

National Mining Association

Weekly Statistical Summary

June 9, 2017 Edition
(Data for Week Ending June 3, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 22
Dated 06/09/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	06/03/17	05/28/16	% Chng	06/03/17	06/03/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,974	12,105	23.7%	329,291	279,782	17.7%
52 Weeks Ended	788,621	781,725	0.9%			
AAR Coal Rail Cars Loaded:	82,523	65,832	25.4%	1,796,295	1,518,411	18.3%
Coal Production Month Ended - May	May 17/16 63,066	% Chng 53,012	19.0%	Jan - May 17/16 322,852	% Chng 274,154	17.8%
DOC Coal Trade (000 Tons)						
Exports:	April 17/16		% Chng	Jan - Apr 17/16		% Chng
Metallurgical	4,611	3,363	37.1%	16,782	13,516	24.2%
Steam *	2,590	1,205	114.9%	12,643	4,975	154.1%
Lignite	5	7	-28.6%	25	23	8.7%
Anthracite	33	12	175.0%	110	238	-53.8%
Total	7,239	4,587	57.8%	29,560	18,752	57.6%
Imports:	493	740	-33.4%	2,408	3,438	-30.0%
	Week Ended			Cumulative Week 1 to		
	06/03/17	06/03/16	% Chng	06/03/17	06/03/16	% Chng
EI Electric Total Output (Mil. Kwh)	74,591	78,248	-4.7%	1,598,208	1,599,044	-0.1%
EI Coal Region Output (Mil. Kwh)	64,768	67,460	-4.0%	1,366,892	1,371,868	-0.4%
AISI Raw Steel Output (000 Tons)	1,749	1,742	0.4%	38,167	37,117	2.8%

EIA (SNL ENERGY) AVERAGE COAL & NATURAL GAS SPOT PRICES Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	06/02/17	05/26/17	% Chng	Wed.	05/31/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.35	\$52.55	-0.4%	Henry Hub	3.00
Northern App, 13,000 Btu, < 3.0 SO ₂	45.50	45.65	-0.3%	New York	2.58
Illinois Basin, 11,800, 5.0 SO ₂	30.95	30.95	0.0%	Chicago	2.78
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.55	11.55	0.0%	Cal.Comp.Avg.	2.89
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.35	40.35	0.0%		

Coal exports and Imports are "as reported" (not revised); *Steam excludes lignite & anthracite. All data in this report are preliminary and subject to revision.

Sources: Energy Information Administration; Edison Electric Institute; American Iron & Steel Institute; Association of American Railroads; Dept. of Commerce; SNL Energy; NGI's Daily Gas Price Index



EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	6/3/2017 (week 22)	5/27/2017 (week 21)	5/28/2016 (week 22)	6/3/2017	6/3/2016	% Change	6/3/2017	5/28/2016	% Change
Alabama	180	173	168	3,797	3,925	-3.2	9,143	10,526	-13.1
Alaska	16	18	17	476	461	3.1	962	1,125	-14.5
Arizona	111	110	93	2,402	2,156	11.4	5,753	5,828	-1.3
Arkansas	1	1	1	19	21	-10.4	29	72	-59.7
Colorado	230	233	232	4,688	4,532	3.5	12,996	14,503	-10.4
Illinois	976	937	845	20,635	18,775	9.9	46,379	48,319	-4.0
Indiana	612	624	525	13,646	11,855	15.1	31,030	30,413	2.0
Kansas	2	2	.	54	27	100.6	54	139	-61.2
Kentucky Total	781	804	747	18,265	17,935	1.8	43,775	51,098	-14.3
Eastern (KY)	274	287	300	6,662	7,225	-7.8	16,588	22,196	-25.3
Western (KY)	507	516	447	11,603	10,709	8.3	27,187	28,902	-5.9
Louisiana	54	56	52	1,244	1,119	11.2	2,970	3,287	-9.6
Maryland	32	30	22	651	555	17.4	1,691	1,567	7.9
Mississippi	61	60	44	1,331	1,157	15.0	3,083	2,927	5.3
Missouri	7	7	5	125	87	44.2	277	153	81.0
Montana	637	602	468	13,205	11,559	14.2	34,403	35,457	-3.0
New Mexico	204	210	186	5,557	5,931	-6.3	13,134	17,991	-27.0
North Dakota	658	646	487	14,526	11,507	26.2	31,578	27,834	13.5
Ohio	245	261	245	6,229	6,057	2.8	12,972	15,205	-14.7
Oklahoma	13	13	12	307	277	10.8	674	702	-4.0
Pennsylvania Total	1,024	1,040	848	21,909	17,807	23.0	50,738	46,168	9.9
Anthracite (PA)	33	32	31	758	704	7.6	1,714	1,987	-13.7
Bituminous (PA)	991	1,008	817	21,151	17,102	23.7	49,024	44,182	11.0
Tennessee	12	12	11	323	329	-1.8	671	854	-21.4
Texas	939	942	665	21,457	15,781	36.0	45,487	38,005	19.7
Utah	307	320	263	7,091	5,681	24.8	15,393	13,831	11.3
Virginia	301	308	248	6,721	5,383	24.9	14,798	13,191	12.2
West Virginia Total	1,774	1,740	1,419	37,836	31,778	19.1	87,387	82,888	5.4
Northern (WV)	996	987	751	21,668	16,909	28.1	48,937	43,197	13.3
Southern (WV)	778	753	668	16,168	14,868	8.7	38,450	39,692	-3.1
Wyoming	5,800	5,819	4,499	126,797	105,087	20.7	323,247	319,641	1.1
Appalachian Total	3,842	3,852	3,261	84,128	73,058	15.2	193,987	192,595	0.7
Interior Total	3,170	3,158	2,598	70,421	59,809	17.7	157,168	152,919	2.8
Western Total	7,963	7,959	6,246	174,742	146,914	18.9	437,465	436,211	0.3
East of Mississippi River	5,997	5,990	5,123	131,342	115,555	13.7	301,665	303,156	-0.5
West of Mississippi River	8,978	8,980	6,982	197,949	164,227	20.5	486,956	478,569	1.8
Bituminous and Lignite	14,941	14,938	12,074	328,534	279,077	17.7	786,907	779,738	0.9
Anthracite	33	32	31	758	704	7.6	1,714	1,987	-13.7
U.S. Total	14,974	14,969	12,105	329,291	279,782	17.7	788,621	781,725	0.9
Railroad Cars Loaded	82,523	82,481	65,832	1,796,295	1,518,411	18.3	4,451,355	4,406,457	1.0

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 22

OUTPUT FOR WEEK ENDED - Jun 03, 2017

Jun 07, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Jun 03, 2017 was 74,591 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 174 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended June 03		52 Weeks Ended June 03	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,000	-14.5	123,220	-0.2
Mid-Atlantic	7,191	-18.7	433,318	0.8
Central Industrial	11,477	-12.1	670,523	1.5
West Central	5,962	-4.0	329,625	1.1
Southeast	20,450	-1.3	1,026,360	2.0
South Central	14,403	7.7	724,507	3.3
Rocky Mountain	5,285	0.7	277,970	0.1
Pacific Northwest	2,648	-0.2	157,938	3.1
Pacific Southwest	5,175	-10.7	282,097	-1.1
Total United States	74,591	-4.7	4,025,557	1.6

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
May 13	69,261	May 14	70,324	-1.5	May 13	4,024,741	1.6
May 20	76,445	May 21	68,783	11.1	May 20	4,032,404	1.8
May 27	72,572	May 28	75,762	-4.2	May 27	4,029,214	1.8
Jun 03	74,591	Jun 04	78,248	-4.7	Jun 03	4,025,557	1.6
Jun 03	1,598,208	Jun 04	1,599,044	-0.1	YEAR TO DATE, FIRST 22 WEEKS		

WEEKLY ELECTRIC OUTPUT INDEX--TOTAL U.S.*
SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
May 13	169	May 14	174	May 16	169
May 20	187	May 21	161	May 23	165
May 27	176	May 28	170	May 30	182
Jun 03	174	Jun 04	171	Jun 06	179

* Excludes Alaska and Hawaii.

