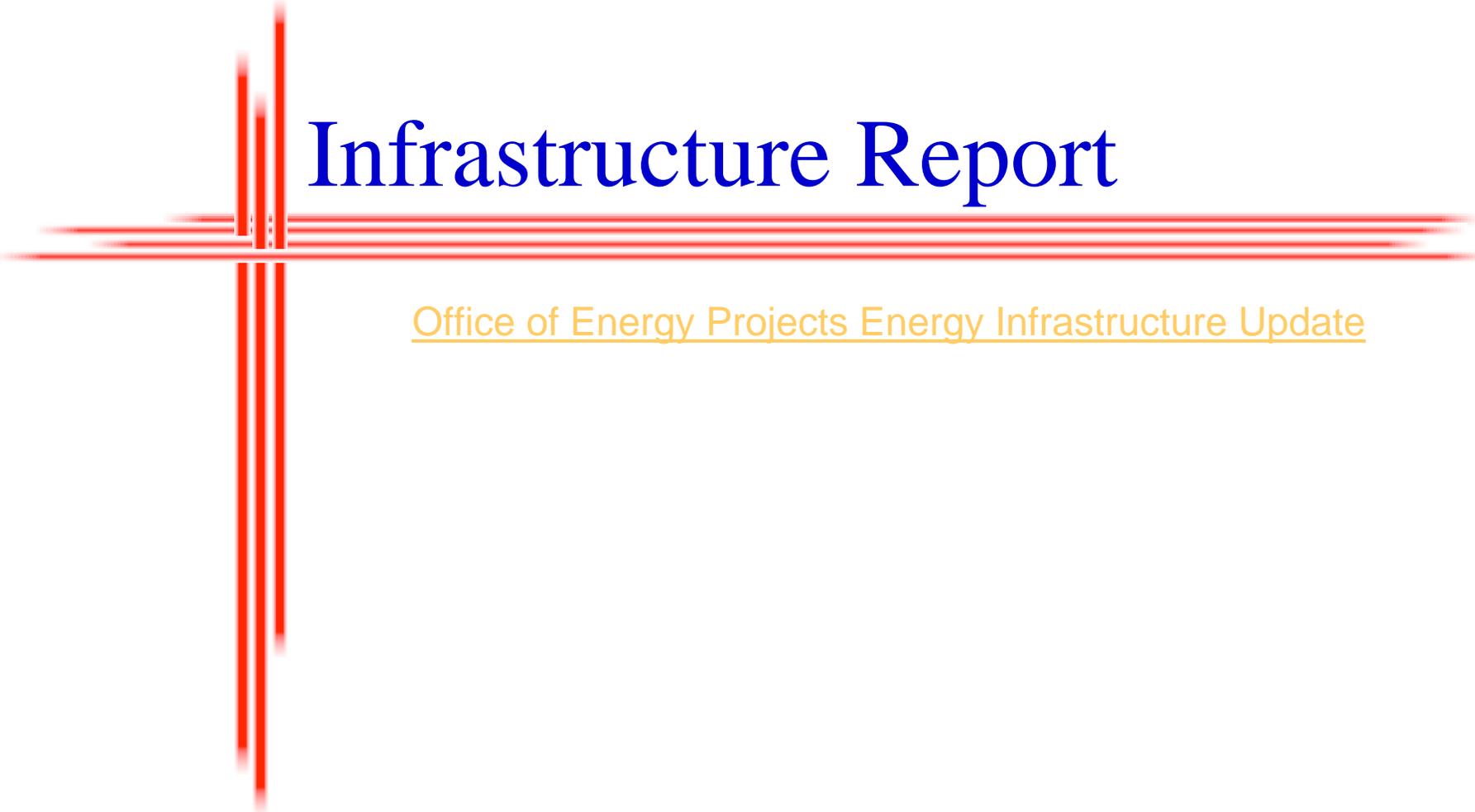


OE ENERGY MARKET SNAPSHOT

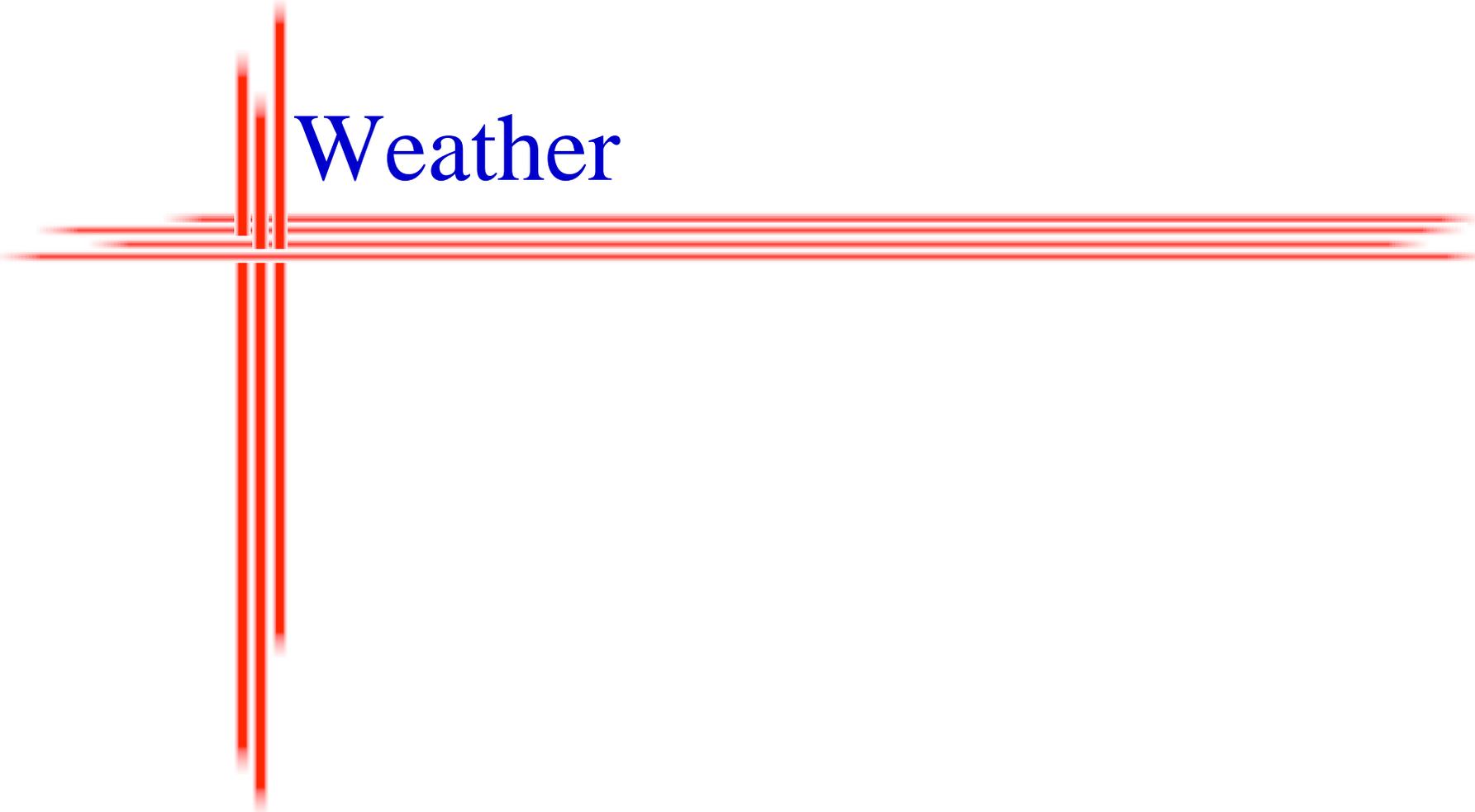
Southeast States Version – February 2013 Data

Office of Enforcement
Federal Energy Regulatory Commission
March 2013



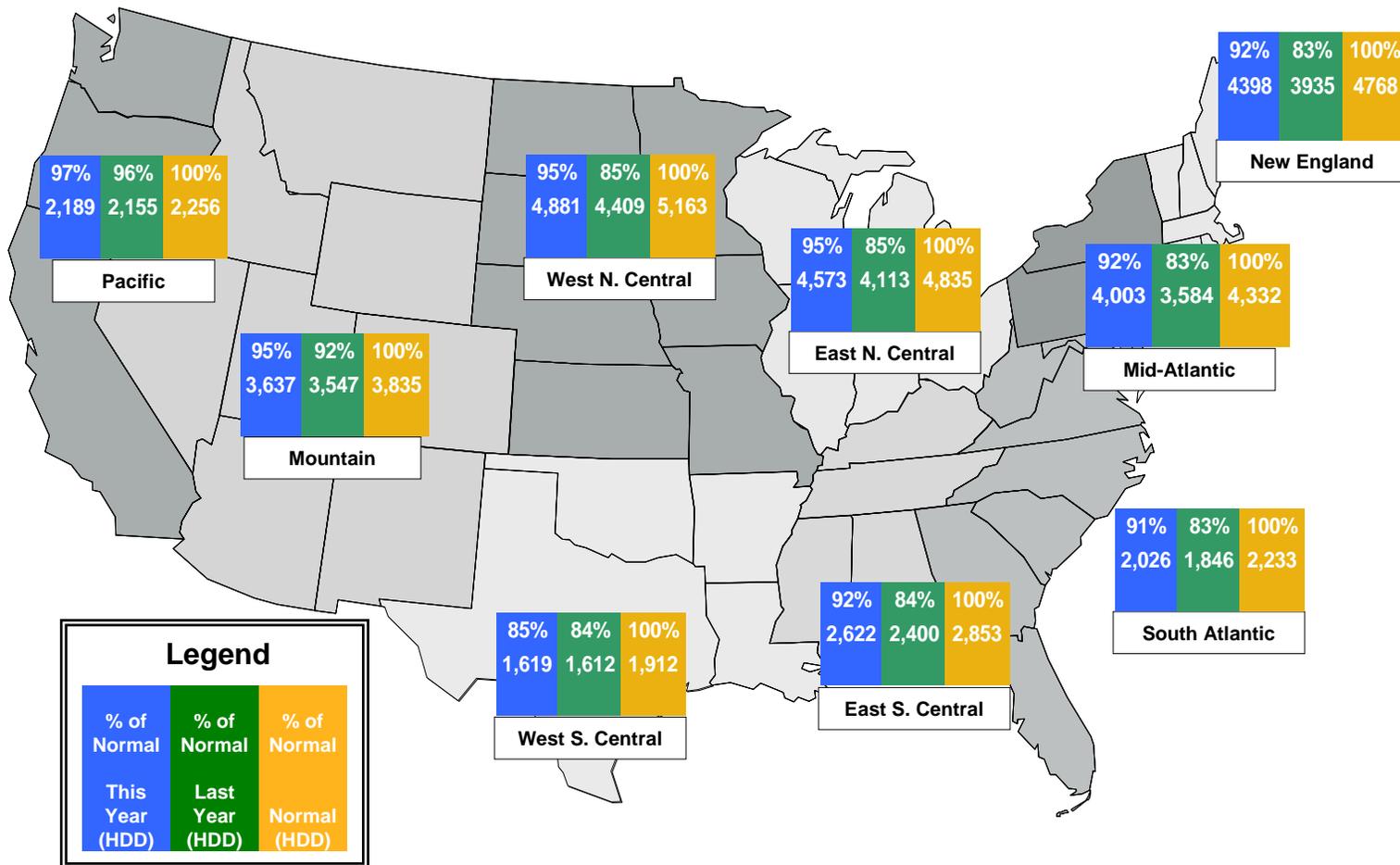
Infrastructure Report

Office of Energy Projects Energy Infrastructure Update



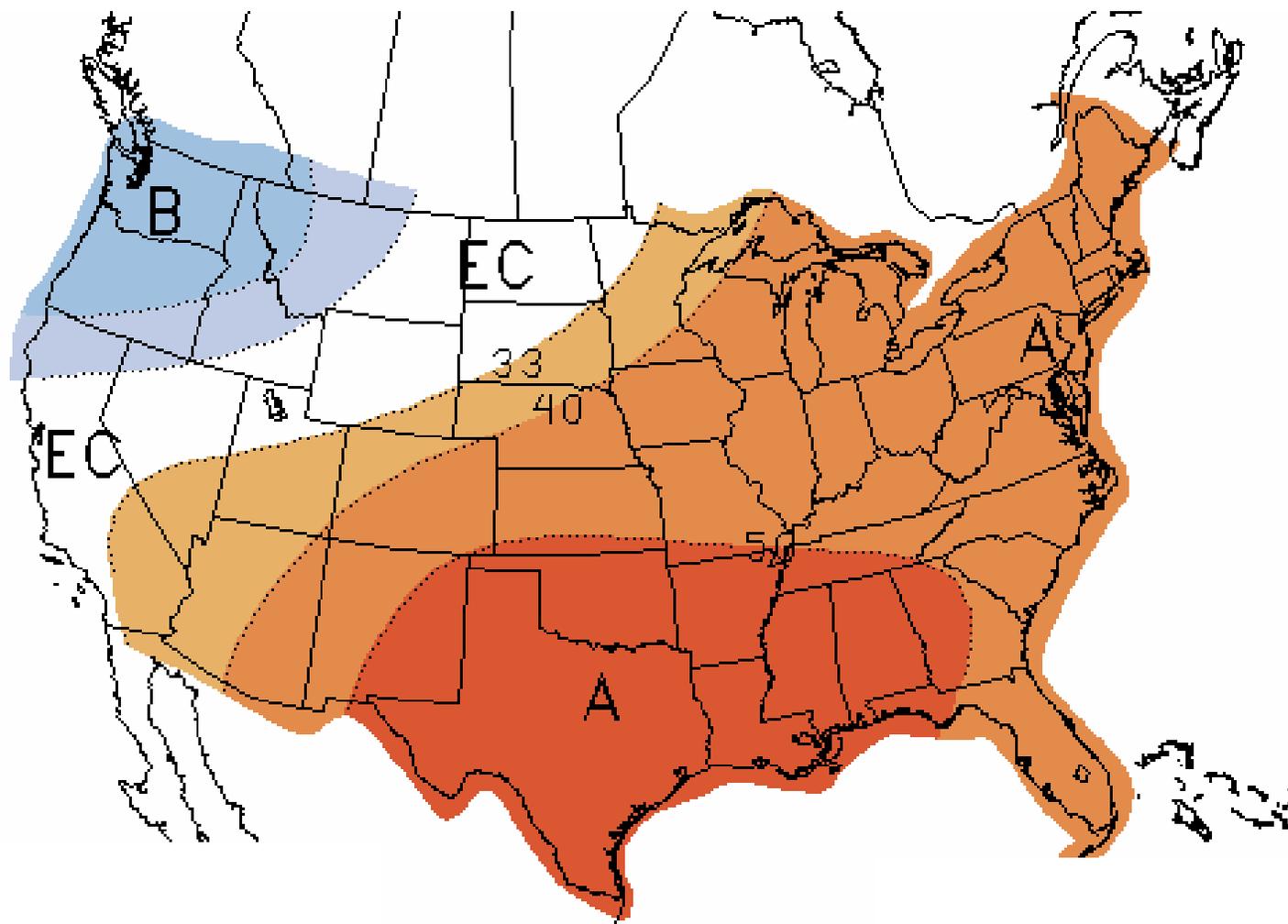
Weather

Regional Heating Degree Days – July 2012 to March 2013



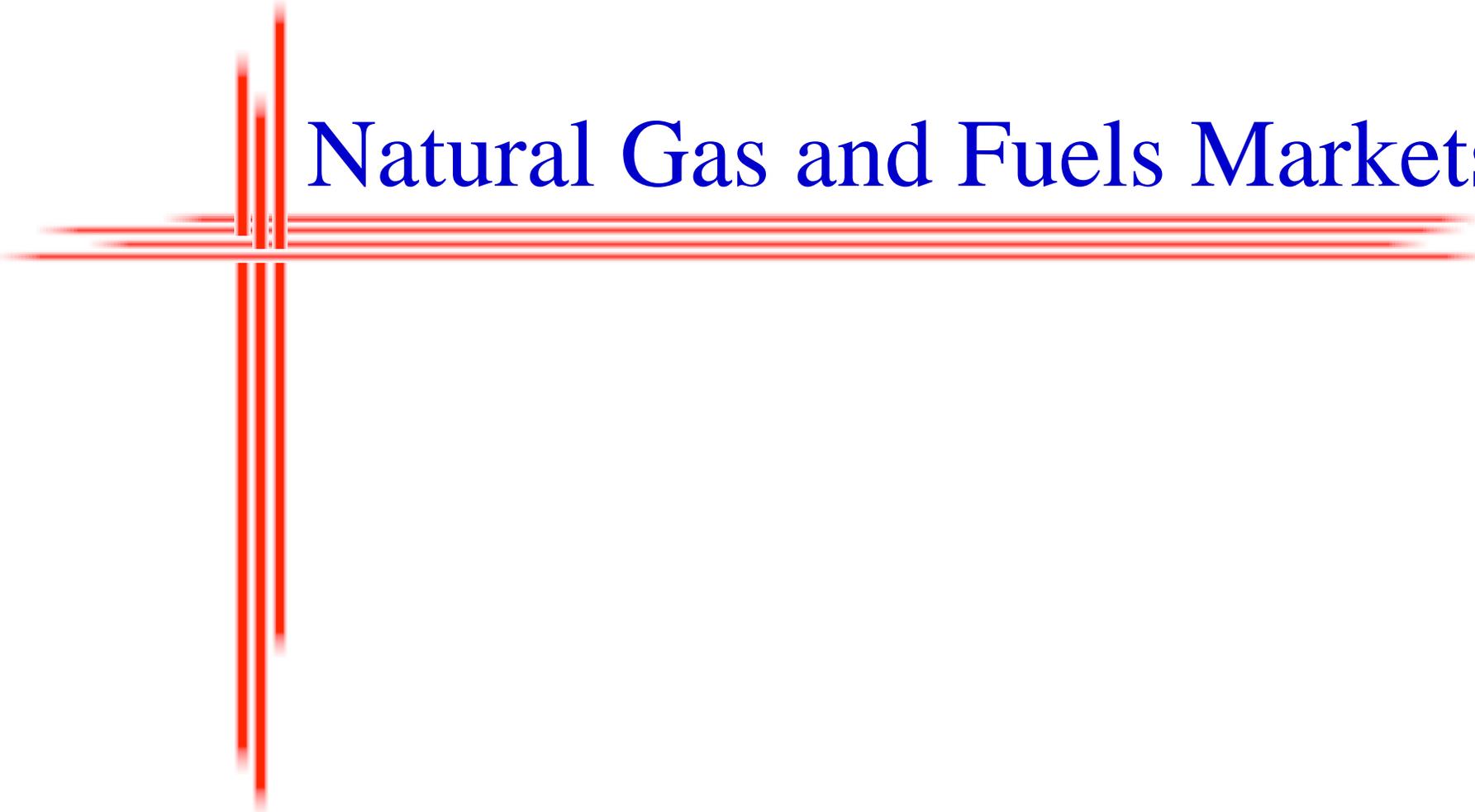
Source: Derived from NOAA data. Normal is based on a 30-year average of heating degree day data.
 March 2013 Southeast Snapshot Report

NOAA's 3 Month Temperature Forecast Made February 21, 2013, Valid for March 2013 – May 2013



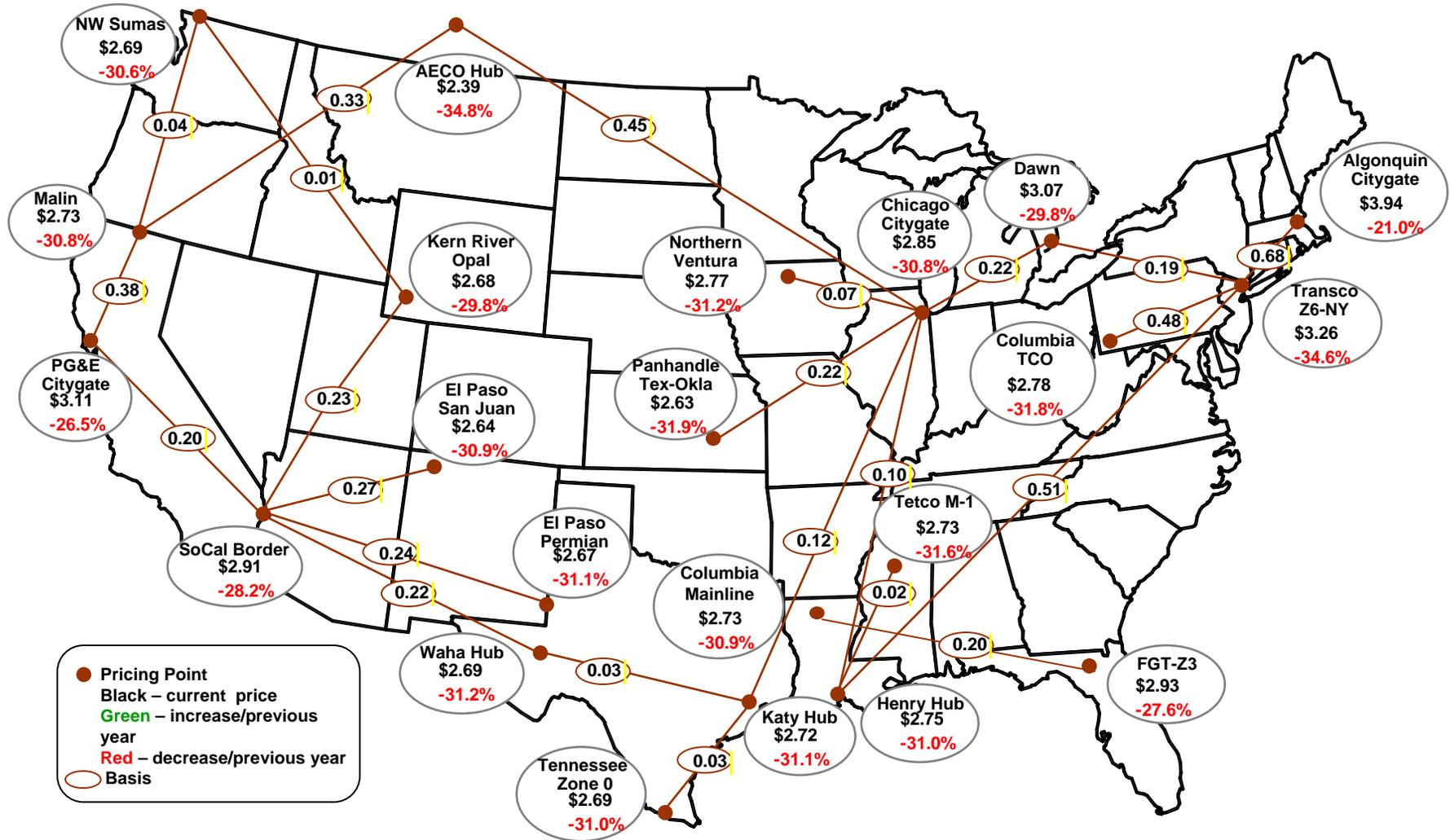
Note: "A" areas are above normal, "B" areas are below normal and "EC" means equal chance. Normal is based on the last 30 years of data.
Source: Derived from NOAA data.

