OE ENERGY MARKET SNAPSHOT

Central Version – May 2014 Data

Office of Enforcement
Federal Energy Regulatory Commission
June 2014

2014 Summer Assessment

2014 Summer Assessment
http://www.ferc.gov/market-oversight/reports-analyses/mkt-views/2014/05-15-14.pdf

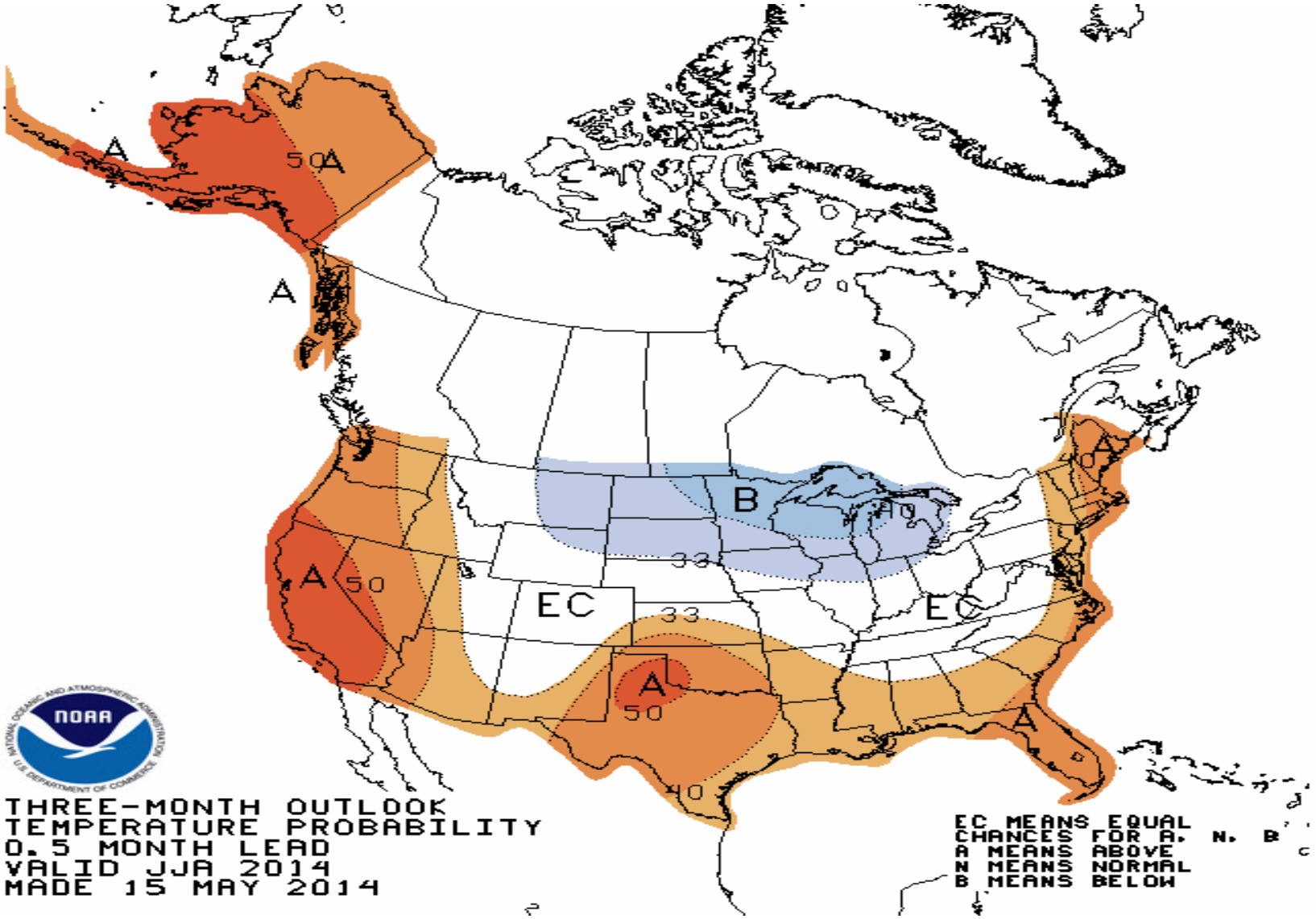
Infrastructure Report

Office of Energy Projects Energy Infrastructure Update
http://www.ferc.gov/legal/staff-reports.asp

(see “Energy Infrastructure” tab)

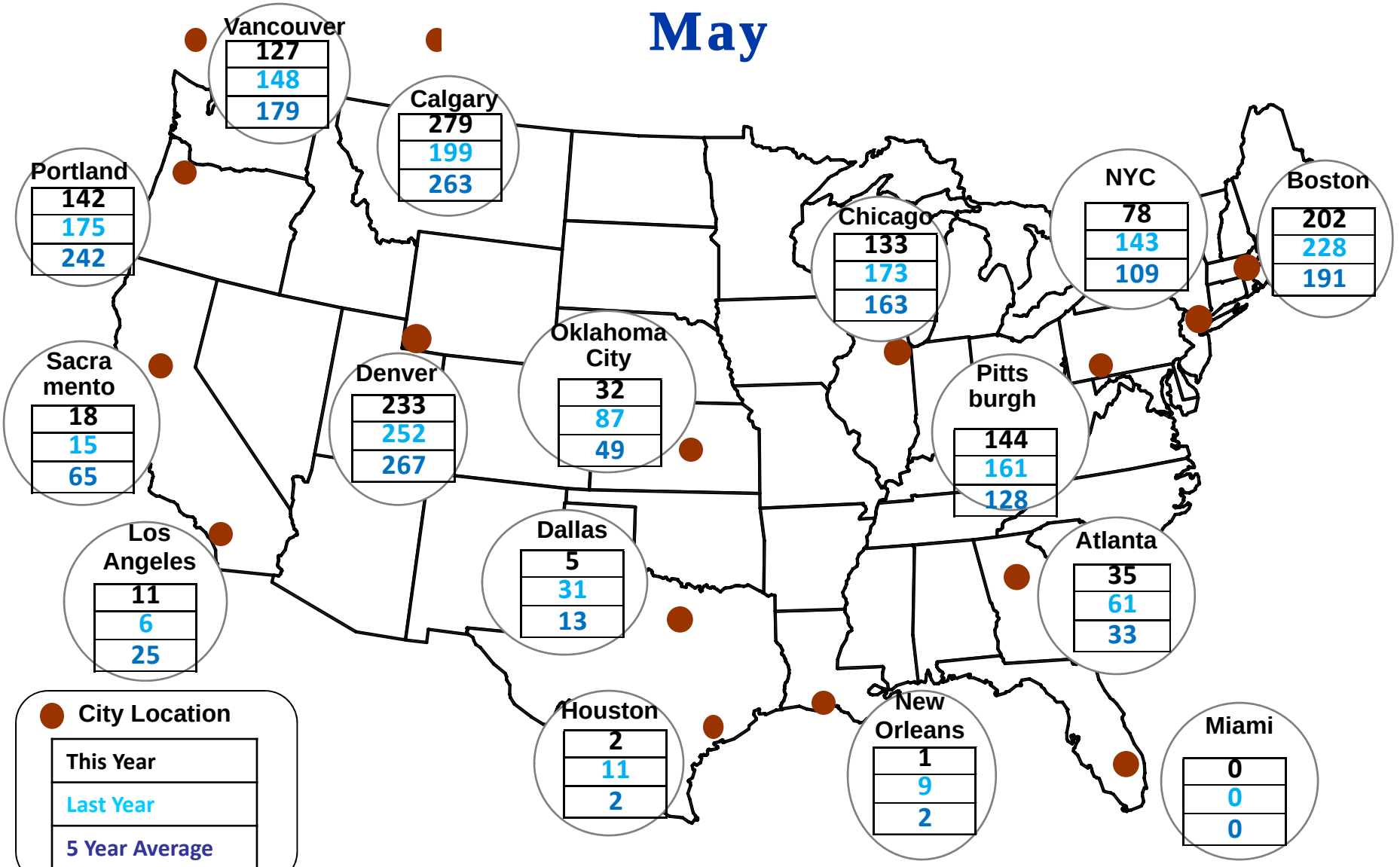
National Slides

NOAA 3 Month Outlook



Cumulative HDDs by City

May

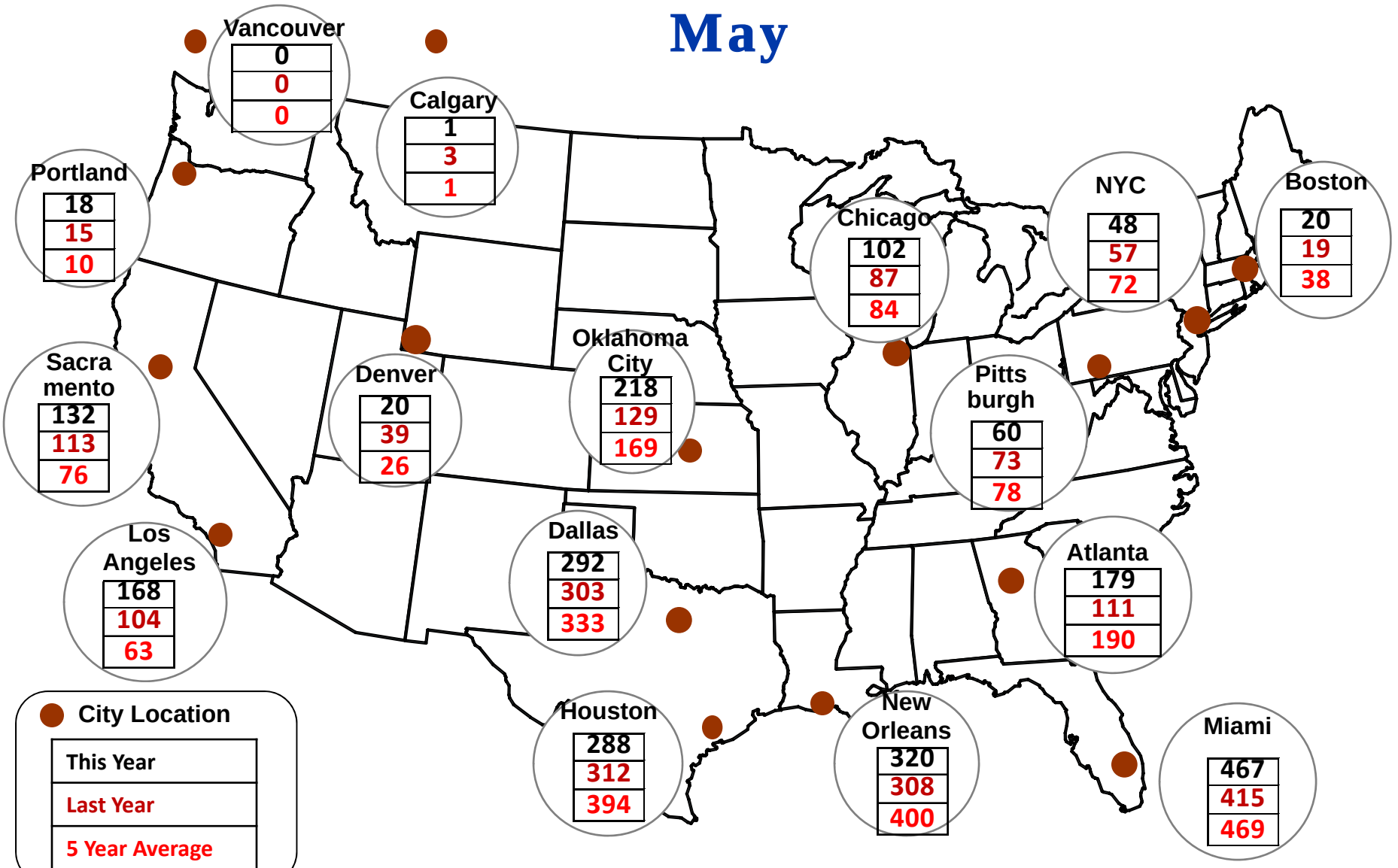


Source: Bloomberg Weather

Updated 6/19/2014

Cumulative CDDs by City

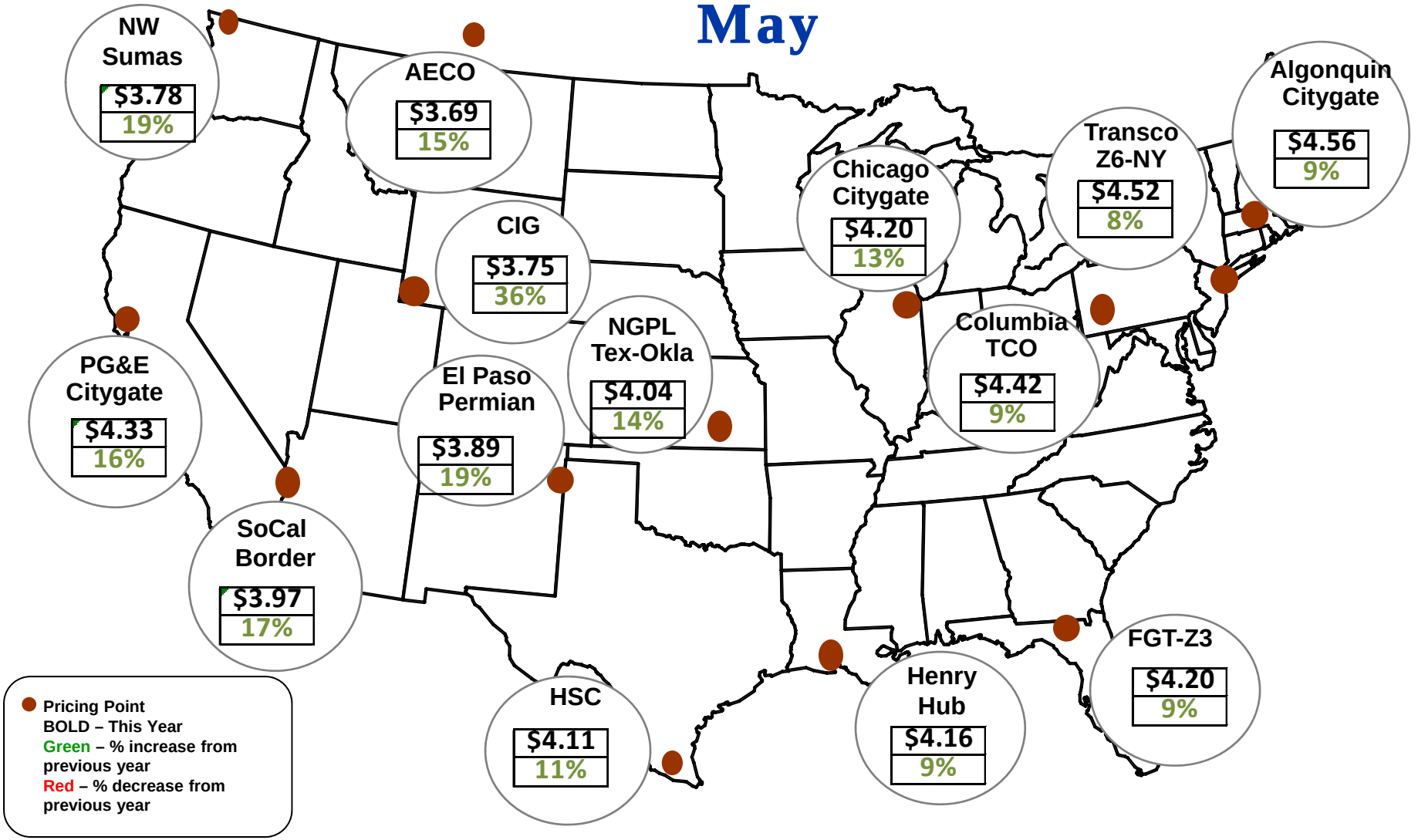
May



Source: Bloomberg Weather

Updated 6/19/2014

Spot Natural Gas Prices
Average ($/MMBtu)
May

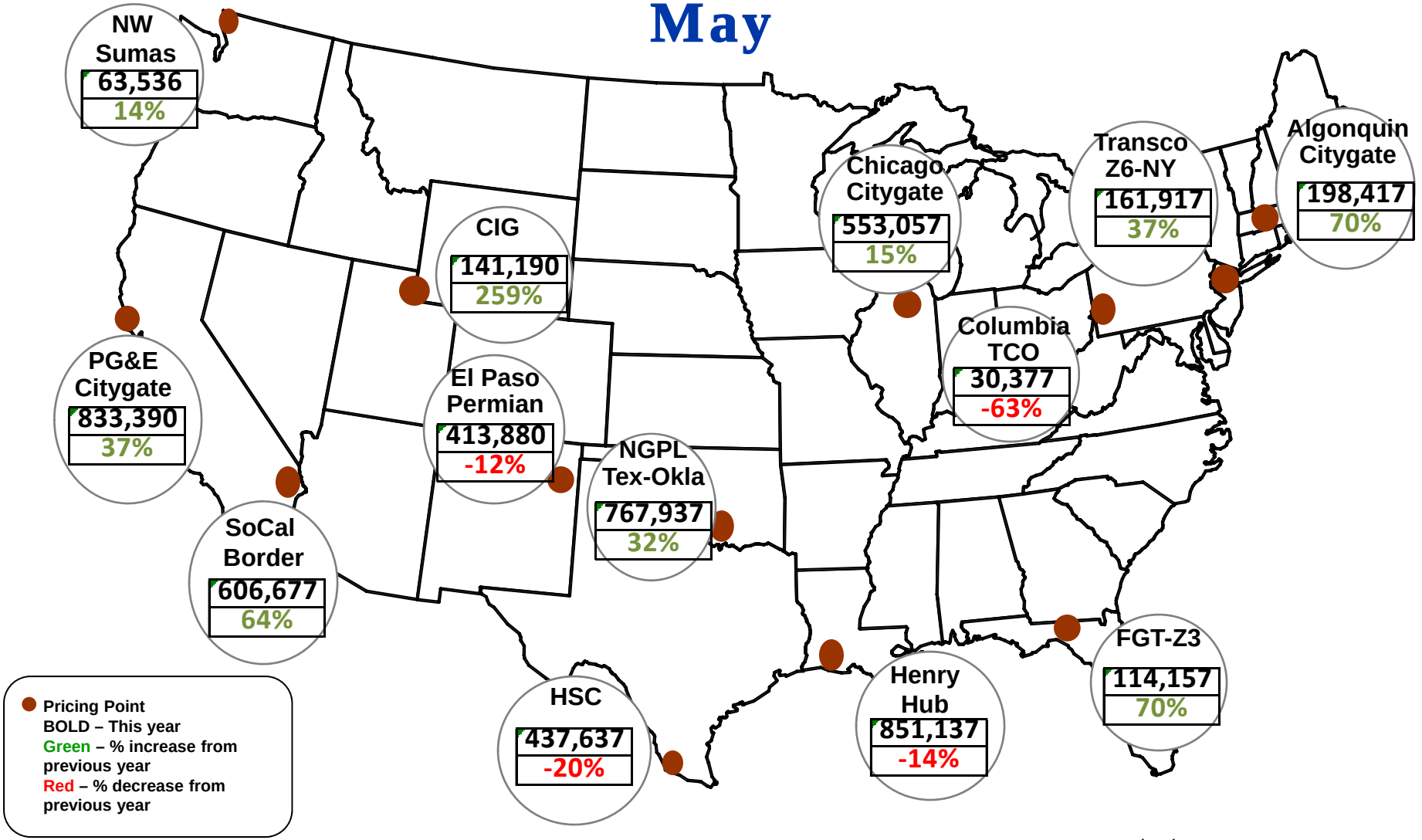


Source: ICE

Updated 6/19/2014

Spot Natural Gas Trading Volumes Average (MMBtus)

