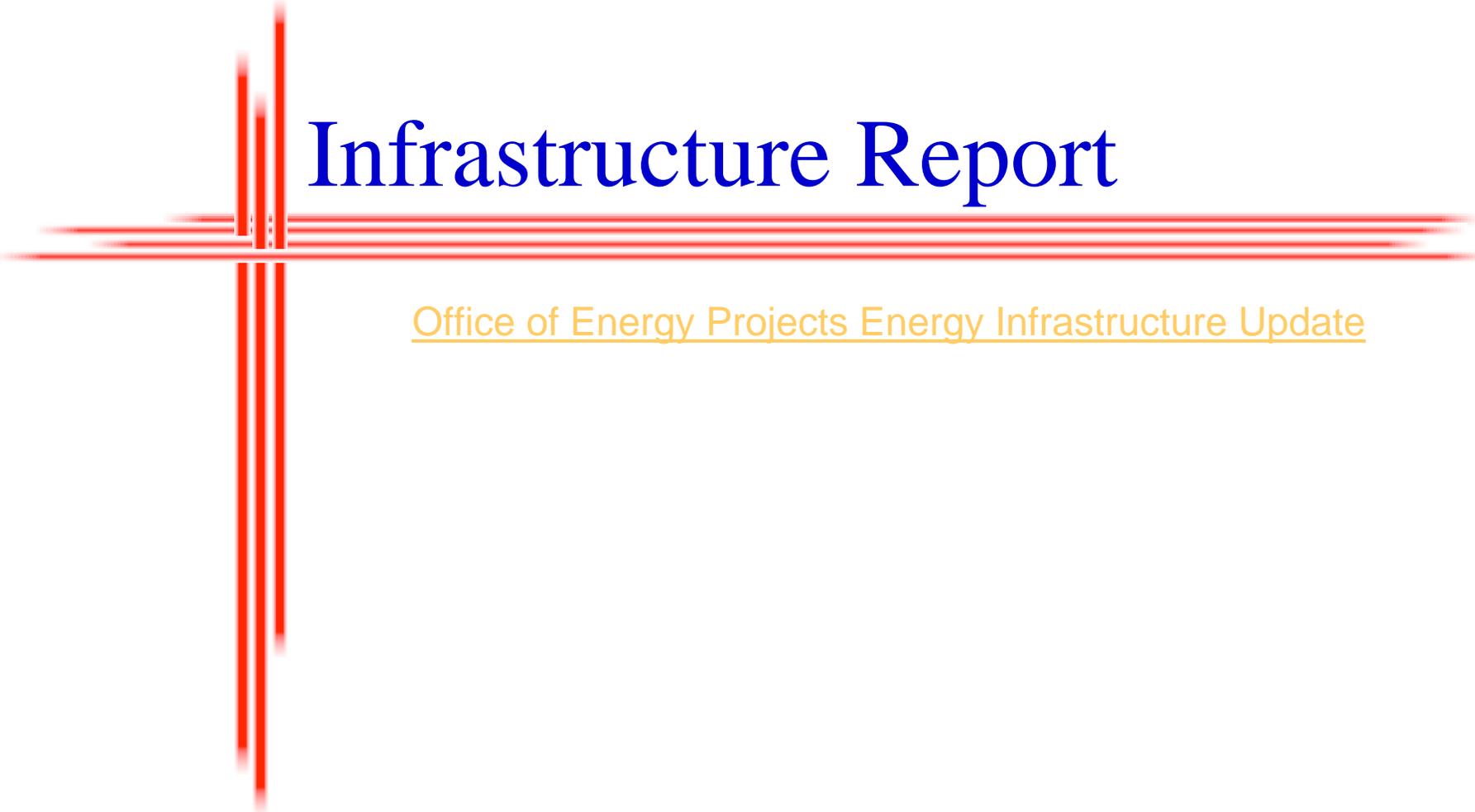


OE ENERGY MARKET SNAPSHOT

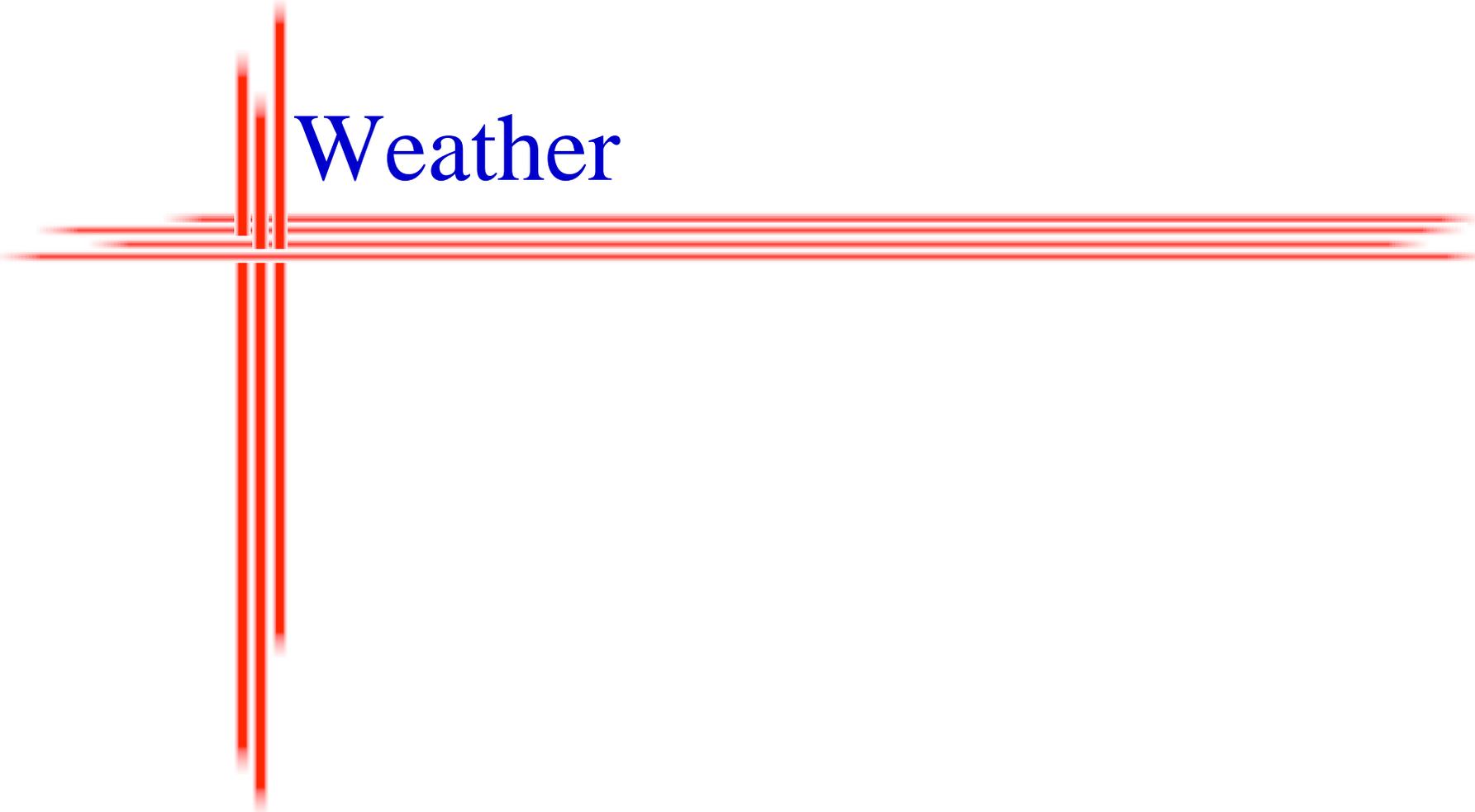
Southeast States Version – June 2013 Data

Office of Enforcement
Federal Energy Regulatory Commission
July 2013



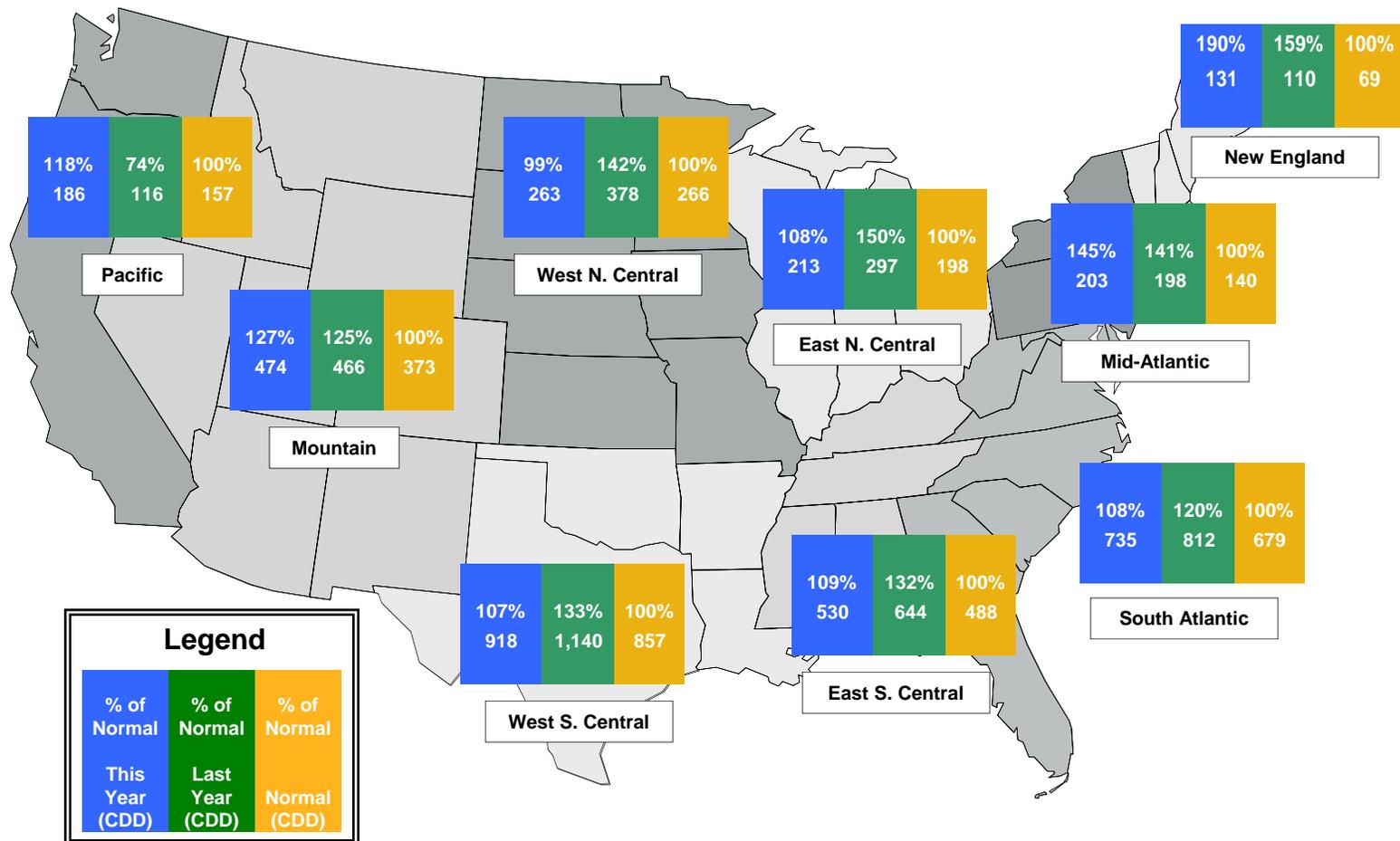
Infrastructure Report

Office of Energy Projects Energy Infrastructure Update



Weather

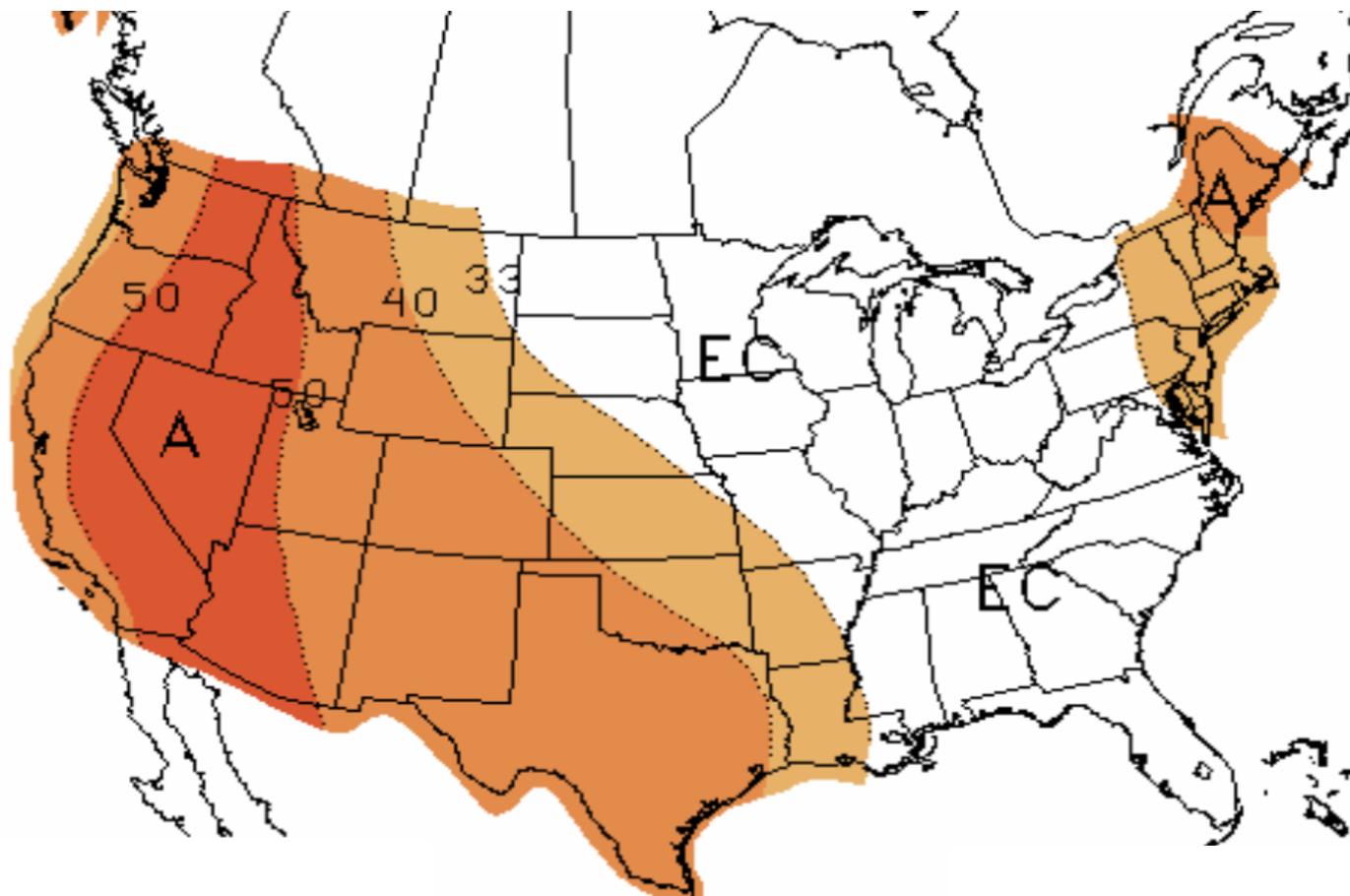
Regional Cooling Degree Days – January to July 2013



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

Updated: July 17, 2013

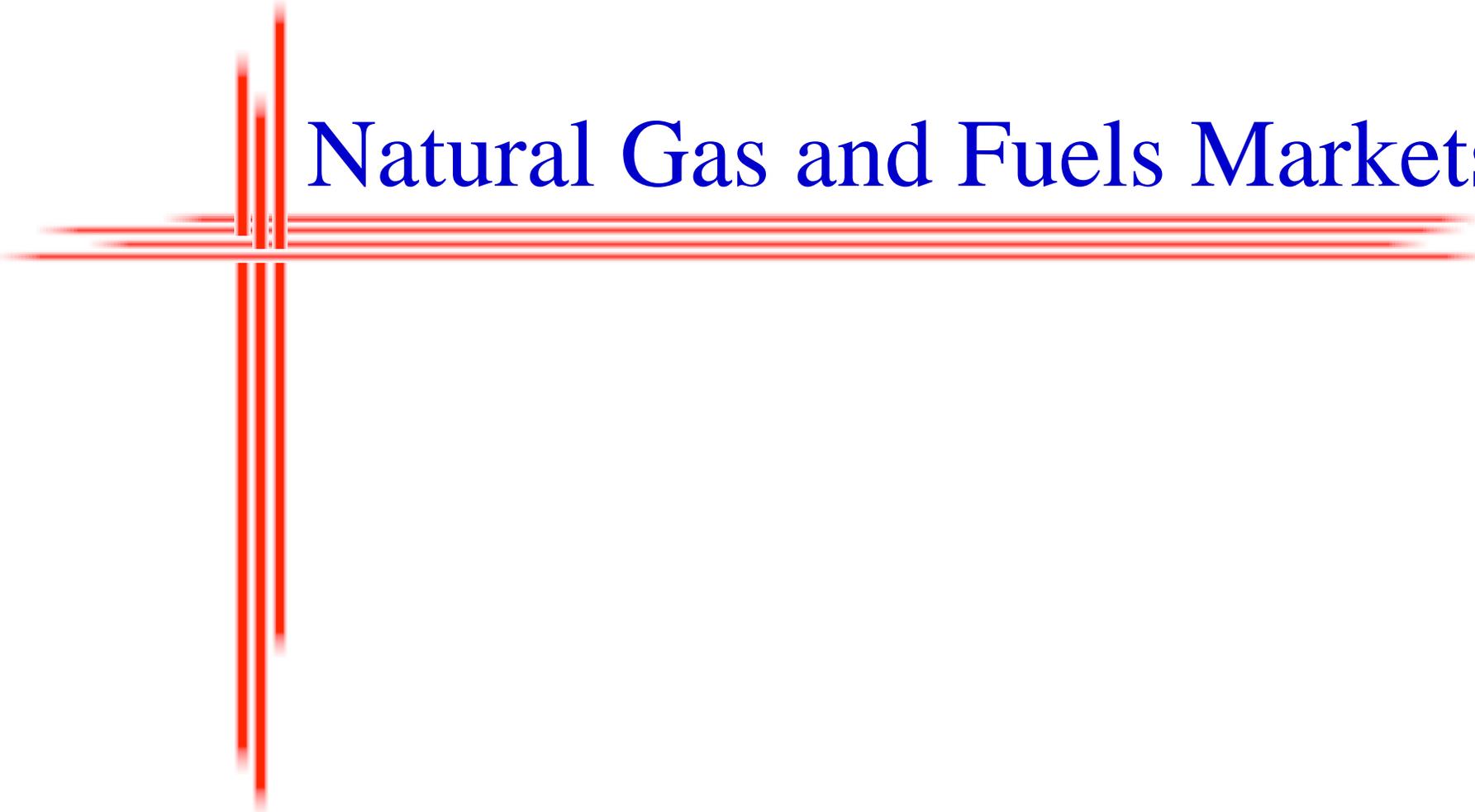
NOAA's 3 Month Temperature Forecast Made July 18, 2013, Valid for August 2013 – September 2013



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.

