

National Mining Association

Weekly Statistical Summary

May 5, 2017 Edition
(Data for Week Ending April 29, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 17
Dated 05/05/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/29/17	04/23/16	% Chng	04/29/17	04/29/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,753	10,819	27.1%	258,187	219,609	17.6%
52 Weeks Ended	777,071	803,362	-3.3%			
AAR Coal Rail Cars Loaded:	75,662	58,837	28.6%	1,404,625	1,191,170	17.9%
DOC Coal Trade (000 Tons)						
	February 17/16		% Chng	Jan - Feb 17/16		% Chng
Exports:						
Metallurgical	3,776	3,495	8.0%	8,092	6,557	23.4%
Steam *	3,083	1,010	205.2%	6,137	2,311	165.6%
Lignite	9	6	50.0%	15	11	36.4%
Anthracite	47	5	840.0%	60	73	-17.8%
Total	6,915	4,516	53.1%	14,304	8,952	59.8%
Imports:	612	819	-25.3%	1,355	1,512	-10.4%
	Week Ended			Cumulative Week 1 to		
	04/29/17	04/30/16	% Chng	04/29/17	04/30/16	% Chng
EI Electric Total Output (Mil. Kwh)	69,741	69,488	0.4%	1,236,069	1,238,184	-0.2%
EI Coal Region Output (Mil. Kwh)	59,941	59,772	0.3%	1,054,350	1,061,363	-0.7%
AISI Raw Steel Output (000 Tons)	1,750	1,698	3.1%	29,459	28,449	3.6%

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)	
	04/28/17	04/21/17	% Chng	Wed.	04/26/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.45	\$52.45	0.0%	Henry Hub	3.02
Northern App, 13,000 Btu, < 3.0 SO ₂	45.60	45.60	0.0%	New York	2.56
Illinois Basin, 11,800, 5.0 SO ₂	30.95	30.95	0.0%	Chicago	2.93
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.75	11.75	0.0%	Cal.Comp.Avg.	2.92
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.00	41.00	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		
	4/29/2017 (week 17)	4/22/2017 (week 16)	4/23/2016 (week 17)	4/29/2017	4/29/2016	% Change	4/29/2017	4/23/2016	% Change
Alabama	144	168	150	2,976	3,091	-3.7	9,147	11,043	-17.2
Alaska	16	15	15	394	376	4.7	965	1,172	-17.7
Arizona	100	104	83	1,878	1,693	11.0	5,687	6,101	-6.8
Arkansas	1	1	1	16	16	-0.3	32	77	-58.4
Colorado	220	214	208	3,582	3,377	6.1	13,032	15,300	-14.8
Illinois	796	912	755	16,178	14,574	11.0	46,080	49,280	-6.5
Indiana	575	571	469	10,703	9,245	15.8	30,670	31,106	-1.4
Kansas	2	2	.	43	27	59.9	43	158	-72.8
Kentucky Total	735	729	668	14,495	14,221	1.9	43,681	53,469	-18.3
Eastern (KY)	264	256	268	5,323	5,736	-7.2	16,723	23,562	-29.0
Western (KY)	471	473	400	9,172	8,485	8.1	26,958	29,907	-9.9
Louisiana	53	50	47	981	858	14.3	2,965	3,291	-9.9
Maryland	27	30	20	504	445	13.4	1,653	1,645	0.5
Mississippi	53	57	39	1,047	939	11.5	3,015	3,024	-0.3
Missouri	6	6	5	93	61	52.5	270	143	88.8
Montana	532	595	419	10,300	9,231	11.6	33,802	36,890	-8.4
New Mexico	181	190	166	4,585	5,009	-8.5	13,075	19,098	-31.5
North Dakota	568	615	436	11,461	9,084	26.2	30,911	28,048	10.2
Ohio	240	229	219	5,020	4,838	3.8	12,970	15,521	-16.4
Oklahoma	13	12	11	245	215	13.9	673	720	-6.5
Pennsylvania Total	967	956	758	16,987	13,594	25.0	49,986	46,573	7.3
Anthracite (PA)	27	31	28	607	550	10.3	1,716	2,032	-15.6
Bituminous (PA)	941	926	730	16,380	13,043	25.6	48,270	44,541	8.4
Tennessee	11	11	10	267	274	-2.6	670	888	-24.5
Texas	855	877	594	17,000	12,476	36.3	44,301	37,631	17.7
Utah	300	286	235	5,589	4,375	27.8	15,185	13,909	9.2
Virginia	286	281	222	5,268	4,148	27.0	14,566	13,371	8.9
West Virginia Total	1,559	1,657	1,269	29,548	24,722	19.5	86,082	84,887	1.4
Northern (WV)	902	931	671	16,967	13,176	28.8	47,931	43,711	9.7
Southern (WV)	657	726	597	12,581	11,546	9.0	38,151	41,176	-7.3
Wyoming	5,511	5,417	4,021	99,024	82,721	19.7	317,610	330,018	-3.8
Appalachian Total	3,499	3,588	2,914	65,894	56,848	15.9	191,797	197,489	-2.9
Interior Total	2,825	2,961	2,322	55,479	46,896	18.3	155,007	155,337	-0.2
Western Total	7,429	7,437	5,582	136,813	115,865	18.1	430,266	450,536	-4.5
East of Mississippi River	5,394	5,601	4,578	102,995	90,091	14.3	298,520	310,806	-4.0
West of Mississippi River	8,359	8,385	6,241	155,191	129,518	19.8	478,550	492,556	-2.8
Bituminous and Lignite	13,726	13,955	10,791	257,579	219,059	17.6	775,355	801,330	-3.2
Anthracite	27	31	28	607	550	10.3	1,716	2,032	-15.6
U.S. Total	13,753	13,985	10,819	258,187	219,609	17.6	777,071	803,362	-3.3
Railroad Cars Loaded	75,662	76,864	58,837	1,404,625	1,191,170	17.9	4,383,565	4,553,248	-3.7

