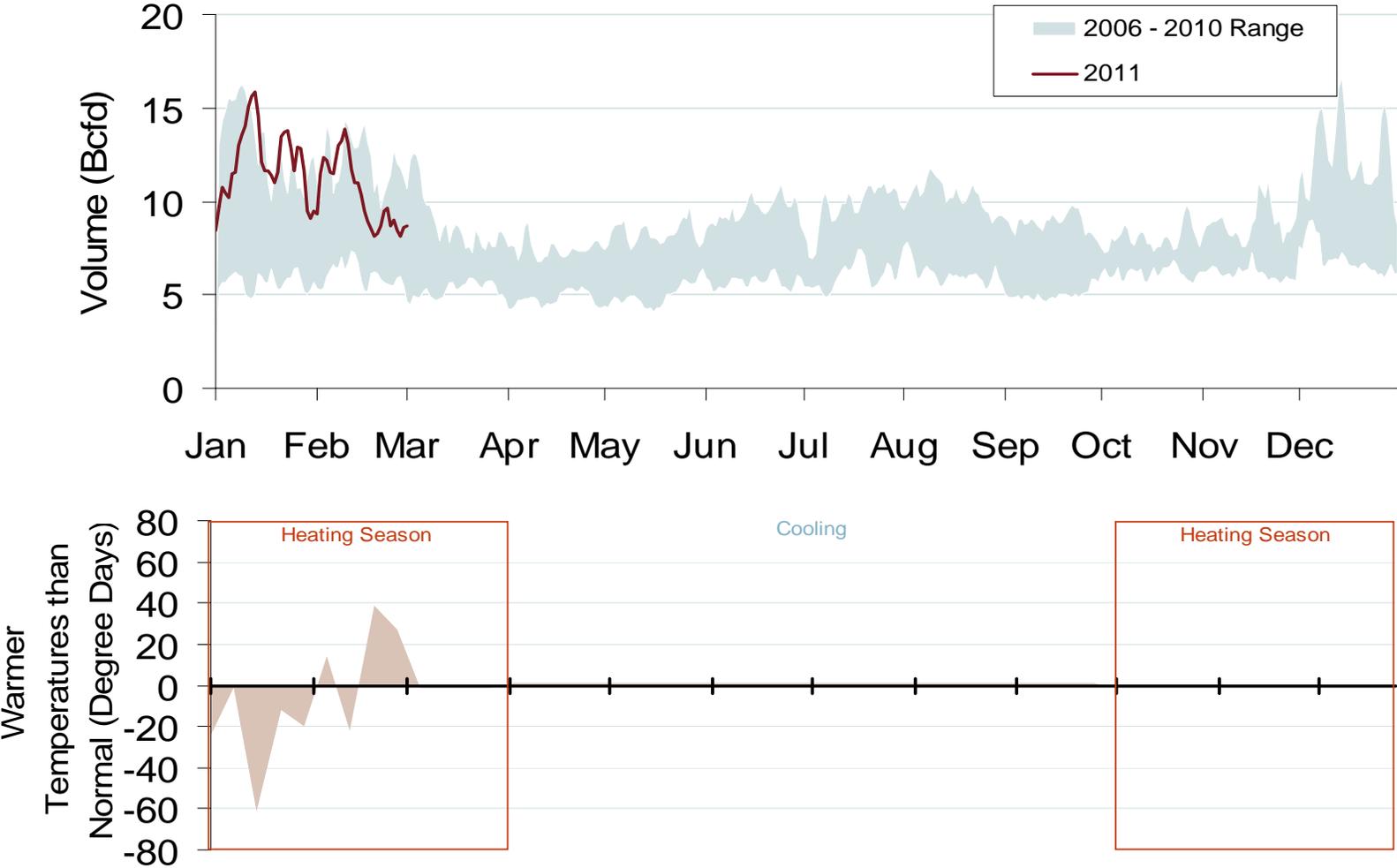
# Total U.S. Natural Gas Demand (All Sectors) and Temperatures



Source: Derived from *Bentek Energy* and *Weekly NOAA* data.

Updated: March 08, 2011

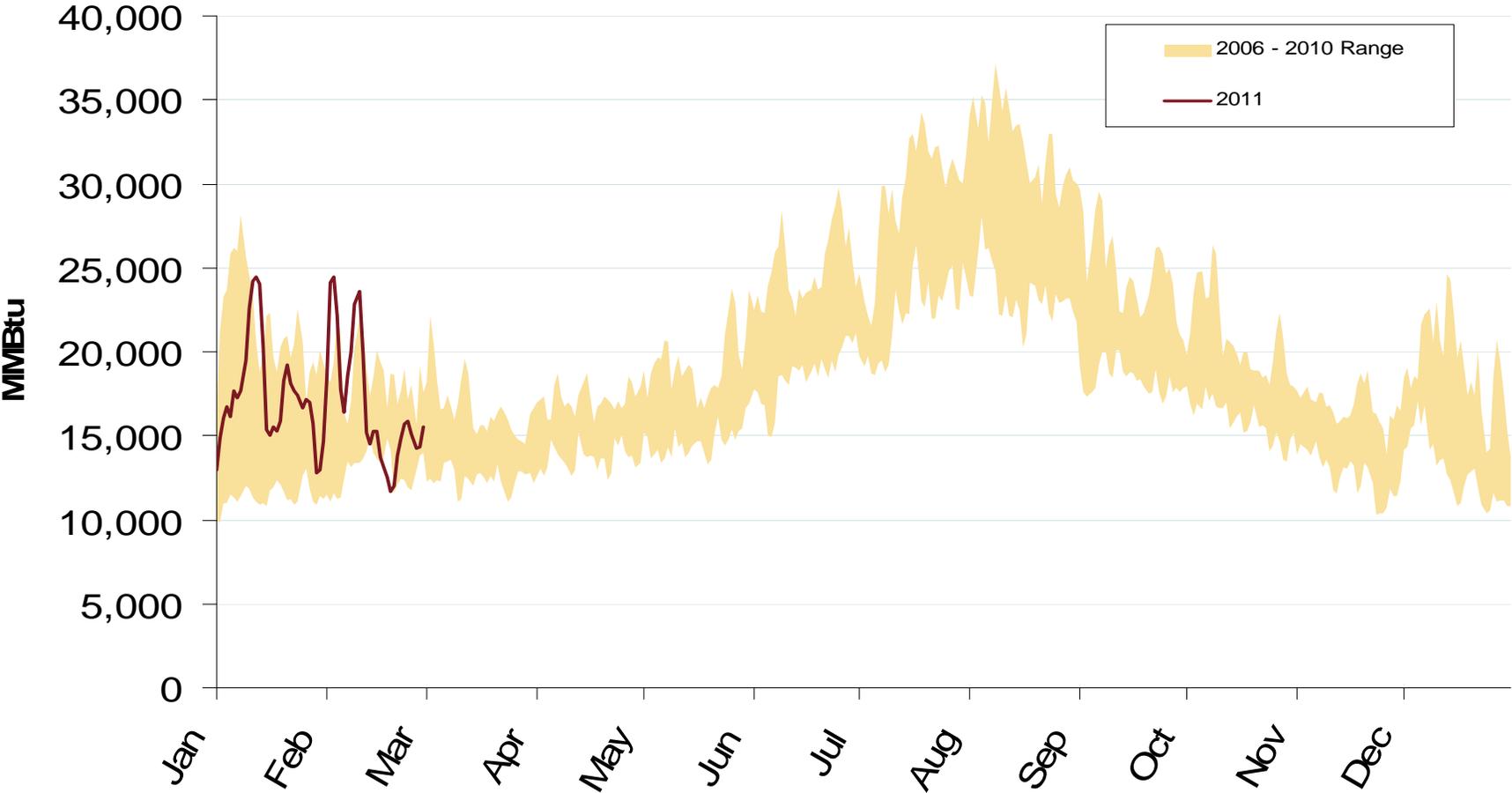
# Daily Southeast Natural Gas Demand - All Sectors



Source: Derived from *Bentek Energy* and *Weekly NOAA* data.

Updated: March 08, 2011

# U.S. Natural Gas Consumption for Power Generation



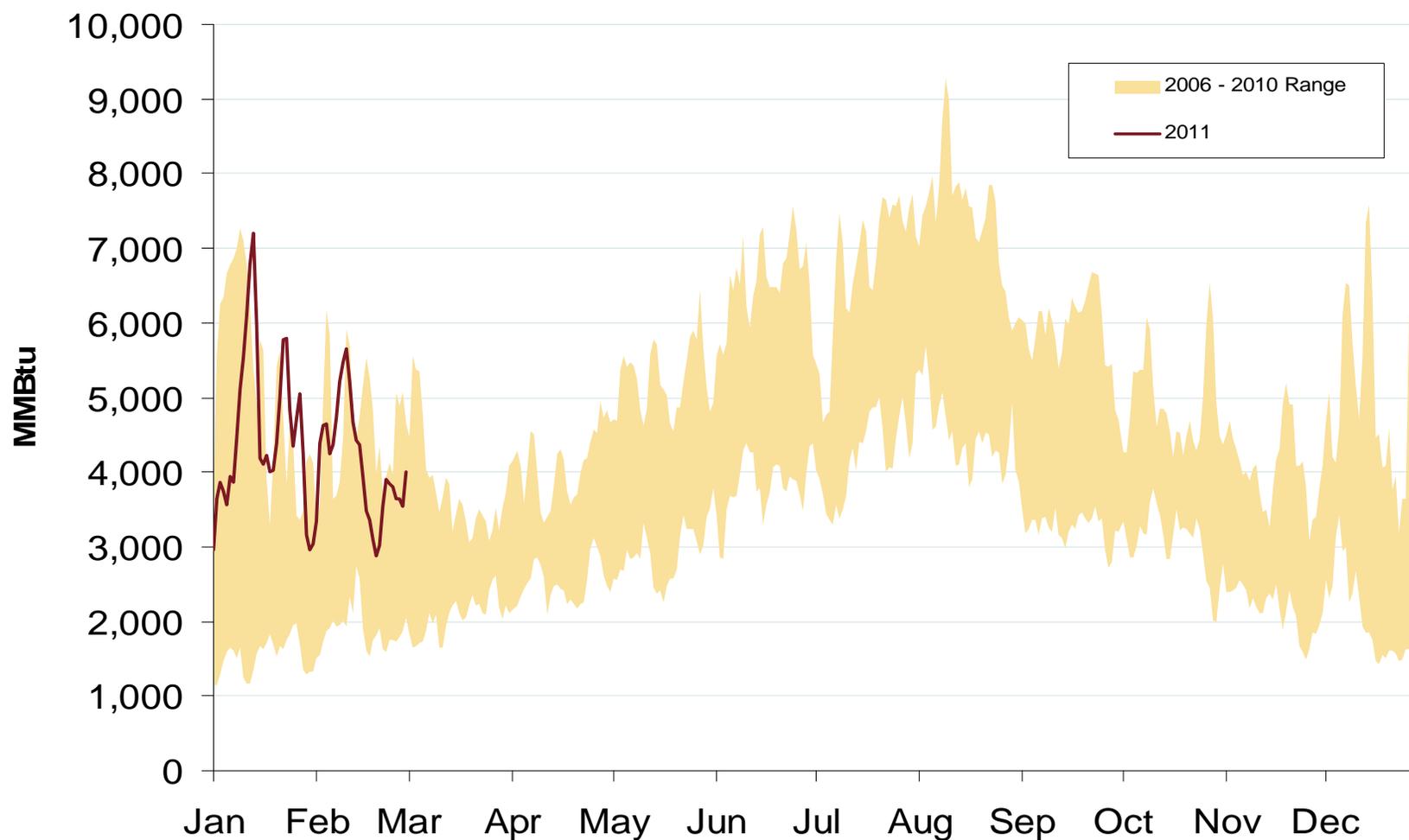
Source: Derived from *Bentek Energy* data.

Updated: March 08, 2011

## Southeast Natural Gas Market: NG Consumption for Power Generation

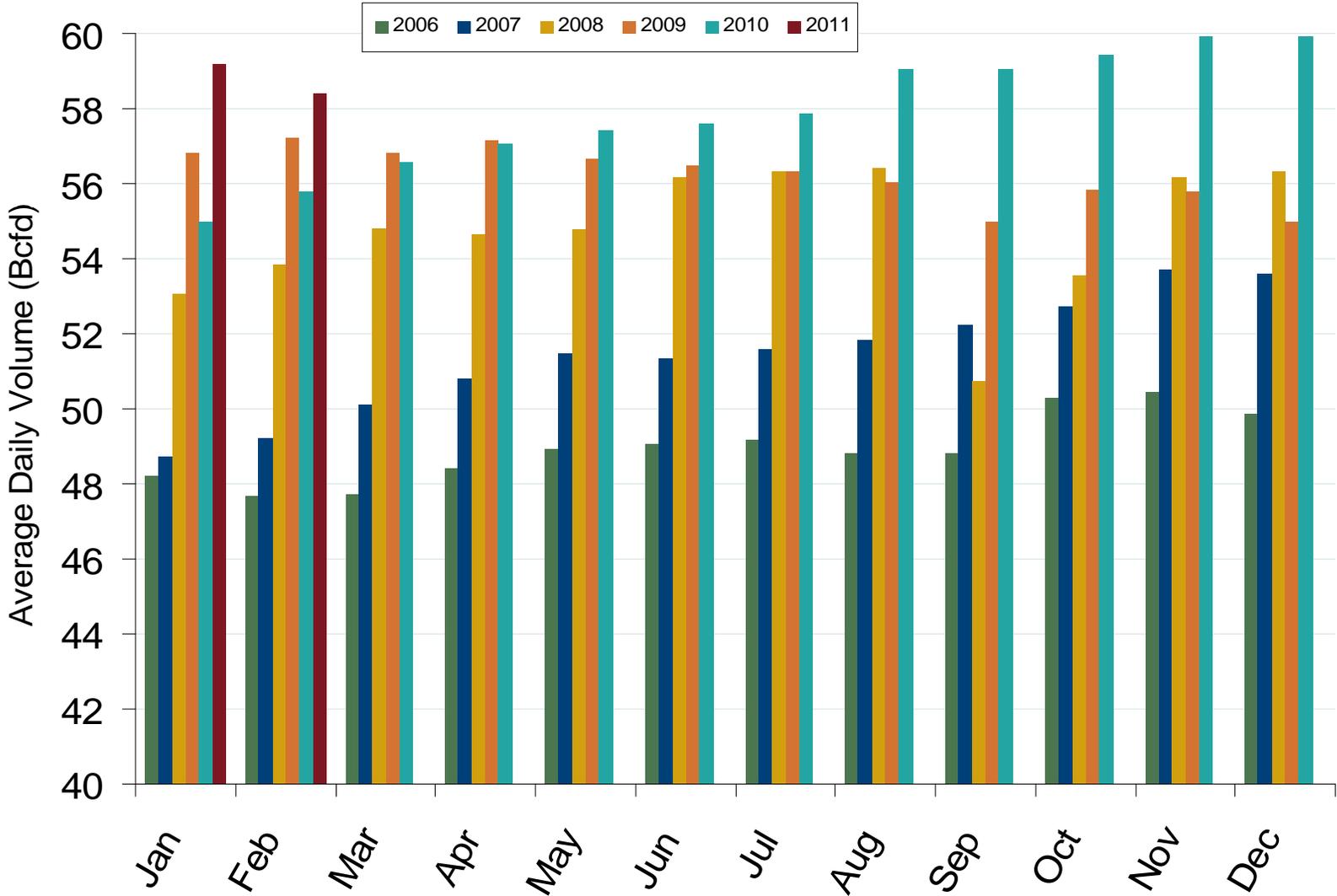
Federal Energy Regulatory Commission • Market Oversight • [www.ferc.gov/oversight](http://www.ferc.gov/oversight)

## Southeast Natural Gas Consumption for Power Generation

Source: Derived from *Bentek Energy* data.