+ Includes investor-owned companies, cooperatives and government-owned utilities.

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**EEl WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)**

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	3-Jun 2017 GWh Output	4-Jun 2016 GWh Output	% Increase Over Corresponding Week of 2016	3-Jun 2017 GWh Output	4-Jun 2016 GWh Output	% Increase Over Corresponding Week of 2016	3-Jun 2017 GWh Output	4-Jun 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,000	2,338	-14.5%	49,359	50,110	-1.5%	123,220	123,413	-0.2%
Mid-Atlantic	7,191	8,846	-18.7%	170,502	173,268	-1.6%	433,318	429,899	0.8%
Central Industrial	11,477	13,058	-12.1%	270,951	277,264	-2.3%	670,523	660,530	1.5%
West Central	5,962	6,210	-4.0%	130,402	131,533	-0.9%	329,625	326,028	1.1%
Southeast	20,450	20,722	-1.3%	407,339	412,940	-1.4%	1,026,360	1,006,301	2.0%
South Central	14,403	13,375	7.7%	279,882	271,709	3.0%	724,507	701,089	3.3%
Rocky Mountain	5,285	5,249	0.7%	107,816	105,154	2.5%	277,970	277,662	0.1%
Pacific Northwest	2,648	2,652	-0.2%	72,000	66,286	8.6%	157,938	153,173	3.1%
Pacific Southwest	5,175	5,798	-10.7%	109,957	110,780	-0.7%	282,097	285,230	-1.1%
Total United States ^{1/}	<u>74,591</u>	<u>78,248</u>	-4.7%	<u>1,598,208</u>	<u>1,599,044</u>	-0.1%	4,025,558	3,963,325	1.6%
Coal Regions Only ^{2/}	64,768	67,460	-4.0%	1,366,892	1,371,868	-0.4%	3,462,303	3,401,509	1.8%

Notes: EEI output data are an estimate of electricity load made available for distribution derived as weekly net generation + purchases from non-utilities + net imports - exports - sales for resale. It is not meant to be a measure of electricity generation for the U.S. EEI survey data represent the majority of national distribution (large utilities, large government power projects, some independent and large municipal power projects). The remaining segment of the industry (smaller producers) is estimated. Non-utility generation is captured via direct sales to utilities.

^{1/} Excludes Alaska and Hawaii

^{2/} Excludes New England and Pacific regions

SOURCE: Edison Electric Institute (EEI), *Weekly Electric Output Report*.

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June 5, 2017

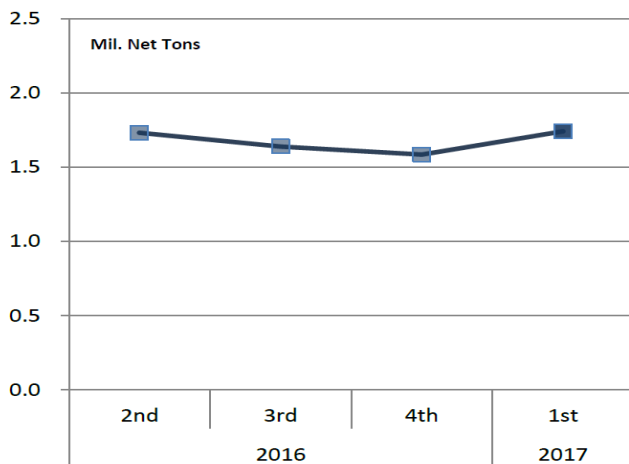
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
				<u>Jun 3</u>	<u>May 27</u>	
<u>Week Ending</u>				North East	215	214
				Great Lakes	621	651
June 3, 2017	1,749	-0.2	75.0	Midwest	171	166
June 3, 2016	1,742	0.4	74.5	Southern	665	644
May 27, 2017	1,753	0.7	75.2	Western	<u>77</u>	<u>78</u>
				Total	1,749	1,753
<u>Year-to-Date +</u>						
June 3, 2017	38,167	2.8	74.4			
June 3, 2016	37,117	-	72.1			