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 17

OUTPUT FOR WEEK ENDED - Apr 29, 2017

May 03, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Apr 29, 2017** was **69,741** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **176** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended April 29		52 Weeks Ended April 29	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,030	-2.2	123,727	0.1
Mid-Atlantic	7,236	3.3	435,178	0.8
Central Industrial	11,412	-0.4	672,559	1.7
West Central	5,538	-0.5	329,937	1.2
Southeast	18,289	0.6	1,024,114	1.6
South Central	12,961	-1.8	721,513	2.9
Rocky Mountain	4,505	3.2	276,964	-0.1
Pacific Northwest	2,854	5.4	157,664	3.0
Pacific Southwest	4,916	-0.4	282,623	-0.6
Total United States	69,741	0.4	4,024,278	1.5

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Apr 08	68,555	Apr 09	68,786	-0.3	Apr 08	4,022,451	1.4
Apr 15	67,894	Apr 16	68,014	-0.2	Apr 15	4,022,330	1.4
Apr 22	68,816	Apr 23	67,123	2.5	Apr 22	4,024,024	1.5
Apr 29	69,741	Apr 30	69,488	0.4	Apr 29	4,024,278	1.5
Apr 29	1,236,069	Apr 30	1,238,184	-0.2	YEAR TO DATE, FIRST 17 WEEKS		

WEEKLY ELECTRIC OUTPUT INDEX--TOTAL U.S.*

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Apr 08	167	Apr 09	175	Apr 11	159
Apr 15	167	Apr 16	173	Apr 18	158
Apr 22	170	Apr 23	172	Apr 25	159
Apr 29	176	Apr 30	176	May 02	158