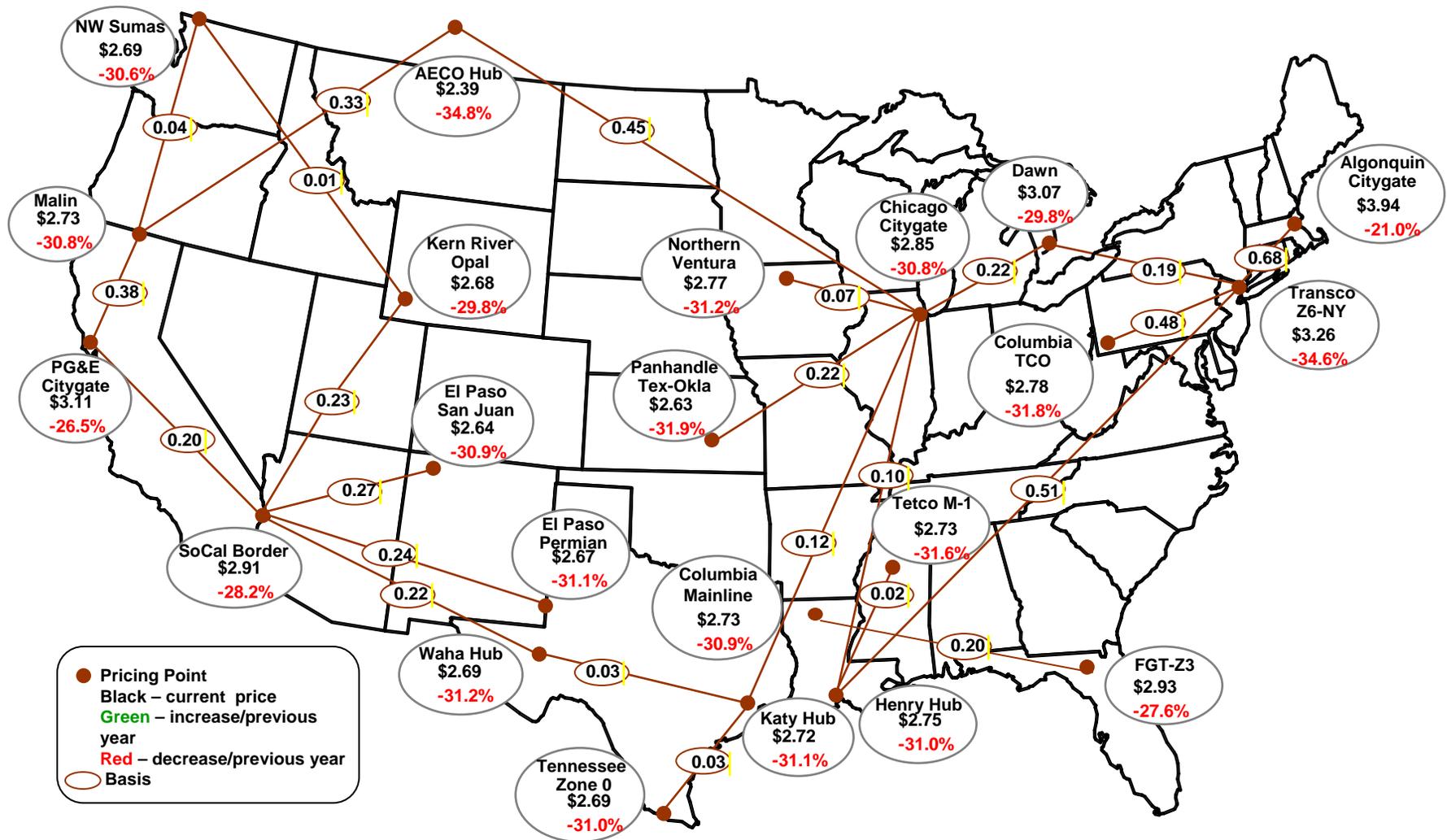
Source: Derived from NOAA data.

Updated: July 19, 2013



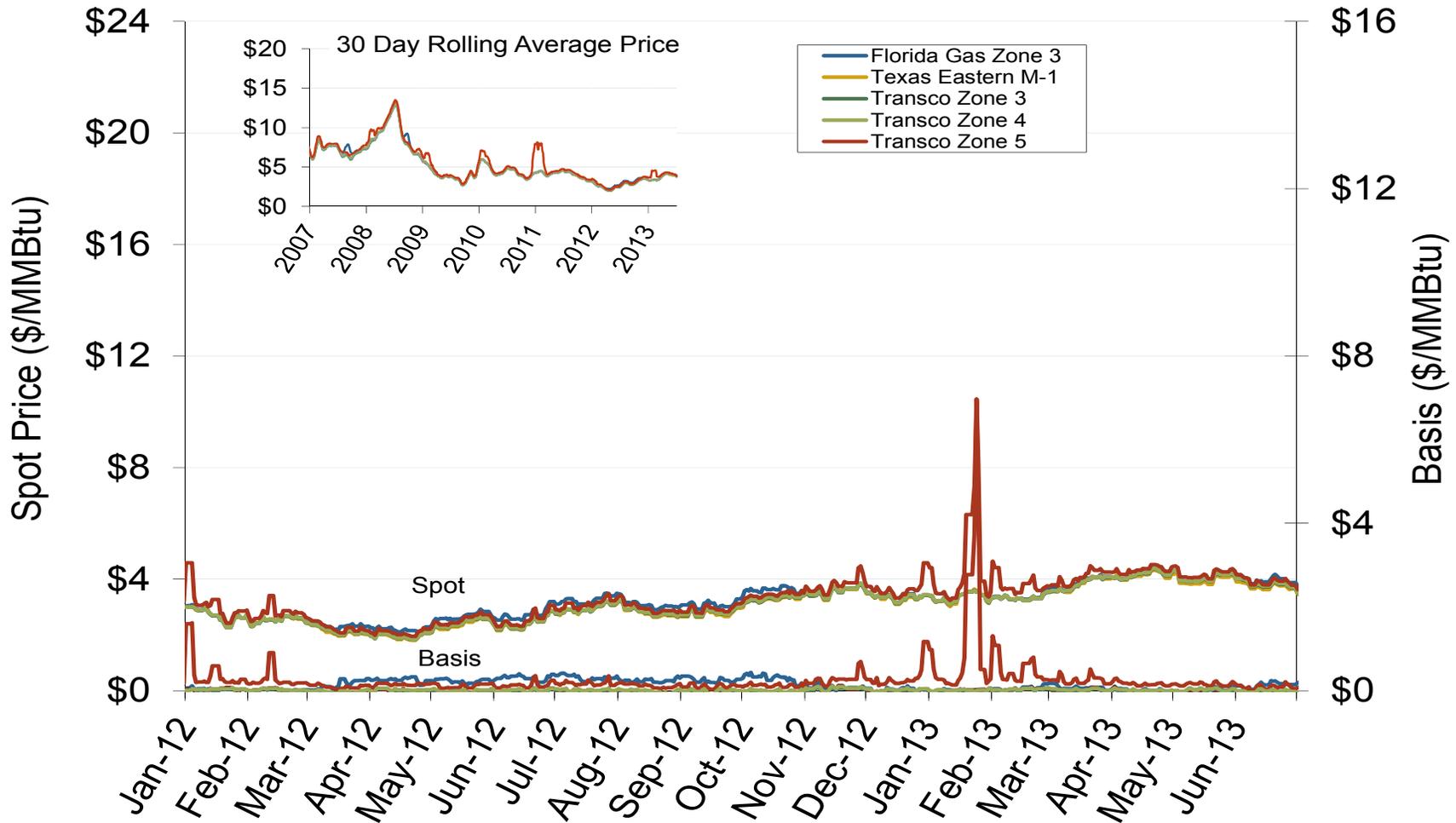
Natural Gas and Fuels Markets

Average Spot Gas Prices, 2012 (\$MMBtu)



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

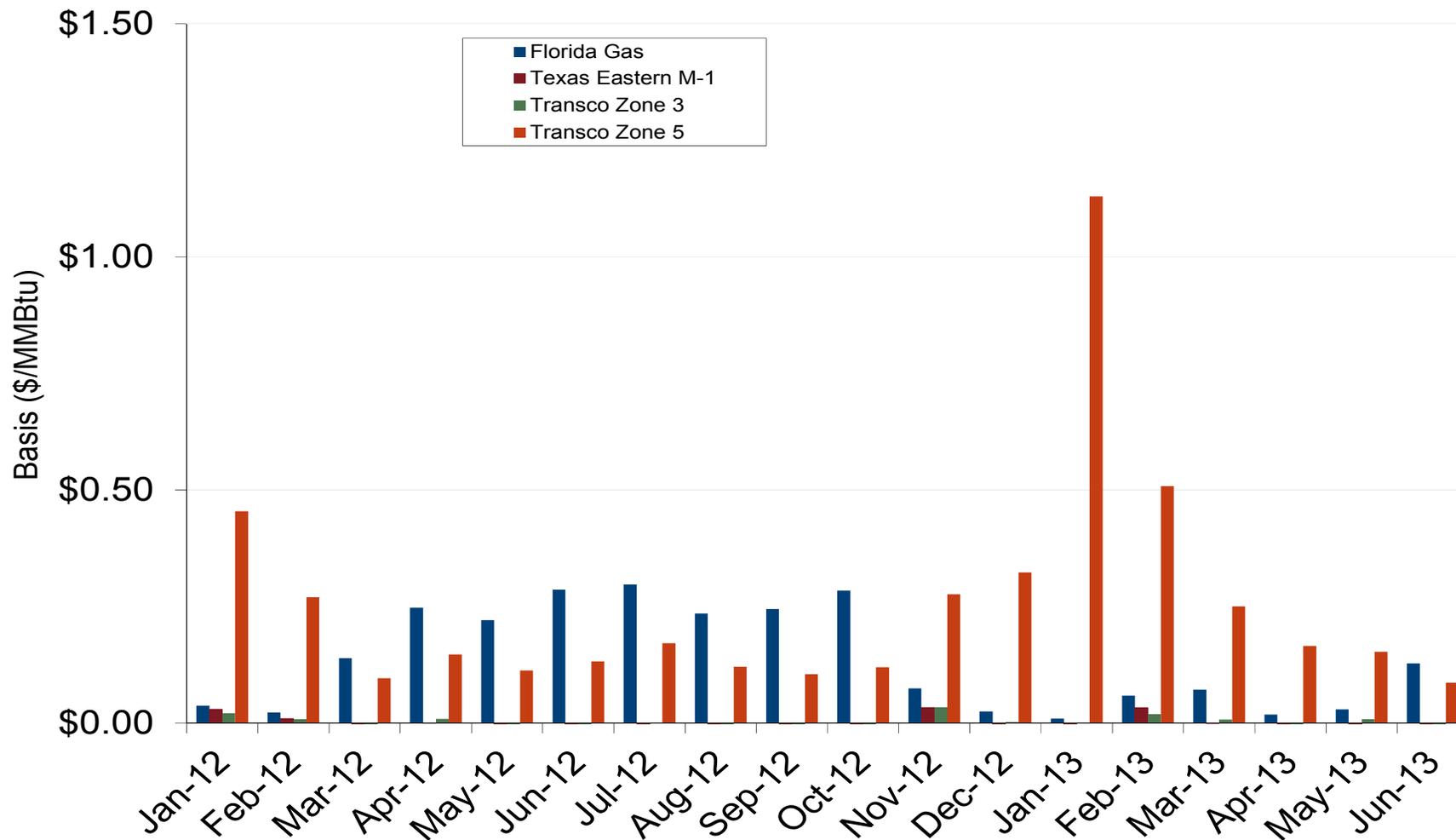
Southeastern Day-Ahead Hub Spot Prices and Basis



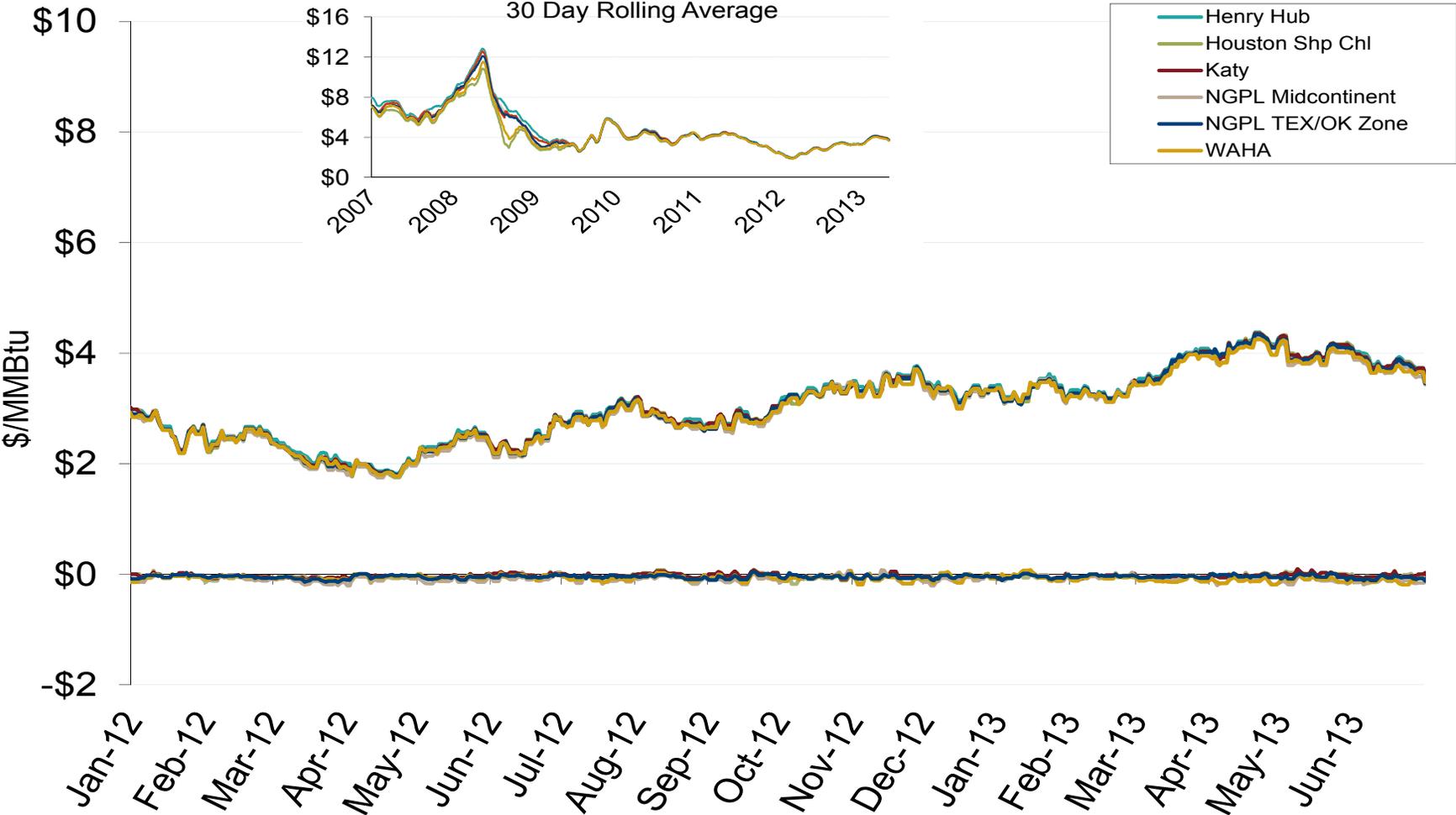
Southeast Natural Gas Market: Average Basis to Henry Hub

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

Southeastern Monthly Average Basis Value to Henry Hub



Gulf Day-Ahead Hub Spot Prices and Basis



Source: Derived from *Platts* data
July 2013 Southeast Snapshot Report

Updated: July 05, 2013

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Gulf Monthly Average Basis Value to Henry Hub



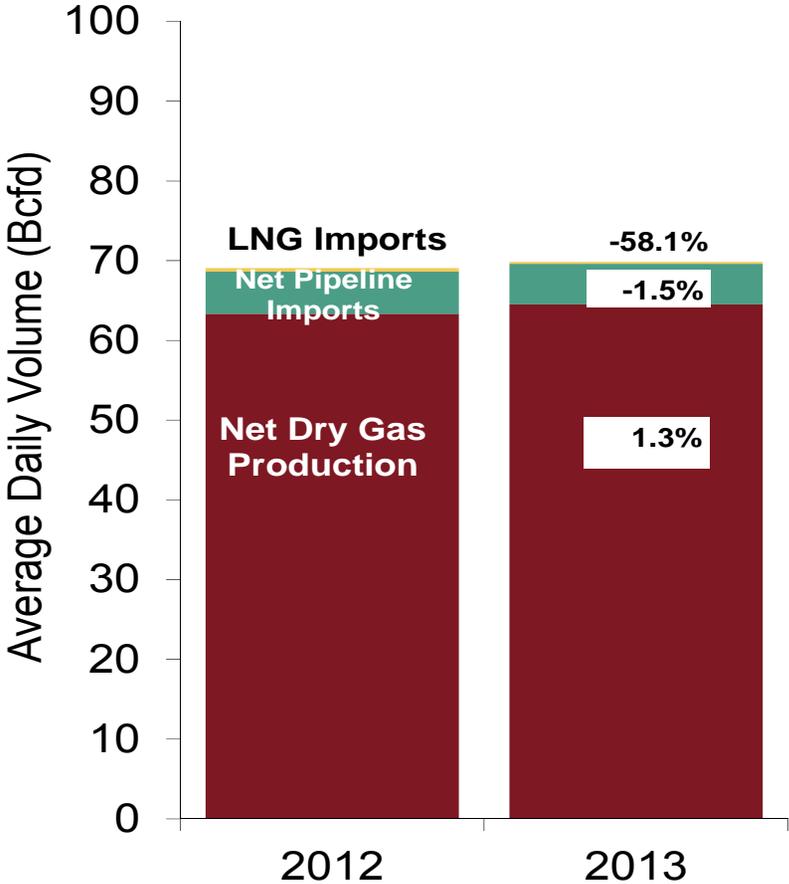
Source: Derived from Platts data
July 2013 Southeast Snapshot Report