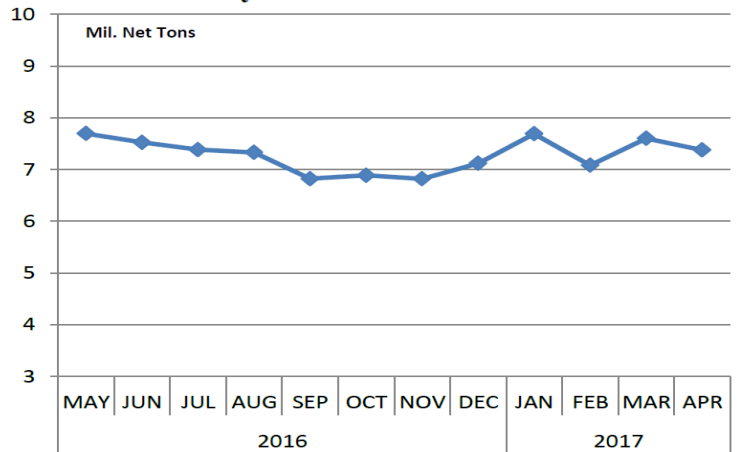
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides a more accurate summary of steel production based on data supplied by companies representing approximately 75% of U.S. production capacity plus includes revisions for previous months.

NOTE: Capacity for the second quarter 2017 is approximately 30.3 million net tons vs. 30.4 million net tons for the same period last year, and 30.0 million tons for the first quarter of 2017.

Average Weekly Raw Steel Production



Monthly Raw Steel Production



*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. ** Based on tonnage capability to produce raw steel for a sustained full order book.



Source: Kitco website - www.kitco.com/connecting.html

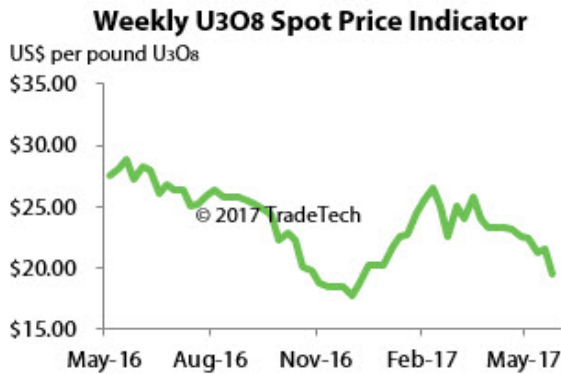


Source: Kitco website - www.kitco.com/connecting.html



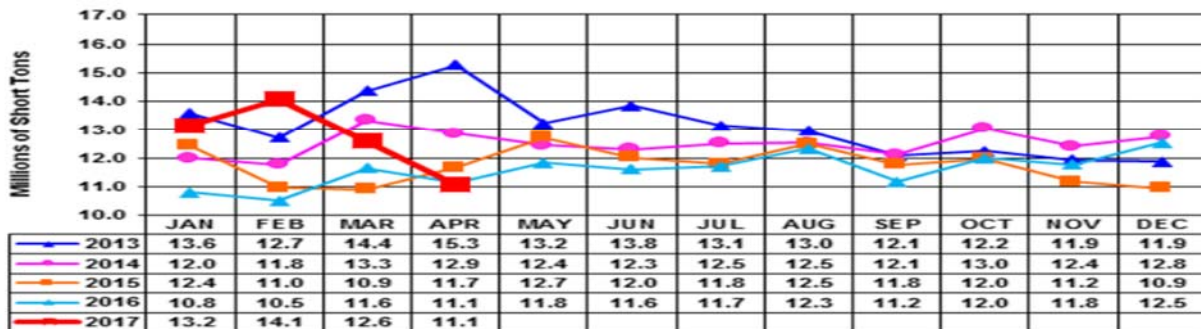
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Ux Consulting Co., LLC – <http://www.uxc.com>