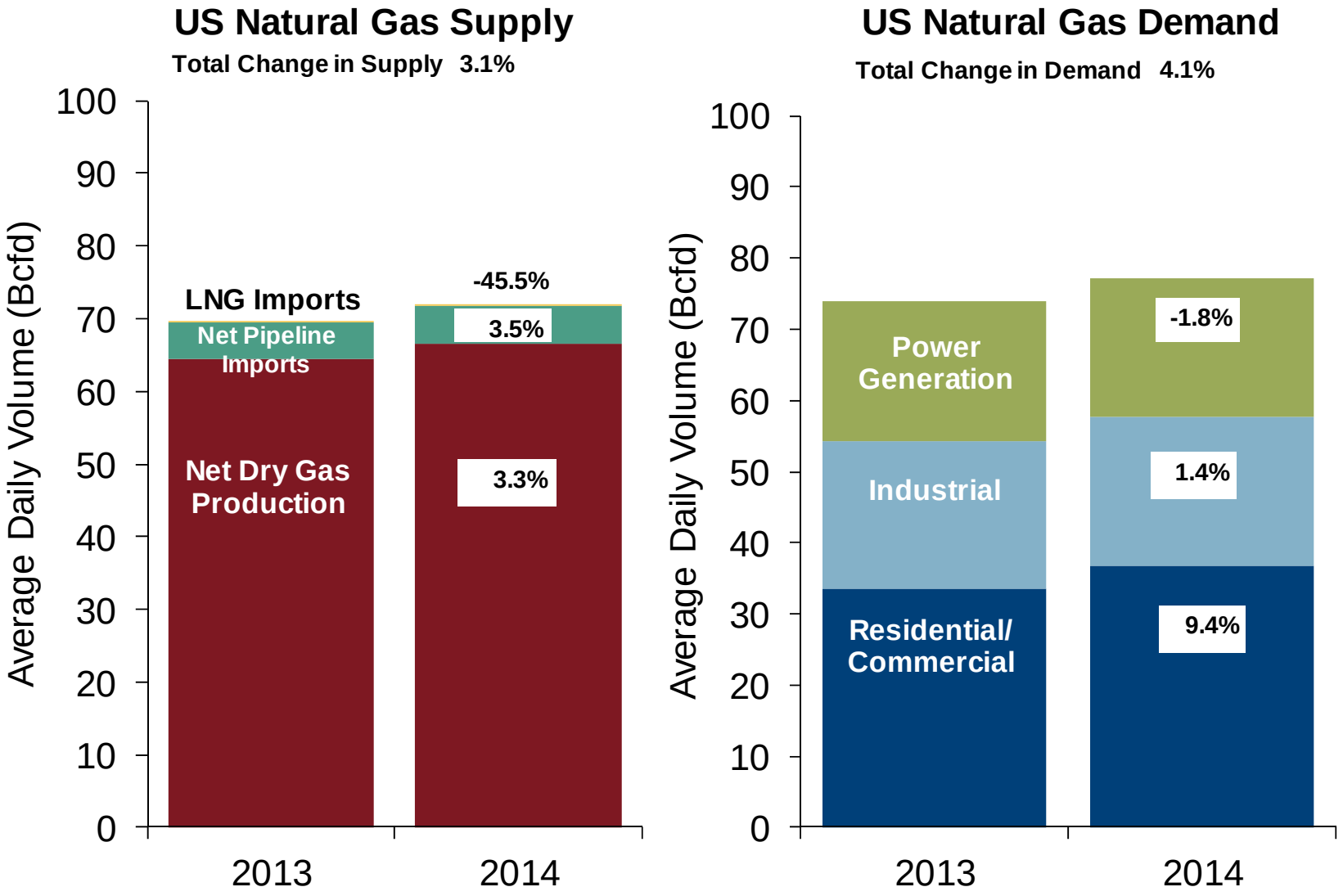
May



Source: ICE

Updated 6/19/2014

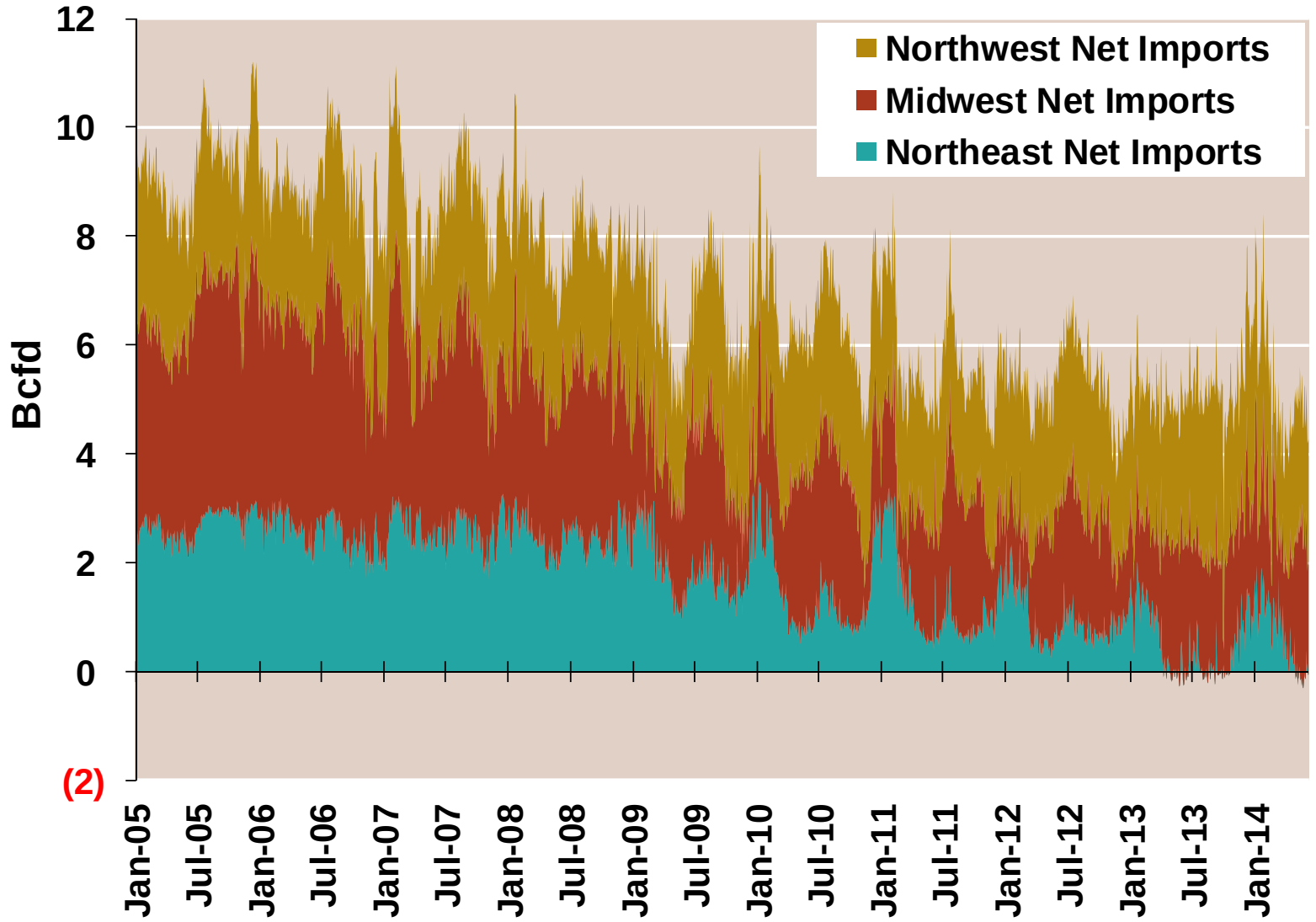
U.S. NG Supply and Demand May 2013 vs. May 2014



Note: Balance includes all amounts not attributable to other categories.
Source: Derived from *Bentek Energy* data

Updated: June 2014

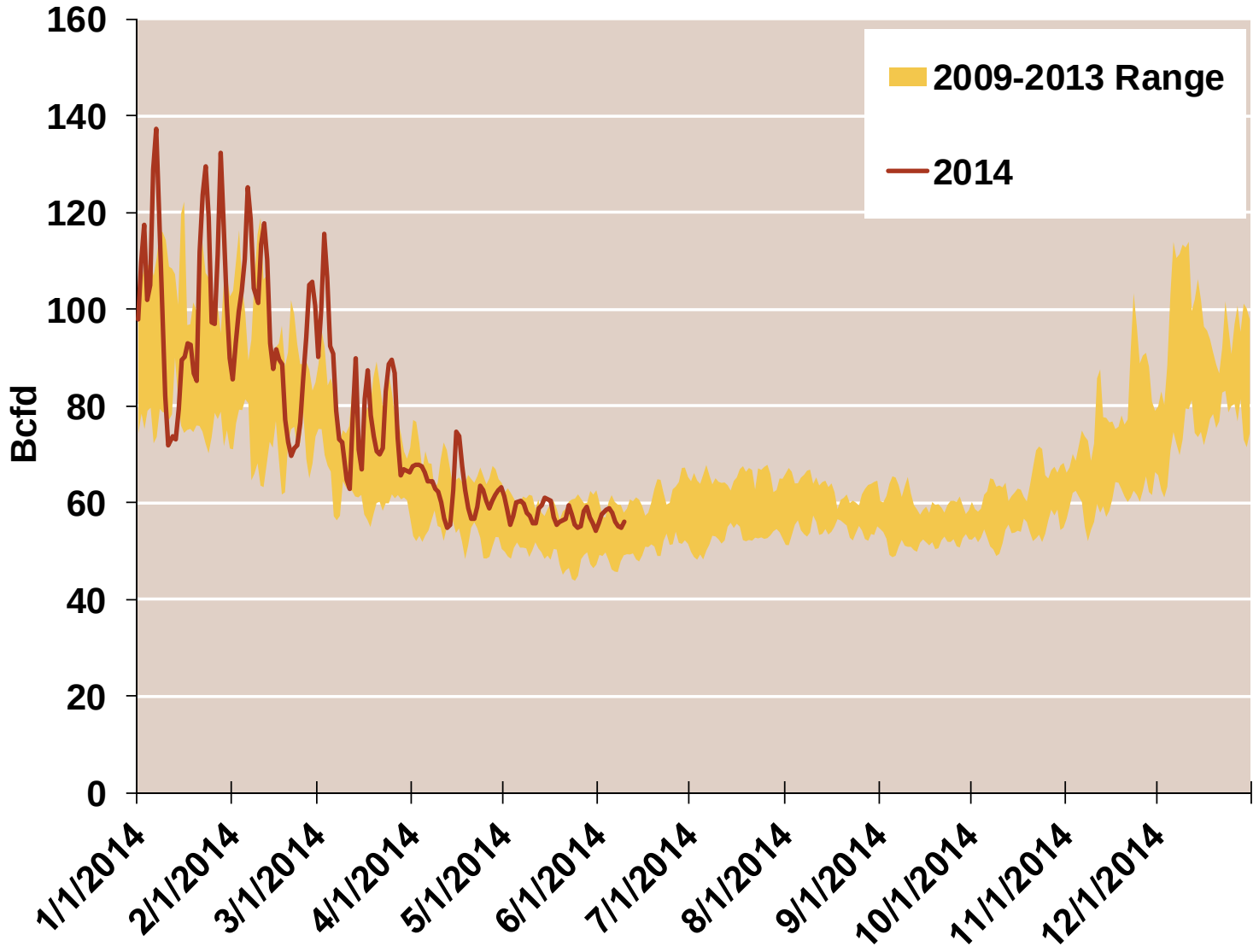
Regional Imports from Canada



Source: Derived from *Bentek Energy* data

Updated: June 2014

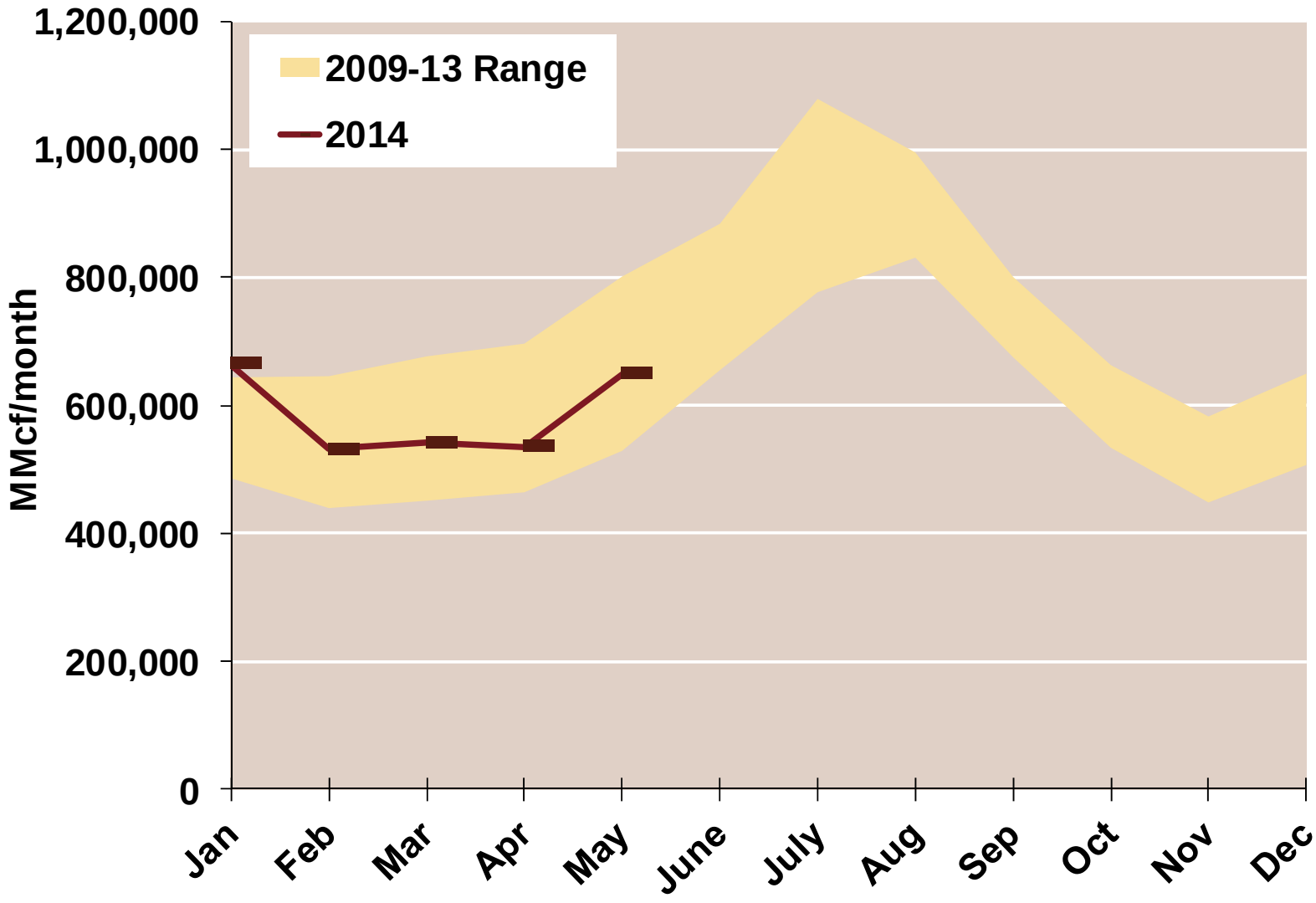
Total U.S. Natural Gas Demand All Sectors



Source: Derived from *Bentek Energy* data, derived from interstate pipeline flow and modeled data.