Updated: March 08, 2011

# U.S. Dry Gas Production



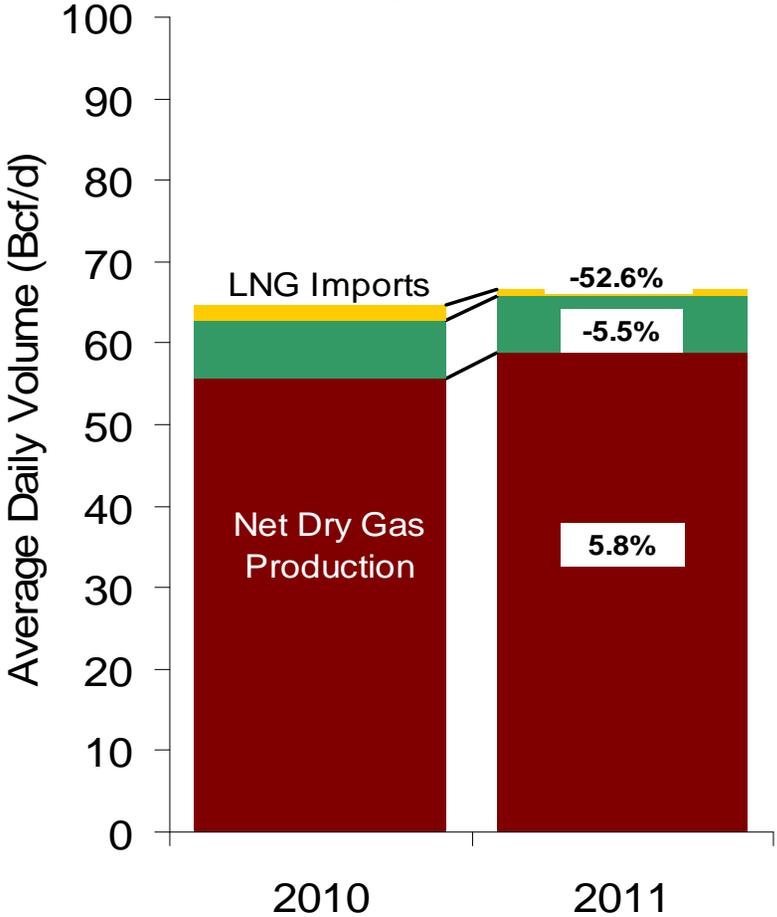
Source: Derived from EIA and Bentek data.  
March 2011 Southeast Snapshot Report

Updated: March 08, 2011

# U.S. Natural Gas Supply and Demand 2010 vs. 2011: February

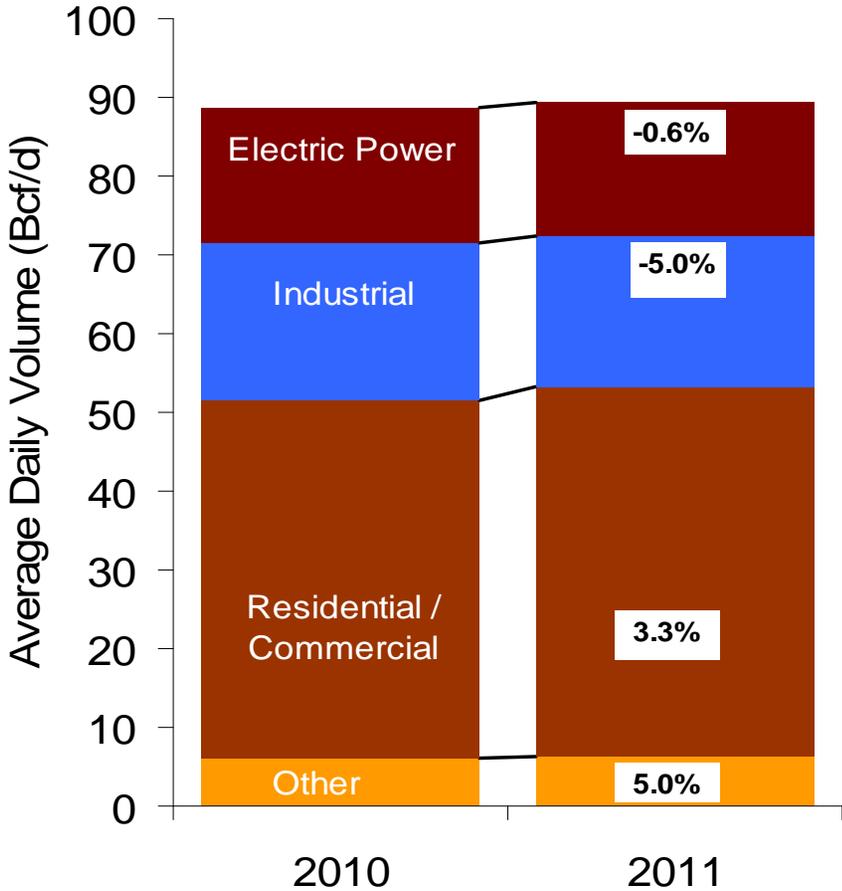
### US Natural Gas Supply

Total Change in Supply 2.9%



### US Natural Gas Demand

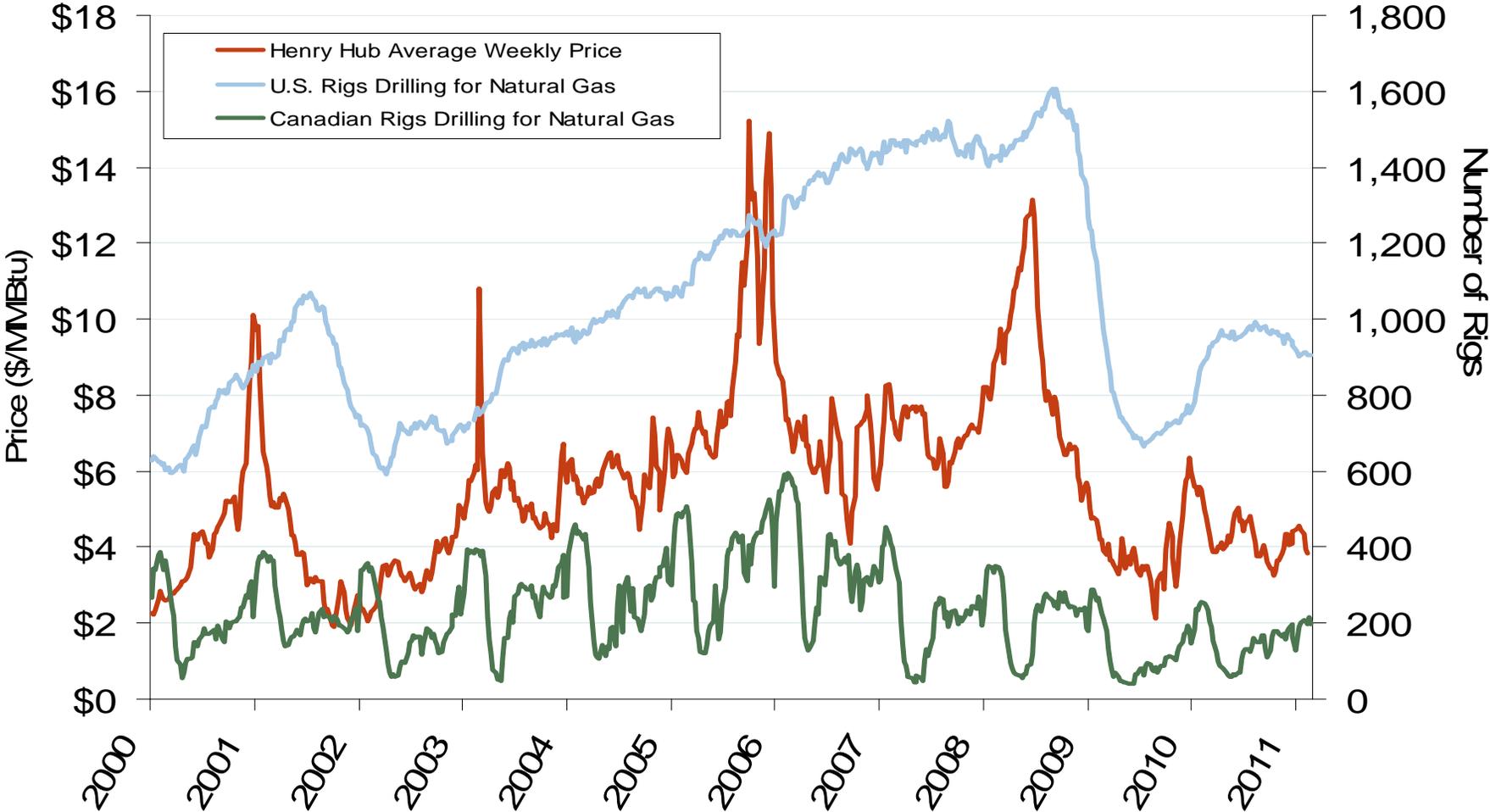
Total Change in Demand 4.5%



Source: Derived from Bentek data.  
March 2011 Southeast Snapshot Report

Updated: March 08, 2011

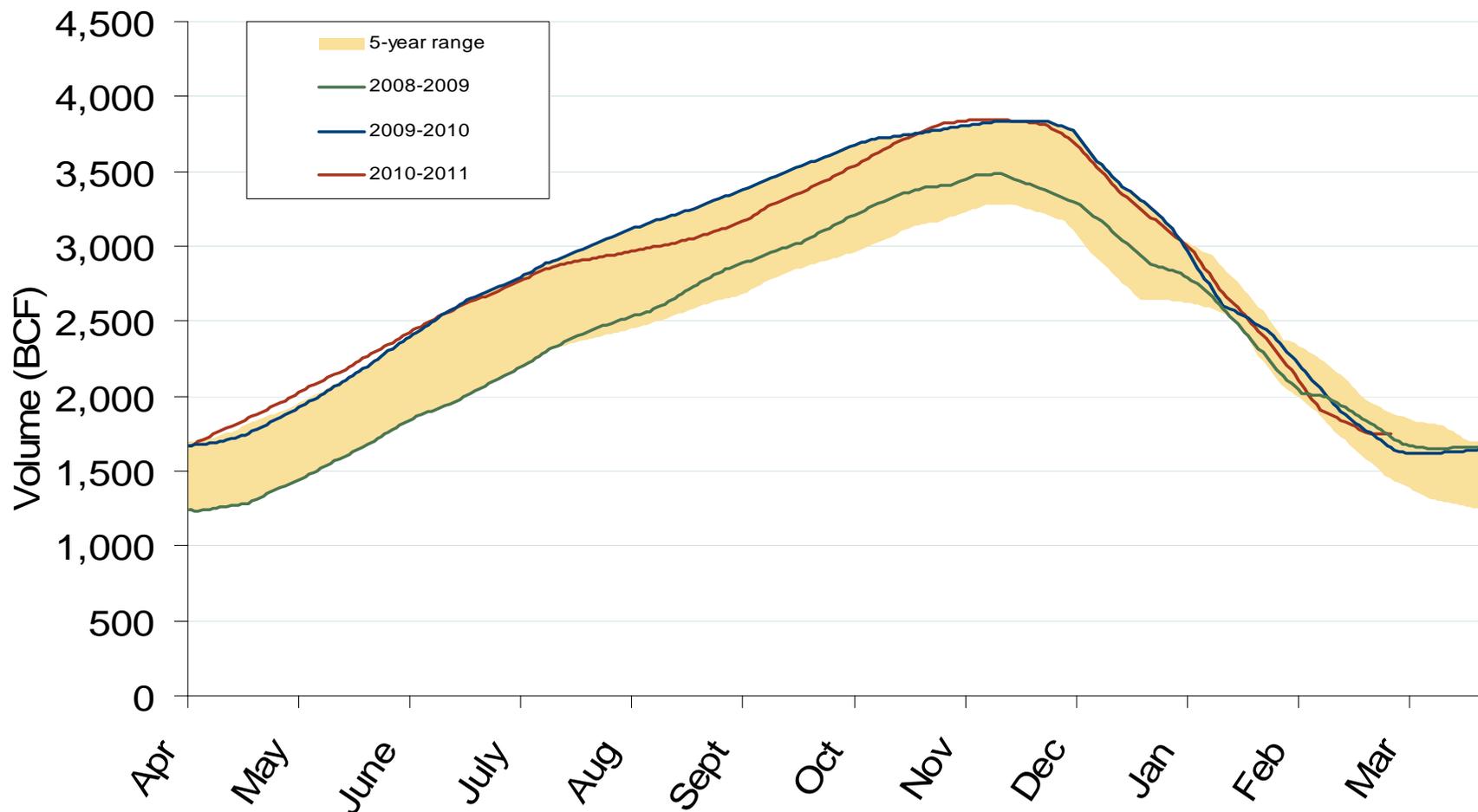
# U.S. and Canadian Natural Gas Drilling Rig Count and Daily Spot Prices



Source: Derived from *Platts* and *Baker Hughes* data.

