

National Mining Association

Weekly Statistical Summary

June 16, 2017 Edition
(Data for Week Ending June 10, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 23
Dated 06/16/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	06/10/17	06/04/16	% Chng	06/10/17	06/10/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,515	12,505	24.1%	344,806	293,130	17.6%
52 Weeks Ended	791,631	778,990	1.6%			
AAR Coal Rail Cars Loaded:	85,516	68,008	25.7%	1,881,811	1,591,004	18.3%
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			Jan - Apr 17/16		
			% Chng			% 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		
	06/10/17	06/11/16	% Chng	06/10/17	06/11/16	% Chng
EI Electric Total Output (Mil. Kwh)	77,385	81,077	-4.6%	1,675,593	1,680,121	-0.3%
EI Coal Region Output (Mil. Kwh)	67,235	70,361	-4.4%	1,434,127	1,442,229	-0.6%
AISI Raw Steel Output (000 Tons)	1,718	1,755	-2.1%	39,885	38,872	2.6%

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)	
	06/09/17	06/02/17	% Chng	Wed.	06/07/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.35	\$52.35	0.0%	Henry Hub	2.99
Northern App, 13,000 Btu, < 3.0 SO ₂	45.50	45.50	0.0%	New York	2.22
Illinois Basin, 11,800, 5.0 SO ₂	30.95	30.95	0.0%	Chicago	2.86
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.55	11.55	0.0%	Cal.Comp.Avg.	2.93
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)	6/10/2017 (week 23)	6/3/2017 (week 22)	6/4/2016 (week 23)	6/10/2017	6/10/2016	% Change	6/10/2017	6/4/2016	% Change
Alabama	163	180	173	3,960	4,109	-3.6	9,133	10,447	-12.6
Alaska	19	16	18	494	480	2.9	963	1,118	-13.9
Arizona	113	111	96	2,515	2,258	11.4	5,770	5,787	-0.3
Arkansas	1	1	1	20	23	-11.3	29	72	-59.7
Colorado	249	230	240	4,937	4,788	3.1	13,004	14,379	-9.6
Illinois	898	976	873	21,533	19,707	9.3	46,404	48,231	-3.8
Indiana	649	612	542	14,295	12,434	15.0	31,136	30,340	2.6
Kansas	2	2	.	56	27	109.5	56	136	-58.8
Kentucky Total	829	781	772	19,094	18,759	1.8	43,832	50,734	-13.6
Eastern (KY)	298	274	310	6,960	7,556	-7.9	16,576	21,973	-24.6
Western (KY)	531	507	462	12,134	11,203	8.3	27,256	28,762	-5.2
Louisiana	59	54	54	1,304	1,177	10.8	2,975	3,292	-9.6
Maryland	30	32	23	681	579	17.7	1,699	1,555	9.3
Mississippi	60	61	45	1,391	1,206	15.3	3,097	2,914	6.3
Missouri	7	7	5	132	93	43.2	279	155	80.0
Montana	601	637	484	13,806	12,075	14.3	34,520	35,239	-2.0
New Mexico	204	204	192	5,761	6,135	-6.1	13,146	17,804	-26.2
North Dakota	641	658	503	15,167	12,044	25.9	31,716	27,847	13.9
Ohio	270	245	253	6,499	6,328	2.7	12,989	15,172	-14.4
Oklahoma	14	13	13	322	291	10.5	675	700	-3.6
Pennsylvania Total	1,091	1,024	876	23,000	18,742	22.7	50,953	46,185	10.3
Anthracite (PA)	30	33	32	788	739	6.7	1,712	1,982	-13.6
Bituminous (PA)	1,061	991	844	22,212	18,003	23.4	49,242	44,204	11.4
Tennessee	12	12	11	335	341	-1.8	672	849	-20.8
Texas	965	939	687	22,422	16,515	35.8	45,765	38,148	20.0
Utah	338	307	272	7,429	5,971	24.4	15,459	13,845	11.7
Virginia	323	301	257	7,044	5,657	24.5	14,864	13,184	12.7
West Virginia Total	1,759	1,774	1,466	39,594	33,343	18.8	87,679	82,669	6.1
Northern (WV)	1,017	996	776	22,685	17,737	27.9	49,178	43,182	13.9
Southern (WV)	742	778	690	16,909	15,605	8.4	38,501	39,486	-2.5
Wyoming	6,217	5,800	4,648	133,014	110,049	20.9	324,816	318,187	2.1
Appalachian Total	3,947	3,842	3,369	88,075	76,654	14.9	194,566	192,034	1.3
Interior Total	3,187	3,170	2,684	73,609	62,674	17.4	157,672	152,750	3.2
Western Total	8,381	7,963	6,453	183,123	153,802	19.1	439,393	434,206	1.2
East of Mississippi River	6,085	5,997	5,292	137,427	121,204	13.4	302,459	302,281	0.1
West of Mississippi River	9,430	8,978	7,213	207,379	171,926	20.6	489,173	476,709	2.6
Bituminous and Lignite	15,485	14,941	12,473	344,018	292,391	17.7	789,919	777,008	1.7
Anthracite	30	33	32	788	739	6.7	1,712	1,982	-13.6
U.S. Total	15,515	14,974	12,505	344,806	293,130	17.6	791,631	778,990	1.6
Railroad Cars Loaded	85,516	82,523	68,008	1,881,811	1,591,004	18.3	4,468,863	4,386,119	1.9