Updated: June 2014

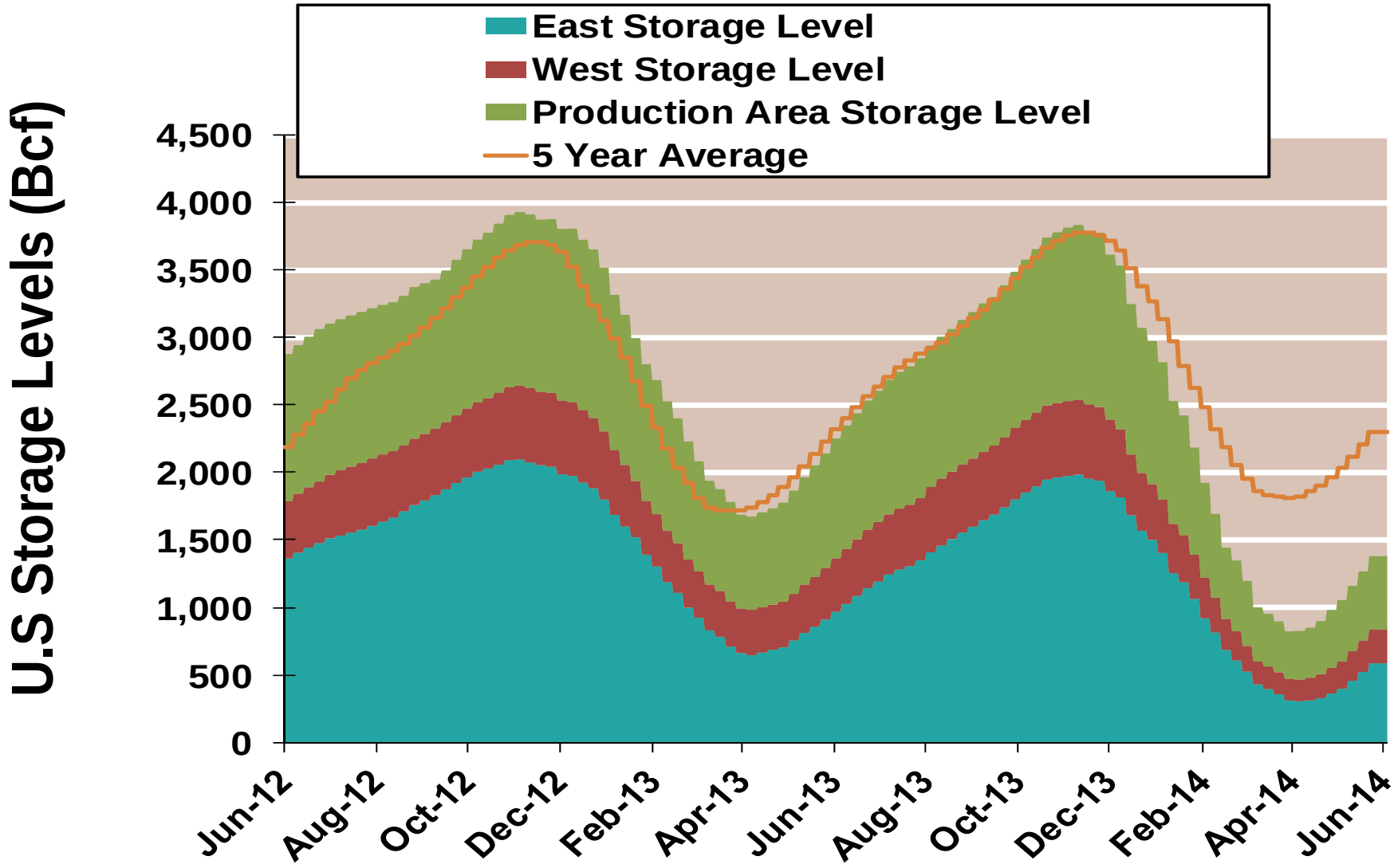
U.S. Natural Gas Consumption for Power Generation



Source: Derived from *Bentek Energy* data

Updated: June 2014

EIA National Storage Inventories by Region

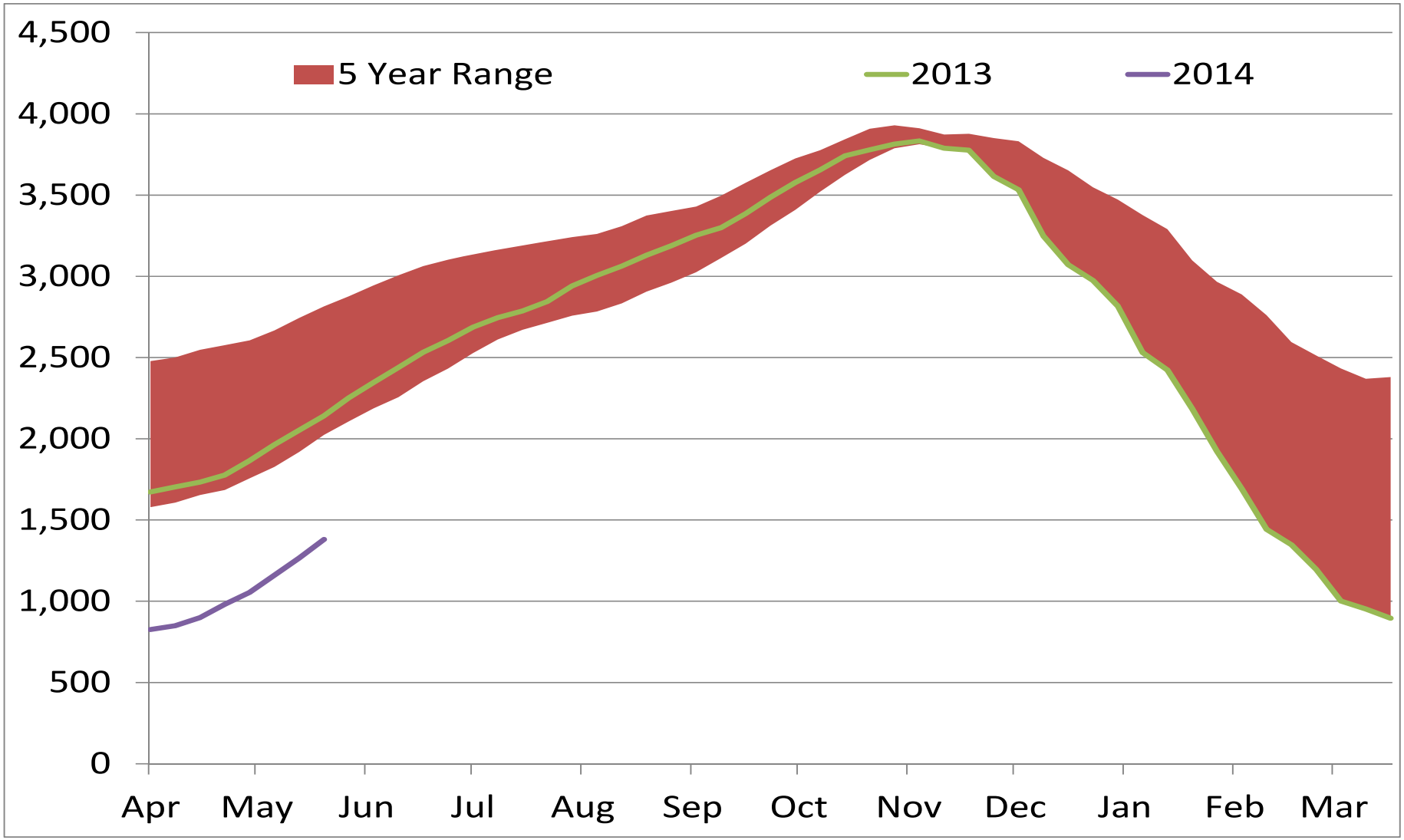


Notes:

Source: Derived from Bloomberg Data

Updated 6/4/2014

EIA National Storage Inventories

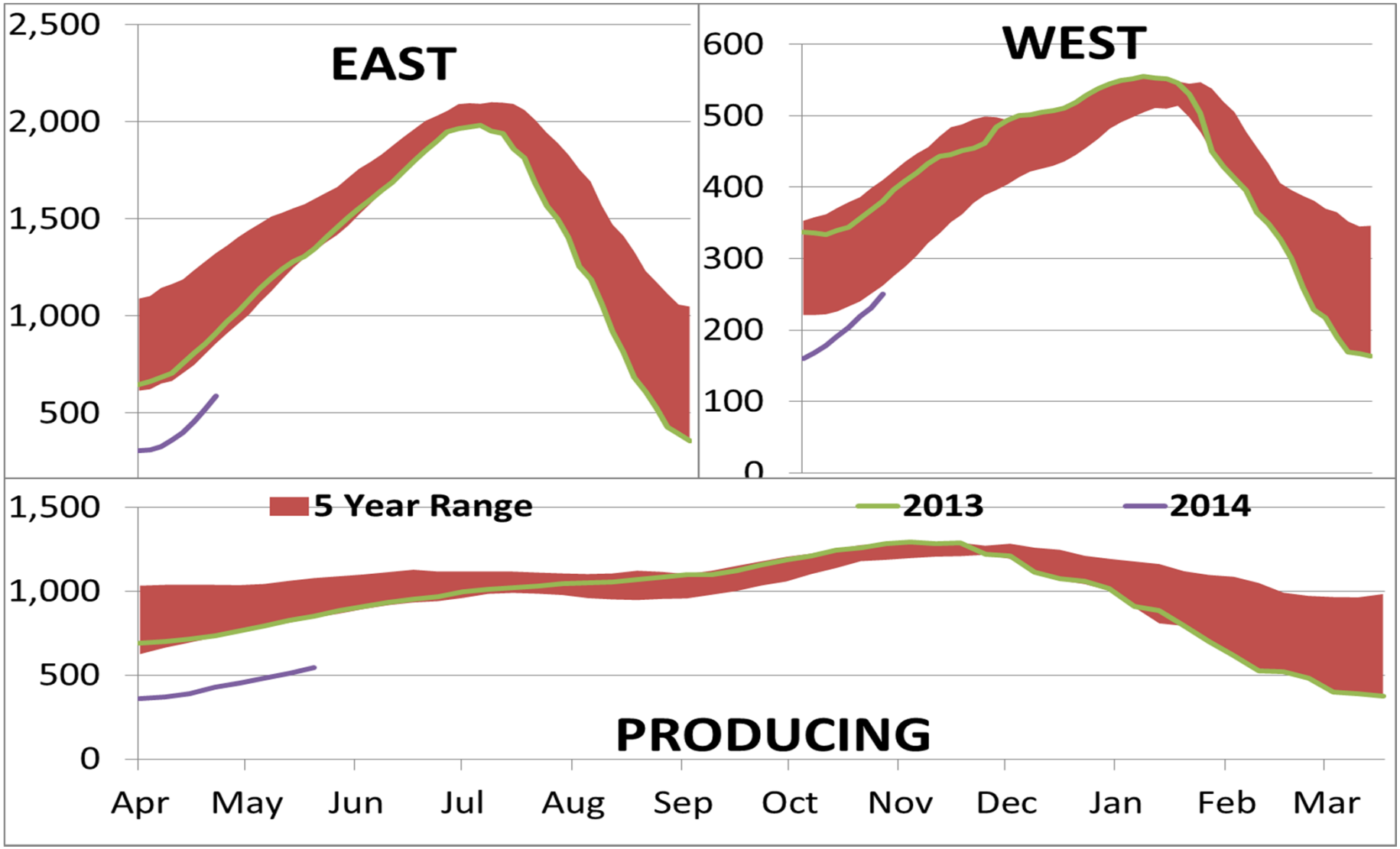


Notes:

Source: Derived from Bloomberg Data

Updated 6/4/2014

EIA Regional Storage Inventories

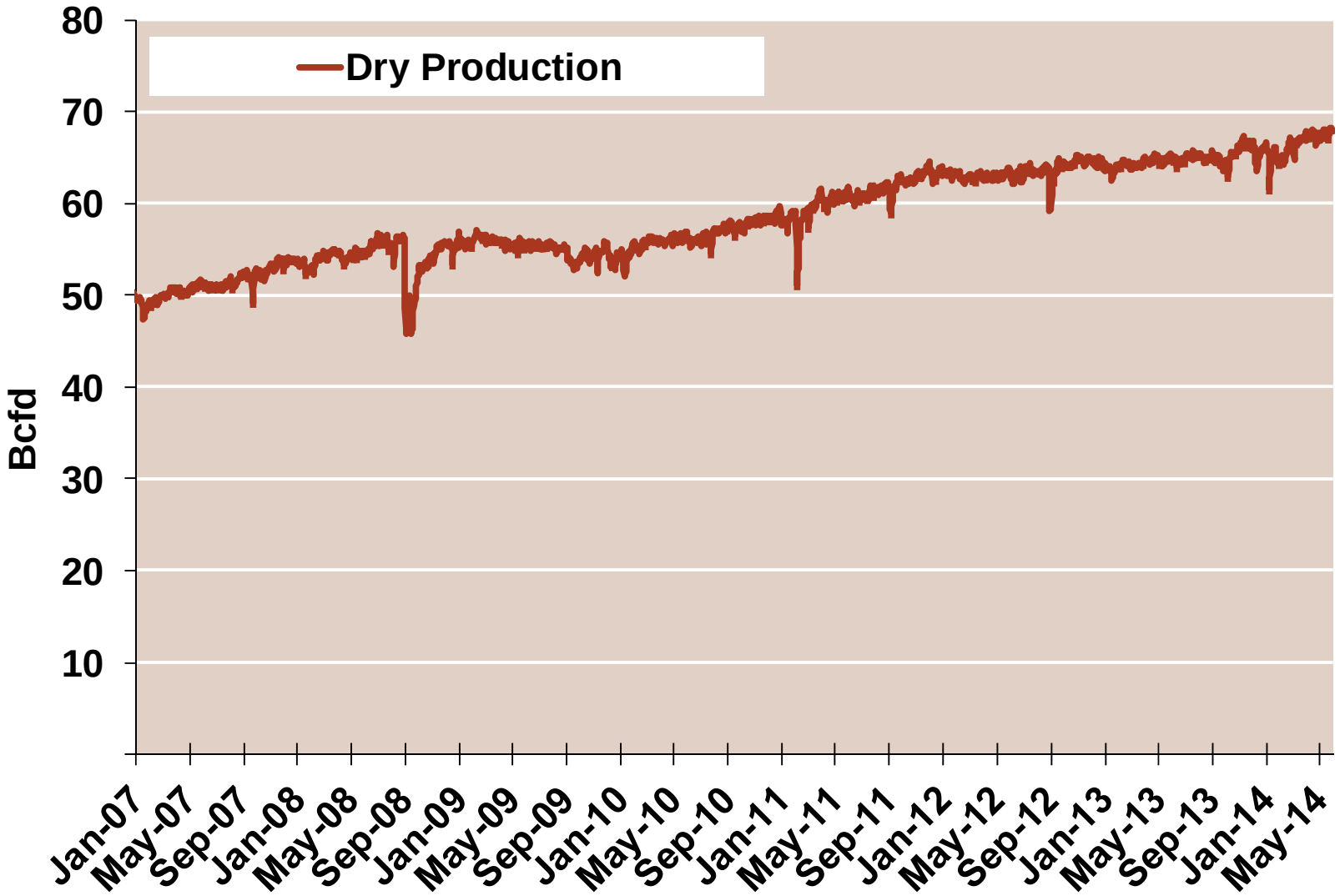


Notes:

Source: Derived from Bloomberg Data

Updated 6/4/2014

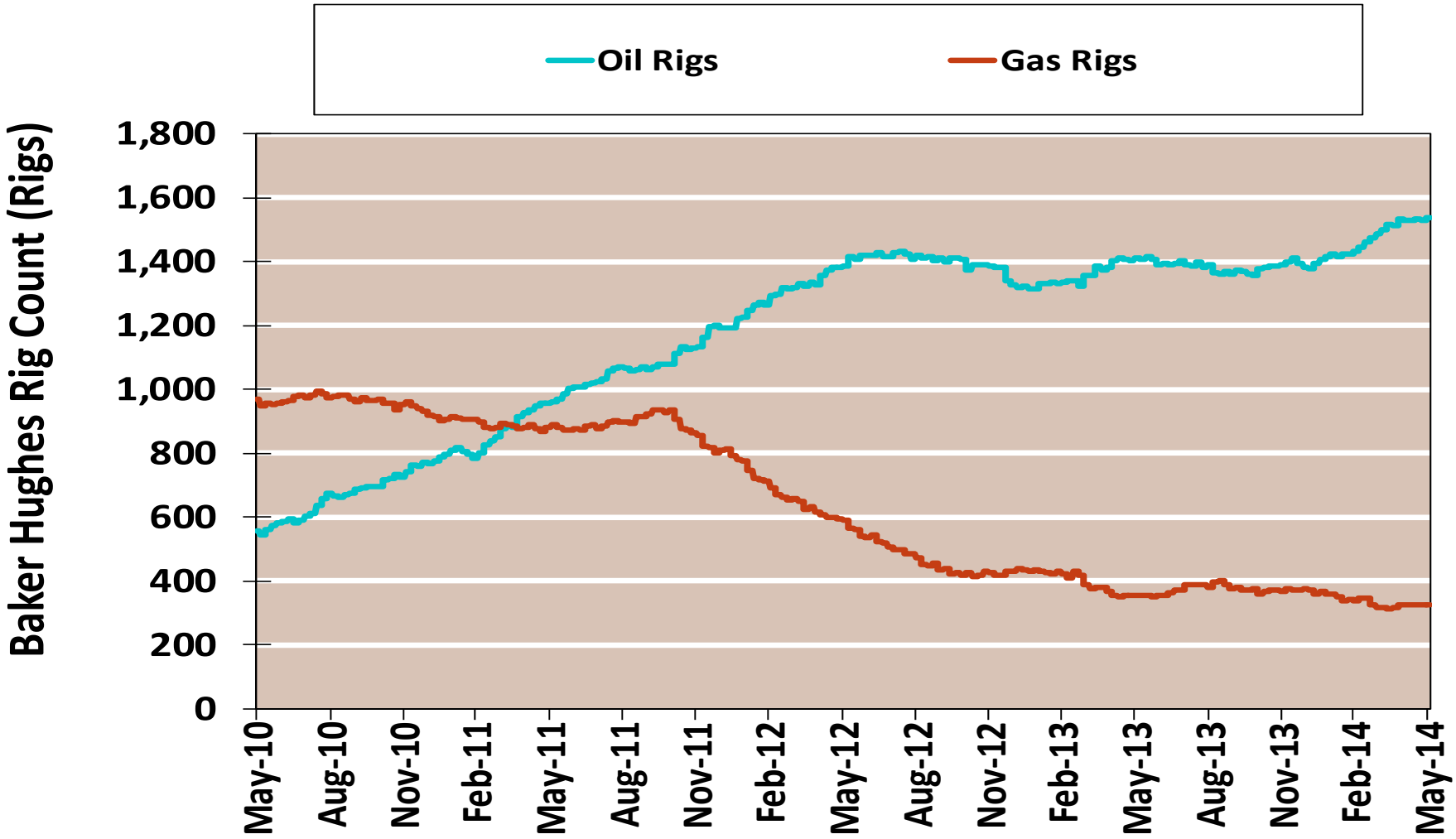
Monthly U.S. Dry Gas Production – Lower 48 States



