

OE ENERGY MARKET SNAPSHOT

Southeast States Version – August 2011 Data

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

Office of Enforcement
Federal Energy Regulatory Commission
September 2011

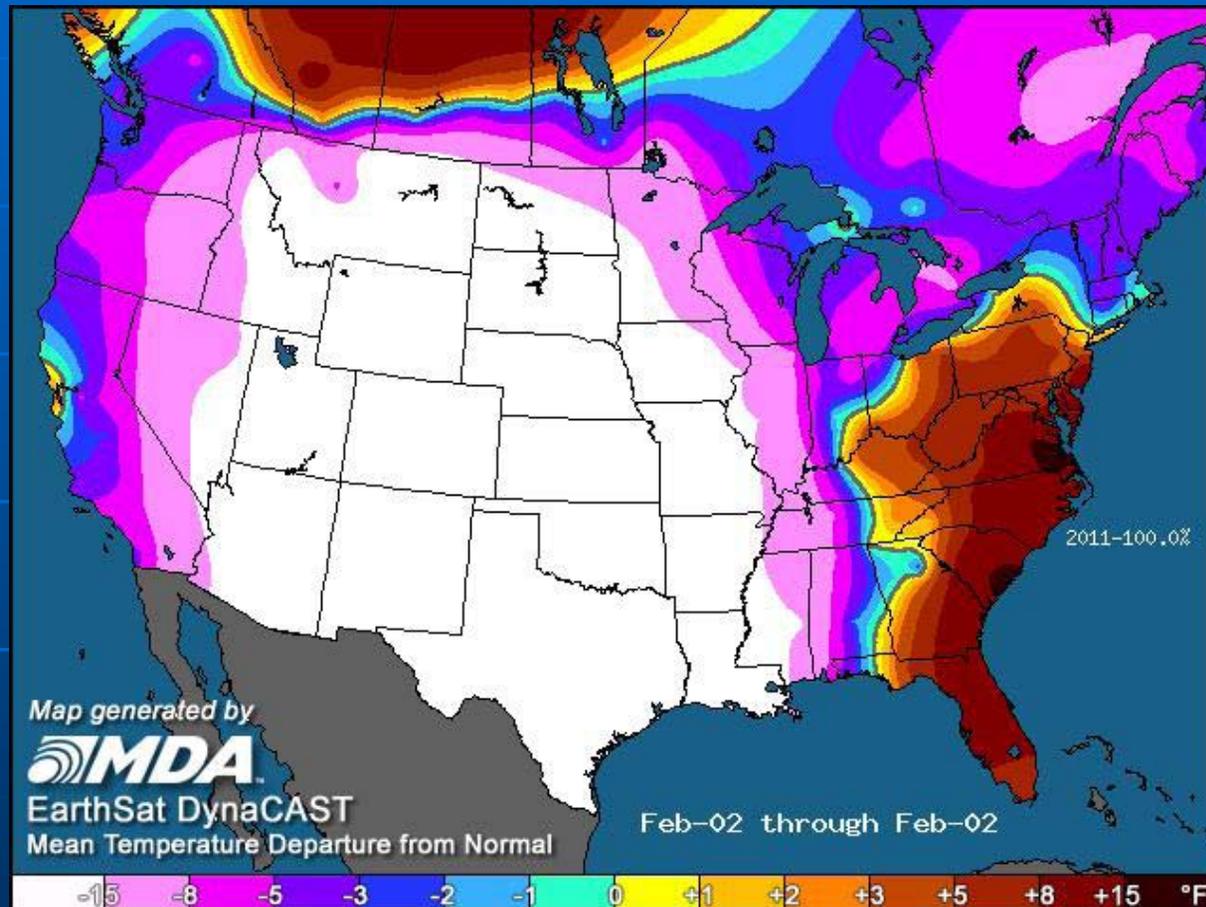


Outages and Curtailments Southwest Cold Weather Event February 1-5

Item No: A-4

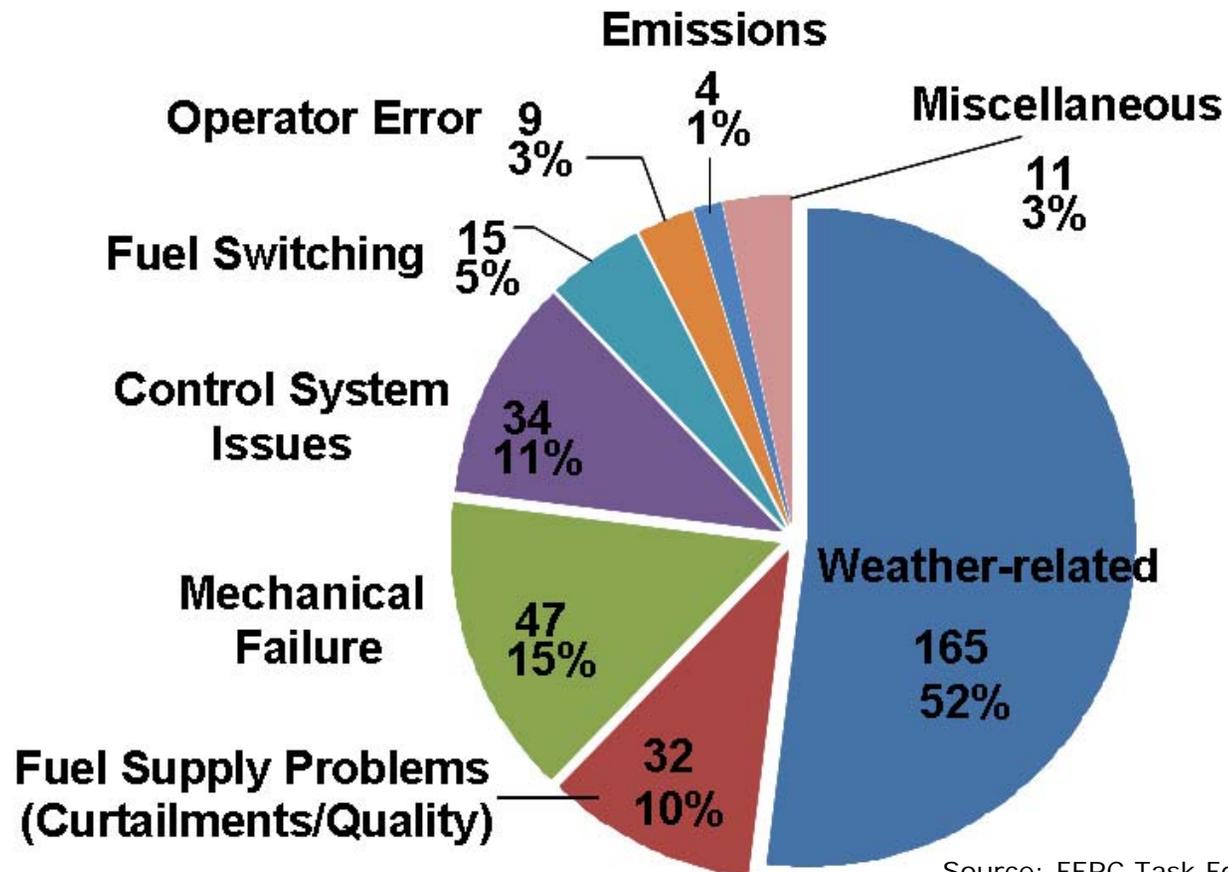
September 15, 2011

Widespread Low Temperatures Feb. 2, 2011

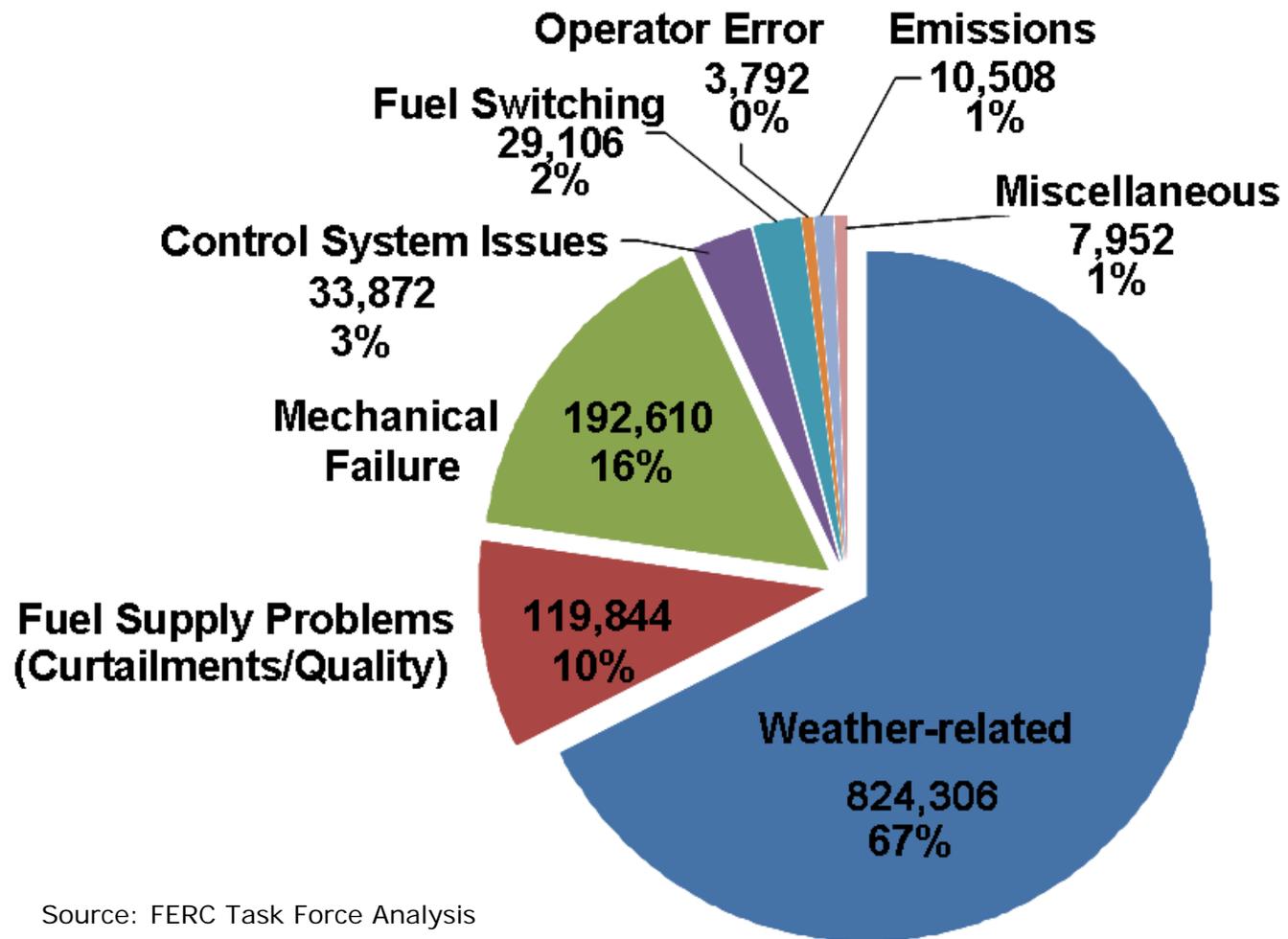


Source: MDA EarthSat

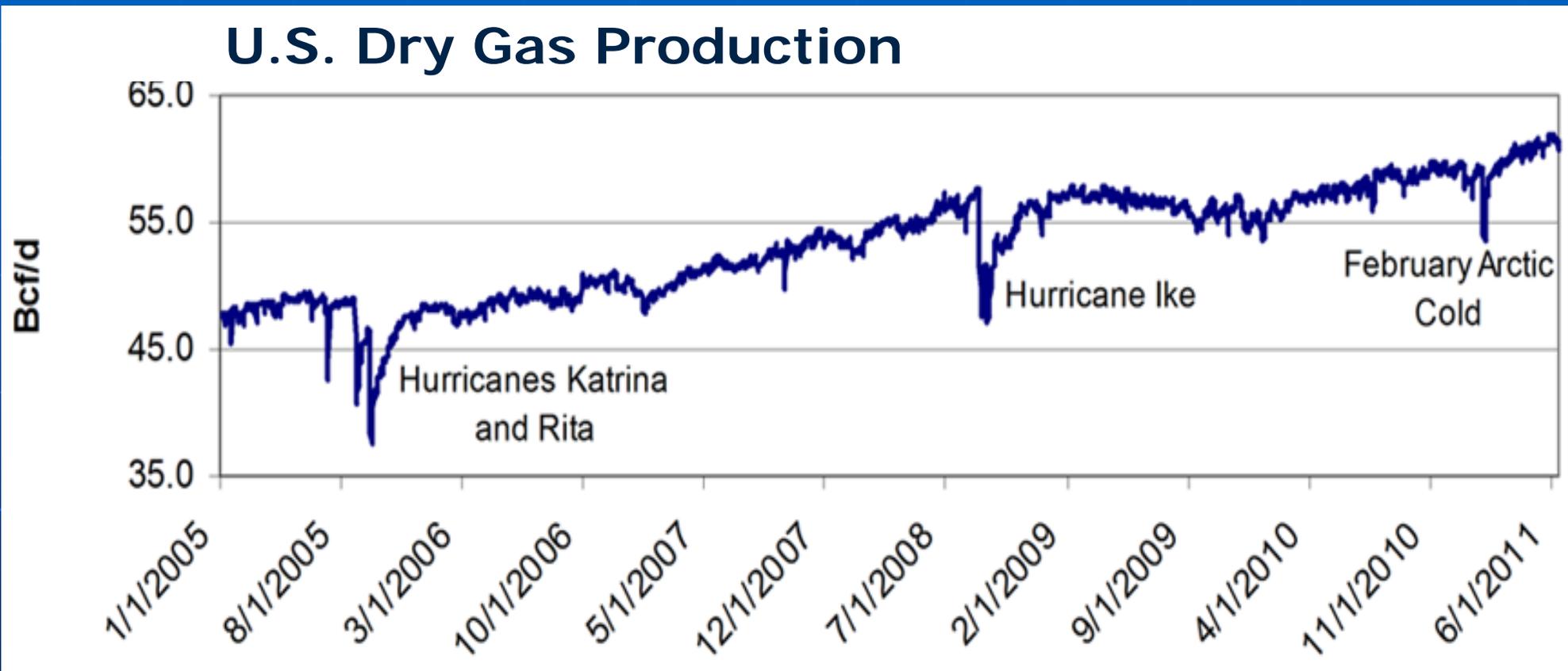
SW Units Tripped, Derated, Failed, on Feb 1-5



SW Mwh of Generation Unavailable on Feb 1-5

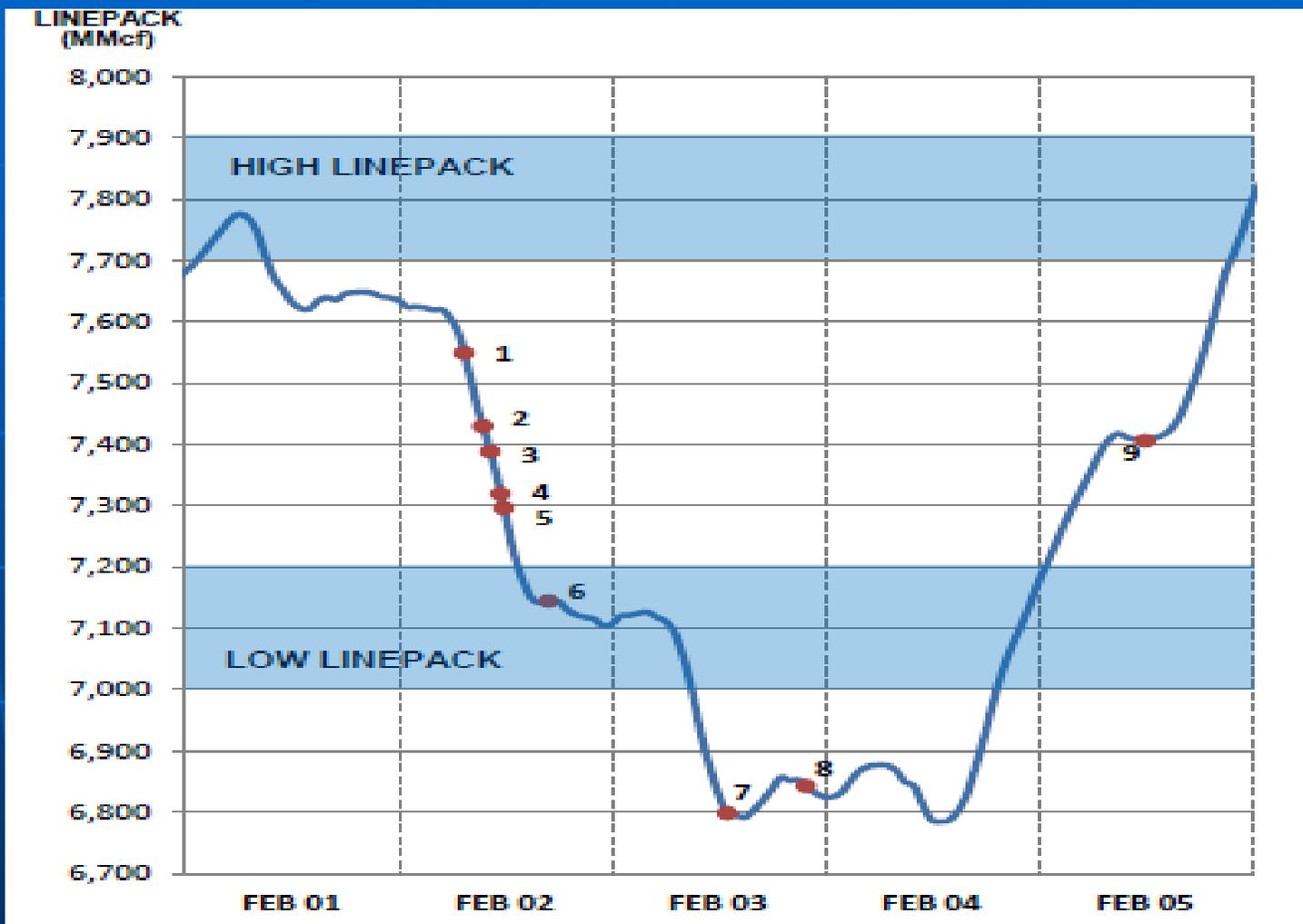


Supply Reductions



Source: FERC Task Force Analysis from Bentek data.