Updated: July 05, 2013

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

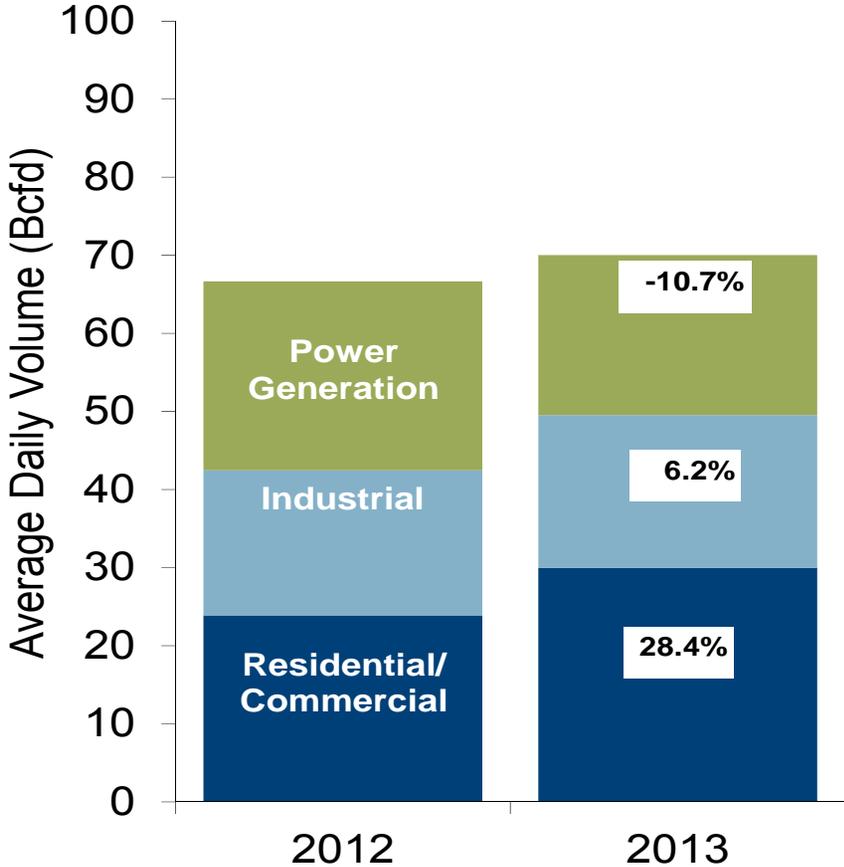
US Natural Gas Supply

Total Change in Supply 0.0%



US Natural Gas Demand

Total Change in Demand 10.4%

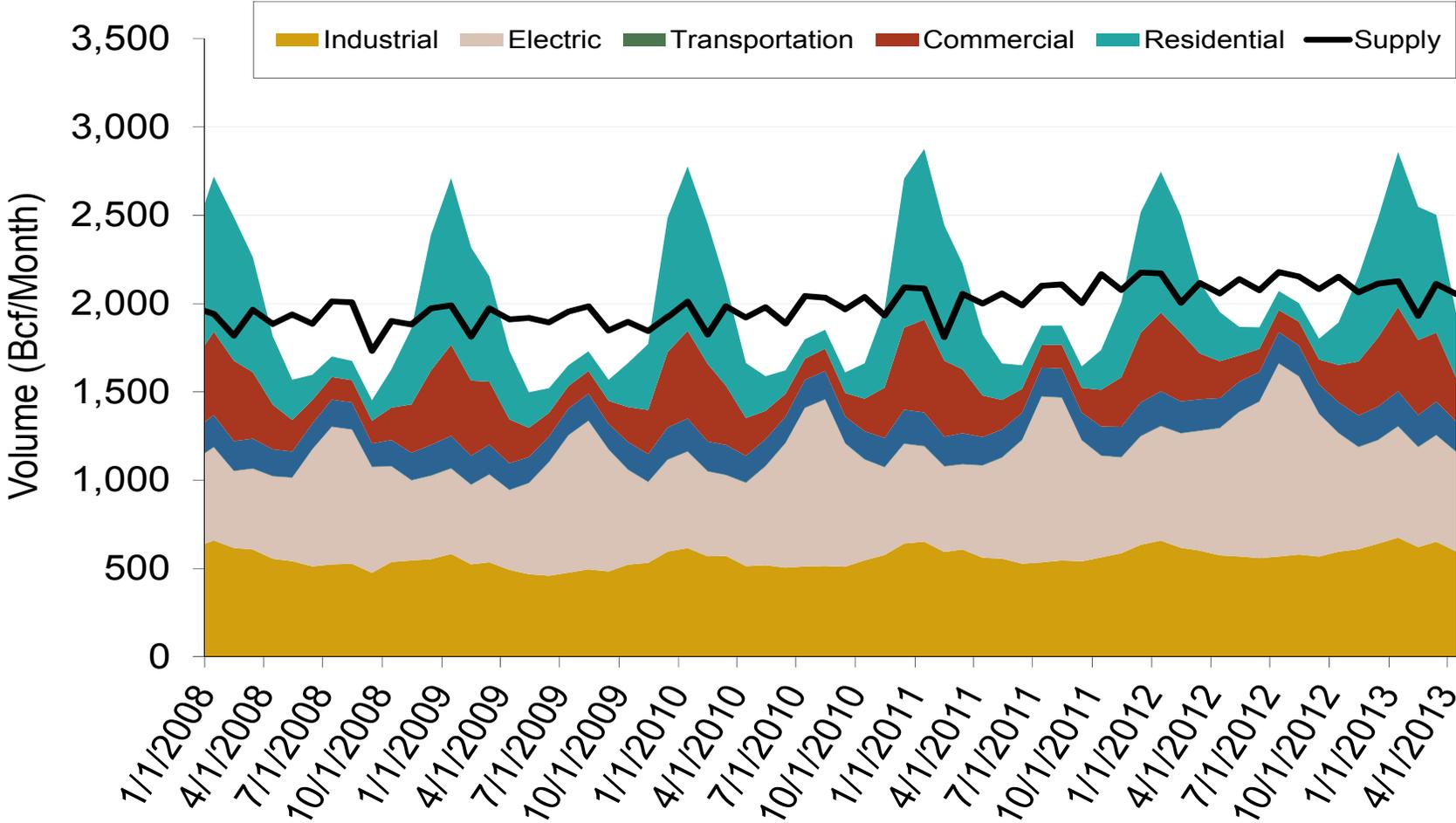


Note: Balance includes all amounts not attributable to other categories.
Source: Derived from *Bentek Energy* data
July 2013 Southeast Snapshot Report

Natural Gas market Overview: Consumption by Sector

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

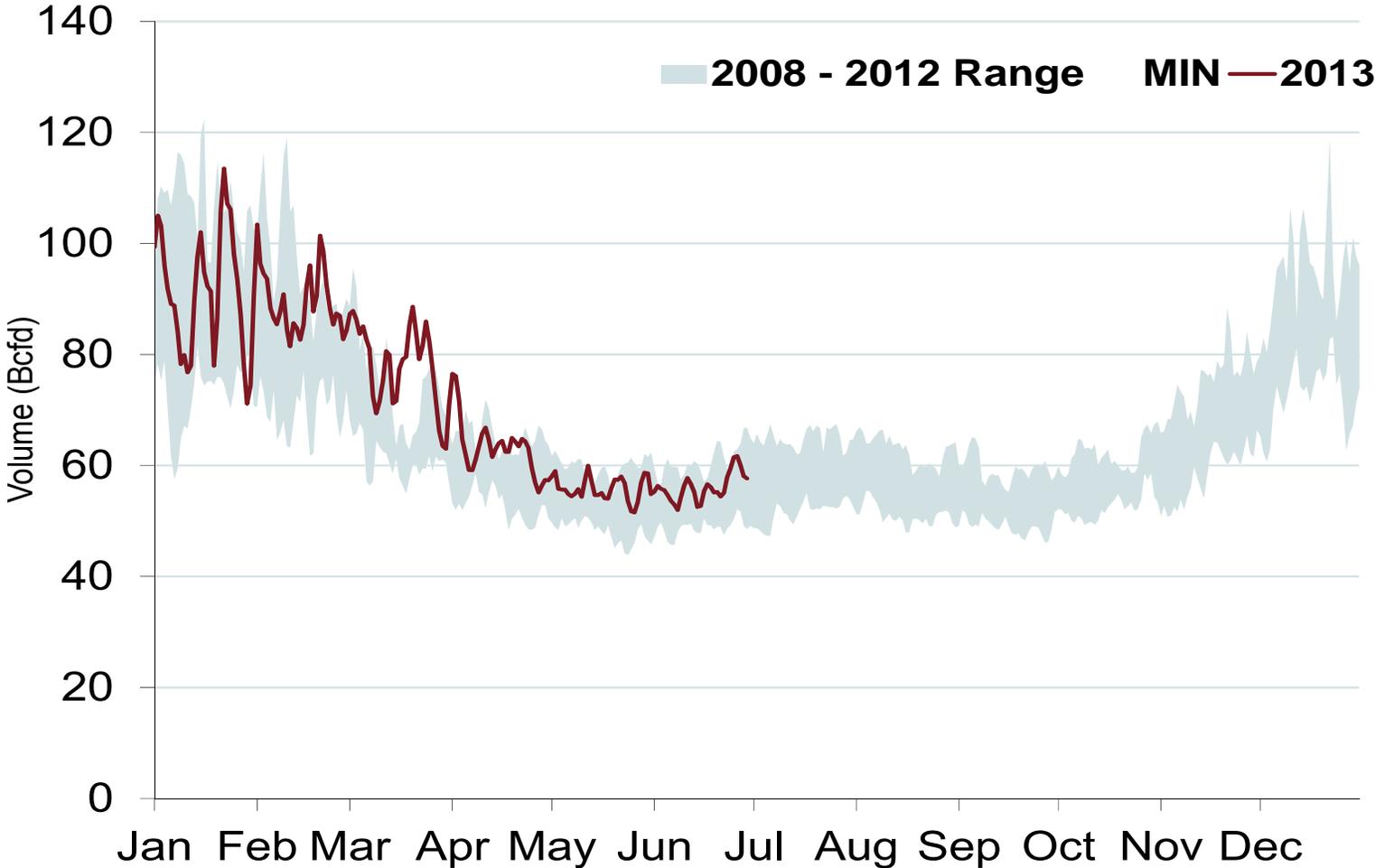
Annual U.S. Natural Gas Consumption by Sector



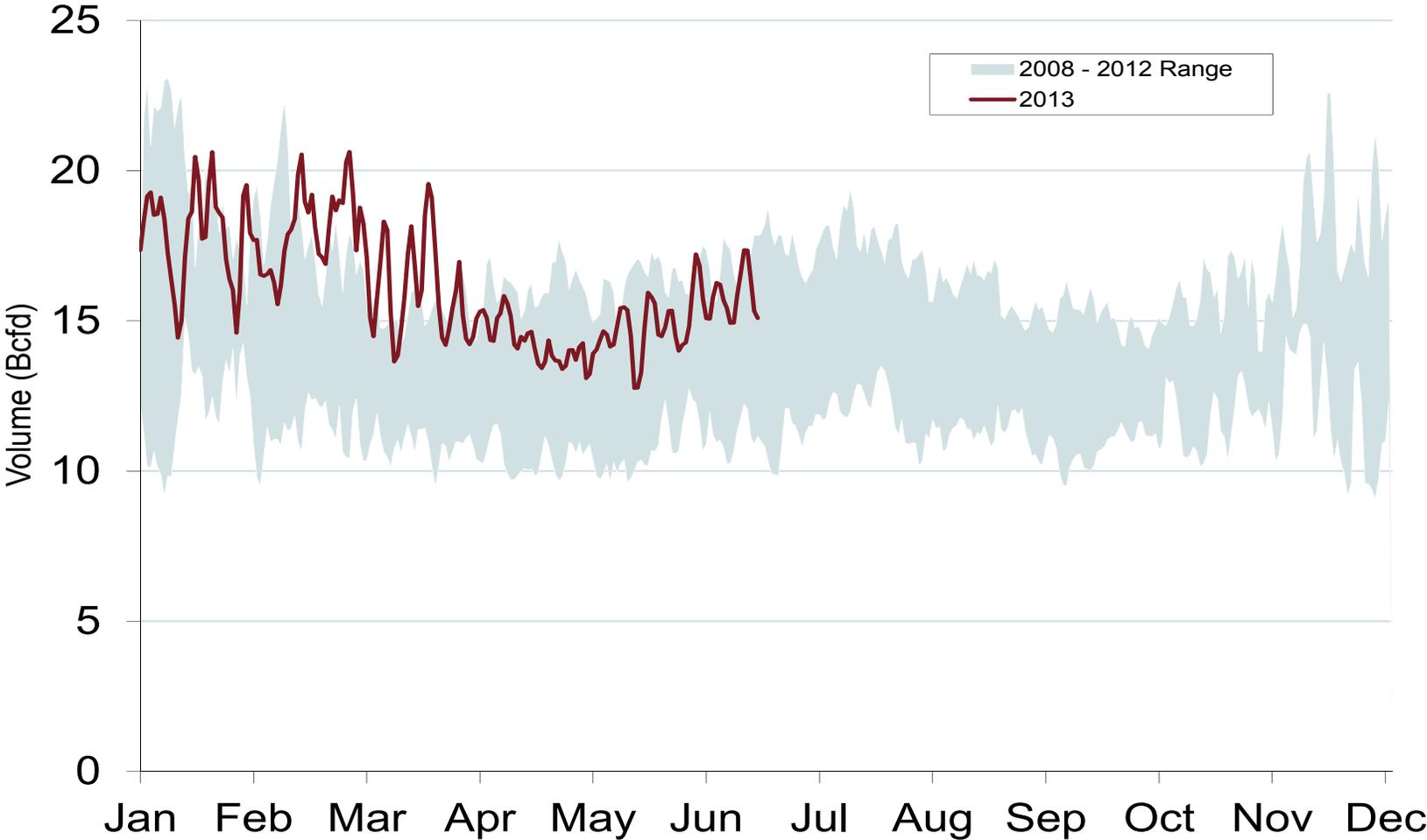
Notes: Supply includes lower 48 state production, net pipeline imports, and LNG imports
Source: Derived from EIA data
July 2013 Southeast Snapshot Report

Updated: July 11, 2013

Total U.S. Natural Gas Demand All Sectors

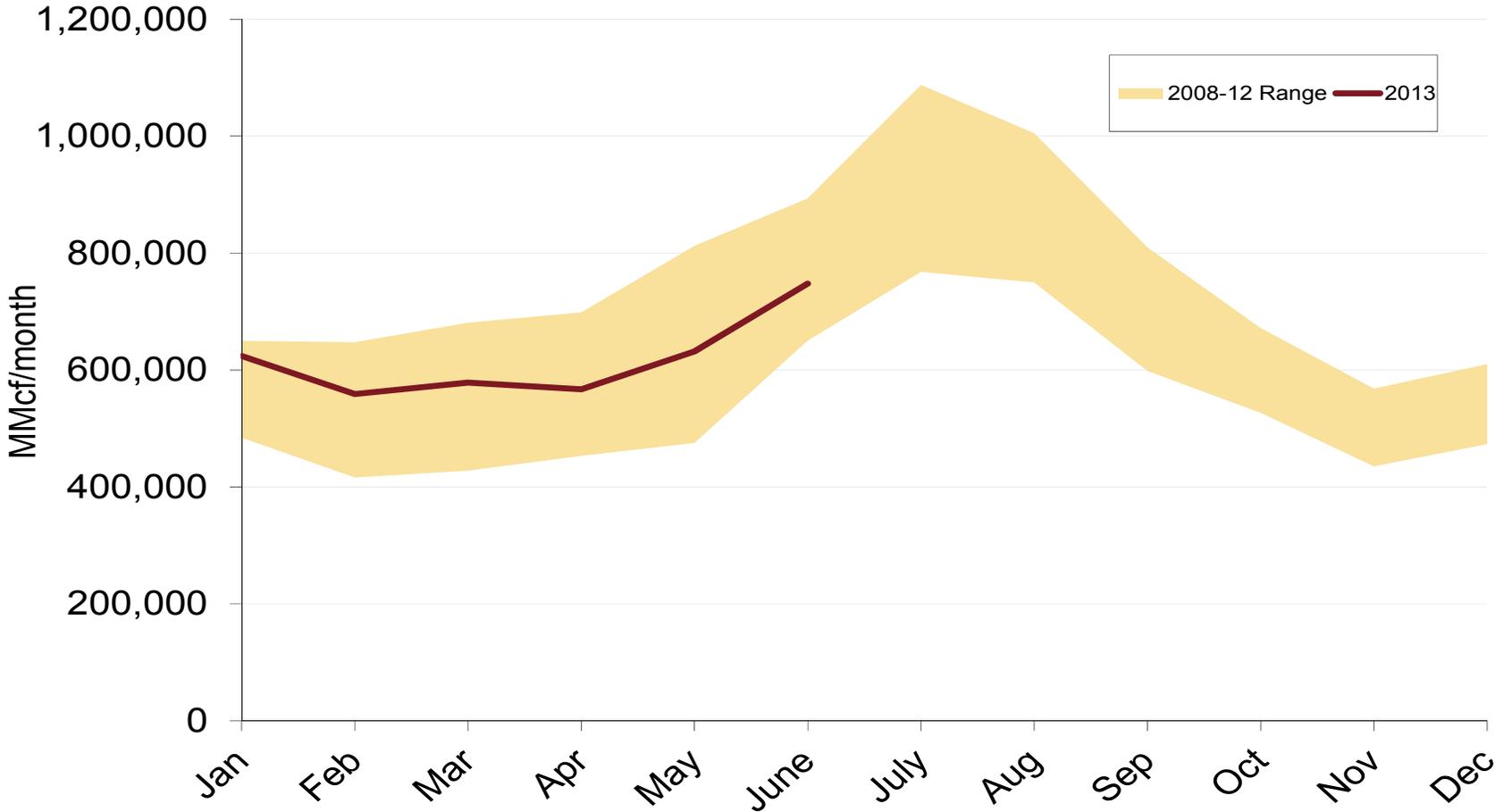


Daily Southeast Natural Gas Demand All Sectors



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U.S. Natural Gas Consumption for Power Generation