Updated: March 08, 2011

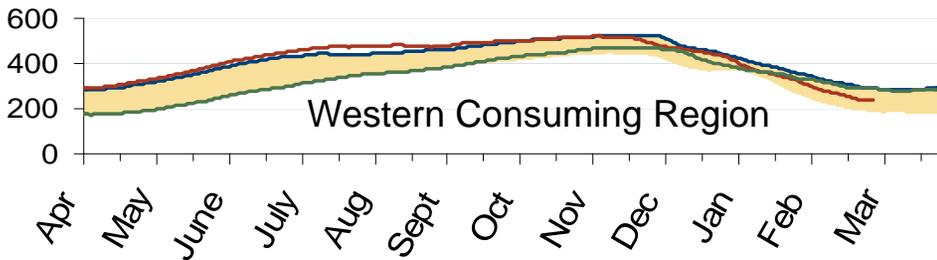
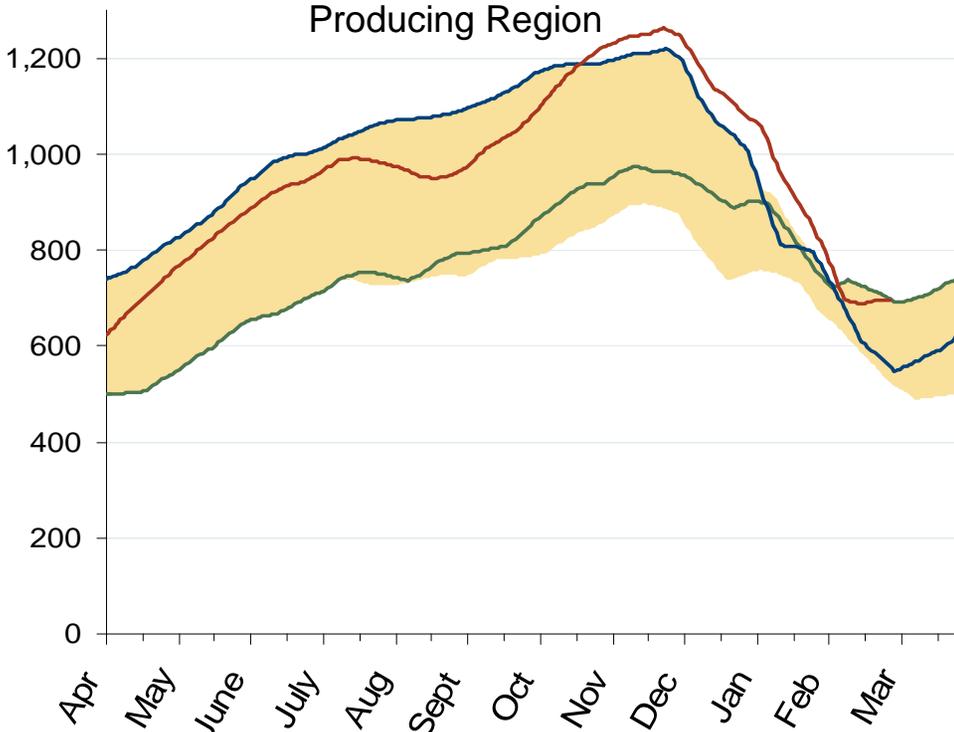
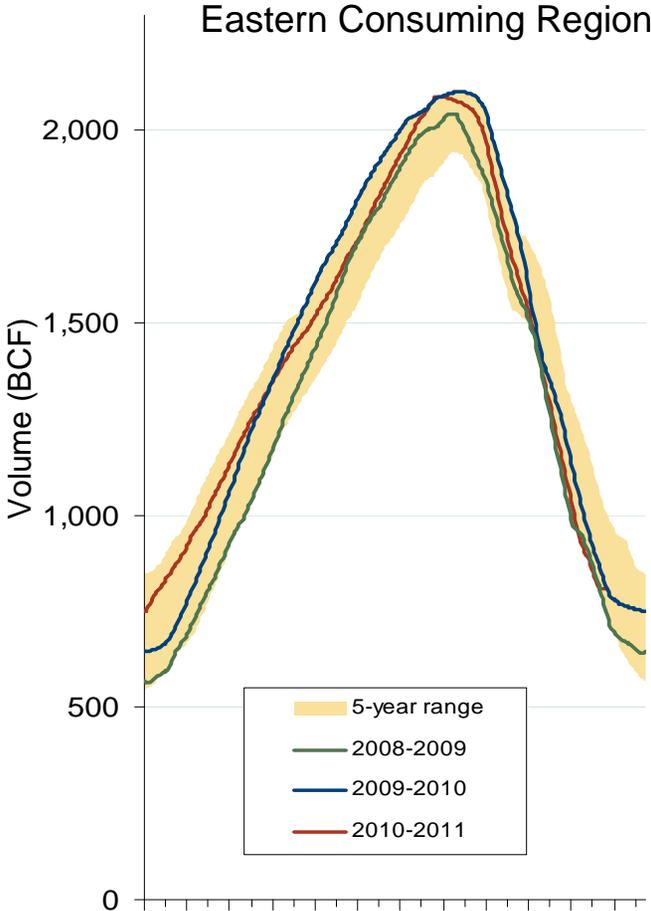
## Total U.S. Working Gas in Storage



Source: Derived from EIA data.  
March 2011 Southeast Snapshot Report

Updated: March 08, 2011

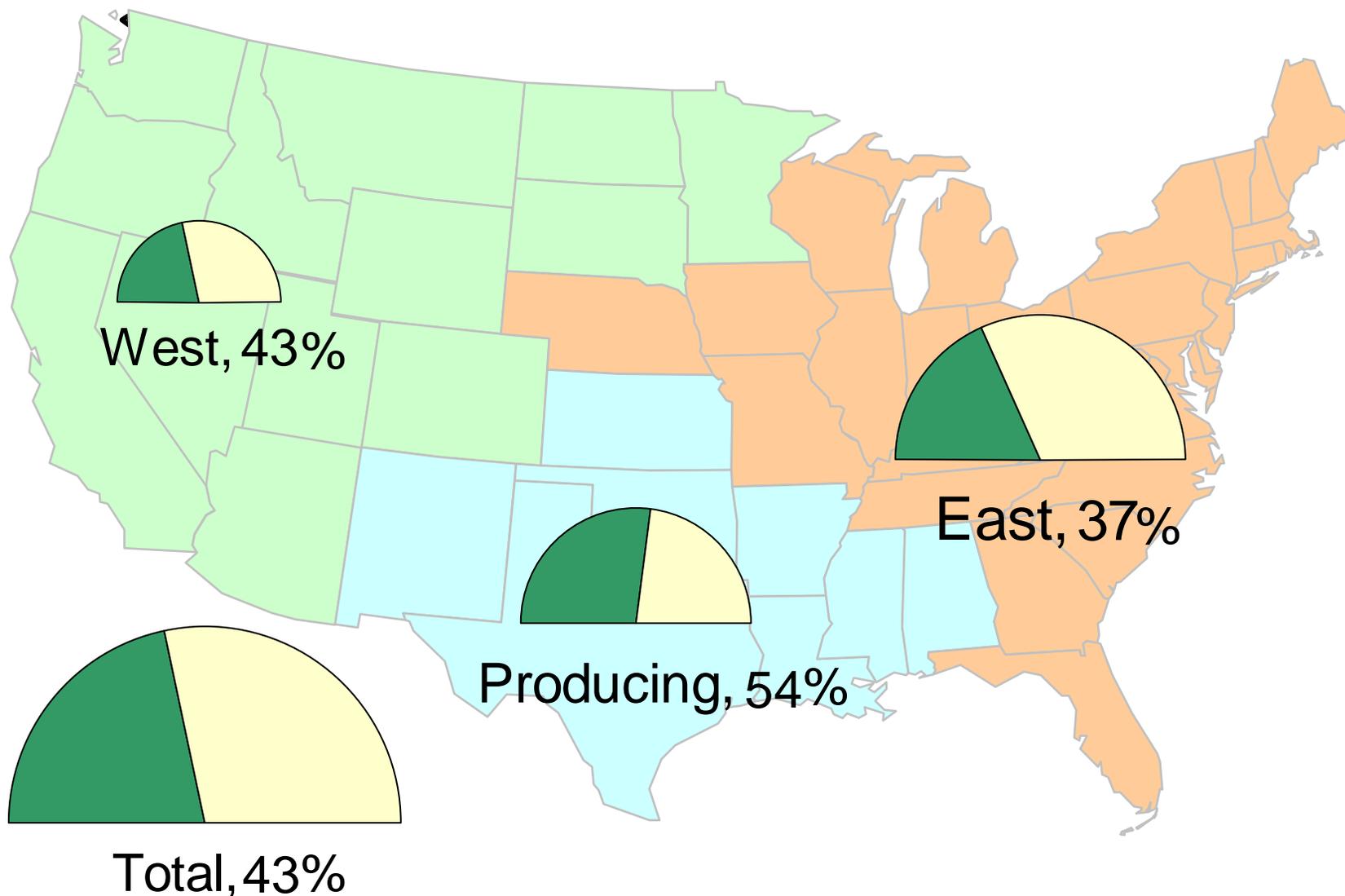
# Regional Totals of Working Gas in Storage



Source: Derived from EIA data.  
March 2011 Southeast Snapshot Report

Updated: March 08, 2011

## Natural Gas Storage Inventories – February 25, 2011

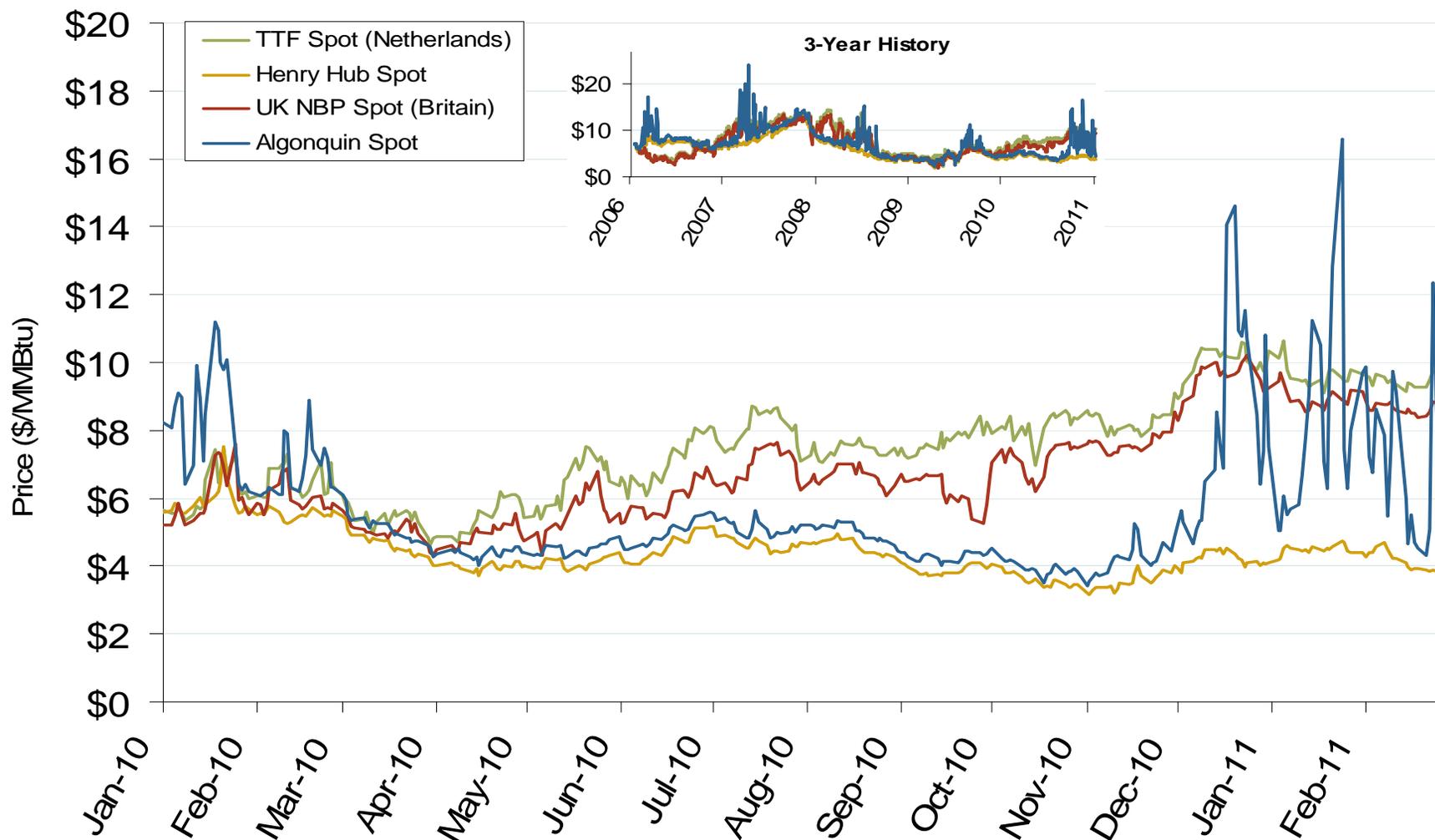


Source: Derived from *EIA Storage and Estimated Working Gas Capacity* data.

Updated: March 08, 2011

March 2011 Southeast Snapshot Report

## Atlantic Basin European and US Spot Natural Gas Prices



Source: Derived from *Bloomberg and ICE data*.