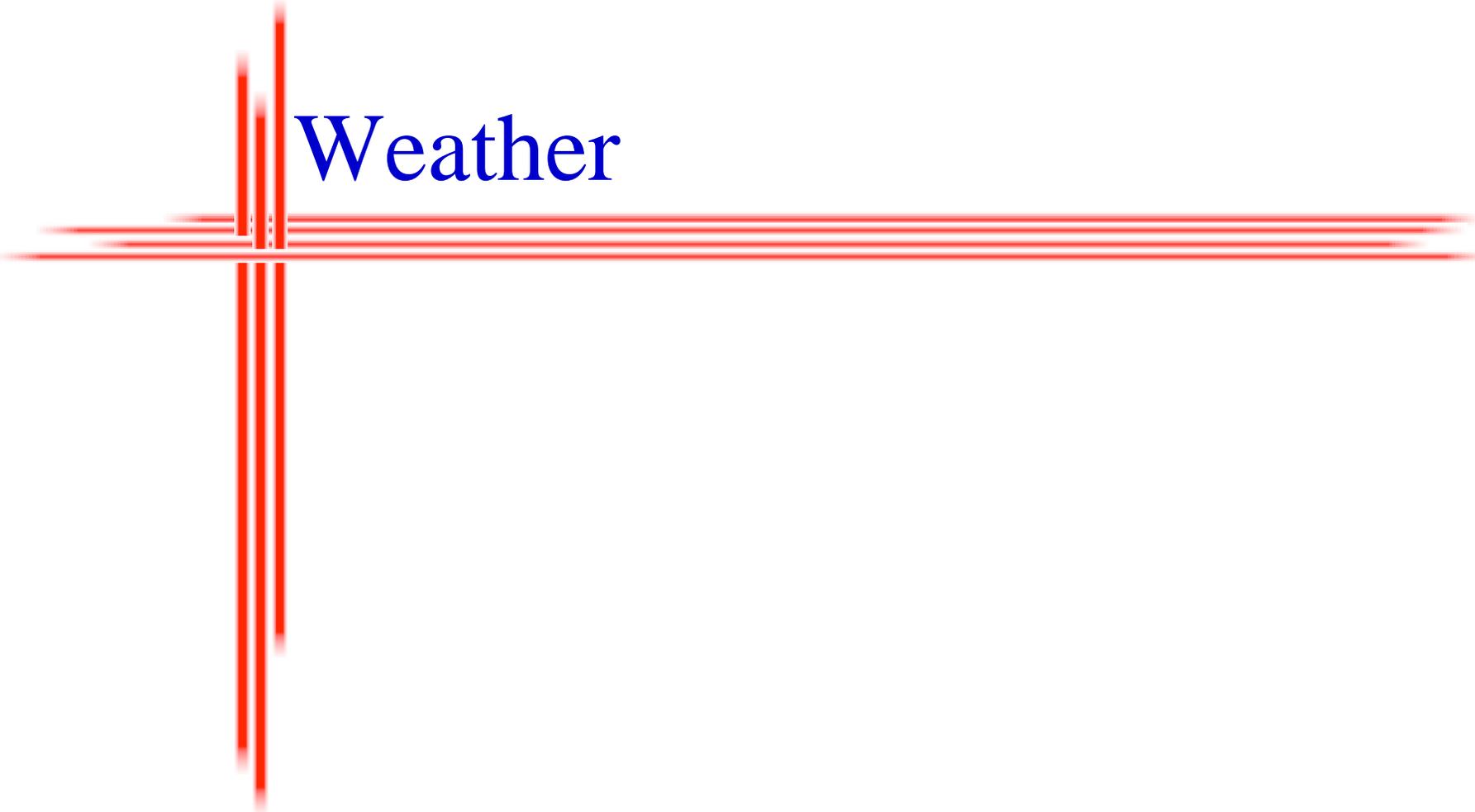
Pipeline Line Pack



Source: El Paso
Natural Gas Company

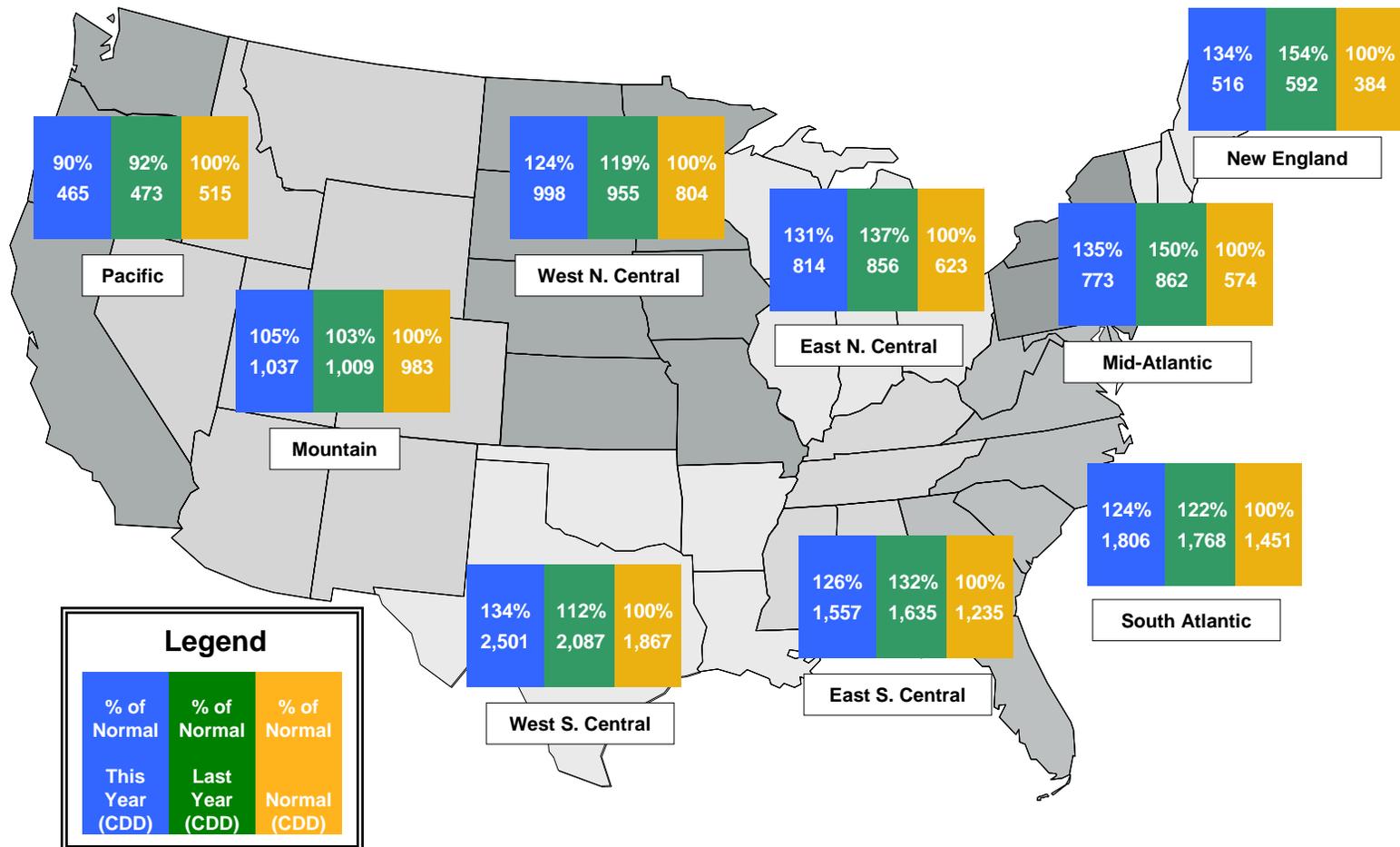
**Report on Outages and Curtailments
During the Southwest
Cold Weather Event
Of February 1-5, 2011**

<http://www.ferc.gov/legal/staff-reports/08-16-11-report.pdf>



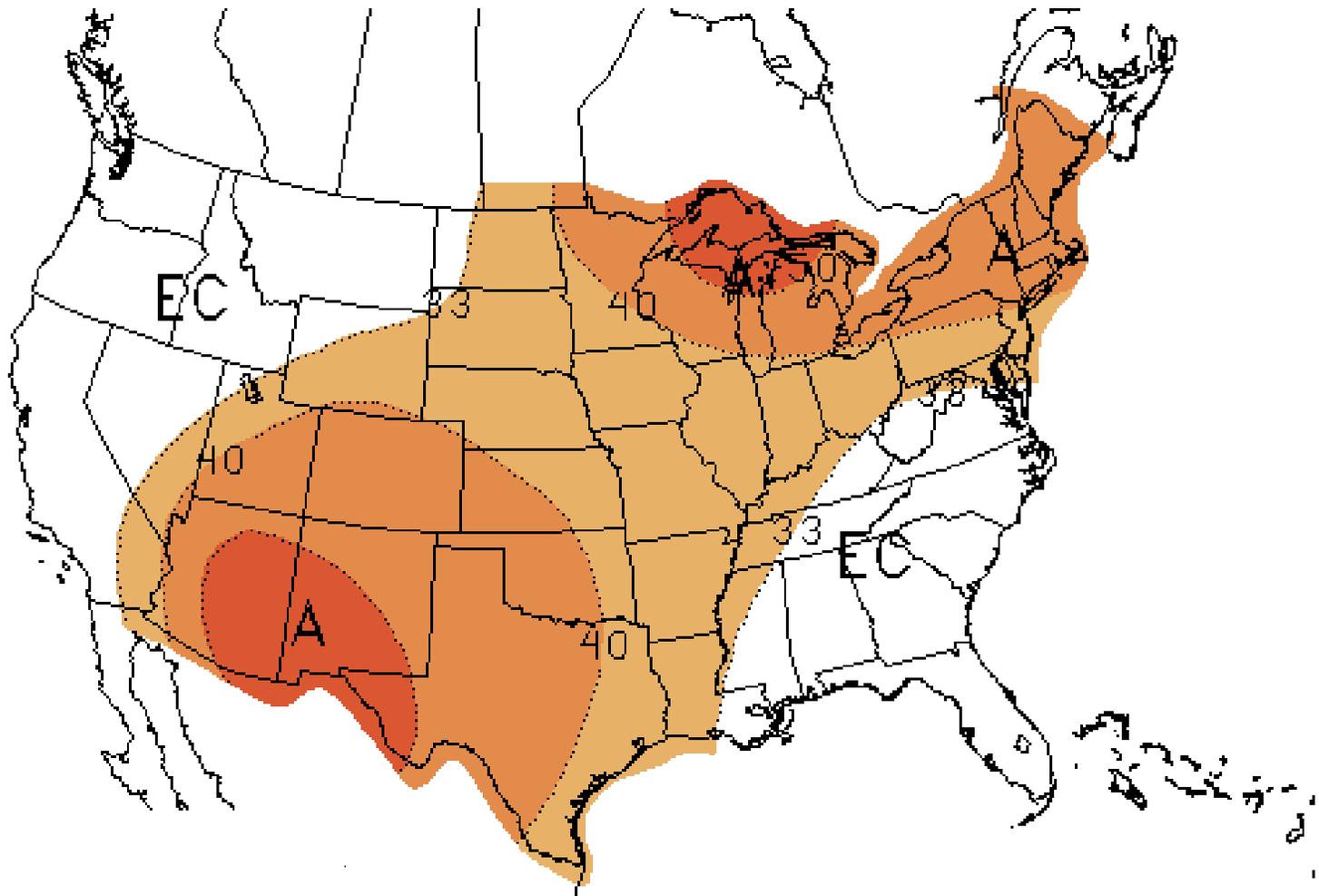
Weather

Regional Cooling Degree Days – January Through August 2011



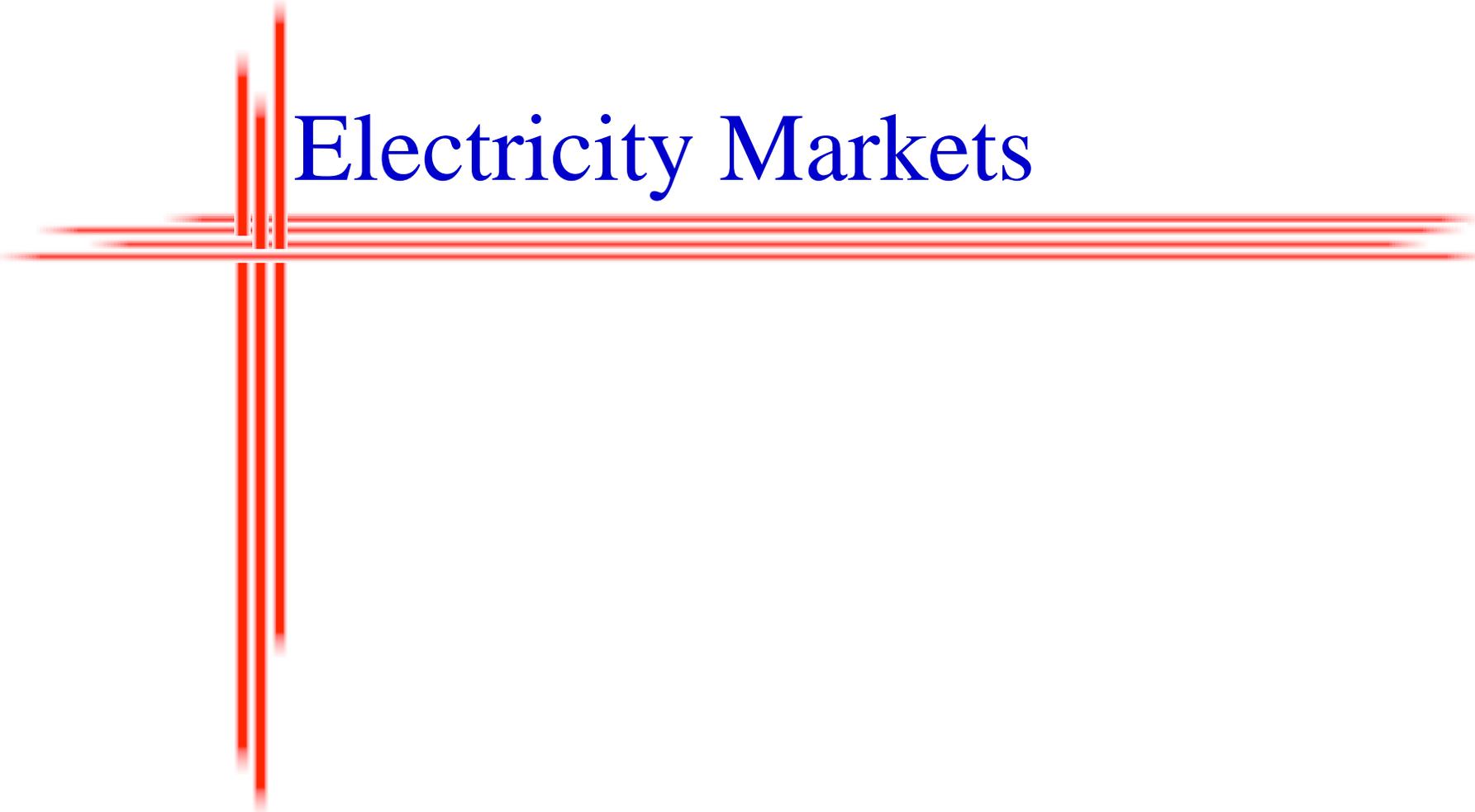
Source: Derived from NOAA data. Normal is based on a 30-year average of cooling degree day data.

NOAA's 3 Month Temperature Forecast Made August 18, 2011, Valid for Sep – Nov 2011



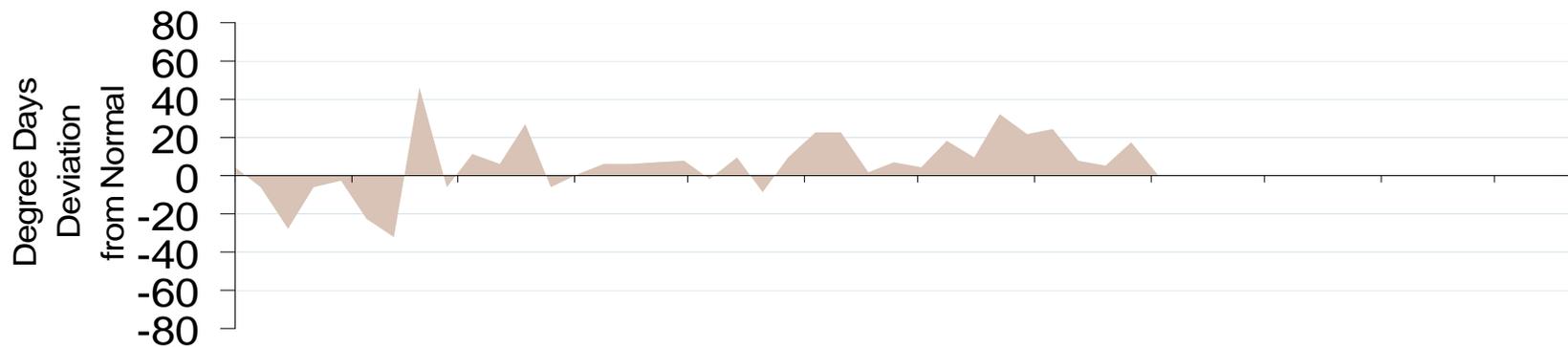
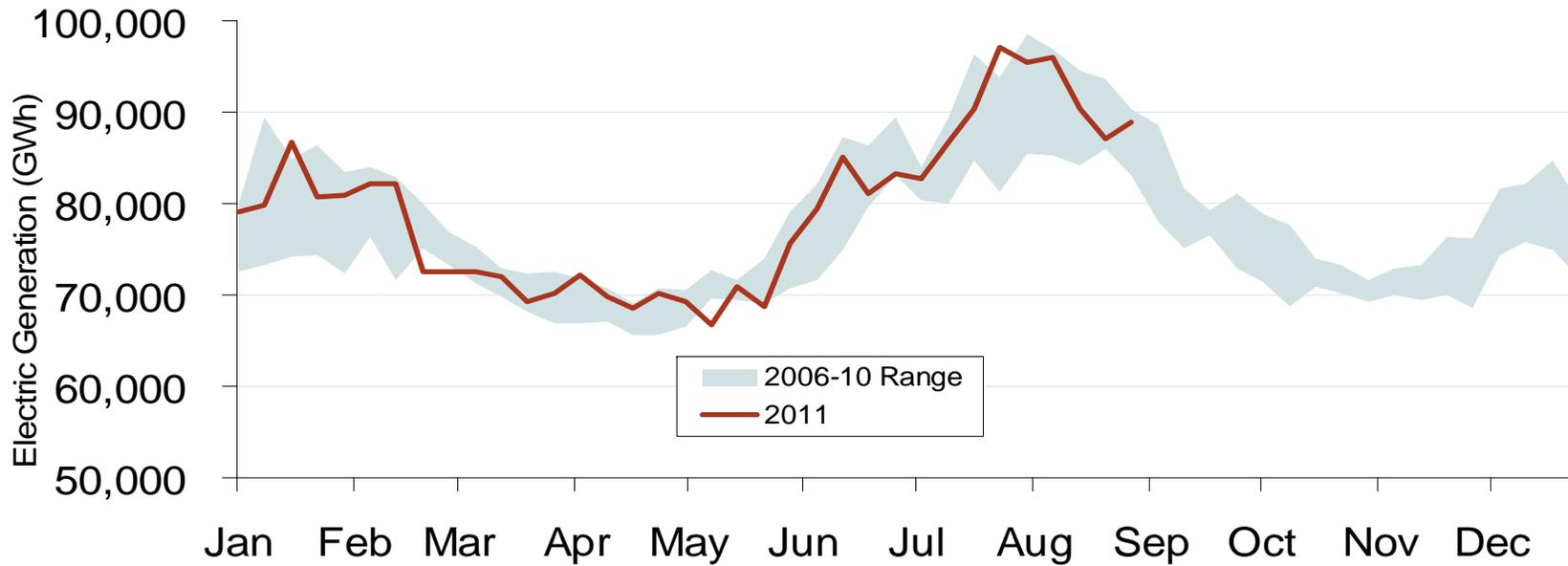
Note: "A" areas are above normal, "B" areas are below normal and "EC" means equal chance. Normal is based on the last 30 years of data.
Source: Derived from NOAA data.

