

National Mining Association

Weekly Statistical Summary

April 28, 2017 Edition
(Data for Week Ending April 22, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 16
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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/22/17	04/16/16	% Chng	04/22/17	04/22/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,985	11,601	20.5%	244,433	207,942	17.5%
52 Weeks Ended	774,136	809,518	-4.4%			
AAR Coal Rail Cars Loaded:	76,864	81,942	-6.2%	1,328,963	1,127,714	17.8%
Coal Production						
Month Ended - Mar.	Mar 17/16		% Chng	Jan - Mar 17/16		% Chng
	64,799	55,265	17.3%	199,709	173,028	15.4%
DOC Coal Trade (000 Tons)						
Exports:						
	February 17/16		% Chng	Jan - Feb 17/16		% Chng
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						
	04/22/17	04/23/16	% Chng	Cumulative Week 1 to		
				04/22/17	04/23/16	% Chng
EI Electric Total Output (Mil. Kwh)	68,816	67,123	2.5%	1,166,328	1,168,696	-0.2%
EI Coal Region Output (Mil. Kwh)	59,076	57,273	3.1%	994,409	1,001,591	-0.7%
AISI Raw Steel Output (000 Tons)	1,715	1,698	1.0%	27,709	26,751	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)	
	04/21/17	04/14/17	% Chng	Wed.	04/19/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.45	\$52.45	0.0%	Henry Hub	3.12
Northern App, 13,000 Btu, < 3.0 SO ₂	45.60	45.60	0.0%	New York	3.05
Illinois Basin, 11,800, 5.0 SO ₂	30.95	30.95	0.0%	Chicago	2.96
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.75	11.75	0.0%	Cal.Comp.Avg.	3.02
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									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	4/22/2017 (week 16)	4/15/2017 (week 15)	4/16/2016 (week 16)	4/22/2017	4/22/2016	% Change	4/22/2017	4/16/2016	% Change
Alabama	168	173	161	2,832	2,930	-3.3	9,153	11,173	-18.1
Alaska	15	18	16	377	359	5.0	963	1,184	-18.7
Arizona	104	110	89	1,778	1,603	10.9	5,670	6,170	-8.1
Arkansas	1	1	1	15	15	1.6	32	78	-59.0
Colorado	214	233	223	3,361	3,153	6.6	13,020	15,497	-16.0
Illinois	912	935	810	15,382	13,759	11.8	46,039	49,595	-7.2
Indiana	571	623	503	10,127	8,738	15.9	30,564	31,322	-2.4
Kansas	2	2	.	41	27	52.2	41	162	-74.7
Kentucky Total	729	802	716	13,761	13,501	1.9	43,614	54,066	-19.3
Eastern (KY)	256	287	287	5,059	5,447	-7.1	16,727	23,888	-30.0
Western (KY)	473	515	429	8,702	8,054	8.0	26,887	30,178	-10.9
Louisiana	50	56	50	928	808	14.9	2,959	3,299	-10.3
Maryland	30	30	21	478	424	12.7	1,646	1,665	-1.1
Mississippi	57	60	42	994	897	10.8	3,001	3,050	-1.6
Missouri	6	7	5	87	56	54.5	269	141	90.8
Montana	595	601	449	9,768	8,779	11.3	33,688	37,253	-9.6
New Mexico	190	209	178	4,404	4,830	-8.8	13,060	19,354	-32.5
North Dakota	615	645	467	10,893	8,615	26.4	30,778	28,159	9.3
Ohio	229	260	235	4,781	4,602	3.9	12,949	15,620	-17.1
Oklahoma	12	13	12	232	203	14.4	671	726	-7.6
Pennsylvania Total	956	1,038	812	16,020	12,777	25.4	49,776	46,772	6.4
Anthracite (PA)	31	32	30	581	521	11.5	1,717	2,045	-16.0
Bituminous (PA)	926	1,006	783	15,439	12,256	26.0	48,059	44,726	7.5
Tennessee	11	12	11	256	263	-2.7	669	896	-25.3
Texas	877	940	637	16,145	11,835	36.4	44,040	37,642	17.0
Utah	286	320	252	5,289	4,121	28.3	15,120	13,961	8.3
Virginia	281	307	238	4,982	3,909	27.5	14,502	13,442	7.9
West Virginia Total	1,657	1,737	1,360	27,989	23,354	19.8	85,791	85,496	0.3
Northern (WV)	931	985	720	16,066	12,452	29.0	47,700	43,919	8.6
Southern (WV)	726	751	640	11,923	10,902	9.4	38,091	41,576	-8.4
Wyoming	5,417	5,806	4,312	93,513	78,385	19.3	316,120	332,794	-5.0
Appalachian Total	3,588	3,844	3,125	62,396	53,705	16.2	191,213	198,952	-3.9
Interior Total	2,961	3,152	2,490	52,654	44,392	18.6	154,504	156,193	-1.1
Western Total	7,437	7,942	5,986	129,384	109,845	17.8	428,420	454,373	-5.7
East of Mississippi River	5,601	5,977	4,909	97,601	85,154	14.6	297,705	313,096	-4.9
West of Mississippi River	8,385	8,960	6,692	146,832	122,788	19.6	476,432	496,422	-4.0
Bituminous and Lignite	13,955	14,906	11,571	243,853	207,421	17.6	772,419	807,473	-4.3
Anthracite	31	32	30	581	521	11.5	1,717	2,045	-16.0
U.S. Total	13,985	14,938	11,601	244,433	207,942	17.5	774,136	809,518	-4.4
Railroad Cars Loaded	76,864	81,942	63,090	1,328,963	1,127,714	17.8	4,366,740	4,592,816	-4.9