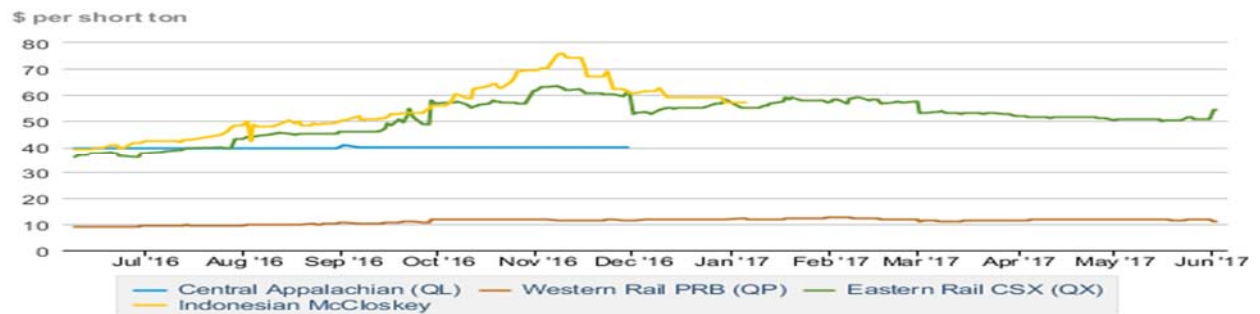
Coal and Coke Monthly Indicator for Internal U.S. Waterways



Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center

NYMEX Coal Futures Near-month Contract Final Settlement Price

NYMEX coal futures near-month contract final settlement price



Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	05/05/17	05/12/17	05/19/17	05/26/17	06/02/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.45	\$52.35	\$52.35	\$52.55	\$52.35	\$-0.20
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.60	\$45.50	\$45.50	\$45.65	\$45.50	\$-0.15
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$30.95	\$30.95	\$30.95	\$30.95	\$30.95	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.75	\$11.55	\$11.55	\$11.55	\$11.55	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.00	\$40.35	\$40.35	\$40.35	\$40.35	\$0.00

Source: With permission, [SNL Energy](#)

Source: Energy Information Administration (with permission from SNL), *Coal News and Markets Report*

Days of burn by non-lignite coal rank, January 2009 - March 2017



Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update Report*

Temperature – heating & cooling degree days (week ending May 25)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	49	2	5	9	7	9
Middle Atlantic	35	-1	-4	9	1	8
E N Central	48	6	5	1	-14	-2
W N Central	72	35	38	0	-19	-11
South Atlantic	9	-5	-16	62	15	20
E S Central	9	-4	-9	47	9	19
W S Central	6	4	-1	53	-13	-3
Mountain	61	11	13	29	3	13
Pacific	8	-24	-35	27	18	24
United States	33	1	-3	28	1	10

Note: HDD = heating degree day; CDD = cooling degree day

Source: National Oceanic and Atmospheric Administration

Source: Energy Information Administration

USGS Production of Selected Mineral Commodities	2016 Year to Date - 4th Quarter	2015 Year to Date - 4th Quarter	Percent Change
Aluminum, secondary (000 Mt.)	896.0	916.0	-2%
Cement (Mil. Mt.)	82.7	81.9	1%
Copper (000 Mt.)	1,430.0	1,410.0	1%
Gold (Mt.)	236.0	214.0	10%
Gypsum (Mil. Mt.)	16.4	15.0	9%
Iron Ore (Mil. Mt.)	39.9	43.1	-7%
Lead (000 Mt.)	330.0	358.0	-8%
Molybdenum (000 Mt.)	35.8	50.6	-29%
Phosphate rock (Mil. Mt.)	27.3	27.4	0%
Sand & gravel, construction (Mil. Mt.)	959.0	937.0	2%
Silver (Mt.)	1,150.0	1,090.0	6%
Soda ash (Mil. Mt.)	11.8	11.6	2%
Stone, crushed (Mil. Mt.)	1,370.0	1,330.0	3%
Zinc (000 Mt.)	772.0	797.0	-3%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2016 data are preliminary estimates.