* 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		
	29-Apr 2017 GWh Output	30-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016	29-Apr 2017 GWh Output	30-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016	29-Apr 2017 GWh Output	30-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,030	2,075	-2.2%	39,098	39,342	-0.6%	123,727	123,614	0.1%
Mid-Atlantic	7,236	7,005	3.3%	134,155	135,061	-0.7%	435,178	431,578	0.8%
Central Industrial	11,412	11,457	-0.4%	213,191	217,468	-2.0%	672,559	661,179	1.7%
West Central	5,538	5,566	-0.5%	101,262	102,081	-0.8%	329,937	326,068	1.2%
Southeast	18,289	18,182	0.6%	310,782	318,629	-2.5%	1,024,114	1,008,317	1.6%
South Central	12,961	13,195	-1.8%	211,248	206,069	2.5%	721,513	701,409	2.9%
Rocky Mountain	4,505	4,367	3.2%	83,712	82,055	2.0%	276,964	277,233	-0.1%
Pacific Northwest	2,854	2,707	5.4%	58,582	53,143	10.2%	157,664	153,016	3.0%
Pacific Southwest	4,916	4,934	-0.4%	84,039	84,335	-0.4%	282,623	284,238	-0.6%
Total United States ^{1/}	<u>69,741</u>	<u>69,488</u>	0.4%	<u>1,236,069</u>	<u>1,238,183</u>	-0.2%	4,024,279	3,966,652	1.5%
Coal Regions Only ^{2/}	59,941	59,772	0.3%	1,054,350	1,061,363	-0.7%	3,460,265	3,405,784	1.6%

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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May 1, 2017

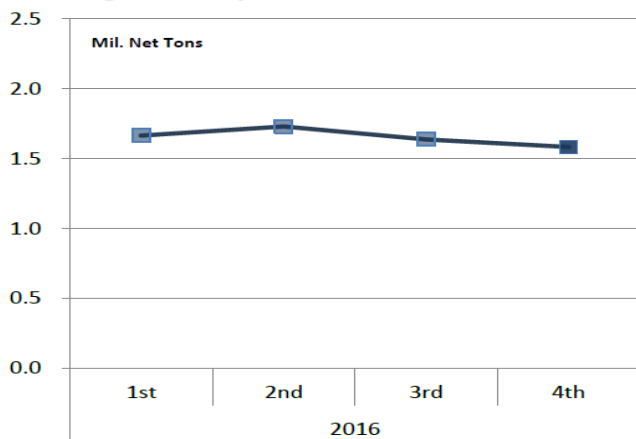
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Apr. 29</u>	<u>Apr. 22</u>	
<u>Week Ending</u>				North East	210	205
				Great Lakes	692	664
April 29, 2017	1,750	2.0	75.1	Midwest	152	168
April 29, 2016	1,698	3.1	72.6	Southern	616	602
April 22, 2017	1,715	-1.4	73.6	Western	80	76
				Total	1,750	1,715
<u>Year-to-Date +</u>						
April 29, 2017	29,459	3.6	74.3			
April 29, 2016	28,449	-	71.6			

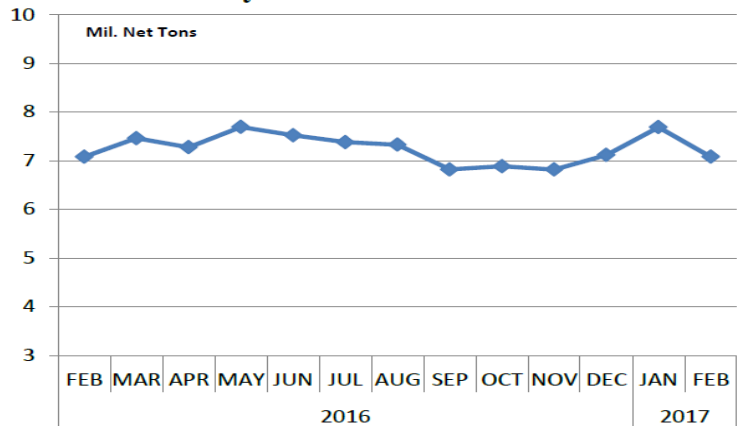
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 fourth quarter 2016 is approximately 31.2 million net tons vs. 31.4 million net tons for the same period last year, and 30.7 million tons for the third quarter of 2016.