Updated: March 7, 2013



Natural Gas and Fuels Markets

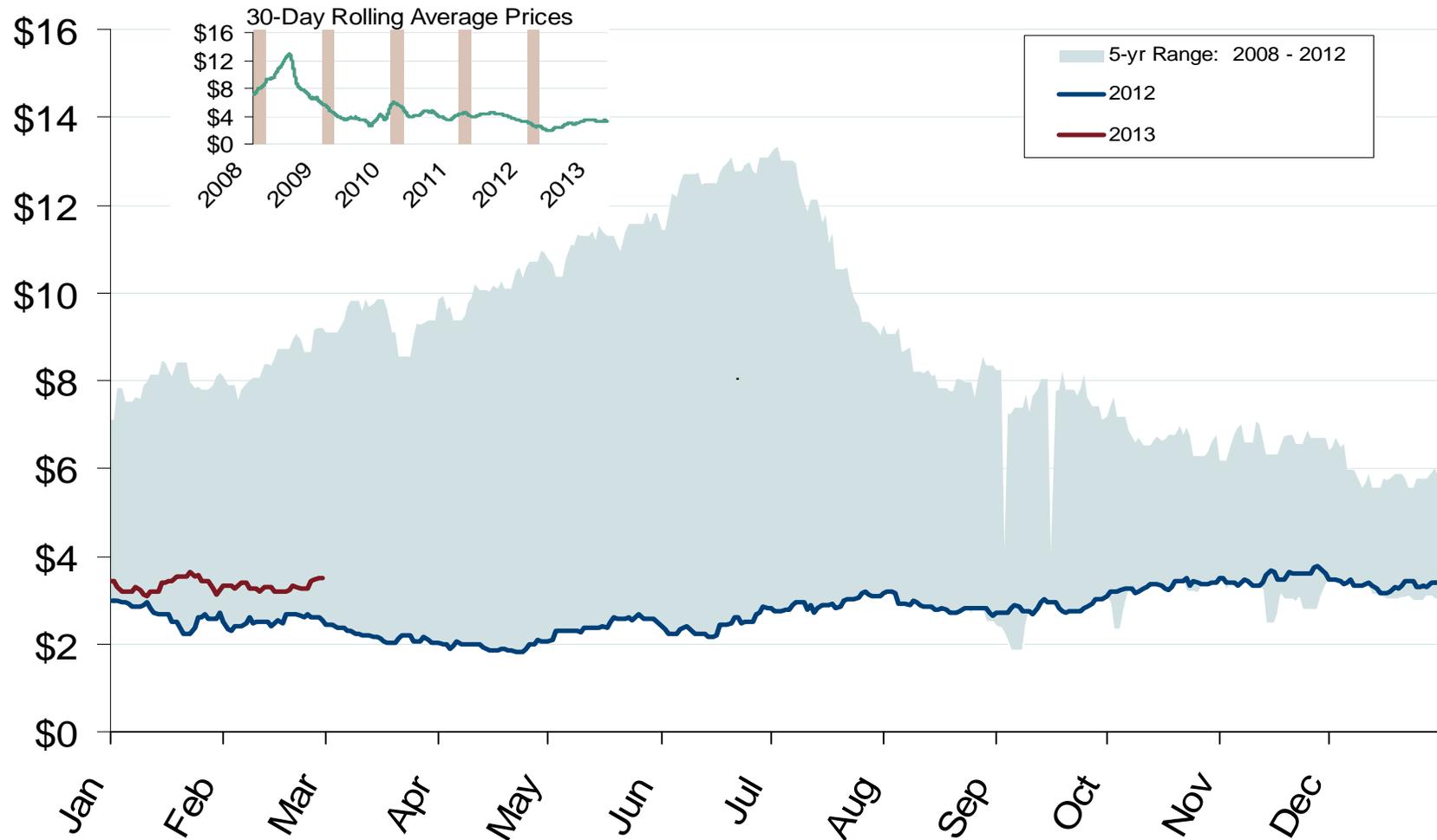
Average Spot Gas Prices, 2012 (\$MMBtu)



Source: Derived from *Platts* data.
 March 2013 Southeast Snapshot Report

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Henry Hub Natural Gas Daily Spot Prices

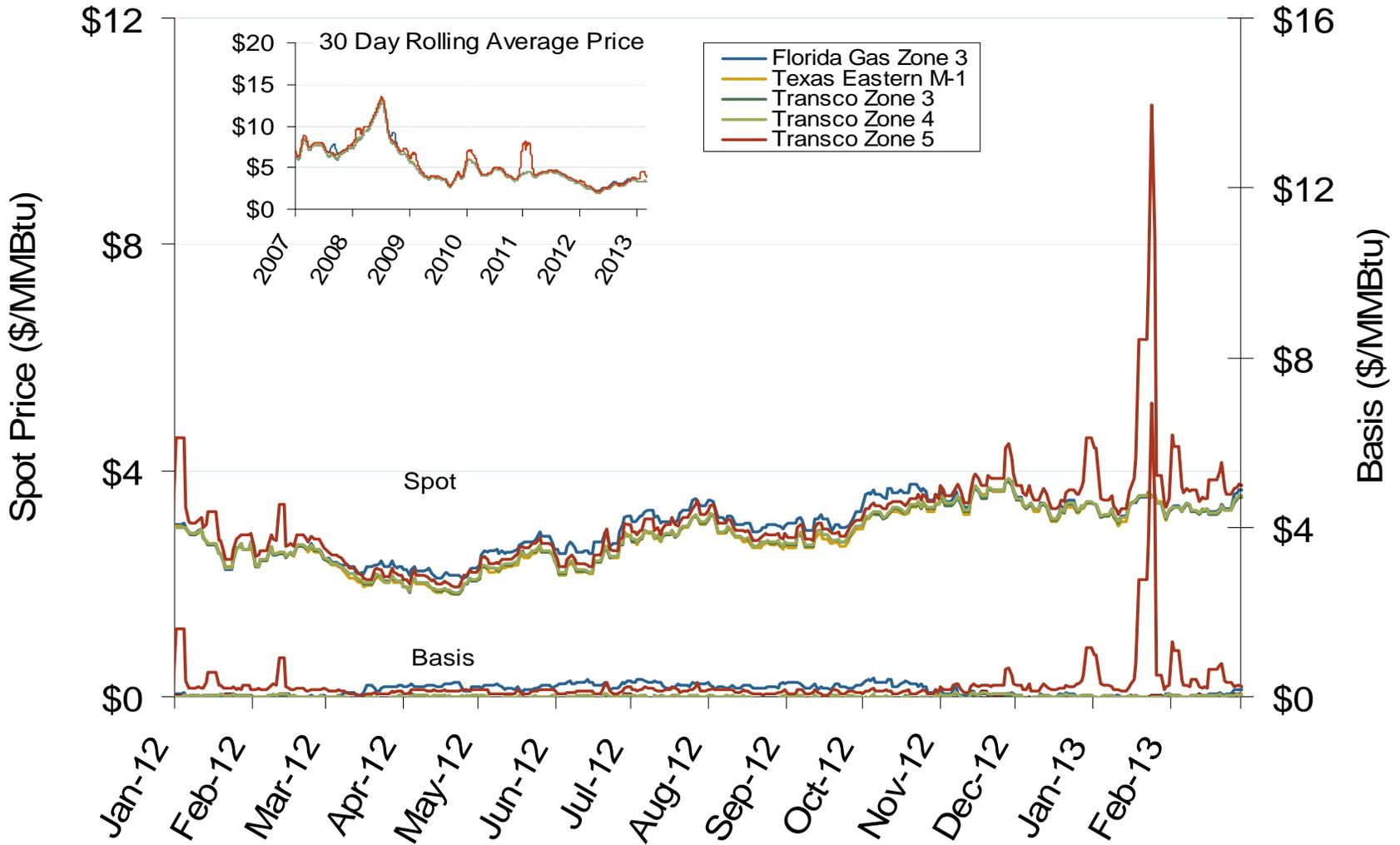


Southeast Annual Average Spot Hub Prices

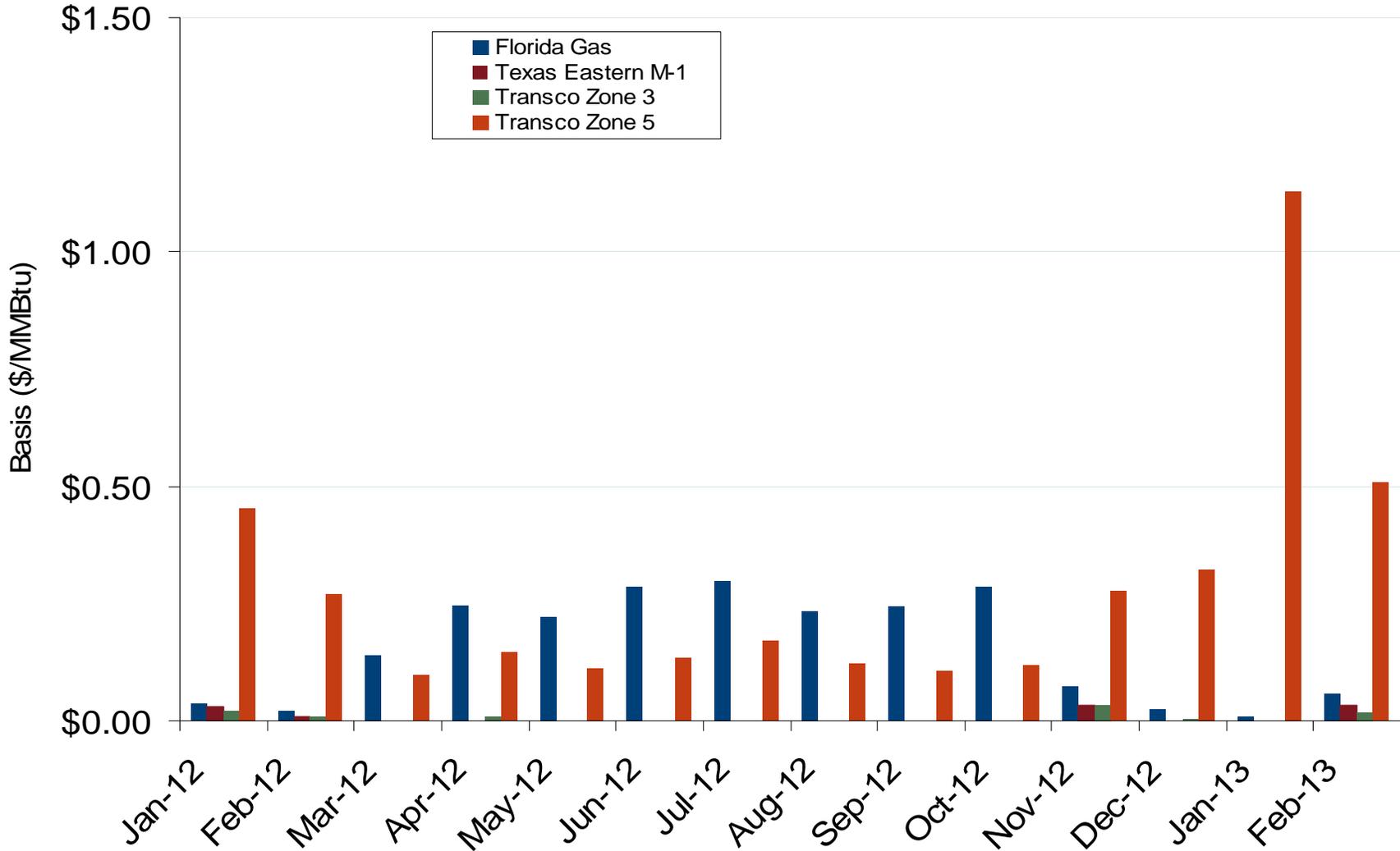
Annual Average Day Ahead Prices (\$/MMBtu)						
	2008	2009	2010	2011	2012	5-Year Avg
Henry Hub	\$8.85	\$3.92	\$4.37	\$3.99	\$2.75	\$4.78
Florida Gas Zone 3	\$9.13	\$3.98	\$4.42	\$4.05	\$2.93	\$4.90
Transco Station 65	\$8.92	\$3.96	\$4.38	\$3.98	\$2.74	\$4.80
Transco Zone 4	\$8.98	\$3.98	\$4.39	\$4.00	\$2.76	\$4.82
Transco Zone 5	\$9.46	\$4.33	\$5.04	\$4.52	\$2.94	\$5.26
Tetco M1	\$8.98	\$3.98	\$4.40	\$3.98	\$2.73	\$4.81

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Southeastern Day-Ahead Hub Spot Prices and Basis



Southeastern Monthly Average Basis Value to Henry Hub

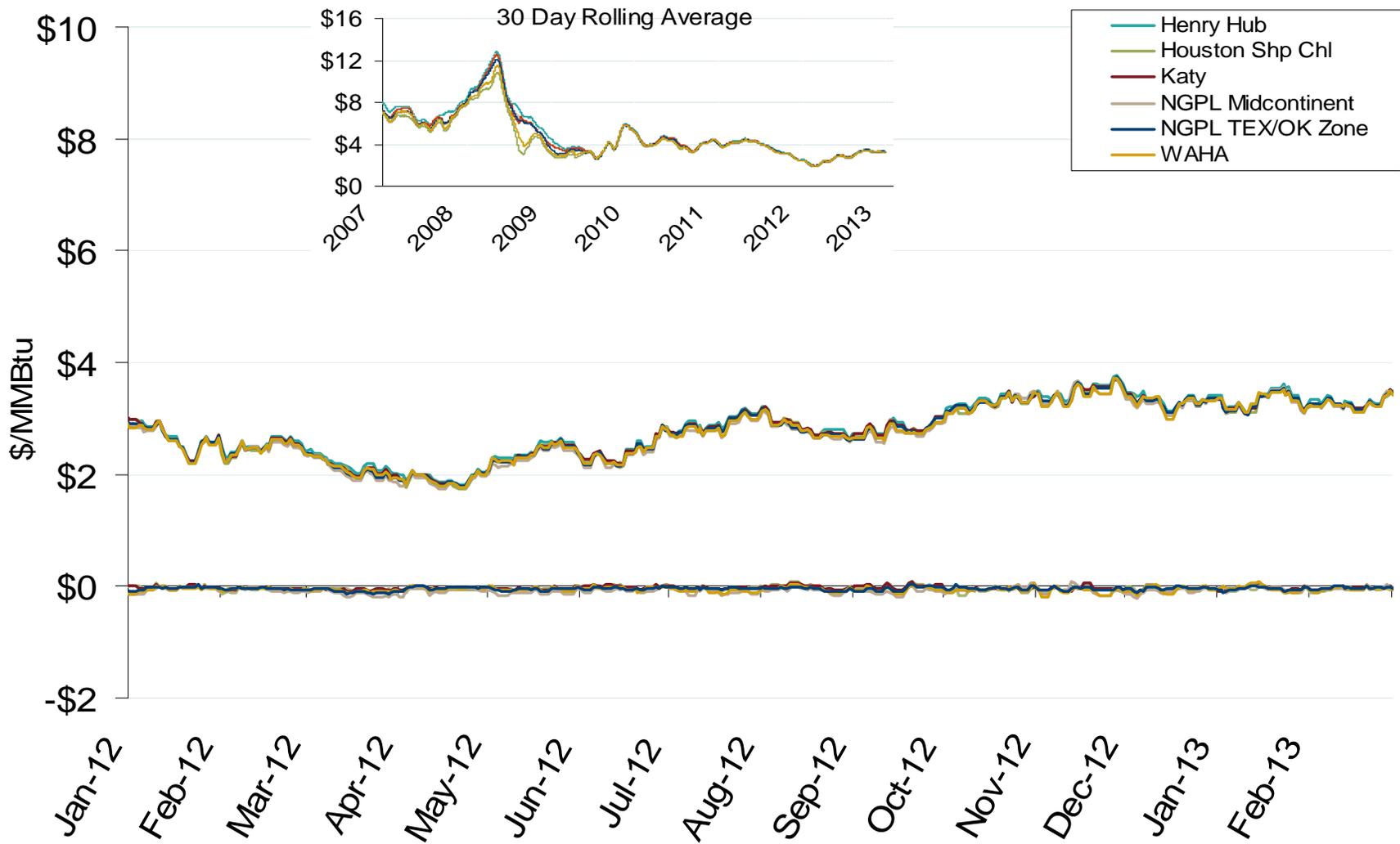


Gulf Annual Average Spot Hub Prices

Annual Average Day Ahead Prices (\$/MMBtu)						
	2008	2009	2010	2011	2012	5-Year Avg
Henry Hub	\$8.85	\$3.92	\$4.37	\$3.99	\$2.75	\$4.78
NGPL Midcontinent	\$7.11	\$3.32	\$4.16	\$3.88	\$2.66	\$4.23
Houston Ship Channel	\$8.50	\$3.75	\$4.34	\$3.94	\$2.71	\$4.65
Katy	\$8.51	\$3.75	\$4.33	\$3.95	\$2.72	\$4.65
Waha	\$7.57	\$3.47	\$4.21	\$3.91	\$2.69	\$4.37
El Paso Permian	\$7.44	\$3.41	\$4.16	\$3.87	\$2.67	\$4.31
Panhandle TX/OK	\$7.07	\$3.27	\$4.14	\$3.86	\$2.63	\$4.19
Tennessee Zone 0	\$8.50	\$3.74	\$4.29	\$3.90	\$2.69	\$4.63

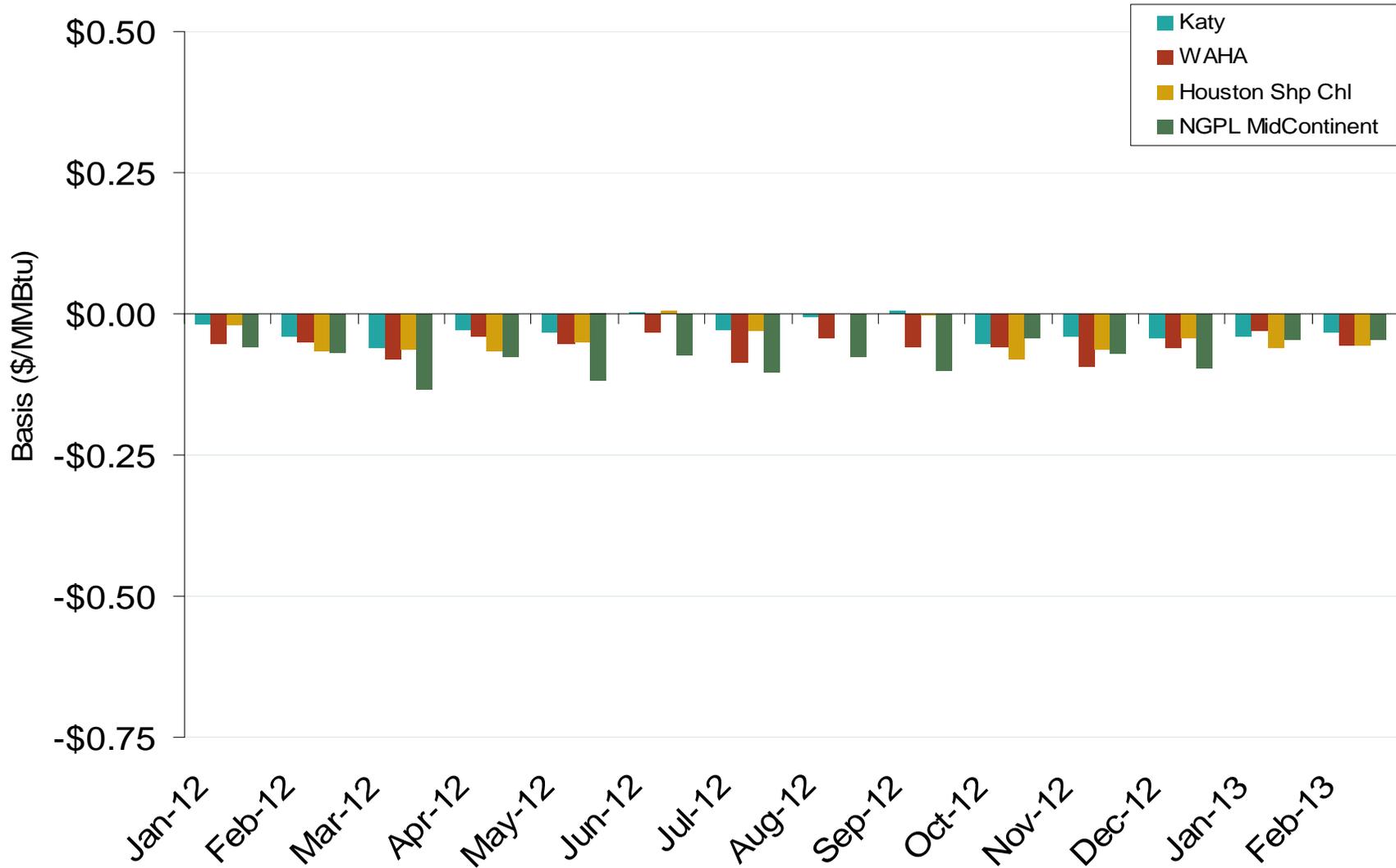
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Gulf Day-Ahead Hub Spot Prices and Basis

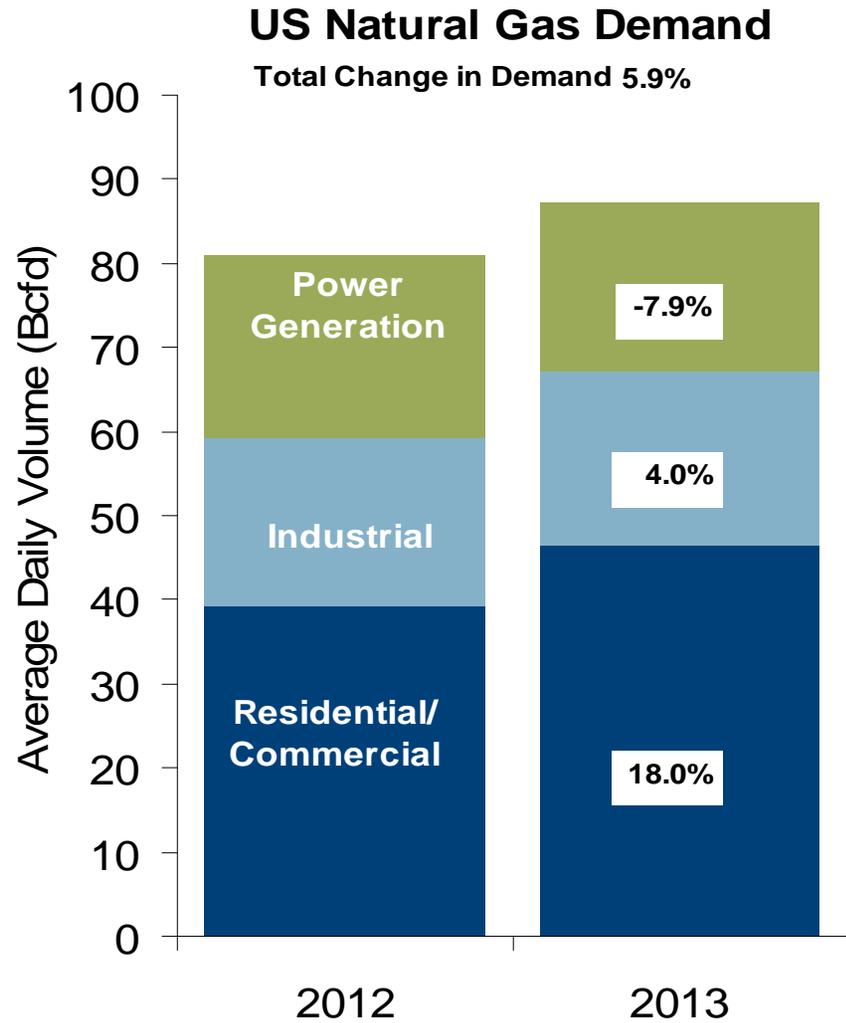
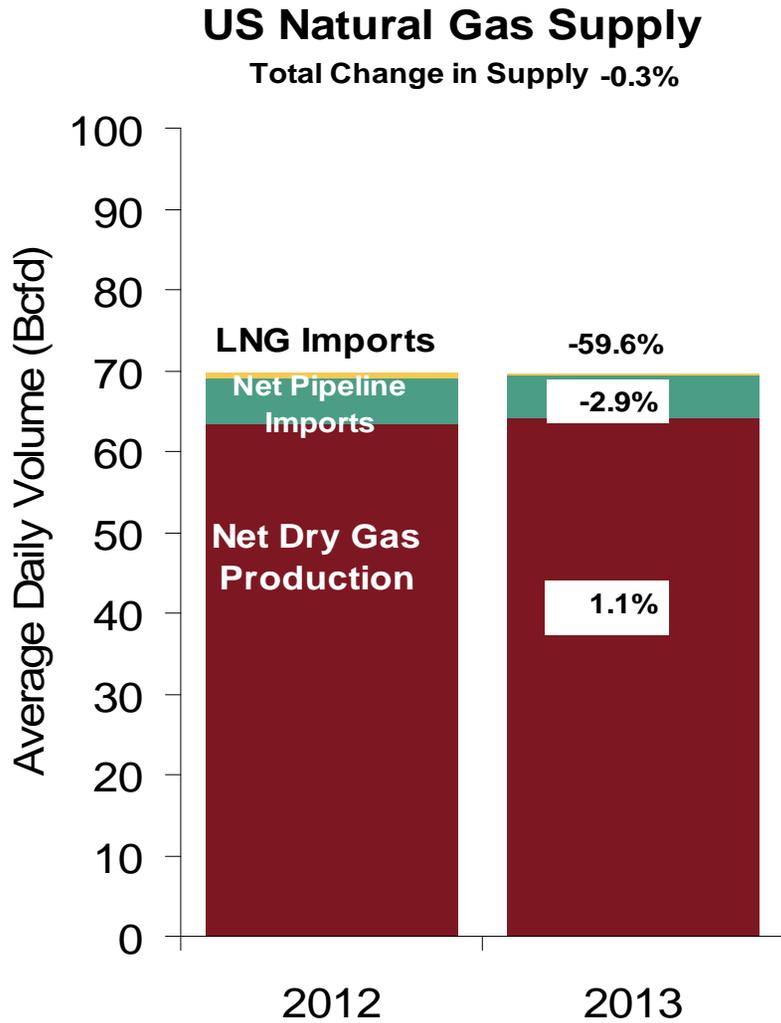


