

National Mining Association

Weekly Statistical Summary

April 21, 2017 Edition
(Data for Week Ending April 15, 2017)

Prepared by
National Mining Association



Suite 500 East, 101 Constitution Avenue, NW
Washington, DC, 20001
Phone (202) 463-2600
Visit us at <http://www.nma.org>

NMA Weekly Statistical Summary

Vol. 55, No. 15
Dated 04/21/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/15/17	04/09/16	% Chng	04/15/17	04/15/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,938	10,695	39.7%	230,448	197,021	17.0%
52 Weeks Ended	771,752	815,078	-5.3%			
AAR Coal Rail Cars Loaded:	81,942	58,166	40.9%	1,252,099	1,068,324	17.2%
DOC Coal Trade (000 Tons)						
Exports:						
	February 17/16			Jan - Feb 17/16		
			% Chng			% 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%
EI Electric Total Output (Mil. Kwh)						
	Week Ended			Cumulative Week 1 to		
	04/15/17	04/16/16	% Chng	04/15/17	04/16/16	% Chng
EI Electric Total Output (Mil. Kwh)	67,894	68,014	-0.2%	1,097,511	1,101,574	-0.4%
EI Coal Region Output (Mil. Kwh)	58,177	58,204	0.0%	935,333	944,318	-1.0%
AISI Raw Steel Output (000 Tons)	1,740	1,698	2.5%	25,994	25,053	3.8%

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)	
	04/14/17	04/07/17	% Chng	Wed.	04/12/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.45	\$53.60	-2.1%	Henry Hub	2.99
Northern App, 13,000 Btu, < 3.0 SO ₂	45.60	46.60	-2.1%	New York	2.76
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	11.42	2.9%	Cal.Comp.Avg.	3.00
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		
	4/15/2017 (week 15)	4/8/2017 (week 14)	4/9/2016 (week 15)	4/15/2017	4/15/2016	% Change	4/15/2017	4/9/2016	% Change
Alabama	173	145	148	2,664	2,778	-4.1	9,145	11,296	-19.0
Alaska	18	16	15	362	344	5.3	965	1,195	-19.2
Arizona	110	100	82	1,674	1,519	10.2	5,656	6,235	-9.3
Arkansas	1	1	1	14	13	5.3	32	79	-59.5
Colorado	233	220	205	3,147	2,943	6.9	13,028	15,685	-16.9
Illinois	935	798	747	14,470	12,997	11.3	45,937	49,867	-7.9
Indiana	623	576	464	9,556	8,265	15.6	30,496	31,511	-3.2
Kansas	2	2	.	39	27	44.1	39	166	-76.5
Kentucky Total	802	735	660	13,032	12,827	1.6	43,601	54,628	-20.2
Eastern (KY)	287	264	265	4,803	5,177	-7.2	16,758	24,201	-30.8
Western (KY)	515	471	395	8,228	7,650	7.6	26,843	30,427	-11.8
Louisiana	56	53	46	878	760	15.5	2,959	3,304	-10.4
Maryland	30	27	20	448	404	10.9	1,637	1,683	-2.7
Mississippi	60	53	39	938	857	9.4	2,987	3,074	-2.8
Missouri	7	6	5	81	52	56.5	267	140	90.7
Montana	601	533	414	9,173	8,357	9.8	33,542	37,594	-10.8
New Mexico	209	181	164	4,214	4,662	-9.6	13,047	19,603	-33.4
North Dakota	645	569	431	10,278	8,175	25.7	30,630	28,244	8.4
Ohio	260	240	217	4,552	4,381	3.9	12,956	15,707	-17.5
Oklahoma	13	13	11	221	192	15.0	672	731	-8.1
Pennsylvania Total	1,038	968	749	15,063	12,012	25.4	49,632	46,926	5.8
Anthracite (PA)	32	27	27	550	493	11.6	1,716	2,057	-16.6
Bituminous (PA)	1,006	941	721	14,514	11,520	26.0	47,916	44,869	6.8
Tennessee	12	11	10	245	253	-3.1	669	904	-26.0
Texas	940	856	588	15,268	11,235	35.9	43,801	37,618	16.4
Utah	320	300	232	5,003	3,884	28.8	15,086	13,999	7.8
Virginia	307	286	219	4,701	3,685	27.6	14,459	13,500	7.1
West Virginia Total	1,737	1,561	1,254	26,332	22,074	19.3	85,495	86,034	-0.6
Northern (WV)	985	903	664	15,135	11,774	28.5	47,490	44,089	7.7
Southern (WV)	751	659	590	11,197	10,299	8.7	38,005	41,944	-9.4
Wyoming	5,806	5,514	3,975	88,096	74,325	18.5	315,015	335,354	-6.1
Appalachian Total	3,844	3,502	2,881	58,808	50,763	15.8	190,750	200,252	-4.7
Interior Total	3,152	2,829	2,295	49,693	42,048	18.2	154,033	156,916	-1.8
Western Total	7,942	7,435	5,519	121,947	104,210	17.0	426,969	457,910	-6.8
East of Mississippi River	5,977	5,400	4,526	92,000	80,533	14.2	297,013	315,131	-5.7
West of Mississippi River	8,960	8,365	6,169	138,448	116,489	18.9	474,739	499,947	-5.0
Bituminous and Lignite	14,906	13,738	10,668	229,898	196,528	17.0	770,036	813,021	-5.3
Anthracite	32	27	27	550	493	11.6	1,716	2,057	-16.6
U.S. Total	14,938	13,765	10,695	230,448	197,021	17.0	771,752	815,078	-5.3
Railroad Cars Loaded	81,942	75,078	58,166	1,252,099	1,068,324	17.2	4,352,966	4,629,208	-6.0