Updated September 2, 2011

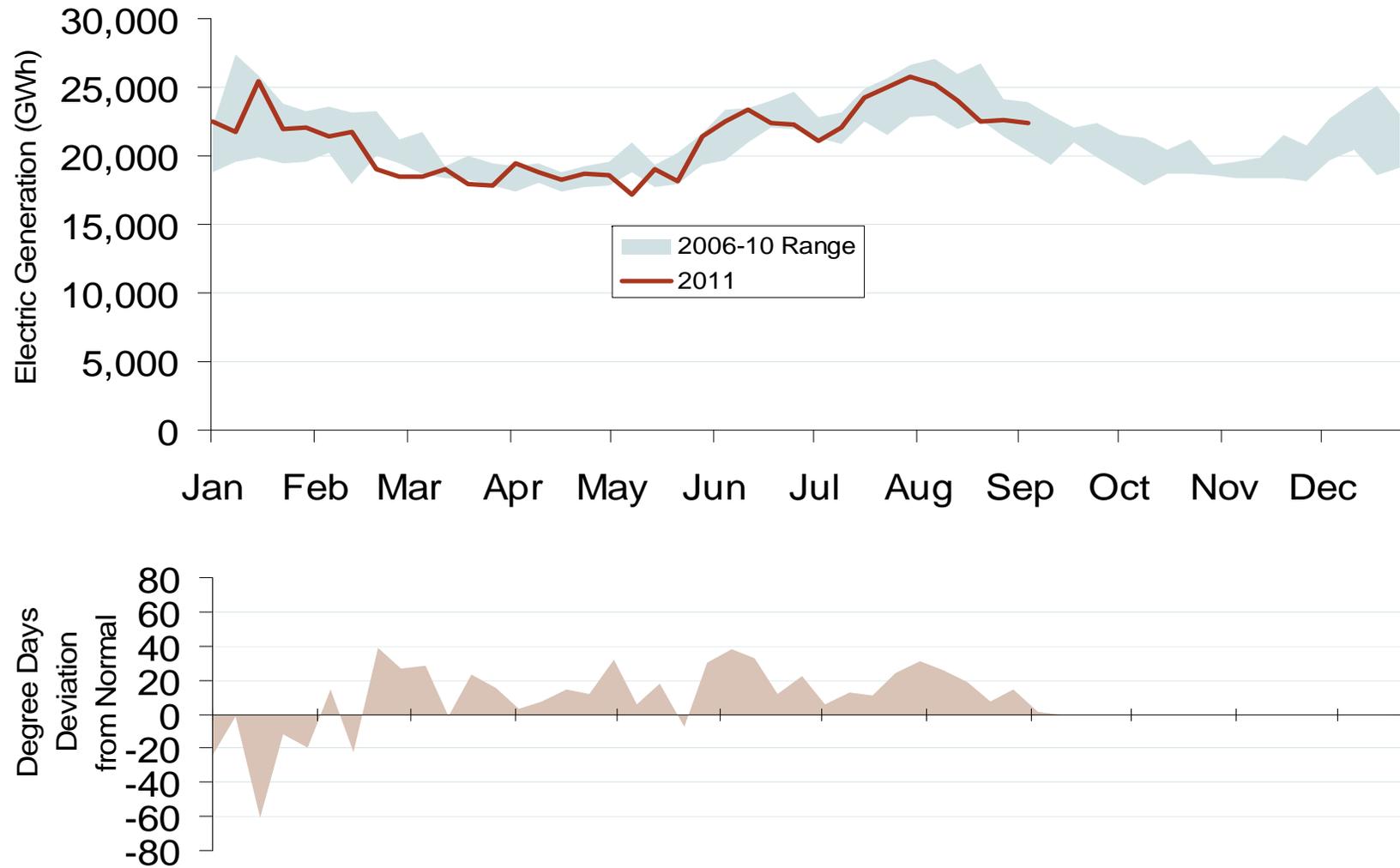


Electricity Markets

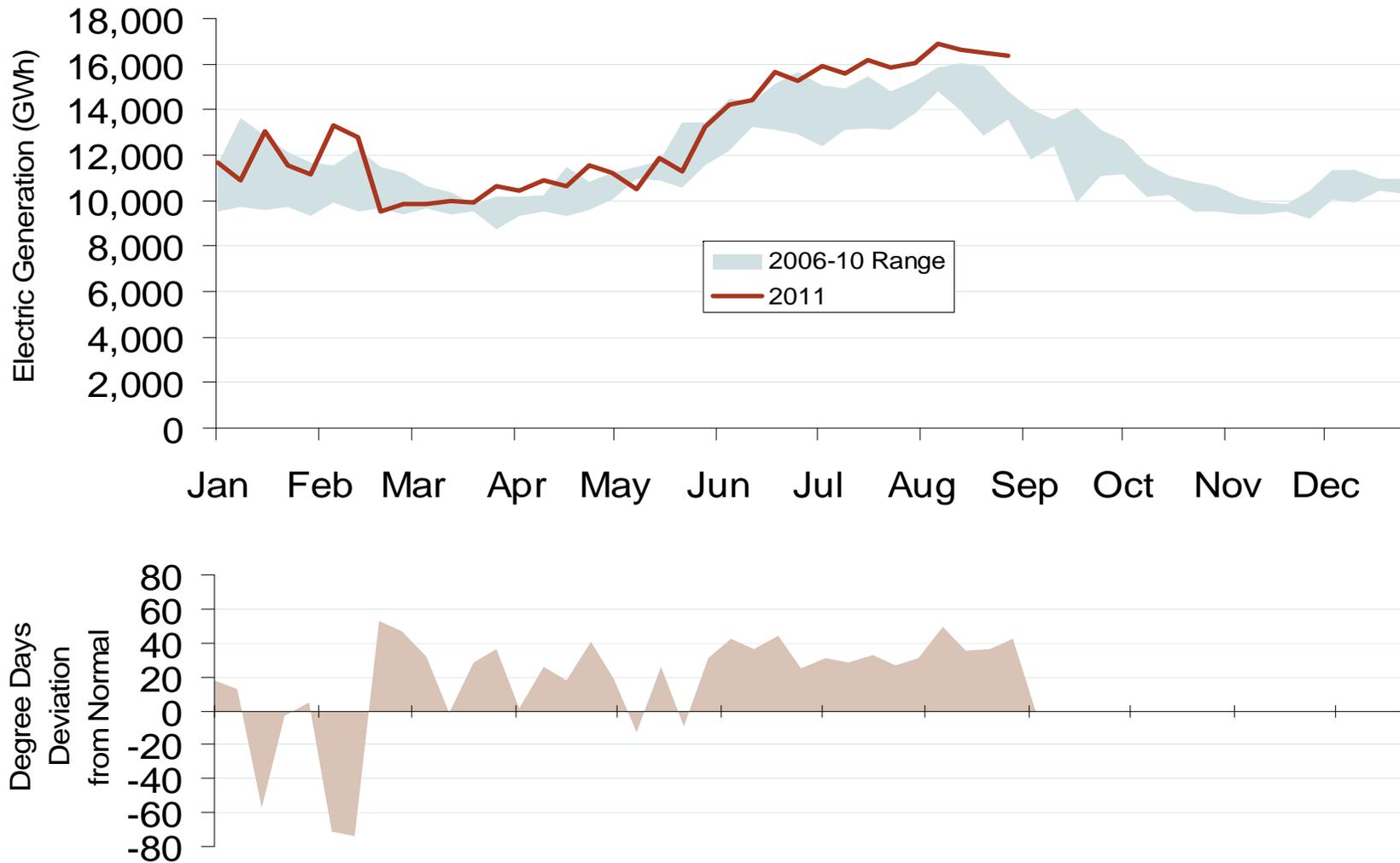
Weekly U.S. Electric Generation Output and Temperatures



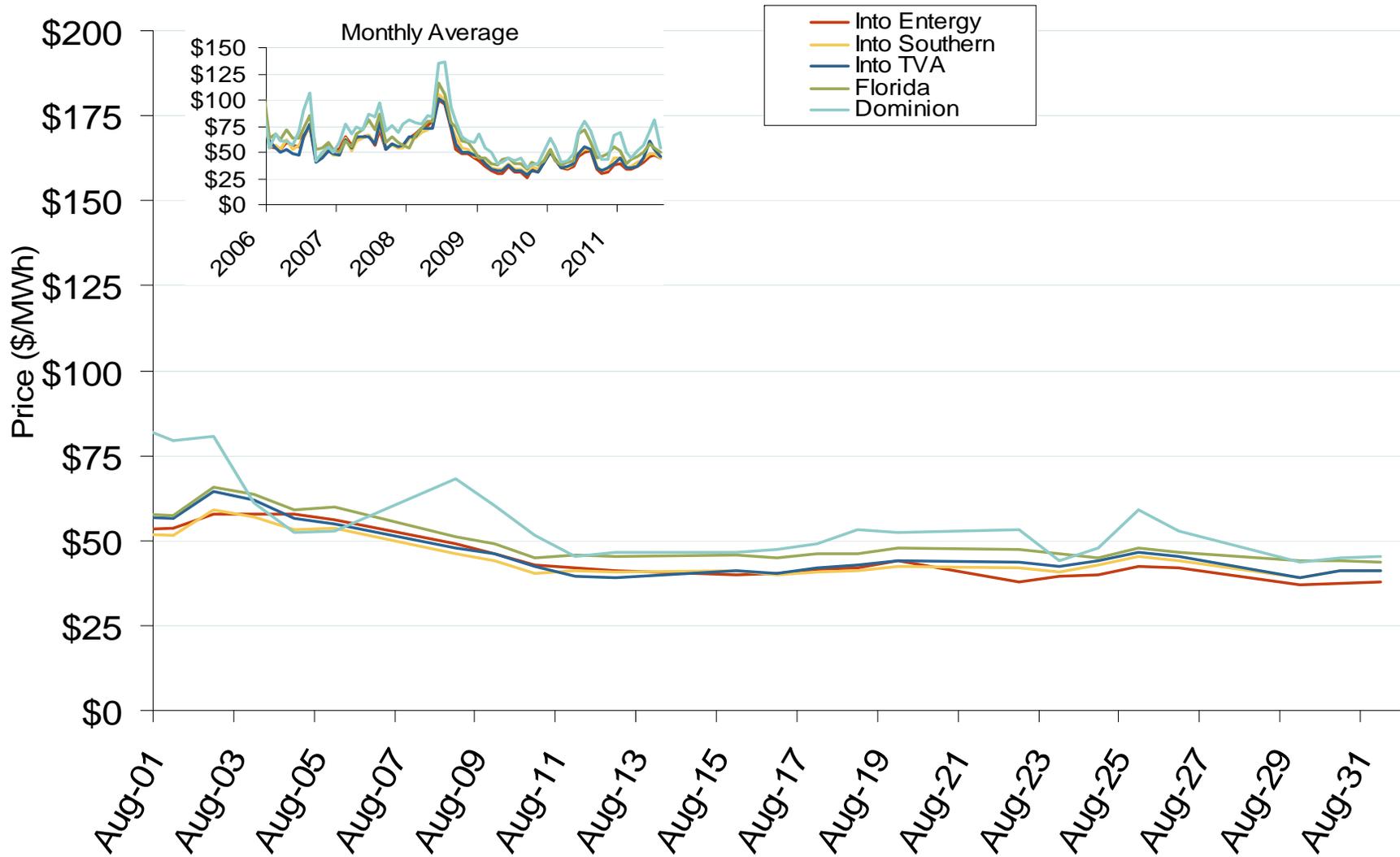
Weekly Power Generation & Temps. - Southeast



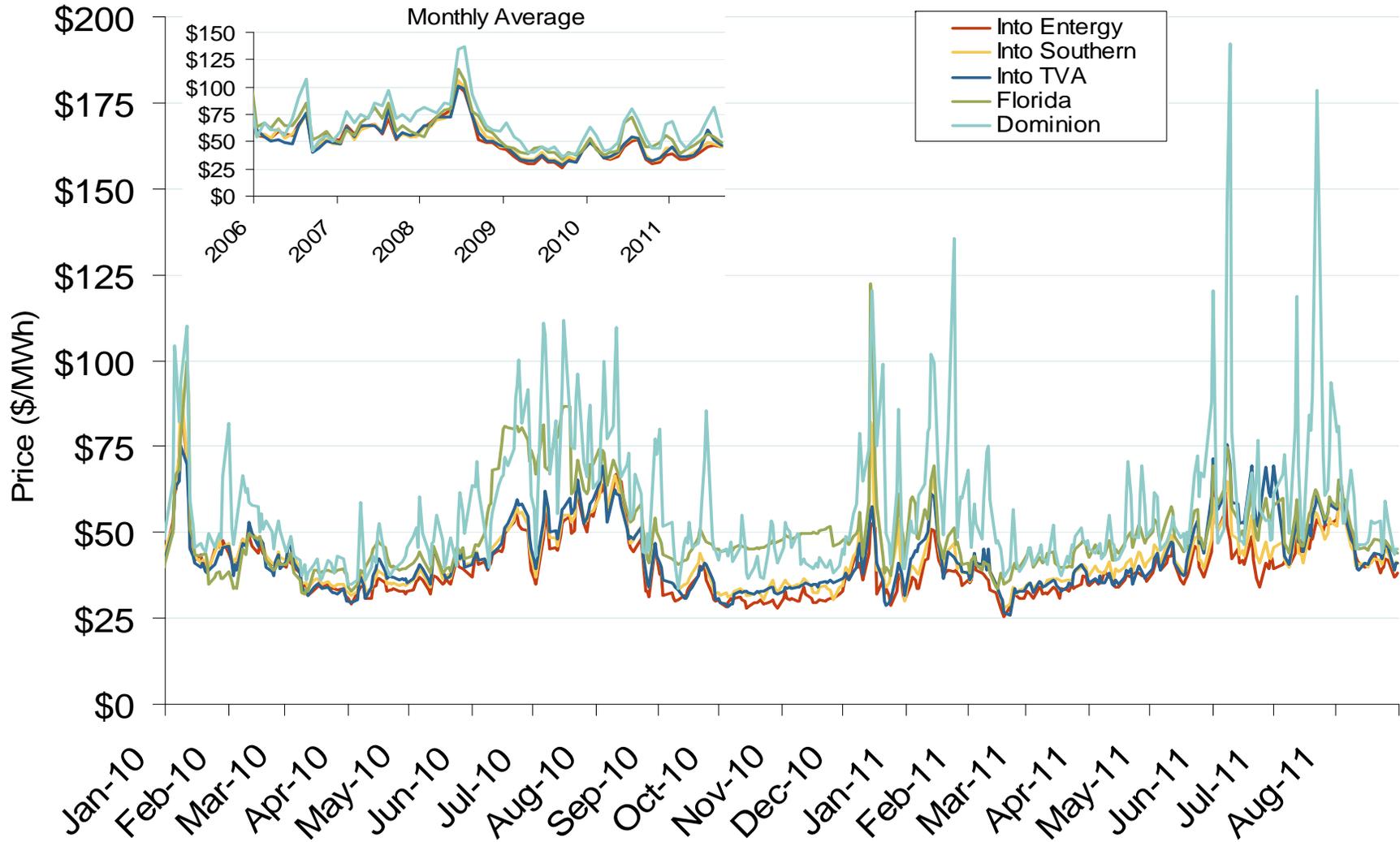
Weekly Power Generation & Temps. - South Central



