

National Mining Association

Weekly Statistical Summary

May 12, 2017 Edition
(Data for Week Ending May 6, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 18
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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	05/06/17	04/30/16	% Chng	05/06/17	05/06/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,332	11,795	13.0%	271,518	231,124	17.5%
52 Weeks Ended	778,607	797,649	-2.4%			
AAR Coal Rail Cars Loaded:	73,386	64,145	14.4%	1,478,011	1,253,793	17.9%
Coal Production Month Ended - Apr.	Apr 17/16		% Chng	Jan - Apr 17/16		% Chng
	60,077	48,115	24.9%	259,786	221,143	17.5%
DOC Coal Trade (000 Tons)						
Exports:	March 17/16		% Chng	Jan - Mar 17/16		% Chng
Metallurgical	4,079	3,596	13.4%	12,171	10,153	19.9%
Steam *	3,915	1,458	168.5%	10,052	3,769	166.7%
Lignite	5	5	0.0%	20	16	25.0%
Anthracite	17	153	-88.9%	77	226	-65.9%
Total	8,016	5,212	53.8%	22,320	14,164	57.6%
Imports:	560	1,186	-52.8%	1,915	2,698	-29.0%
	Week Ended			Cumulative Week 1 to		
	05/06/17	05/07/16	% Chng	05/06/17	05/07/16	% Chng
EI Electric Total Output (Mil. Kwh)	69,270	67,743	2.3%	1,305,339	1,305,927	0.0%
EI Coal Region Output (Mil. Kwh)	59,153	57,859	2.2%	1,113,503	1,119,222	-0.5%
AISI Raw Steel Output (000 Tons)	1,737	1,732	0.3%	31,196	30,180	3.4%

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)	
	05/05/17	04/28/17	% Chng	Wed.	05/03/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.45	\$52.45	0.0%	Henry Hub	3.09
Northern App, 13,000 Btu, < 3.0 SO ₂	45.60	45.60	0.0%	New York	2.85
Illinois Basin, 11,800, 5.0 SO ₂	30.95	30.95	0.0%	Chicago	2.94
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.75	11.75	0.0%	Cal.Comp.Avg.	2.96
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		
	5/6/2017 (week 18)	4/29/2017 (week 17)	4/30/2016 (week 18)	5/6/2017	5/6/2016	% Change	5/6/2017	4/30/2016	% Change
Alabama	154	144	163	3,131	3,251	-3.7	9,138	10,917	-16.3
Alaska	16	16	17	410	392	4.4	964	1,160	-16.9
Arizona	98	100	91	1,976	1,781	10.9	5,695	6,034	-5.6
Arkansas	1	1	1	16	17	-2.5	31	76	-59.2
Colorado	208	220	226	3,789	3,598	5.3	13,013	15,108	-13.9
Illinois	834	796	824	17,013	15,378	10.6	46,091	49,000	-5.9
Indiana	556	575	512	11,259	9,744	15.5	30,715	30,911	-0.6
Kansas	2	2	.	45	27	67.5	45	154	-70.8
Kentucky Total	716	735	728	15,211	14,932	1.9	43,669	52,893	-17.4
Eastern (KY)	256	264	292	5,579	6,021	-7.3	16,687	23,242	-28.2
Western (KY)	460	471	436	9,632	8,911	8.1	26,982	29,652	-9.0
Louisiana	50	53	51	1,031	908	13.5	2,964	3,285	-9.8
Maryland	27	27	22	532	466	14.1	1,659	1,627	2.0
Mississippi	53	53	43	1,101	981	12.2	3,025	2,999	0.9
Missouri	6	6	5	99	66	50.1	271	144	88.2
Montana	536	532	456	10,837	9,676	12.0	33,882	36,541	-7.3
New Mexico	187	181	181	4,772	5,185	-8.0	13,081	18,843	-30.6
North Dakota	575	568	475	12,036	9,548	26.1	31,011	27,960	10.9
Ohio	232	240	239	5,253	5,072	3.6	12,963	15,432	-16.0
Oklahoma	12	13	12	257	227	13.2	673	715	-5.9
Pennsylvania Total	926	967	826	17,913	14,400	24.4	50,086	46,412	7.9
Anthracite (PA)	28	27	30	636	580	9.6	1,714	2,019	-15.1
Bituminous (PA)	898	941	796	17,278	13,820	25.0	48,372	44,393	9.0
Tennessee	11	11	11	278	284	-2.4	670	879	-23.8
Texas	839	855	648	17,839	13,108	36.1	44,492	37,654	18.2
Utah	285	300	256	5,875	4,625	27.0	15,214	13,870	9.7
Virginia	274	286	242	5,542	4,384	26.4	14,599	13,310	9.7
West Virginia Total	1,550	1,559	1,383	31,098	26,072	19.3	86,249	84,333	2.3
Northern (WV)	879	902	732	17,847	13,890	28.5	48,078	43,535	10.4
Southern (WV)	670	657	651	13,251	12,182	8.8	38,170	40,798	-6.4
Wyoming	5,183	5,511	4,384	104,206	87,001	19.8	318,408	327,391	-2.7
Appalachian Total	3,431	3,499	3,177	69,325	59,950	15.6	192,051	196,151	-2.1
Interior Total	2,813	2,825	2,531	58,292	49,367	18.1	155,289	154,591	0.5
Western Total	7,088	7,429	6,086	143,901	121,807	18.1	431,268	446,906	-3.5
East of Mississippi River	5,334	5,394	4,991	108,330	94,964	14.1	298,863	308,713	-3.2
West of Mississippi River	7,997	8,359	6,803	163,189	136,160	19.9	479,744	488,936	-1.9
Bituminous and Lignite	13,303	13,726	11,765	270,883	230,544	17.5	776,894	795,629	-2.4
Anthracite	28	27	30	636	580	9.6	1,714	2,019	-15.1
U.S. Total	13,332	13,753	11,795	271,518	231,124	17.5	778,607	797,649	-2.4
Railroad Cars Loaded	73,386	75,662	64,145	1,478,011	1,253,793	17.9	4,392,806	4,515,898	-2.7