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 16

OUTPUT FOR WEEK ENDED - Apr 22, 2017

Apr 26, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Apr 22, 2017** was **68,816** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **170** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended April 22		52 Weeks Ended April 22	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,007	0.2	123,772	0.1
Mid-Atlantic	7,001	-0.4	434,947	0.8
Central Industrial	11,438	-0.6	672,603	1.7
West Central	5,581	-0.5	329,964	1.2
Southeast	17,512	5.6	1,024,007	1.7
South Central	13,045	8.6	721,748	3.1
Rocky Mountain	4,499	-0.6	276,825	-0.3
Pacific Northwest	2,792	7.3	157,517	3.0
Pacific Southwest	4,941	-5.8	282,641	-0.7
Total United States	68,816	2.5	4,024,024	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 01	69,461	Apr 02	67,204	3.4	Apr 01	4,022,683	1.4
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 22	1,166,328	Apr 23	1,168,696	-0.2	YEAR TO DATE, FIRST 16 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Apr 01	167	Apr 02	169	Apr 04	160
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

* 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		
	22-Apr 2017 GWh Output	23-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016	22-Apr 2017 GWh Output	23-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016	22-Apr 2017 GWh Output	23-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,007	2,004	0.1%	37,068	37,267	-0.5%	123,772	123,597	0.1%
Mid-Atlantic	7,001	7,029	-0.4%	126,919	128,056	-0.9%	434,947	431,696	0.8%
Central Industrial	11,438	11,512	-0.6%	201,779	206,011	-2.1%	672,603	661,208	1.7%
West Central	5,581	5,609	-0.5%	95,724	96,515	-0.8%	329,964	326,008	1.2%
Southeast	17,512	16,584	5.6%	292,493	300,447	-2.6%	1,024,007	1,007,118	1.7%
South Central	13,045	12,012	8.6%	198,287	192,874	2.8%	721,748	699,916	3.1%
Rocky Mountain	4,499	4,527	-0.6%	79,207	77,688	2.0%	276,825	277,541	-0.3%
Pacific Northwest	2,792	2,603	7.3%	55,728	50,436	10.5%	157,517	152,976	3.0%
Pacific Southwest	4,941	5,243	-5.8%	79,123	79,401	-0.4%	282,641	284,674	-0.7%
Total United States ^{1/}	<u>68,816</u>	<u>67,123</u>	2.5%	<u>1,166,328</u>	<u>1,168,695</u>	-0.2%	4,024,024	3,964,734	1.5%
Coal Regions Only ^{2/}	59,076	57,273	3.1%	994,409	1,001,591	-0.7%	3,460,094	3,403,487	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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April 24, 2017

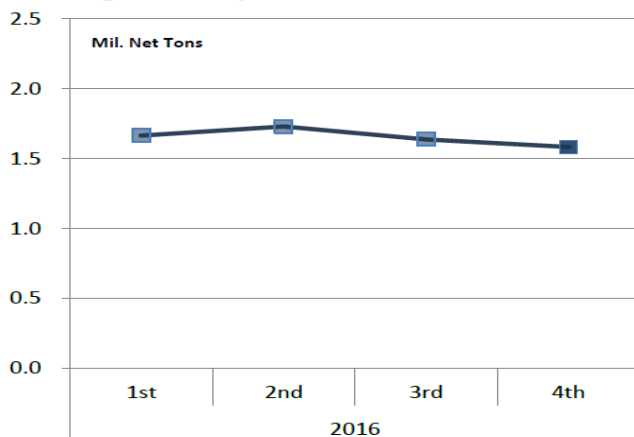
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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. 22</u>	<u>Apr. 15</u>	
<u>Week Ending</u>				North East	205	195
				Great Lakes	664	645
April 22, 2017	1,715	-1.4	73.6	Midwest	168	173
April 22, 2016	1,698	1.0	72.6	Southern	602	647
April 15, 2017	1,740	2.2	74.6	Western	<u>76</u>	<u>80</u>
				Total	1,715	1,740
<u>Year-to-Date +</u>						
April 22, 2017	27,709	3.6	74.3			
April 22, 2016	26,751	-	71.6			