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Gulf Monthly Average Basis Value to Henry Hub



U.S. NG Supply and Demand 2012 vs. 2013: January - February



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

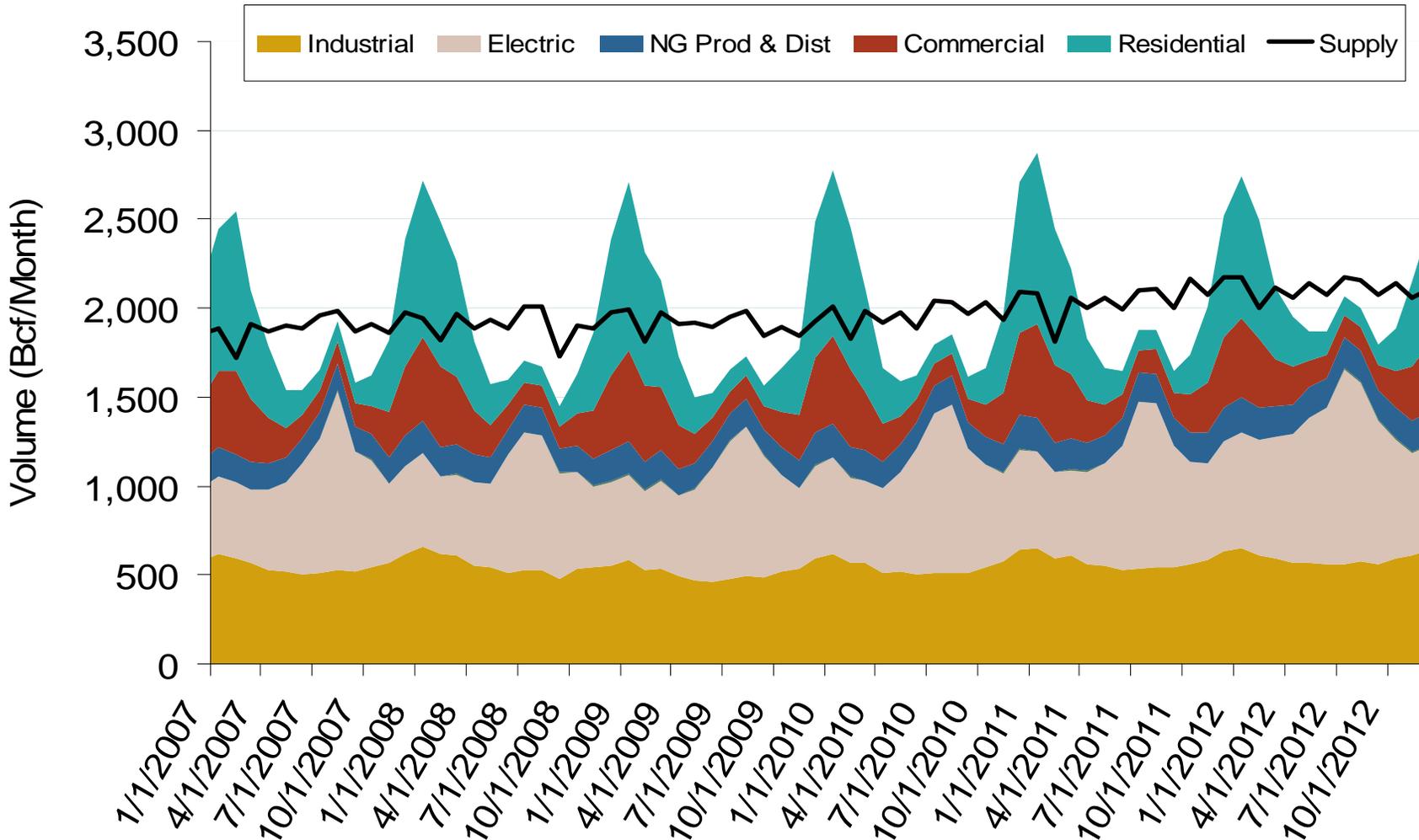
Source: Derived from *Bentek Energy* data

March 2013 Southeast Snapshot Report

Updated: March 13, 2013

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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

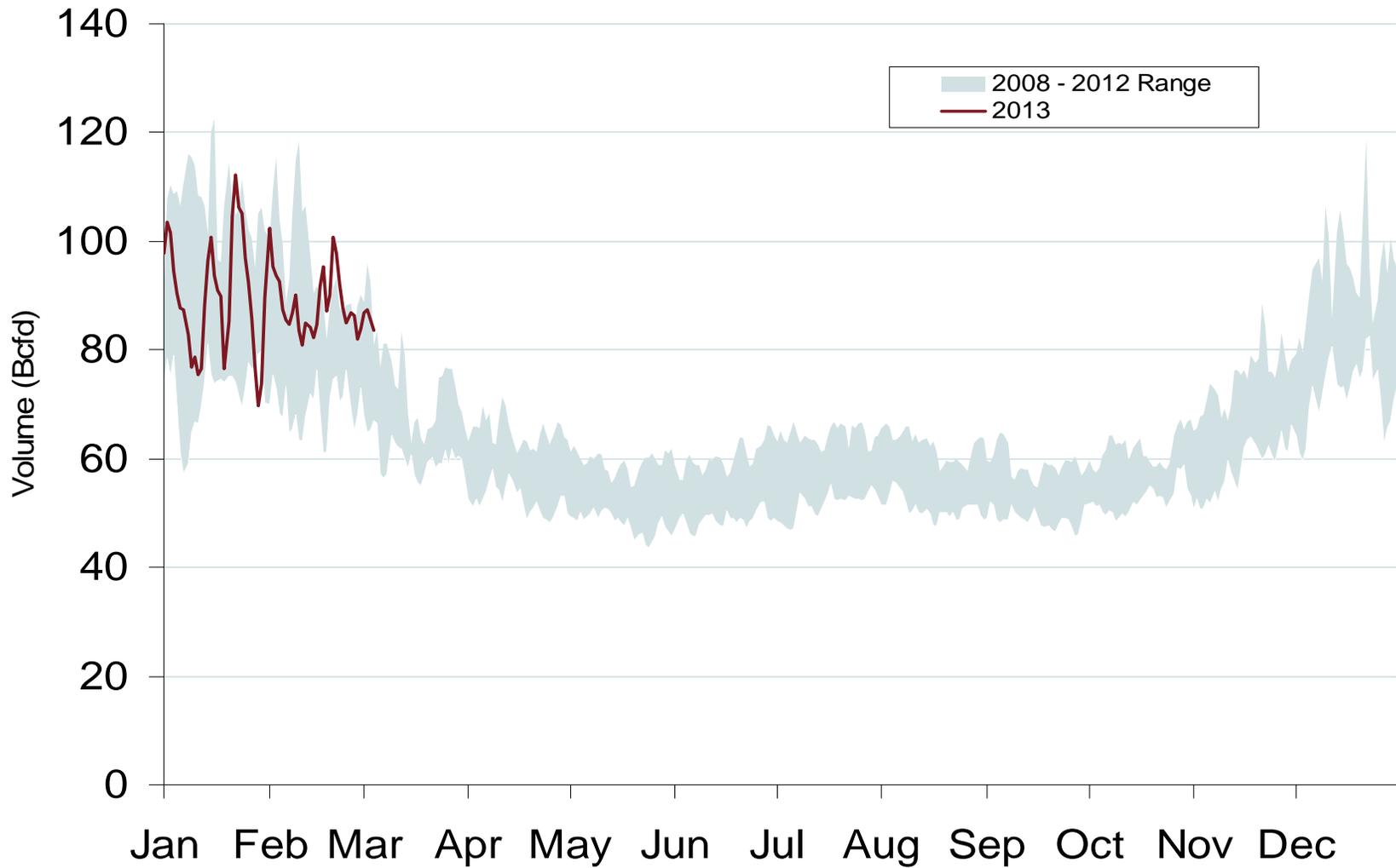
March 2013 Southeast Snapshot Report

Updated: March 12, 2013

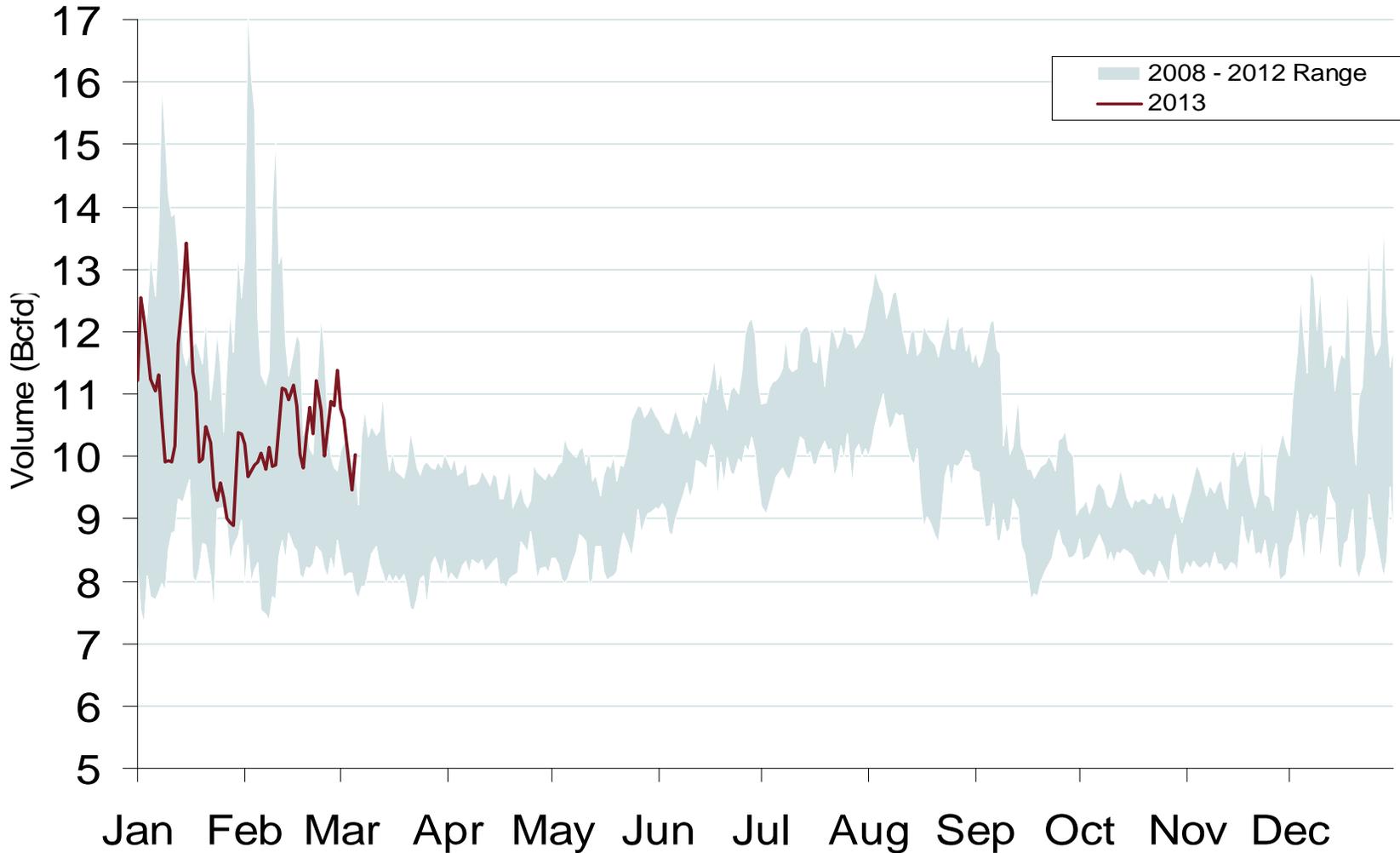
20013

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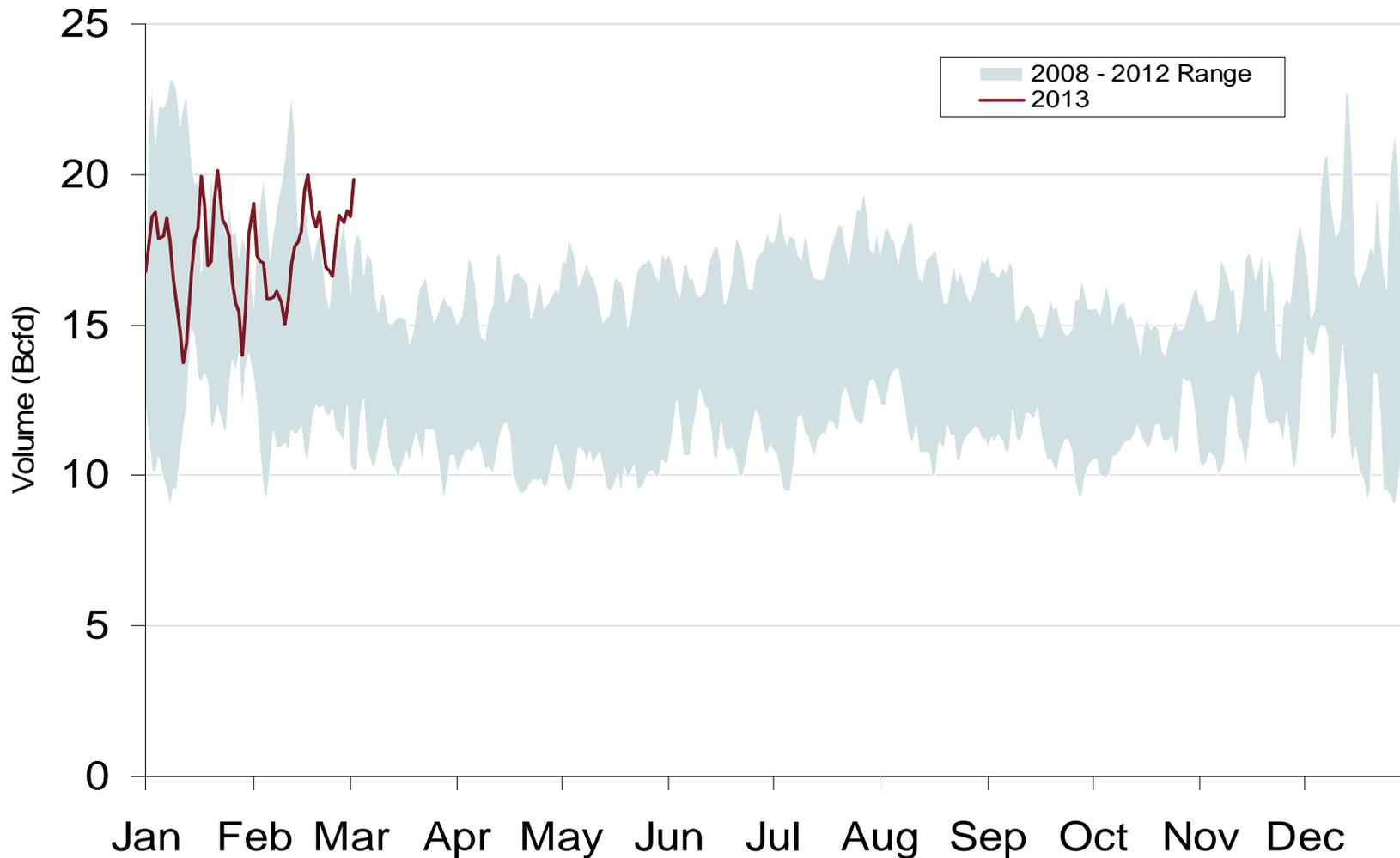
Total U.S. Natural Gas Demand All Sectors



Daily Gulf Natural Gas Demand All Sectors

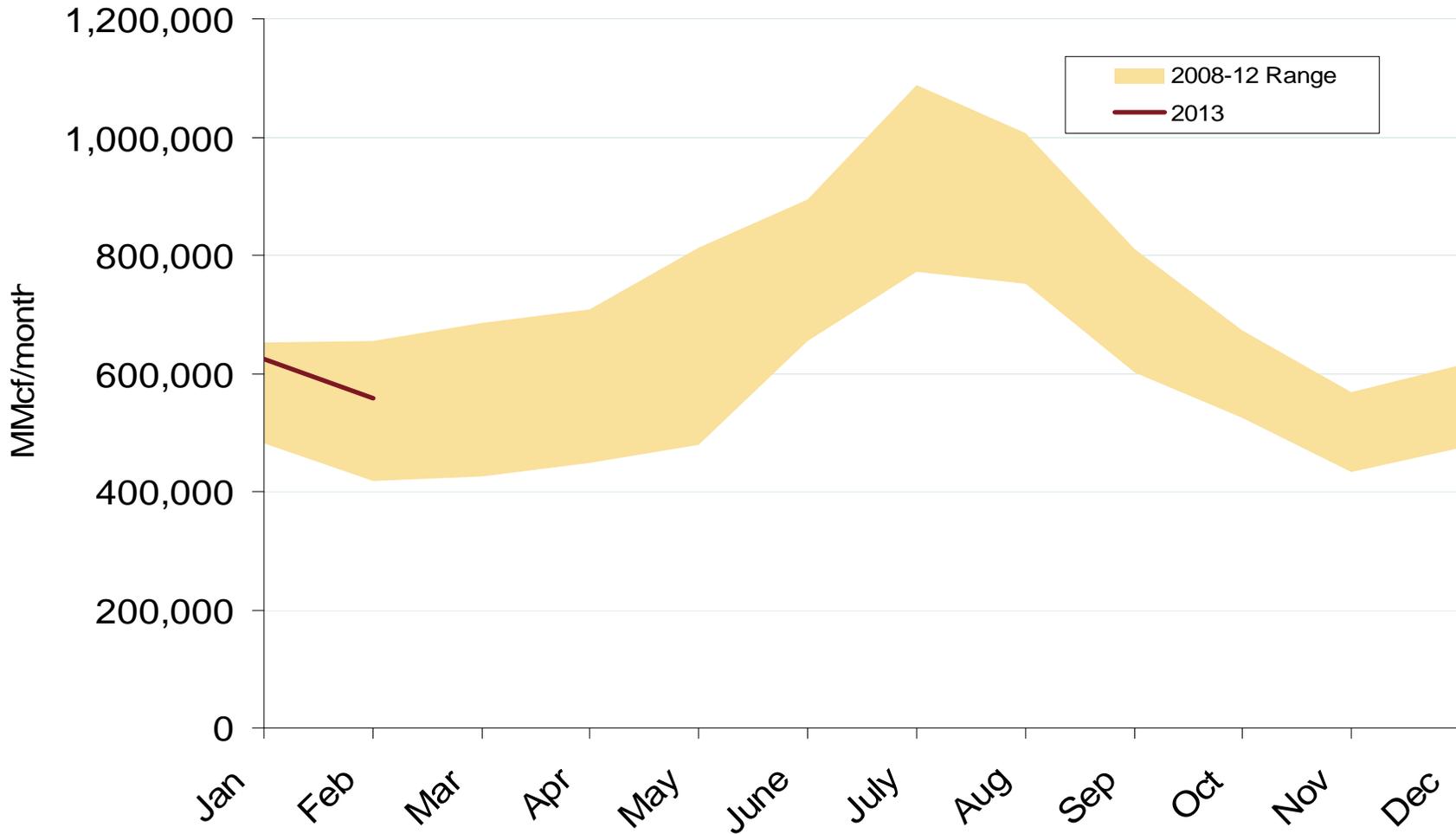


Daily Southeast Natural Gas Demand All Sectors



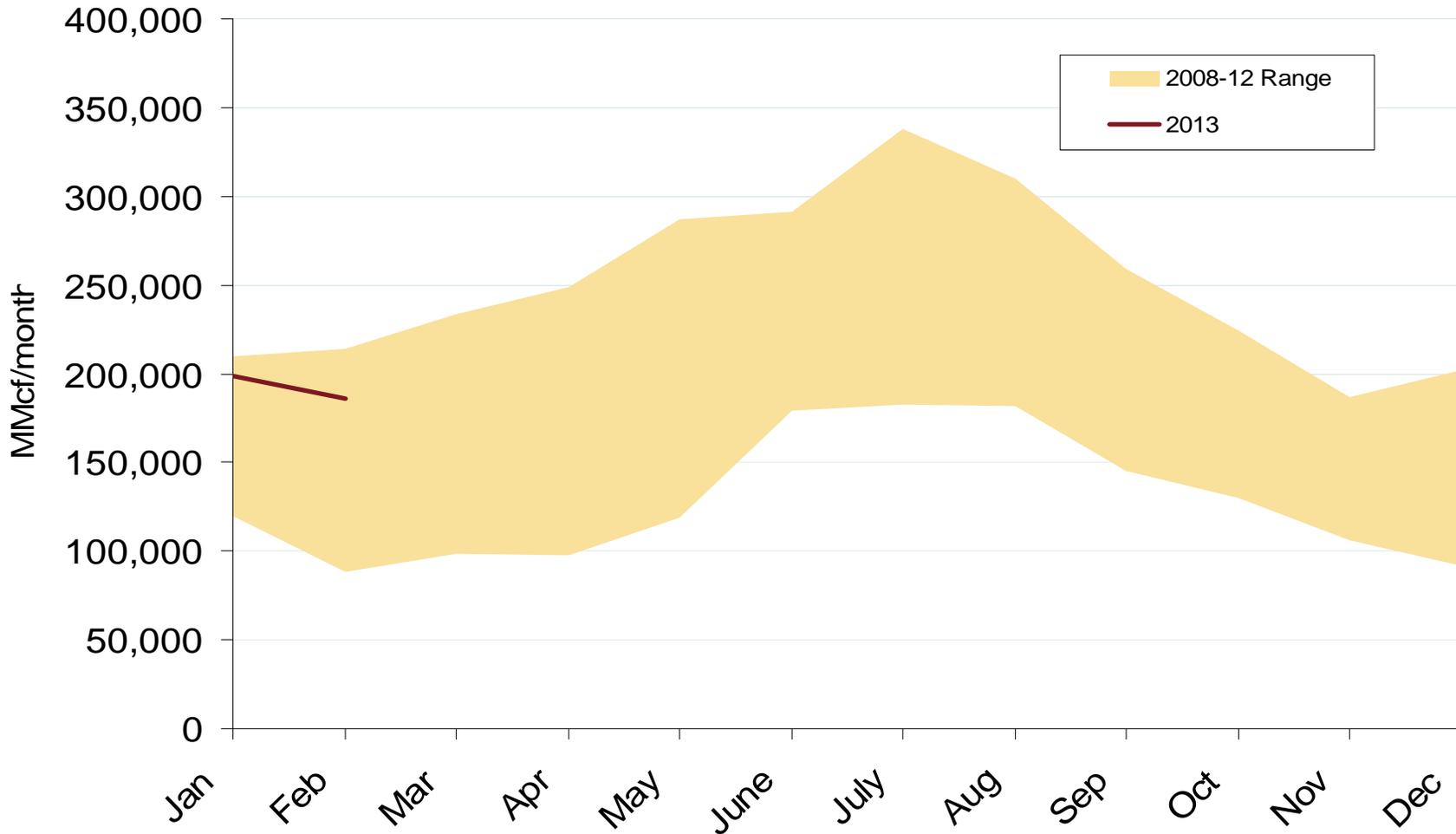
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U.S. Natural Gas Consumption for Power Generation