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 18

OUTPUT FOR WEEK ENDED - May 06, 2017

May 10, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **May 06, 2017** was **69,270** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **173** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended May 06		52 Weeks Ended May 06	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,008	-4.8	123,626	0.0
Mid-Atlantic	7,129	0.3	435,197	1.0
Central Industrial	11,423	1.2	672,699	1.9
West Central	5,684	0.5	329,964	1.3
Southeast	17,840	3.4	1,024,708	1.7
South Central	12,434	1.7	721,717	3.0
Rocky Mountain	4,643	7.1	277,273	0.0
Pacific Northwest	2,767	3.2	157,749	3.1
Pacific Southwest	5,342	4.9	282,871	-0.5
Total United States	69,270	2.3	4,025,804	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)
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
May 06	69,270	May 07	67,743	2.3	May 06	4,025,804	1.6
May 06	1,305,339	May 07	1,305,927	0.0	YEAR TO DATE, FIRST 18 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
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
May 06	173	May 07	168	May 09	165

* 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		
	6-May 2017 GWh Output	7-May 2016 GWh Output	% Increase Over Corresponding Week of 2016	6-May 2017 GWh Output	7-May 2016 GWh Output	% Increase Over Corresponding Week of 2016	6-May 2017 GWh Output	7-May 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,008	2,109	-4.8%	41,106	41,451	-0.8%	123,626	123,619	0.0%
Mid-Atlantic	7,129	7,109	0.3%	141,284	142,170	-0.6%	435,197	431,040	1.0%
Central Industrial	11,423	11,283	1.2%	224,614	228,751	-1.8%	672,699	660,054	1.9%
West Central	5,684	5,657	0.5%	106,946	107,738	-0.7%	329,964	325,865	1.3%
Southeast	17,840	17,246	3.4%	328,622	335,875	-2.2%	1,024,708	1,007,873	1.7%
South Central	12,434	12,230	1.7%	223,682	218,299	2.5%	721,717	700,833	3.0%
Rocky Mountain	4,643	4,334	7.1%	88,355	86,389	2.3%	277,273	277,164	0.0%
Pacific Northwest	2,767	2,681	3.2%	61,349	55,824	9.9%	157,749	153,001	3.1%
Pacific Southwest	5,342	5,094	4.9%	89,381	89,429	-0.1%	282,871	284,312	-0.5%
Total United States ^{1/}	<u>69,270</u>	<u>67,743</u>	2.3%	<u>1,305,339</u>	<u>1,305,926</u>	0.0%	4,025,804	3,963,761	1.6%
Coal Regions Only ^{2/}	59,153	57,859	2.2%	1,113,503	1,119,222	-0.5%	3,461,558	3,402,829	1.7%