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

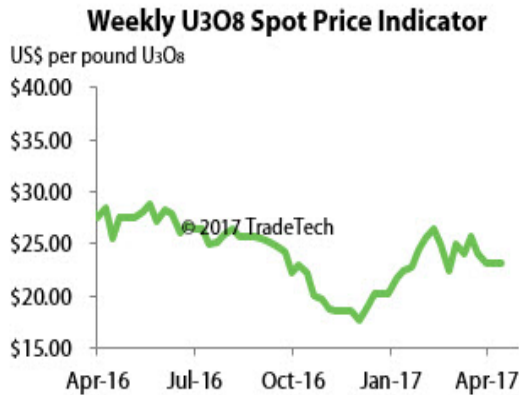


Source: Kitco website - www.kitco.com/connecting.html

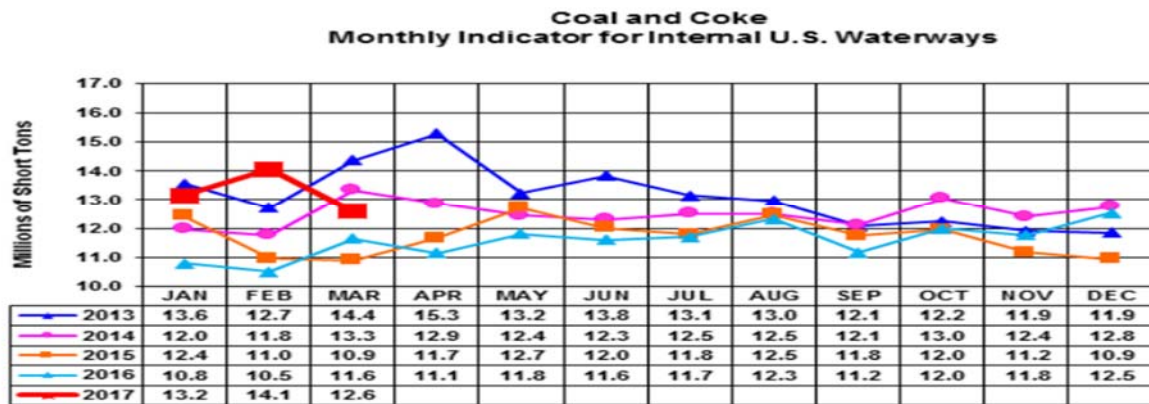


Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



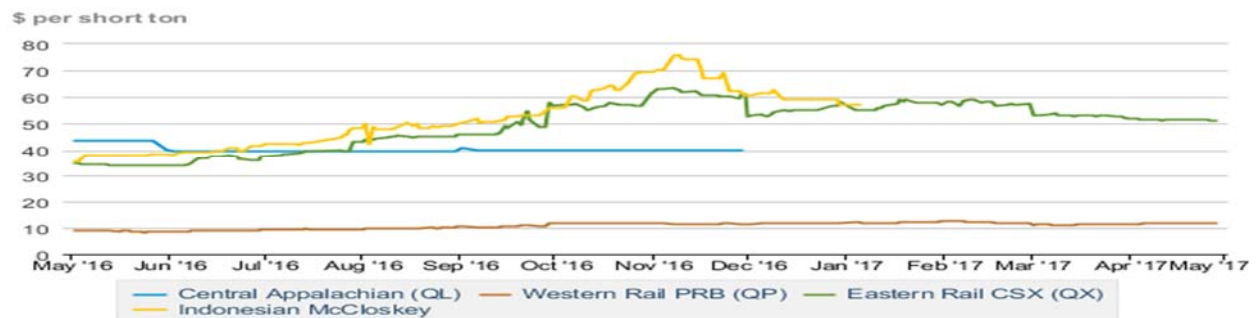
Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Ux Consulting Co., LLC – <http://www.uxc.com>



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
	03/31/17	04/07/17	04/14/17	04/21/17	04/28/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$51.75	\$53.60	\$52.45	\$52.45	\$52.45	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.15	\$46.60	\$45.60	\$45.60	\$45.60	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$31.65	\$30.95	\$30.95	\$30.95	\$30.95	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.50	\$11.42	\$11.75	\$11.75	\$11.75	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.00	\$41.00	\$41.00	\$41.00	\$41.00	\$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 - February 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Apr 20)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	86	-43	-37	0	0	0
Middle Atlantic	62	-50	-30	2	2	2
E N Central	44	-70	-30	4	4	4
W N Central	58	-47	0	6	5	6
South Atlantic	15	-38	-39	32	16	15
E S Central	5	-43	-28	32	27	31
W S Central	2	-19	-19	51	29	24
Mountain	72	-37	-34	12	4	6
Pacific	58	-5	27	0	-3	-5
United States	45	-41	-18	16	9	8