Updated: March 08, 2011

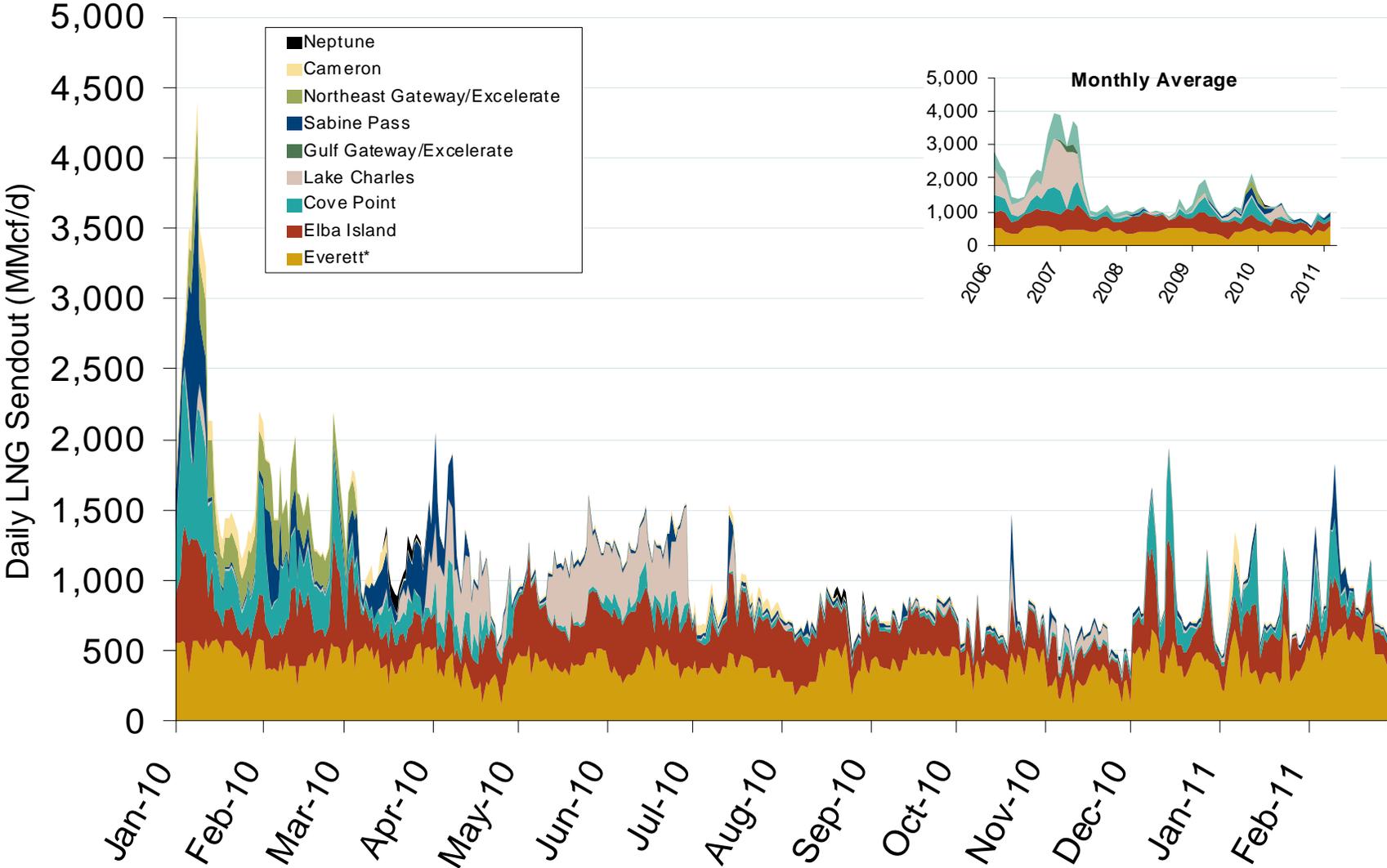
# World LNG Estimated April 2011 Landed Prices



Source: *Waterborne Energy, Inc.* Data in \$US/MMBtu.  
March 2011 Southeast Snapshot Report

Updated: March 08, 2011

# Daily Gas Sendout from Existing U.S. LNG Facilities

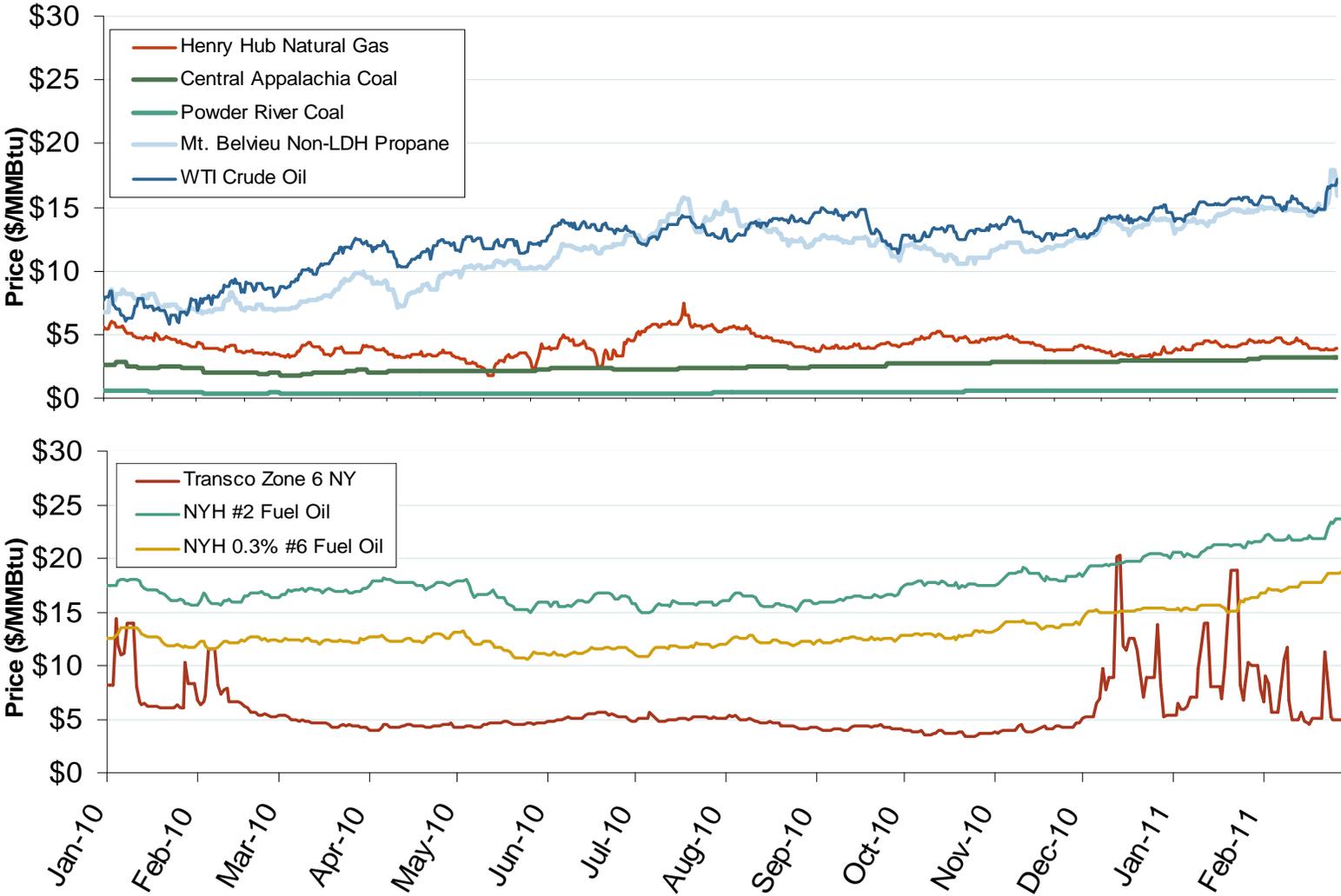


Source: Derived from Bentek data.

\* 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.

Updated: March 08, 2011

# Oil, Coal, Natural Gas and Propane Daily Spot Prices

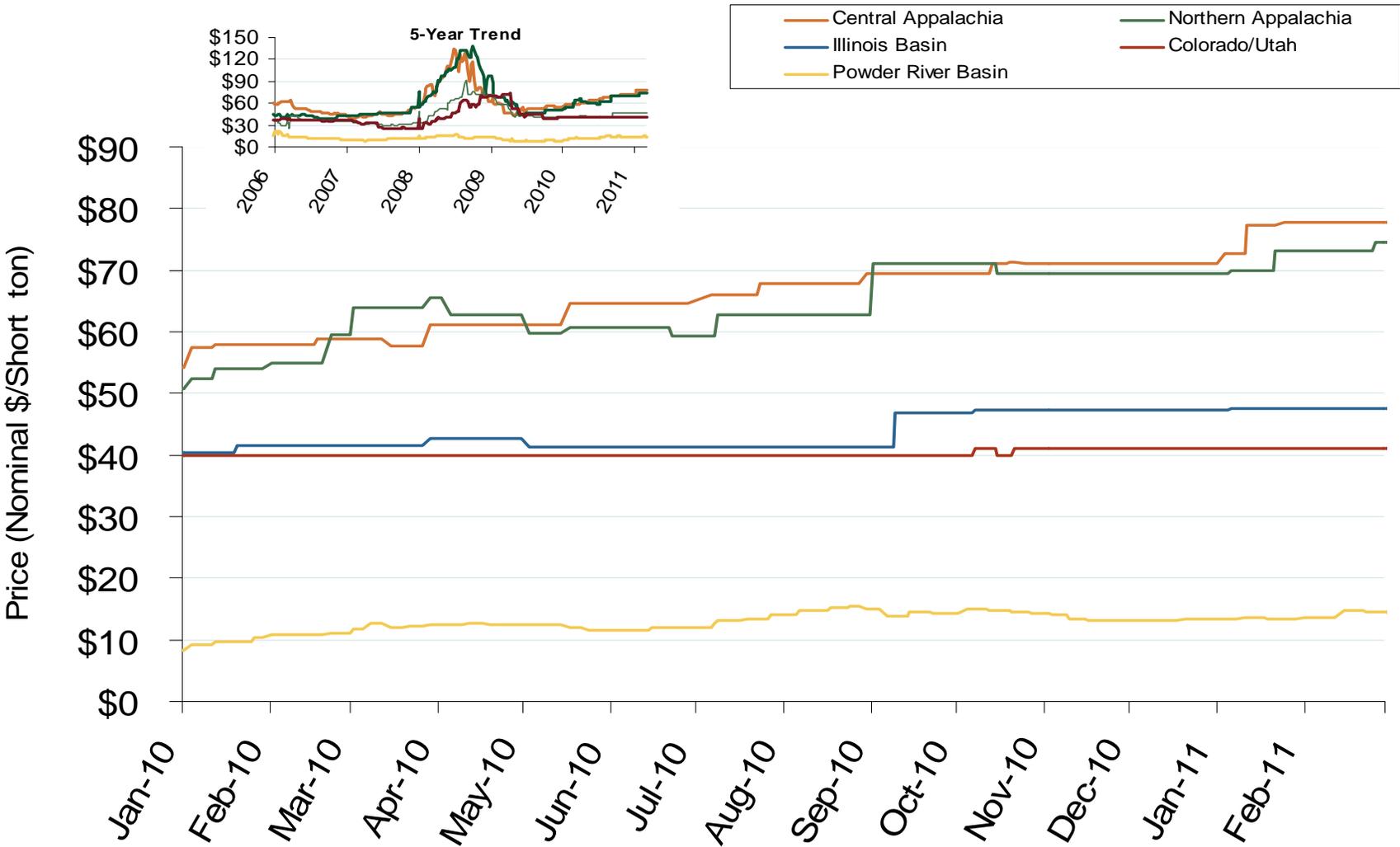


Source: Derived from ICE and Bloomberg data.

Note: 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.

Updated: March 08, 2011

# Regional Coal Spot Prices

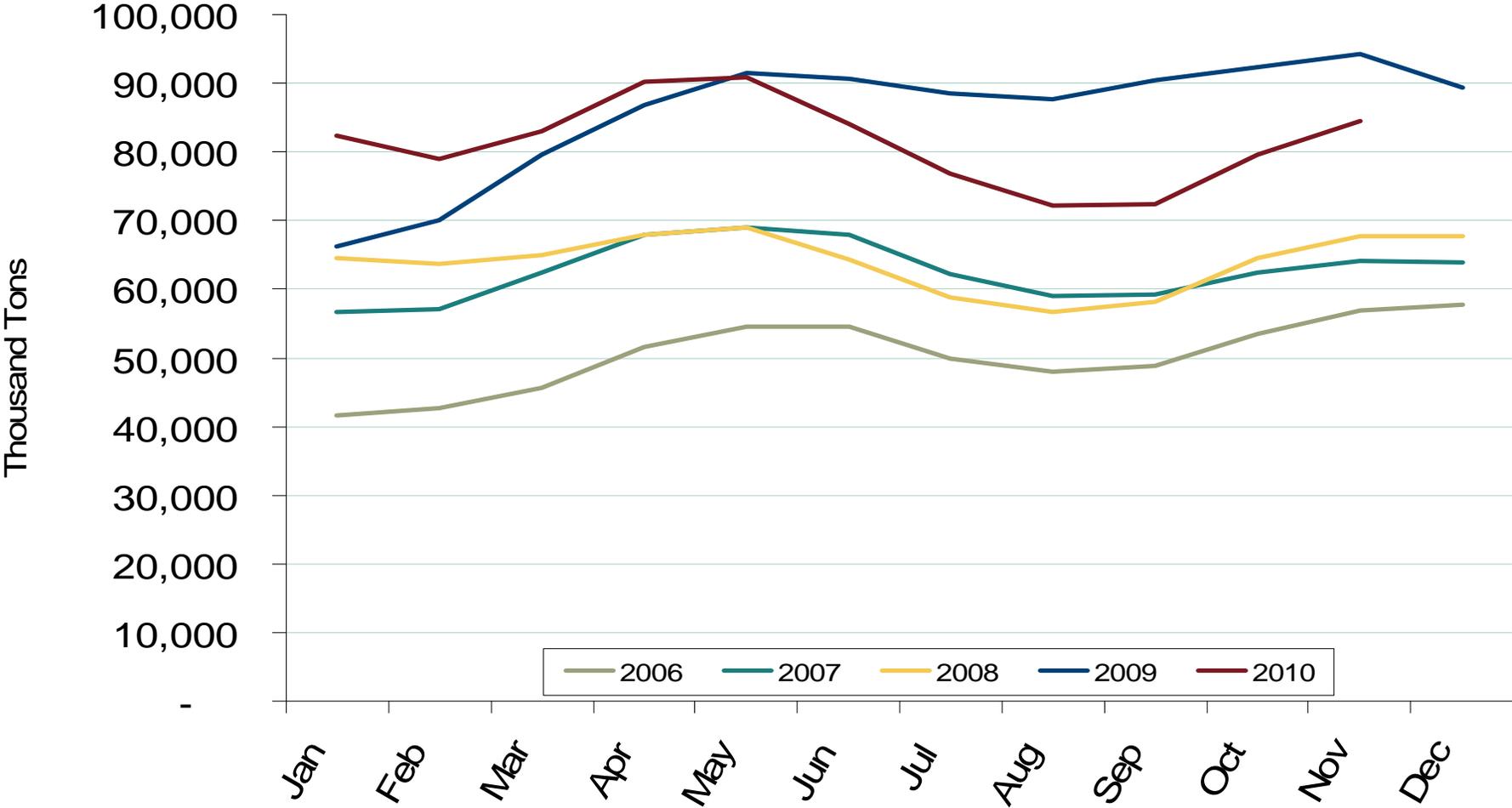


Note: the Central Appalachian (CAPP) coal is priced at Big Sandy. All others are mine mouth prices. Prices do not include transportation costs to a plant, as those can vary widely by contract specifications. Prices exclude incremental cost of emissions allowances.