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 15

OUTPUT FOR WEEK ENDED - Apr 15, 2017

Apr 19, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Apr 15, 2017** was **67,894** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **167** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended April 15		52 Weeks Ended April 15	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	1,986	-5.6	123,769	0.1
Mid-Atlantic	6,874	-4.4	434,974	0.7
Central Industrial	11,325	-5.8	672,677	1.7
West Central	5,697	-0.7	329,993	1.2
Southeast	17,227	1.6	1,023,079	1.6
South Central	12,631	5.7	720,714	3.0
Rocky Mountain	4,423	1.8	276,854	-0.2
Pacific Northwest	3,006	7.6	157,327	2.8
Pacific Southwest	4,725	-3.8	282,944	-0.5
Total United States	67,894	-0.2	4,022,330	1.4

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Mar 25	70,146	Mar 26	67,689	3.6	Mar 25	4,020,426	1.3
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 15	1,097,511	Apr 16	1,101,574	-0.4	YEAR TO DATE, FIRST 15 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Mar 25	163	Mar 26	168	Mar 28	165
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

* Excludes Alaska and Hawaii.

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

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	15-Apr 2017 GWh Output	16-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016	15-Apr 2017 GWh Output	16-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016	15-Apr 2017 GWh Output	16-Apr 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	1,986	2,103	-5.6%	35,061	35,263	-0.6%	123,769	123,691	0.1%
Mid-Atlantic	6,874	7,194	-4.4%	119,918	121,027	-0.9%	434,974	431,938	0.7%
Central Industrial	11,325	12,022	-5.8%	190,341	194,499	-2.1%	672,677	661,579	1.7%
West Central	5,697	5,735	-0.7%	90,143	90,906	-0.8%	329,993	326,144	1.2%
Southeast	17,227	16,952	1.6%	274,981	283,863	-3.1%	1,023,079	1,007,436	1.6%
South Central	12,631	11,955	5.7%	185,242	180,862	2.4%	720,714	699,944	3.0%
Rocky Mountain	4,423	4,346	1.8%	74,708	73,161	2.1%	276,854	277,523	-0.2%
Pacific Northwest	3,006	2,794	7.6%	52,936	47,833	10.7%	157,327	153,063	2.8%
Pacific Southwest	4,725	4,913	-3.8%	74,182	74,158	0.0%	282,944	284,444	-0.5%
Total United States ^{1/}	<u>67,894</u>	<u>68,014</u>	-0.2%	<u>1,097,512</u>	<u>1,101,572</u>	-0.4%	<u>4,022,331</u>	<u>3,965,762</u>	1.4%
Coal Regions Only ^{2/}	58,177	58,204	0.0%	935,333	944,318	-1.0%	3,458,291	3,404,564	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*.