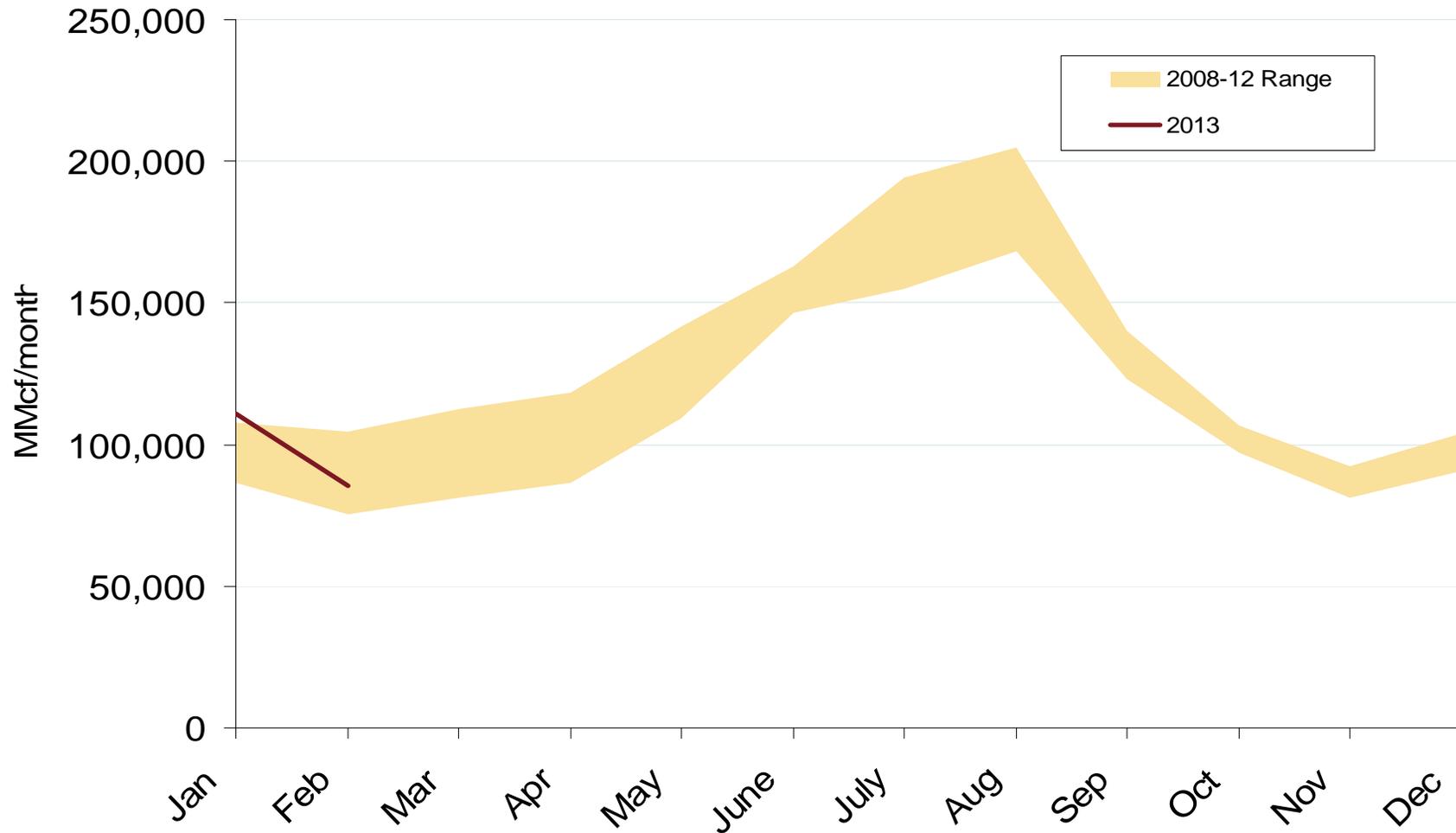


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Southeast Natural Gas Consumption for Power Generation

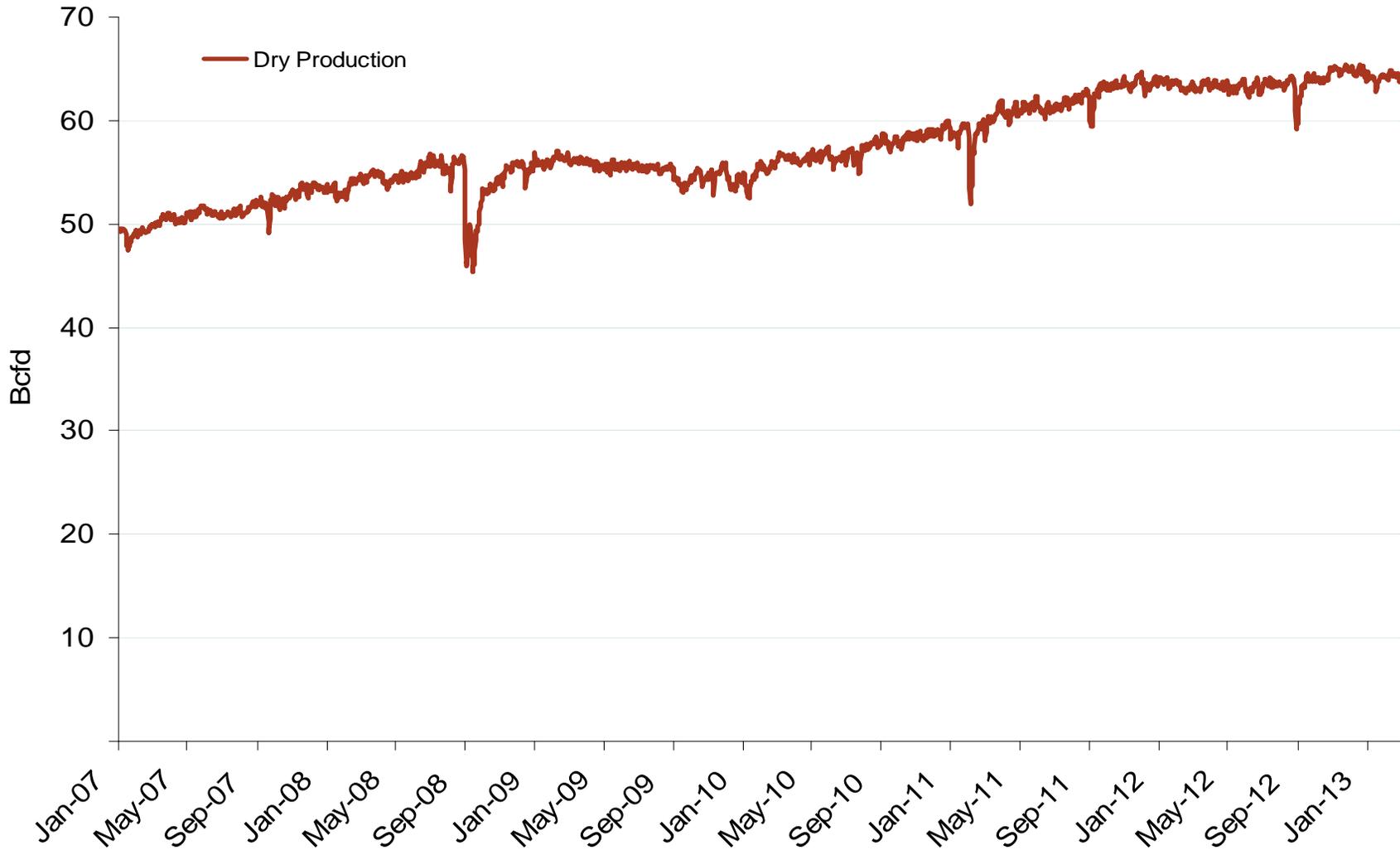


Gulf Natural Gas Consumption for Power Generation



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



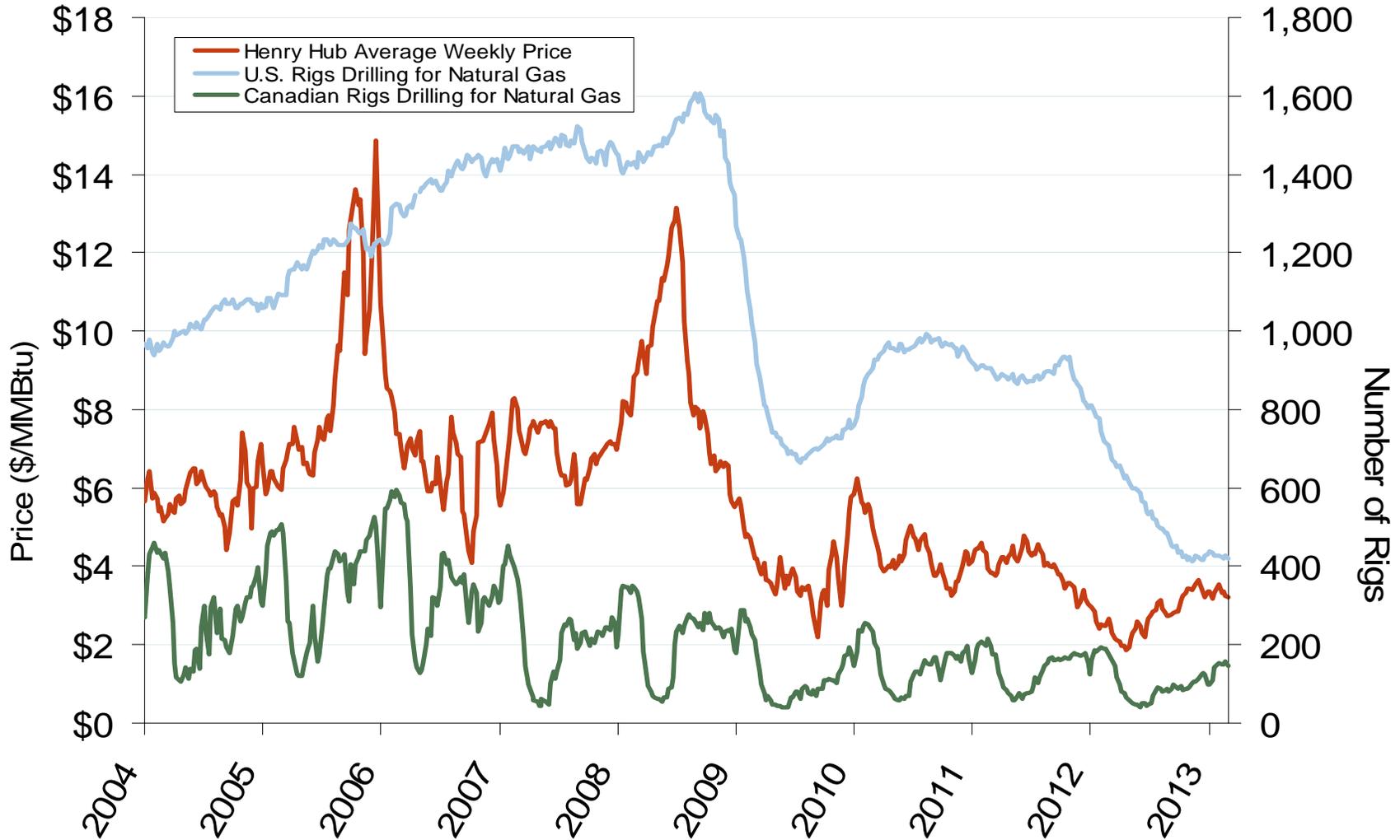
Note: Prior to July 2010, chart was derived from a combination of *EIA* and *Bentek Energy* data

Source: Derived from *Bentek Energy* data

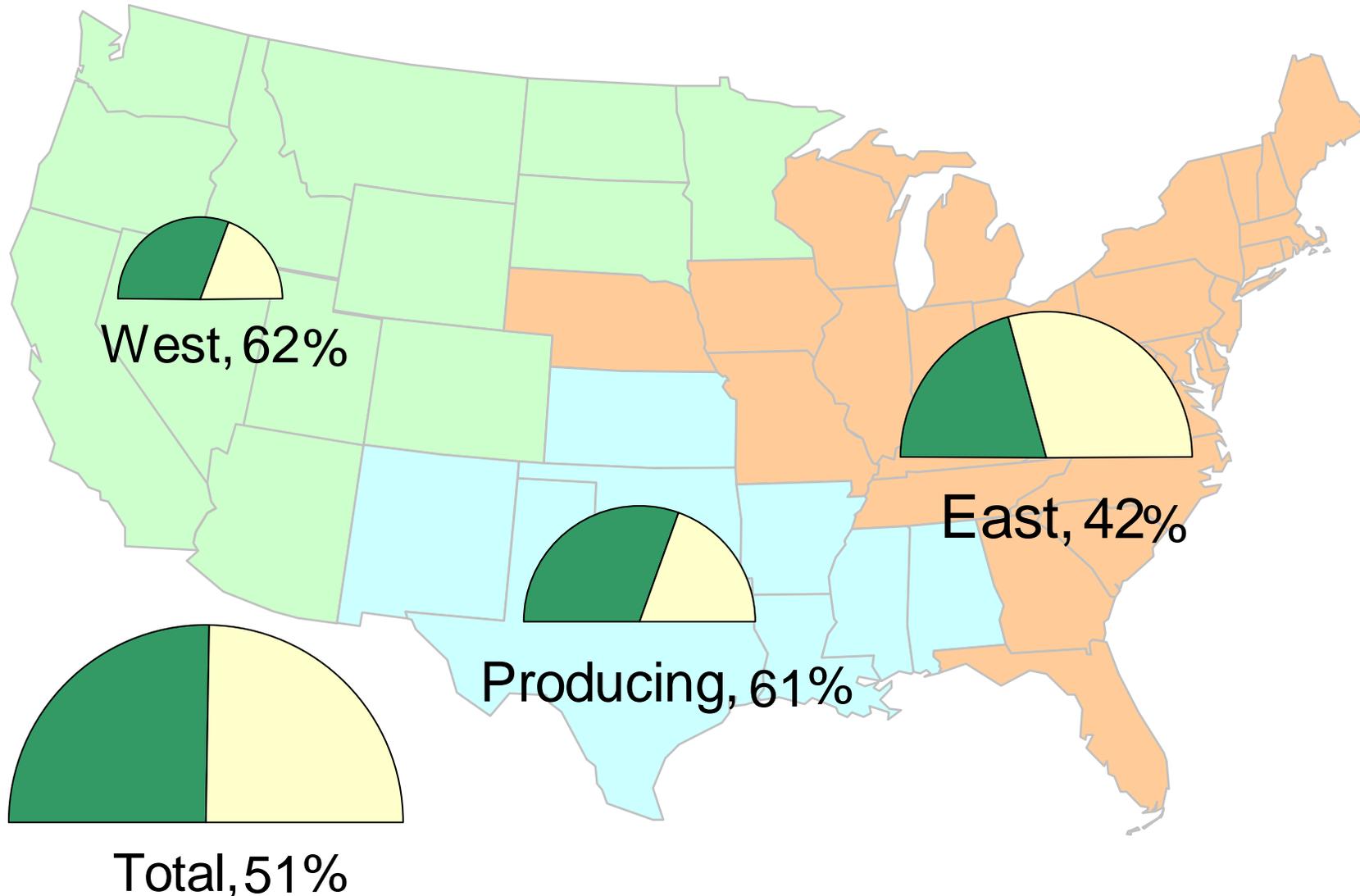
March 2013 Southeast Snapshot Report

Updated: March 07, 2013

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

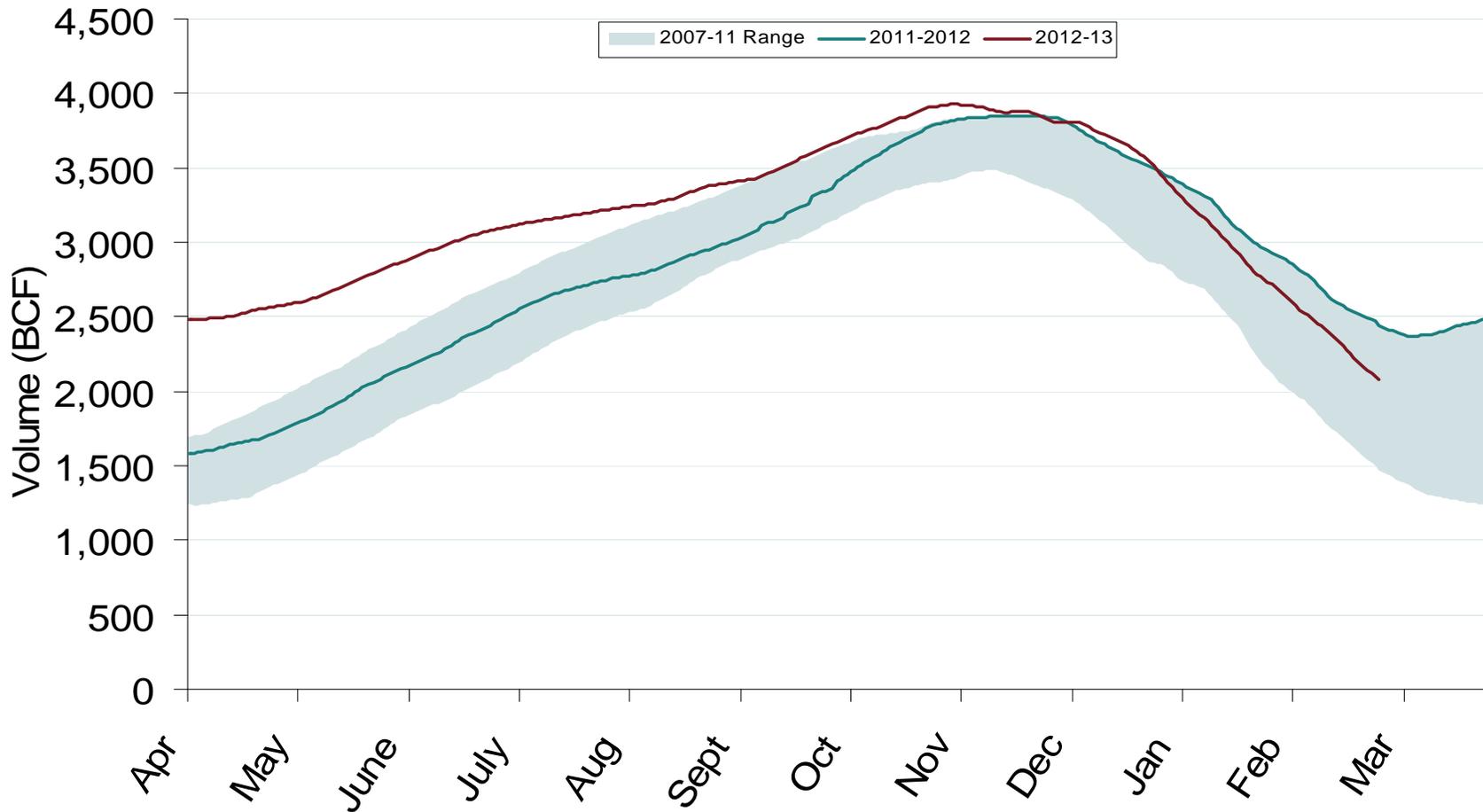


Natural Gas Storage Inventories – March 1, 2013

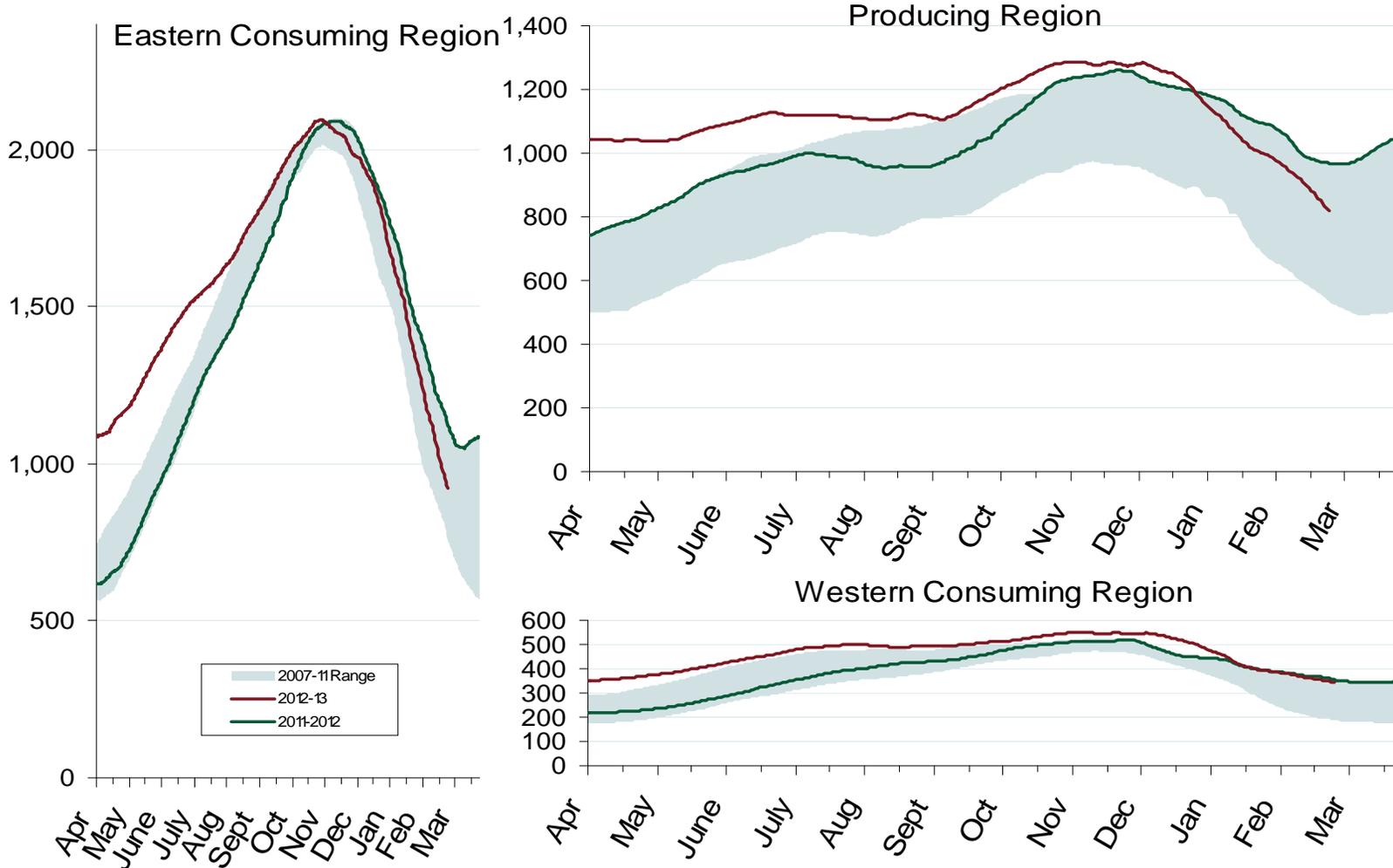


Source: Derived from EIA Storage and Estimated Working Gas Capacity data

Total U.S. Working Gas in Storage



Regional Totals of Working Gas in Storage



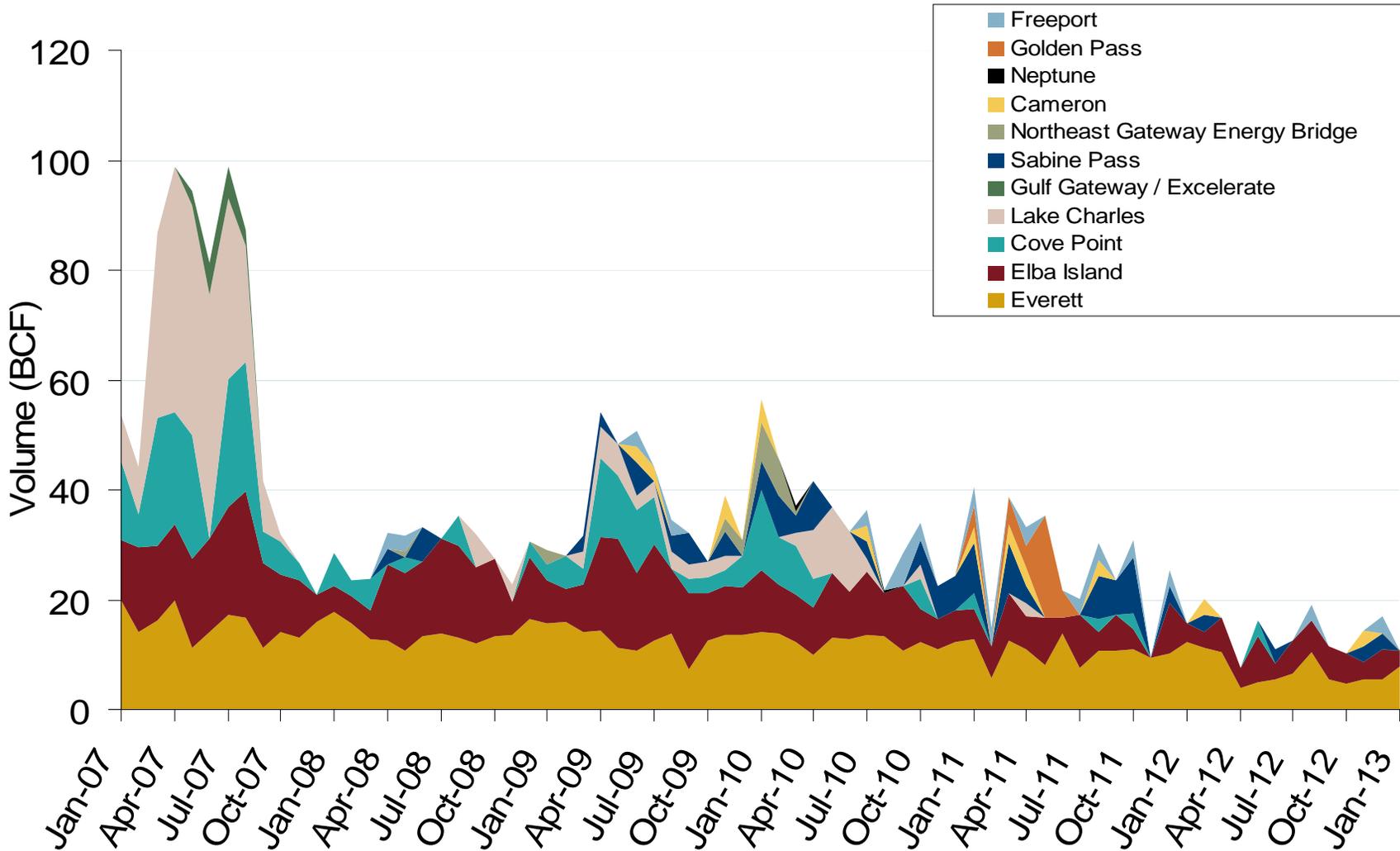
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World LNG Estimated April 2013 Landed Prices