Source: Derived from *Bloomberg* data.  
March 2011 Southeast Snapshot Report

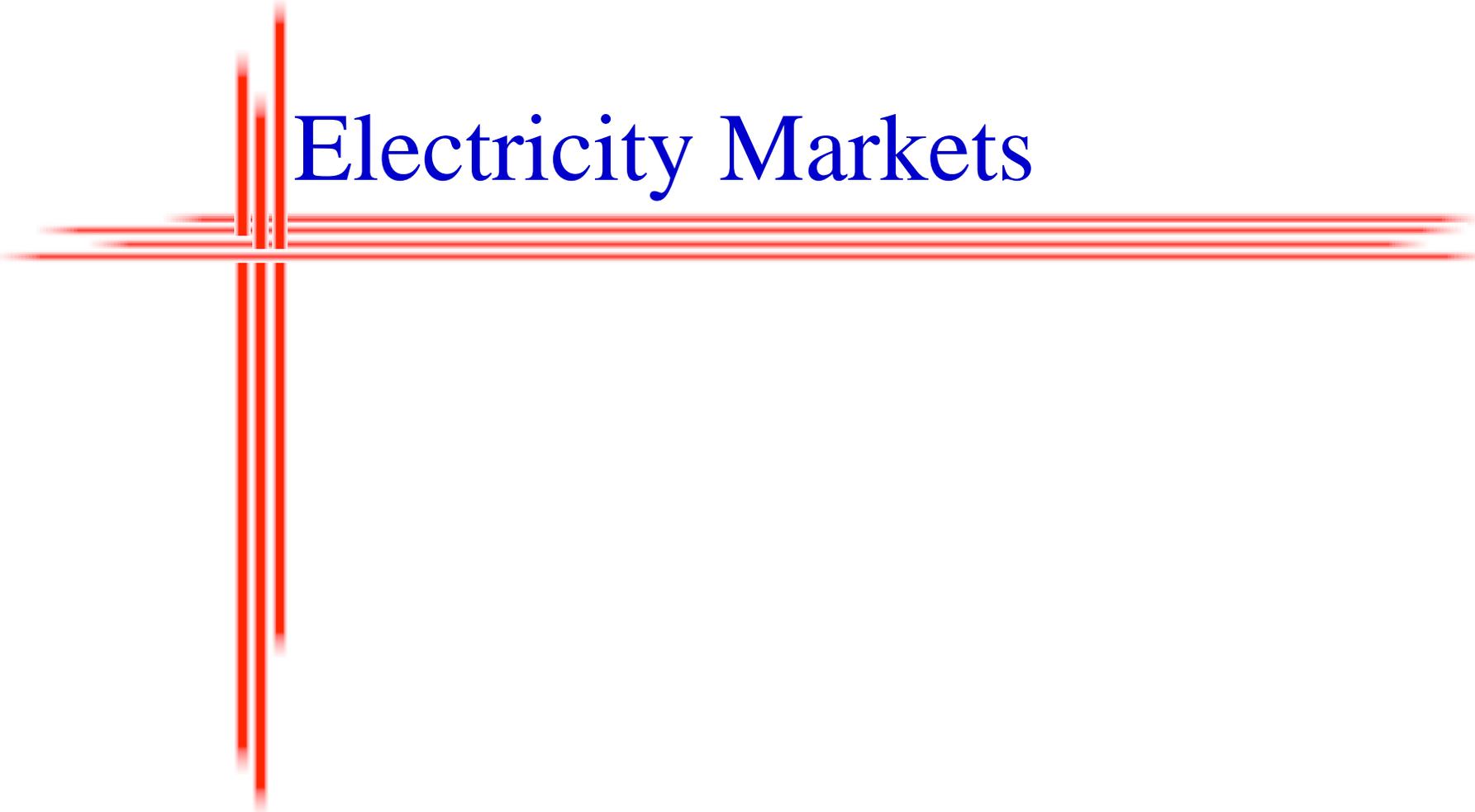
Updated: March 08, 2011

# Southeast Coal Stockpiles at Electric Power Generating Facilities



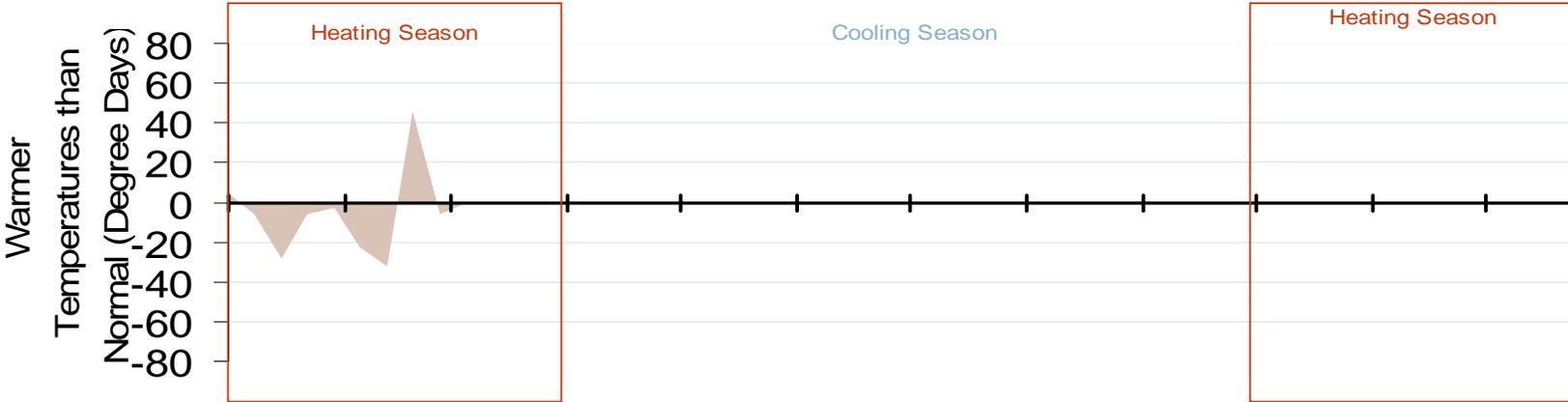
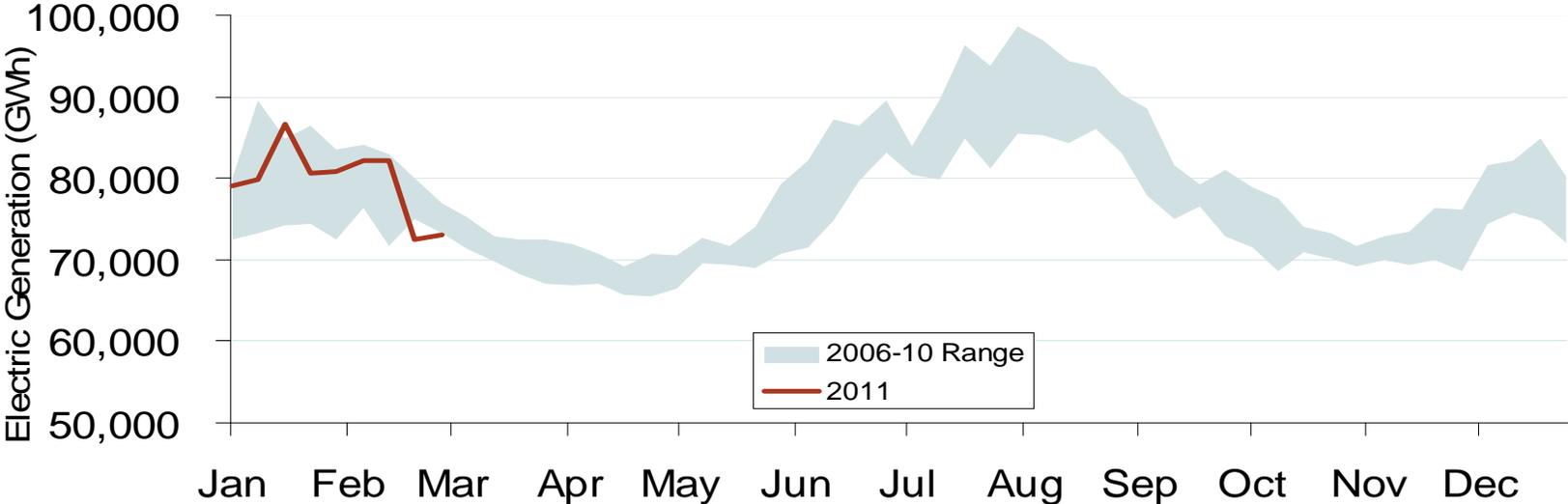
Source: Energy Information Administration. Excludes Industrial and Commercial Plants. March 2011 Southeast Snapshot Report

Updated: March 08, 2011



# Electricity Markets

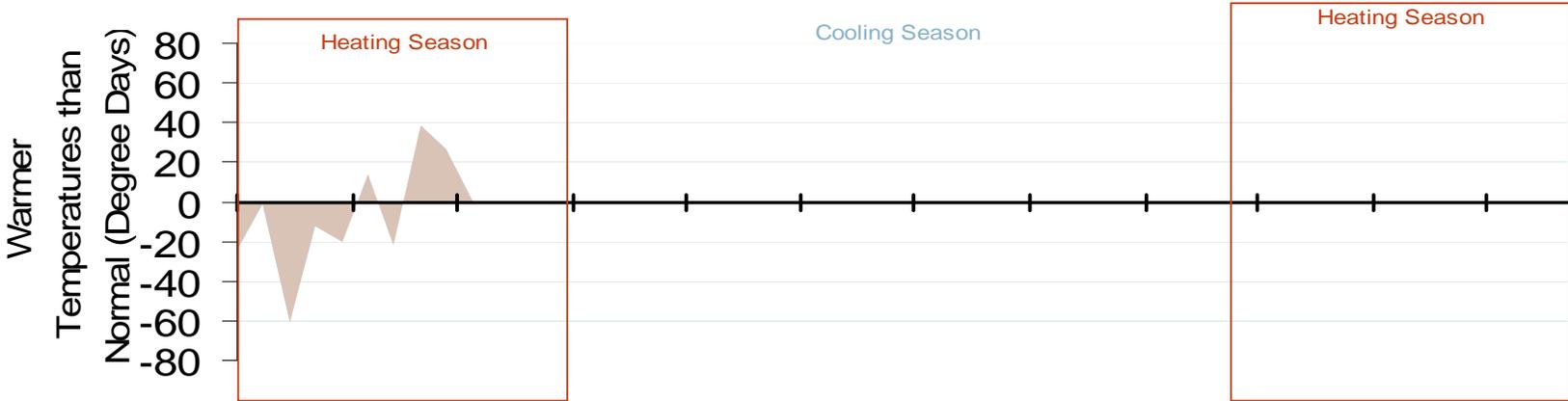
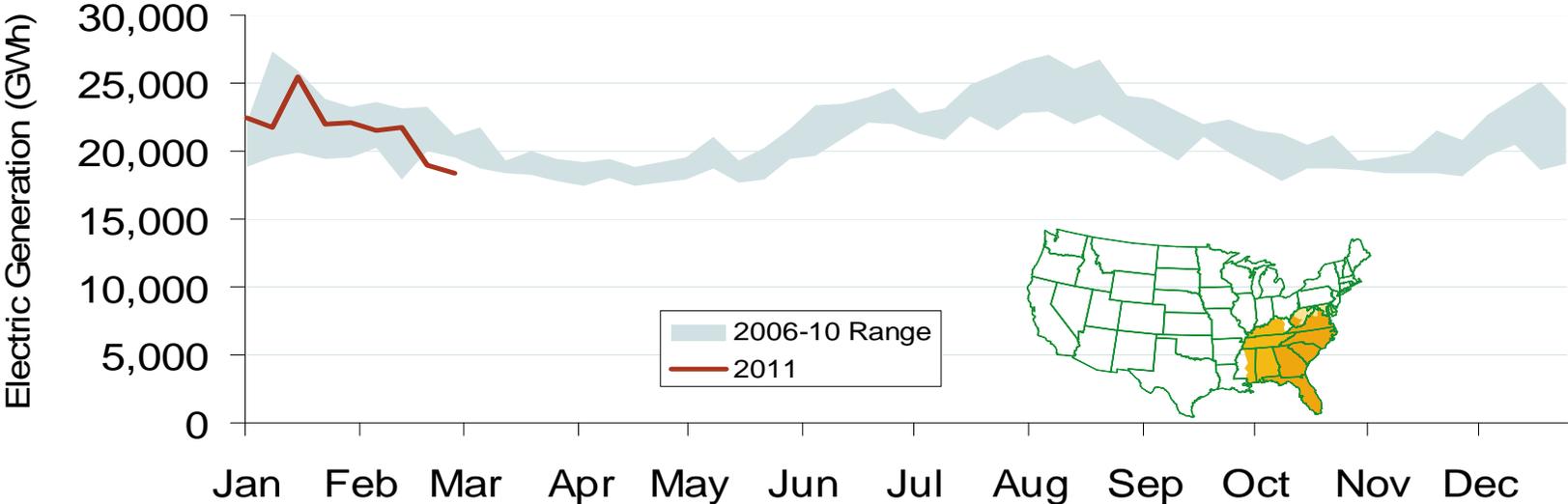
# Weekly U.S. Electric Generation Output and Temperatures



Source: Derived from *EI* and *NOAA* data.

