

National Mining Association

Weekly Statistical Summary

June 23, 2017 Edition
(Data for Week Ending June 17, 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

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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	06/17/17	06/11/16	% Chng	06/17/17	06/17/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,794	13,474	17.2%	360,601	306,977	17.5%
52 Weeks Ended	793,951	776,992	2.2%			
AAR Coal Rail Cars Loaded:	87,066	73,279	18.8%	1,968,877	1,666,308	18.2%
Coal Production Month Ended - May	May 17/16		% Chng	Jan - May 17/16		% Chng
	63,066	53,012	19.0%	322,852	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		
	06/17/17	06/18/16	% Chng	06/17/17	06/18/16	% Chng
EI Electric Total Output (Mil. Kwh)	88,147	84,925	3.8%	1,763,740	1,765,046	-0.1%
EI Coal Region Output (Mil. Kwh)	77,366	74,535	3.8%	1,511,493	1,516,764	-0.3%
AISI Raw Steel Output (000 Tons)	1,739	1,755	-0.9%	41,624	40,627	2.5%

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)	
	06/16/17	06/09/17	% Chng	Wed.	06/14/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.35	\$52.35	0.0%	Henry Hub	2.90
Northern App, 13,000 Btu, < 3.0 SO ₂	45.50	45.50	0.0%	New York	2.11
Illinois Basin, 11,800, 5.0 SO ₂	30.95	30.95	0.0%	Chicago	2.75
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.55	11.55	0.0%	Cal.Comp.Avg.	2.80
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									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	6/17/2017 (week 24)	6/10/2017 (week 23)	6/11/2016 (week 24)	6/17/2017	6/17/2016	% Change	6/17/2017	6/11/2016	% Change
Alabama	183	163	187	4,143	4,301	-3.7	9,129	10,378	-12.0
Alaska	19	19	19	513	500	2.6	962	1,112	-13.5
Arizona	116	113	104	2,631	2,365	11.3	5,782	5,752	0.5
Arkansas	1	1	1	21	24	-12.6	29	71	-59.2
Colorado	246	249	259	5,183	5,054	2.6	12,992	14,268	-8.9
Illinois	988	898	941	22,521	20,674	8.9	46,451	48,196	-3.6
Indiana	659	649	584	14,954	13,034	14.7	31,211	30,300	3.0
Kansas	2	2	.	59	27	118.6	59	132	-55.3
Kentucky Total	848	829	832	19,942	19,613	1.7	43,848	50,414	-13.0
Eastern (KY)	303	298	334	7,263	7,899	-8.0	16,546	21,765	-24.0
Western (KY)	545	531	498	12,679	11,715	8.2	27,302	28,649	-4.7
Louisiana	59	59	58	1,363	1,237	10.2	2,976	3,300	-9.8
Maryland	32	30	25	713	604	18.1	1,706	1,544	10.5
Mississippi	63	60	49	1,454	1,256	15.8	3,112	2,903	7.2
Missouri	7	7	6	140	98	41.7	280	158	77.2
Montana	635	601	521	14,441	12,611	14.5	34,634	35,048	-1.2
New Mexico	221	204	206	5,982	6,348	-5.8	13,161	17,626	-25.3
North Dakota	681	641	542	15,849	12,602	25.8	31,855	27,892	14.2
Ohio	275	270	273	6,775	6,608	2.5	12,991	15,155	-14.3
Oklahoma	14	14	14	336	305	10.0	675	698	-3.3
Pennsylvania Total	1,097	1,091	943	24,097	19,711	22.3	51,107	46,257	10.5
Anthracite (PA)	33	30	34	821	774	6.1	1,711	1,979	-13.5
Bituminous (PA)	1,064	1,061	909	23,276	18,937	22.9	49,396	44,278	11.6
Tennessee	13	12	12	348	354	-1.6	672	845	-20.5
Texas	994	965	740	23,416	17,275	35.5	46,018	38,336	20.0
Utah	338	338	293	7,767	6,272	23.8	15,505	13,876	11.7
Virginia	325	323	276	7,369	5,941	24.0	14,913	13,193	13.0
West Virginia Total	1,836	1,759	1,580	41,430	34,966	18.5	87,935	82,537	6.5
Northern (WV)	1,042	1,017	836	23,727	18,596	27.6	49,384	43,216	14.3
Southern (WV)	794	742	744	17,703	16,370	8.1	38,552	39,321	-2.0
Wyoming	6,140	6,217	5,008	139,154	115,196	20.8	325,948	316,999	2.8
Appalachian Total	4,065	3,947	3,630	92,140	80,384	14.6	195,001	191,674	1.7
Interior Total	3,332	3,187	2,892	76,941	65,646	17.2	158,112	152,745	3.5
Western Total	8,397	8,381	6,953	191,520	160,947	19.0	440,838	432,573	1.9
East of Mississippi River	6,320	6,085	5,702	143,747	127,063	13.1	303,076	301,723	0.4
West of Mississippi River	9,475	9,430	7,772	216,854	179,913	20.5	490,875	475,269	3.3
Bituminous and Lignite	15,761	15,485	13,440	359,779	306,202	17.5	792,240	775,013	2.2
Anthracite	33	30	34	821	774	6.1	1,711	1,979	-13.5
U.S. Total	15,794	15,515	13,474	360,601	306,977	17.5	793,951	776,992	2.2
Railroad Cars Loaded	87,066	85,516	73,279	1,968,877	1,666,308	18.2	4,482,650	4,369,704	2.6