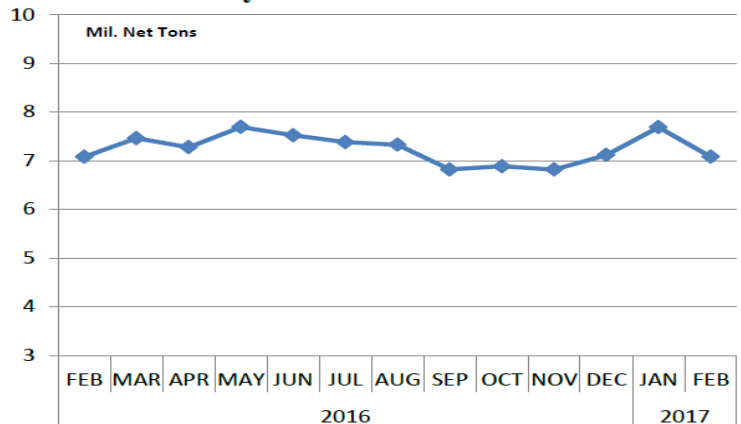
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

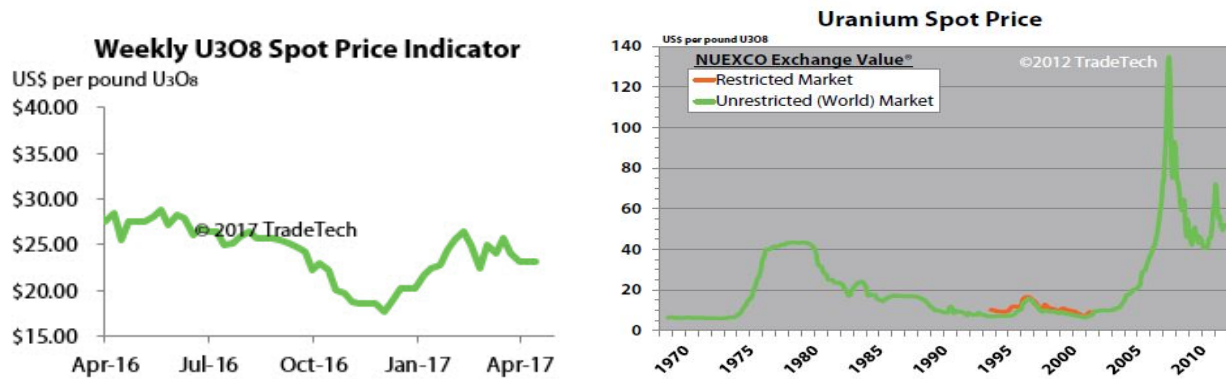


Source: Kitco website - www.kitco.com/connecting.html

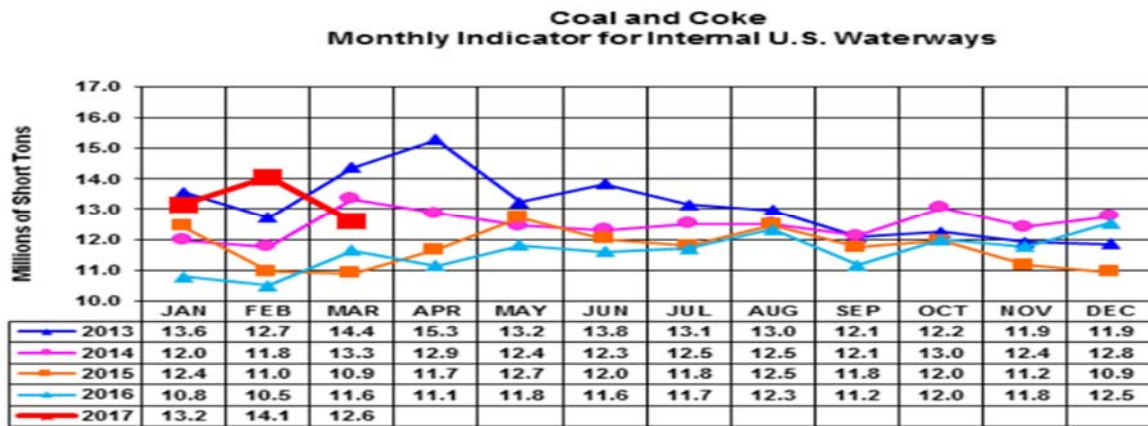


Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



Source: Trade Tech, Uranium Info Website – www.uranium.info



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

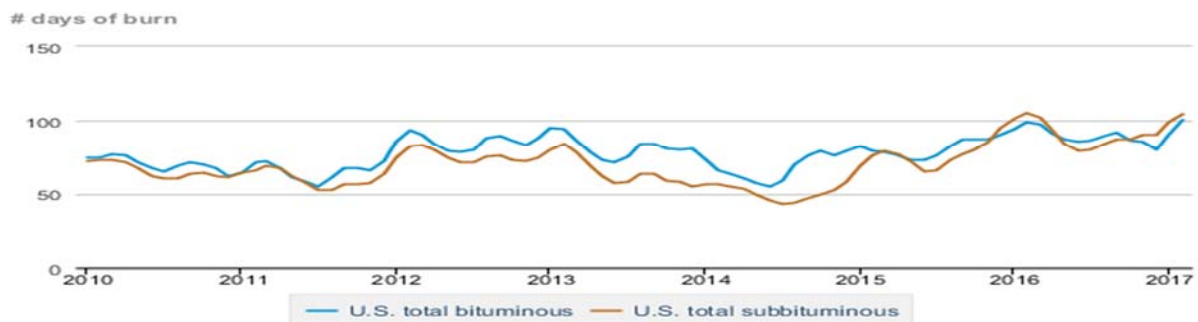
Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago change
	03/24/17	03/31/17	04/07/17	04/14/17	04/21/17	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$51.60	\$51.75	\$53.60	\$52.45	\$52.45	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.00	\$45.15	\$46.60	\$45.60	\$45.60	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$31.65	\$31.65	\$30.95	\$30.95	\$30.95	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.45	