AMERICAN IRON AND STEEL INSTITUTE
 25 Massachusetts Avenue, NW, Suite 800
 Washington, D.C. 20001

April 17, 2017

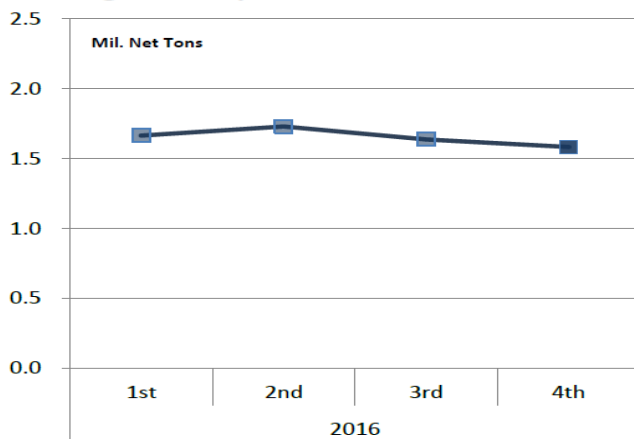
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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. 15</u>	<u>Apr. 8</u>	
<u>Week Ending</u>				North East	195	188
				Great Lakes	645	627
April 15, 2017	1,740	2.2	74.6	Midwest	173	168
April 15, 2016	1,698	2.5	72.6	Southern	647	643
April 8, 2017	1,703	0.7	73.0	Western	80	77
				Total	1,740	1,703
<u>Year-to-Date +</u>						
April 15, 2017	25,994	3.8	74.3			
April 15, 2016	25,053	-	71.6			

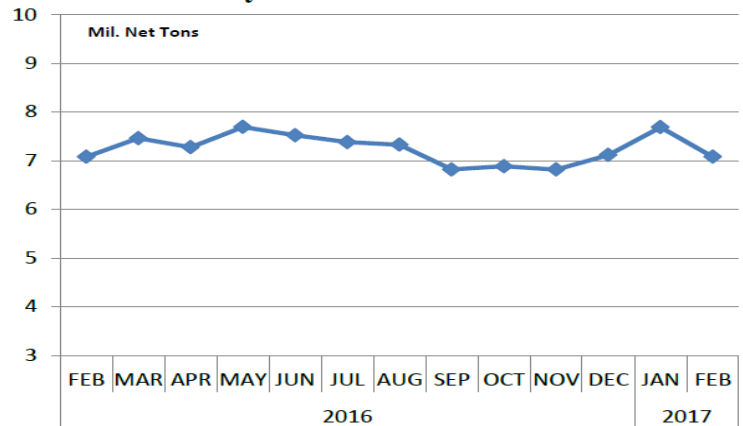
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

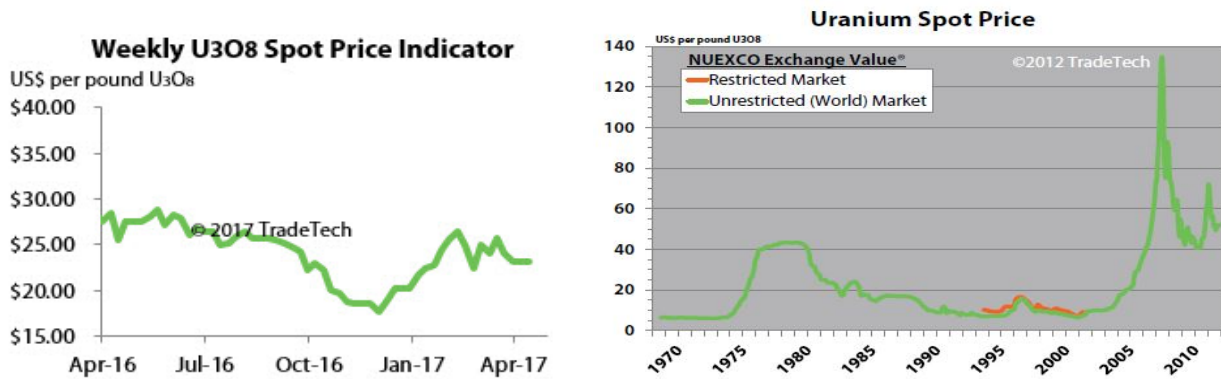


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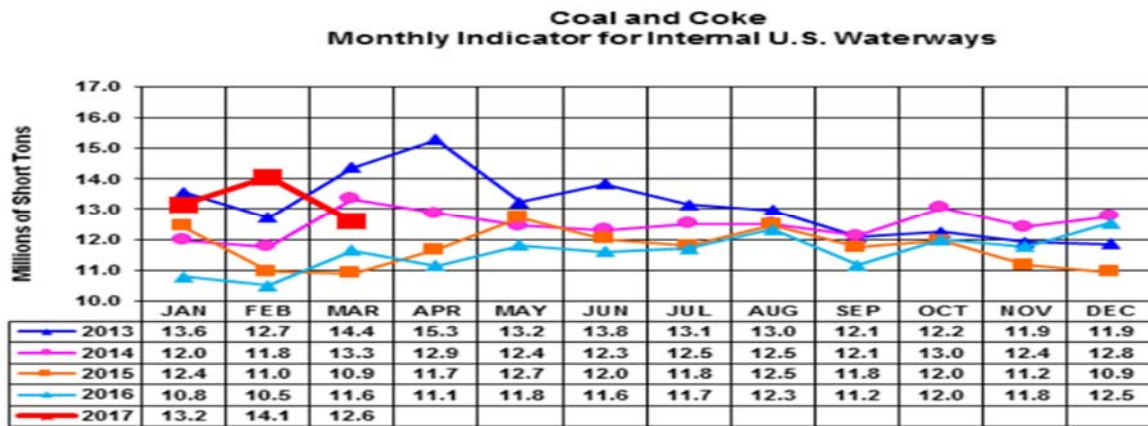