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Monthly Gas Imports at Existing U.S. LNG Facilities

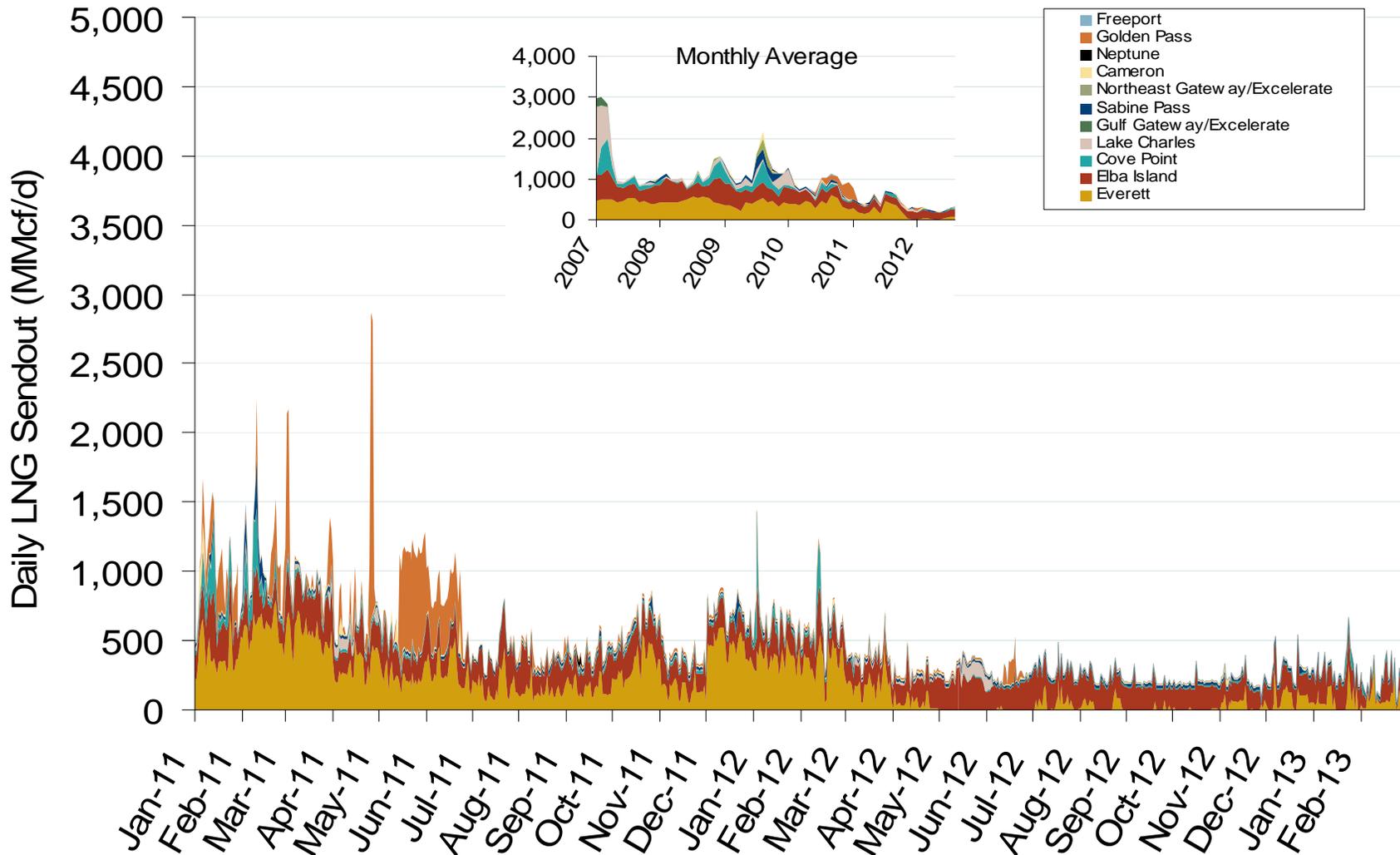


Source: Derived from DOE Office of Fossil Energy data
March 2013 Southeast Snapshot Report

Updated: March 12, 2013

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Daily Gas Sendout from Existing U.S. LNG Facilities

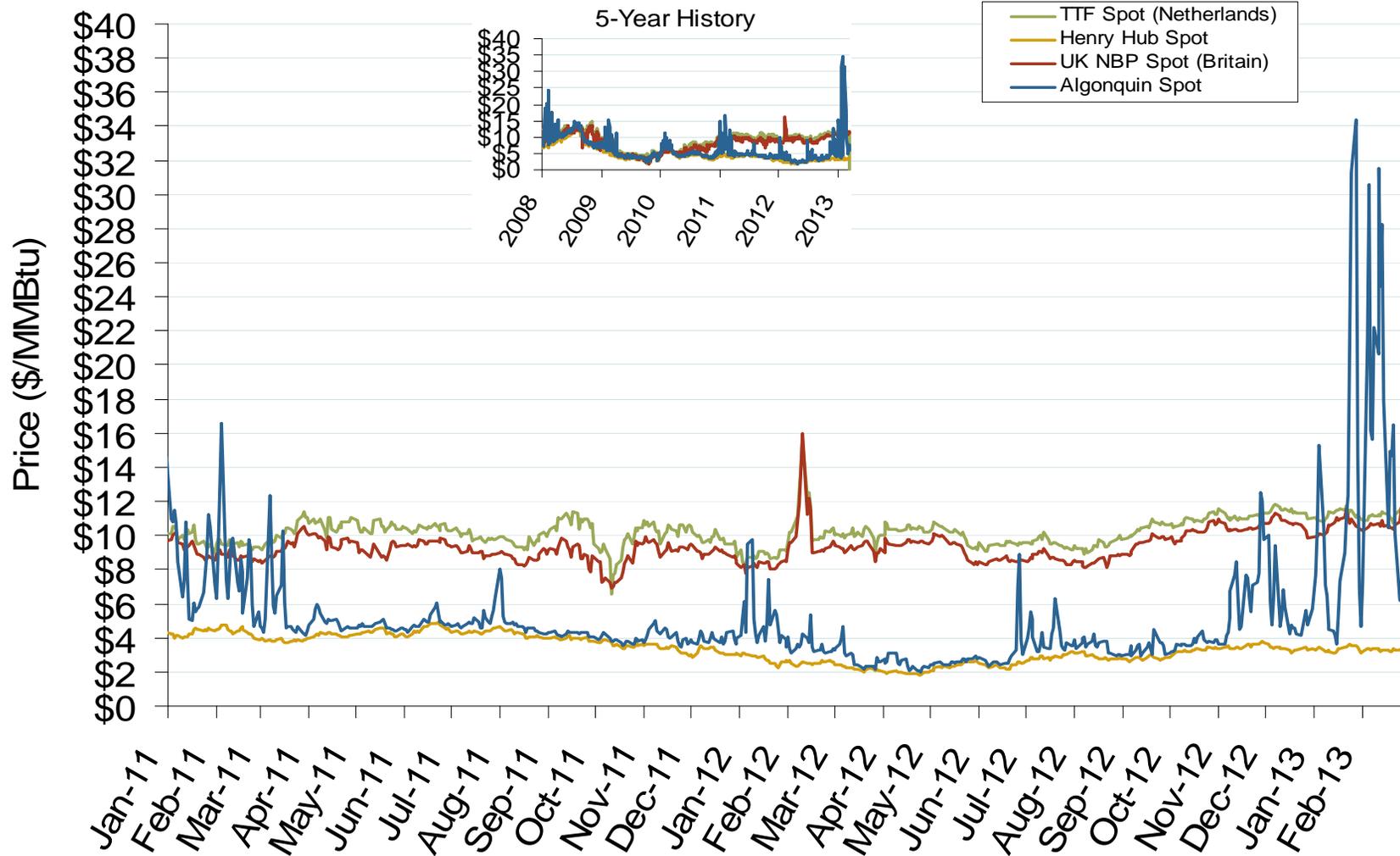


Notes: Everett data includes flows onto the AGT and TGP interstate lines, plus estimates of flows to the Mystic 7 power plant, Keyspan Boston Gas, and LNG trucked out of the terminal. Excludes flows to the Freeport LNG which flows via intrastate pipelines and flows to the Mystic 8 and 9 power plants.

Source: Derived from *Bentek Energy* data
 March 2013 Southeast Snapshot Report

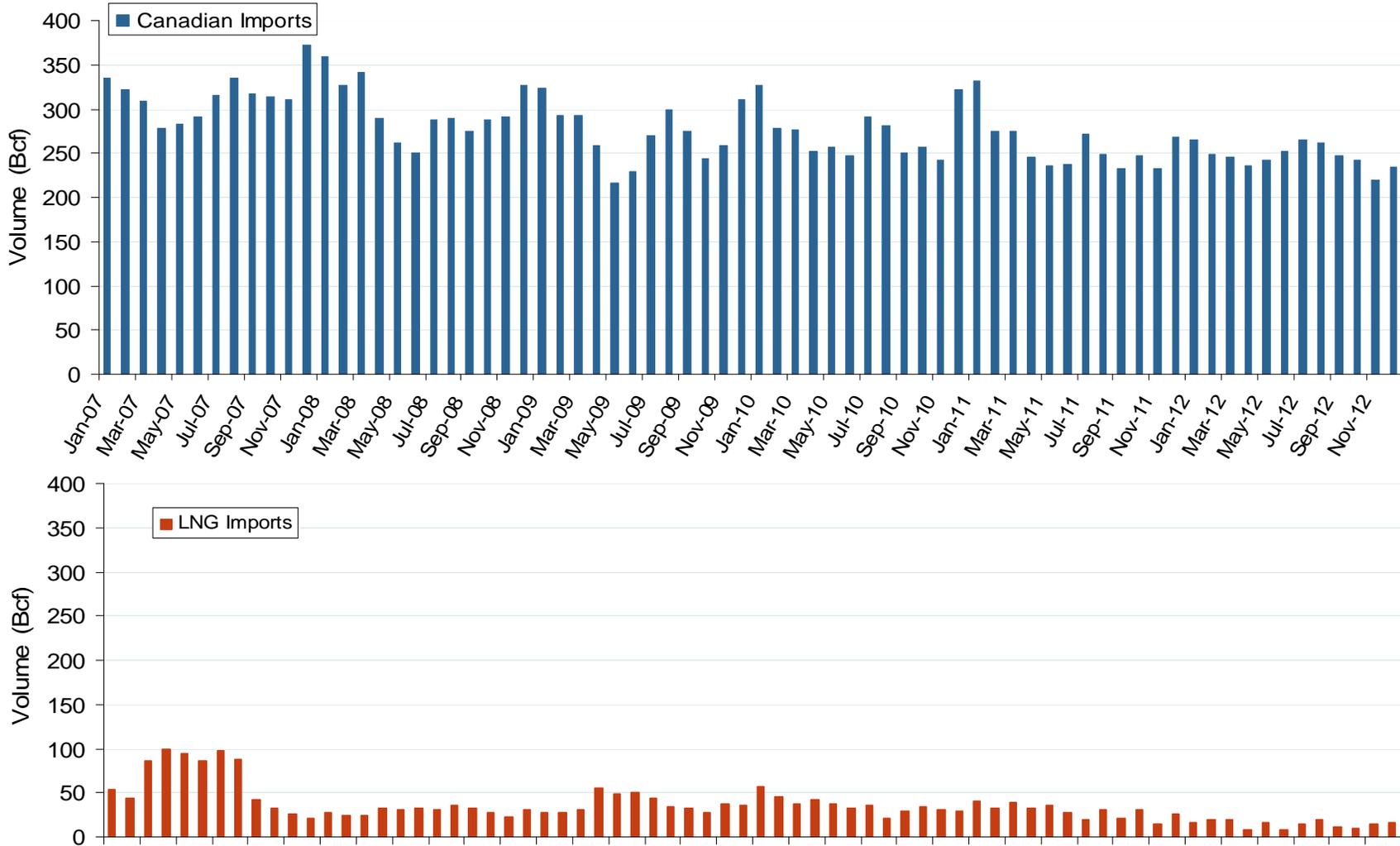
Updated: March 07, 2013

Atlantic Basin European and US Spot Natural Gas Prices

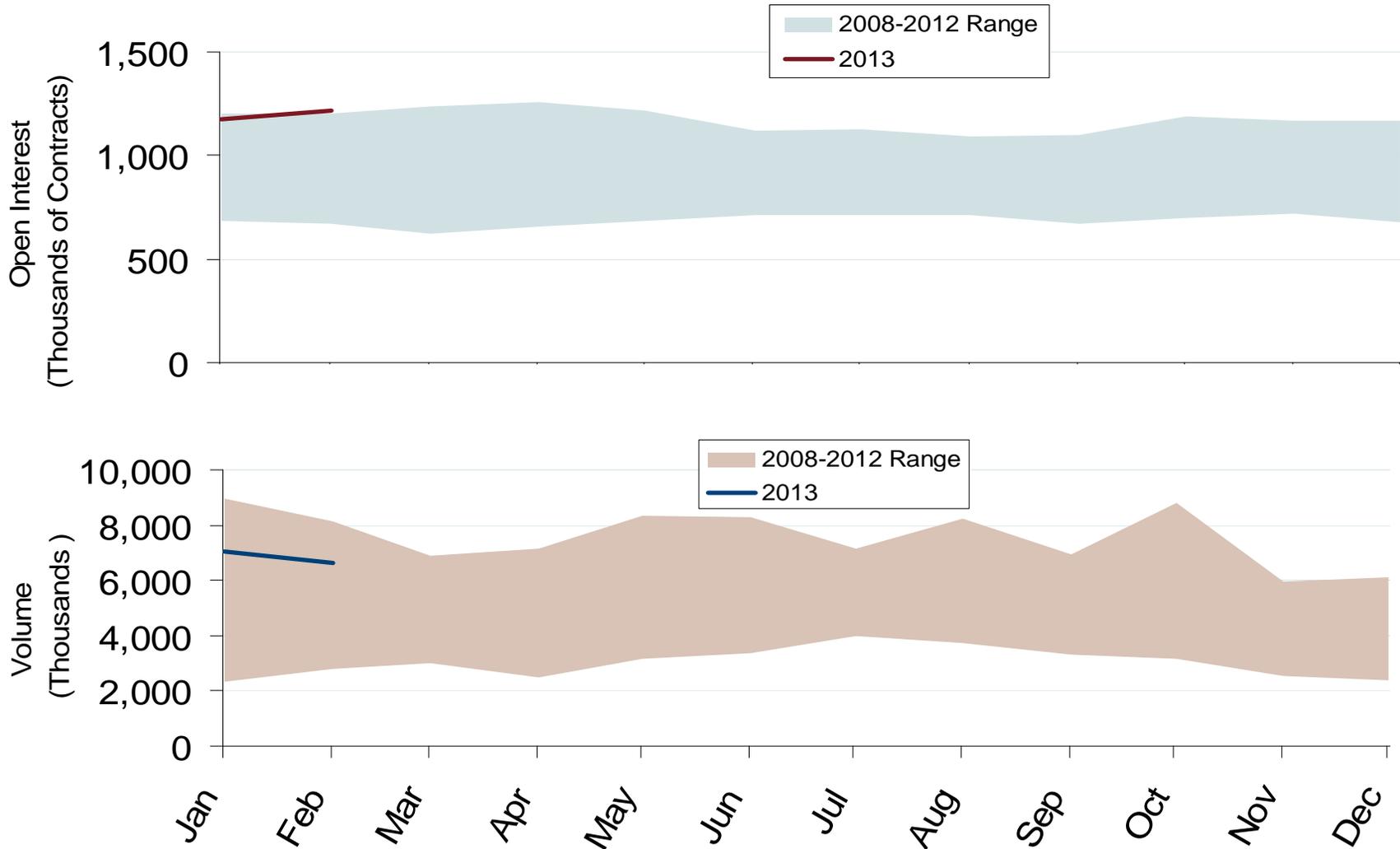


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Canadian and LNG Natural Gas Imports Into the U.S.

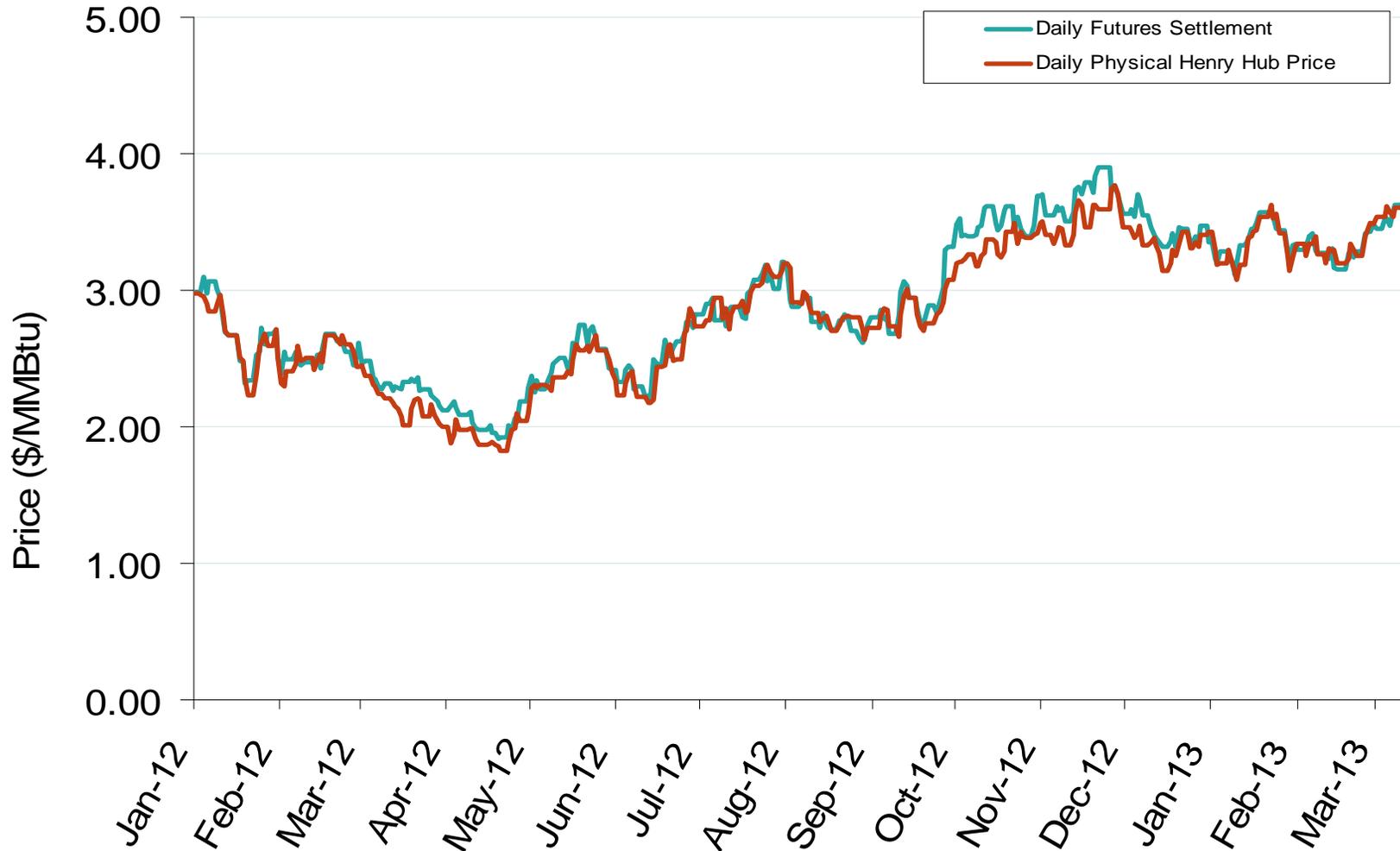


Nymex NG Futures Month-End Open Interest and Monthly Volume



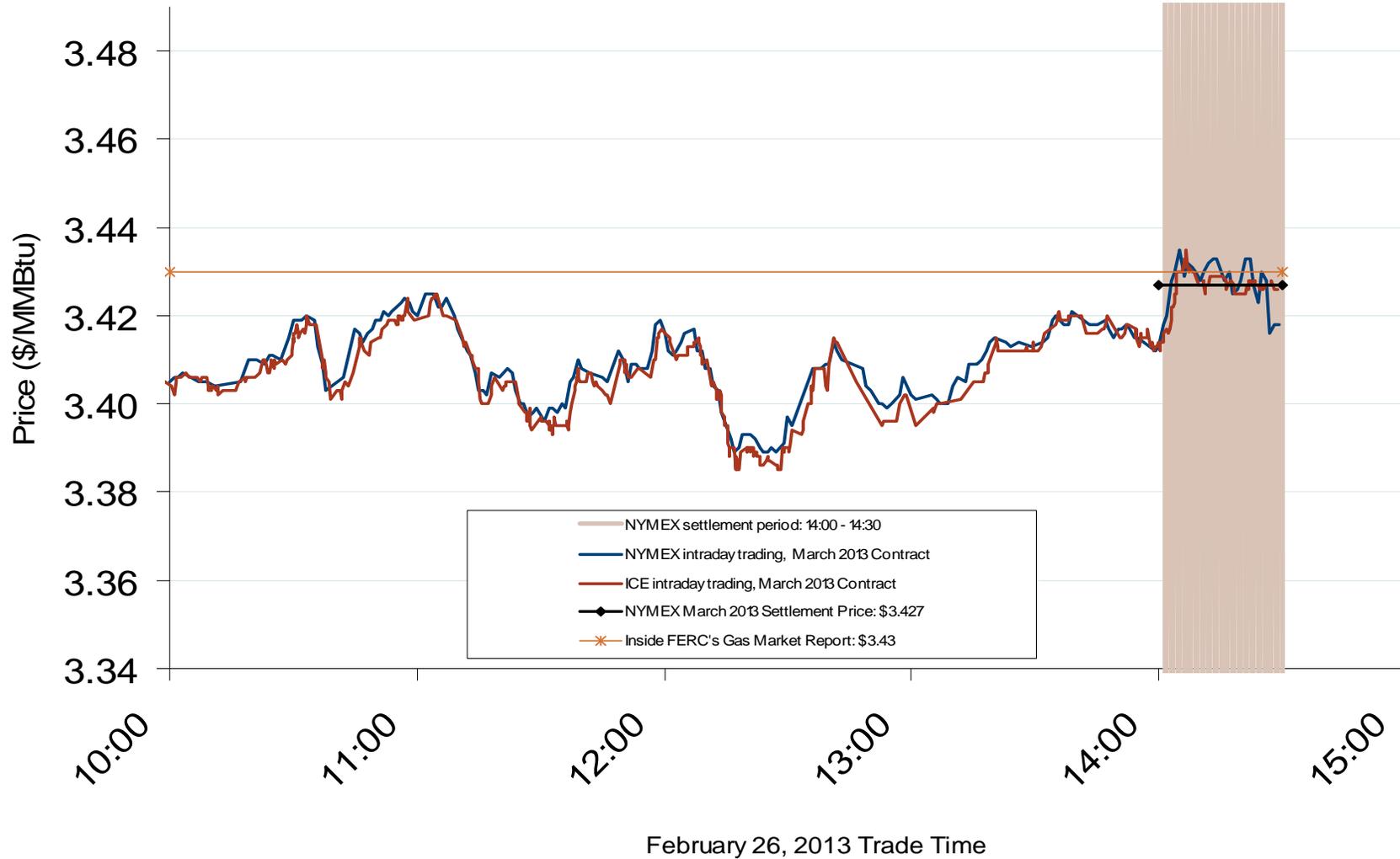
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Daily Physical Index Price & Daily Futures Settlement Price