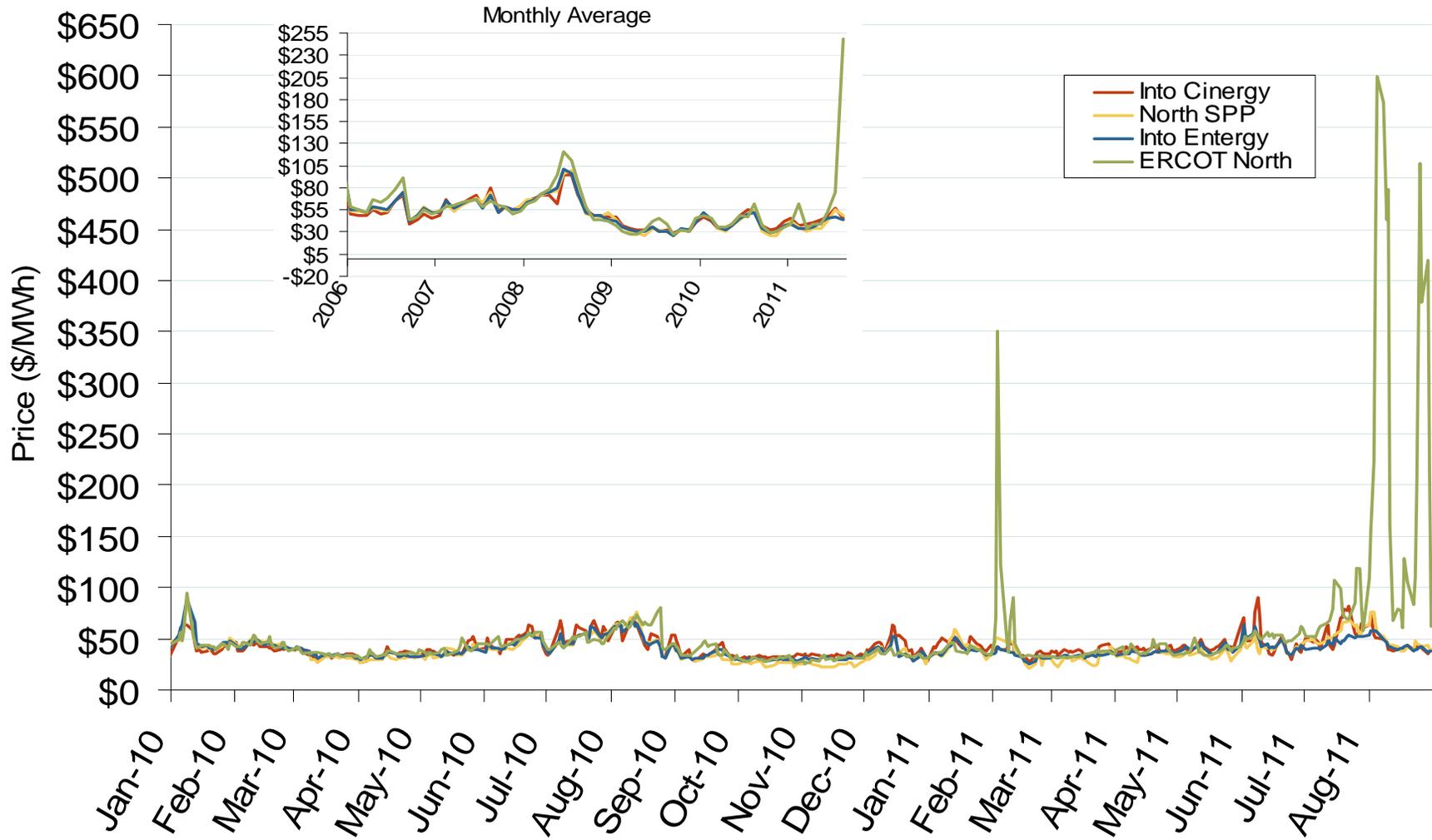
Southeastern Daily Bilateral Day-Ahead On-Peak Prices



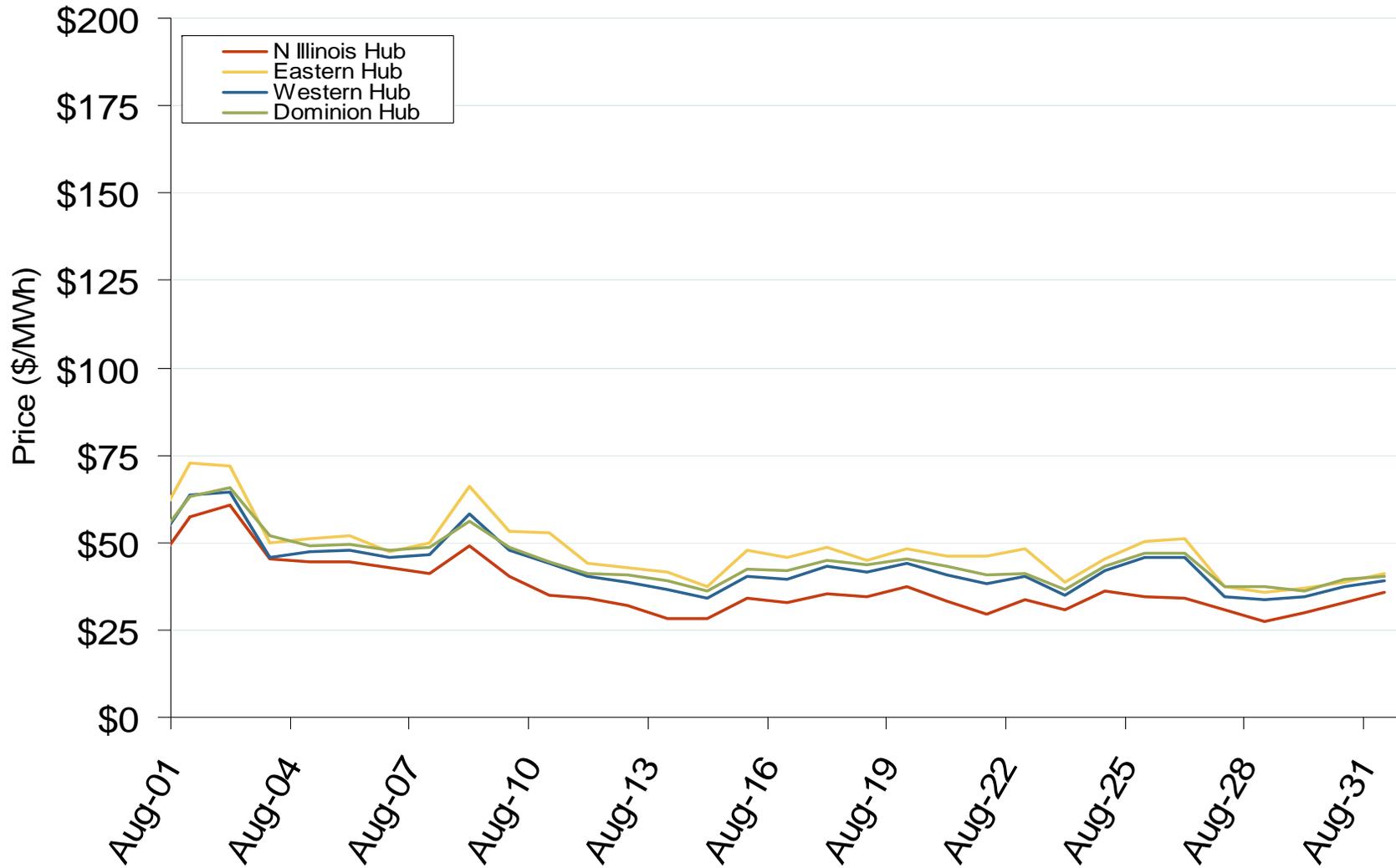
Southeastern Daily Bilateral Day-Ahead On-Peak Prices



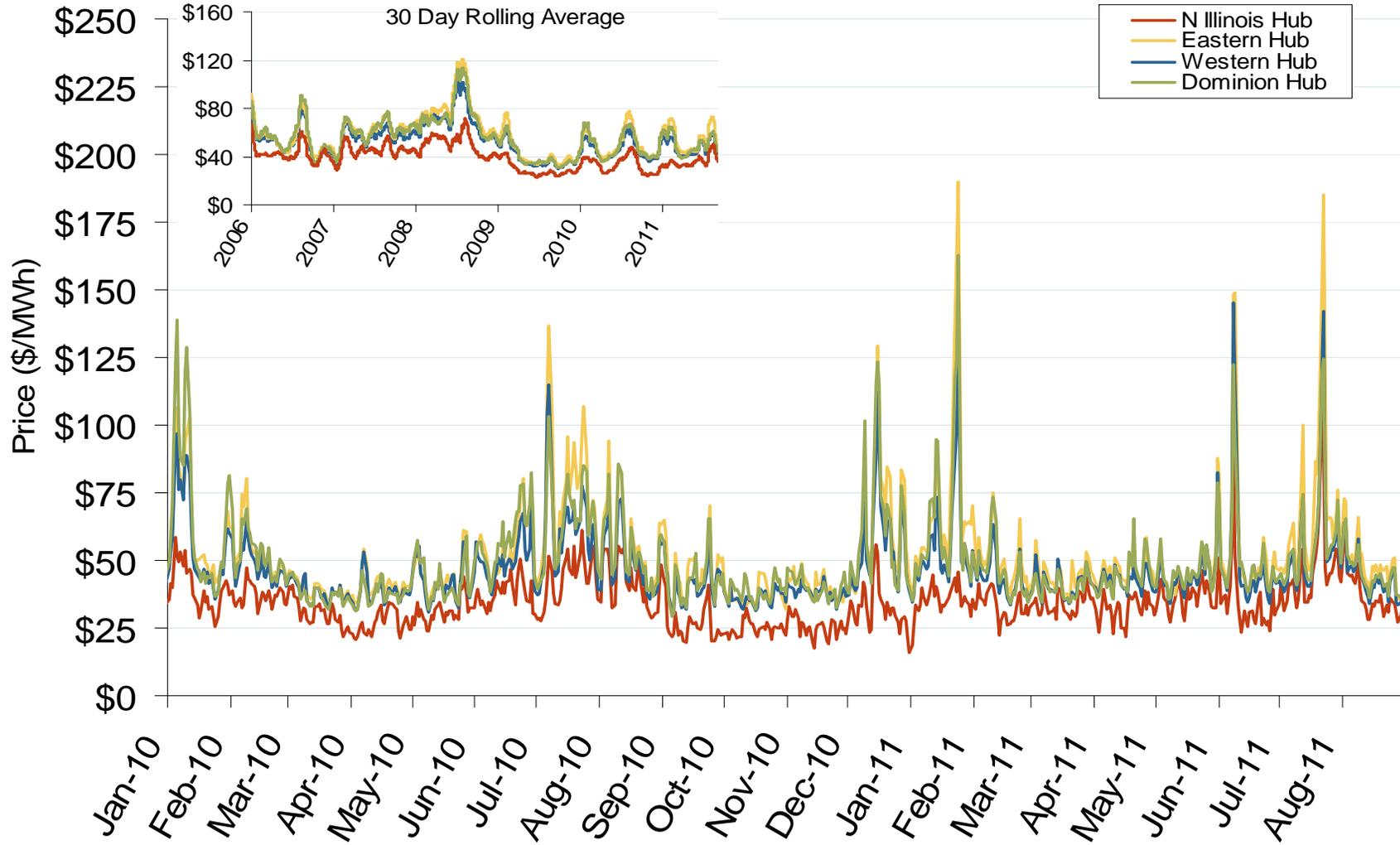
Midwestern Daily Bilateral Day-Ahead On-Peak Prices



Daily Average of PJM Day-Ahead Prices - All Hours



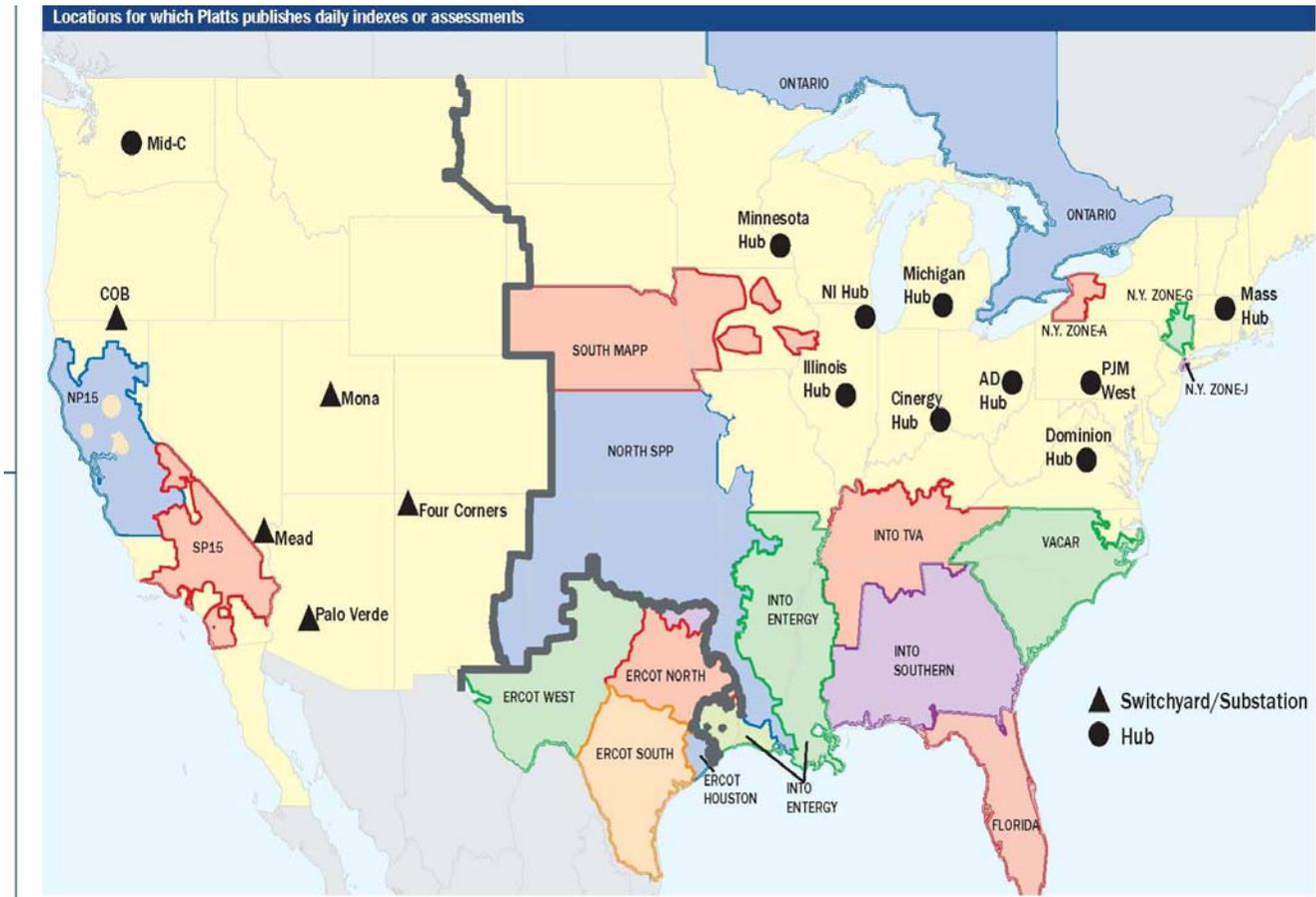
Daily Average of PJM Day-Ahead Prices - All Hours



ICE Trading Volumes for Southeastern Hubs

	Trade Date	Begin Date	End Date	High	Low	Avg.	Vol. (MWH)	# Deals	# Cparties
SoCo Peak	7/1/2011	7/5/2011	7/5/2011	47.00	46.60	46.75	1600.00	2	4
	7/5/2011	7/6/2011	7/6/2011	40.00	40.00	40.00	800.00	1	2
	7/6/2011	7/7/2011	7/7/2011	42.00	42.00	42.00	800.00	1	2
	7/7/2011	7/8/2011	7/8/2011	39.50	39.50	39.50	800.00	1	2
	7/11/2011	7/12/2011	7/12/2011	53.00	53.00	53.00	800.00	1	2
	7/13/2011	7/14/2011	7/14/2011	43.25	42.00	42.42	2400.00	3	5
	7/15/2011	7/18/2011	7/18/2011	47.00	46.00	46.50	1600.00	2	4
	7/19/2011	7/20/2011	7/20/2011	50.00	50.00	50.00	800.00	1	2
	7/21/2011	7/22/2011	7/22/2011	55.00	55.00	55.00	800.00	1	2
	7/22/2011	7/25/2011	7/25/2011	50.00	50.00	50.00	800.00	1	2
	7/27/2011	7/28/2011	7/28/2011	56.00	53.50	54.50	2400.00	3	3
	7/28/2011	7/29/2011	7/29/2011	53.25	53.25	53.85	800.00	1	2
Entergy Peak	7/6/2011	7/7/2011	7/7/2011	39.00	39.00	39.00	800.00	1	2
	7/29/2011	8/1/2011	8/1/2011	55.00	51.00	52.67	2400.00	3	5
Entergy Off-peak	7/13/2011	7/14/2011	7/14/2011	23.50	23.50	4.60	400.00	1	2