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 24

OUTPUT FOR WEEK ENDED - Jun 17, 2017

Jun 21, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Jun 17, 2017 was 88,147 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 193 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended June 17		52 Weeks Ended June 17	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,566	12.4	123,366	0.2
Mid-Atlantic	9,621	14.5	433,813	1.4
Central Industrial	16,051	13.1	671,977	1.8
West Central	7,489	3.8	330,029	1.1
Southeast	21,820	-3.0	1,024,147	1.9
South Central	16,924	1.3	724,364	3.2
Rocky Mountain	5,461	-1.2	277,678	0.0
Pacific Northwest	2,603	0.5	157,840	3.1
Pacific Southwest	5,612	1.7	281,873	-0.9
Total United States	88,147	3.8	4,025,087	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 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 10	77,385	Jun 11	81,077	-4.6	Jun 10	4,021,865	1.5
Jun 17	88,147	Jun 18	84,925	3.8	Jun 17	4,025,087	1.6
Jun 17	1,763,740	Jun 18	1,765,046	-0.1	YEAR TO DATE, FIRST 24 WEEKS		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
May 27	176	May 28	170	May 30	182
Jun 03	174	Jun 04	171	Jun 06	179
Jun 10	175	Jun 11	171	Jun 13	197
Jun 17	193	Jun 18	175	Jun 20	199

* 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		
	17-Jun 2017 GWh Output	18-Jun 2016 GWh Output	% Increase Over Corresponding Week of 2016	17-Jun 2017 GWh Output	18-Jun 2016 GWh Output	% Increase Over Corresponding Week of 2016	17-Jun 2017 GWh Output	18-Jun 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,566	2,283	12.4%	54,034	54,638	-1.1%	123,366	123,136	0.2%
Mid-Atlantic	9,621	8,401	14.5%	187,604	189,875	-1.2%	433,813	427,720	1.4%
Central Industrial	16,051	14,198	13.1%	299,847	304,706	-1.6%	671,977	660,405	1.8%
West Central	7,489	7,213	3.8%	144,697	145,424	-0.5%	330,029	326,466	1.1%
Southeast	21,820	22,485	-3.0%	448,776	456,591	-1.7%	1,024,147	1,005,351	1.9%
South Central	16,924	16,708	1.3%	311,628	303,598	2.6%	724,364	702,160	3.2%
Rocky Mountain	5,461	5,530	-1.2%	118,941	116,570	2.0%	277,678	277,641	0.0%
Pacific Northwest	2,603	2,590	0.5%	77,260	71,644	7.8%	157,840	153,093	3.1%
Pacific Southwest	5,612	5,517	1.7%	120,953	122,000	-0.9%	281,873	284,517	-0.9%
Total United States ^{1/}	<u>88,147</u>	<u>84,925</u>	3.8%	<u>1,763,740</u>	<u>1,765,046</u>	-0.1%	4,025,087	3,960,489	1.6%
Coal Regions Only ^{2/}	77,366	74,535	3.8%	1,511,493	1,516,764	-0.3%	3,462,008	3,399,743	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*.