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)



eia Source: Natural Gas Intelligence

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	February 2017		February 2016			January 2017		
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn	% Change of Stocks	Stocks (1000 tons)	Days of Burn	% Change of Stocks
Northeast	Bituminous	5,229	92	7,729	113	-32.4%	5,177	74	1.0%
	Subbituminous	159	168	545	303	-70.7%	96	30	66.7%
South	Bituminous	31,517	100	34,500	98	-8.6%	29,594	90	6.5%
	Subbituminous	6,144	88	7,689	99	-20.1%	5,760	76	6.7%
Midwest	Bituminous	15,017	100	17,391	99	-13.7%	15,035	91	-0.1%
	Subbituminous	43,181	104	46,504	95	-7.1%	41,860	96	3.2%
West	Bituminous	5,732	103	5,372	86	6.7%	5,583	103	2.7%
	Subbituminous	30,470	108	42,051	121	-27.5%	29,650	107	2.8%
U.S. Total	Bituminous	57,495	100	64,992	99	-11.5%	55,390	90	3.8%
	Subbituminous	79,955	104	96,789	105	-17.4%	77,366	99	3.3%

Source: U.S. Energy Information Administration

NOTE: Stockpile levels shown above reflect a sample of electric power sector plants, which were used to create the days of burn statistics. These levels will not equal total electric power sector stockpile levels.

Source: Energy Information Administration, *Electricity Monthly Update*

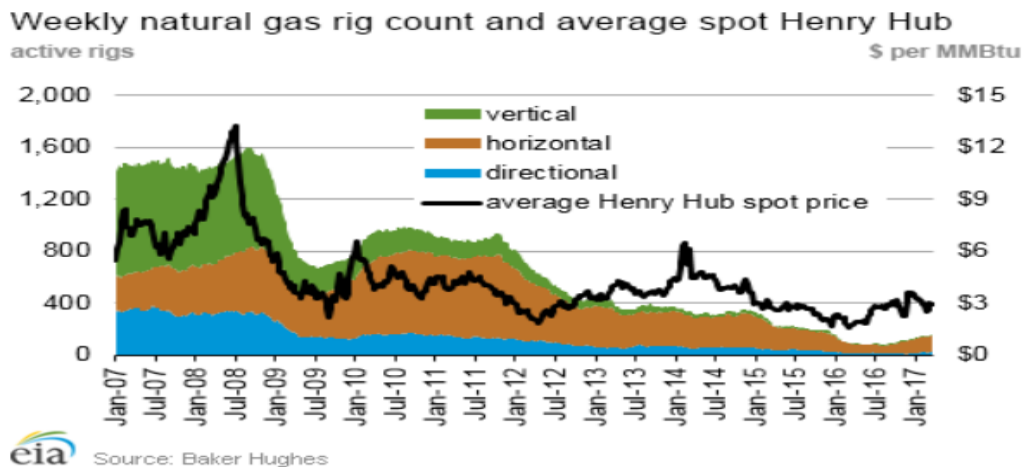
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-04-21	2017-04-14	change
East	303	278	25
Midwest	504	487	17
Mountain	149	144	5
Pacific	228	223	5
South Central	1,005	983	22
Total	2,189	2,115	74

Source: U.S. Energy Information Administration

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		
	April 2017	May 2017	change	April 2017	May 2017	change
Bakken	1,067	1,068	1	1,484	1,492	8
Eagle Ford	1,448	1,448	-	4,606	4,610	4
Haynesville	32	33	1	7,266	7,331	65
Marcellus	69	70	1	13,194	13,368	174
Niobrara	1,300	1,301	1	4,406	4,520	114
Permian	662	662	-	1,112	1,113	1
Utica	218	234	16	10,465	10,556	91
Rig-weighted average	725	735	10	3,526	3,568	42

Source: Energy Information Administration, *Drilling Productivity Report*