Platts Index and Assessment Locations

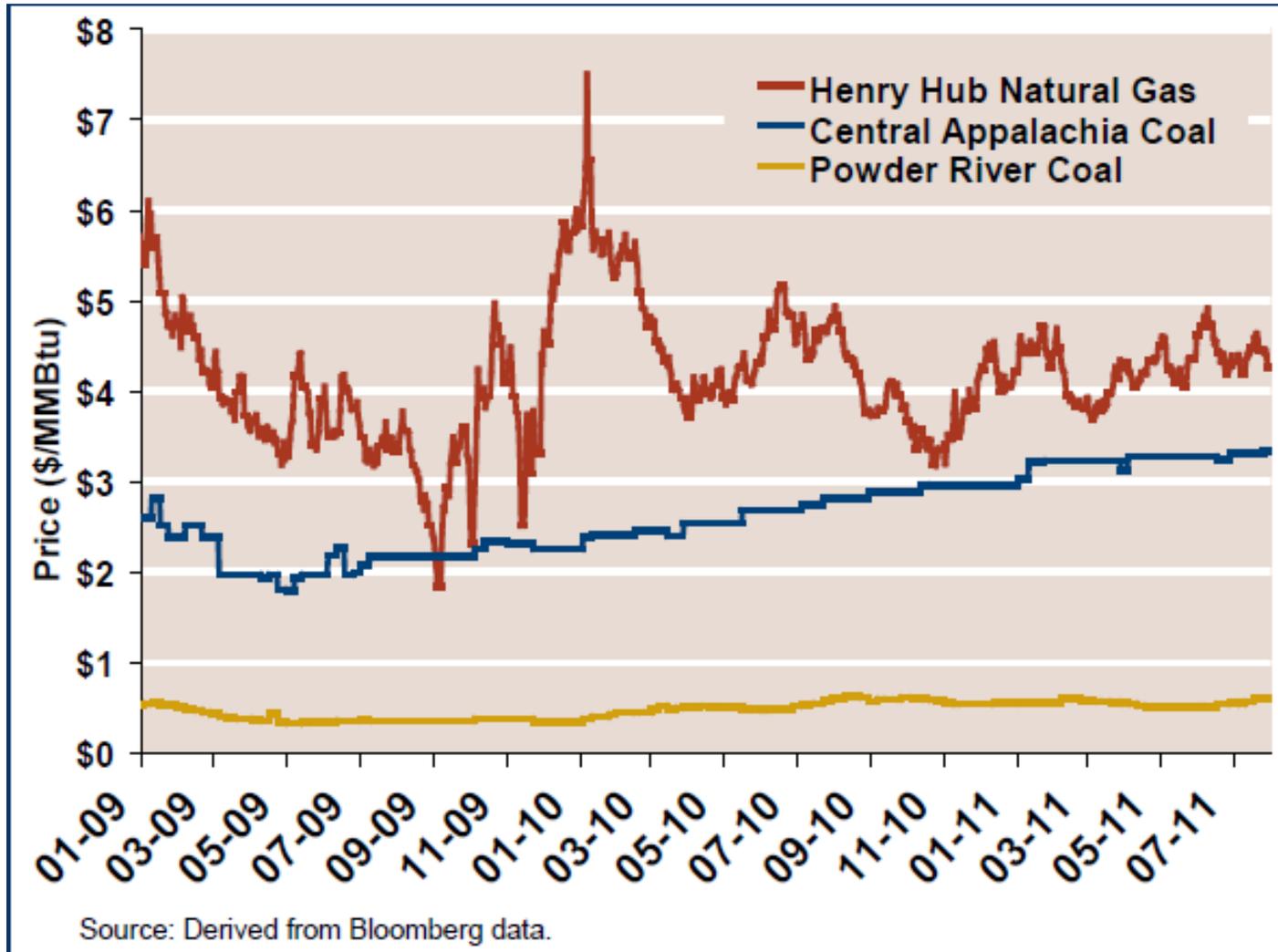


Average Retail Electric Prices

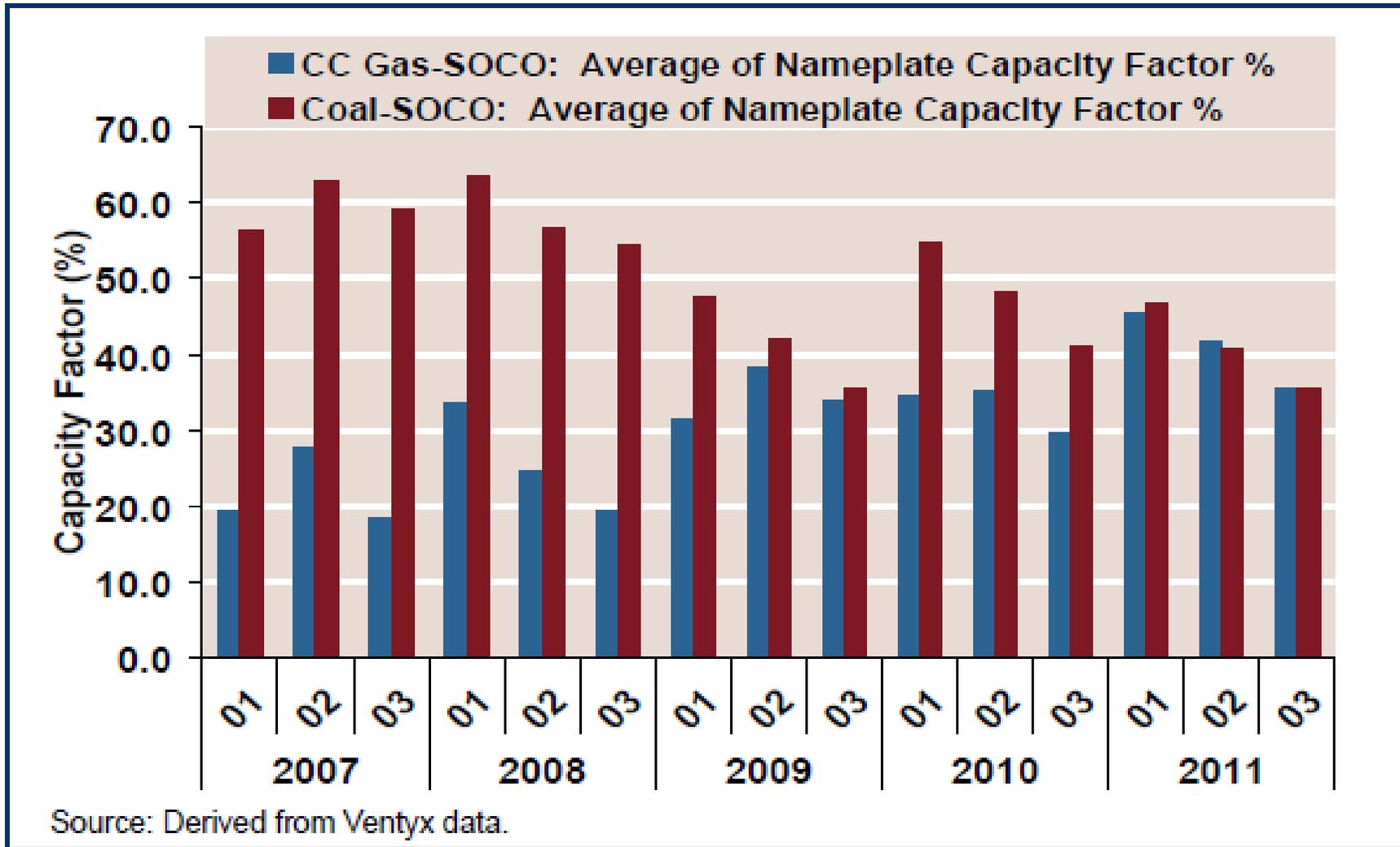
May 2011 and 2010
Cents per Kilowatt-hours

	May-11	May-10
Florida	10.79	10.68
Georgia	9.54	8.64
North Carolina	8.43	8.51
South Carolina	8.73	8.19
Virginia	8.61	8.58
Alabama	9.19	8.93
Kentucky	7.37	6.53
Mississippi	8.81	8.71
Tennessee	8.76	8.57
Arkansas	7.25	7.15
Louisiana	7.61	7.52
Oklahoma	7.51	7.54
Texas	9.05	9.3
U.S. Average	9.87	9.79

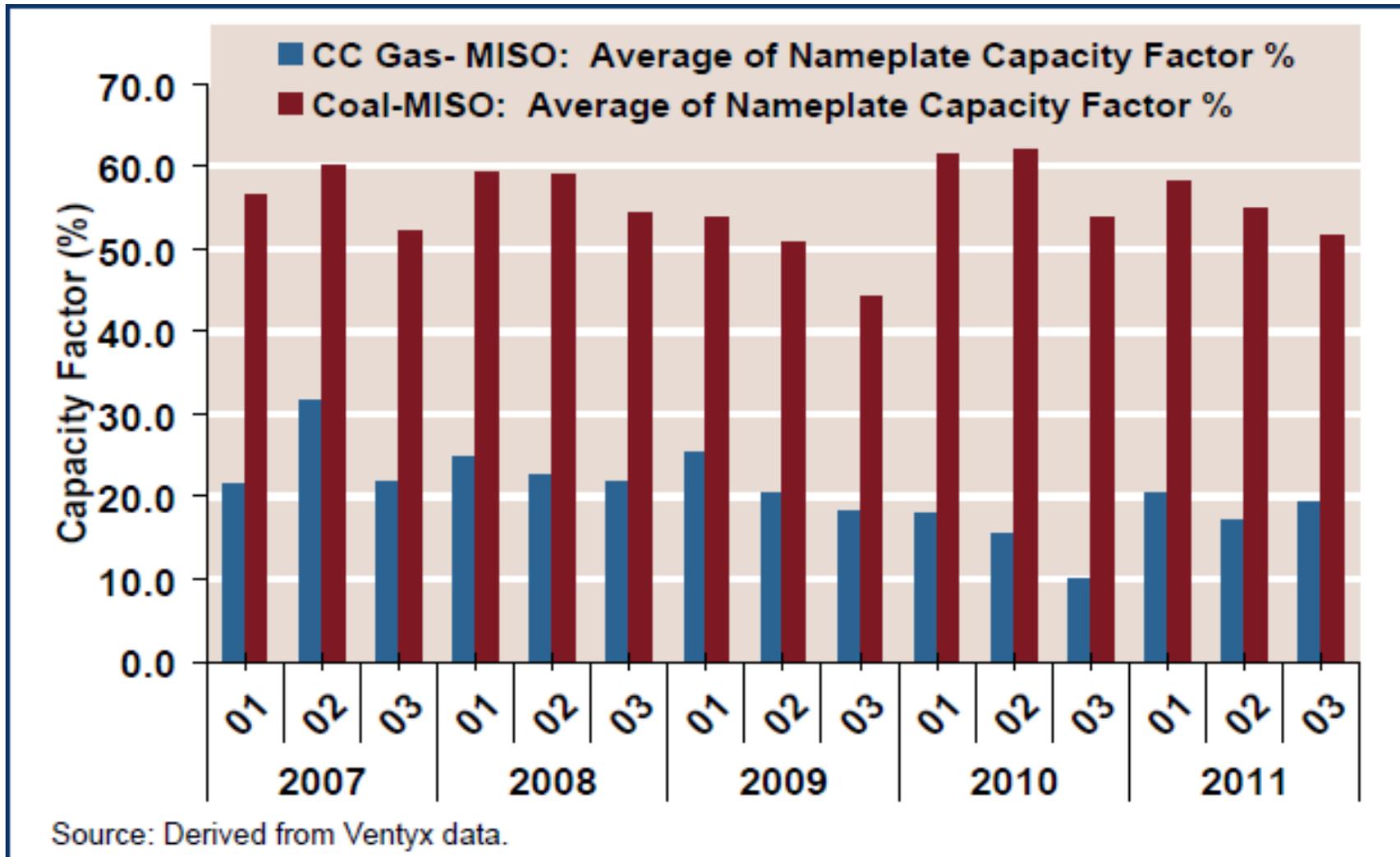
Natural Gas and Appalachian Coal Price Spreads Narrow Since 2009



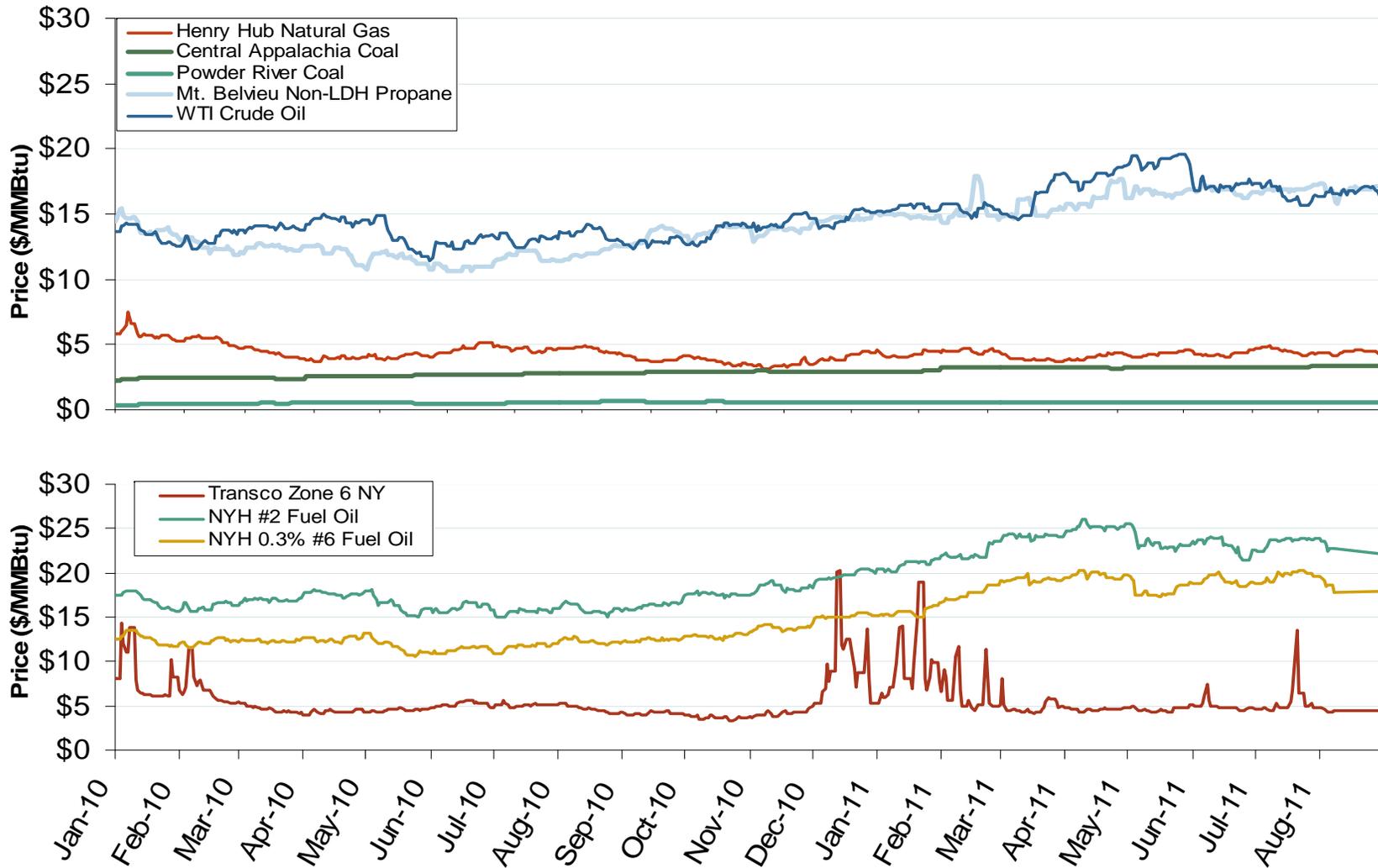
Combined Cycle and Coal Power Plant Capacity Factors Converge in Southern Company Market