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

June 19, 2017

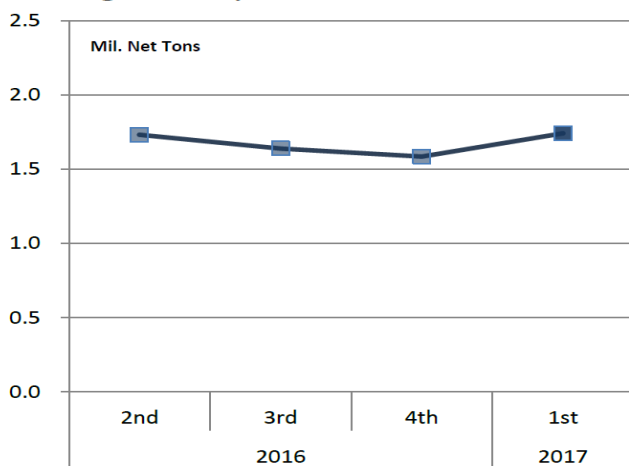
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 17</u>	<u>Jun 10</u>	
<u>Week Ending</u>				North East	206	218
				Great Lakes	660	630
June 17, 2017	1,739	1.2	74.6	Midwest	161	170
June 17, 2016	1,755	-0.9	75.1	Southern	638	623
June 10, 2017	1,718	-1.8	73.7	Western	<u>74</u>	<u>77</u>
				Total	1,739	1,718
<u>Year-to-Date +</u>						
June 17, 2017	41,624	2.5	74.4			
June 17, 2016	40,627	-	72.6			

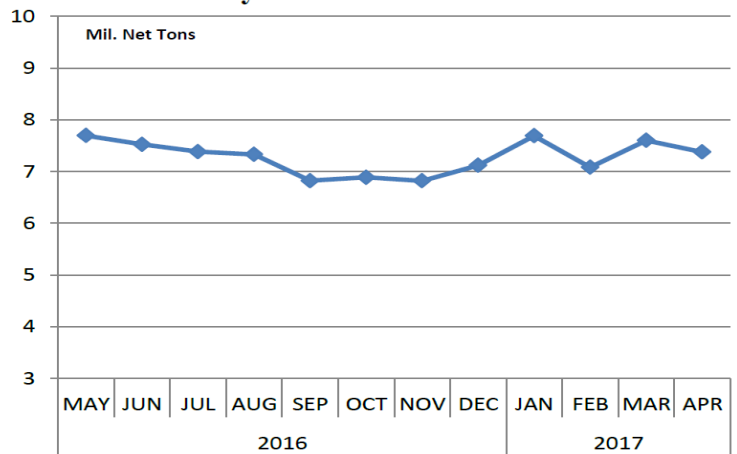
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