Updated: March 08, 2011

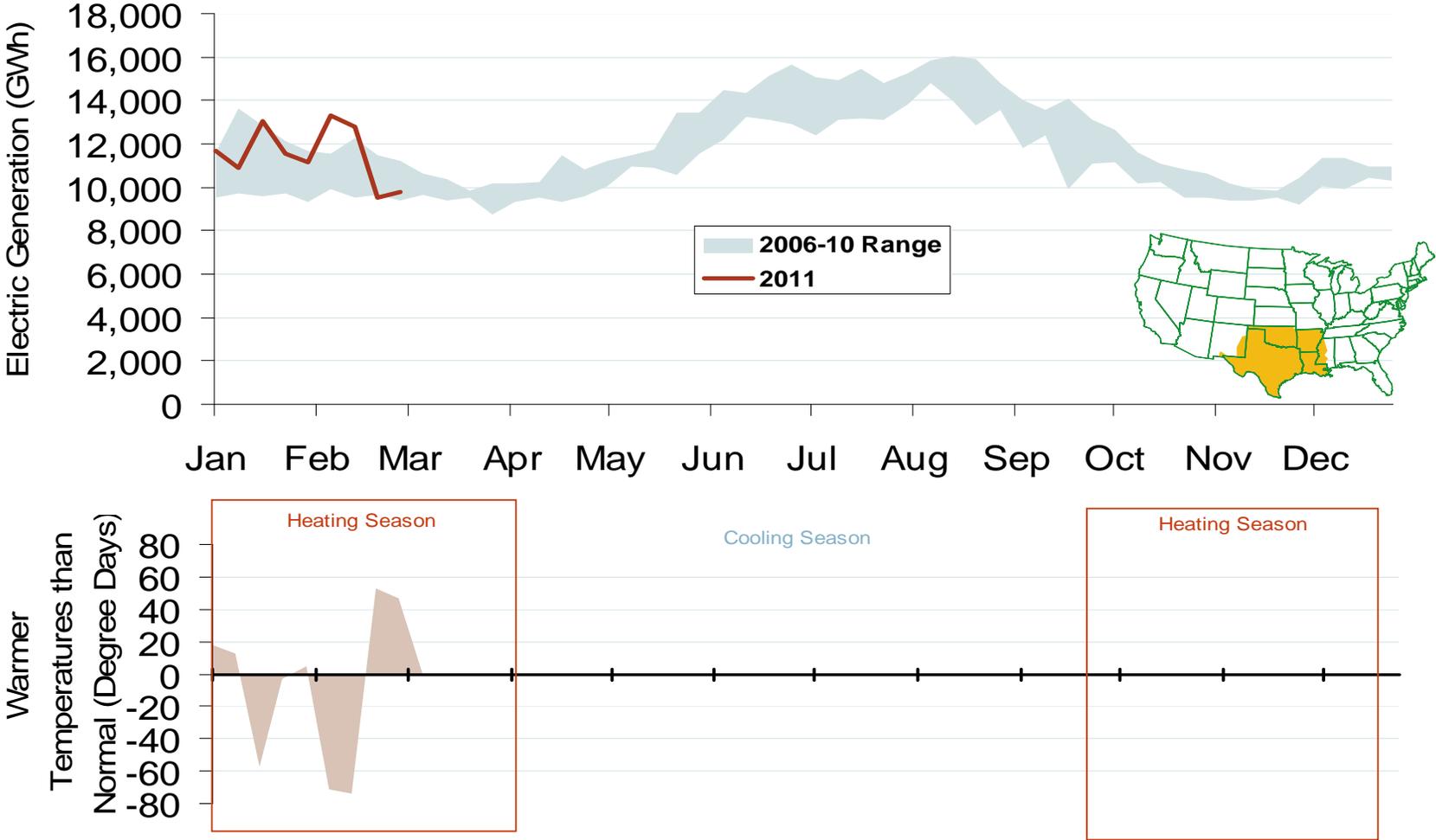
# Weekly Electric Generation Output and Temperatures Southeast Region



Source: Derived from EEI and NOAA data.

Updated: March 08, 2011

# Weekly Electric Generation Output and Temperatures South Central Region



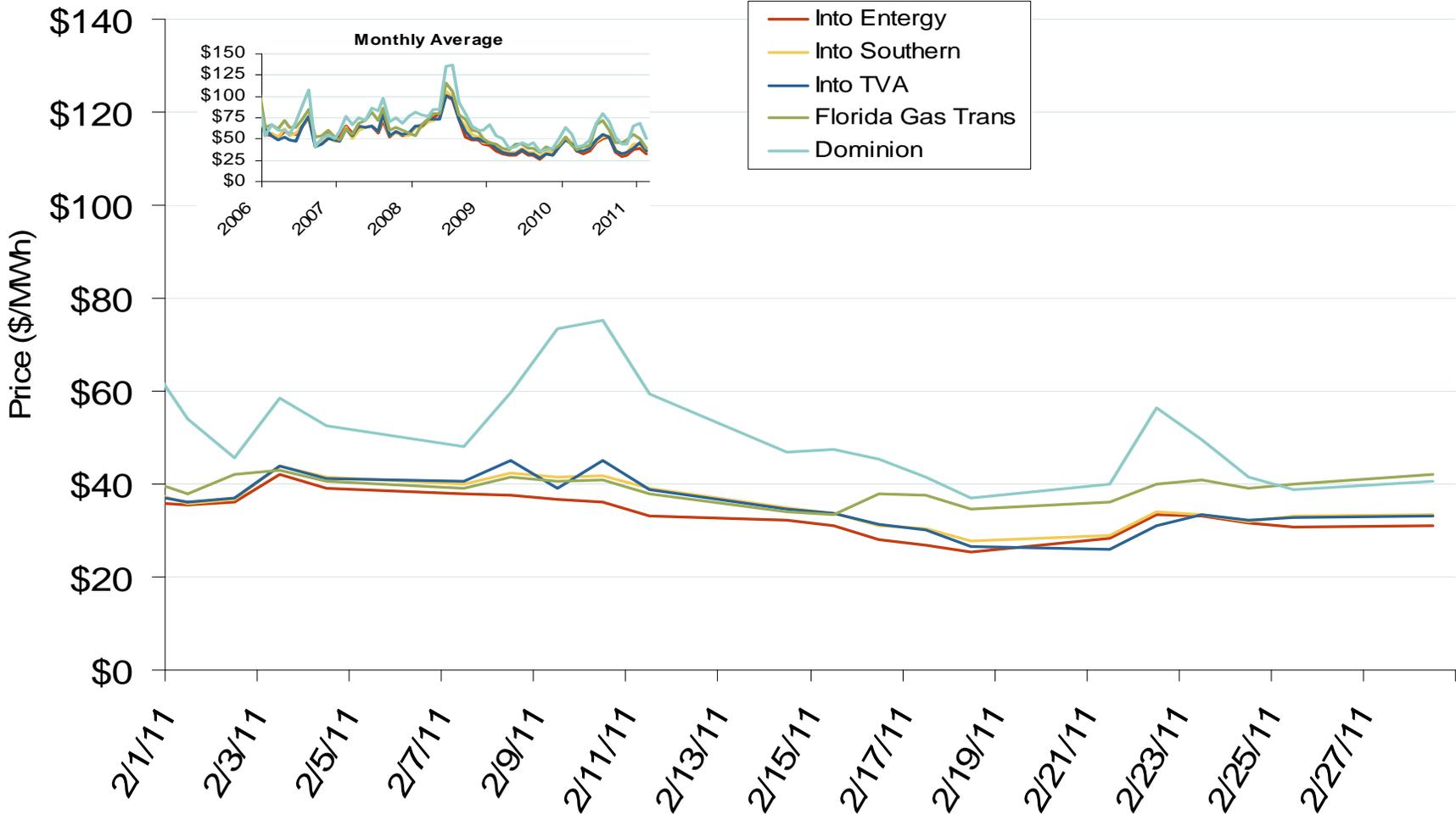
Source: Derived from EEI and NOAA data.

Updated: March 08, 2011

Southeast Electric Market: Last Month's Southeastern Bilateral Prices

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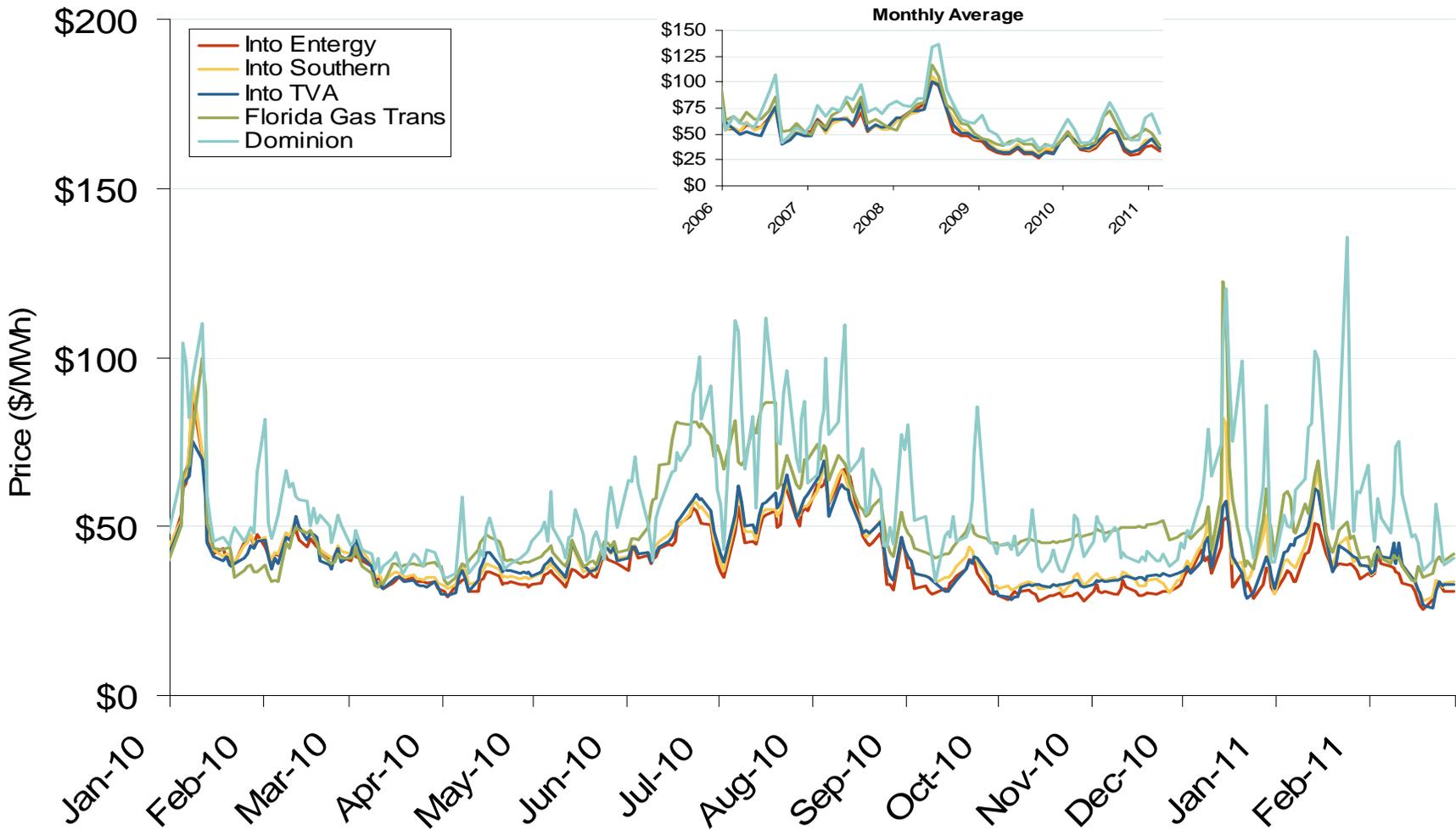
# Southeastern Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from Platts data.

Updated: March 08, 2011

# Southeastern Daily Bilateral Day-Ahead On-Peak Prices

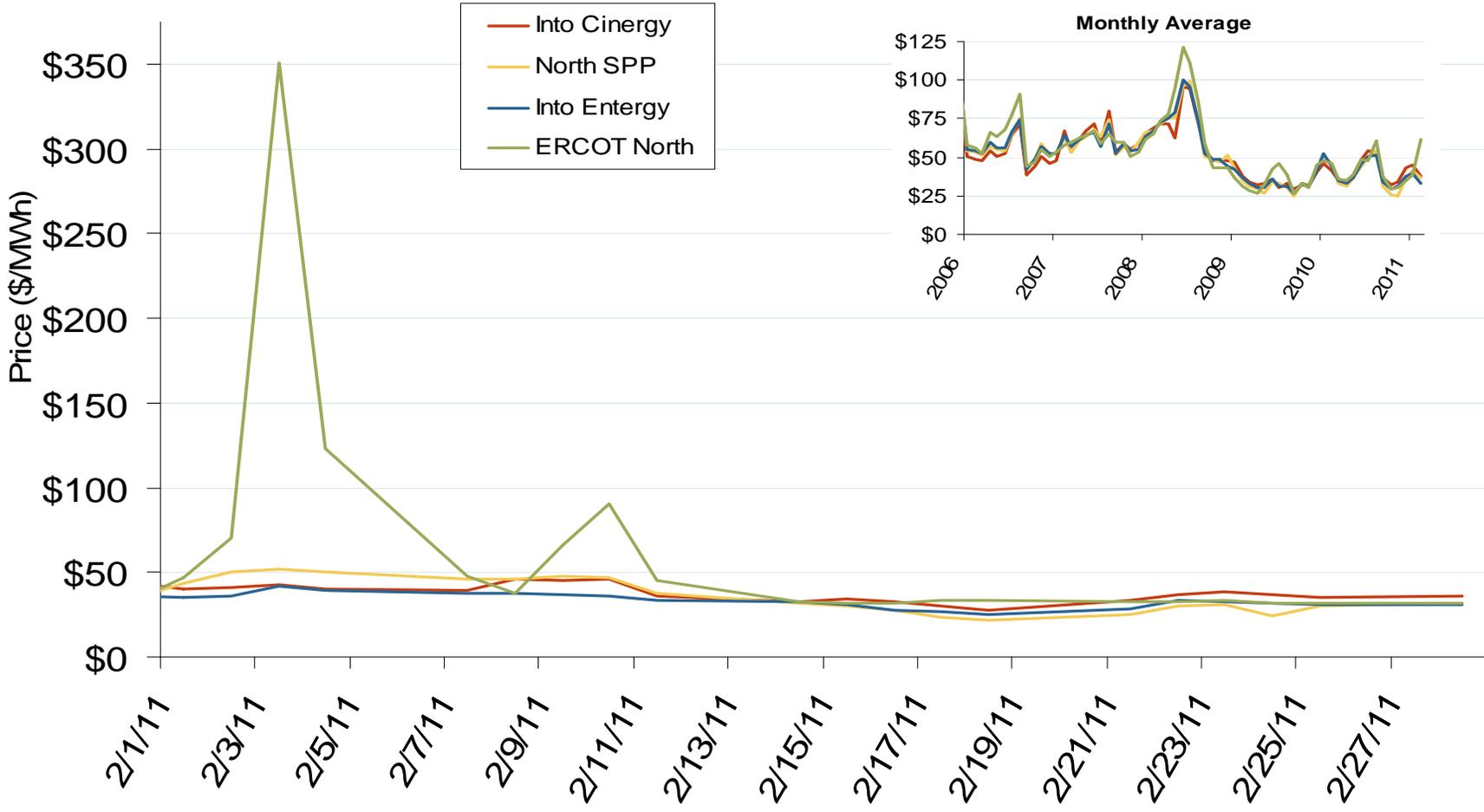


Source: Derived from *Platts* data.