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Nymex and ICE Contract Final Settlement - March 2013



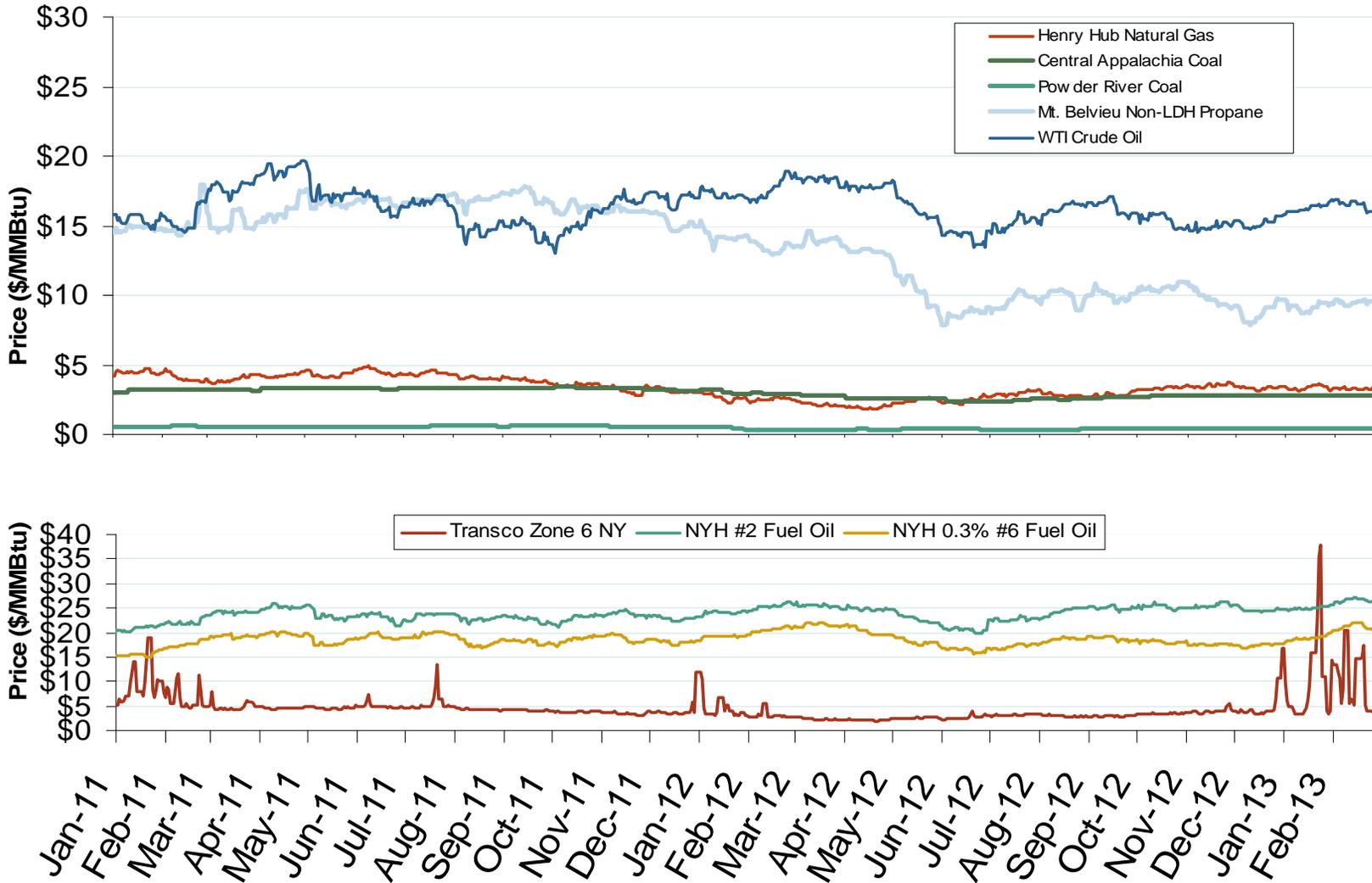
Notes: The final settlement day for this Nymex contract is three business days before the start of the contract term (which is the 1st day of the month)

Source: Derived from *Nymex* and *ICE* data
 March 2013 Southeast Snapshot Report

Updated: March 13, 2013

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Oil, Coal, Natural Gas and Propane Daily Spot Prices



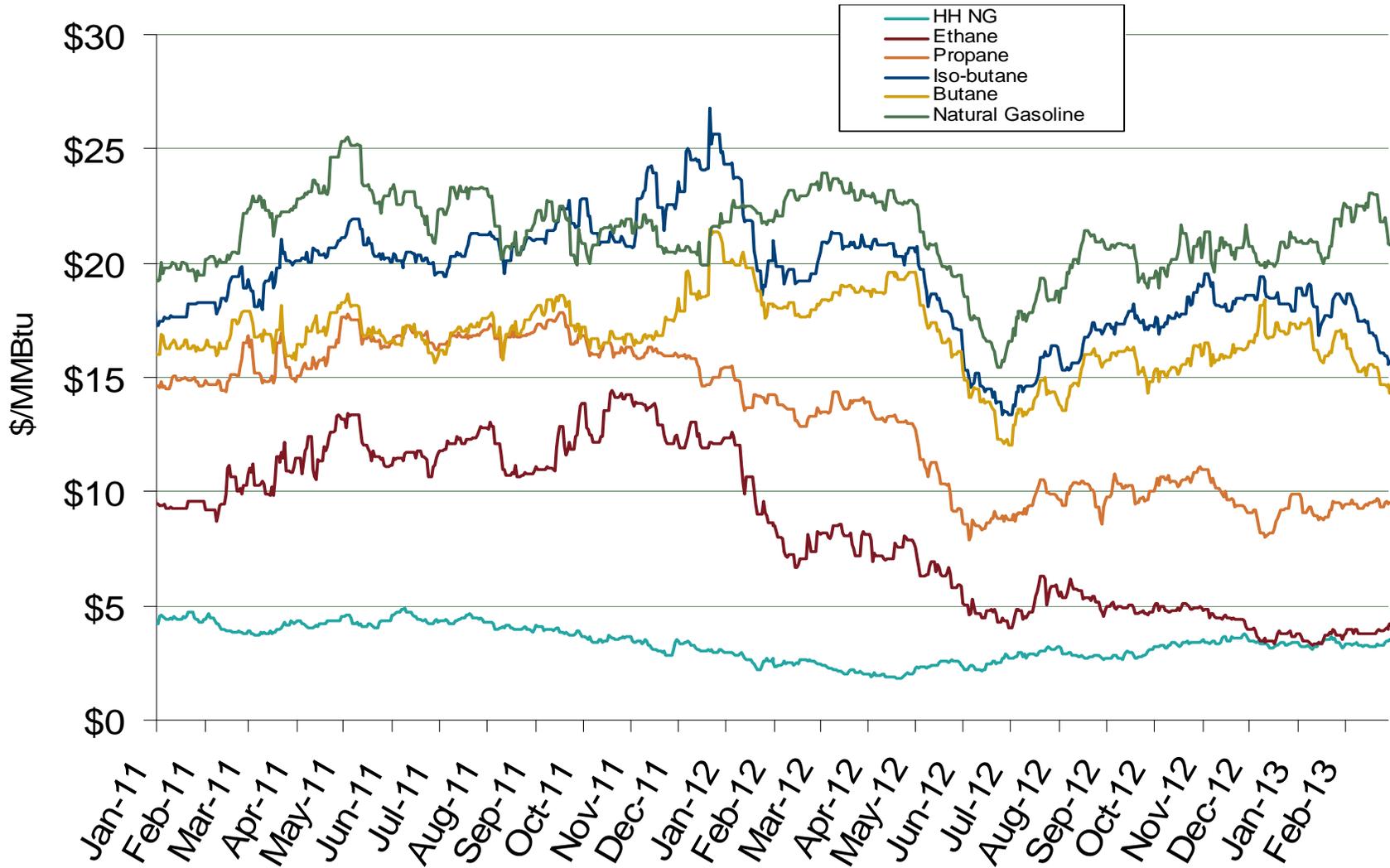
Notes: Coal prices are quoted in \$/ton. Conversion factors to \$/MMBtu are based on contract specifications of 12,000 btus/pound for Central Appalachian coal and 8800 btus/pound for Powder River Basin coal

Source: Derived from ICE and Bloomberg data

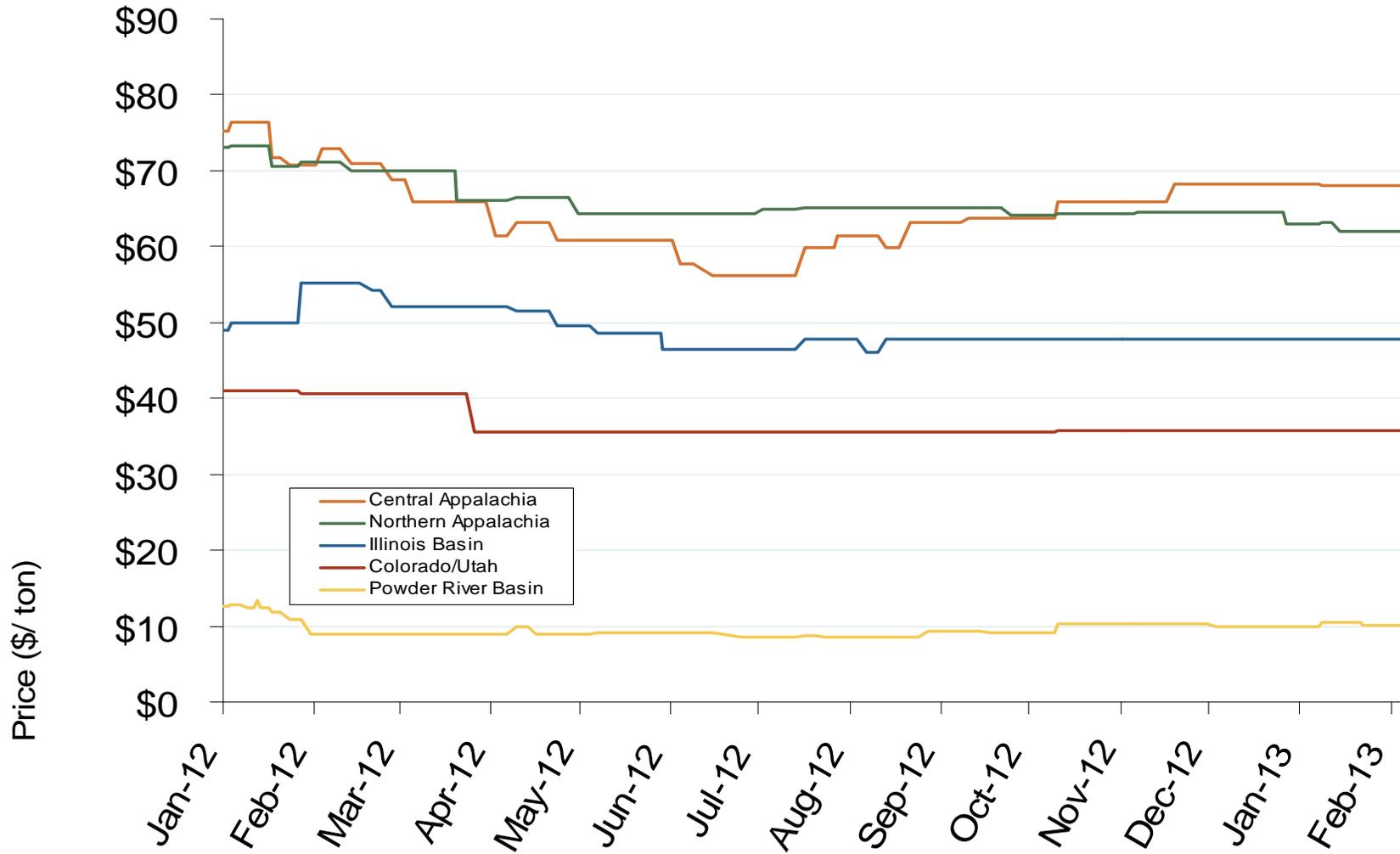
Updated: March 12, 2013

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



Central Appalachian and Powder River Basin Coal Prices



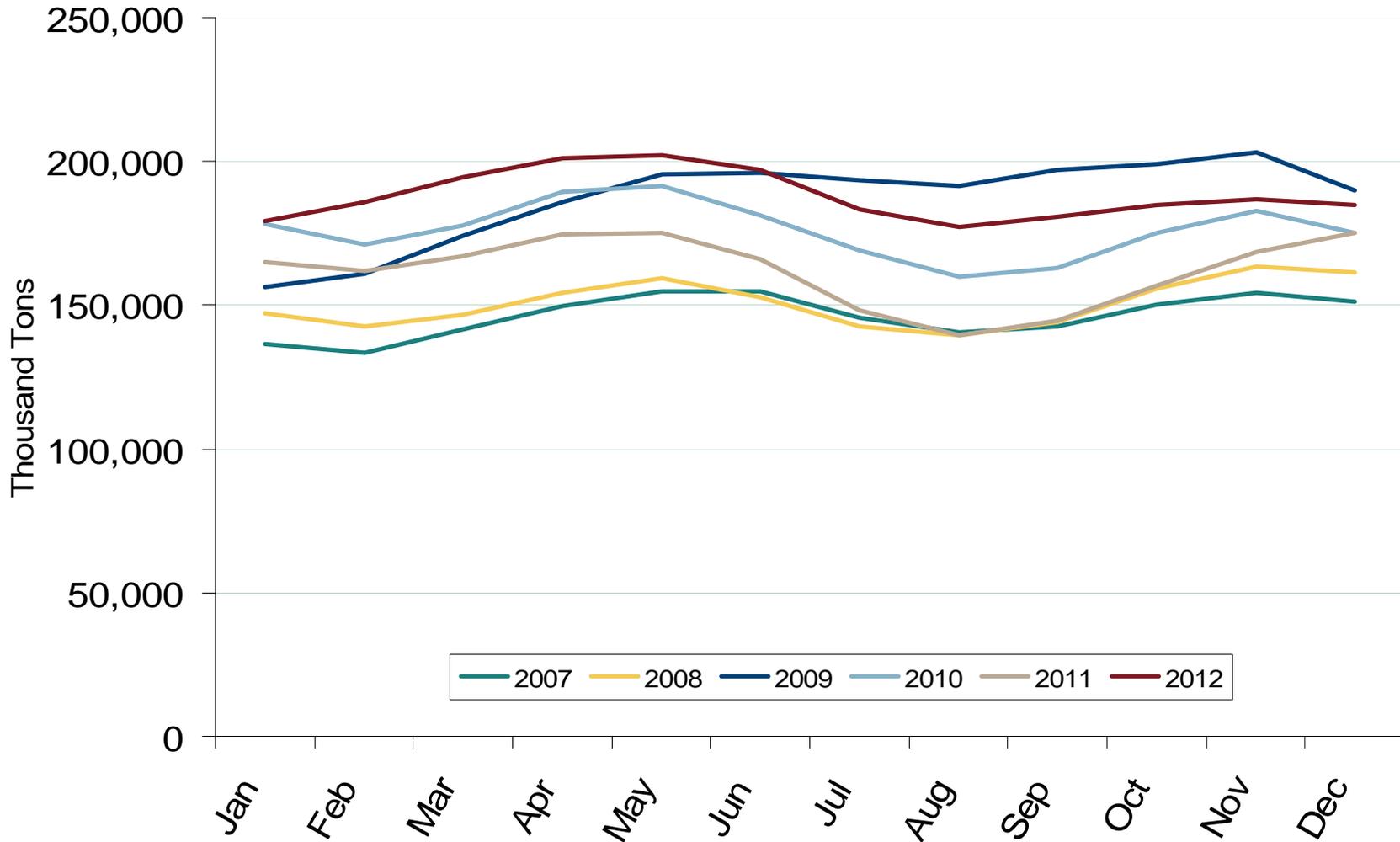
Notes: The Central Appalachian (CAPP) coal is priced at Big Sandy. All others are mine mouth prices. Prices do not include transportation costs to a plant, as those can vary widely by contract specifications. Prices exclude incremental cost of emissions allowances

Source: Derived from Bloomberg data

Updated: March 12, 2013

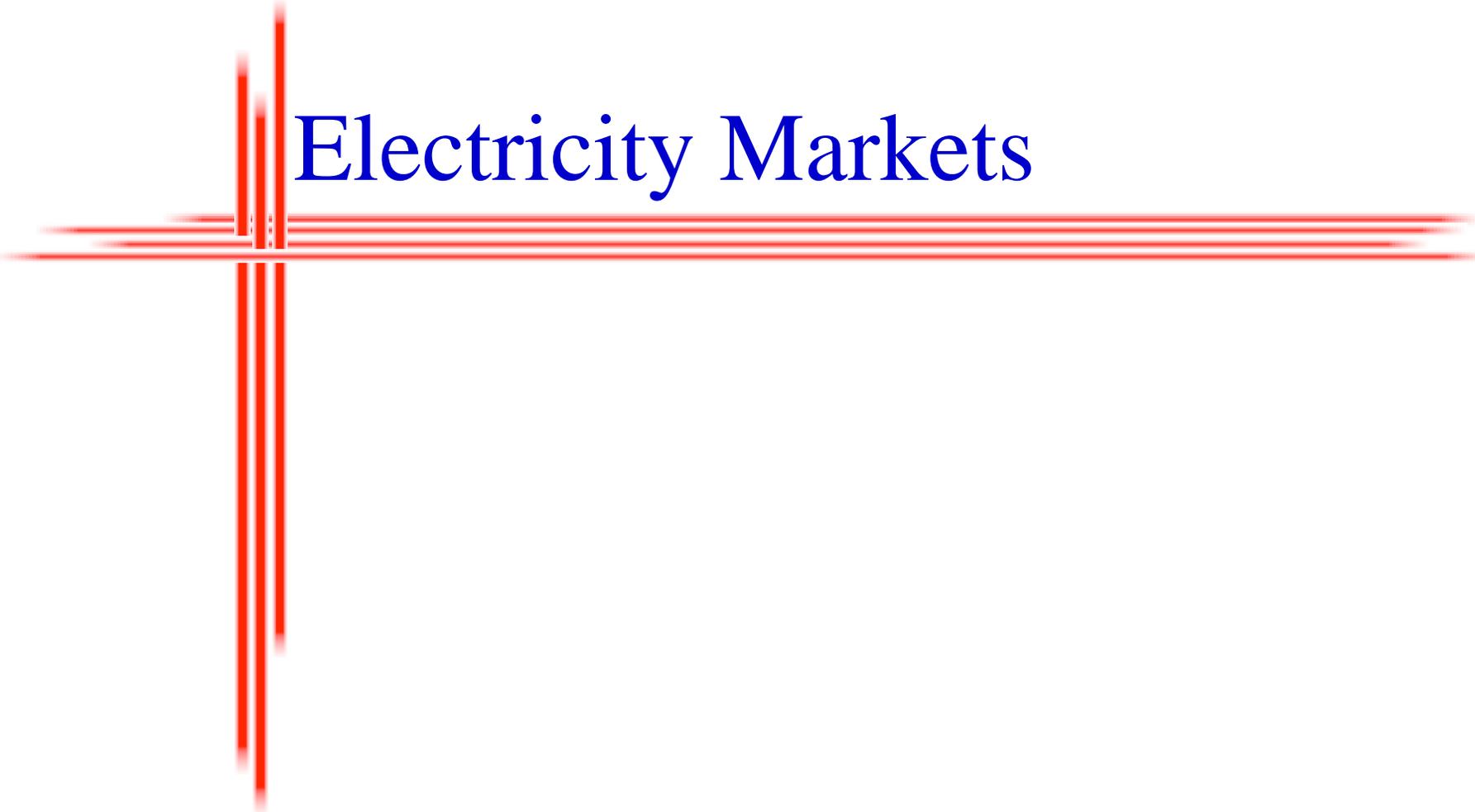
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U.S. Coal Stockpiles at Electric Power Generating Facilities



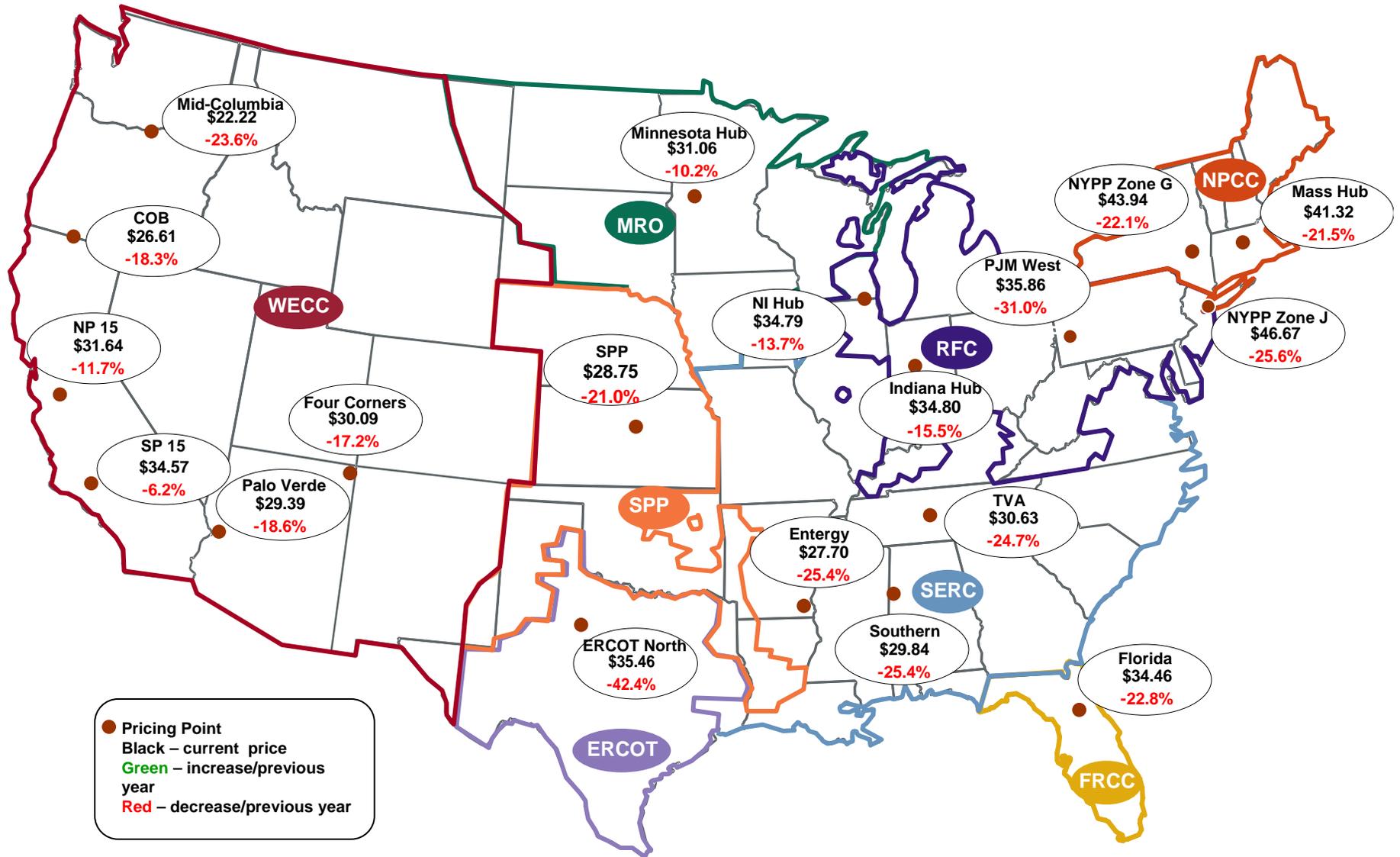
Source: Derived from EIA data. Excludes Industrial and Commercial Plants
March 2013 Southeast Snapshot Report