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

Updated: June 2014

NG Rigs by Type

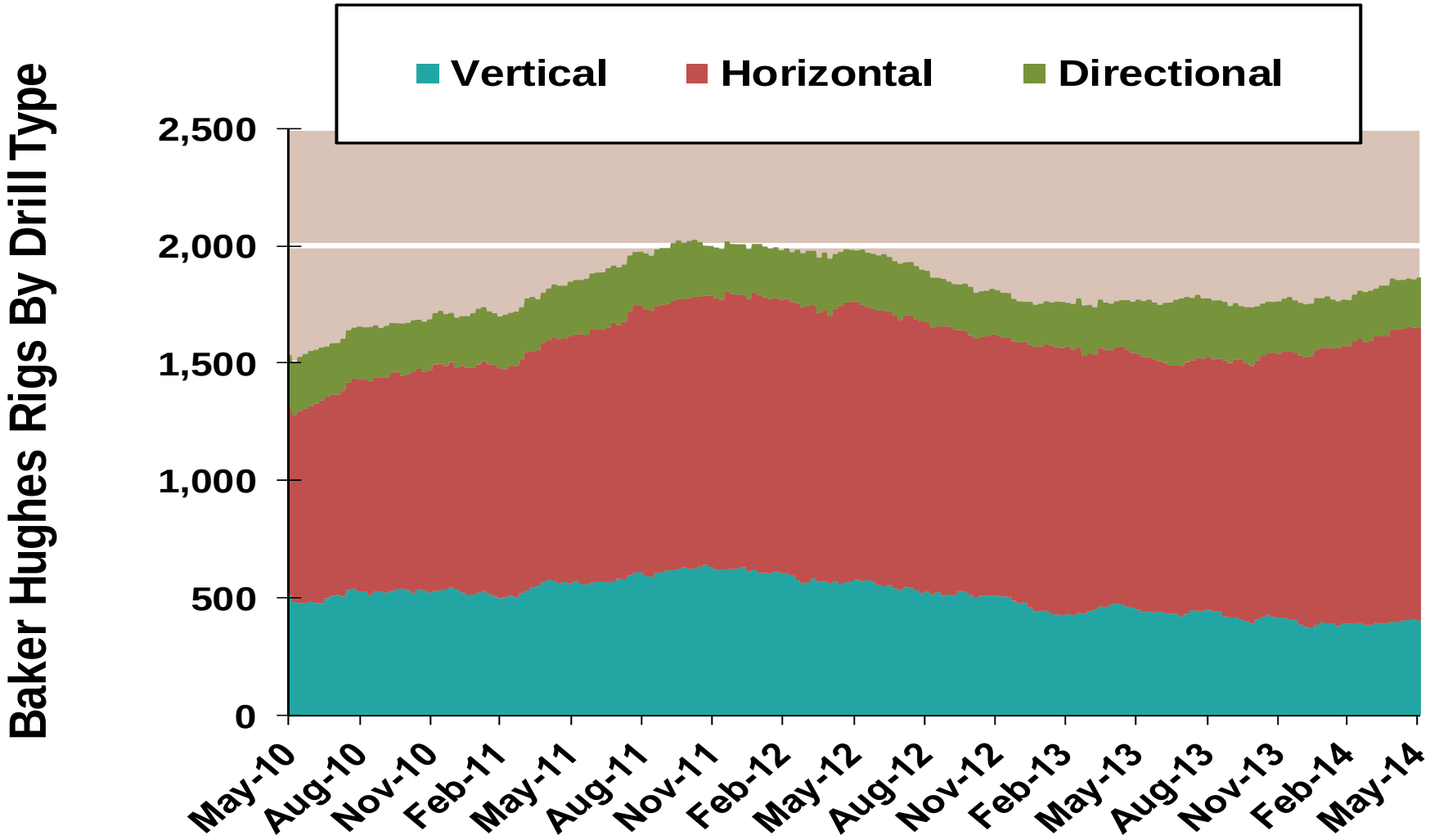


Notes:

Source: Derived from Bloomberg data

Updated 6/4/2014

NG Rig by Direction

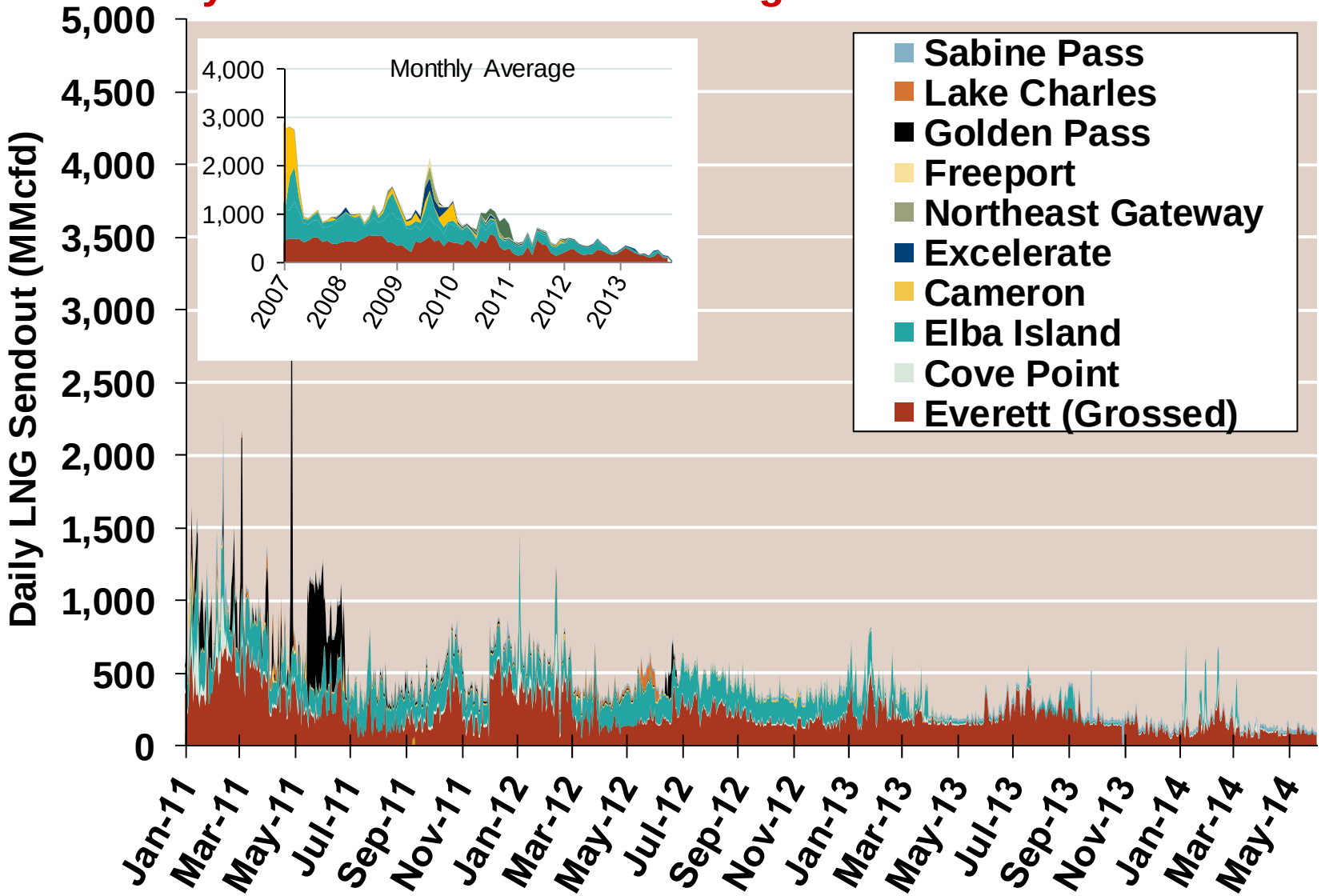


Notes:

Source: Derived from Bloomberg data

Updated 6/4/2014

Daily Gas Sendout from Existing U.S. LNG Facilities

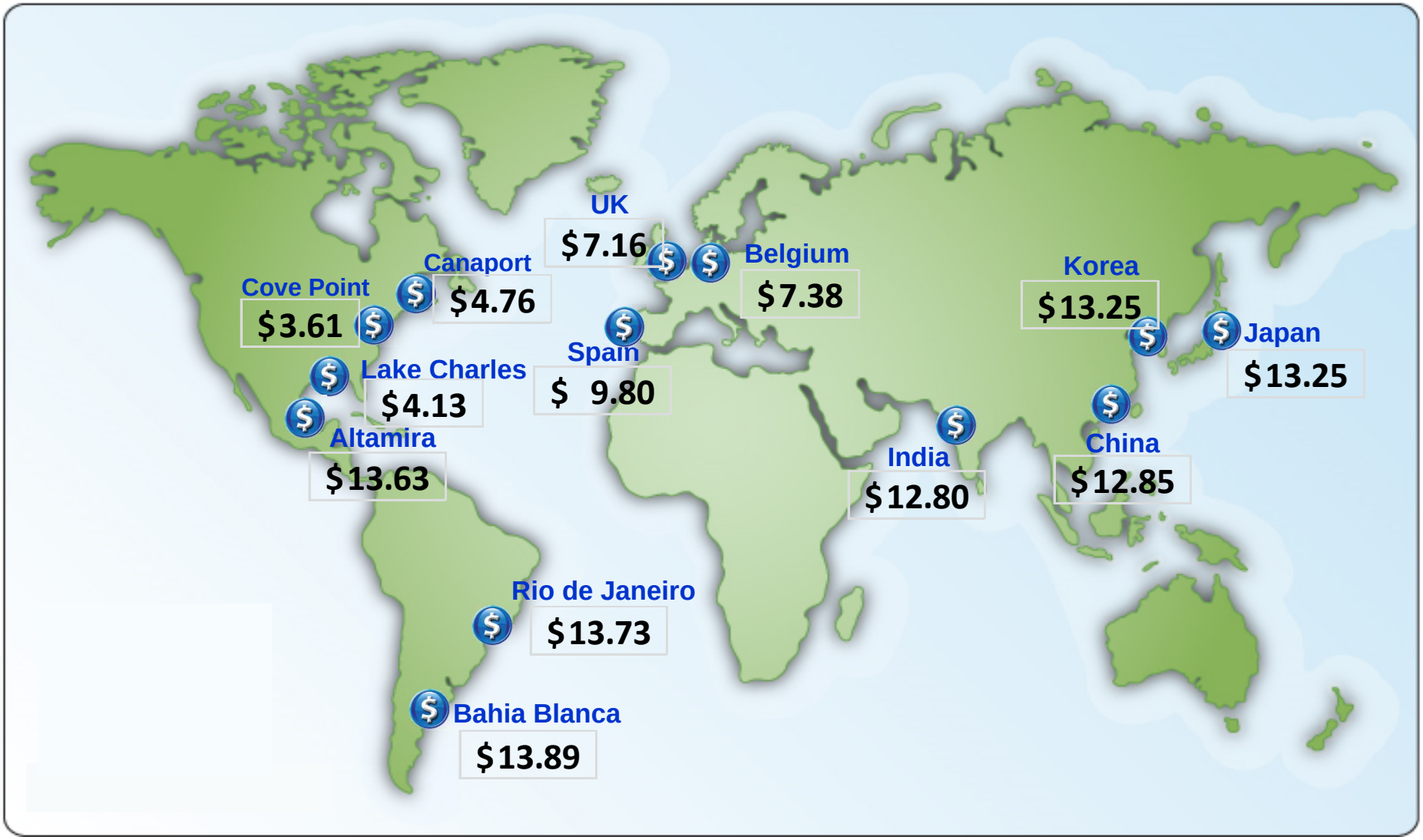


Notes: Everett data includes flows onto the AGT and TGP interstate lines, plus estimates of flows to the Mystic 7 power plant, Keyspan Boston Gas, and LNG trucked out of the terminal. Excludes flows to the Freeport LNG which flows via intrastate pipelines and flows to the Mystic 8 and 9 power plants.

Source: Derived from *Bentek Energy* data

Updated: June 2014

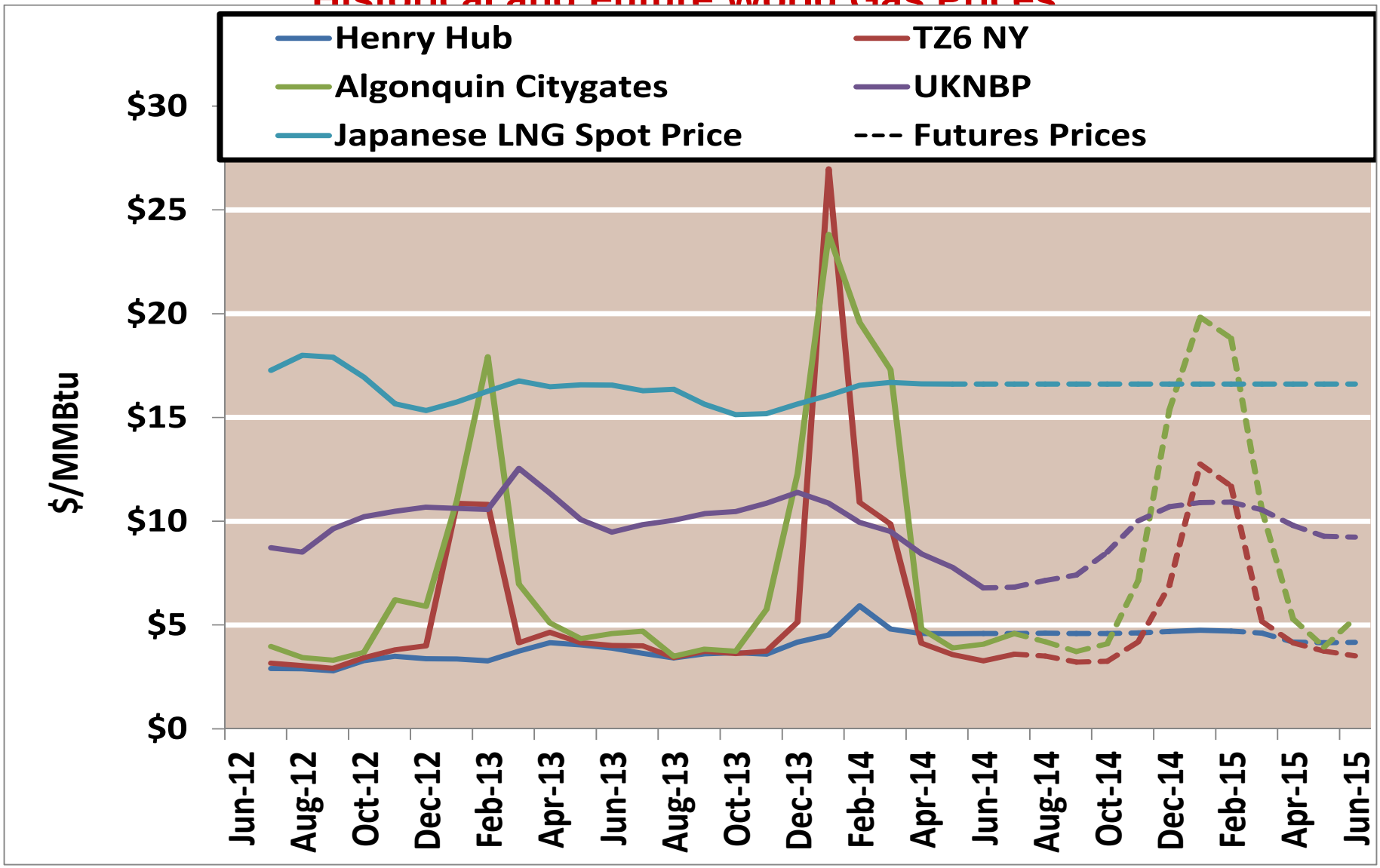
World LNG Estimated July 2014 Landed Prices