Source: Kitco website - www.kitco.com/connecting.html

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
	03/17/17	03/24/17	03/31/17	04/07/17	04/14/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$51.60	\$51.60	\$51.75	\$53.60	\$52.45	\$-1.15
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.00	\$45.00	\$45.15	\$46.60	\$45.60	\$-1.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$31.65	\$31.65	\$31.65	\$30.95	\$30.95	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.45	\$11.45	\$11.50	\$11.42	\$11.75	\$0.33
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$39.90	\$39.90	\$40.00	\$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 - January 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Apr 06)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	168	6	3	0	0	0
Middle Atlantic	124	-21	-17	0	0	0
E N Central	126	-24	-30	0	0	0
W N Central	123	-21	-9	0	-1	0
South Atlantic	44	-33	-14	26	13	6
E S Central	42	-30	-17	6	1	4
W S Central	26	-12	-6	23	8	5
Mountain	132	0	13	2	-3	-3
Pacific	52	-25	2	0	-2	0
United States	92	-21	-12	8	4	2

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	January 2017		January 2016			December 2016		
		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	5,181	75	7,967	100	-35.0%	5,484	66	-5.5%
	Subbituminous	96	30	652	220	-85.3%	98	36	-2.4%
South	Bituminous	29,594	90	35,366	97	-16.3%	29,868	77	-0.9%
	Subbituminous	5,760	76	7,792	98	-26.1%	5,978	68	-3.6%
Midwest	Bituminous	15,035	91	17,447	92	-13.8%	16,279	87	-7.6%
	Subbituminous	41,909	96	46,617	87	-10.1%	44,048	87	-4.9%
West	Bituminous	5,583	103	4,912	79	13.7%	5,868	98	-4.9%
	Subbituminous	29,650	107	40,971	121	-27.6%	31,244	100	-5.1%
U.S. Total	Bituminous	55,394	90	65,692	94	-15.7%	57,499	80	-3.7%
	Subbituminous	77,415	99	96,032	101	-19.4%	81,369	90	-4.9%

Source: Energy Information Administration, *Electricity Monthly Update*

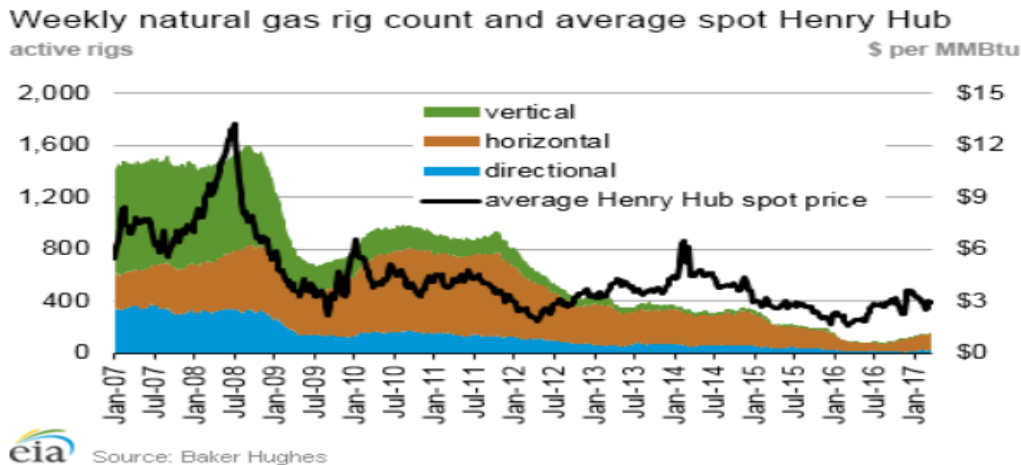
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-04-07	2017-03-31	change
East	266	268	-2
Midwest	476	479	-3
Mountain	141	142	-1
Pacific	221	216	5
South Central	957	946	11
Total	2,061	2,051	10

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*