Updated: March 12, 2013



Electricity Markets

Average On-Peak Spot Electric Prices 2012 (\$/MWh)



Source: Derived from *Platts* data.
 March 2013 Southeast Snapshot Report

Updated: January 6, 2013

Regional Spot Prices: 2010-2012

	On-peak Spot Prices (\$/MWh)					Off-peak Spot Prices (\$/MWh)				
	2010	2011	2012	% Change 10-11	% Change 11-12	2010	2011	2012	% Change 10-11	% Change 11-12
Northeast										
Mass Hub	56.18	52.64	41.32	-6.3%	-21.5%	38.84	37.95	28.36	-2.3%	-25.3%
Ny Zone G	59.48	56.41	43.94	-5.2%	-22.1%	39.47	38.26	28.23	-3.1%	-26.2%
NY Zone J	65.76	62.71	46.67	-4.6%	-25.6%	40.37	39.19	28.63	-2.9%	-27.0%
NY Zone A	43.89	41.52	35.86	-5.4%	-13.6%	34.05	32.65	24.93	-4.1%	-23.6%
PJM West	53.68	51.99	35.86	-3.2%	-31.0%	35.81	33.94	26.29	-5.2%	-22.5%
Southeast										
VACAR	43.24	44.44	32.65	2.8%	-26.5%	29.18	30.23	22.86	3.6%	-24.4%
Southern	42.61	39.97	29.83	-6.2%	-25.4%	29.51	27.98	21.51	-5.2%	-23.1%
TVA	41.79	40.68	30.63	-2.7%	-24.7%	27.43	27.55	21.25	0.4%	-22.9%
Florida	50.81	44.62	34.46	-12.2%	-22.8%	31.59	31.27	23.49	-1.0%	-24.9%
Entergy	40.07	37.14	27.70	-7.3%	-25.4%	24.87	24.52	19.16	-1.4%	-21.9%
Midwest										
Indiana*	41.51	41.17	34.80	-0.8%	-15.5%	24.34	25.86	22.14	6.2%	-14.4%
Michigan Hub	43.68	42.73	36.27	-2.2%	-15.1%	26.84	27.52	24.10	2.5%	-12.4%
Minnesota Hub	36.86	34.57	31.06	-6.2%	-10.2%	17.61	16.39	17.49	-6.9%	6.7%
NI Hub	40.85	40.31	34.79	-1.3%	-13.7%	21.70	22.78	21.04	5.0%	-7.7%
Illinois Hub	38.22	38.12	32.12	-0.2%	-15.8%	20.44	22.20	20.00	8.6%	-9.9%
MA PP South	37.60	35.48	29.42	-5.6%	-17.1%	21.76	19.90	18.93	-8.5%	-4.9%
South Central										
SPP North	38.71	36.41	28.75	-5.9%	-21.0%	21.51	20.42	18.73	-5.1%	-8.3%
ERCOT North	41.15	61.55	35.46	49.6%	-42.4%	26.97	25.74	18.63	-4.6%	-27.6%
Southwest										
Four Corners	39.68	36.34	30.09	-8.4%	-17.2%	27.02	20.45	20.64	-24.3%	0.9%
Palo Verde	38.76	36.10	29.39	-6.9%	-18.6%	27.72	21.57	20.78	-22.2%	-3.7%
Mead	40.11	36.92	30.75	-8.0%	-16.7%	29.37	22.34	21.97	-23.9%	-1.7%
Northwest										
Mid-C	35.90	29.10	22.22	-19.0%	-23.6%	29.19	19.98	18.33	-31.6%	-8.2%
COB	38.84	32.55	26.61	-16.2%	-18.3%	29.86	19.92	17.92	-33.3%	-10.0%
California										
NP15	40.08	35.81	31.64	-10.6%	-11.7%	29.89	21.26	22.53	-28.9%	6.0%
SP15	40.21	36.87	34.57	-8.3%	-6.2%	29.14	21.78	23.28	-25.3%	6.9%

Note: Effective January 1, 2012, Platts replaced the Cinergy Hub with the Indiana Hub.

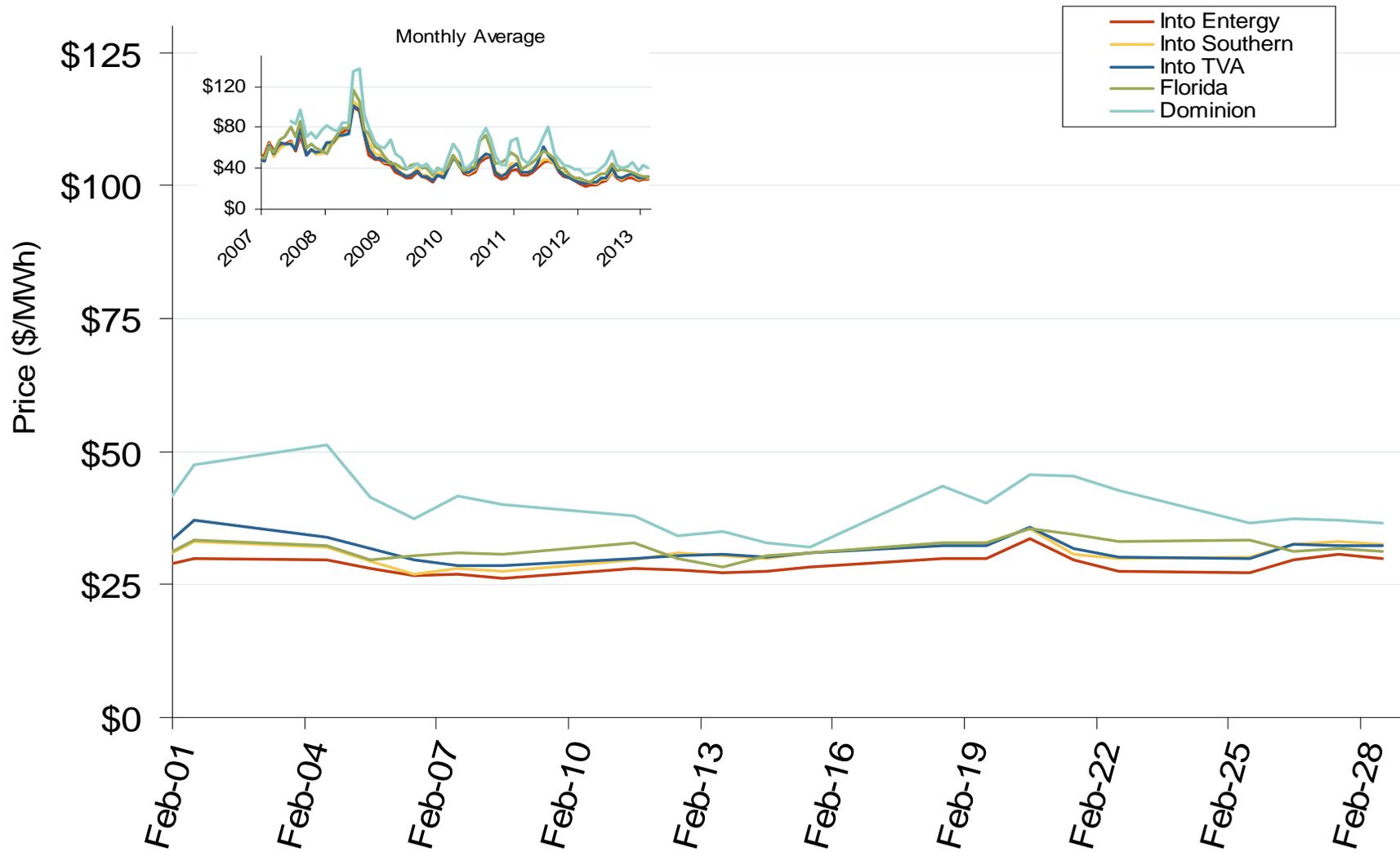
March 2013 Southeast Snapshot Report

Southeast Annual Average Bilateral Prices

Annual Average Day Ahead On Peak Prices (\$/MWh)						
	2008	2009	2010	2011	2012	5-Year Avg
VACAR	\$70.86	\$36.42	\$43.24	\$44.44	\$32.65	\$45.55
Southern	\$70.13	\$36.58	\$42.61	\$39.97	\$29.83	\$43.86
TVA	\$69.01	\$34.91	\$41.79	\$40.68	\$30.63	\$43.44
Florida	\$74.66	\$40.75	\$50.81	\$44.62	\$34.39	\$49.08
Entergy	\$68.49	\$33.57	\$40.07	\$37.14	\$27.75	\$41.44

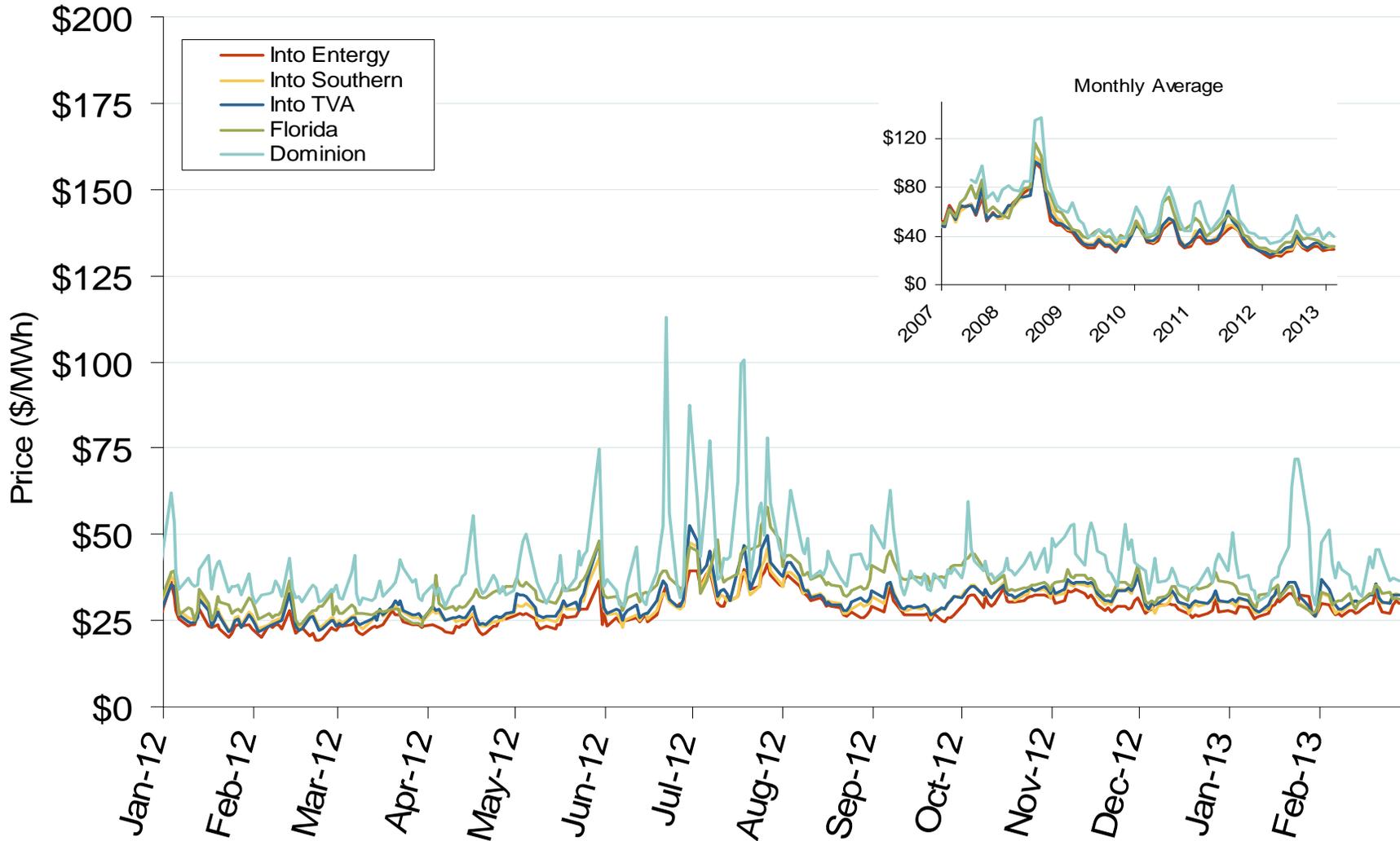
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Southeastern Daily Index Day-Ahead On-Peak Prices



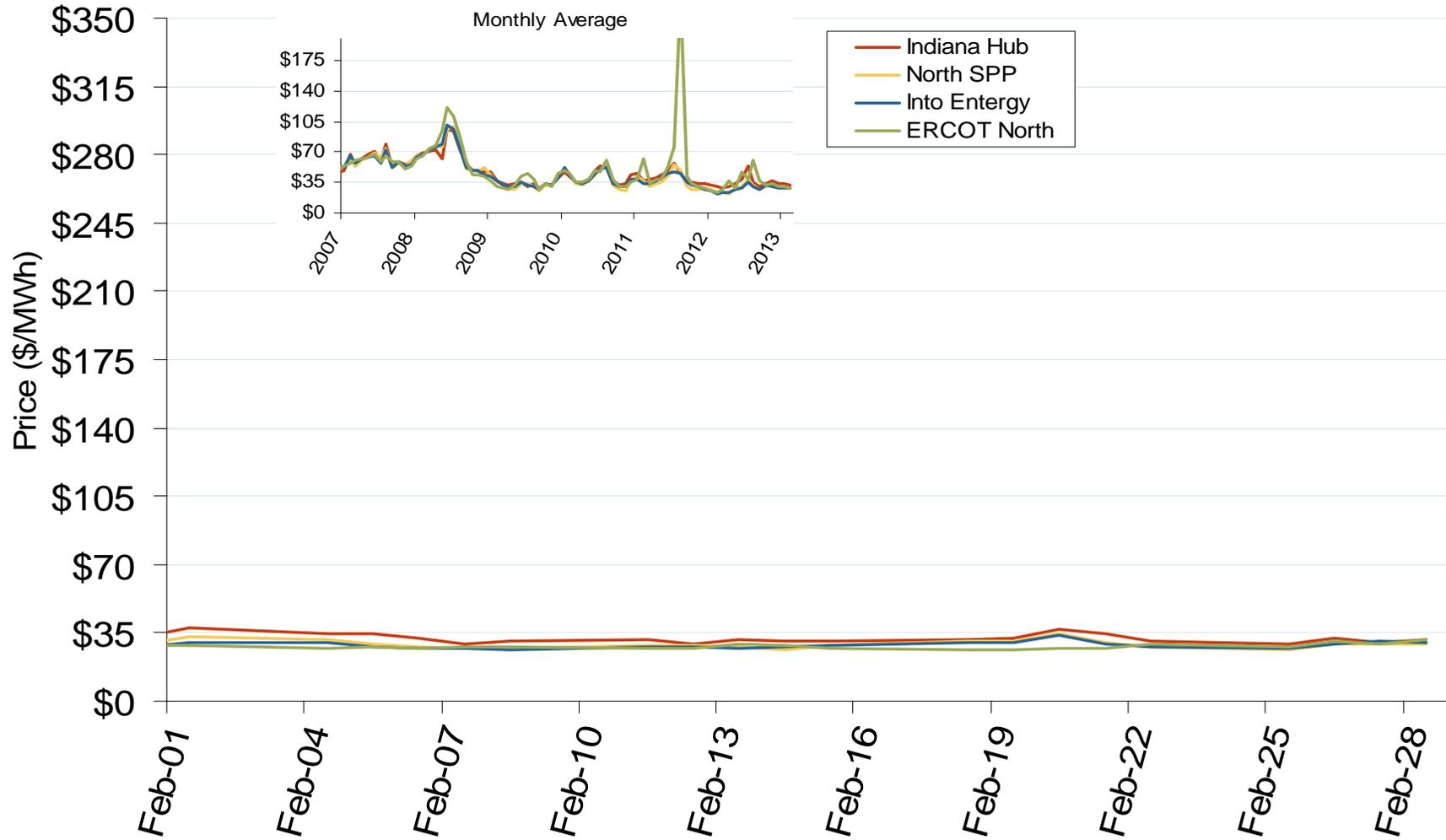
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Southeastern Daily Index Day-Ahead On-Peak Prices



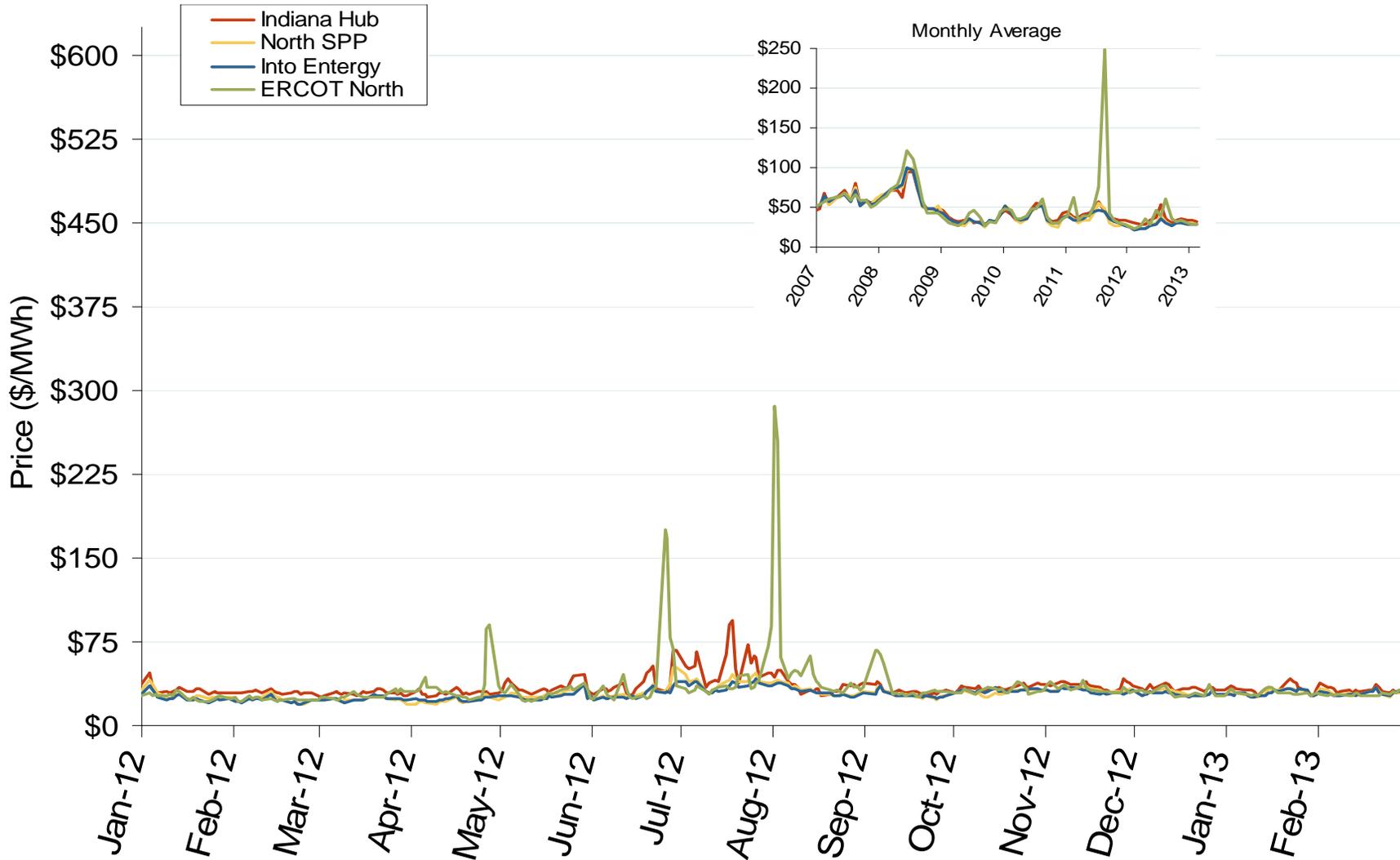
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Midwestern Daily Index Day-Ahead On-Peak Prices



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Midwestern Daily Index Day-Ahead On-Peak Prices

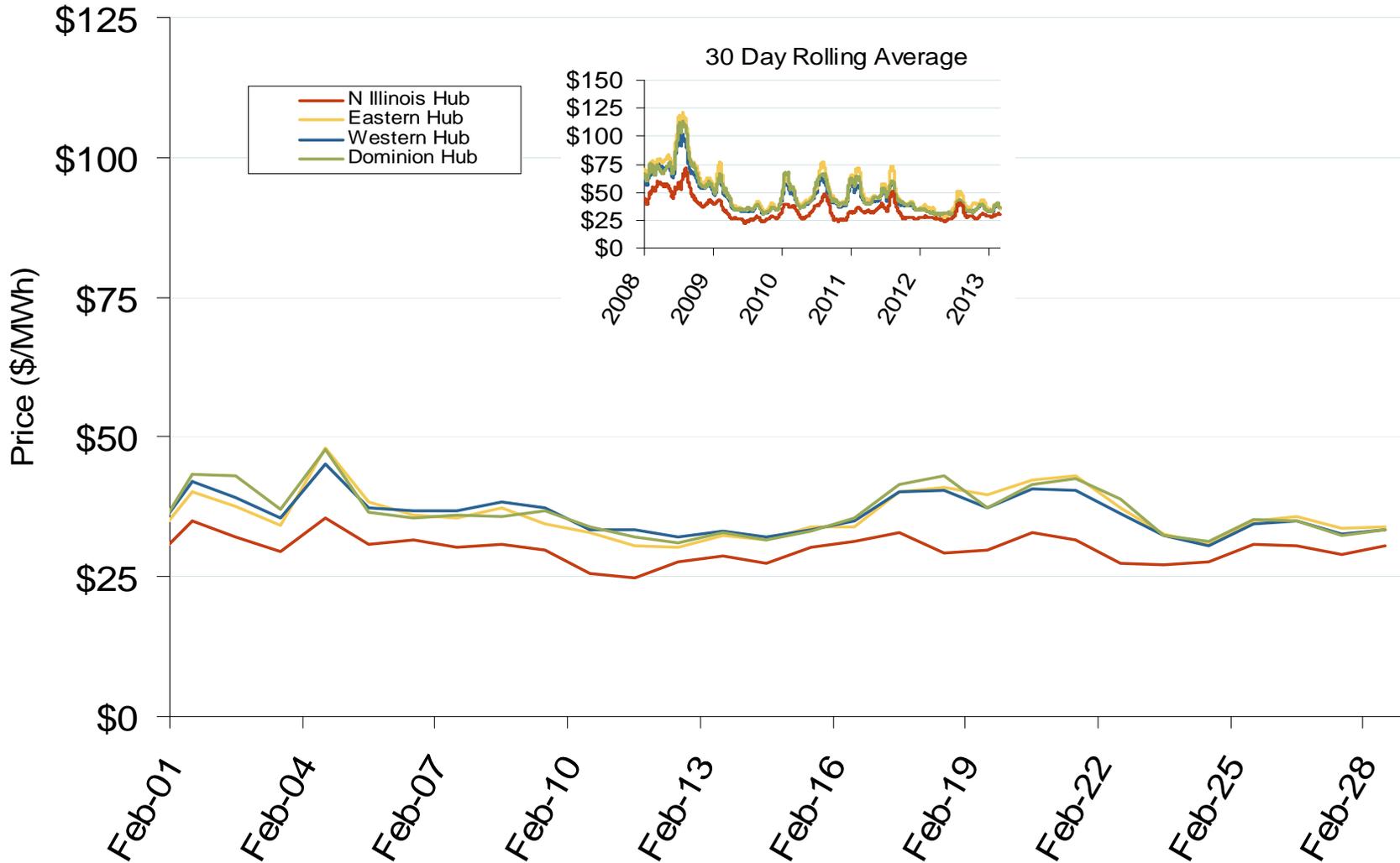


PJM Annual Average Bilateral Prices

Annual Average Day Ahead On Peak Prices (\$/MWh)						
	2008	2009	2010	2011	2012	5-Year Avg
Mass Hub	\$91.55	\$46.24	\$56.18	\$52.64	\$42.06	\$57.75
Ny Zone G	\$100.99	\$49.80	\$59.48	\$56.41	\$44.35	\$62.22
NY Zone J	\$112.63	\$55.77	\$65.76	\$62.71	\$46.95	\$68.79
NY Zone A	\$68.34	\$35.54	\$43.89	\$41.52	\$35.82	\$45.03
PJM West	\$83.70	\$44.60	\$53.68	\$51.99	\$40.86	\$54.98