Natural gas spot prices (Henry Hub)



Source: Energy Information Administration, *Natural Gas Weekly Update*

EIA Coal Stocks and Average Number of Days of Burn (Power Sector)

Coal stocks and average number of days of burn for non-lignite coal by region (electric power sector)

Zone	Coal	March 2017		March 2016		% Change of Stocks	February 2017		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	4,583	84	7,186	111	-36.2%	5,229	92	-12.3%
	Subbituminous	145	251	171	208	-15.3%	159	168	-9.1%
South	Bituminous	31,894	93	36,331	97	-12.2%	31,517	100	1.2%
	Subbituminous	6,222	80	7,951	95	-21.7%	6,144	88	1.3%
Midwest	Bituminous	15,271	97	18,005	100	-15.2%	15,017	100	1.7%
	Subbituminous	43,570	98	46,917	94	-7.1%	43,181	104	0.9%
West	Bituminous	5,937	100	4,965	76	19.6%	5,732	103	3.6%
	Subbituminous	31,500	100	42,069	114	-25.1%	30,470	108	3.4%
U.S. Total	Bituminous	57,685	94	66,487	97	-13.2%	57,495	100	0.3%
	Subbituminous	81,438	97	97,107	102	-16.1%	79,955	104	1.9%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

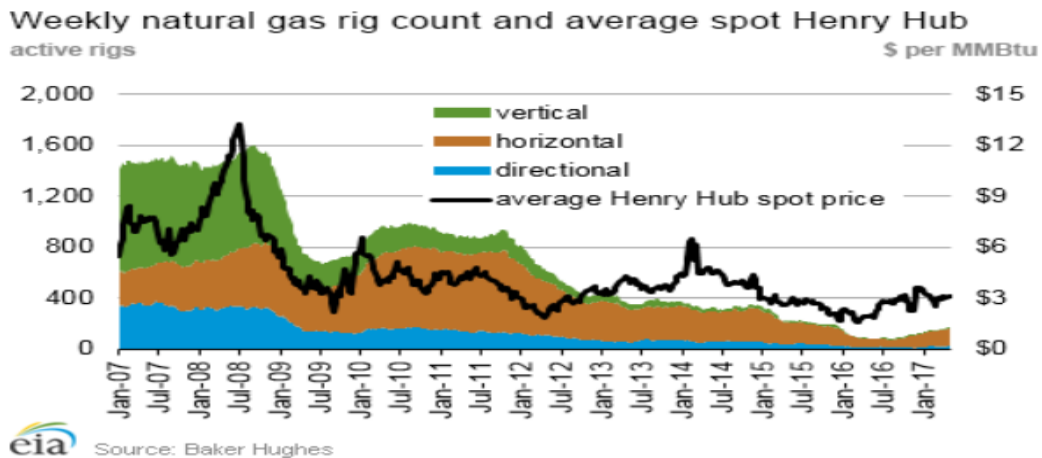
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-05-26	2017-05-19	change
East	419	390	29
Midwest	585	562	23
Mountain	166 C	166	0
Pacific	258	250	8
South Central	1,097	1,076	21
Total	2,525 C	2,444	81

Source: U.S. Energy Information Administration
C=Reclassification

Source: Energy Information Administration, *Natural Gas Weekly Update*

EIA Natural Gas Rig Count and Price Trend



Source: Energy Information Administration, *Natural Gas Weekly Update*

EIA Oil and Natural Gas Rig Productivity

Region	New-well oil production per rig barrels/day			New-well gas production per rig thousand cubic feet/day		
	May 2017	June 2017	change	May 2017	June 2017	change
Bakken	1,130	1,138	8	1,524	1,528	4
Eagle Ford	1,448	1,448	-	4,611	4,615	4
Haynesville	33	33	-	7,332	7,398	66
Marcellus	70	70	-	13,387	13,427	40
Niobrara	1,288	1,288	-	4,420	4,621	101
Permian	640	630	(10)	1,104	1,084	(20)
Utica	234	250	16	10,559	10,648	89
Rig-weighted average	727	724	(3)	3,567	3,544	(23)

Source: Energy Information Administration, *Drilling Productivity Report*