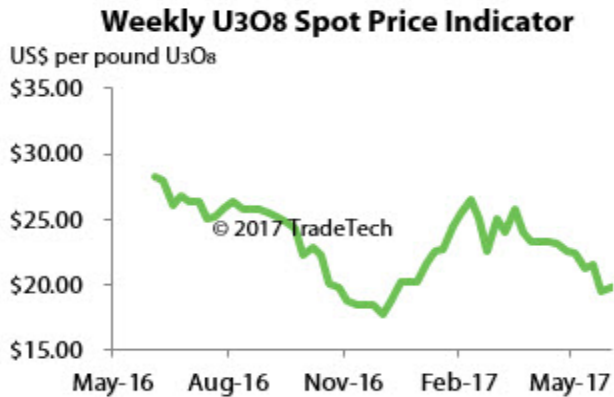


Source: Kitco website - www.kitco.com/connecting.html



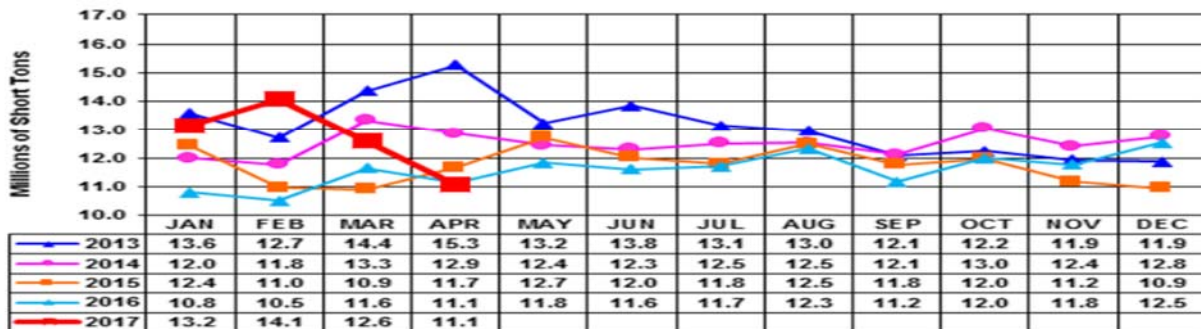
Source: Kitco website - www.kitco.com/connecting.html

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



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
	05/19/17	05/26/17	06/02/17	06/09/17	06/16/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.35	\$52.55	\$52.35	\$52.35	\$52.35	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.50	\$45.65	\$45.50	\$45.50	\$45.50	\$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	\$11.55	\$11.55	\$11.55	\$11.55	\$11.55	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.35	\$40.35	\$40.35	\$40.35	\$40.35	\$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 - March 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Jun 08)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	54	29	46	0	-6	-16
Middle Atlantic	32	15	32	0	-16	-36
E N Central	14	-8	5	21	-4	-6
W N Central	2	-16	-12	46	14	18
South Atlantic	5	-1	5	61	-1	-29
E S Central	2	-2	2	55	-1	-22
W S Central	0	0	0	85	-2	10
Mountain	9	-23	0	60	20	-8
Pacific	6	-16	5	19	2	-32
United States	12	-5	8	38	-1	-17

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	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*

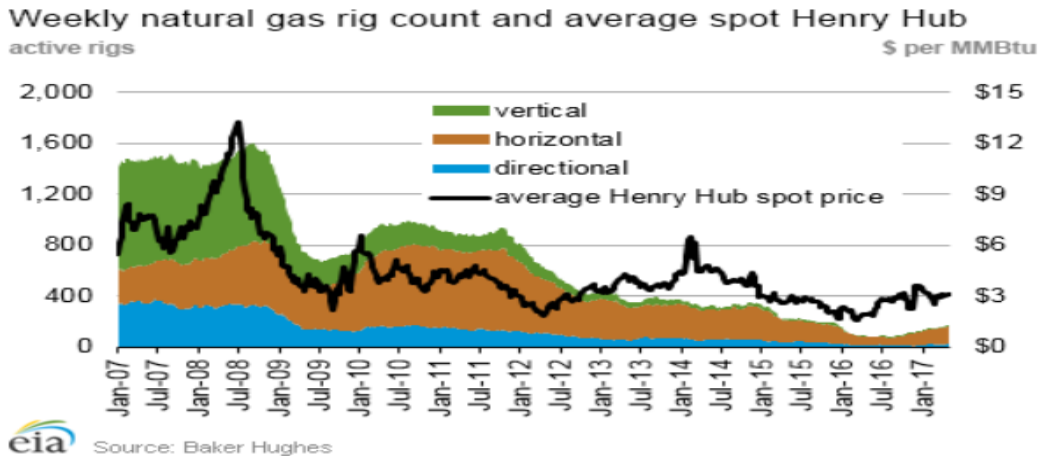
EIA Working Natural Gas Underground Storage

Working gas in underground storage			
Region	Stocks billion cubic feet (Bcf)		
	2017-06-09	2017-06-02	change
East	491	457	34
Midwest	634	614	20
Mountain	177	172	5
Pacific	274	269	5
South Central	1,133	1,119	14
Total	2,709	2,631	78

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		
	June 2017	July 2017	change	June 2017	July 2017	change
Bakken	1,151	1,152	1	1,528	1,529	1
Eagle Ford	1,451	1,451	-	4,615	4,626	11
Haynesville	33	33	-	7,398	7,463	65
Marcellus	70	70	-	13,430	13,472	42
Niobrara	1,288	1,288	-	4,469	4,550	81
Permian	617	602	(15)	1,038	1,013	(25)
Utica	225	237	12	10,647	10,726	79
Rig-weighted average	718	719	1	3,510	3,470	(40)

Source: Energy Information Administration, *Drilling Productivity Report*