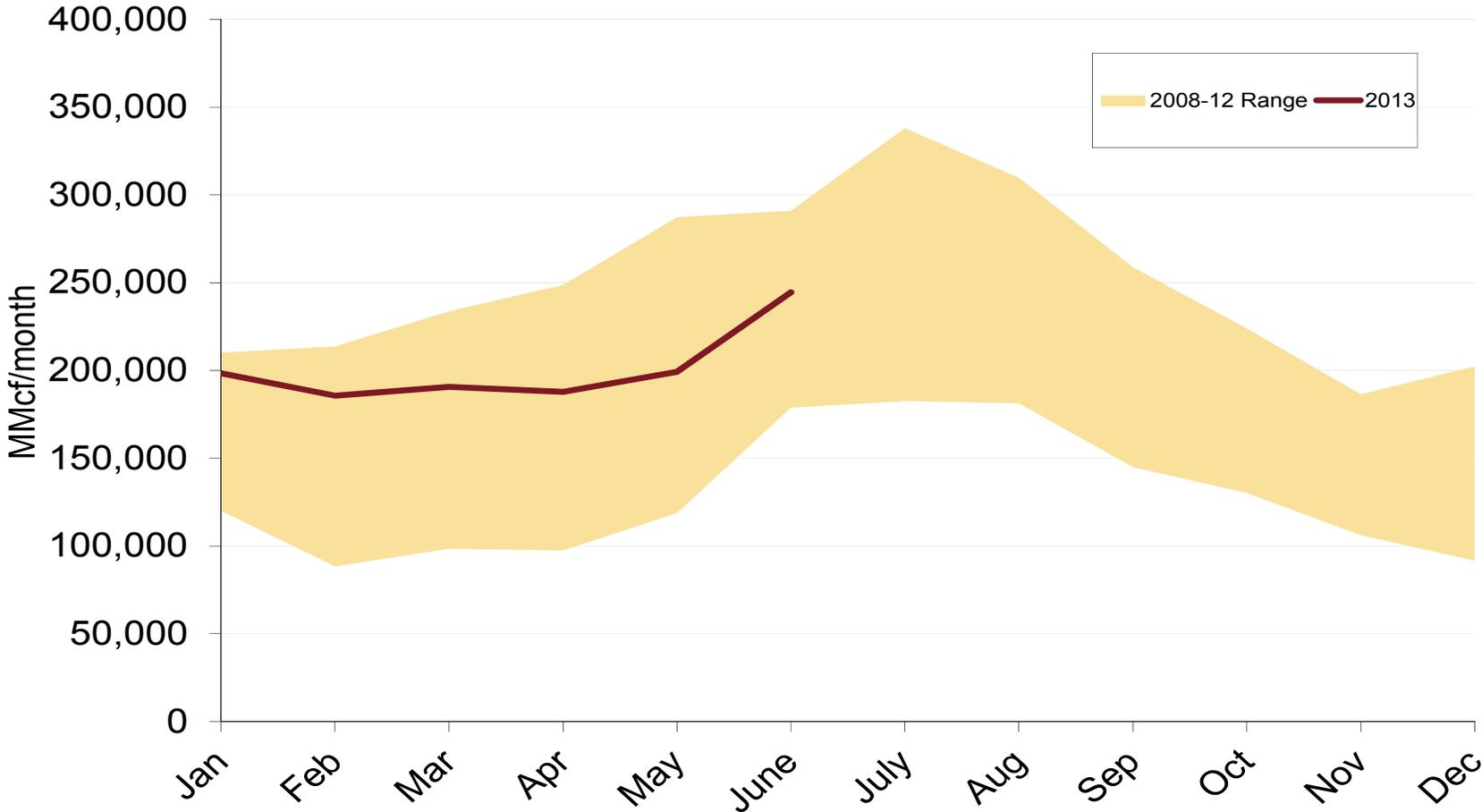


Source: Derived from *Bentek Energy* data
July 2013 Southeast Snapshot Report

Updated: July 09, 2013

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

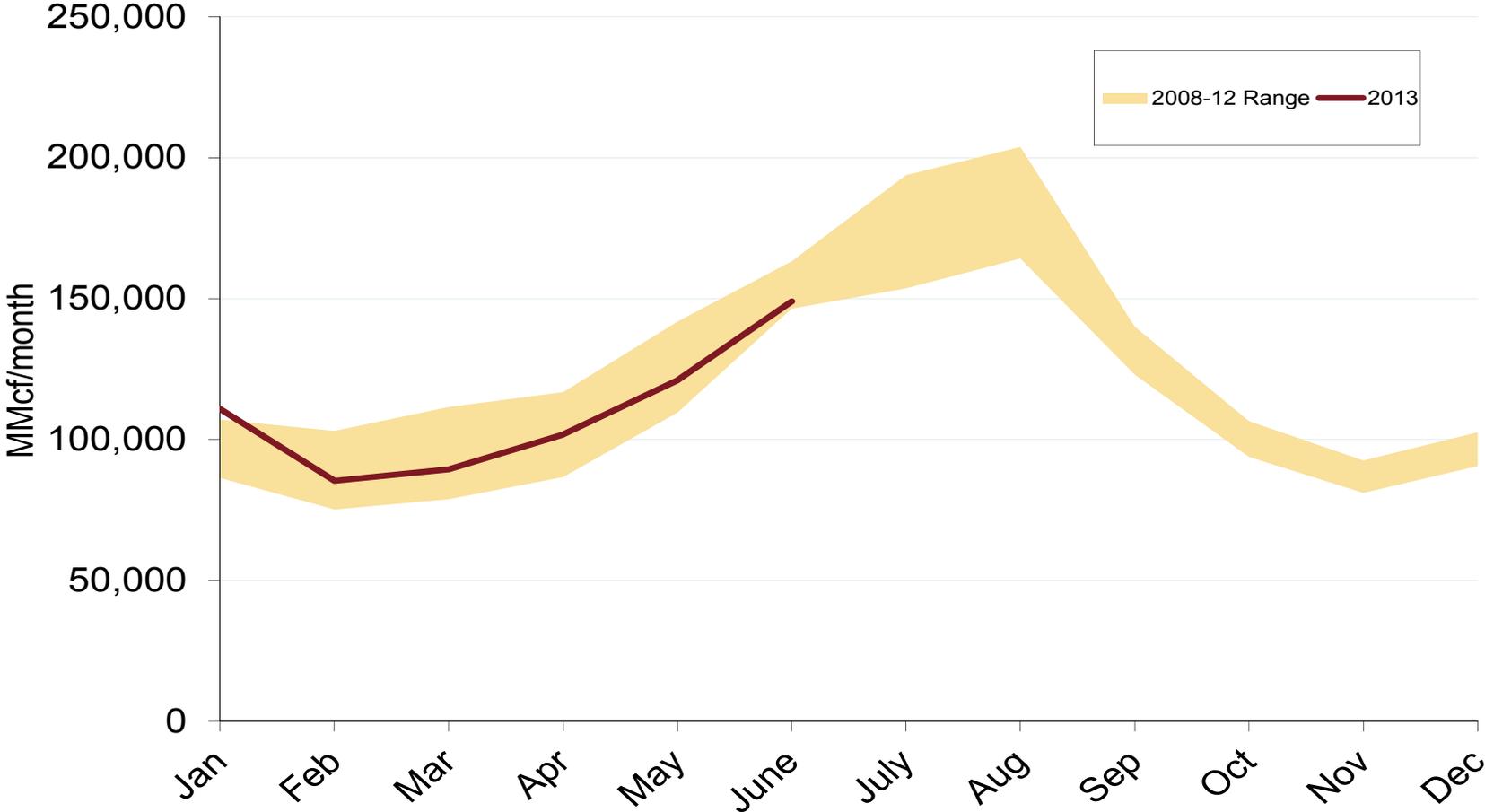
Southeast Natural Gas Consumption for Power Generation



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

Updated: July 09, 2013

Gulf Natural Gas Consumption for Power Generation

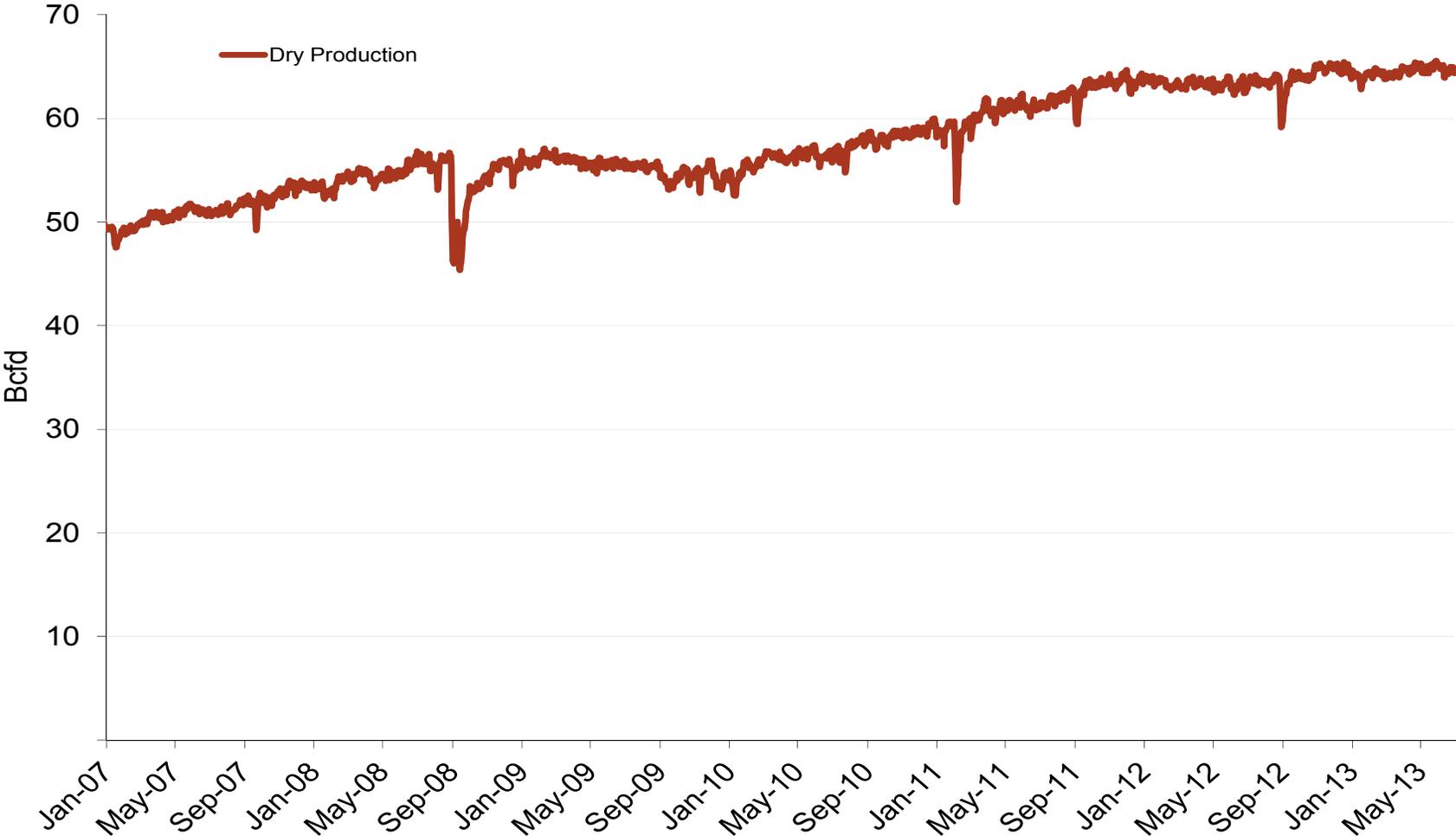


Source: Derived from *Bentek Energy* data
July 2013 Southeast Snapshot Report

Updated: July 09, 2013

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

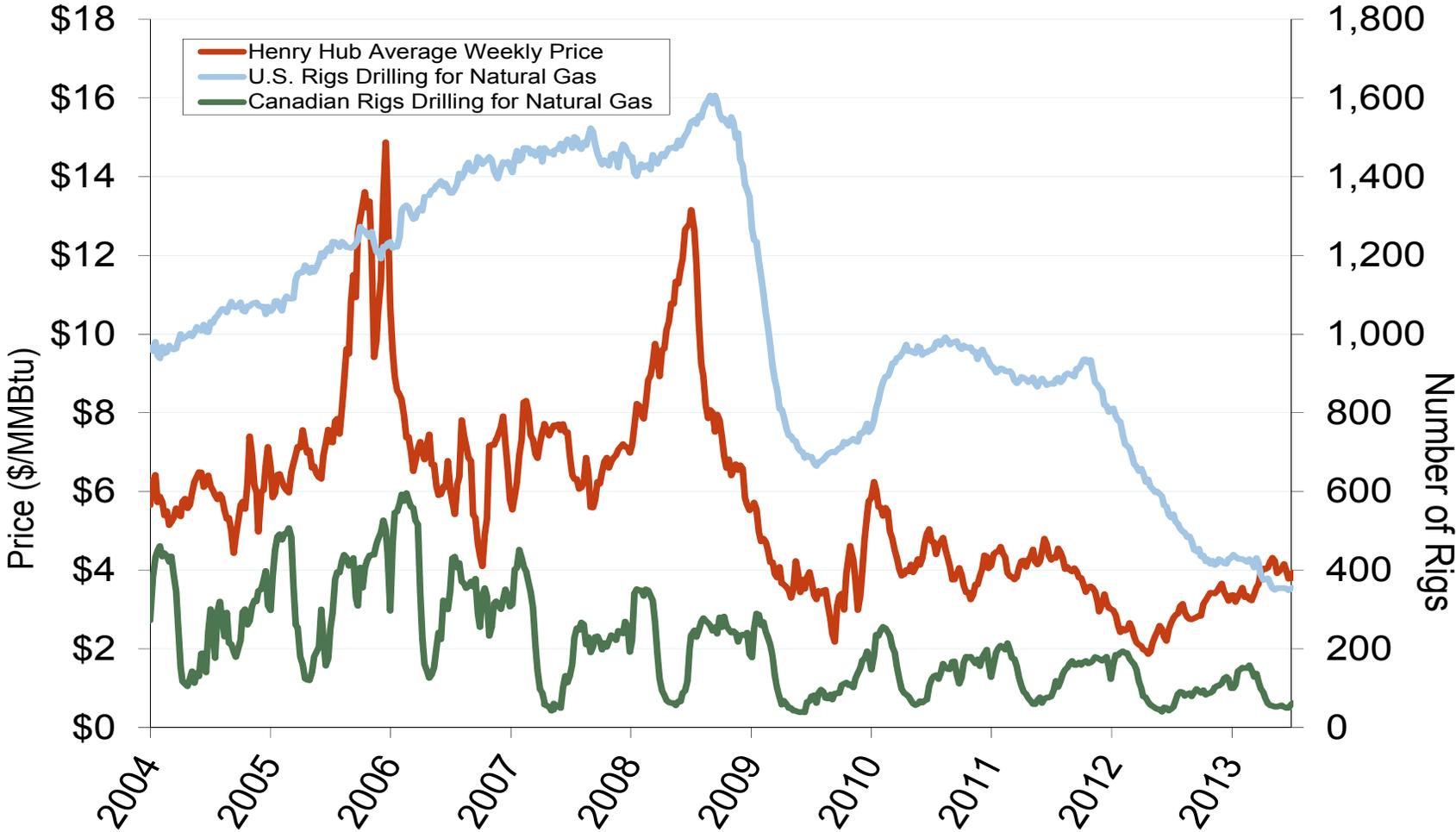
Monthly U.S. Dry Gas Production – Lower 48 States



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

Source: Derived from Bentek Energy data

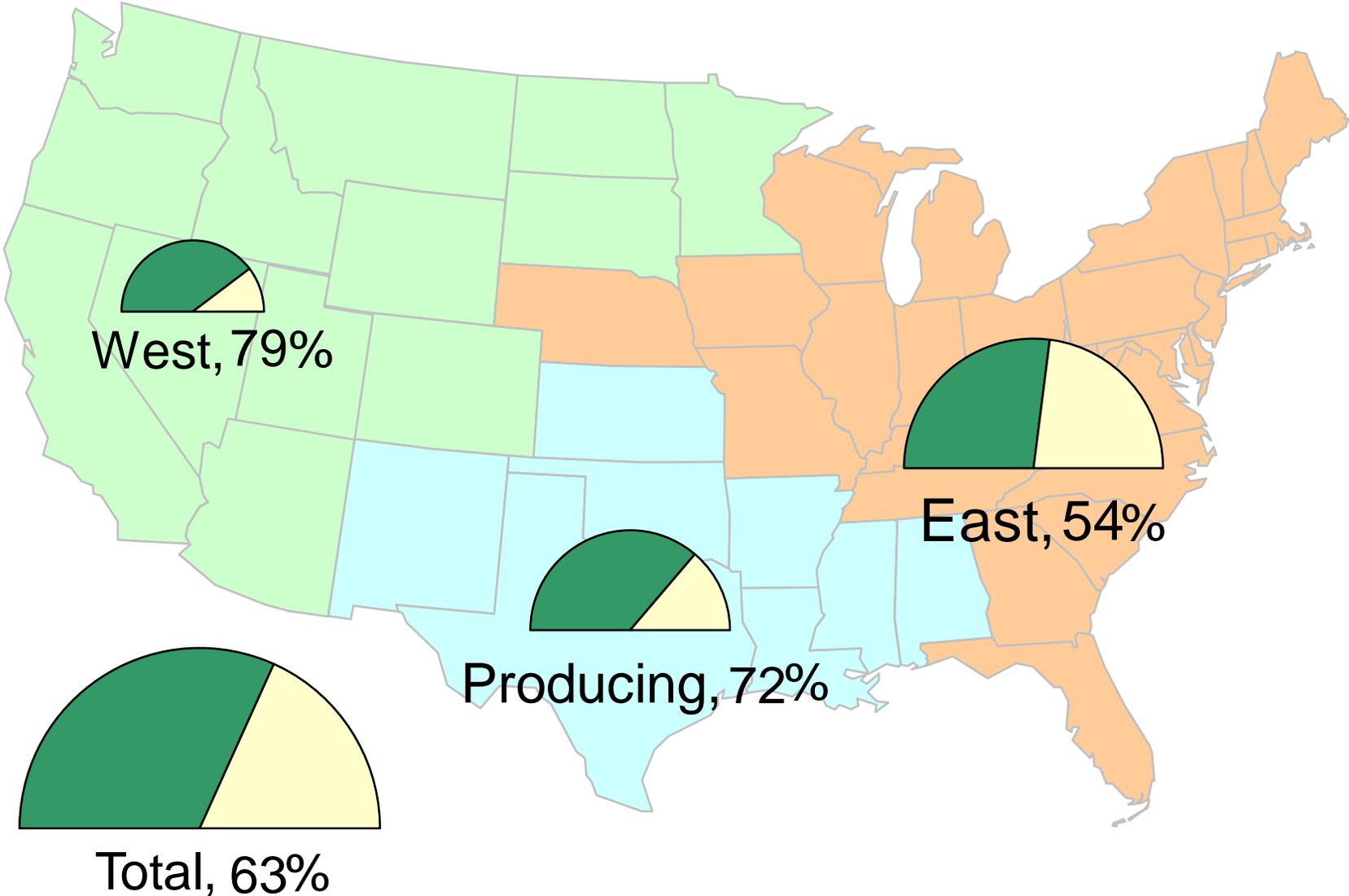
U.S. and Canadian NG Drilling Rig Count and Daily Spot Prices



Source: Derived from *Platts* and *Baker Hughes* data
July 2013 Southeast Snapshot Report

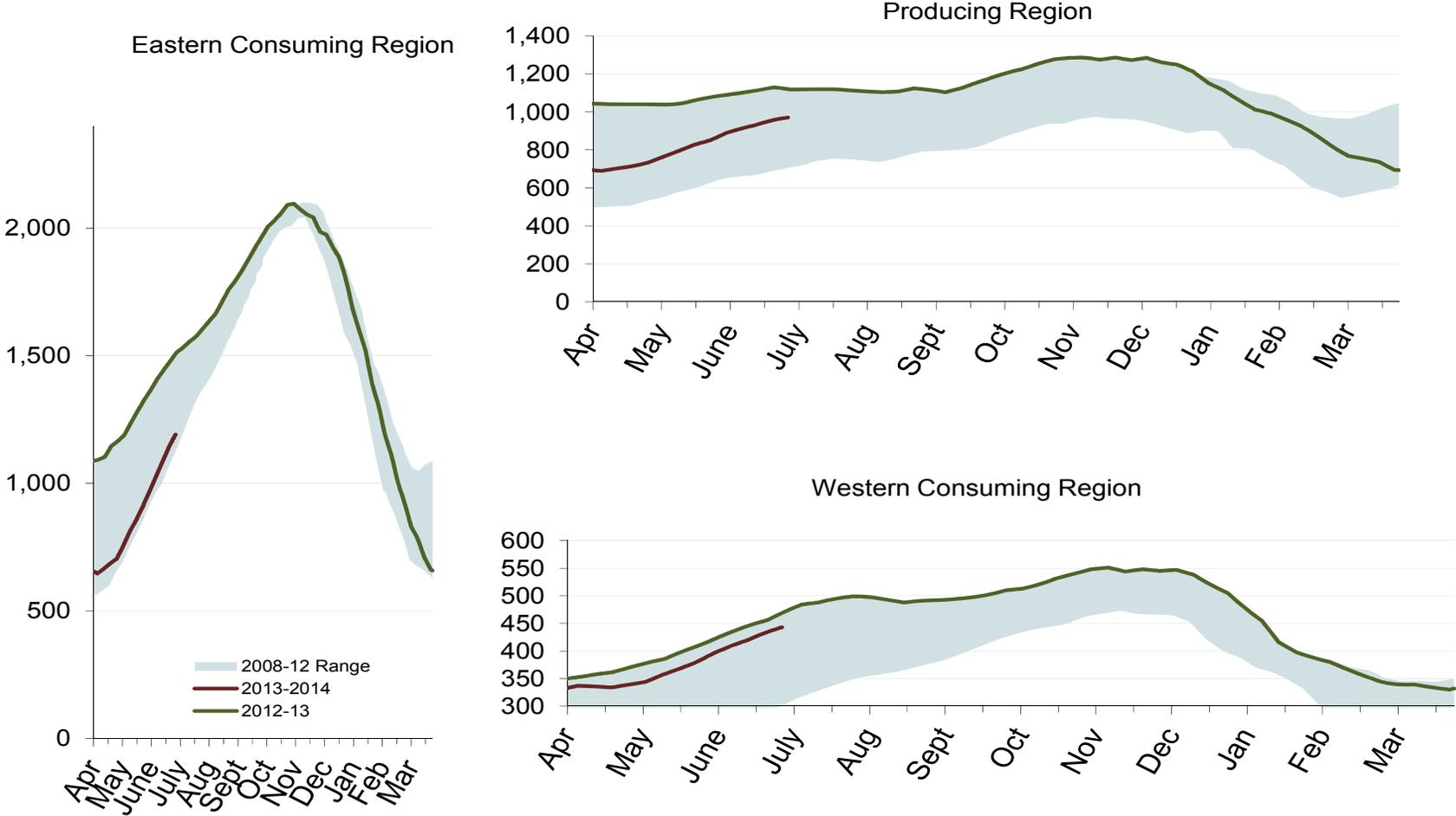
Updated: July 11, 2013

Natural Gas Storage Inventories – July 5, 2013



Source: Derived from EIA Storage and Estimated Working Gas Capacity data
July 2013 Southeast Snapshot Report