Combined Cycle and Coal Power Plant Capacity Factors Show Little Change In MISO

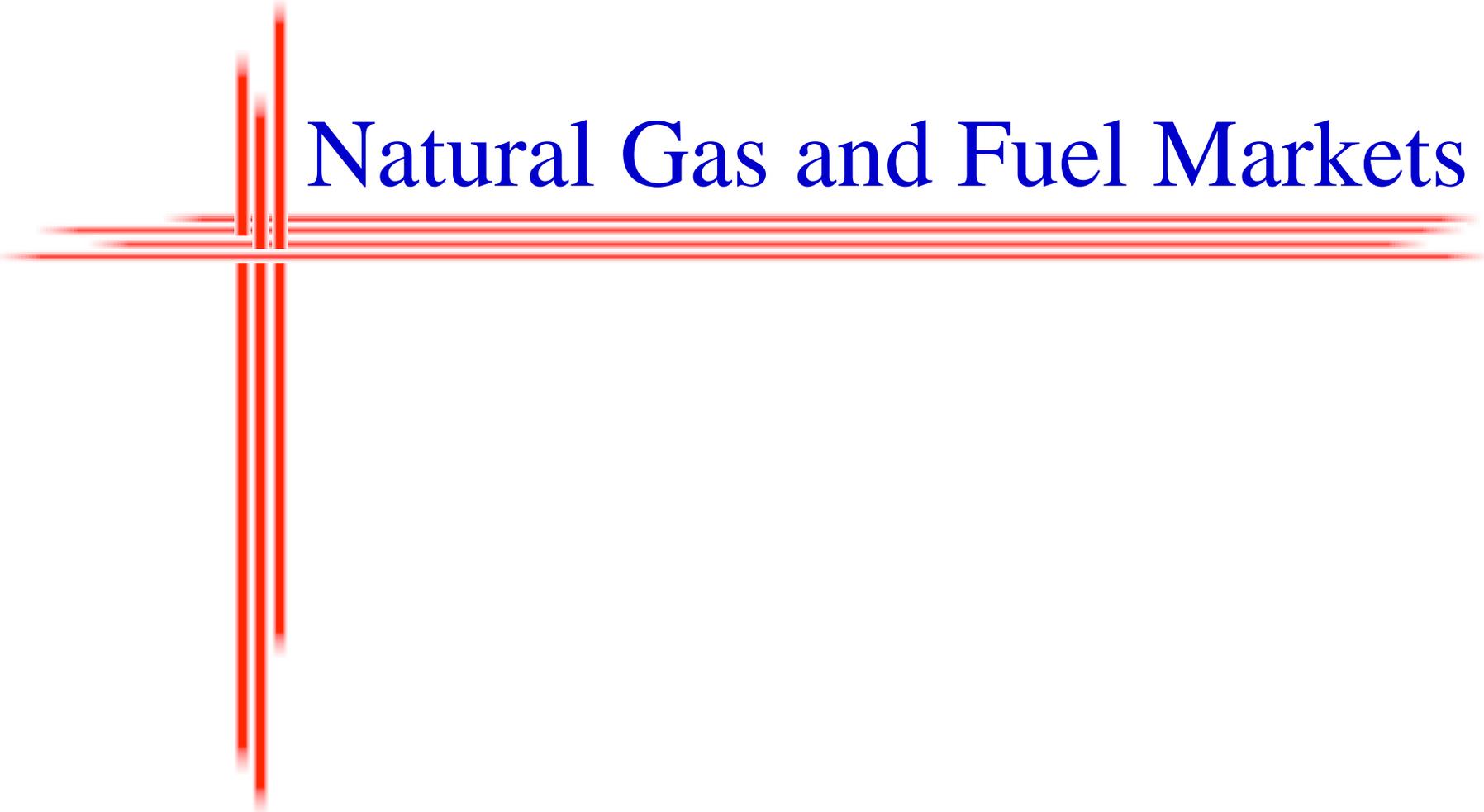


Oil, Coal, Natural Gas and Propane Daily Spot Prices



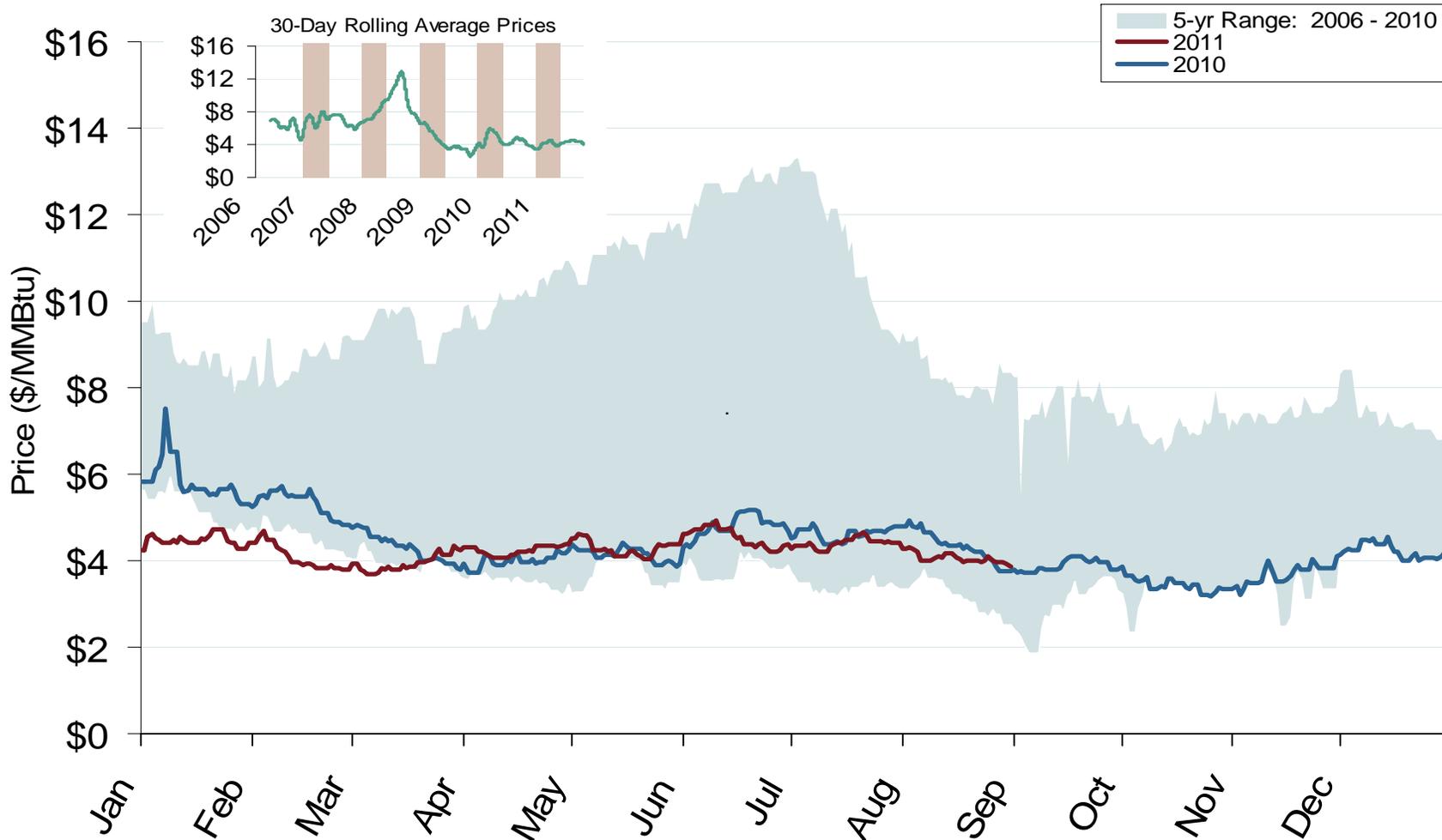
Notes: Coal prices are quoted in \$/ton. Conversion factors to \$/MMBtu are based on contract specifications of 12,000 btus/pound for Central Appalachian coal and 8800 btus/pound for Powder River Basin coal

Source: Derived from ICE and Bloomberg data

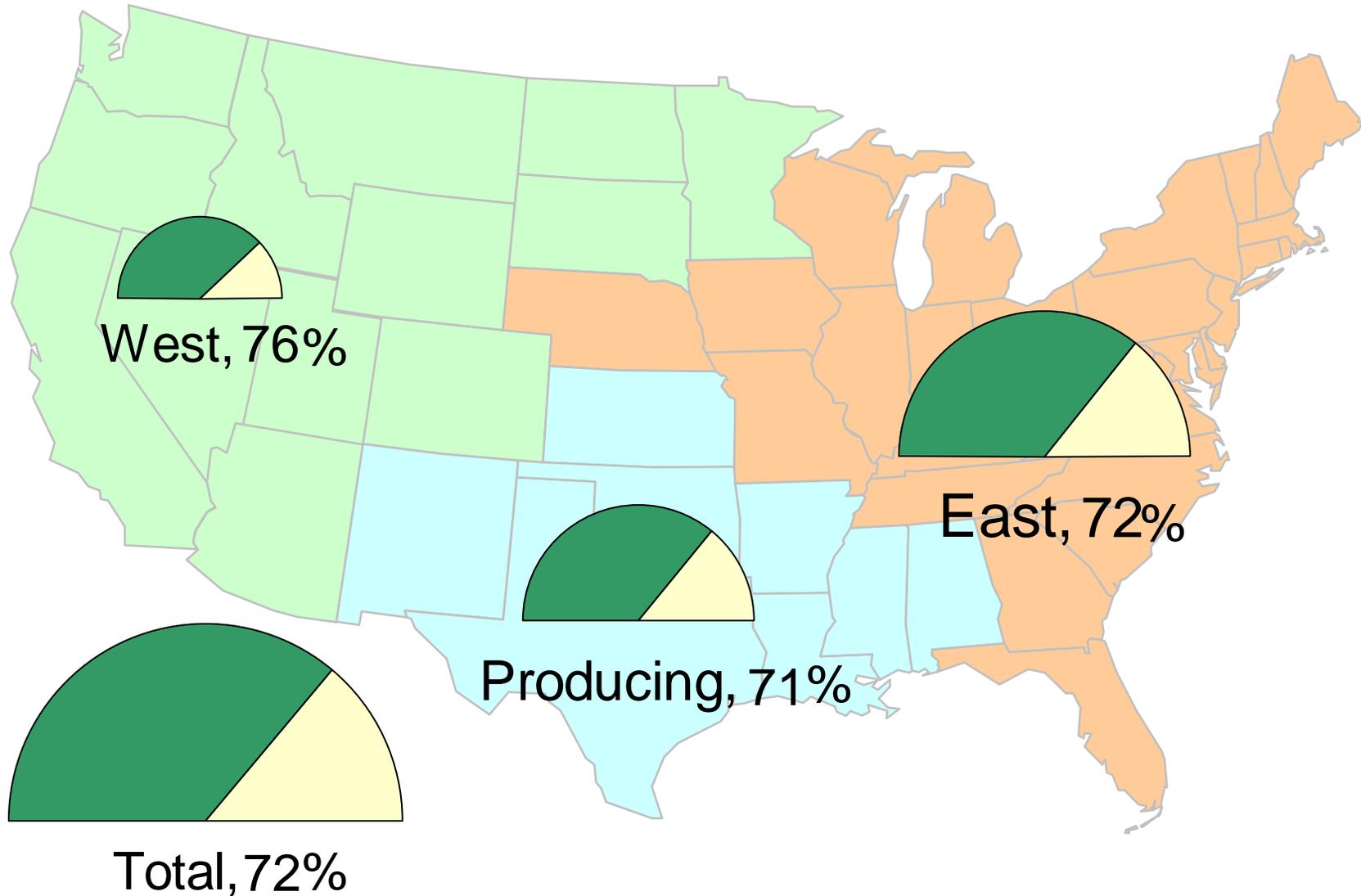
A decorative graphic consisting of several overlapping red lines. A vertical line on the left side intersects with a horizontal line that spans across the page. The lines have a slight blur or glow effect.

Natural Gas and Fuel Markets

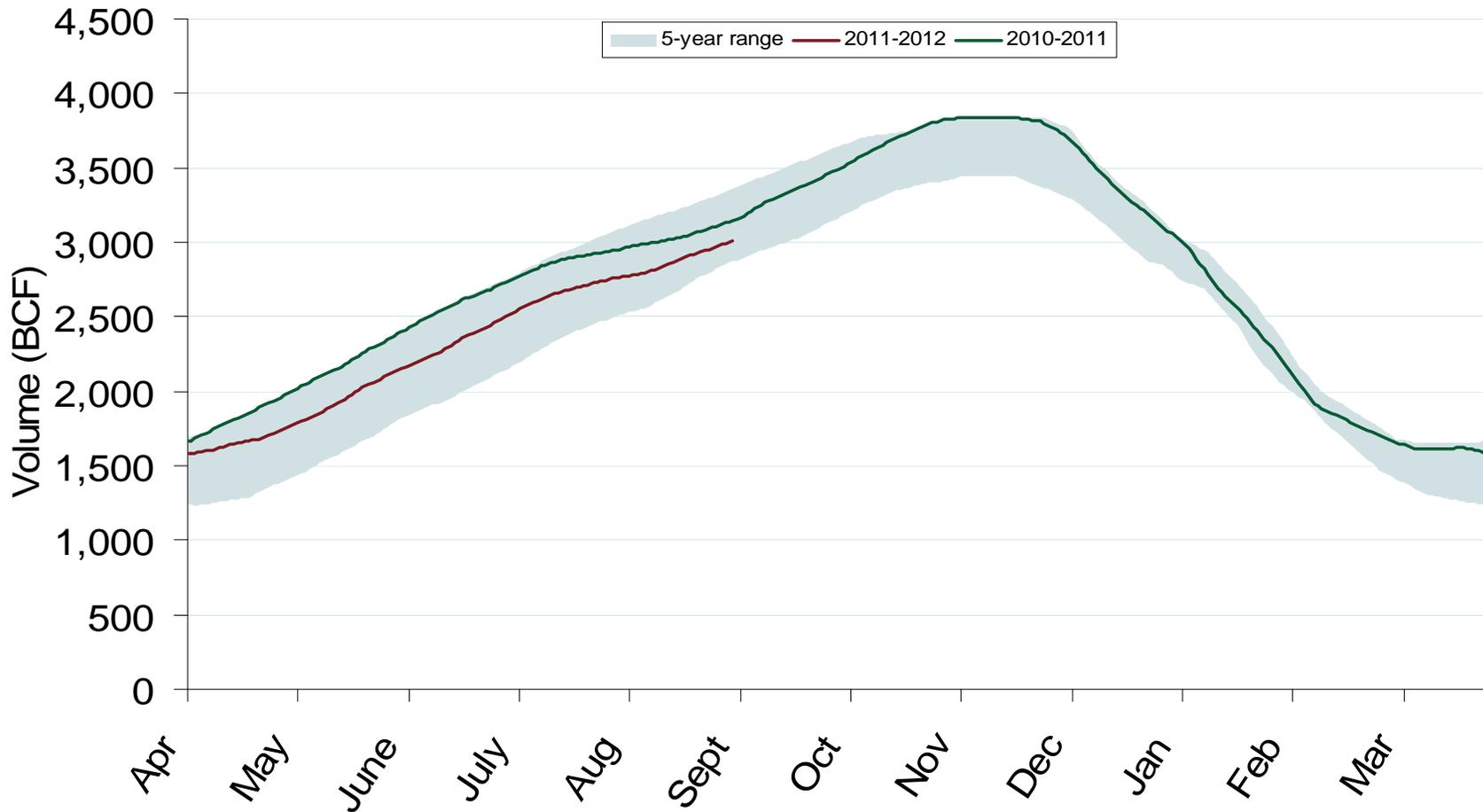
Henry Hub Natural Gas Daily Spot Prices



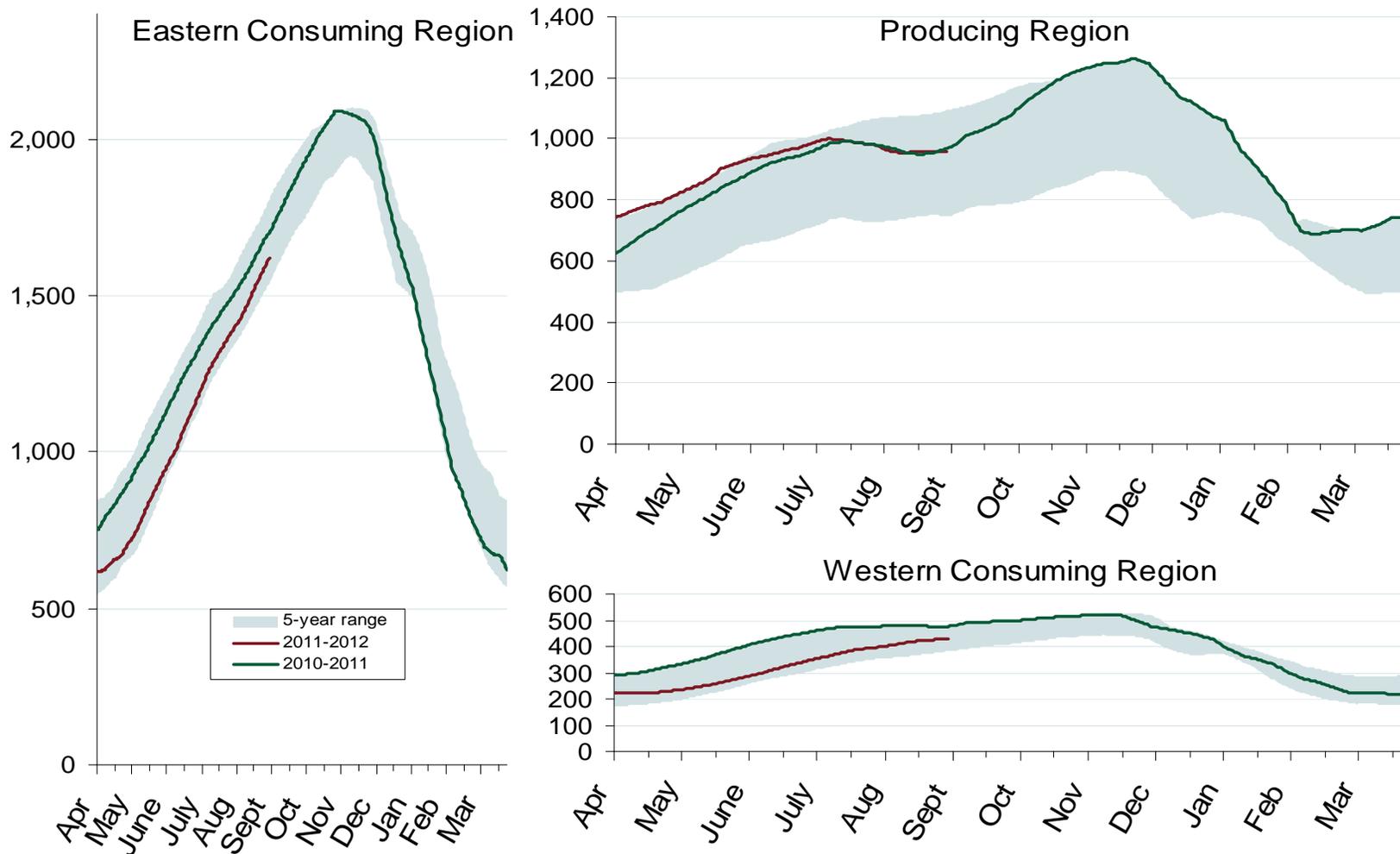
Natural Gas Storage Inventories – August 26, 2011