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 8, 2017

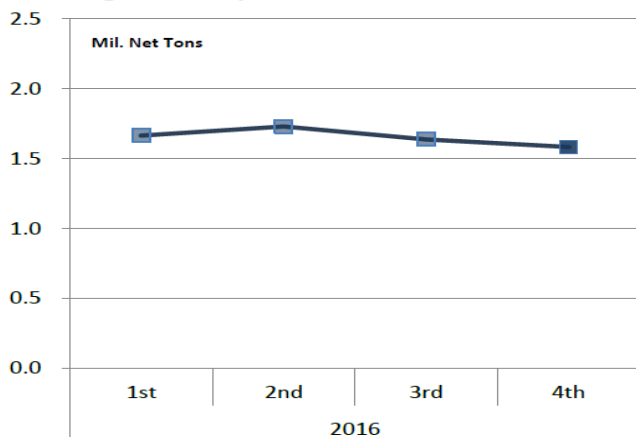
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 May 6</u>	<u>Apr. 29</u>	
<u>Week Ending</u>				North East	210	210
				Great Lakes	687	692
May 6, 2017	1,737	-0.7	74.5	Midwest	170	152
May 6, 2016	1,732	0.3	74.1	Southern	592	616
April 29, 2017	1,750	2.0	75.1	Western	78	80
				Total	1,737	1,750
<u>Year-to-Date +</u>						
May 6, 2017	31,196	3.4	74.3			
May 6, 2016	30,180	-	72.1			

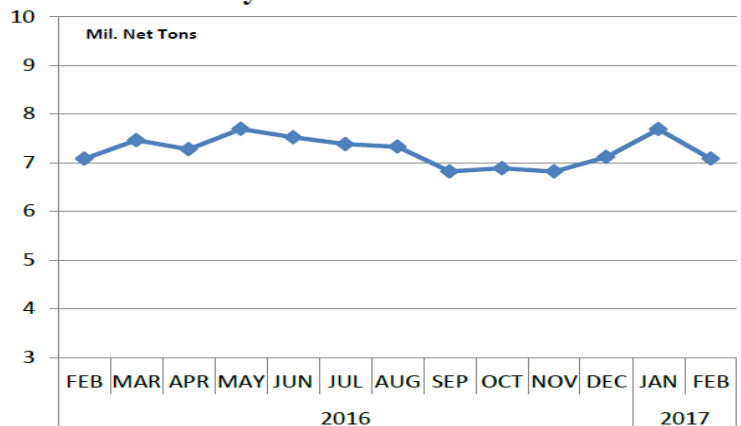
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 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