Regional Totals of Working Gas in Storage



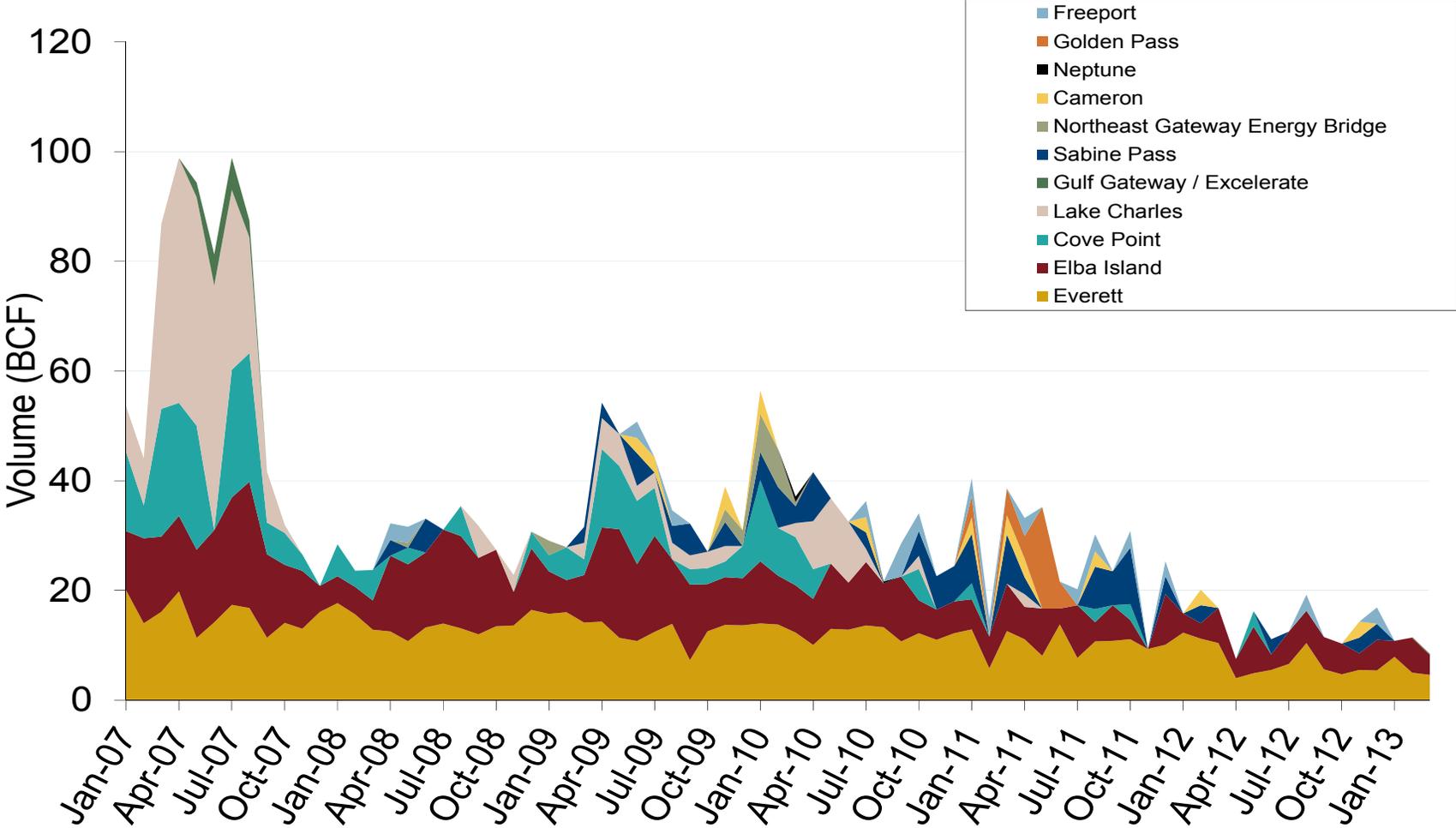
Source: Derived from EIA data
July 2013 Southeast Snapshot Report

Updated: July 11, 2013

World LNG Estimated August 2013 Landed Prices



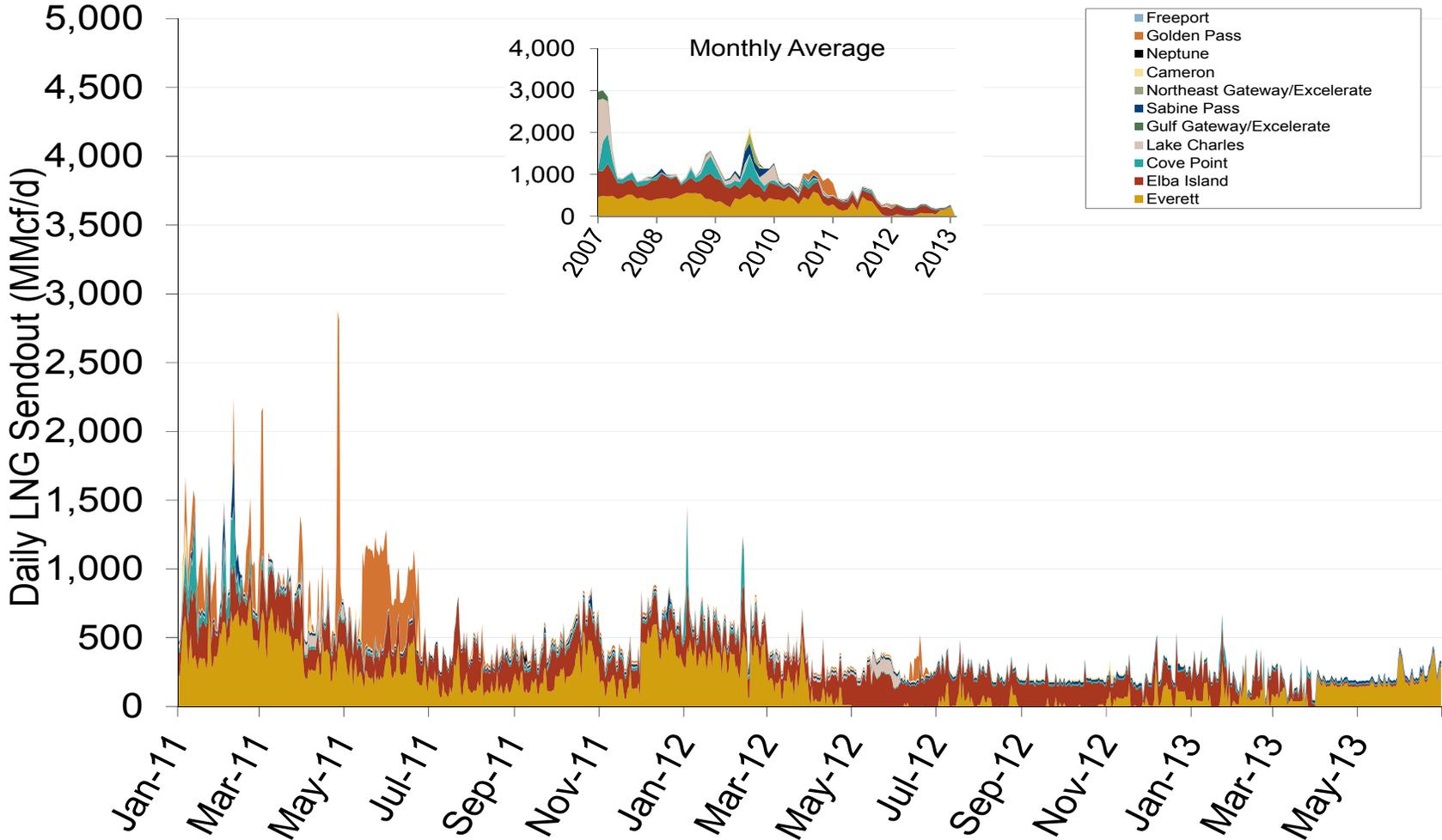
Monthly Gas Imports at Existing U.S. LNG Facilities



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

Updated: July 11, 2013

Daily Gas Sendout from Existing U.S. LNG Facilities



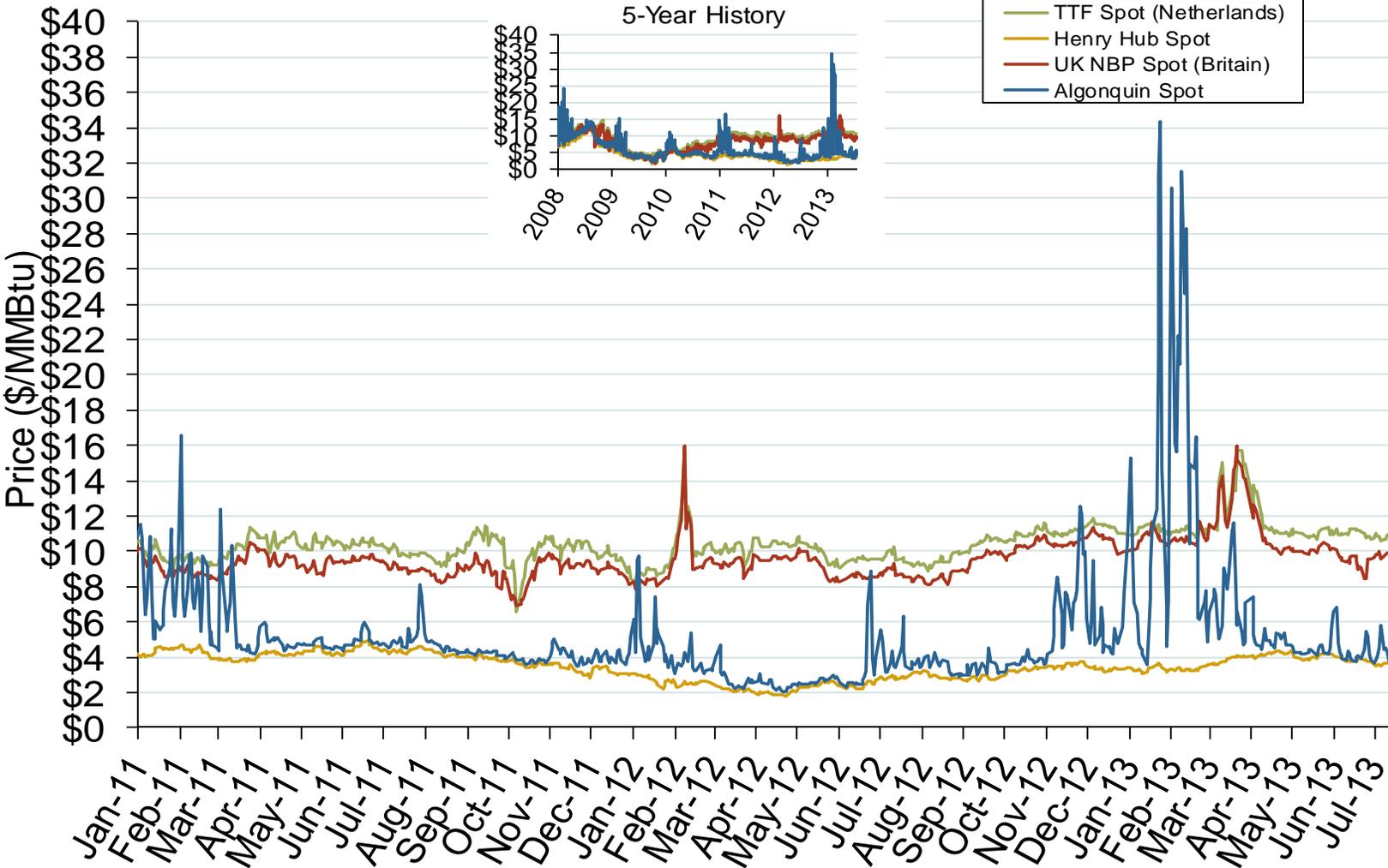
Notes: Everett data includes flows onto the AGT and TGP interstate lines, plus estimates of flows to the Mystic 7 power plant, Keyspan Boston Gas, and LNG trucked out of the terminal. Excludes flows to the Freeport LNG which flows via intrastate pipelines and flows to the Mystic 8 and 9 power plants.

Source: Derived from *Bentek Energy* data

July 2013 Southeast Snapshot Report

Updated: July 09, 2013

Atlantic Basin European and US Spot Natural Gas Prices



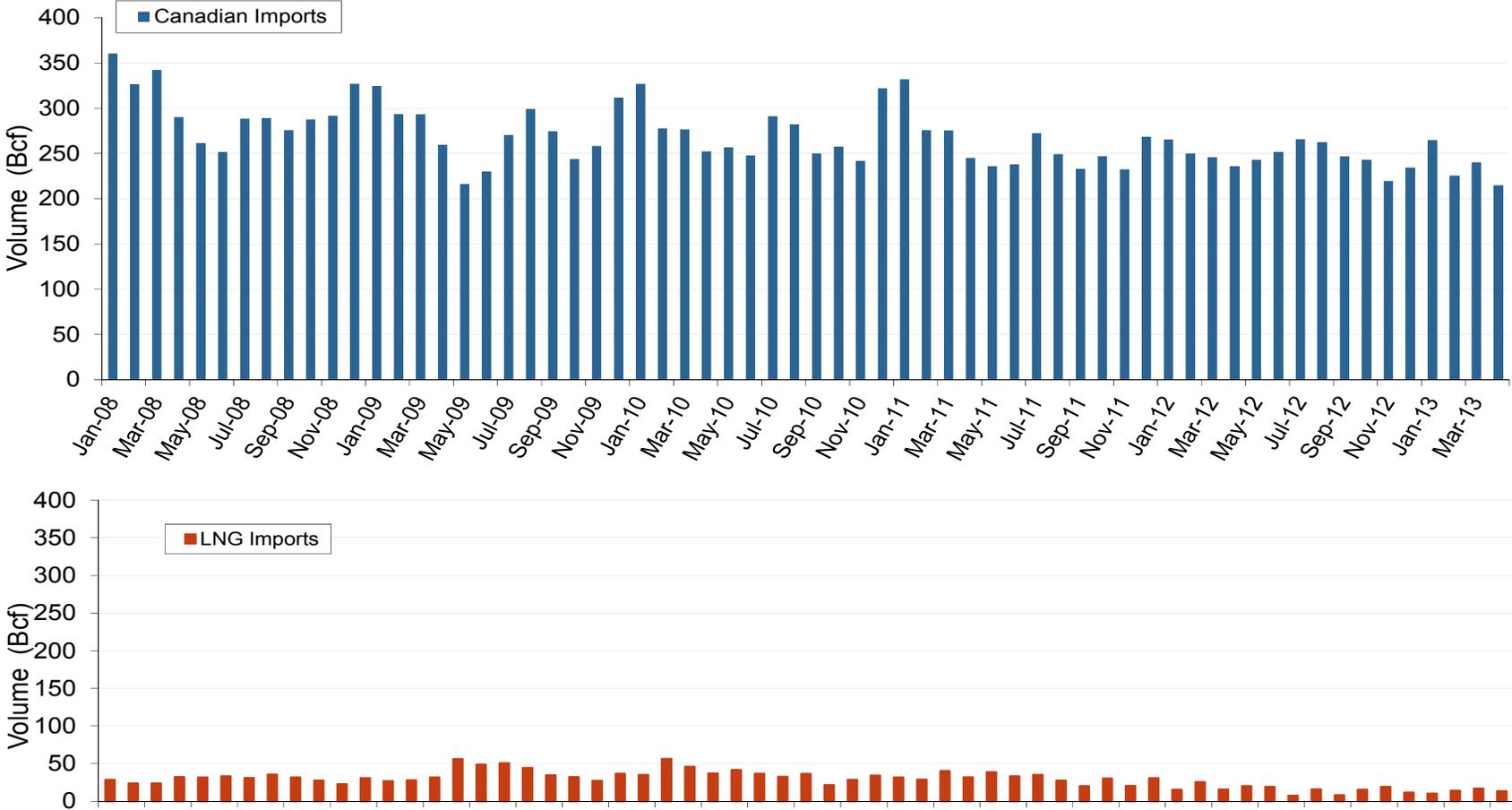
Source: Derived from *Bloomberg* and *ICE* data
July 2013 Southeast Snapshot Report

Updated: July 7, 2013

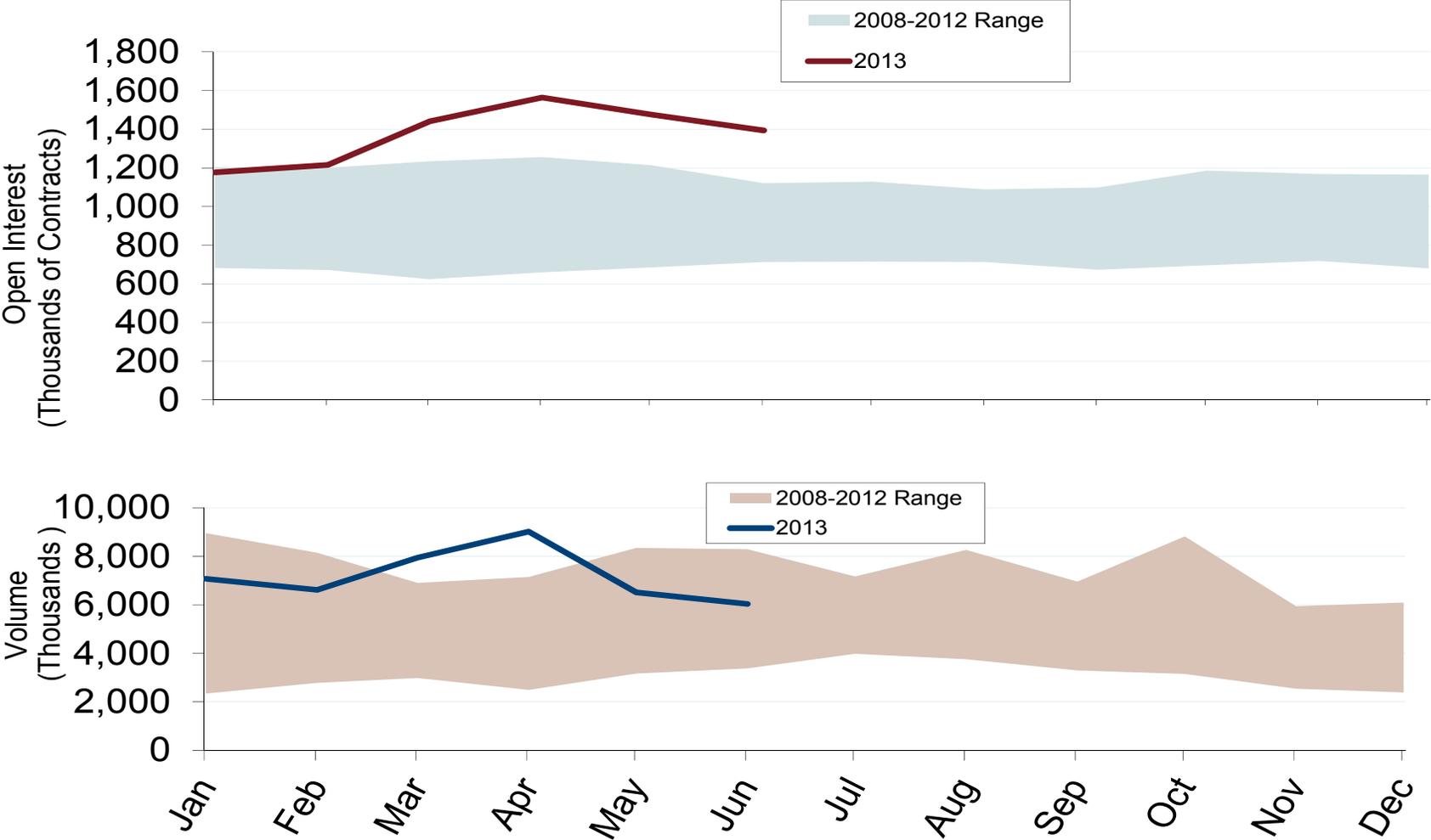
Natural Gas Overview: Natural Gas Imports