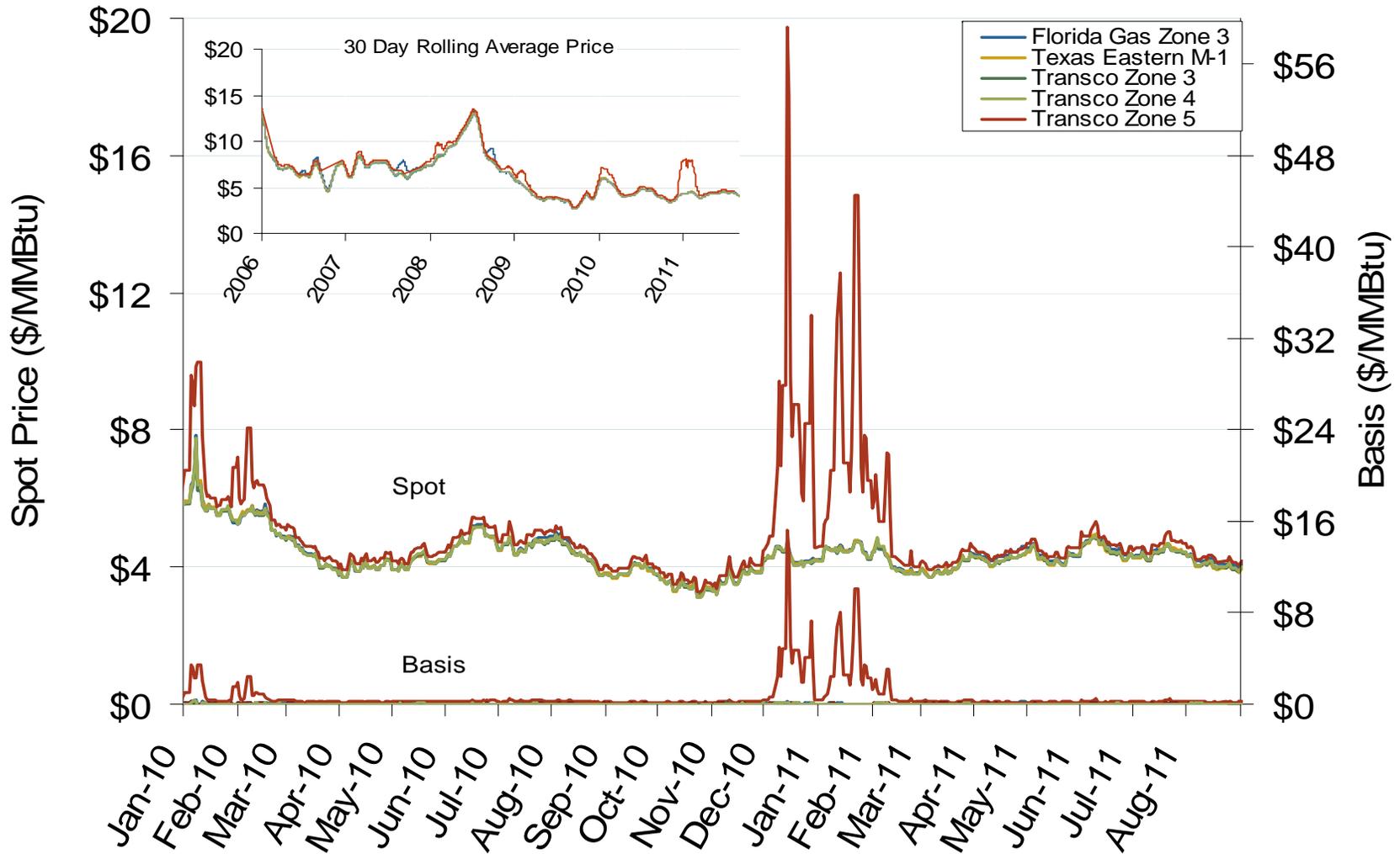
Total U.S. Working Gas in Storage



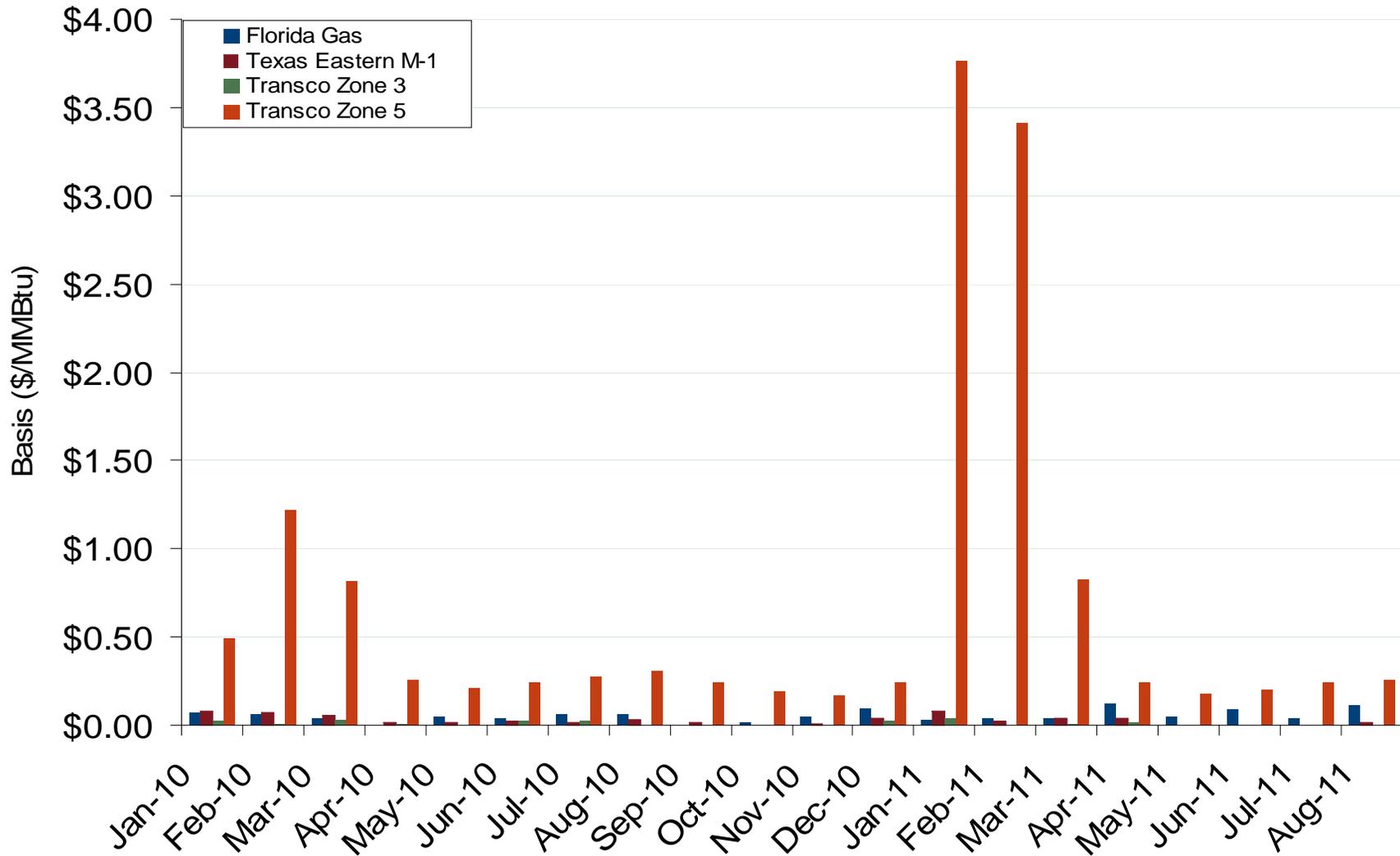
Regional Totals of Working Gas in Storage



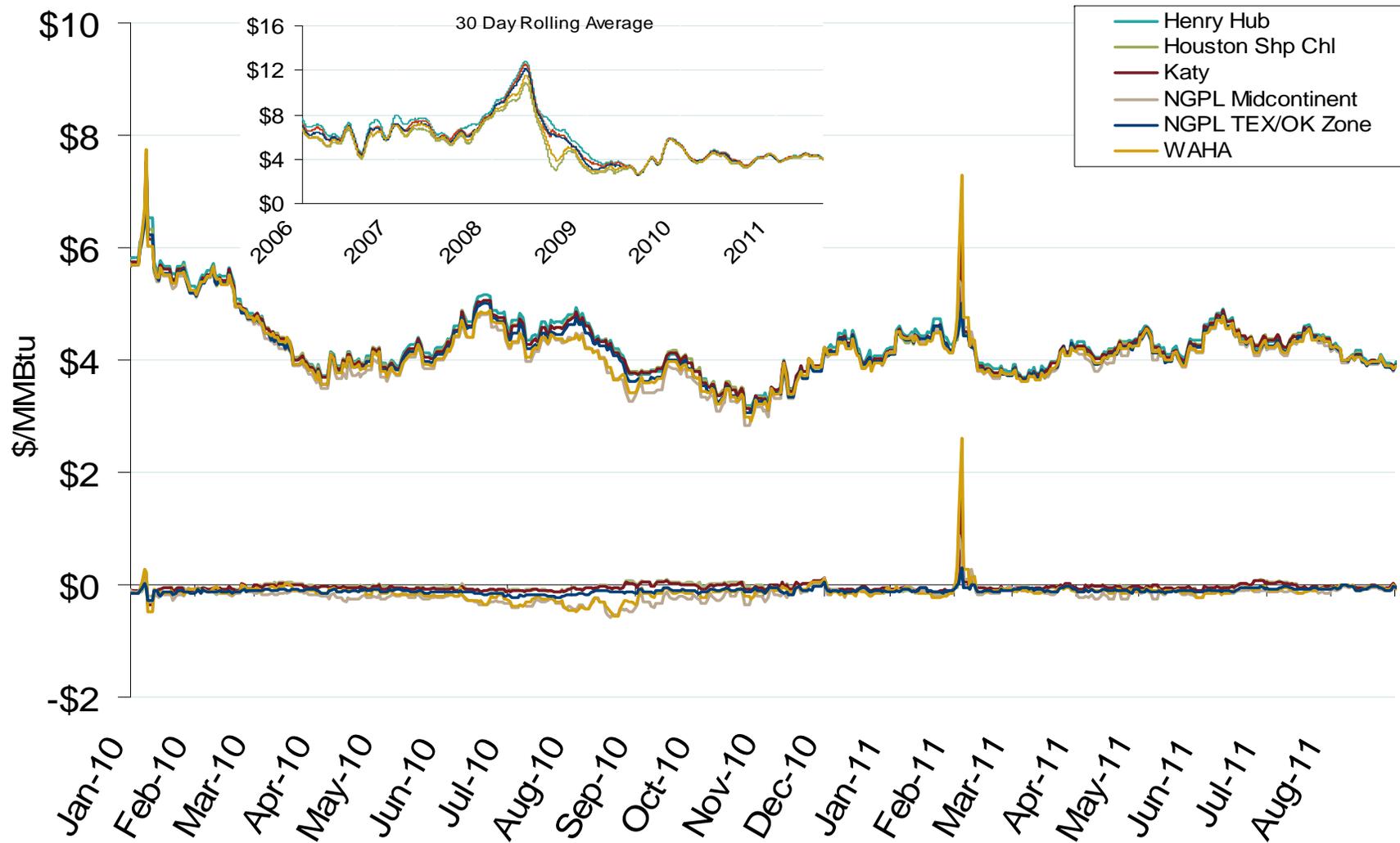
Southeastern Day-Ahead Hub Spot Prices and Basis



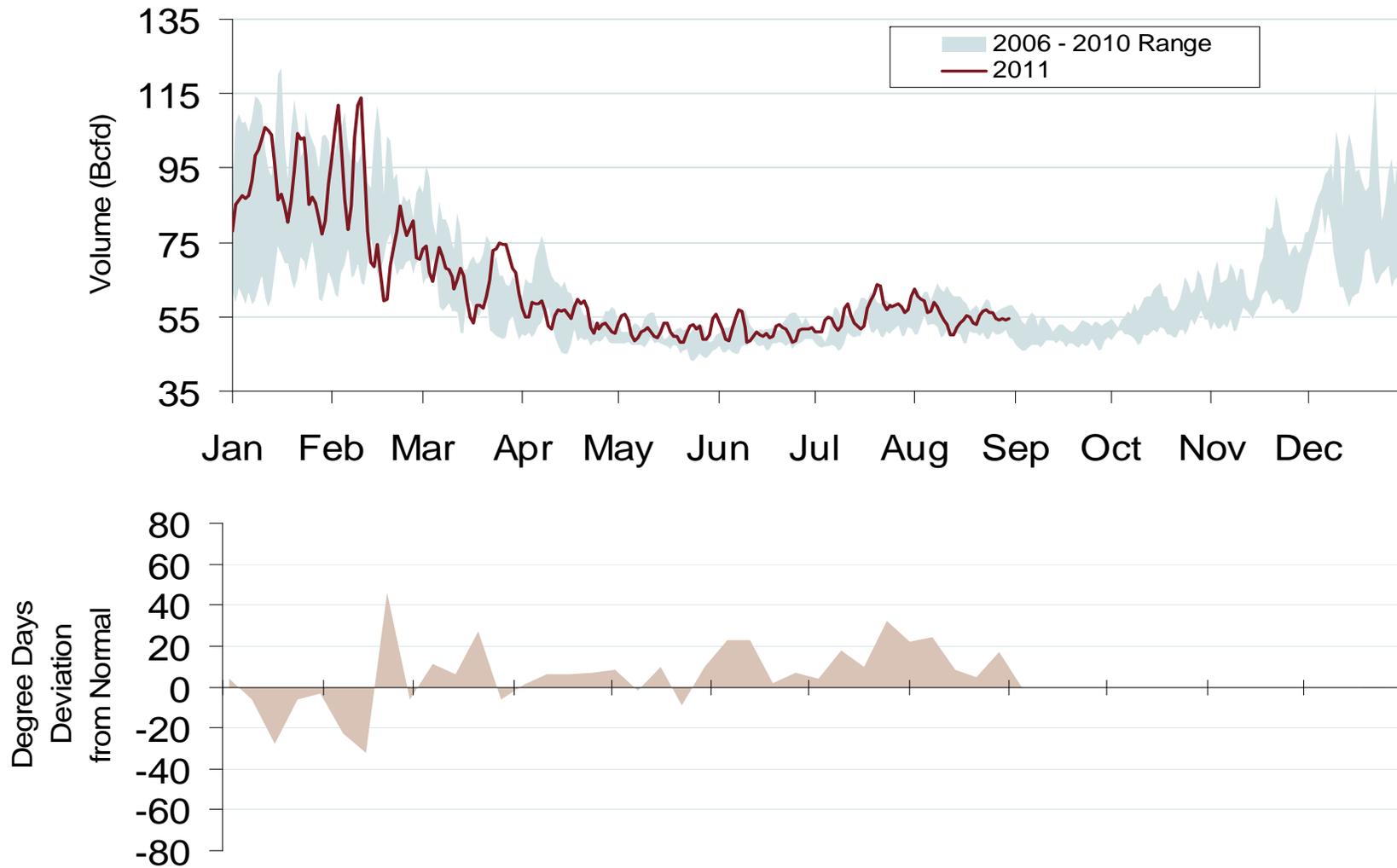
Southeastern Monthly Average Basis Value to Henry Hub



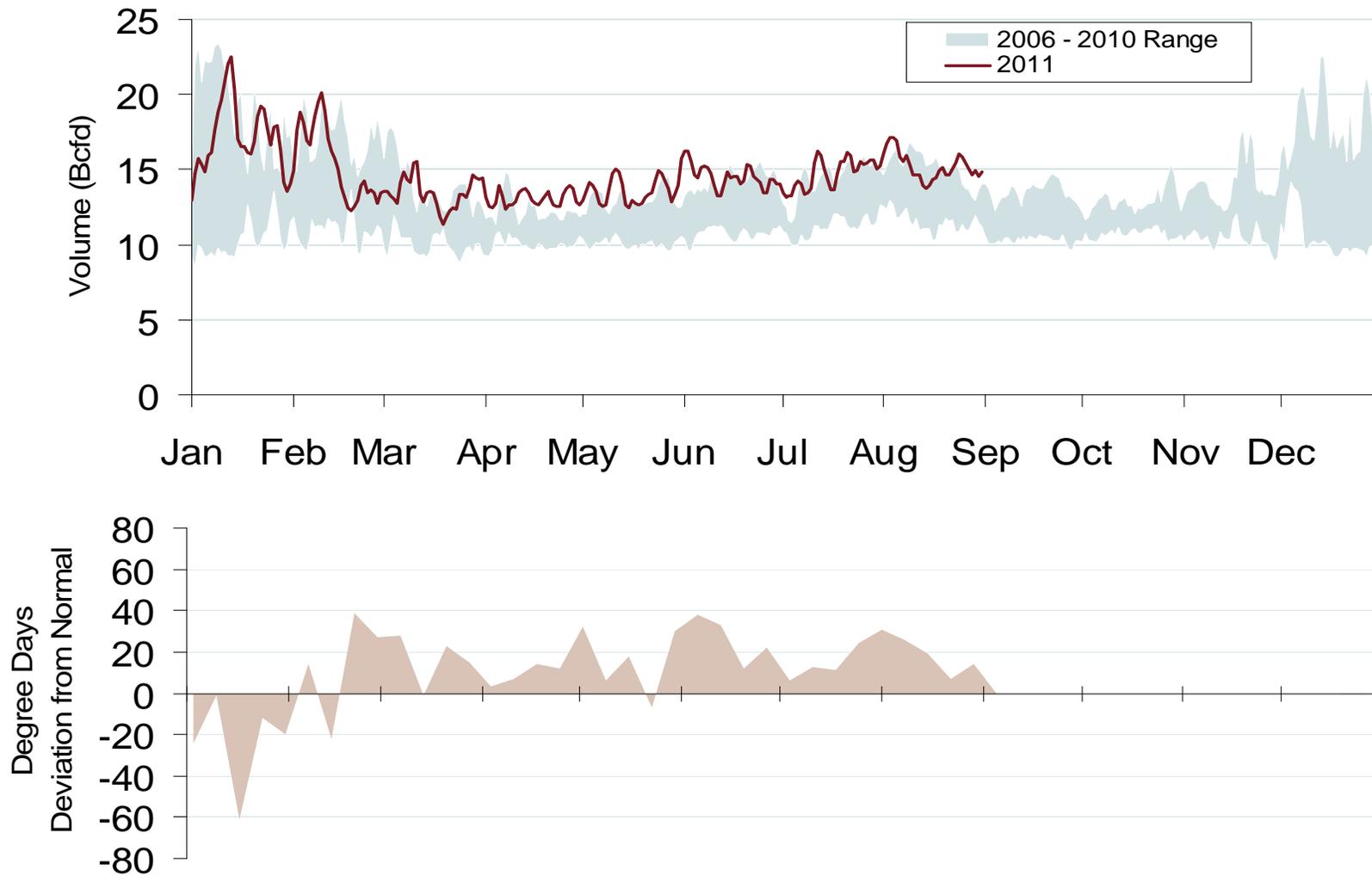
Gulf Day-Ahead Hub Spot Prices and Basis



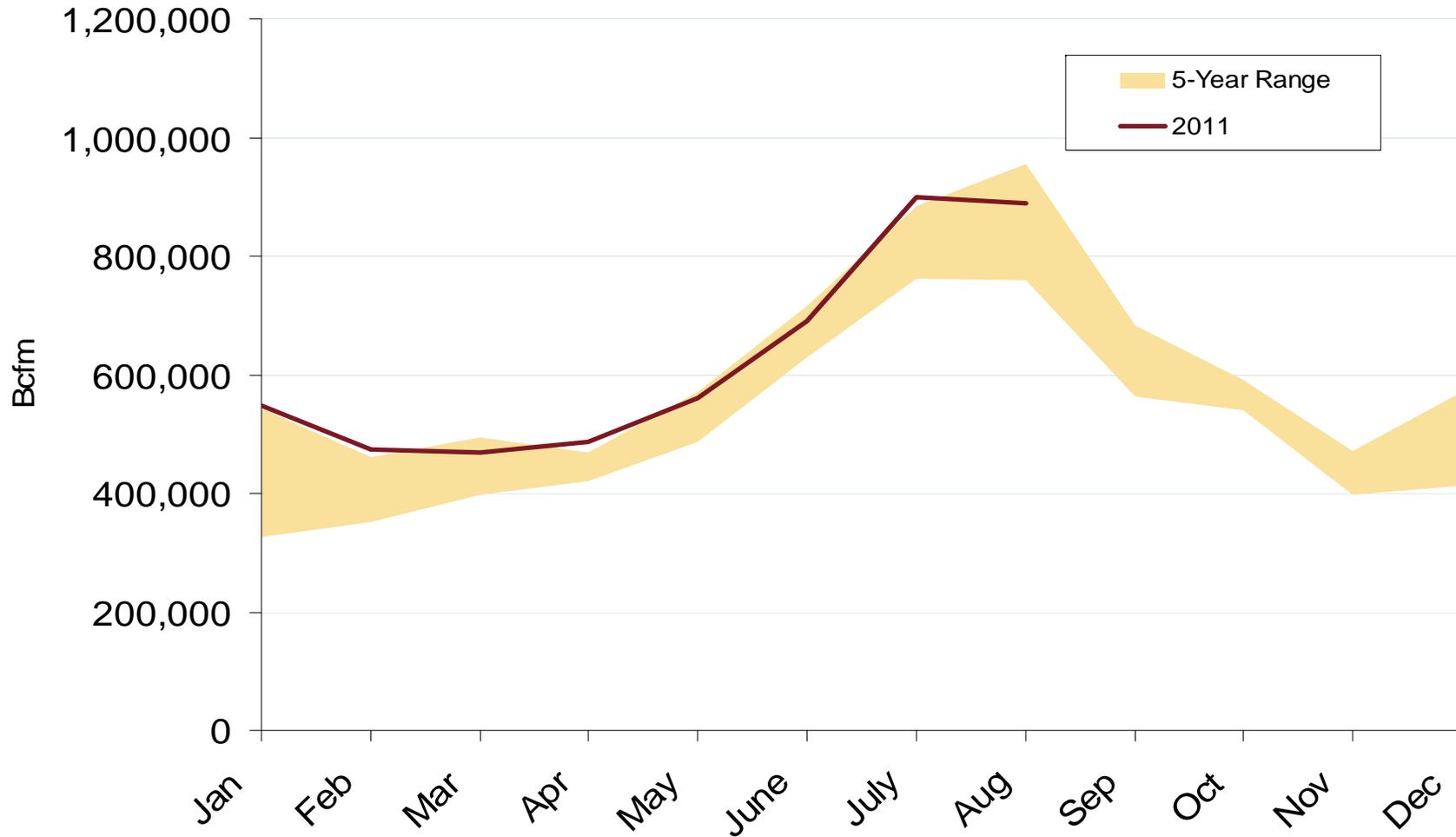
Total U.S. Natural Gas Demand (All Sectors) and Temperatures