Updated: March 08, 2011

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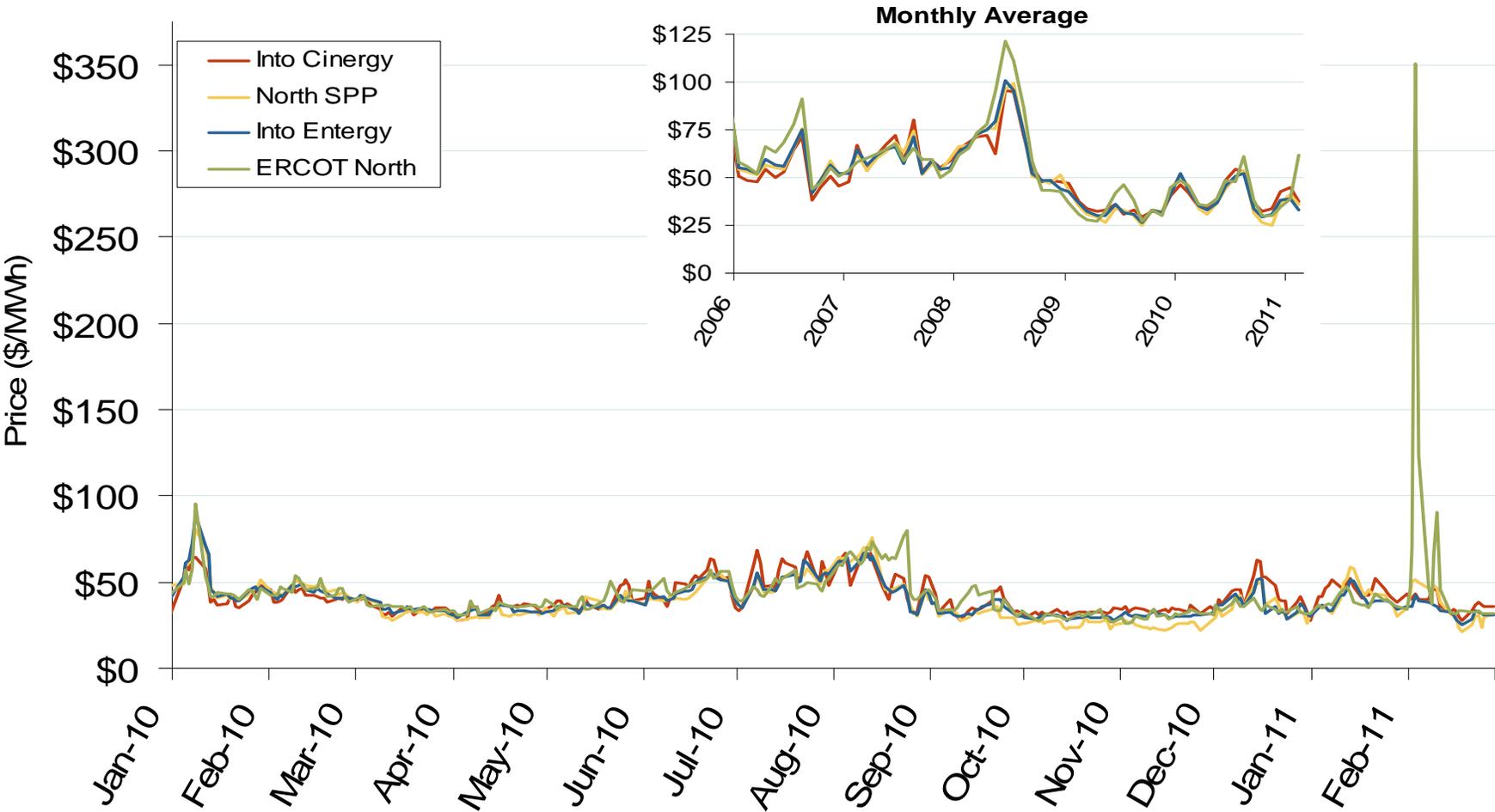
# Midwestern Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from *Platts* data.

Updated: March 08, 2011

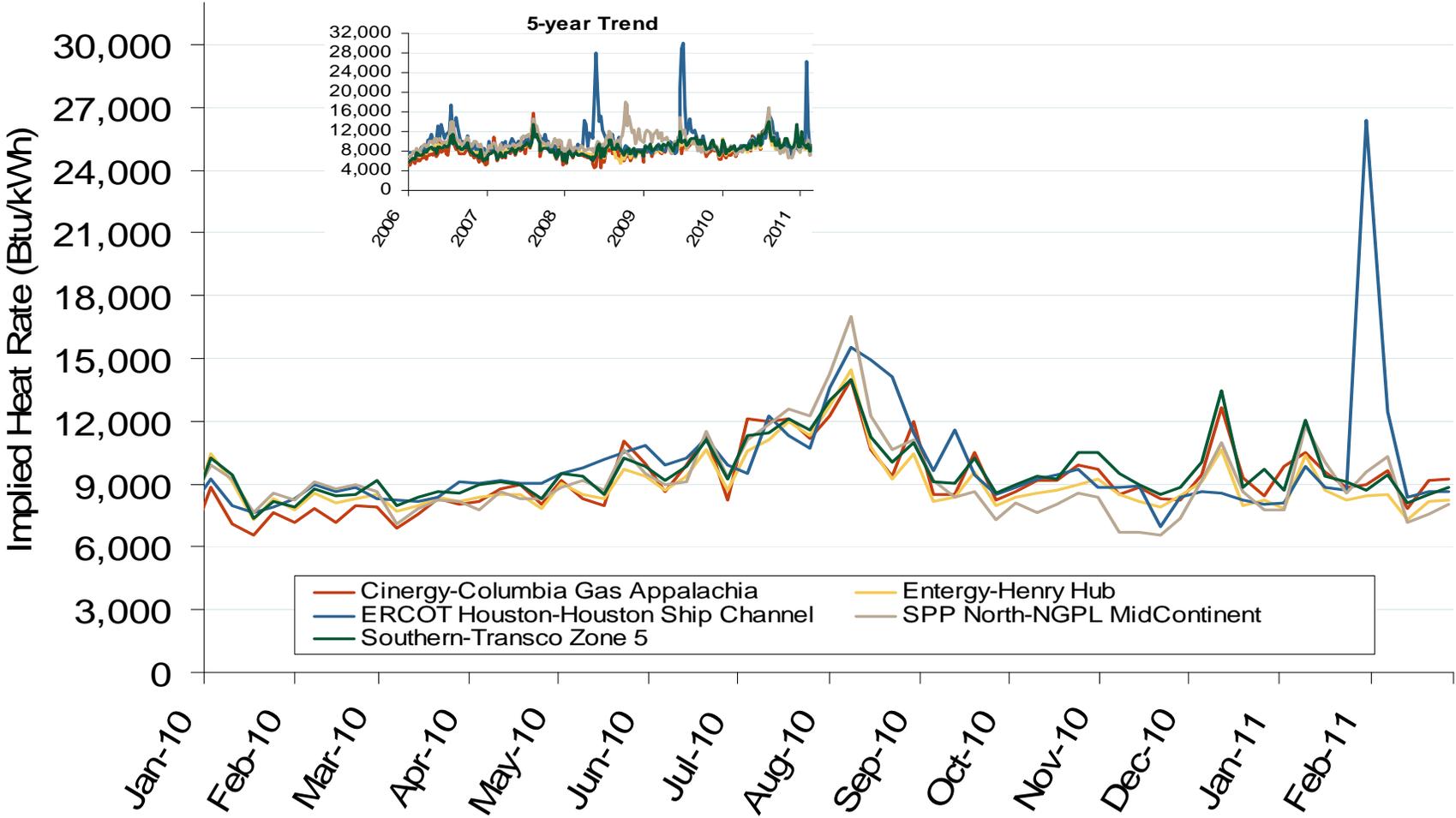
# Midwestern Daily Bilateral Day-Ahead On-Peak Prices



Source: Derived from *Platts* data.

Updated: March 08, 2011

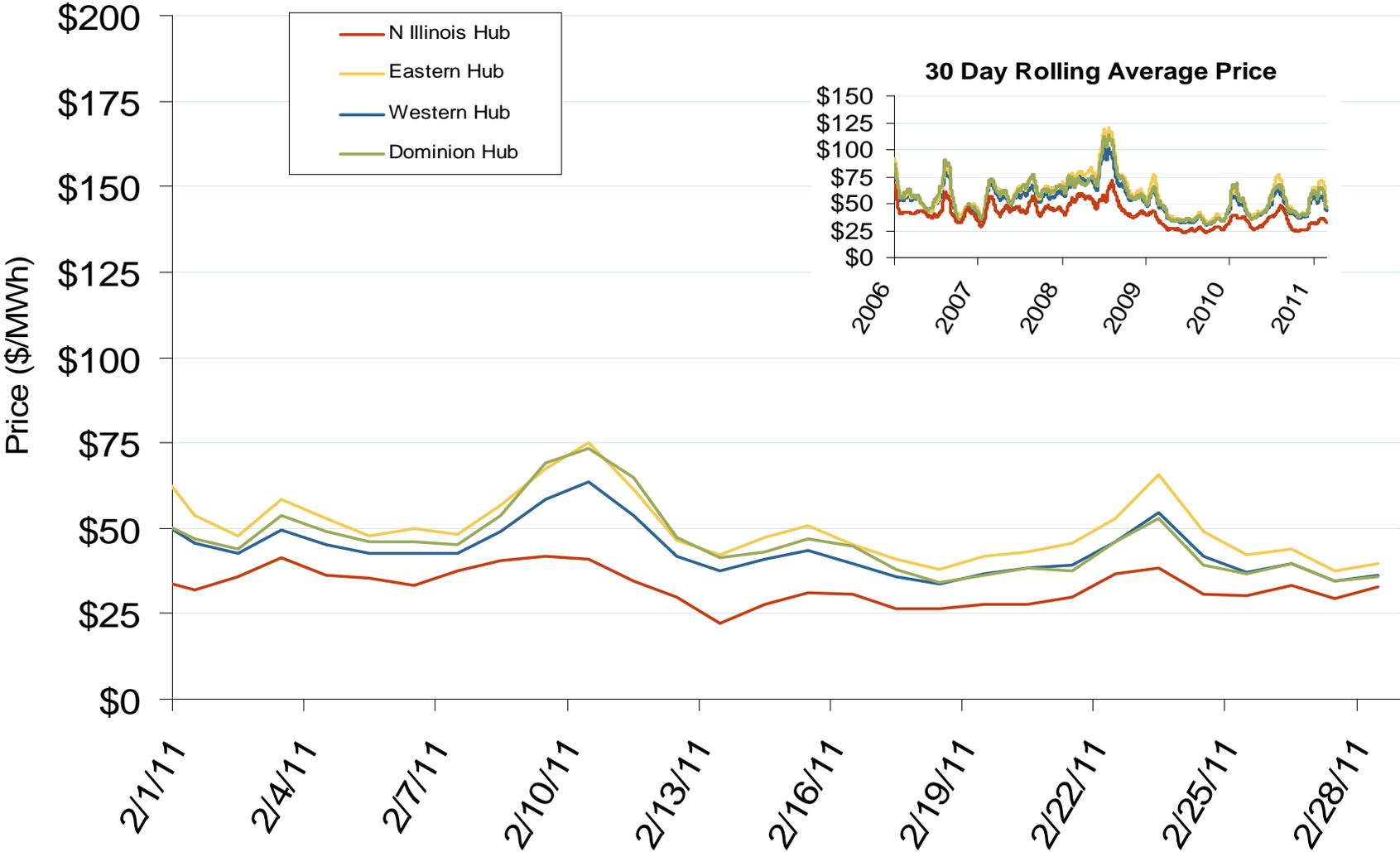
# Implied Heat Rates at South Central Trading Points Weekly Averages



Source: Derived from *Platts* on-peak electric and natural gas price data.

Updated: March 08, 2011

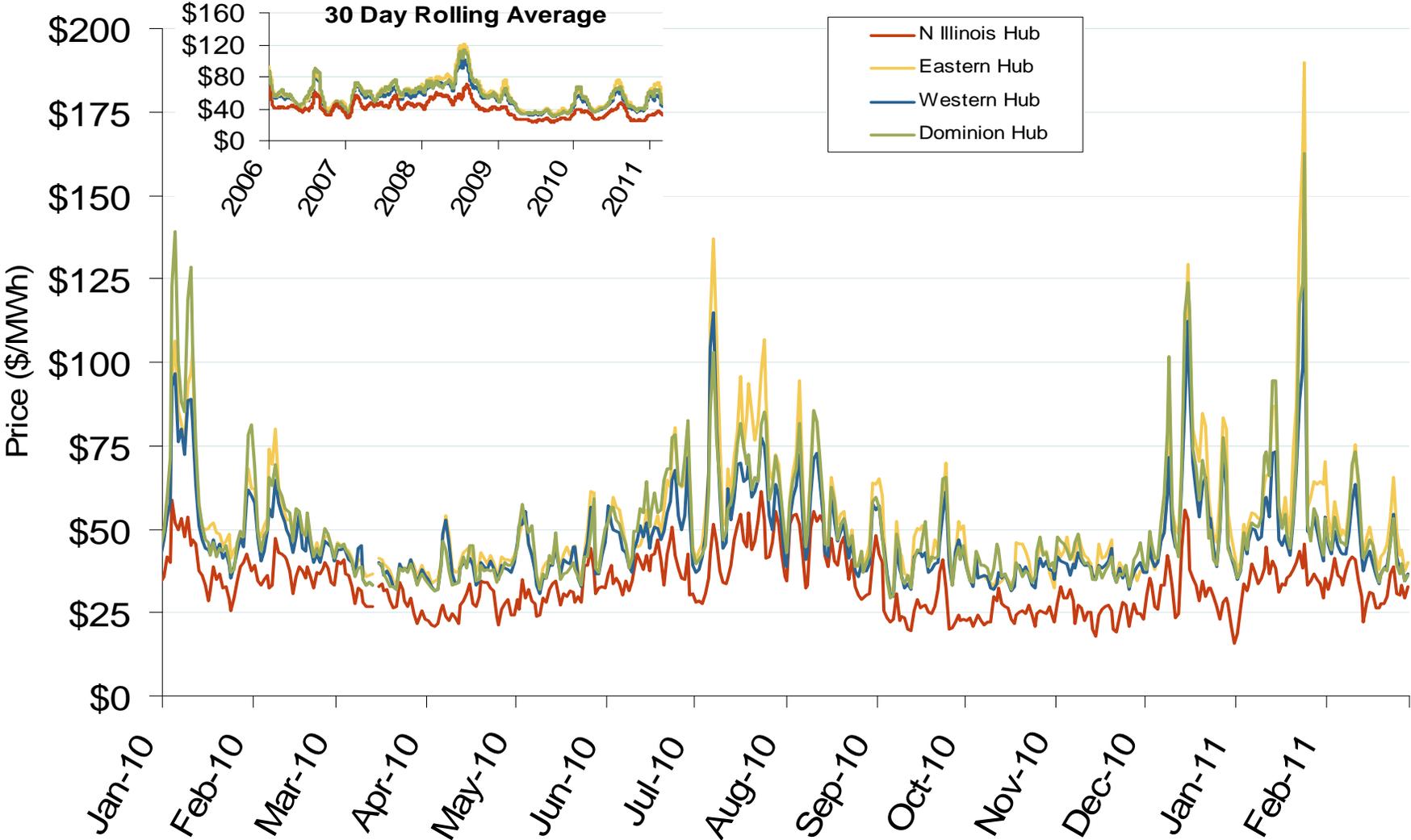
# Daily Average of PJM Day-Ahead Prices - All Hours



Source: Derived from *Bloomberg* PJM data.