Source: *Waterborne Energy, Inc*. Data in $US/MMBtu

Updated June 2014

Historical and Future World Gas Prices



Notes:

Source: Derived from Bloomberg data

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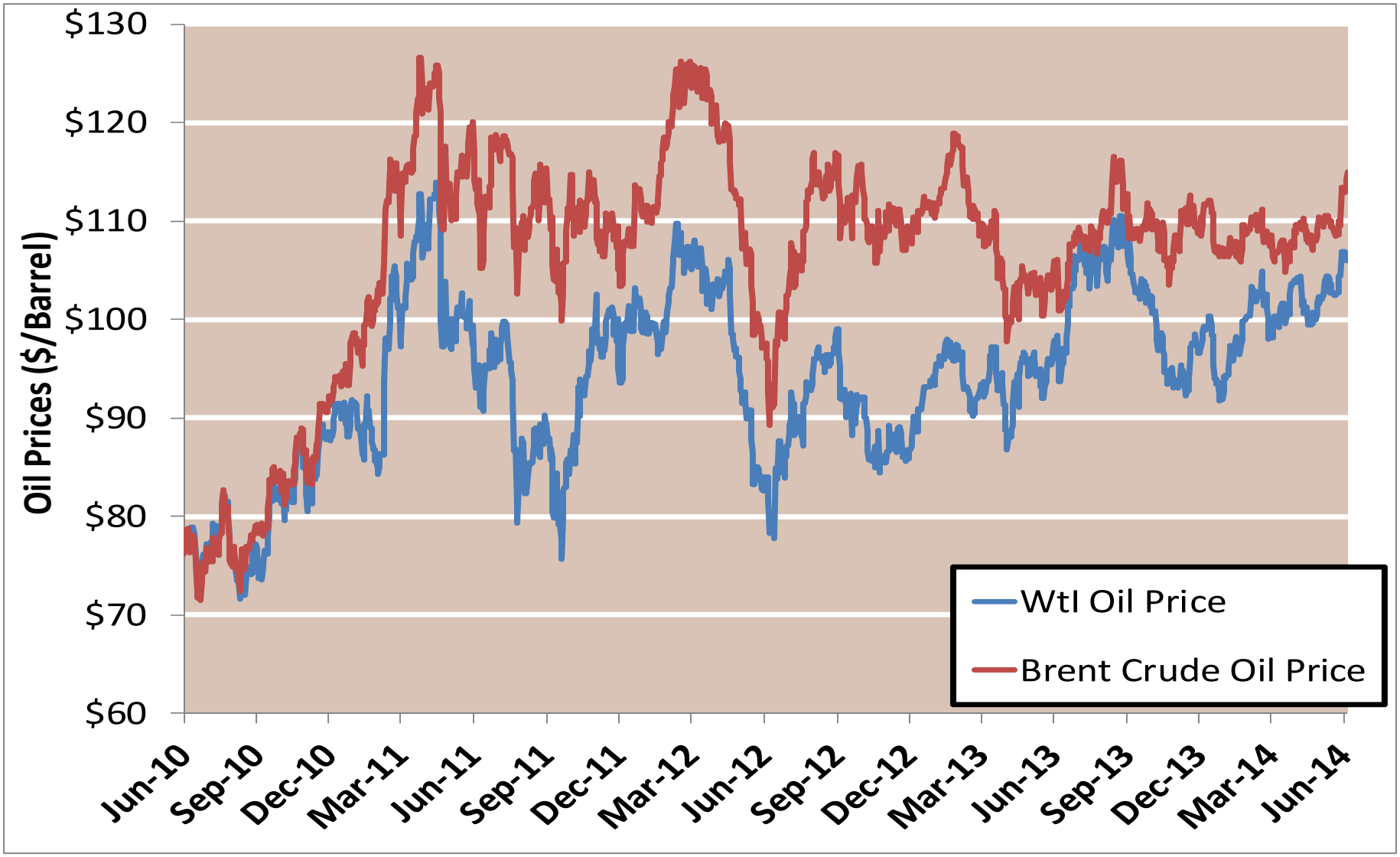
WTI vs Brent Crude Oil Price



Source: Derived from Bloomberg data

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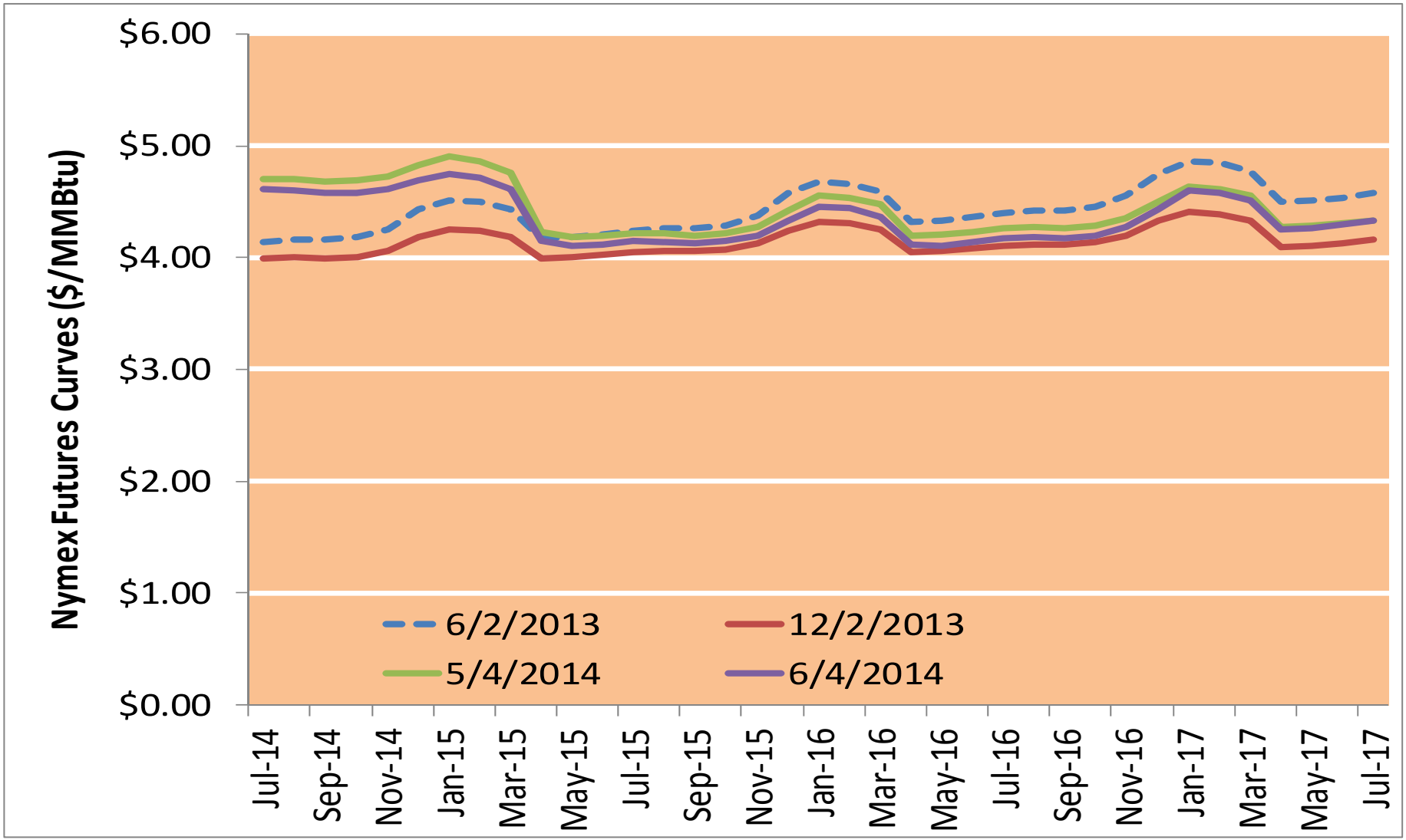
Nymex Futures Curves



Source: Derived from Bloomberg data

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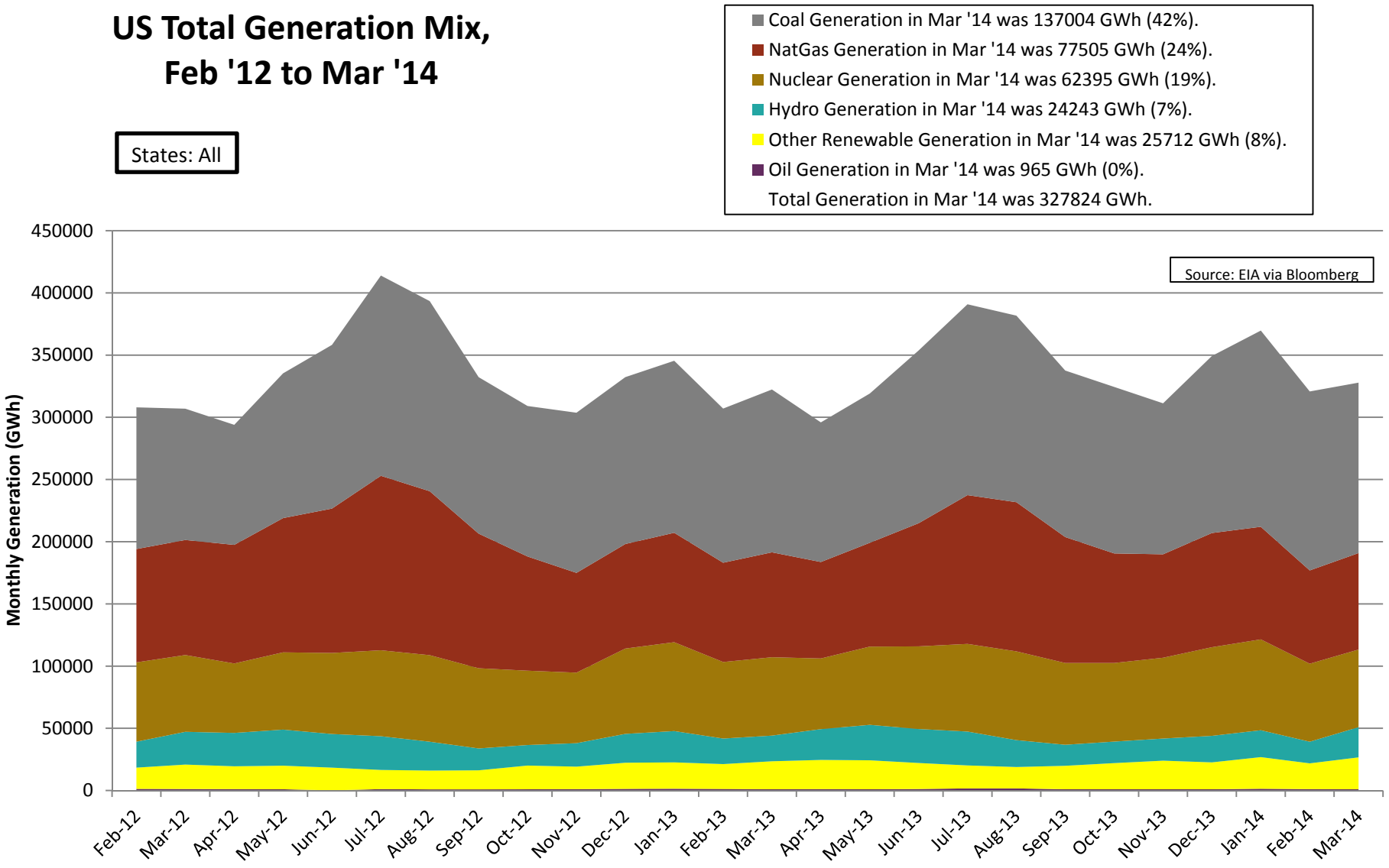
US Total Generation Mix



Updated: June 16, 2014

Natural Gas and Fuels Markets

Central

Midwest Annual Average Day-Ahead Natural Gas Prices

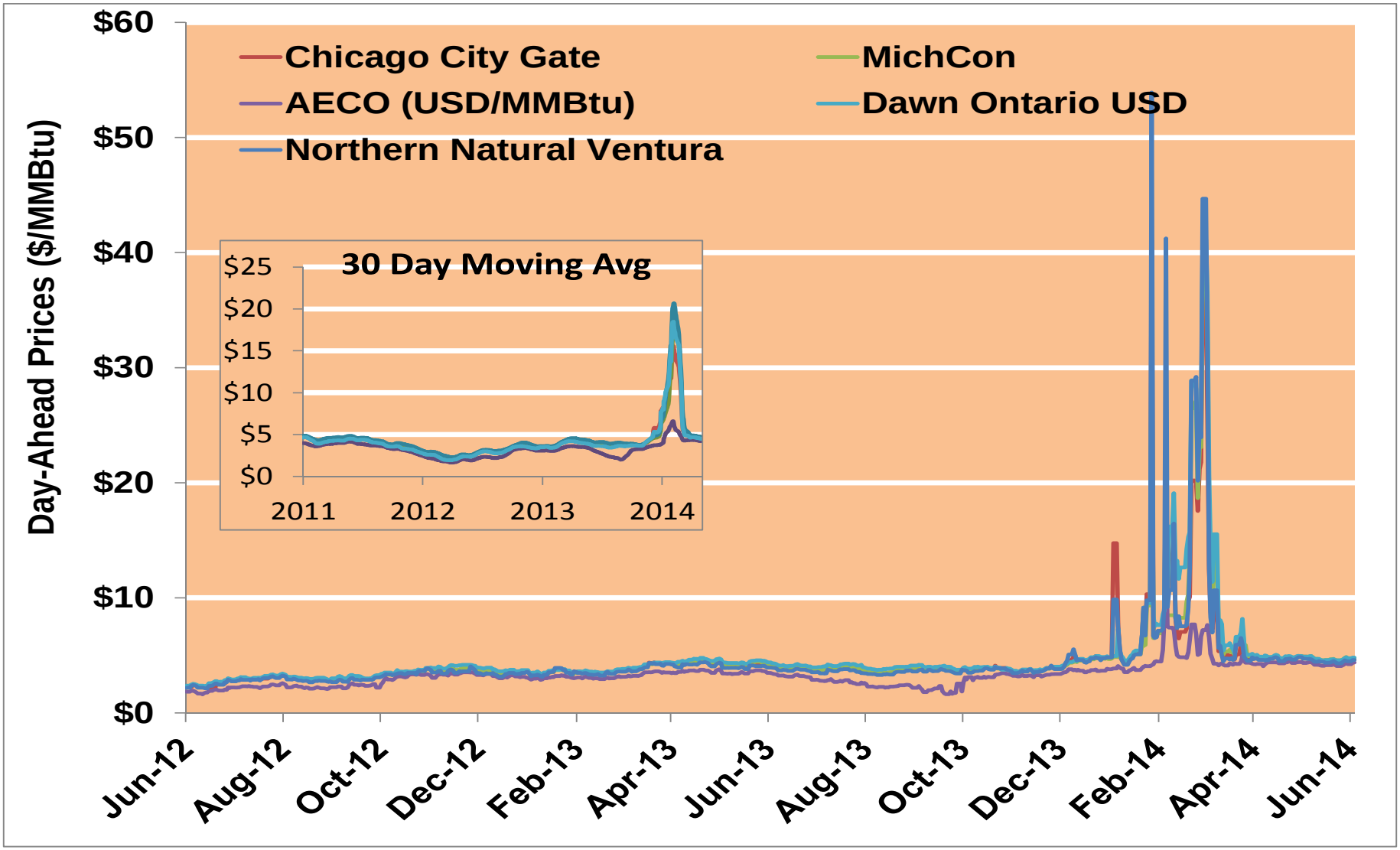
	Average Day Ahead Prices ($/MMBtu)	Chicago City Gate	MichCon	AECO C Hub Natural Gas/USD	Dawn Ontario USD	NNG/NBP Ventura	Henry Hub
2011	Annual	4.12	4.20	3.66	4.37	4.03	**3.98**
	Summer	4.24	4.33	3.78	4.44	4.13	**4.14**
	Winter 2011/2012	2.87	2.94	2.49	3.21	2.78	**2.74**
2012	Annual	2.85	2.90	2.39	3.07	2.77	**2.75**
	Summer	2.76	2.80	2.24	2.93	2.70	**2.69**
	Winter 2012/2013	3.63	3.67	3.22	3.84	3.57	**3.47**
2013	Annual	3.86	3.92	3.09	4.08	3.80	**3.70**
	Summer	3.85	3.97	2.94	4.15	3.77	**3.75**
	Winter 2013/2014	7.59	7.65	4.36	8.68	8.19	**4.61**
2014 YTD	Annual	7.72	7.85	4.68	8.83	8.29	**4.88**
	Summer	4.64	4.77	4.28	4.80	4.58	**4.52**
	Winter 2014/2015						

Notes:

Source: Derived from ICE data

Updated 6/3/2014

Midwest Day-Ahead Prices

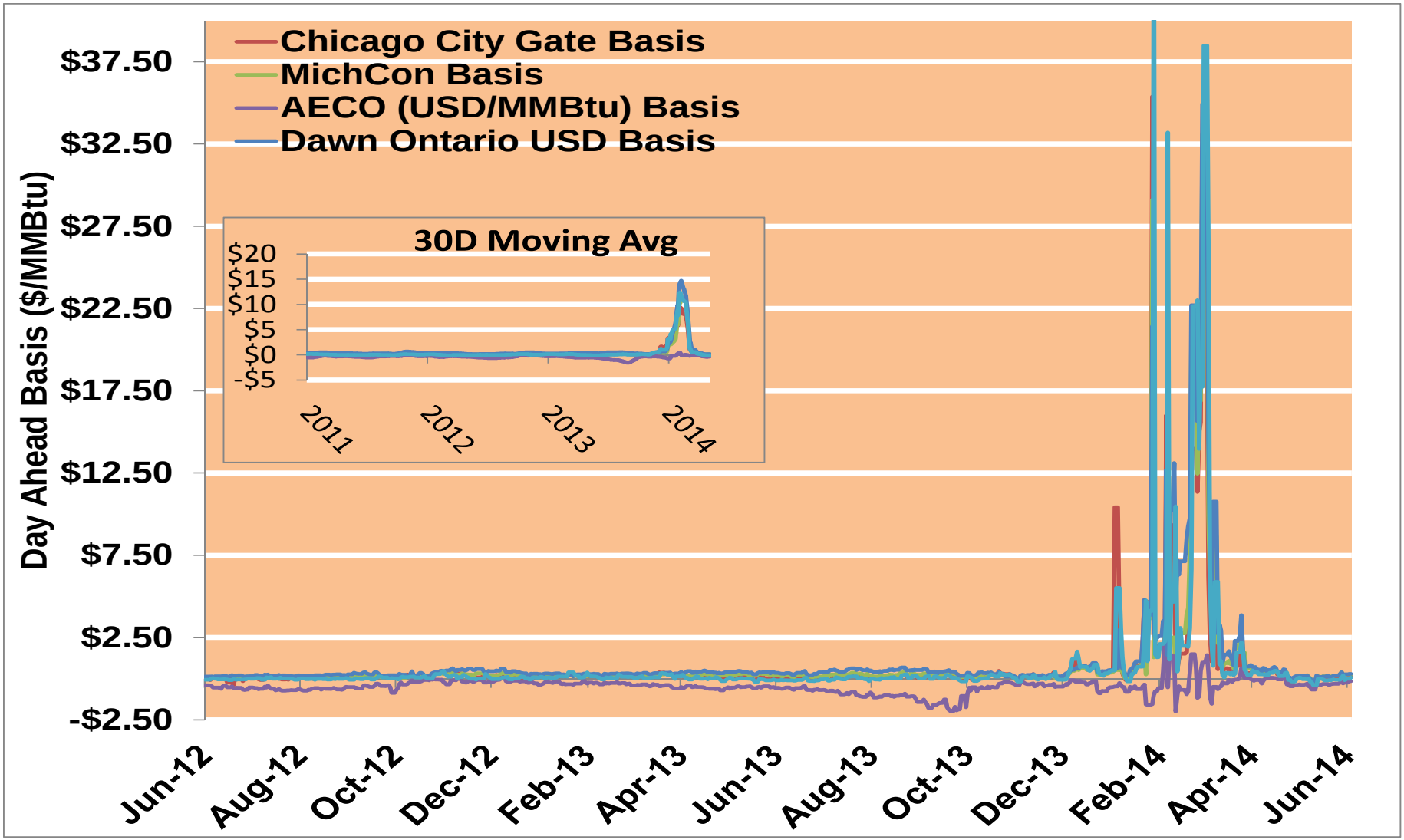


Notes:

Source: Derived from ICE data

Updated 6/3/2014

Midwest Day-Ahead Basis

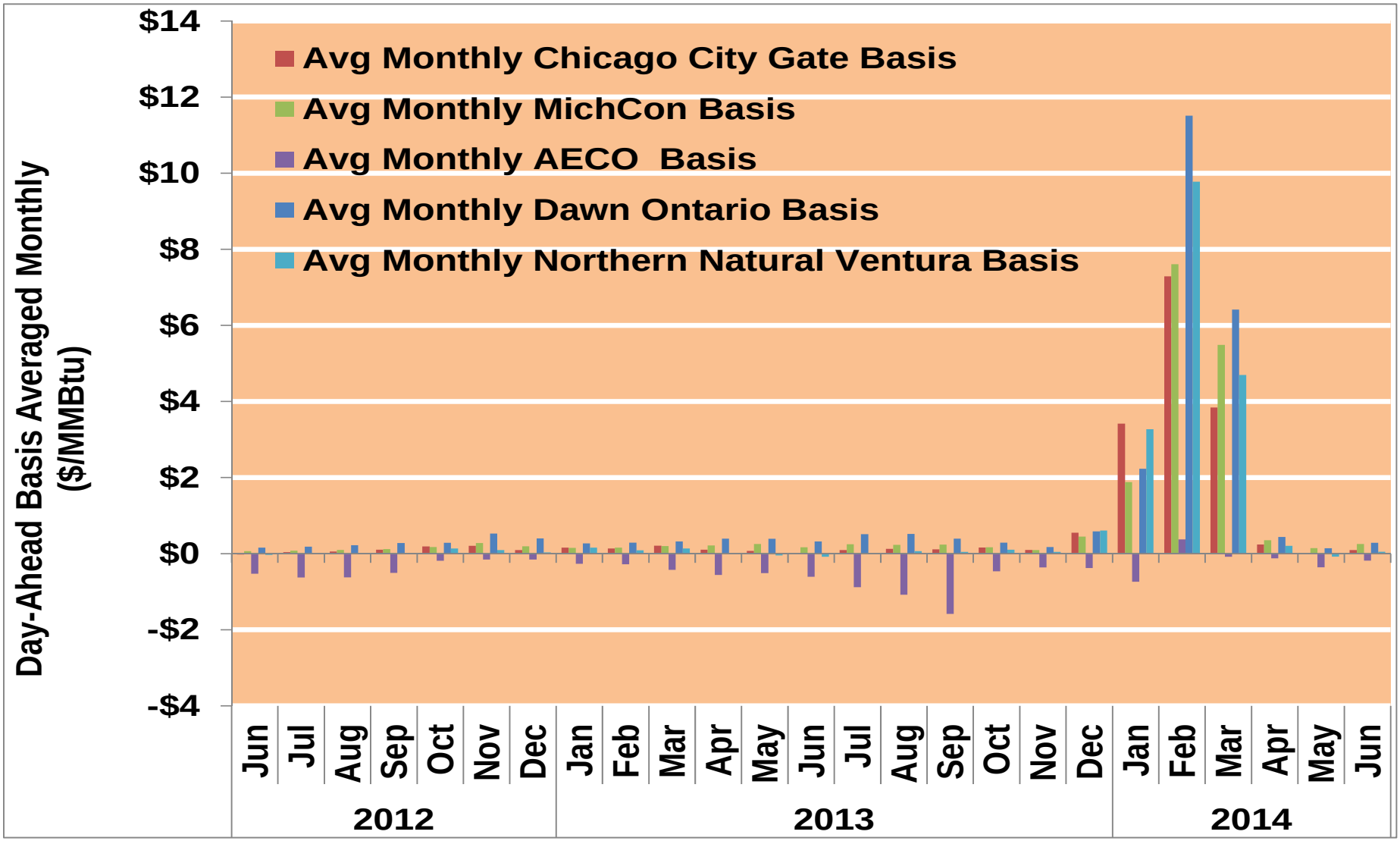


Notes:

Source: Derived from ICE data

Updated 6/3/2014

Midwest Monthly Average Basis Value To Henry Hub

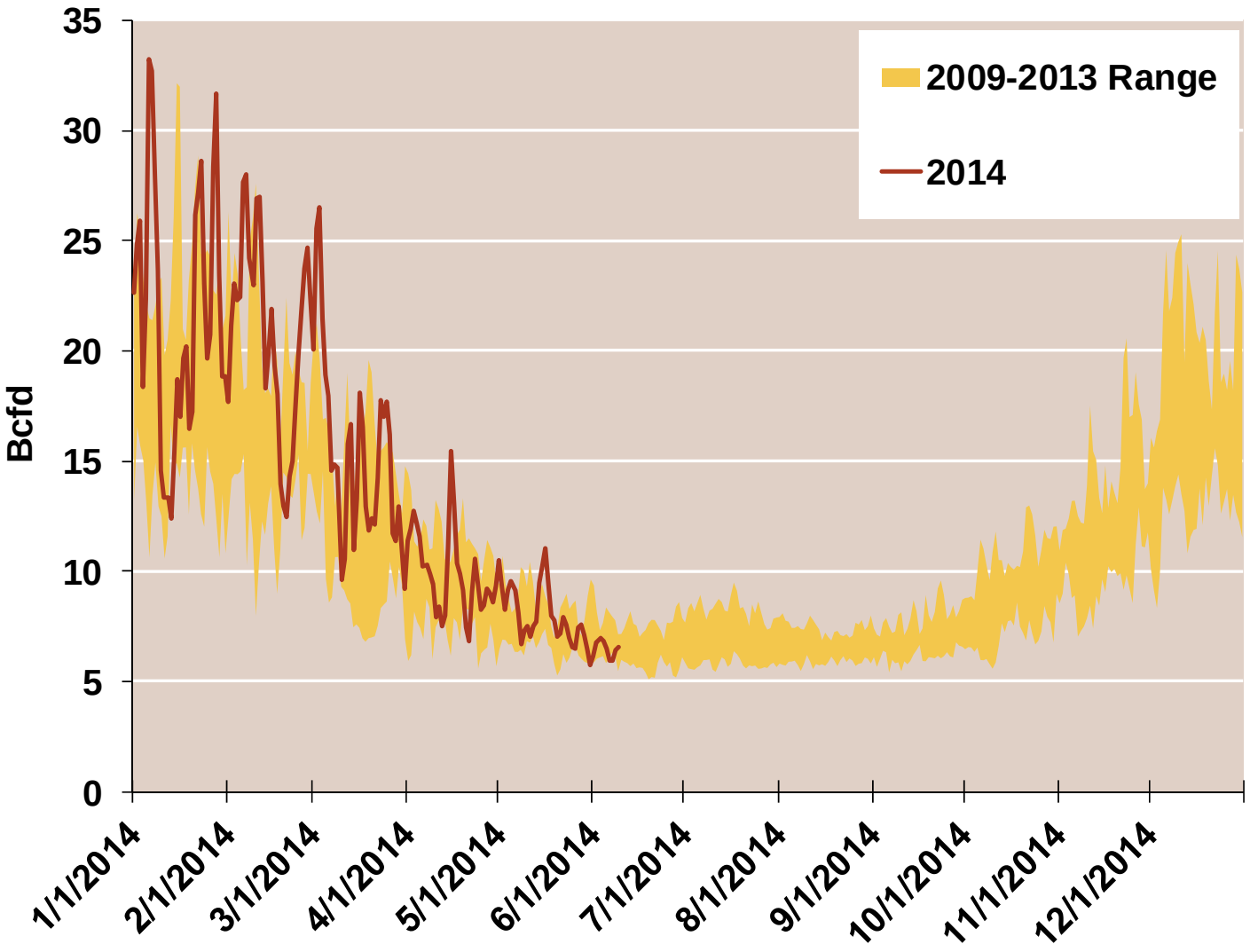


Notes:

Source: Derived from ICE data

Updated 6/3/2014

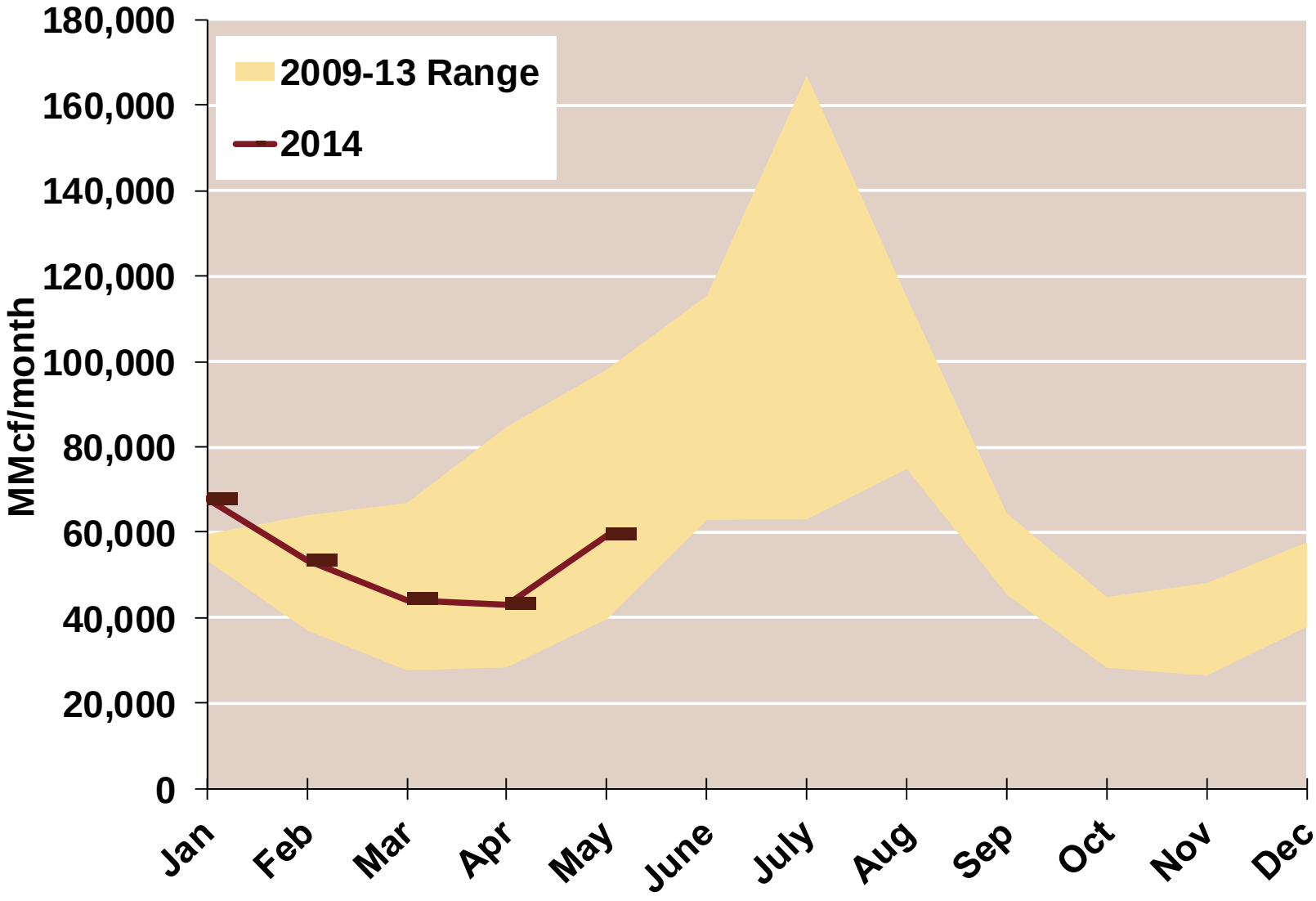
Daily Midwest Natural Gas Demand All Sectors



Source: Derived from *Bentek Energy* data

Updated: May 2014

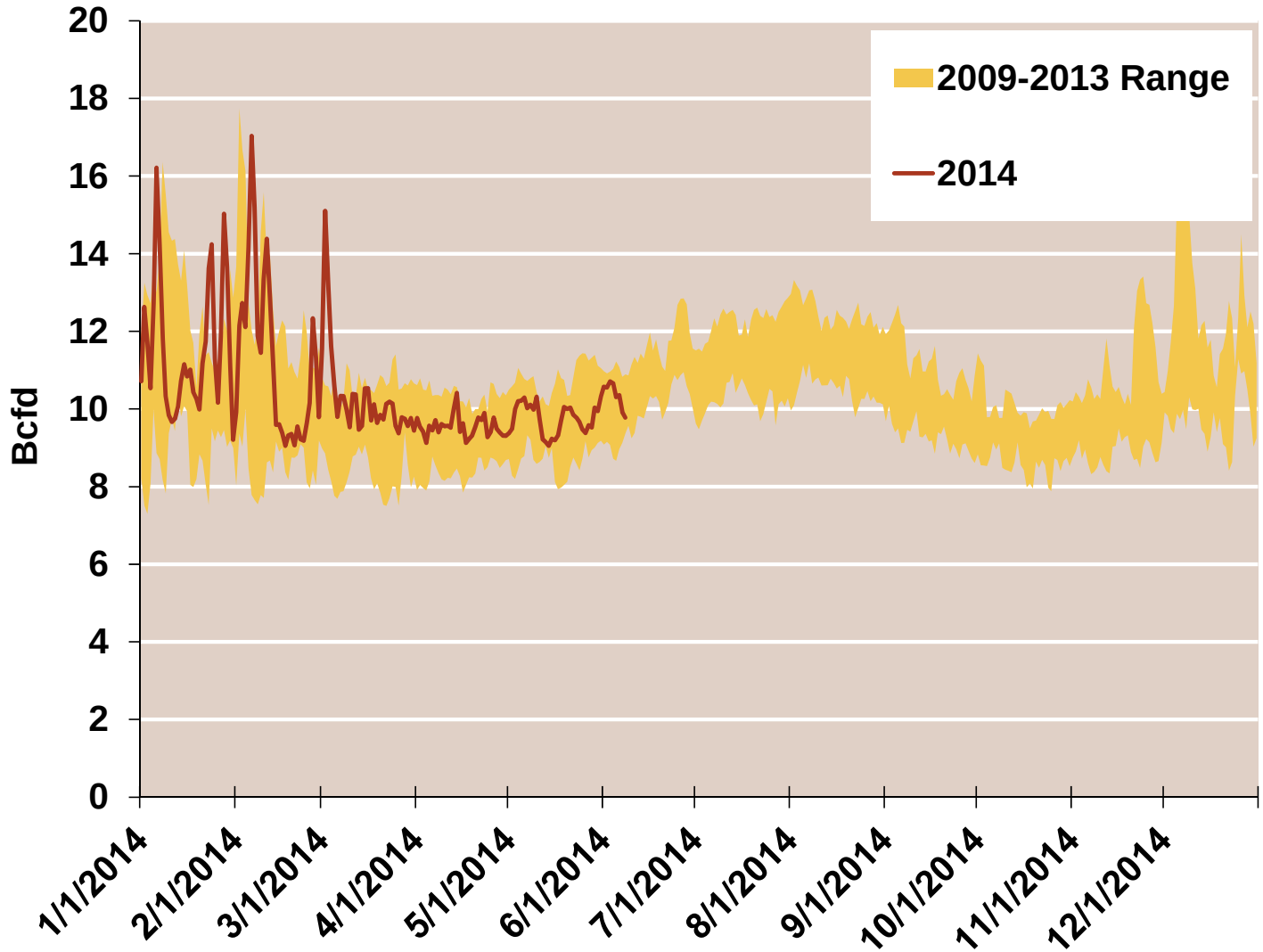
Midwest Natural Gas Consumption for Power Generation