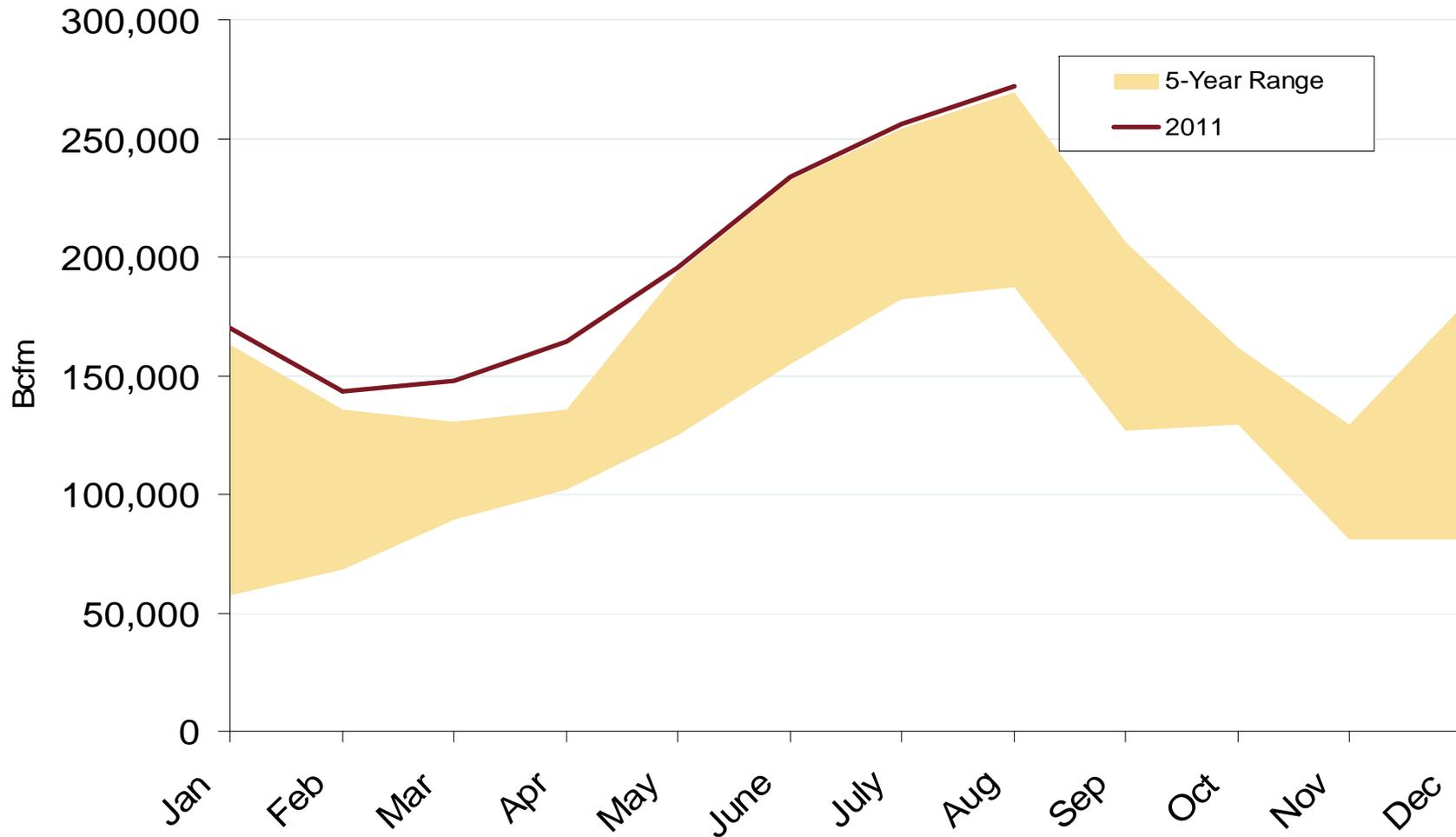
Daily Southeast Natural Gas Demand - All Sectors



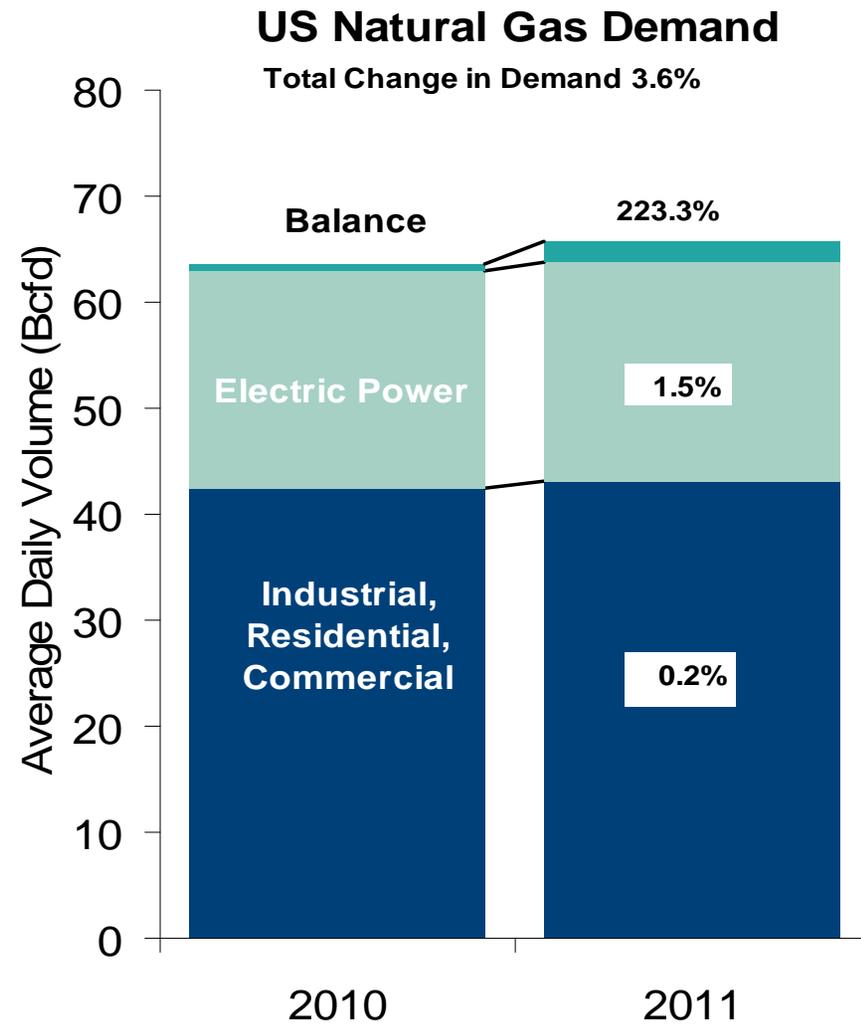
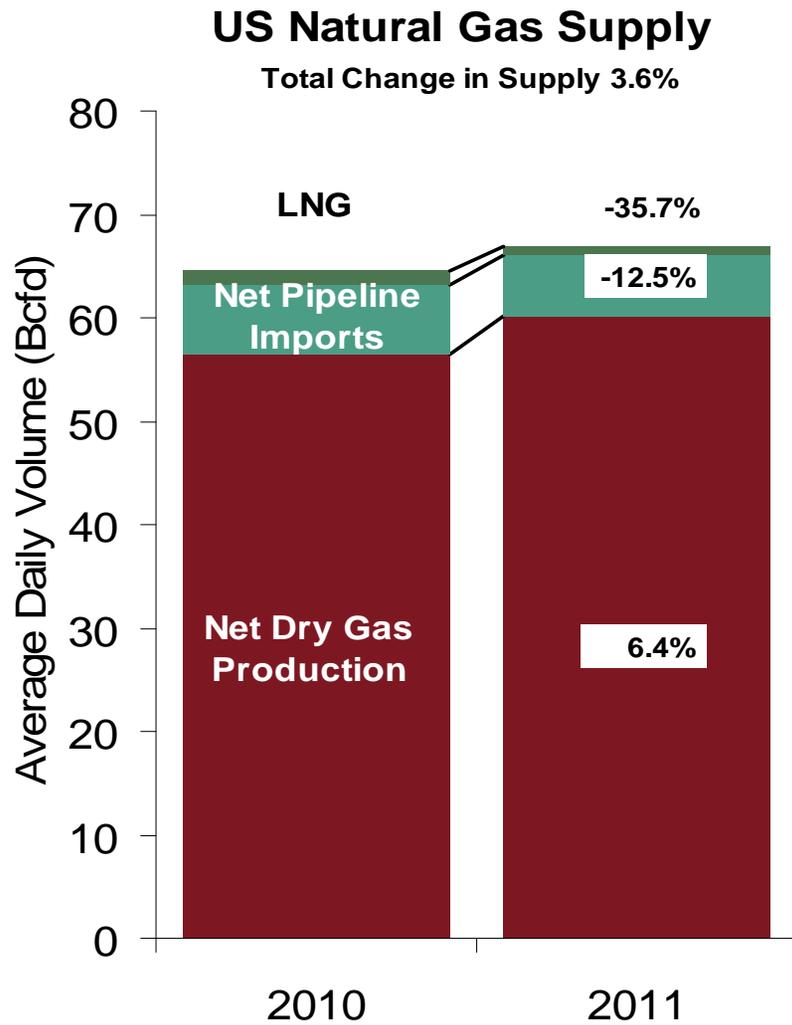
U.S. Natural Gas Consumption for Power Generation



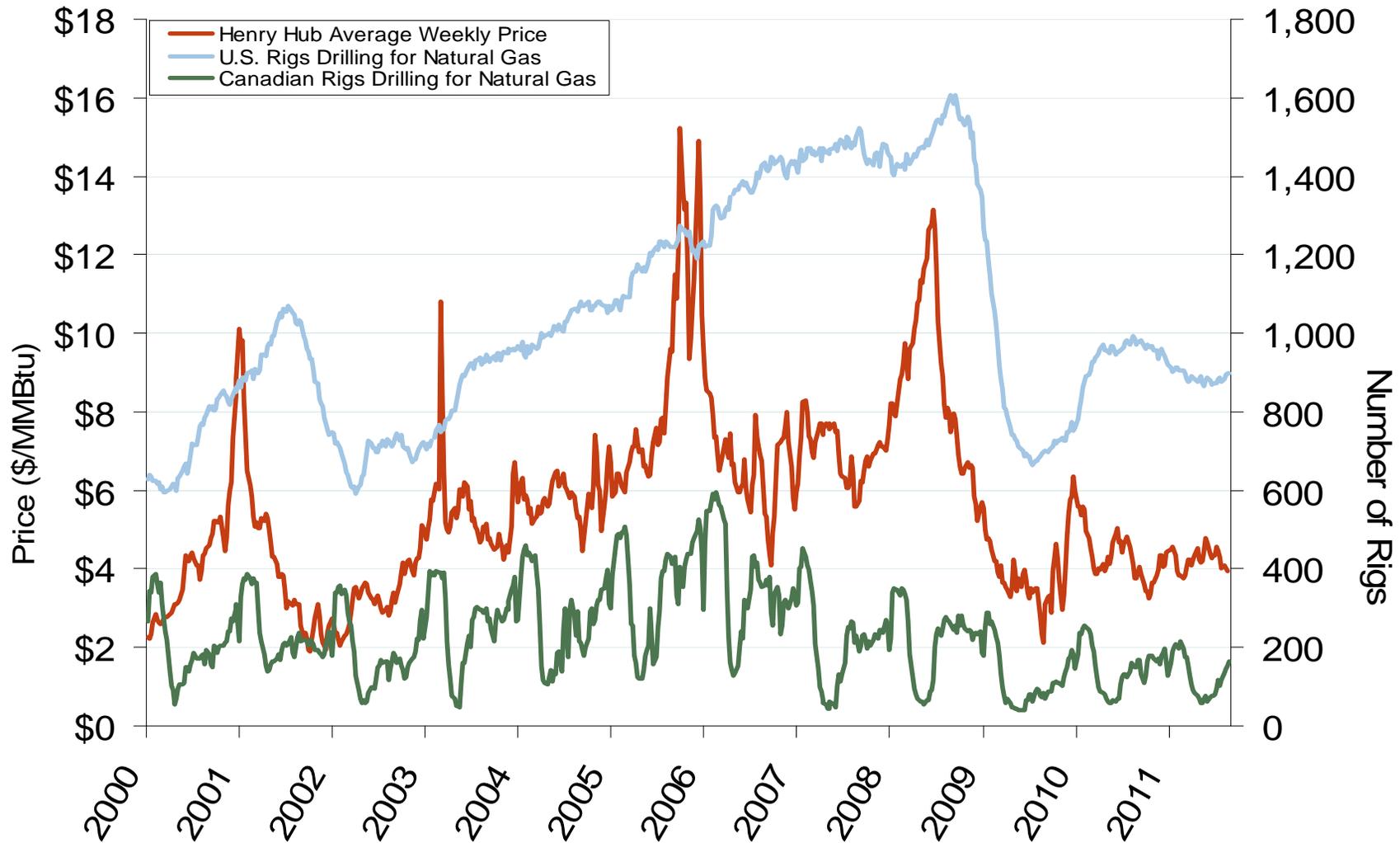
Southeast Natural Gas Consumption for Power Generation



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



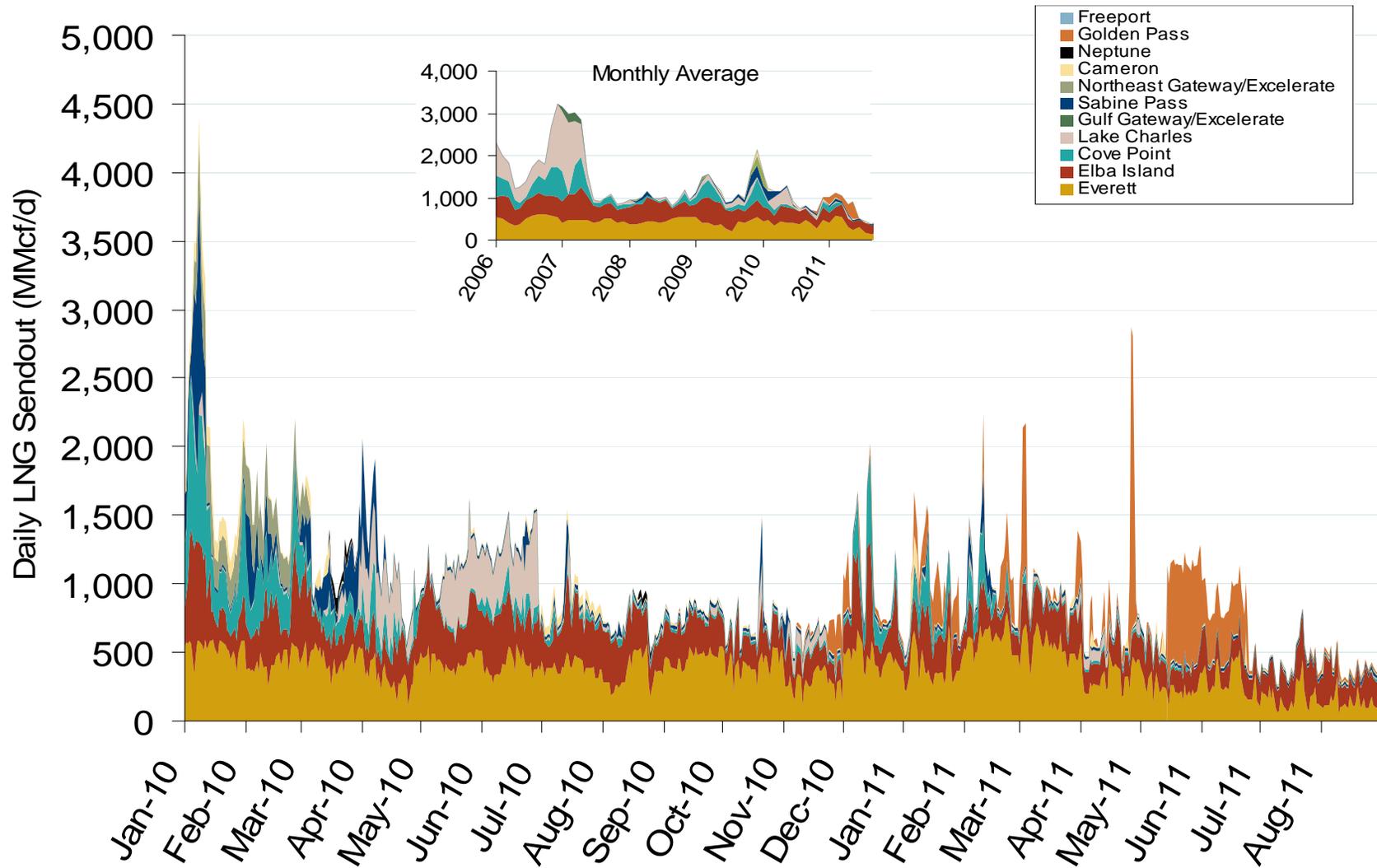
U.S. and Canadian NG Drilling Rig Count and Daily Spot Prices



World LNG Estimated October 2011 Landed Prices



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