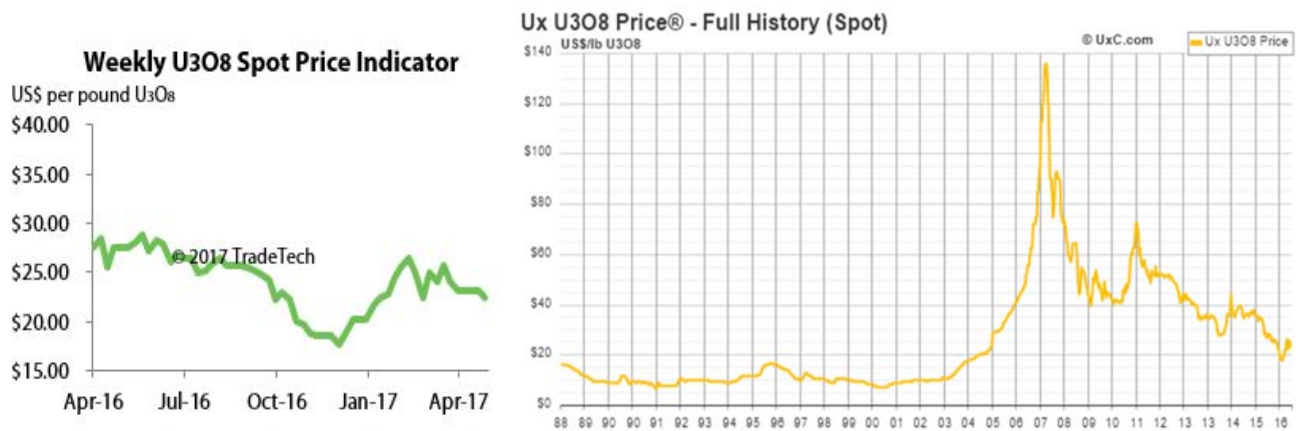


Source: Kitco website - www.kitco.com/connecting.html

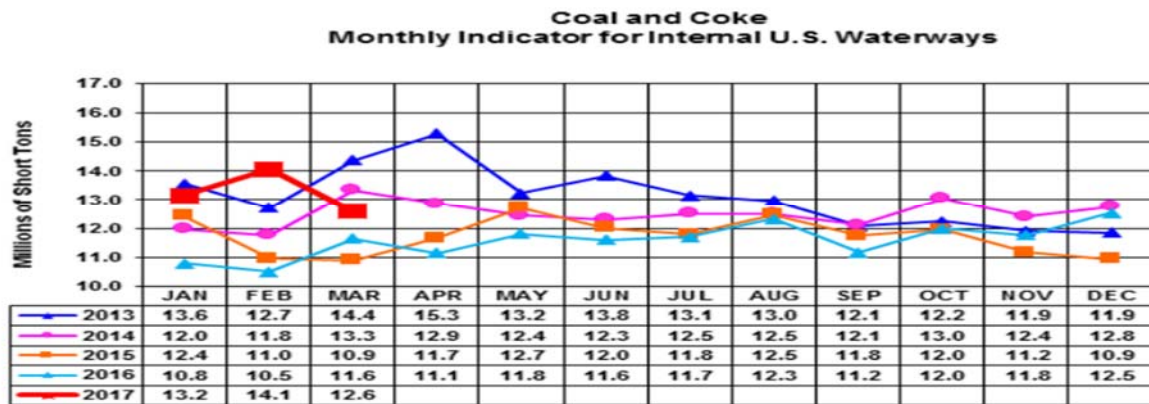


Source: Kitco website - www.kitco.com/connecting.html

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



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
	04/07/17	04/14/17	04/21/17	04/28/17	05/05/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$53.60	\$52.45	\$52.45	\$52.45	\$52.45	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$46.60	\$45.60	\$45.60	\$45.60	\$45.60	\$0.00
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	\$11.42	\$11.75	\$11.75	\$11.75	\$11.75	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.00	\$41.00	\$41.00	\$41.00	\$41.00	\$0.00

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 27)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	99	-12	10	0	0	0
Middle Atlantic	75	-20	10	1	1	1
E N Central	70	-28	6	1	1	1
W N Central	106	18	43	0	-2	-3
South Atlantic	28	-15	7	31	11	5
E S Central	27	-12	13	12	5	-4
W S Central	23	8	15	33	5	-9
Mountain	94	-3	21	12	1	1
Pacific	39	-18	-9	0	-4	-1
United States	60	-13	10	11	1	0

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

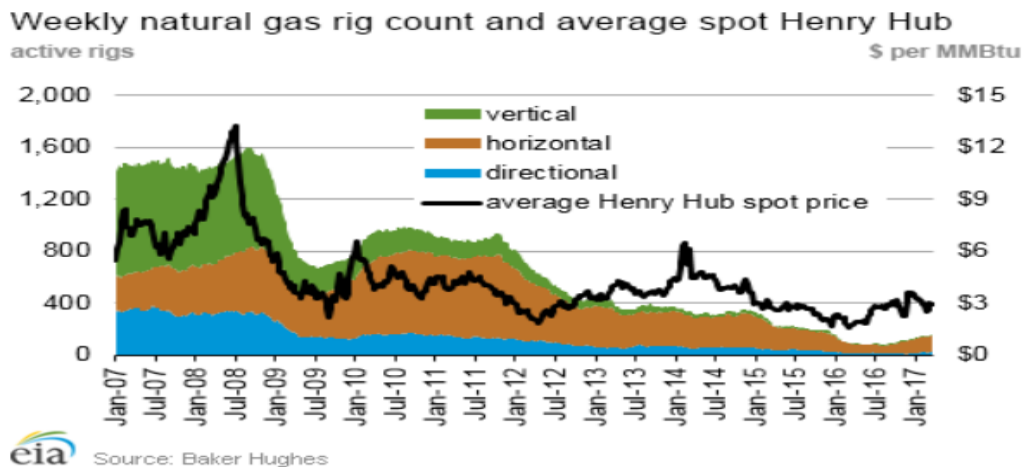
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-04-28	2017-04-21	change
East	325	303	22
Midwest	519	504	15
Mountain	153	149	4
Pacific	233	228	5
South Central	1,026	1,005	21
Total	2,256	2,189	67

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*