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

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



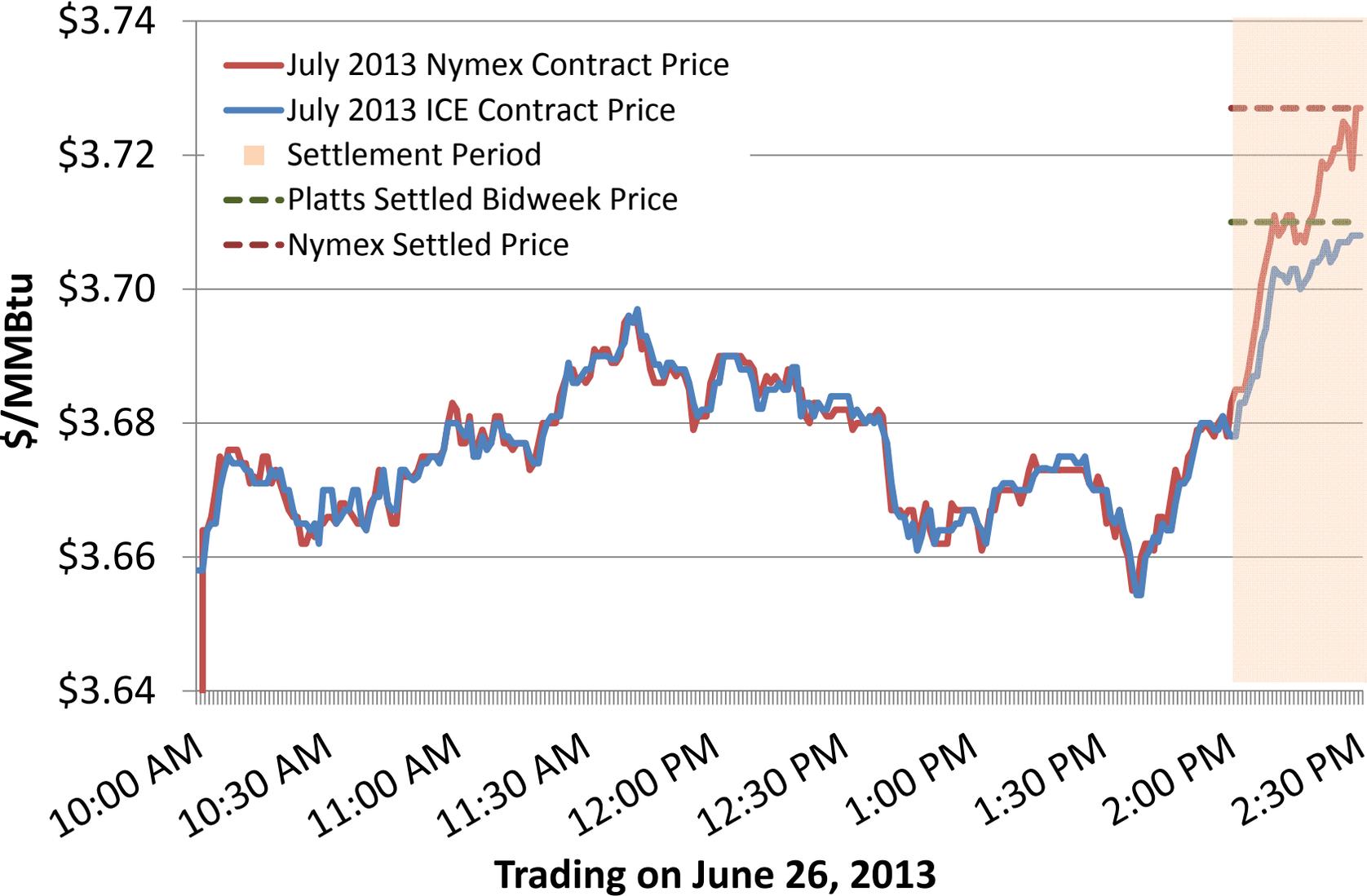
Nymex NG Futures Month-End Open Interest and Monthly Volume



Source: Derived from Nymex data
July 2013 Southeast Snapshot Report

Updated: July 11, 2013

Nymex and ICE Contract Final Settlement - July 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

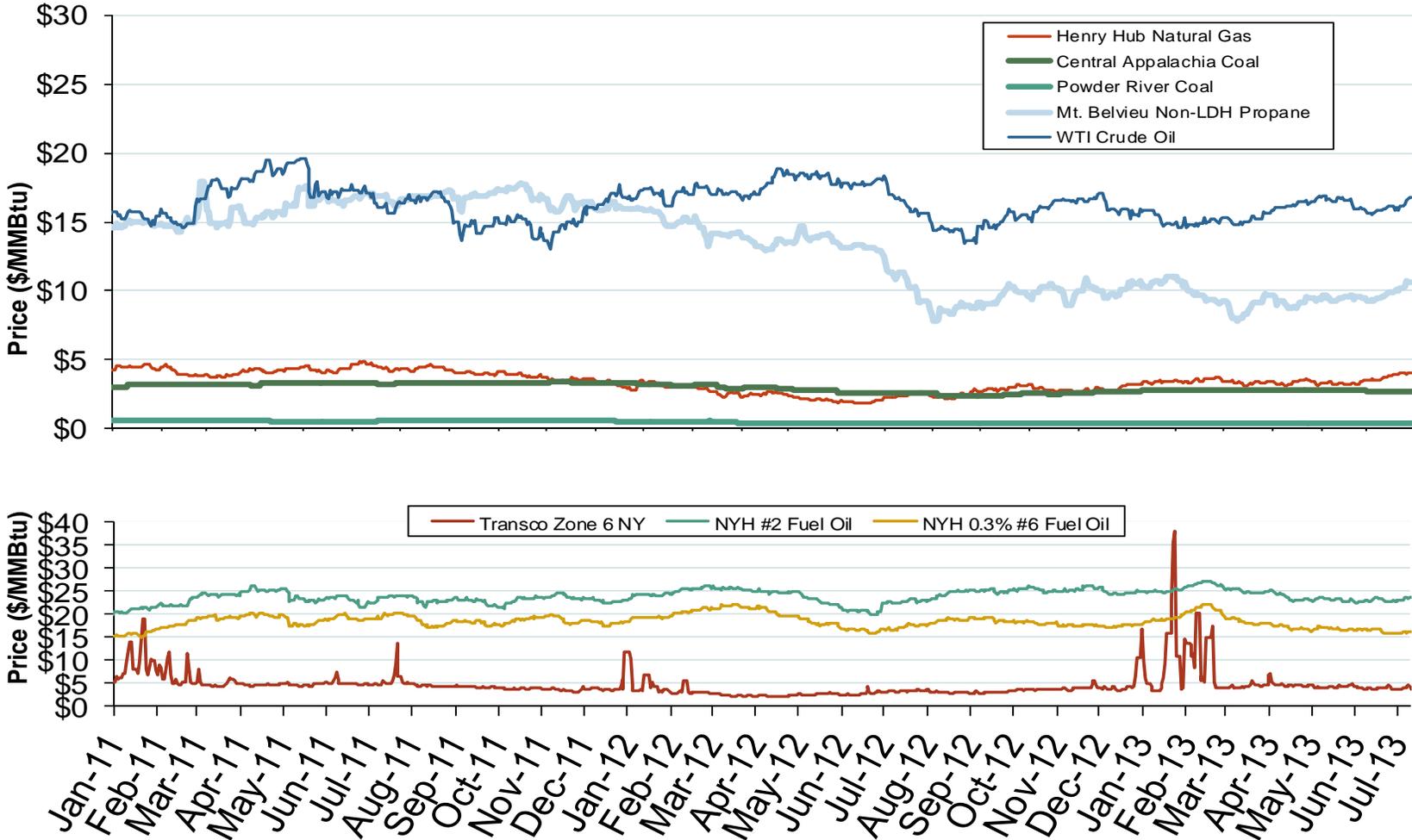
July 2013 Southeast Snapshot Report

Updated: July 10, 2013

Other Fuels Market: Fossil Fuel Prices

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Oil, Coal, Natural Gas and Propane Daily Spot Prices



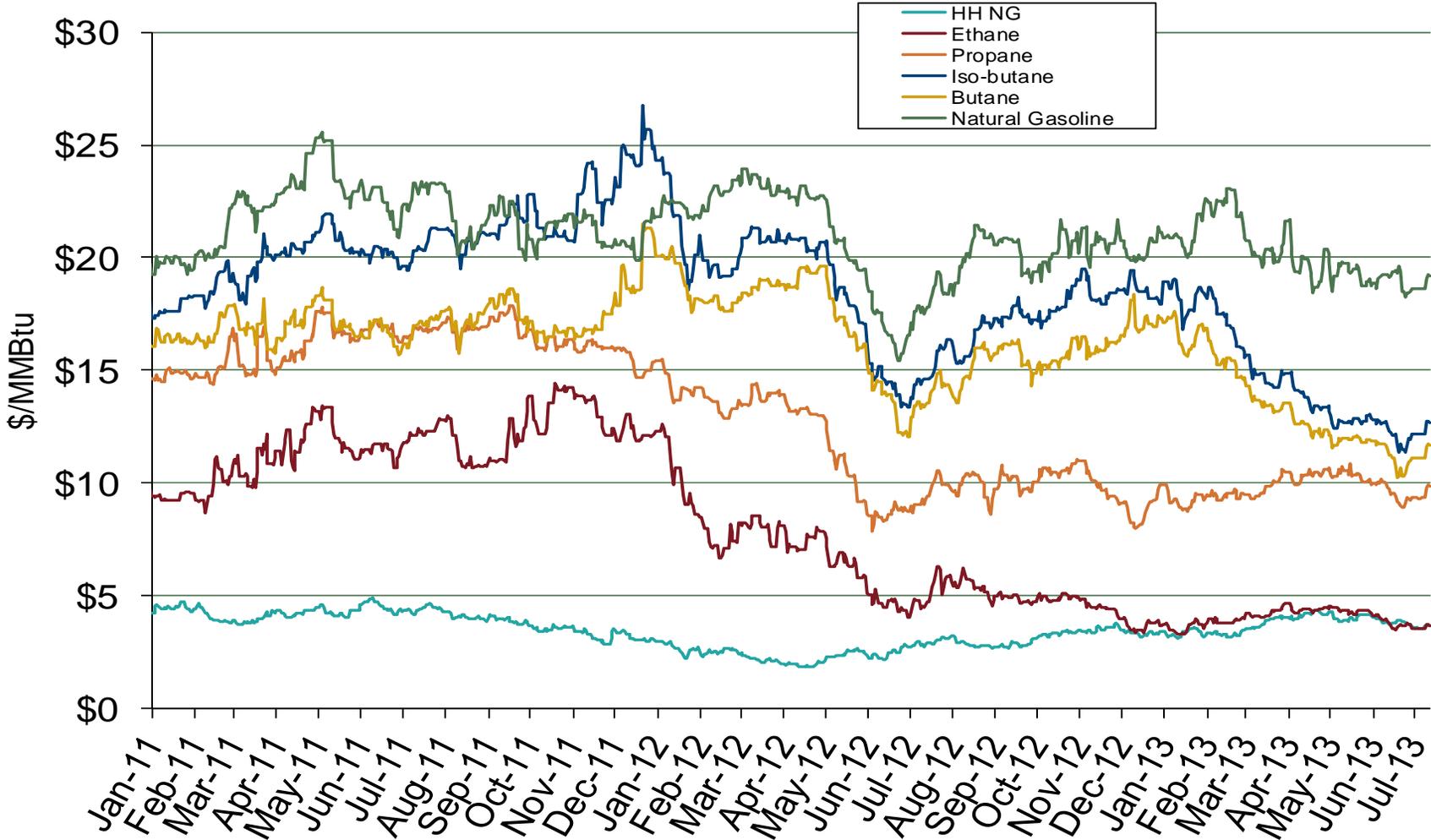
Notes: Coal prices are quoted in \$/ton. Conversion factors to \$/MMBtu are based on contract specifications of 12,000 btus/pound for Central Appalachian coal and 8800 btus/pound for Powder River Basin coal

Source: Derived from ICE and Bloomberg data
July 2013 Southeast Snapshot Report

Updated: July 7, 2013

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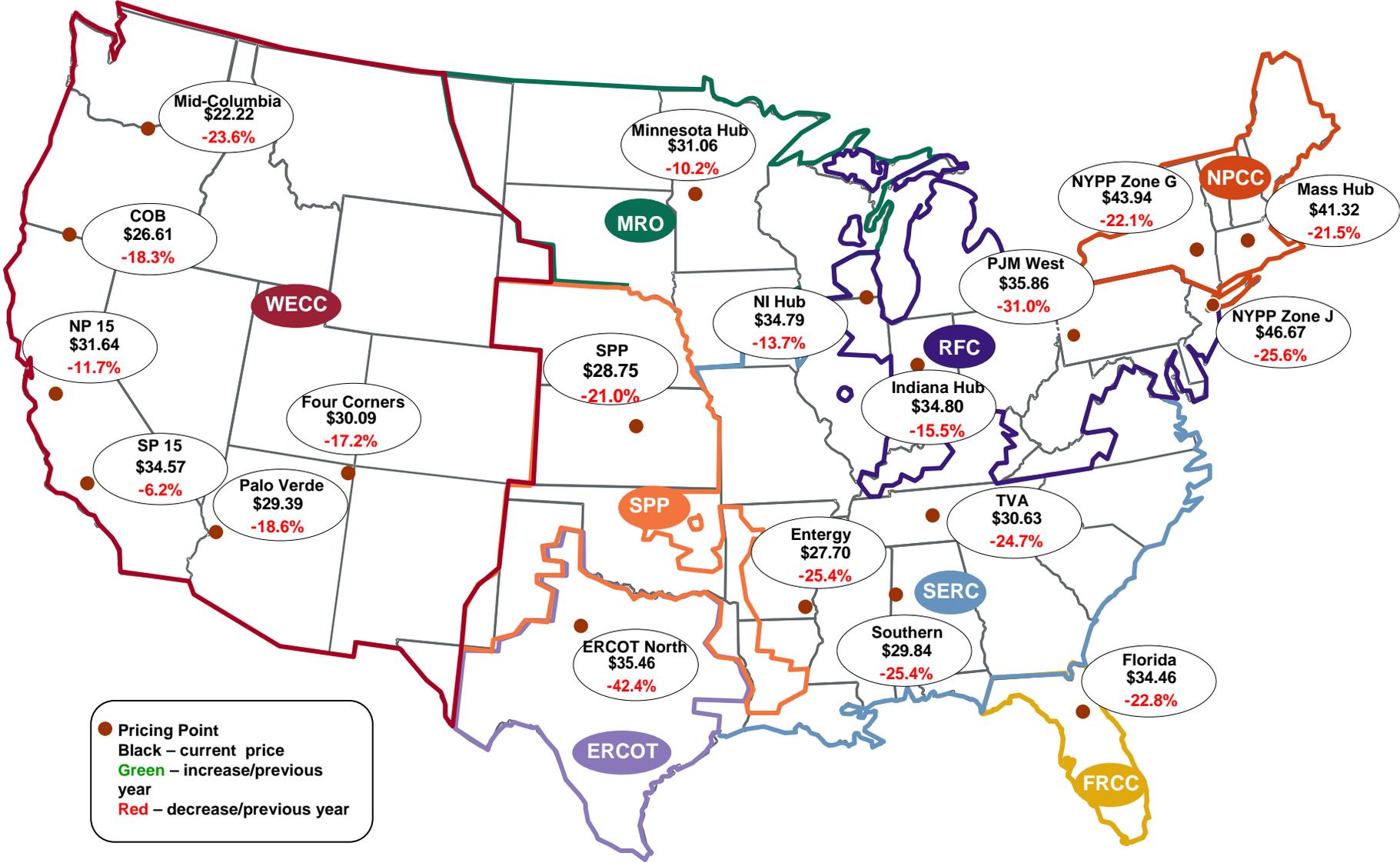
U.S. Natural Gas vs. Natural Gas Liquids (NGL) Prices



Source: Derived from Bloomberg Data
July 2013 Southeast Snapshot Report

Updated: July 7, 2013

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



Source: Derived from *Platts* data.
July 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.

July 2013 Southeast Snapshot Report

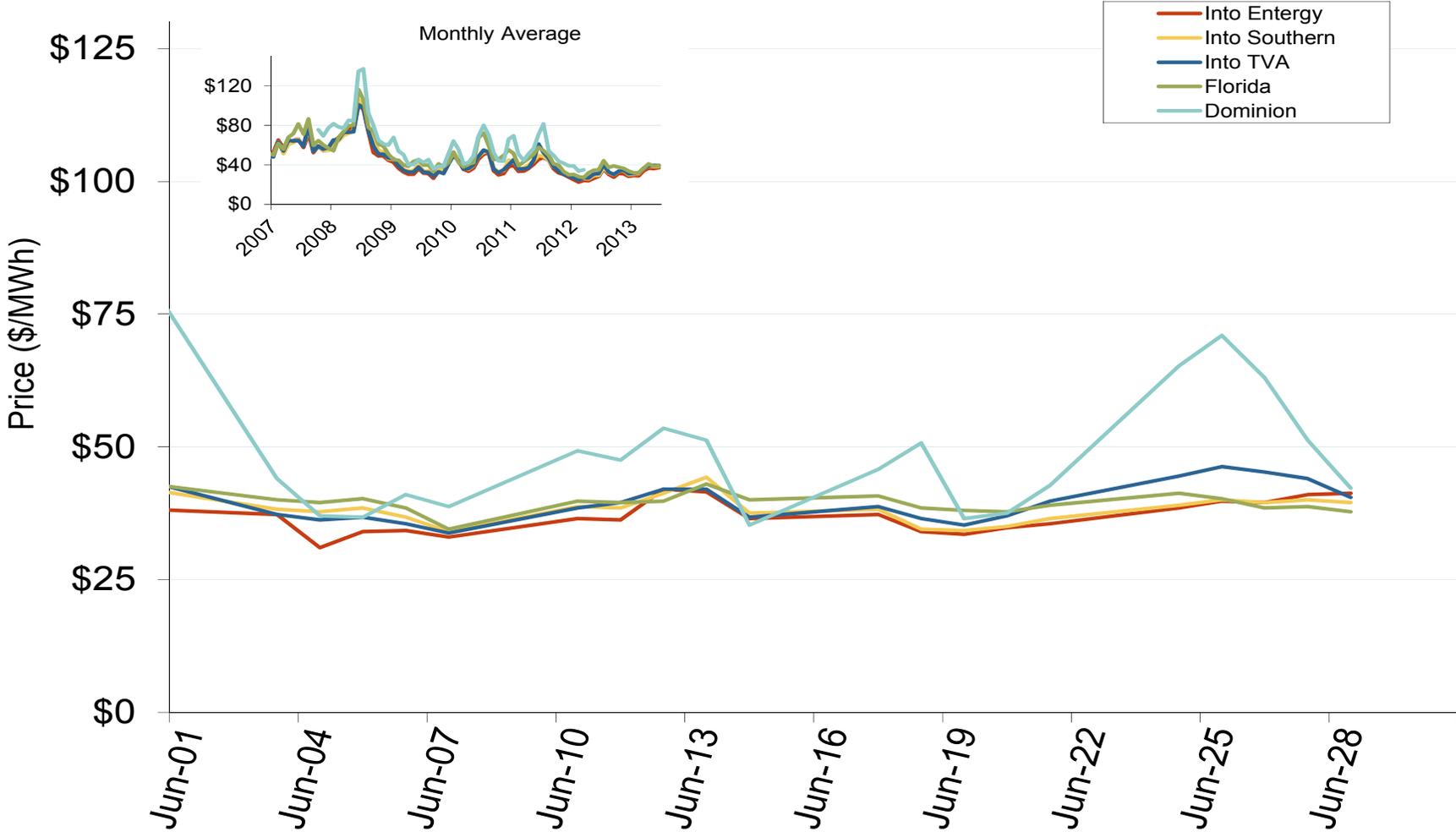
Southeast Annual Average Bilateral Prices