Source: Derived from *Bentek Energy* data

Updated: May 2014

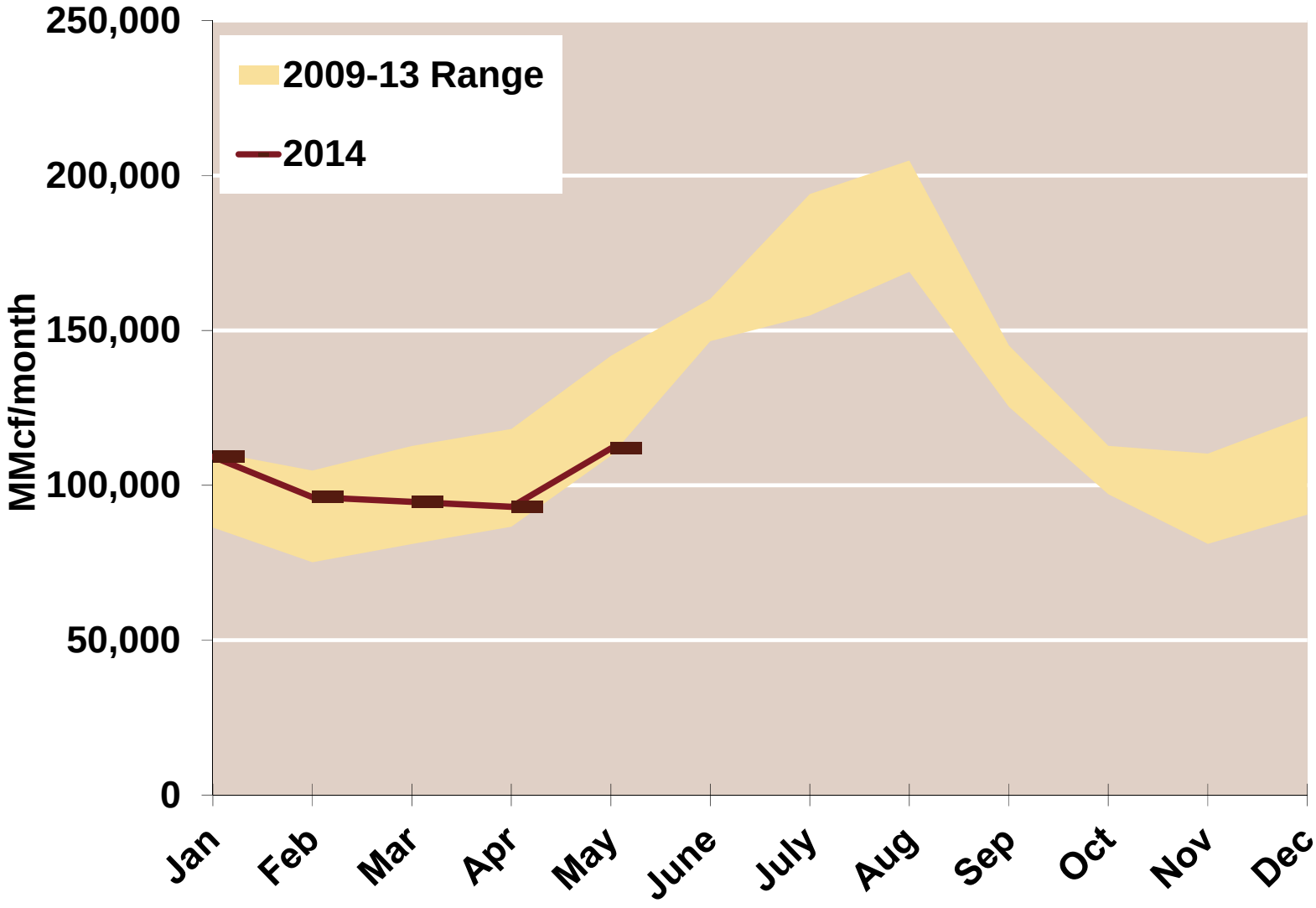
Daily Texas Natural Gas Demand All Sectors



Source: Derived from *Bentek Energy* data

Updated: May 2014

Texas Natural Gas Consumption for Power Generation



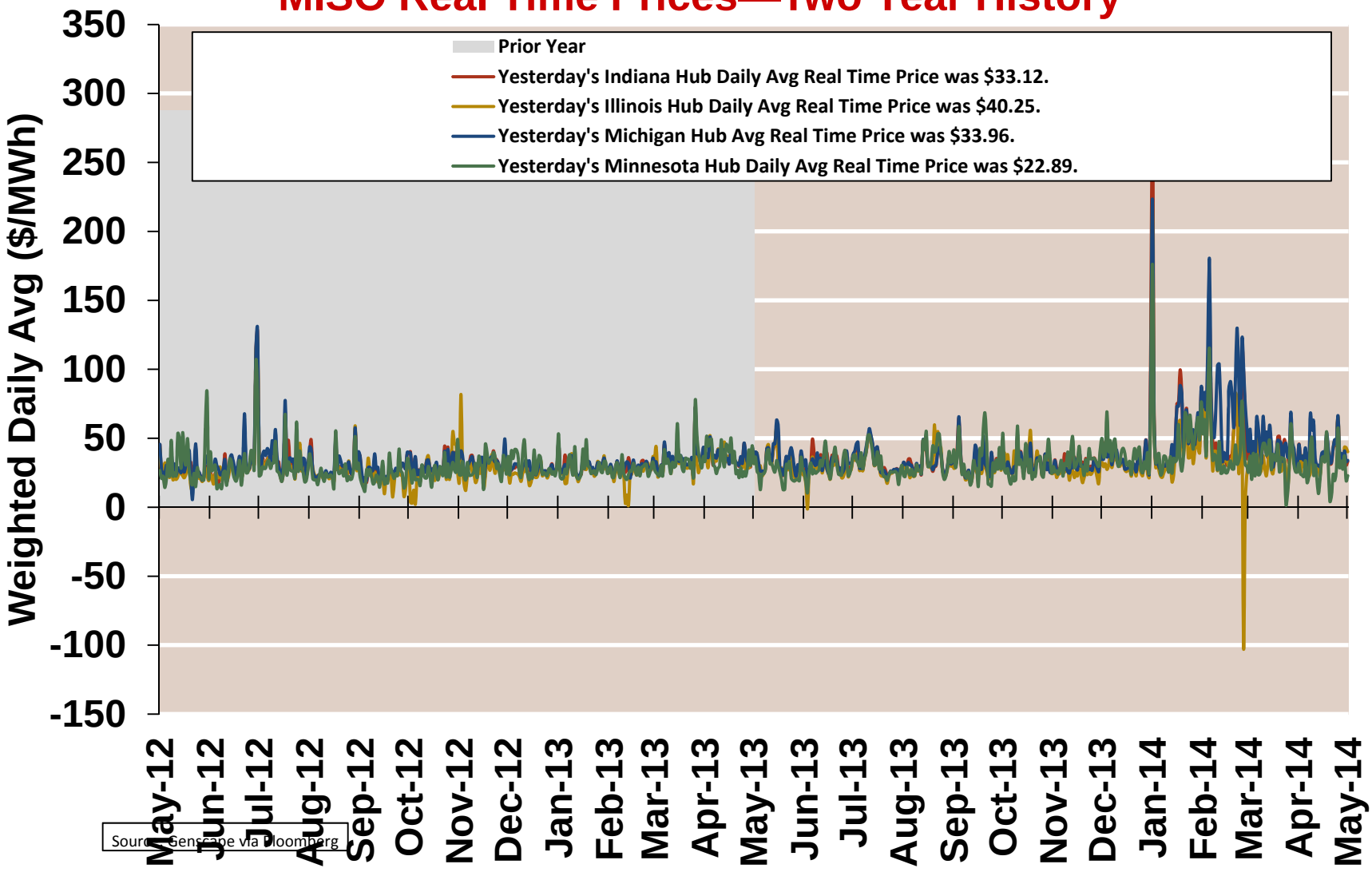
Source: Derived from *Bentek Energy* data