Updated: March 08, 2011

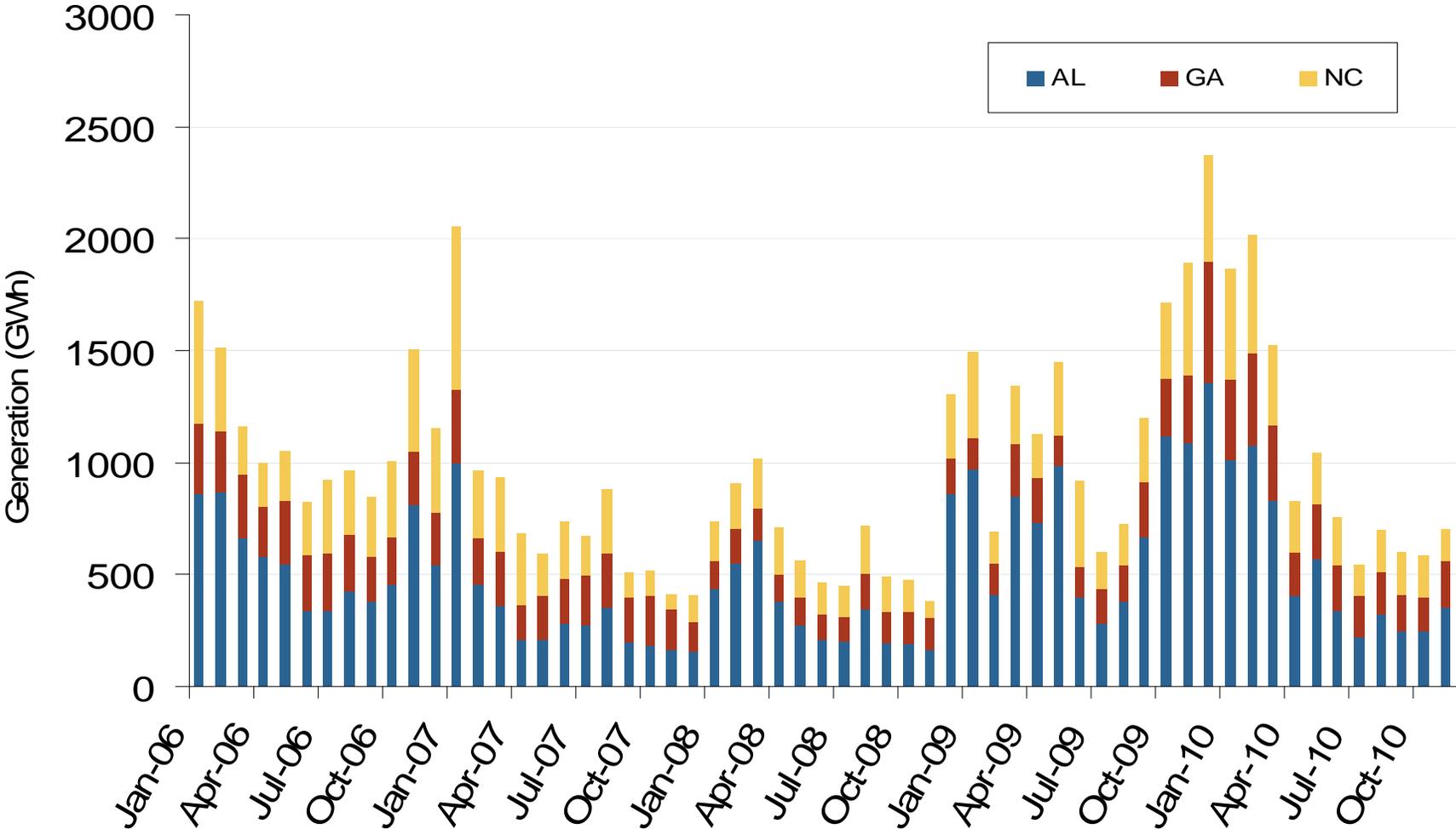
# Daily Average of PJM Day-Ahead Prices - All Hours



Source: Derived from *Bloomberg* data.

Updated: March 08, 2011

# Monthly Southeastern Hydroelectric Generation



Source: Energy Velocity, Derived from EIA and EPA data.

Updated: March 08, 2011

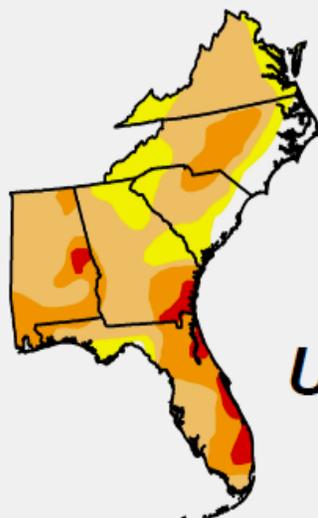
# Monthly Southeastern Drought Conditions

## U.S. Drought Monitor

### Southeast

*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	5.82	94.18	75.79	27.10	4.43	0.00
Last Week (02/22/2011 map)	5.82	94.18	71.95	24.17	3.36	0.00
3 Months Ago (11/30/2010 map)	12.92	87.08	50.11	20.29	2.68	0.00
Start of Calendar Year (12/28/2010 map)	23.01	76.99	51.84	23.55	5.63	0.00
Start of Water Year (09/28/2010 map)	18.18	81.82	38.04	10.32	0.90	0.00
One Year Ago (02/23/2010 map)	100.00	0.00	0.00	0.00	0.00	0.00



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

**March 1, 2011**

**March 2, 2010**

## U.S. Drought Monitor

### Southeast

*Drought Conditions (Percent Area)*

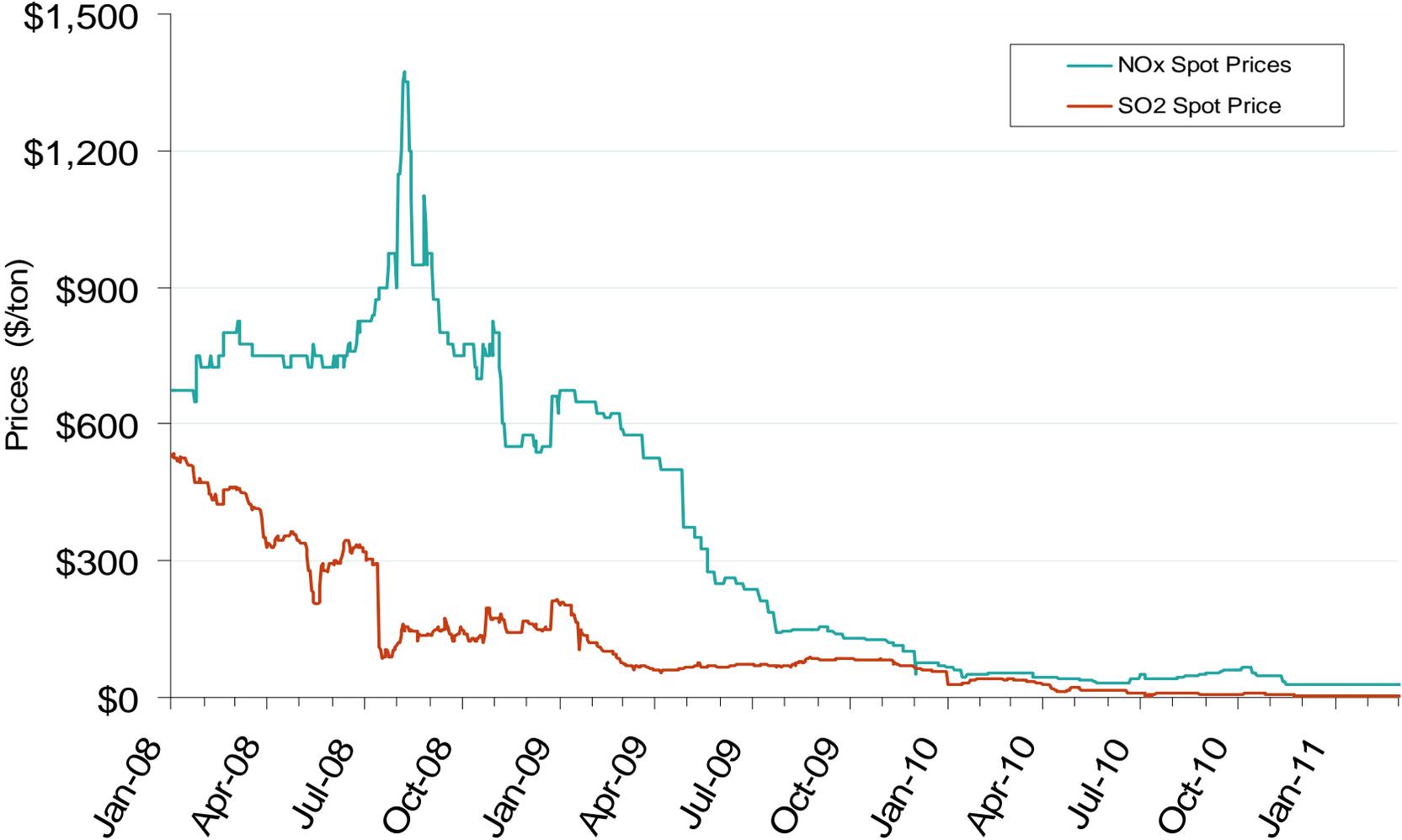
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	100.0	0.0	0.0	0.0	0.0	0.0
Last Week (02/23/2010 map)	100.0	0.0	0.0	0.0	0.0	0.0
3 Months Ago (12/08/2009 map)	96.4	3.6	0.6	0.0	0.0	0.0
Start of Calendar Year (01/05/2010 map)	99.5	0.5	0.0	0.0	0.0	0.0
Start of Water Year (10/06/2009 map)	82.6	17.4	5.5	1.0	0.0	0.0
One Year Ago (03/03/2009 map)	8.5	91.5	40.8	7.1	1.6	0.0



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

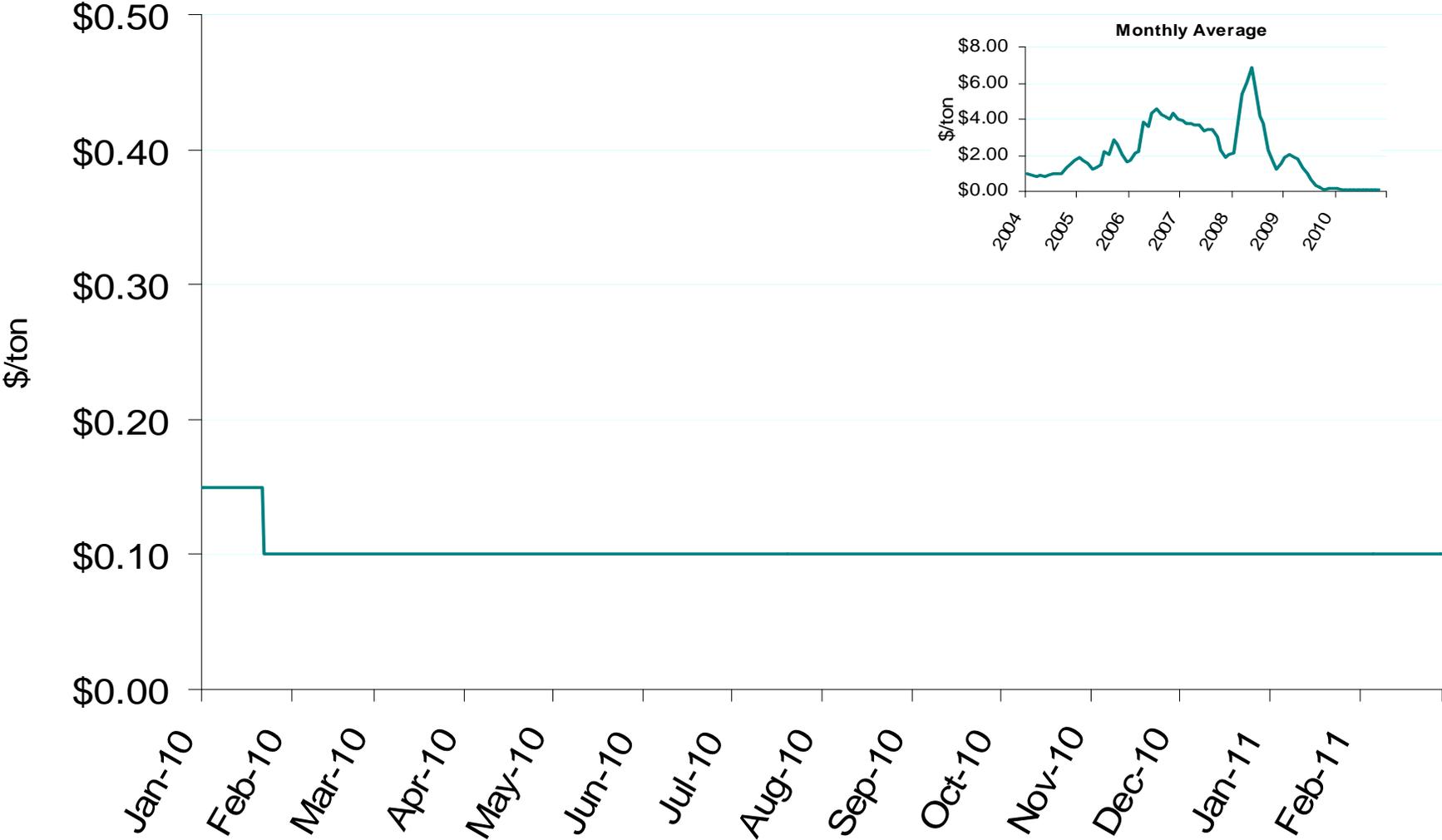
# SO2 Allowance Spot Prices and NOx Seasonal Allowance Spot Prices



Source: Derived from *Bloomberg data*.

Updated: March 07, 2011

# Chicago Climate Exchange CO2 Index



Source: Derived from *Bloomberg data*.  
March 2011 Southeast Snapshot Report

Updated: March 07, 2011