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

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



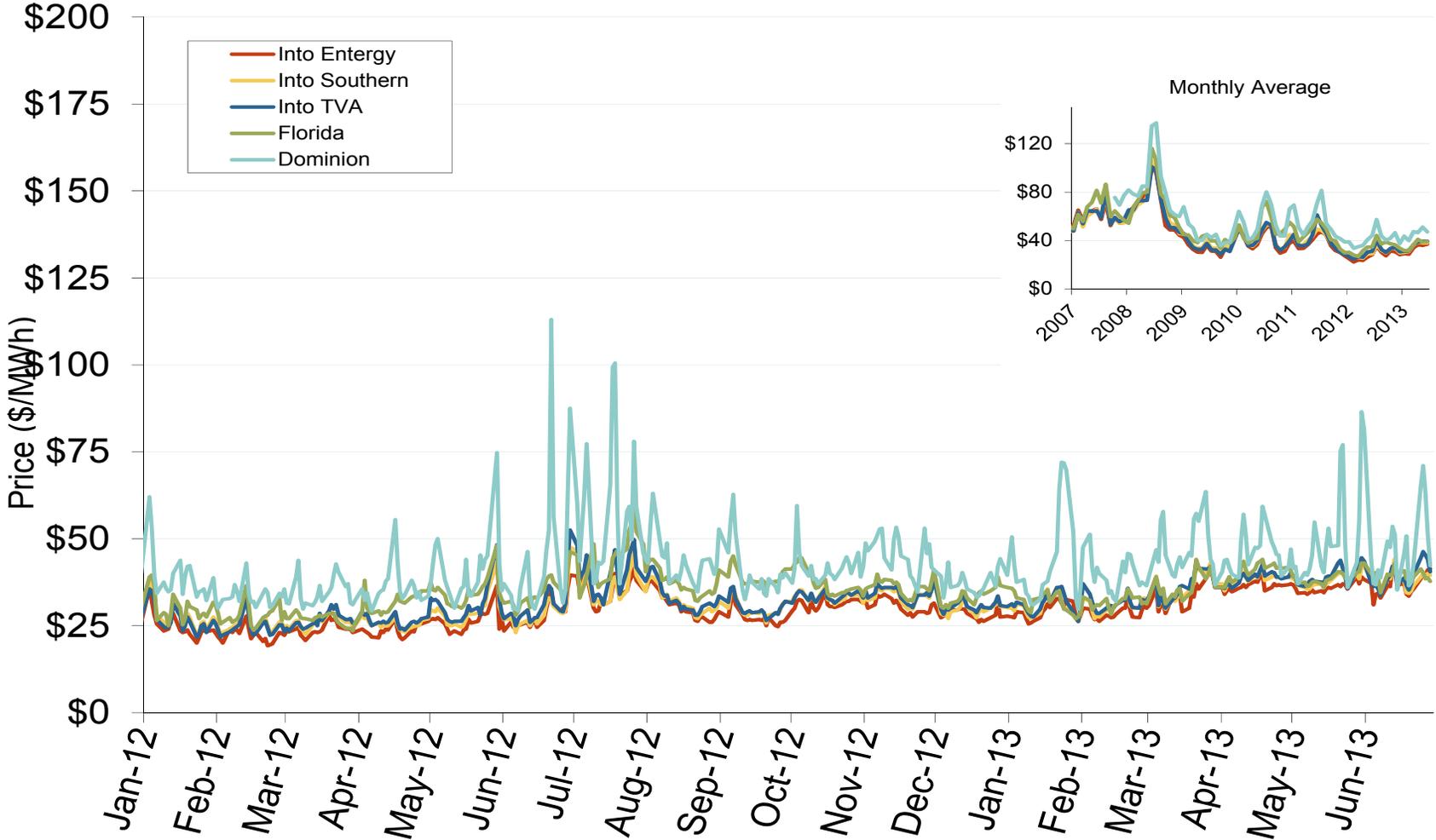
Source: Derived from Platts data
July 2013 Southeast Snapshot Report

Updated: July 05, 2013

Southeast Electric Market: Southeastern Index Prices

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Southeastern Daily Index Day-Ahead On-Peak Prices



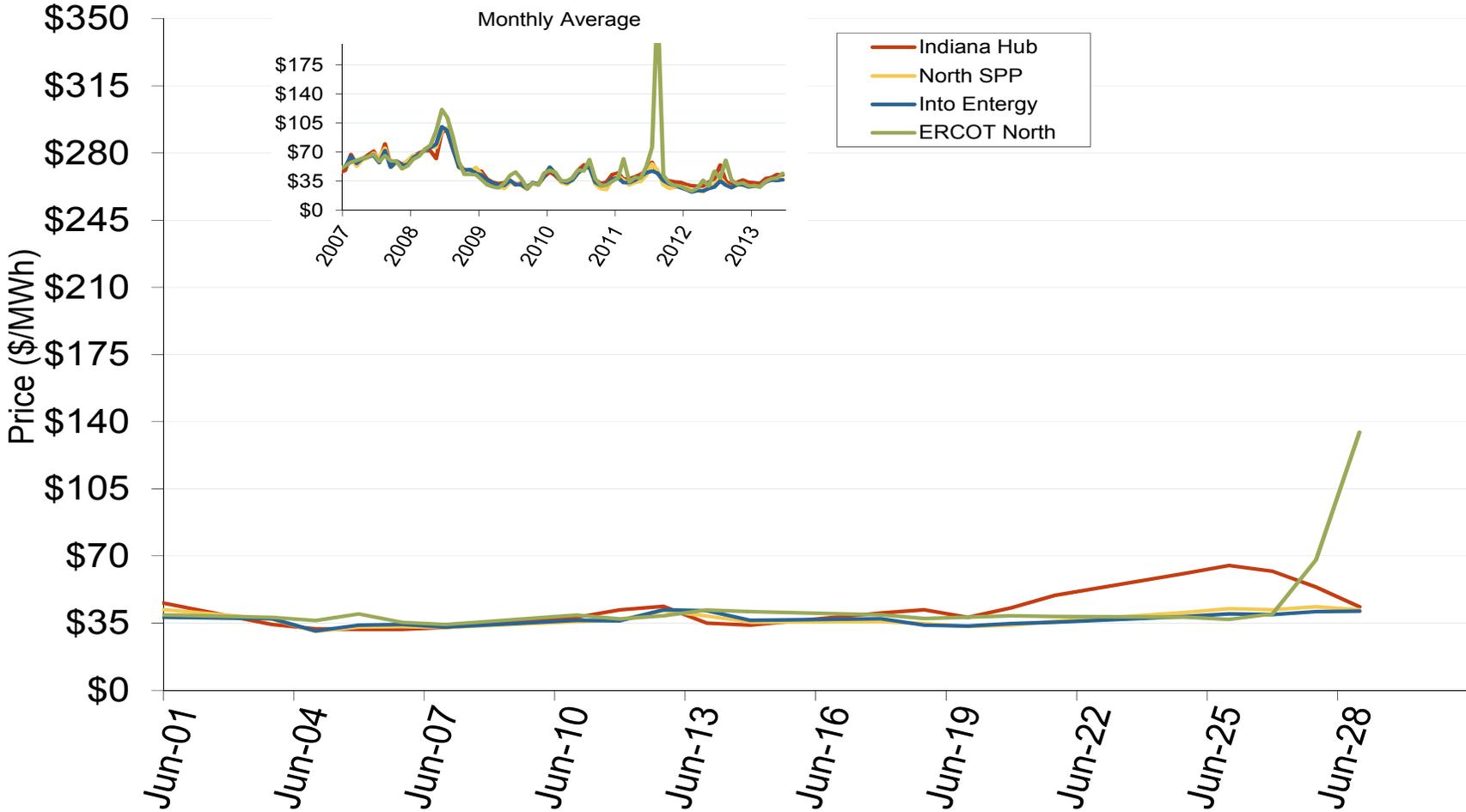
Source: Derived from *Platts* data
July 2013 Southeast Snapshot Report

Updated: July 05, 2013

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



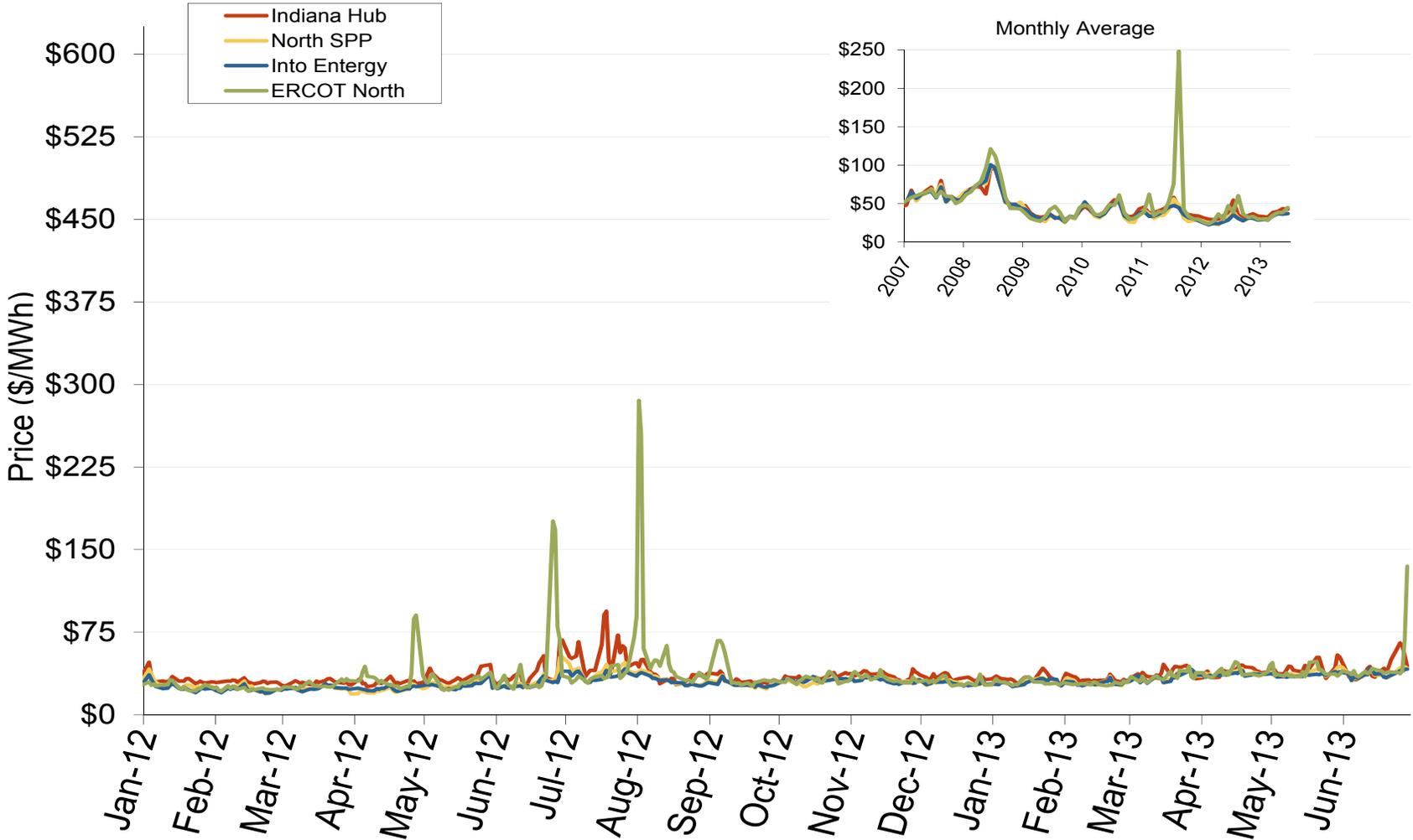
Source: Derived from Platts data
July 2013 Southeast Snapshot Report

Updated: July 05, 2013

Southeast Electric Market: Midwestern Index Prices

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

Midwestern Daily Index Day-Ahead On-Peak Prices



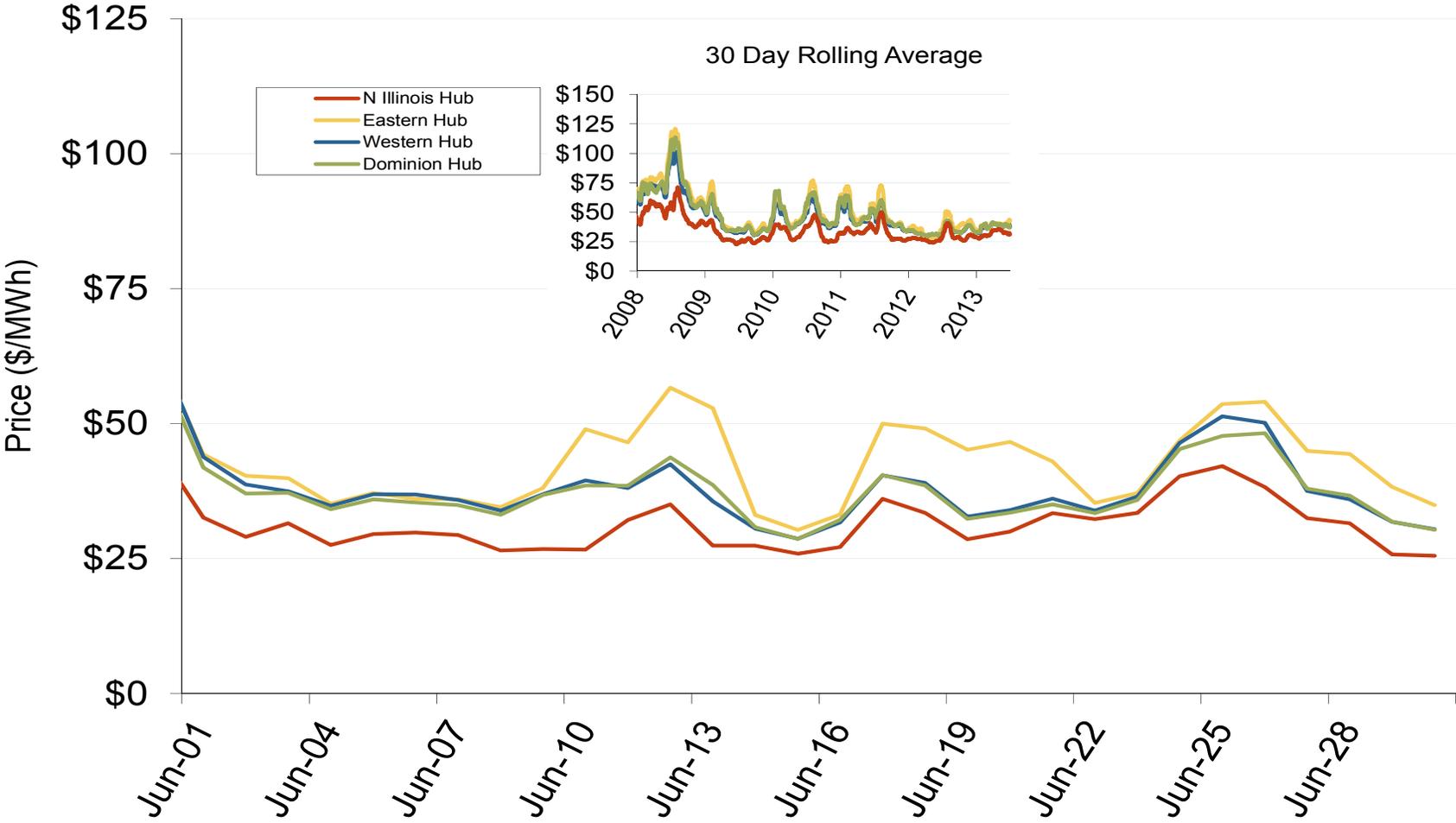
Source: Derived from *Platts* data
July 2013 Southeast Snapshot Report

Updated: July 05, 2013

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

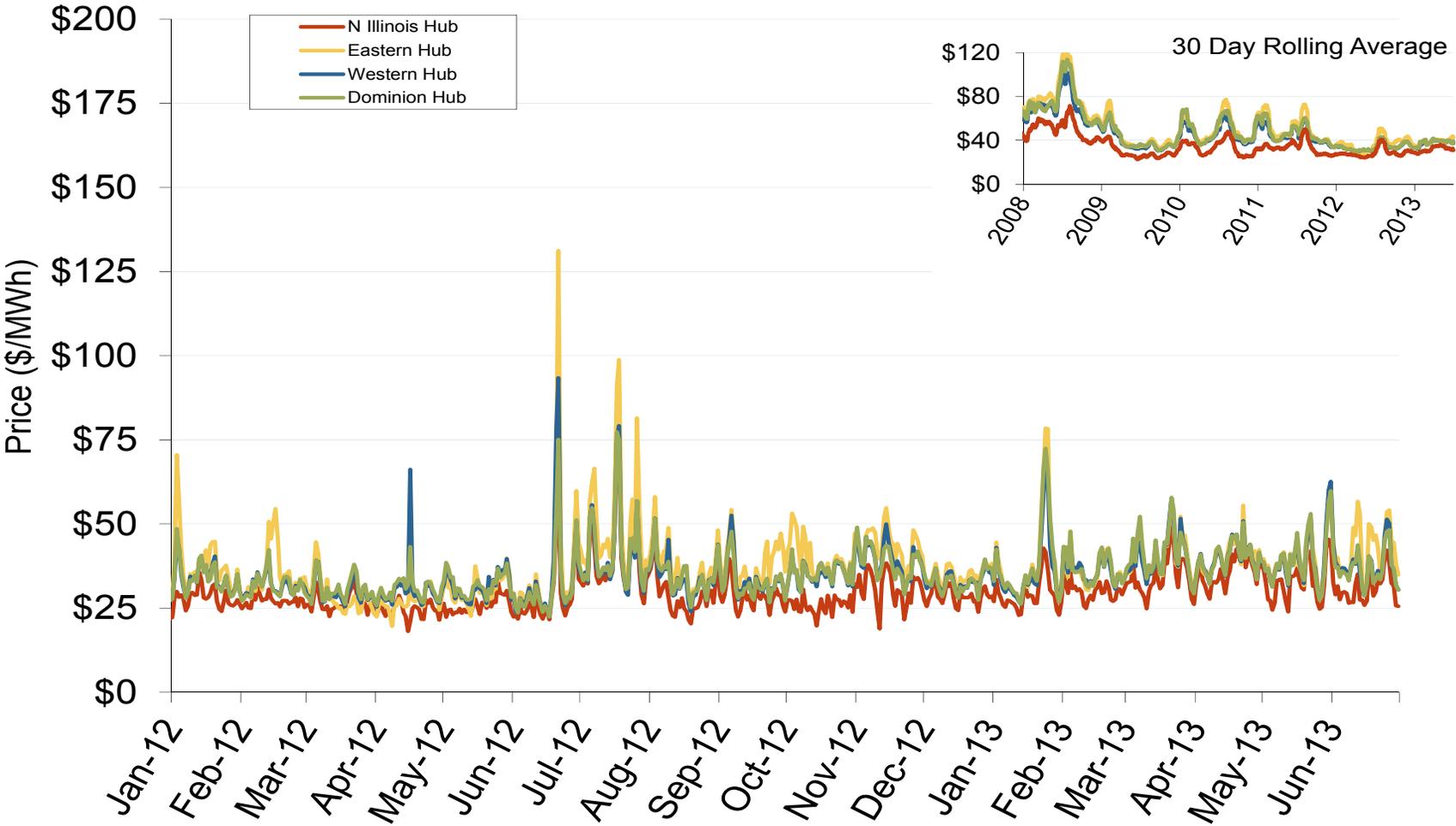
Daily Average of PJM Day-Ahead Prices - All Hours