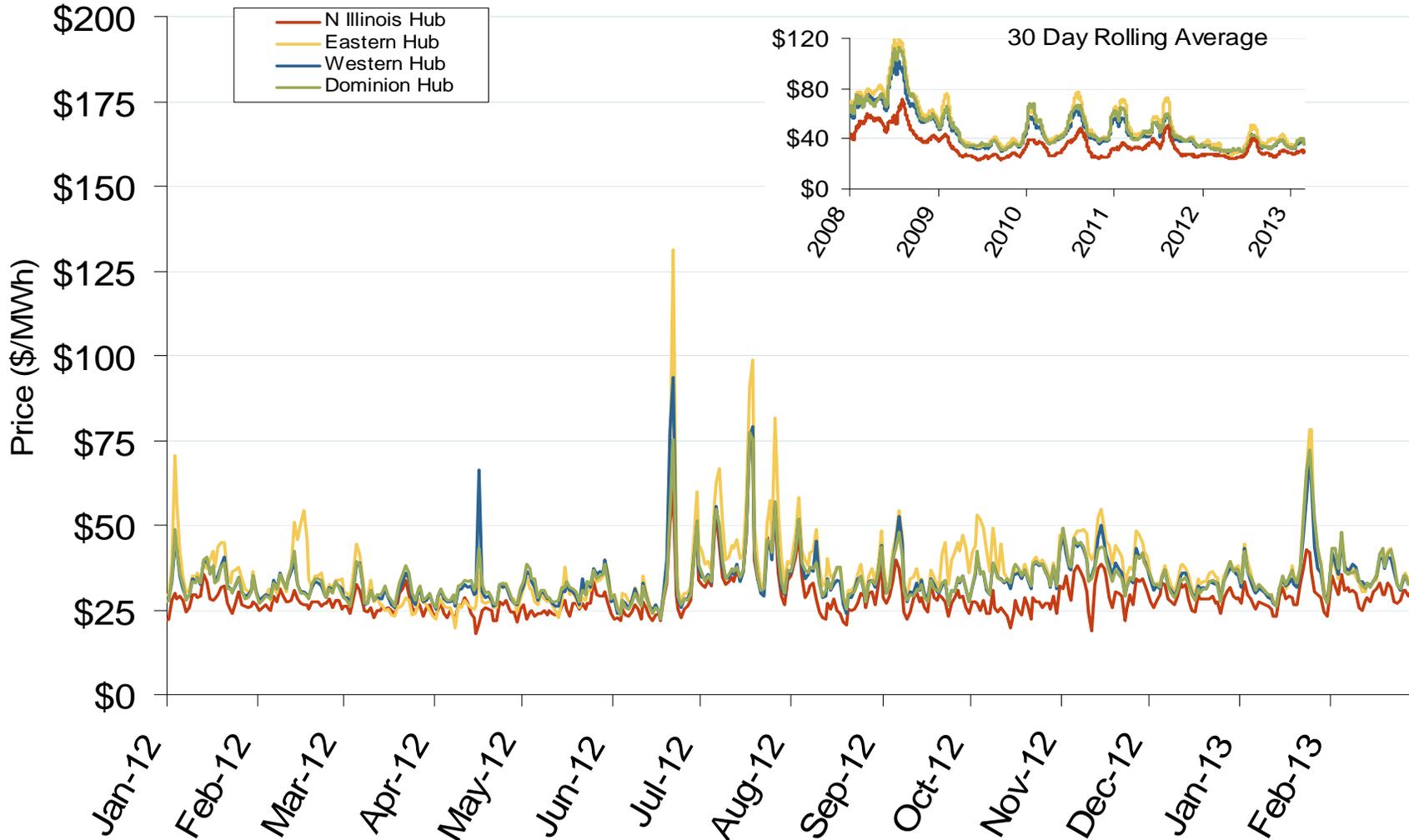
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Daily Average of PJM Day-Ahead Prices - All Hours



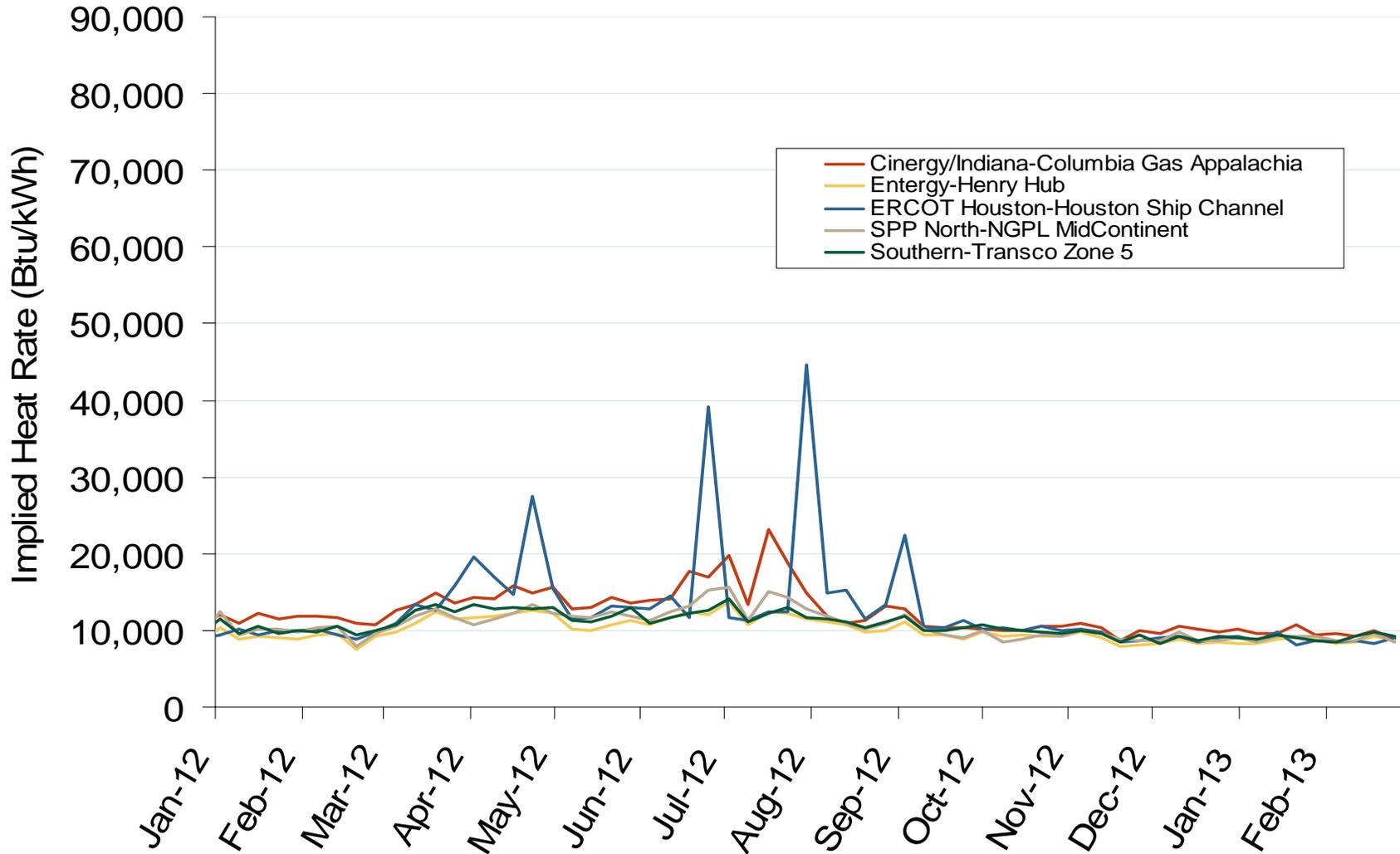
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Daily Average of PJM Day-Ahead Prices - All Hours



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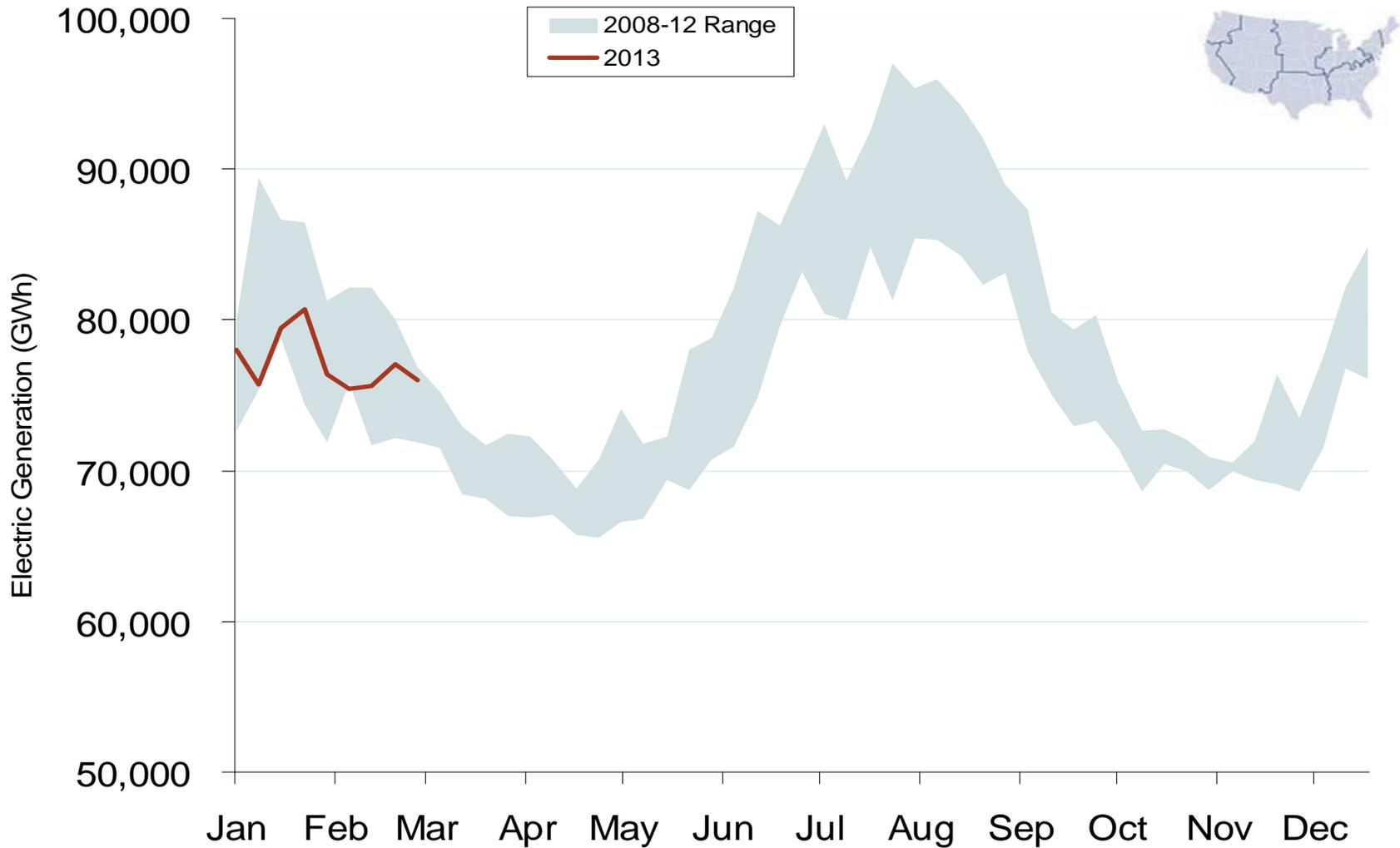
Implied Heat Rates at South Central Trading Points - Weekly Avgs.



Source: Derived from *Platts* on-peak electric and natural gas price data
March 2013 Southeast Snapshot Report

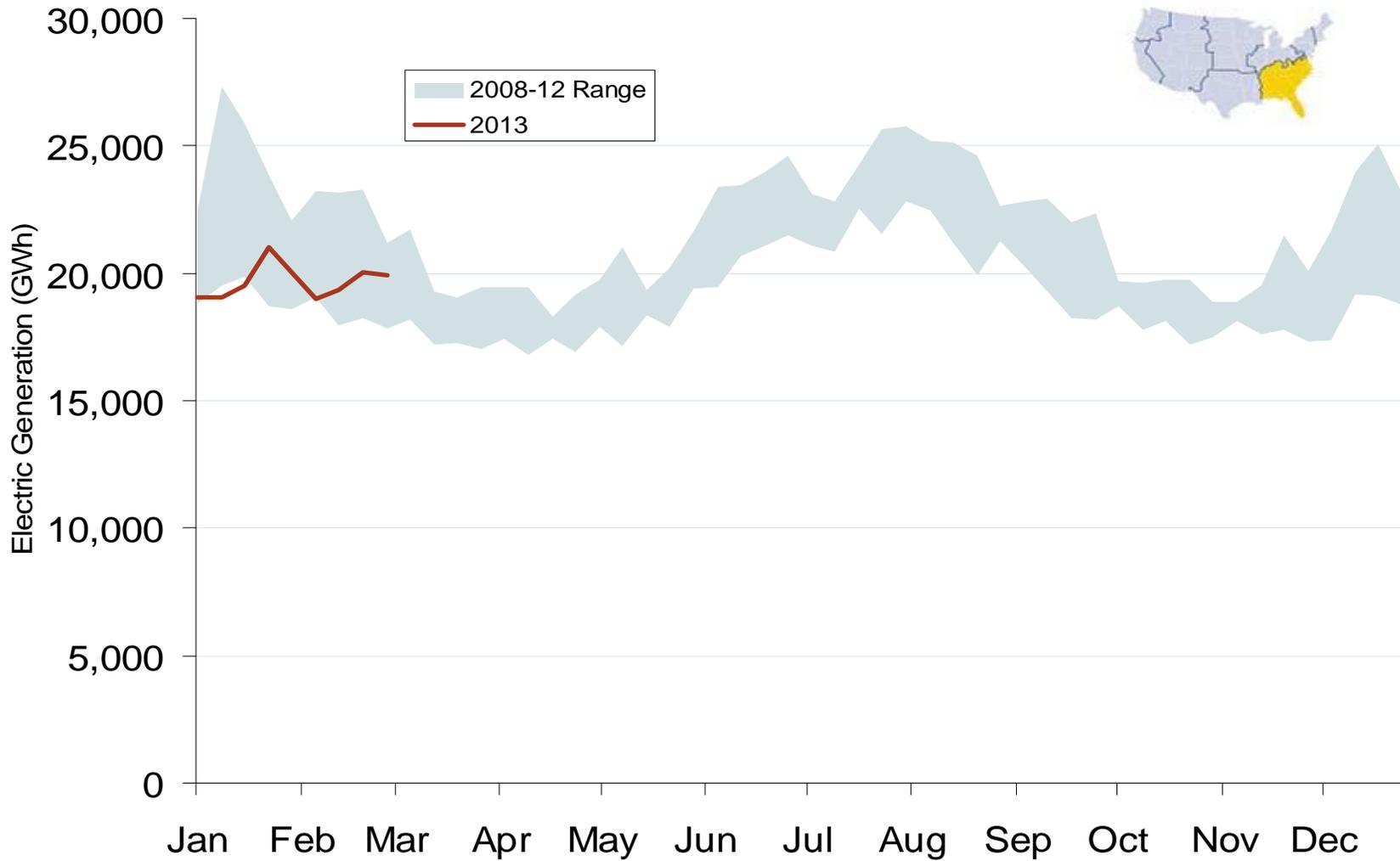
Updated: March 04, 2013

Weekly U.S. Electric Generation Output

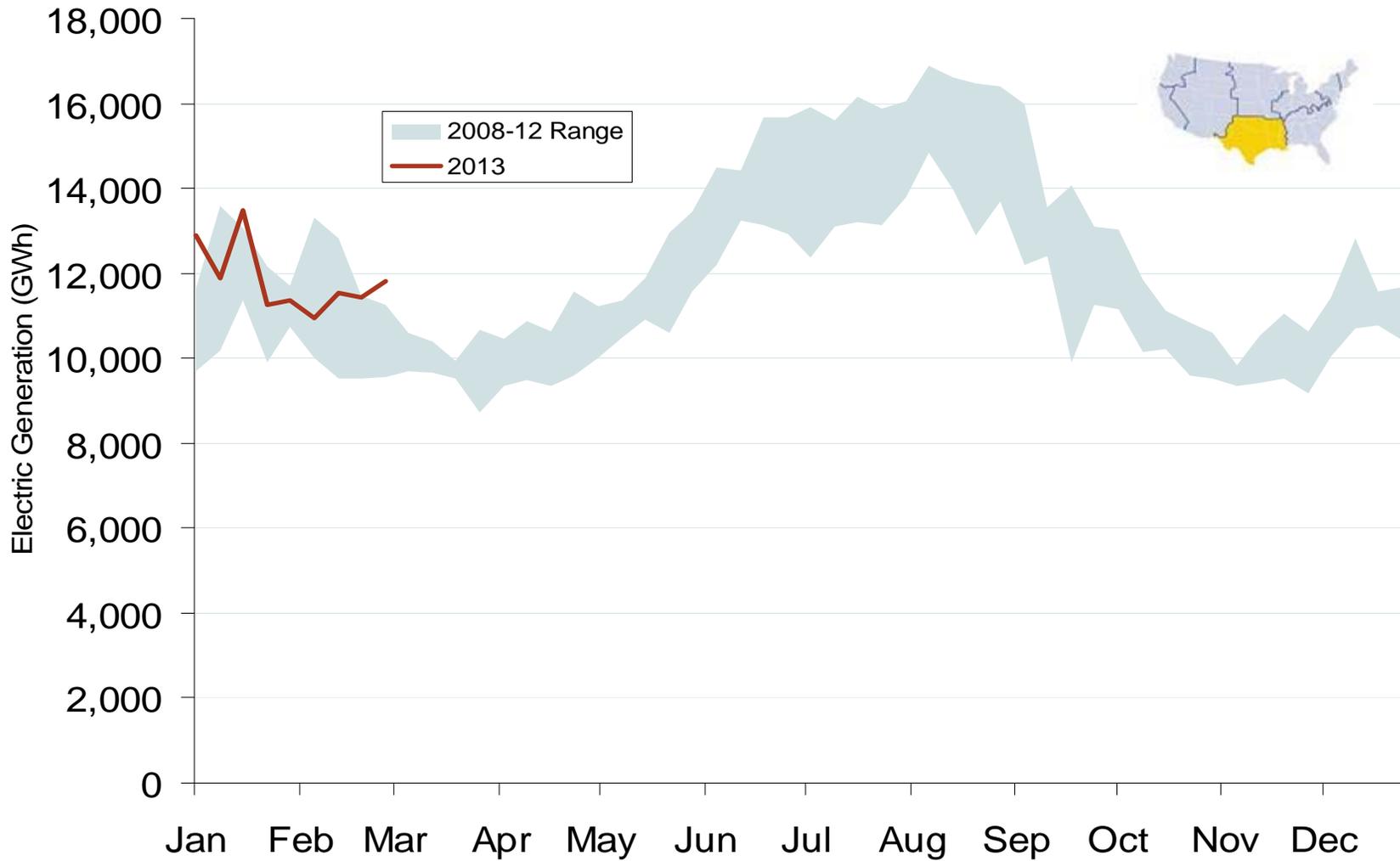


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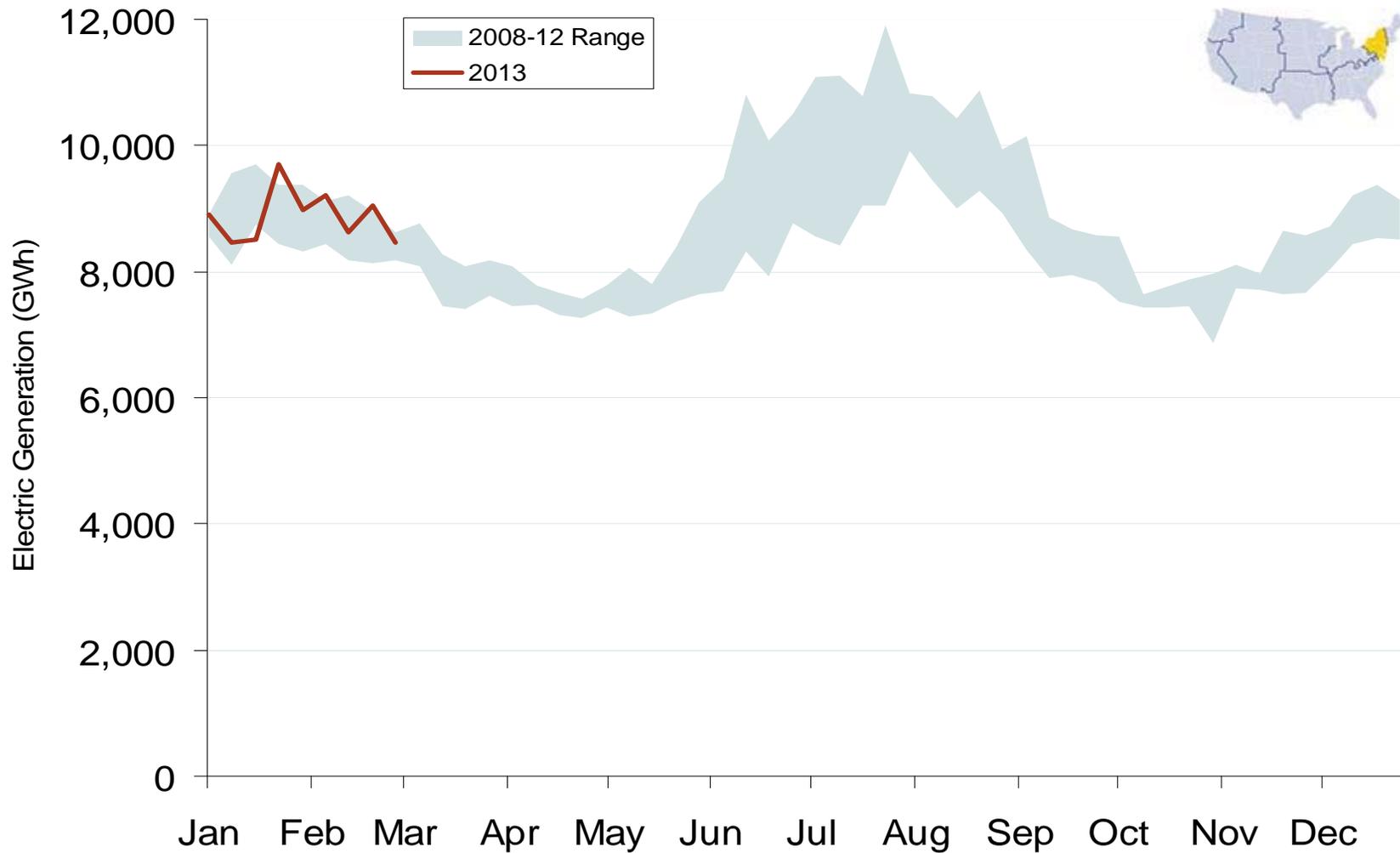
Weekly Generation Output - Southeast



Weekly Generation Output - South Central



Weekly Generation Output - Mid Atlantic



Monthly Southeastern Hydroelectric Generation