Updated: May 2014

Electricity Markets

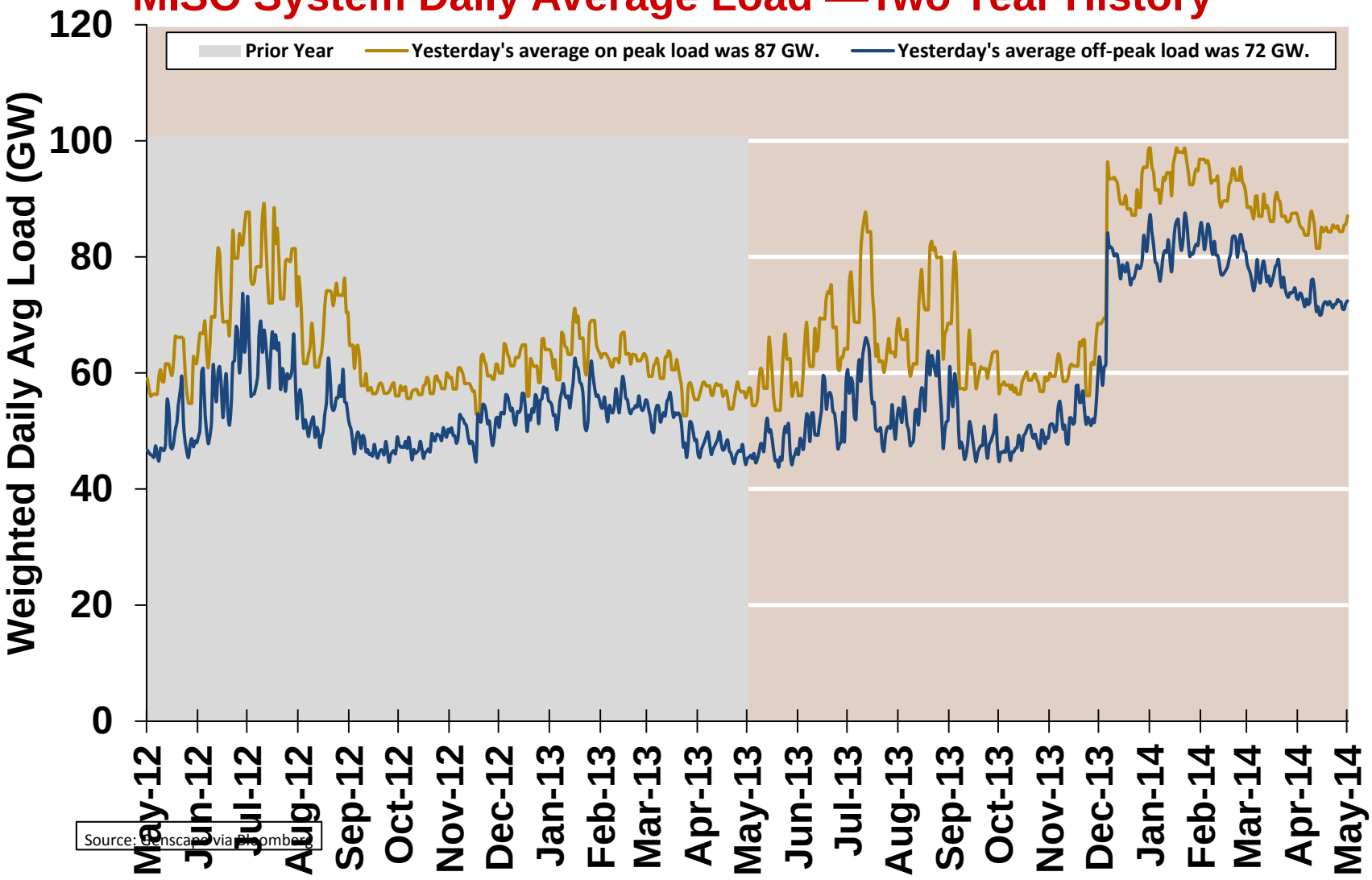
Central

MISO Real Time Prices—Two Year History

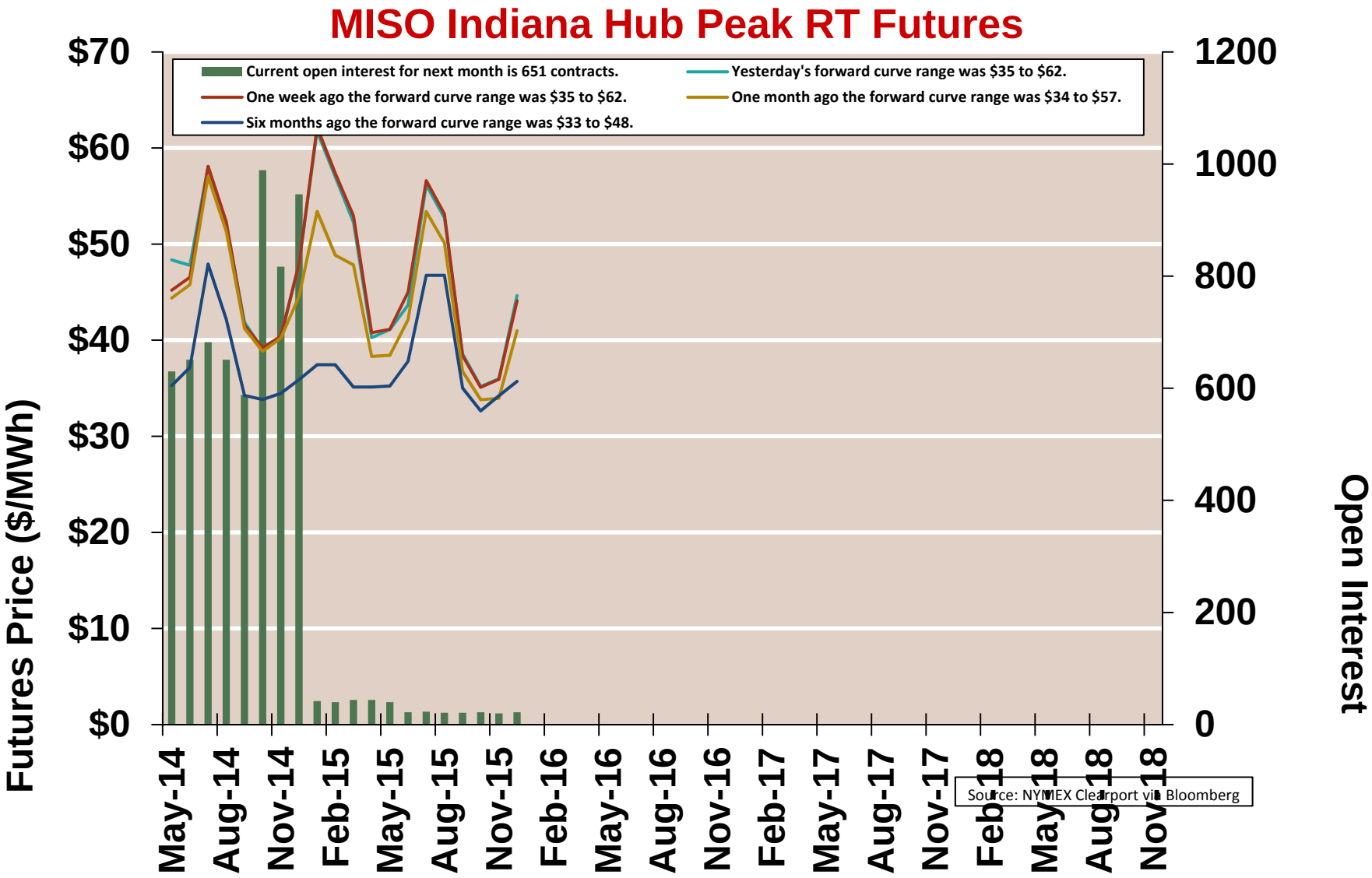


Updated: June 16, 2014

MISO System Daily Average Load —Two Year History

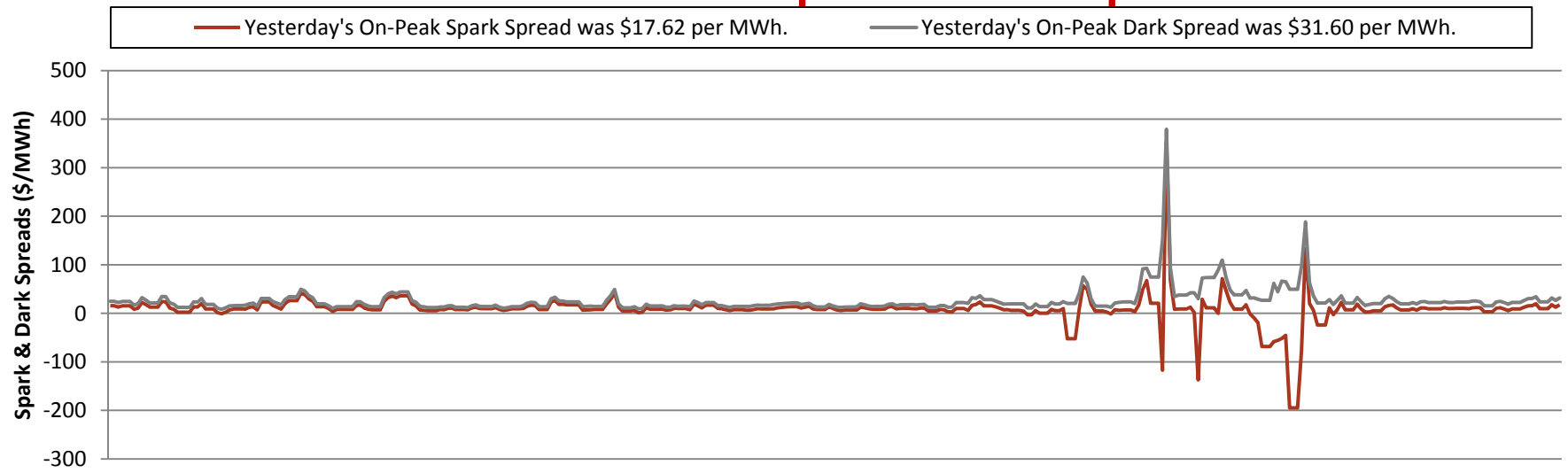


Updated: June 16, 2014

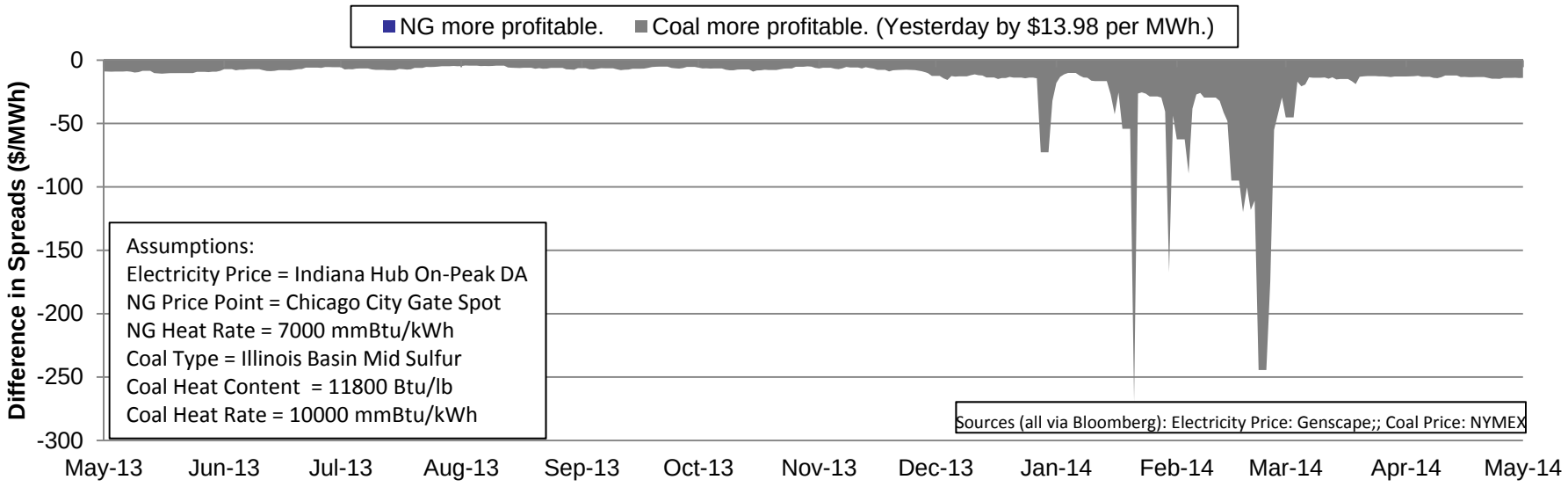


Updated: June 16, 2014

MISO East On-Peak Spark & Dark Spreads

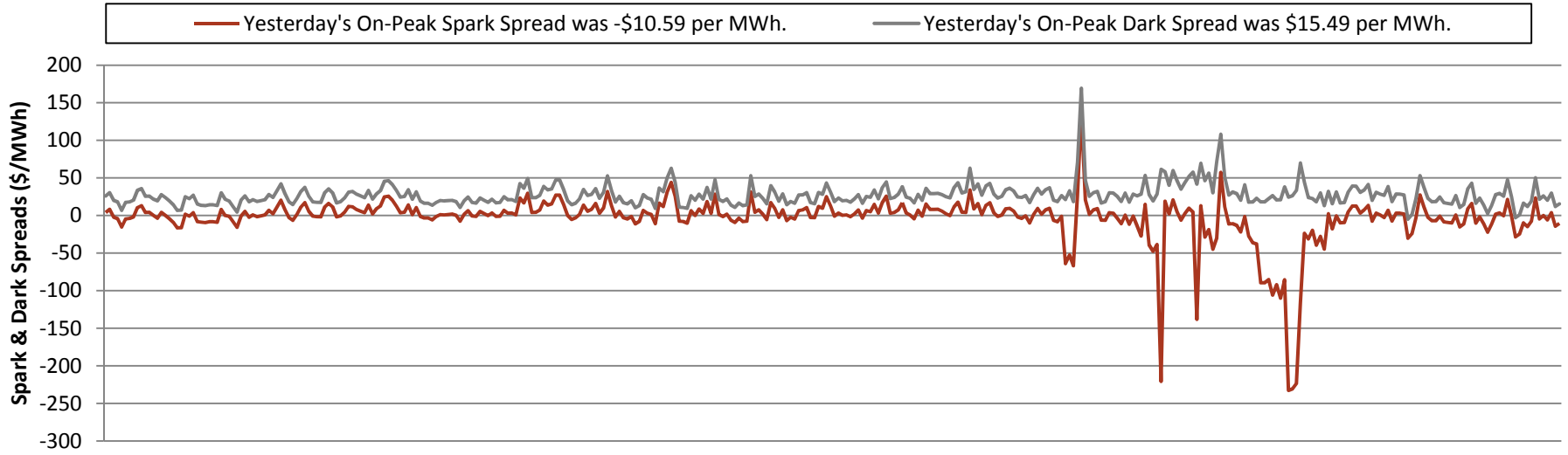


Spark Spread minus Dark Spread, 5/7/13 to 5/7/14

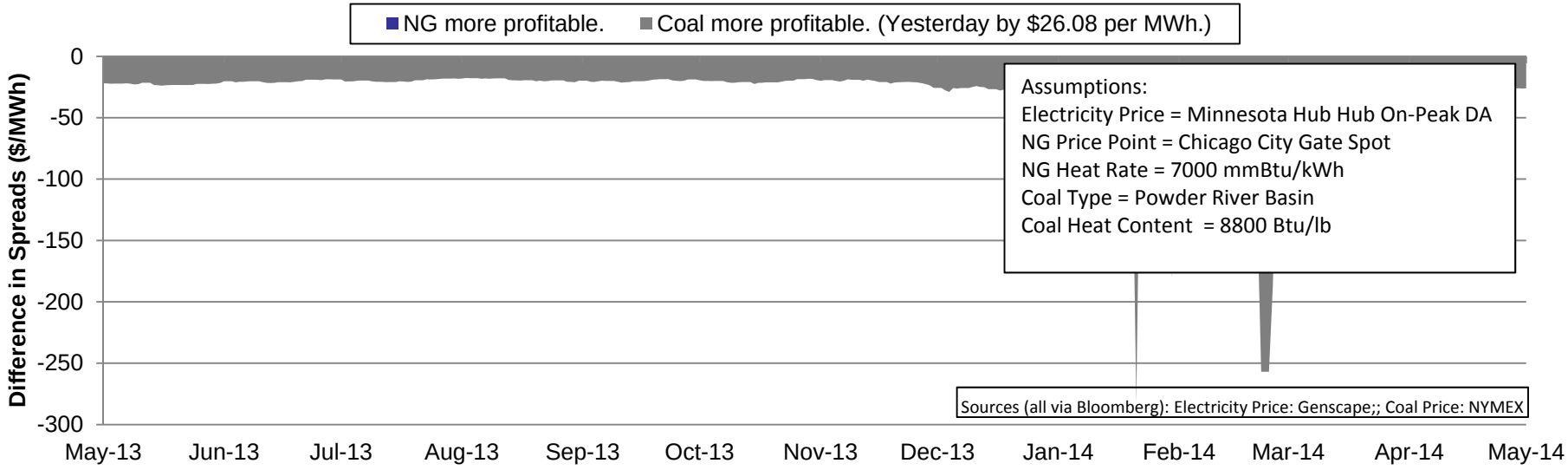


Updated: June 16, 2014

MISO West On-Peak Spark & Dark Spreads



Spark Spread minus Dark Spread, 5/7/13 to 5/7/14

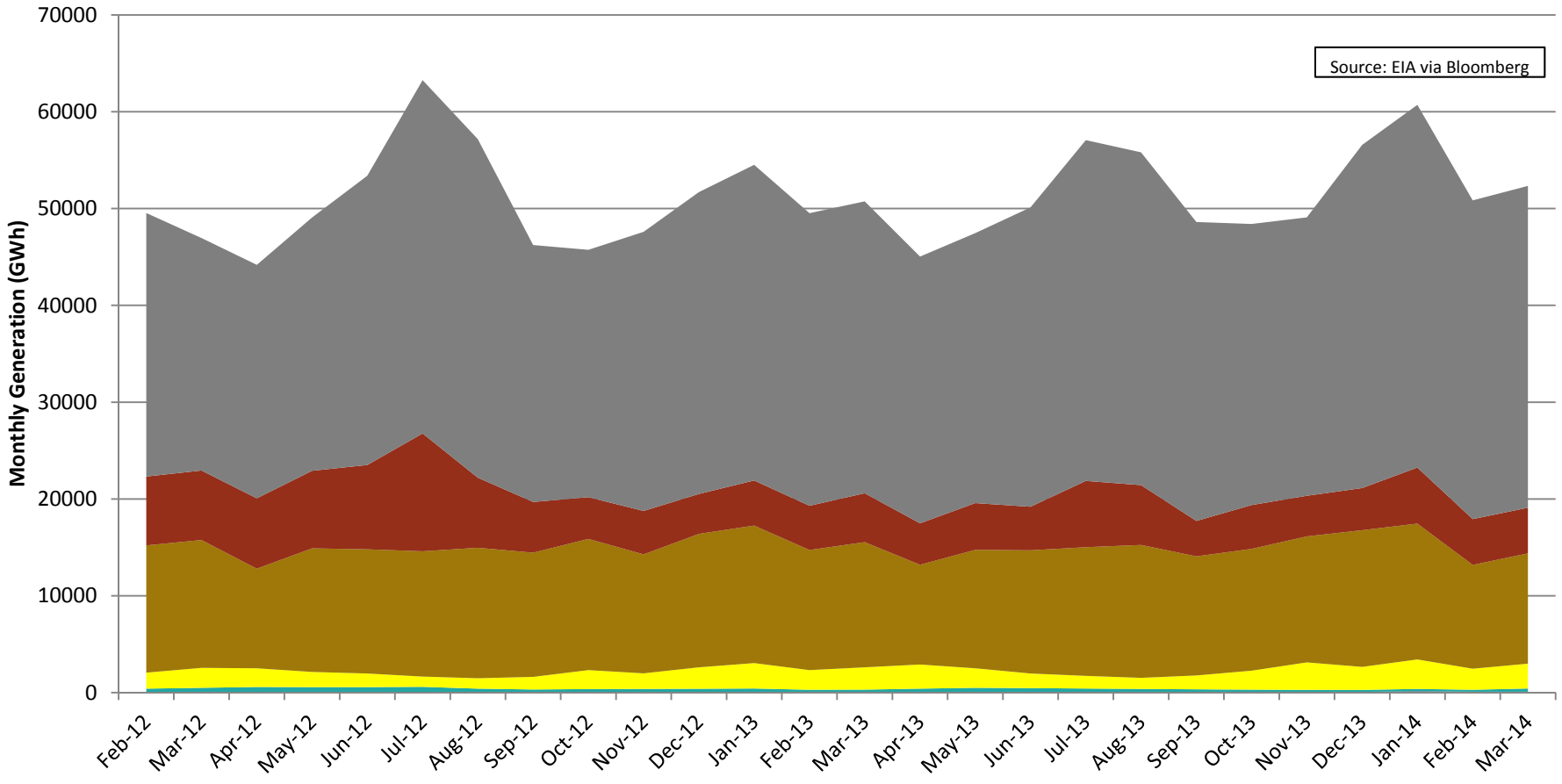


Updated: June 16, 2014

East North Central Regional Generation Mix, Feb '12 to Mar '14

States: IL, IN, MI, OH, WI

Coal Generation in Mar '14 was 33234 GWh (64%).
Gas Generation in Mar '14 was 4726 GWh (9%).
Nuclear Generation in Mar '14 was 11385 GWh (22%).
Othr Renew Generation in Mar '14 was 2574 GWh (5%).
Hydro Generation in Mar '14 was 340 GWh (1%).
Oil Generation in Mar '14 was 76 GWh (0%).
Total Generation in Mar '14 was 52335 GWh.

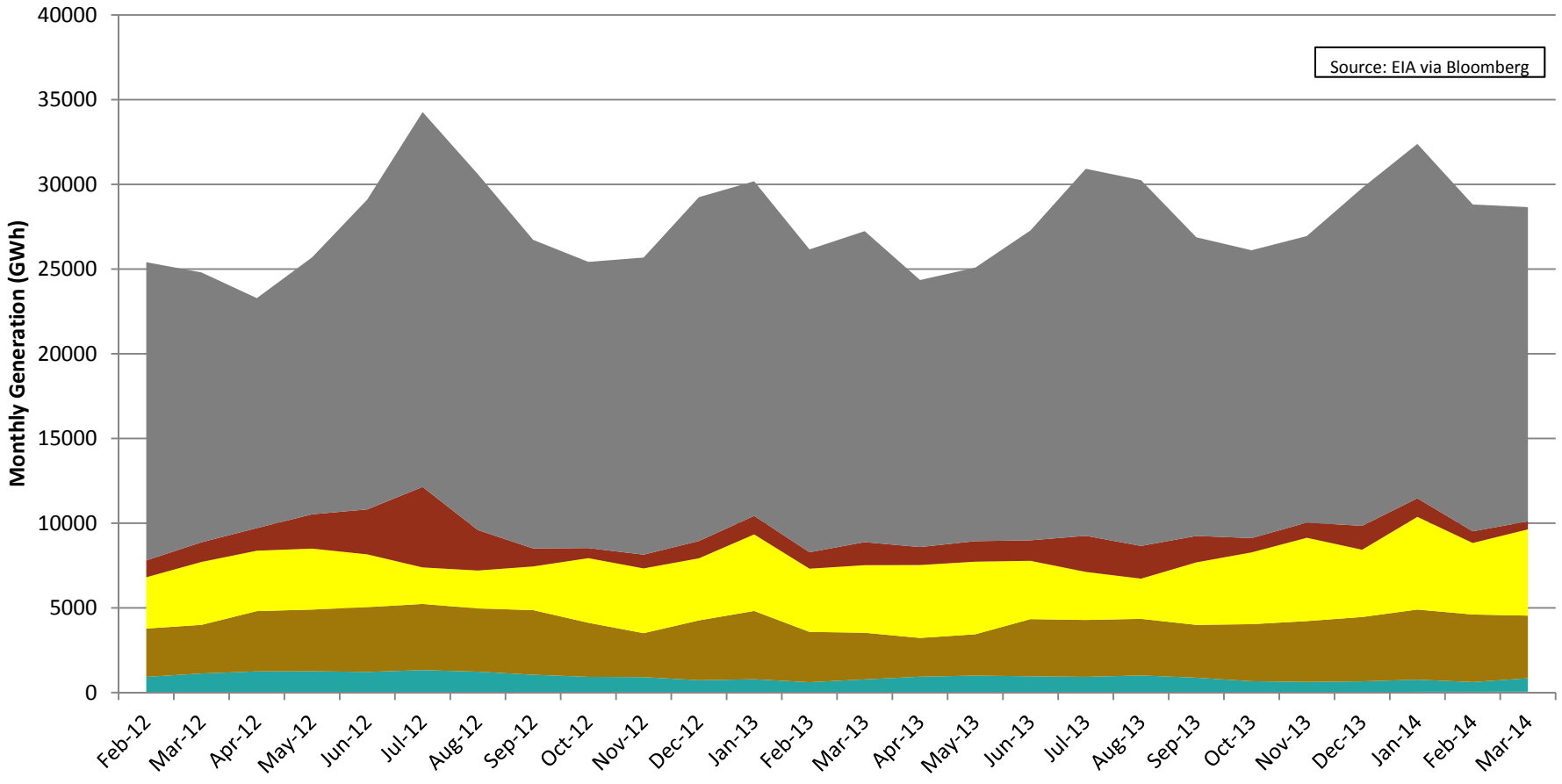


Updated: June 16, 2014

West North Central Regional Generation Mix, Feb '12 to Mar '14

States: IA, KS, MN, MO, ND, NE, SD

Coal Generation in Mar '14 was 18554 GWh (65%).
Gas Generation in Mar '14 was 471 GWh (2%).
Othr Renew Generation in Mar '14 was 5097 GWh (18%).
Nuclear Generation in Mar '14 was 3695 GWh (13%).
Hydro Generation in Mar '14 was 788 GWh (3%).
Oil Generation in Mar '14 was 55 GWh (0%).
Total Generation in Mar '14 was 28660 GWh.



Updated: June 16, 2014