Source: Derived from Bloomberg data
July 2013 Southeast Snapshot Report

Updated: July 10, 2013

Daily Average of PJM Day-Ahead Prices - All Hours



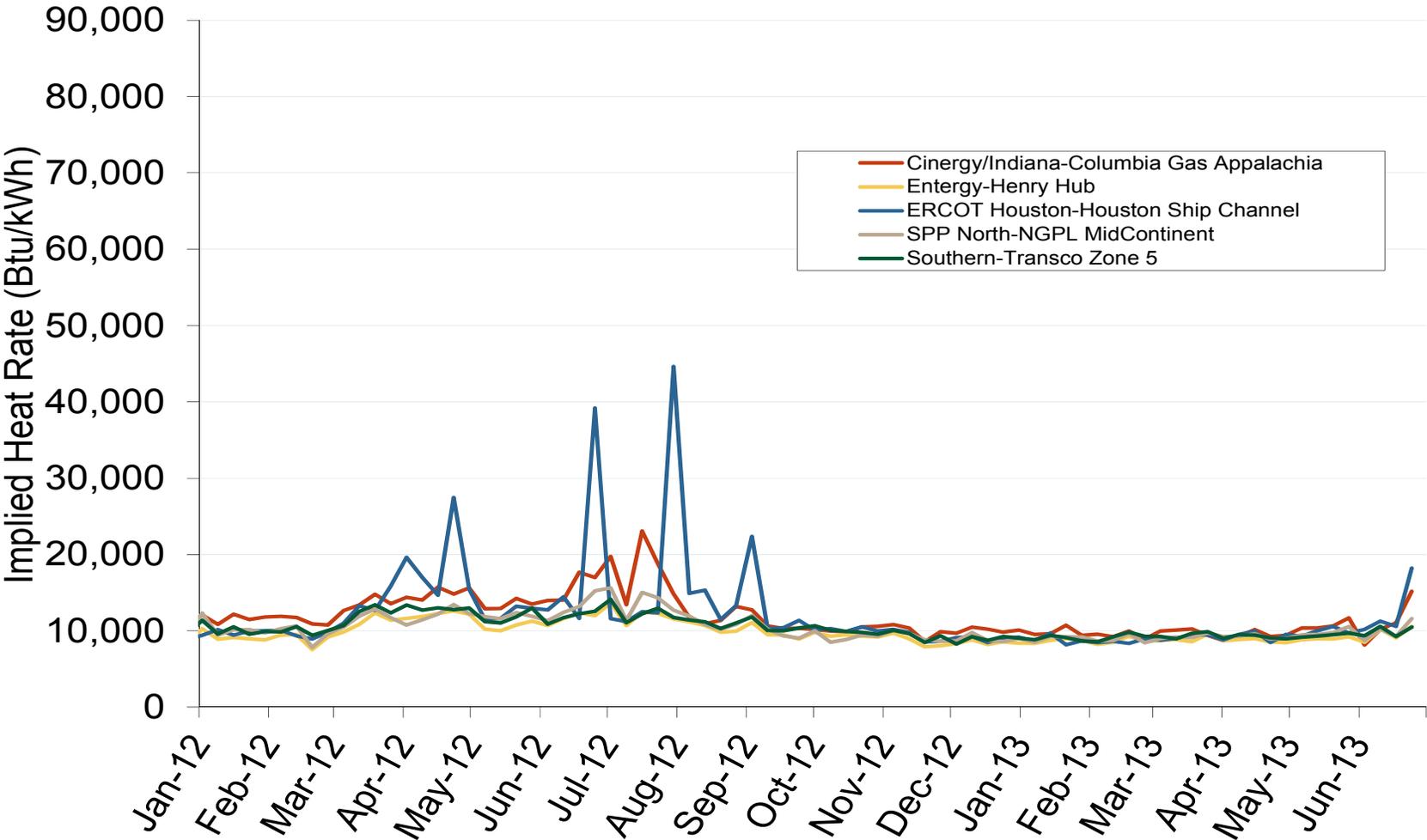
Source: Derived from *Bloomberg* data
July 2013 Southeast Snapshot Report

Updated: July 10, 2013

Southeast Electric Market: South Central Implied Heat Rates

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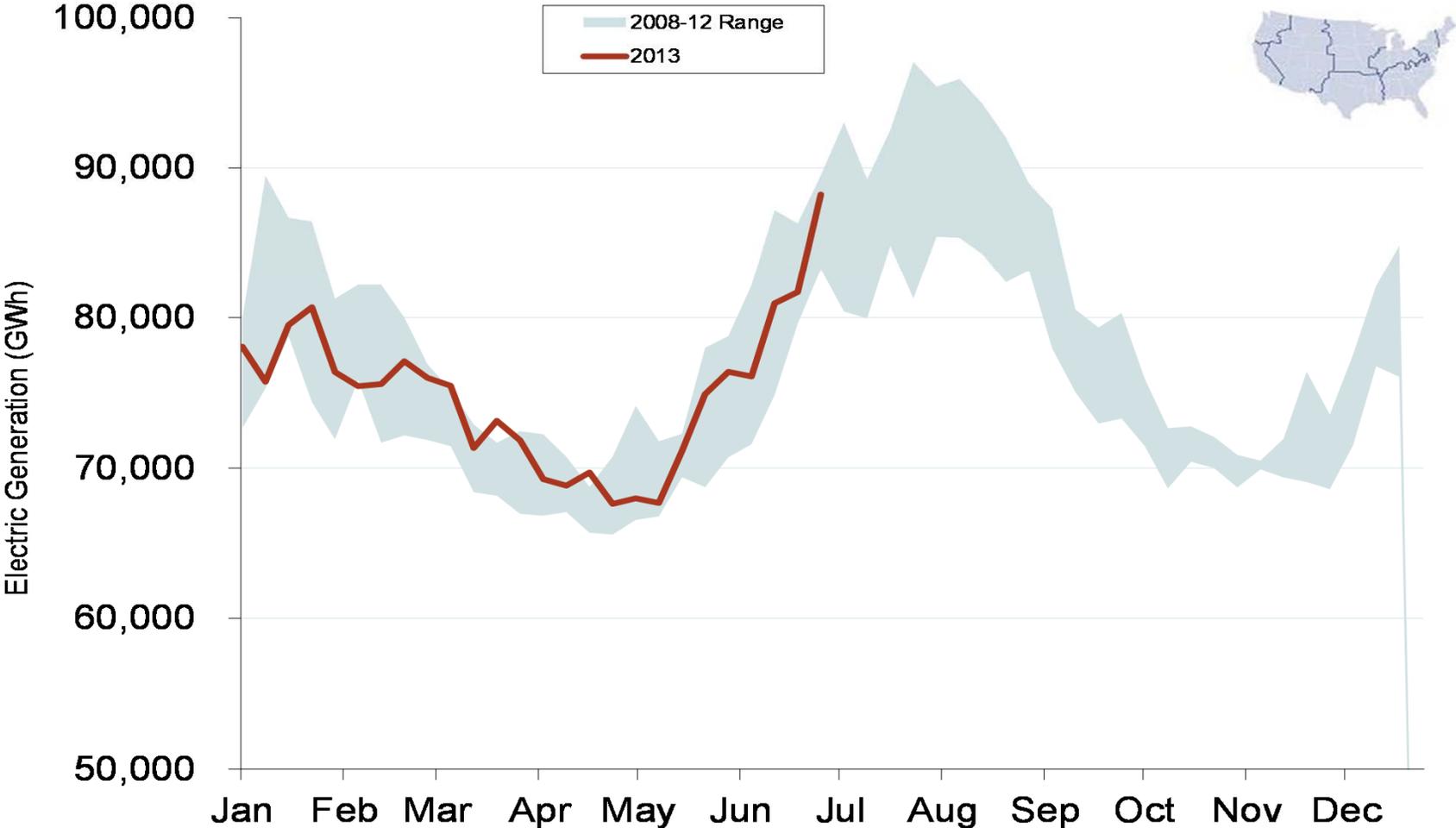
Implied Heat Rates at South Central Trading Points - Weekly Avgs.



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

Updated: July 05, 2013

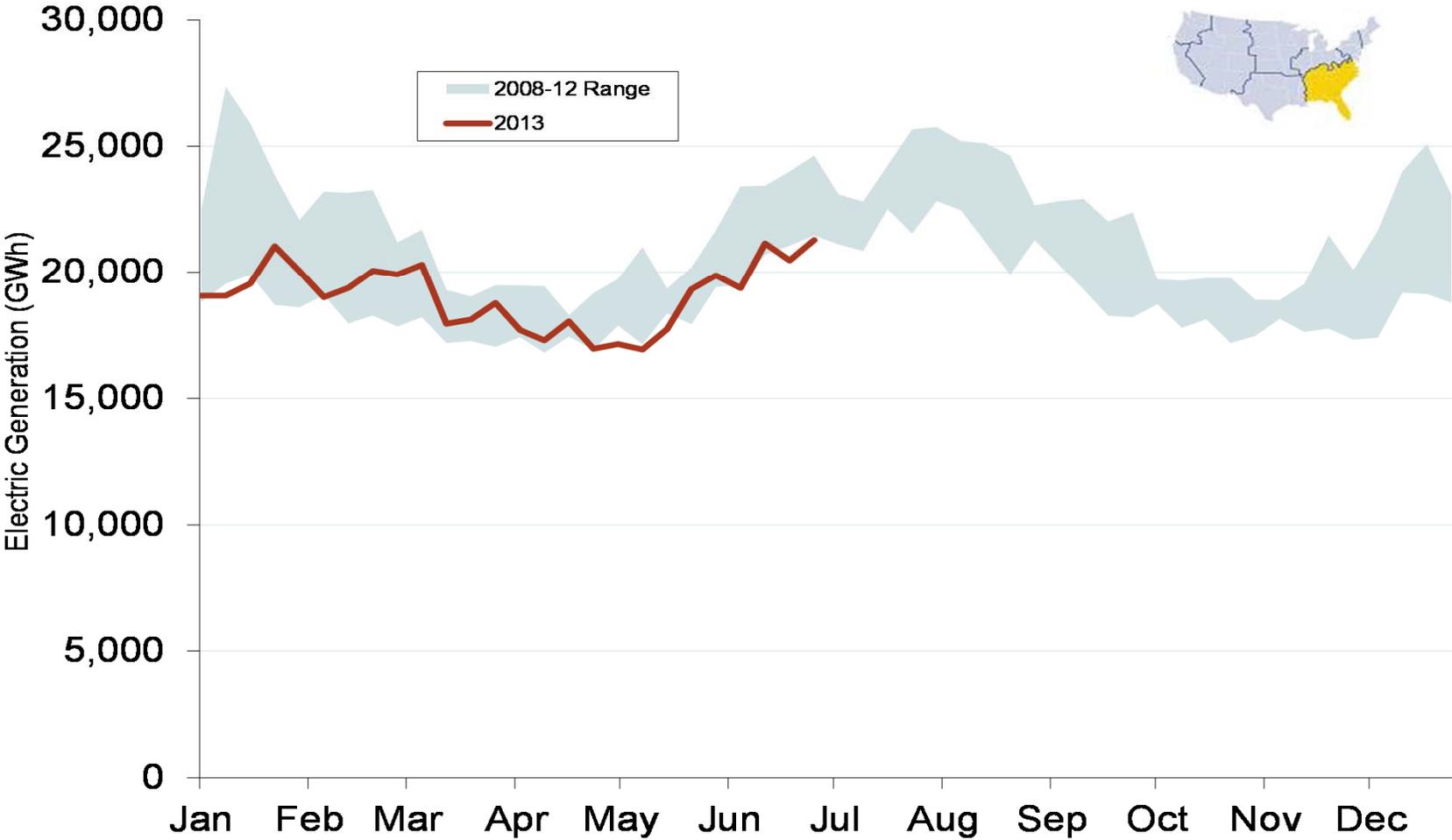
Weekly U.S. Electric Generation Output



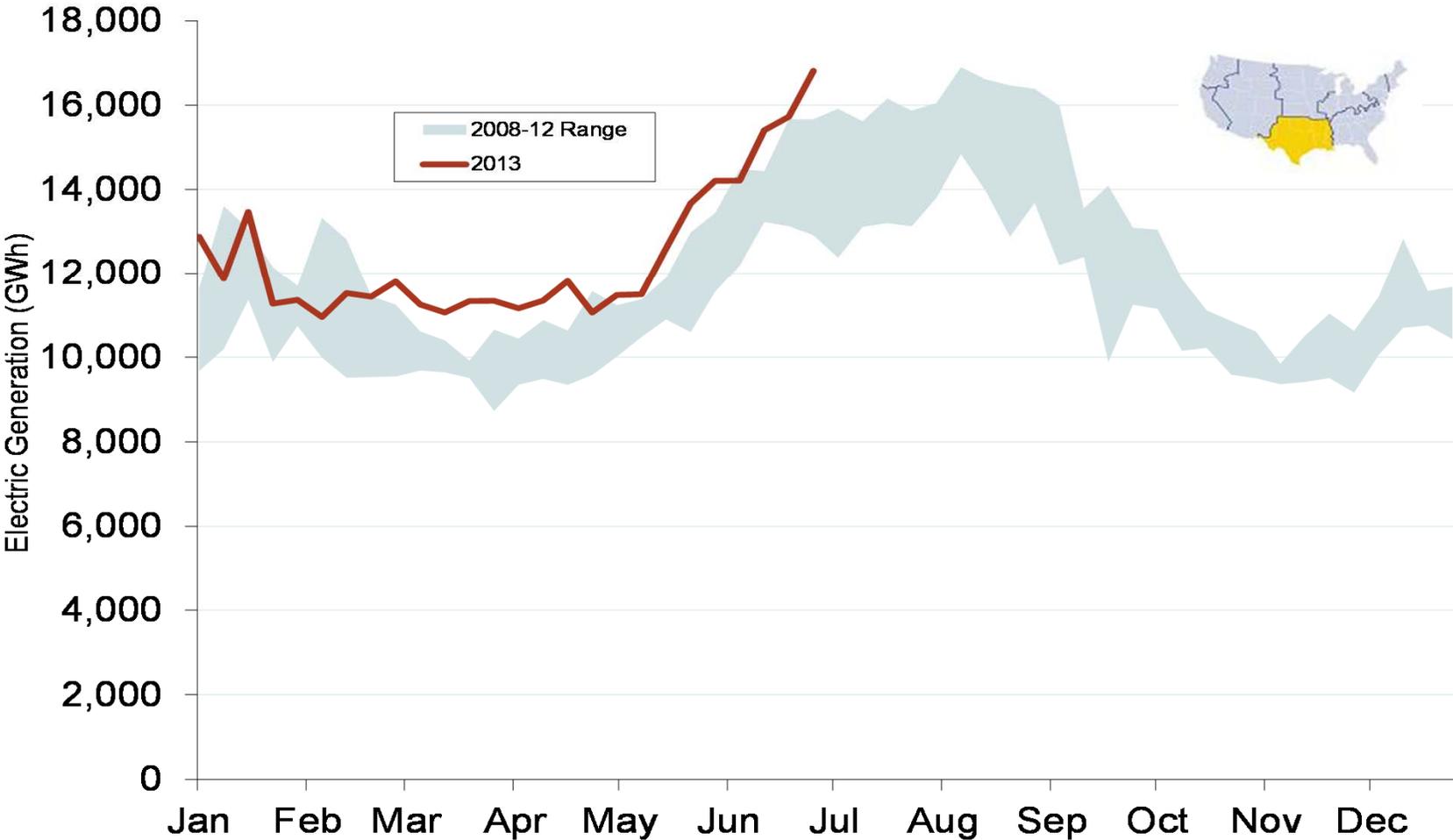
Source: Derived from *EEI* data
July 2013 Southeast Snapshot Report

Updated: July 09, 2013

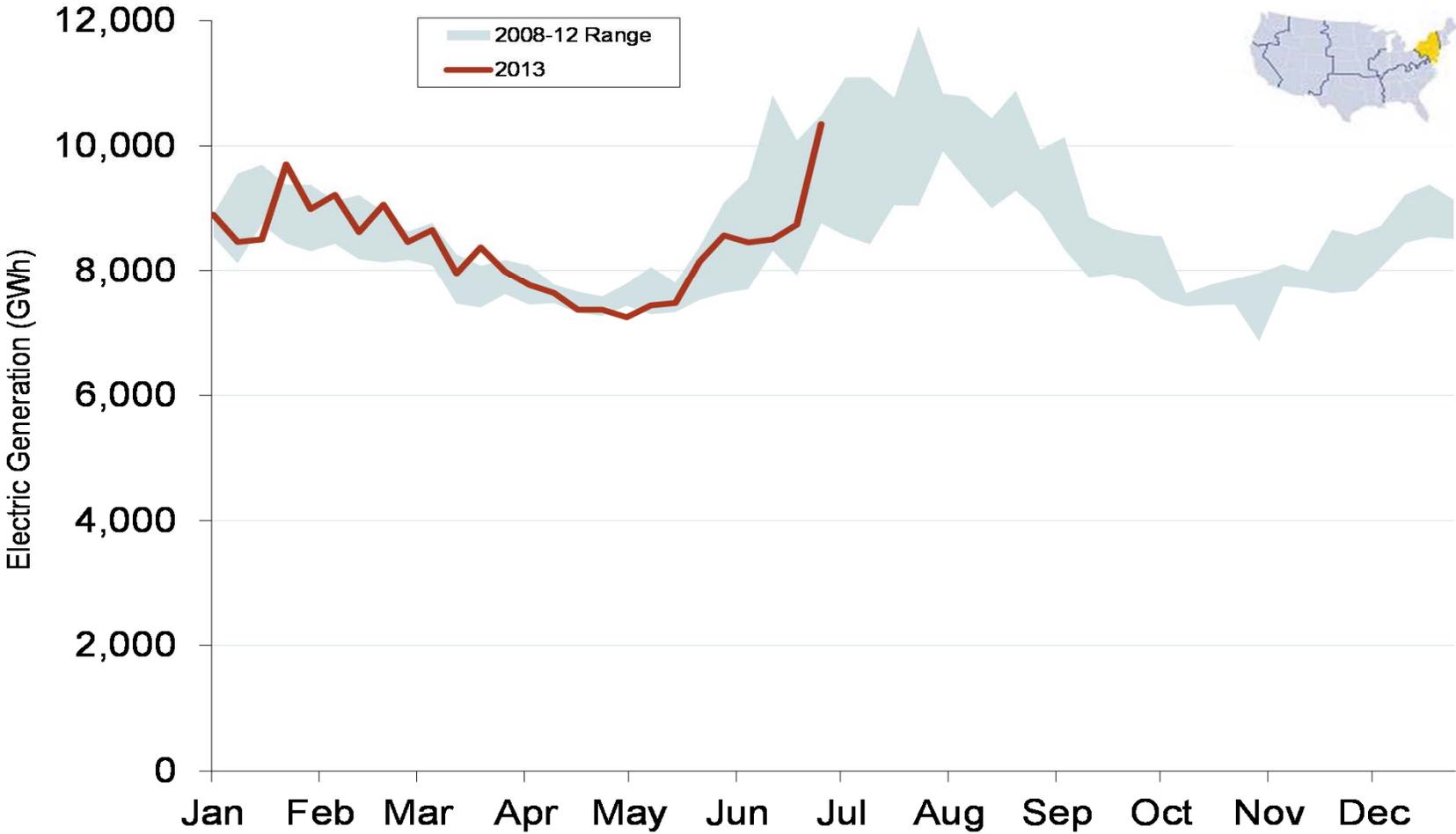
Weekly Generation Output - Southeast



Weekly Generation Output - South Central



Weekly Generation Output - Mid Atlantic



Monthly Southeastern Hydroelectric Generation