\$11.50	\$11.42	\$11.75	\$11.75	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$39.90	\$40.00	\$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 13)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	92	-53	-68	0	0	0
Middle Atlantic	83	-45	-82	0	0	0
E N Central	92	-40	-92	0	0	0
W N Central	87	-37	-67	1	0	1
South Atlantic	50	-15	-45	13	0	1
E S Central	41	-18	-41	5	0	5
W S Central	15	-14	-10	29	12	6
Mountain	87	-34	6	7	0	1
Pacific	77	7	35	0	-2	-2
United States	73	-26	-43	7	2	1

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: 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

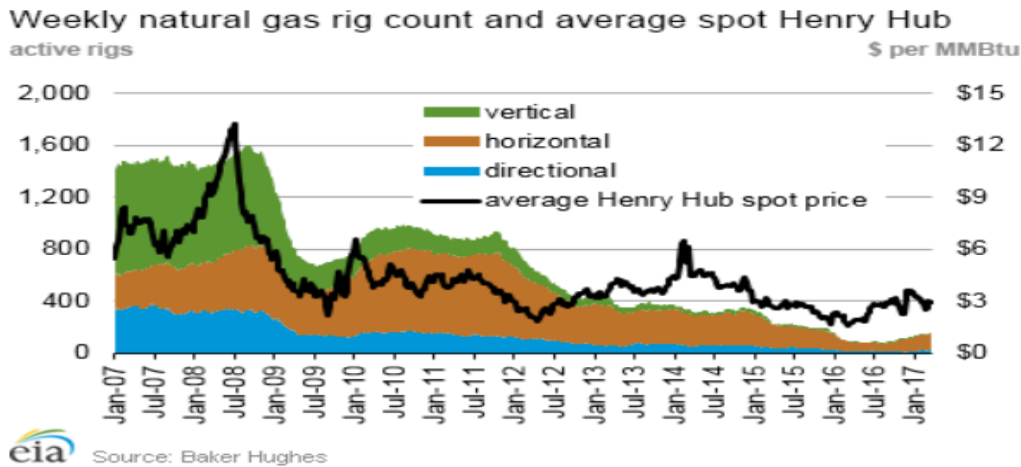
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-04-14	2017-04-07	change
East	278	266	12
Midwest	487	476	11
Mountain	144	141	3
Pacific	223	221	2
South Central	983	957	26
Total	2,115	2,061	54

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*