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 23

OUTPUT FOR WEEK ENDED - Jun 10, 2017

Jun 14, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Jun 10, 2017** was **77,385** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **175** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended June 10		52 Weeks Ended June 10	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,109	-6.1	123,083	-0.1
Mid-Atlantic	7,481	-8.8	432,593	0.9
Central Industrial	12,845	-3.0	670,123	1.5
West Central	6,806	1.9	329,754	1.2
Southeast	19,617	-7.3	1,024,812	1.9
South Central	14,822	-2.4	724,148	3.4
Rocky Mountain	5,664	-3.8	277,747	-0.2
Pacific Northwest	2,657	-4.0	157,828	3.1
Pacific Southwest	5,384	-5.6	281,778	-1.1
Total United States	77,385	-4.6	4,021,865	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)
May 20	76,445	May 21	68,783	11.1	May 20	4,032,404	1.8
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 10	1,675,593	Jun 11	1,680,121	-0.3	YEAR TO DATE, FIRST 23 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
May 20	187	May 21	161	May 23	165
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

* 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		
	10-Jun 2017 GWh Output	11-Jun 2016 GWh Output	% Increase Over Corresponding Week of 2016	10-Jun 2017 GWh Output	11-Jun 2016 GWh Output	% Increase Over Corresponding Week of 2016	10-Jun 2017 GWh Output	11-Jun 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,109	2,245	-6.1%	51,468	52,355	-1.7%	123,083	123,212	-0.1%
Mid-Atlantic	7,481	8,206	-8.8%	177,983	181,474	-1.9%	432,593	428,873	0.9%
Central Industrial	12,845	13,244	-3.0%	283,796	290,508	-2.3%	670,123	659,911	1.5%
West Central	6,806	6,678	1.9%	137,208	138,211	-0.7%	329,754	325,868	1.2%
Southeast	19,617	21,166	-7.3%	426,956	434,106	-1.6%	1,024,812	1,005,808	1.9%
South Central	14,822	15,181	-2.4%	294,704	286,890	2.7%	724,148	700,522	3.4%
Rocky Mountain	5,664	5,886	-3.8%	113,480	111,040	2.2%	277,747	278,209	-0.2%
Pacific Northwest	2,657	2,768	-4.0%	74,657	69,054	8.1%	157,828	153,150	3.1%
Pacific Southwest	5,384	5,703	-5.6%	115,341	116,483	-1.0%	281,778	284,982	-1.1%
Total United States ^{1/}	<u>77,385</u>	<u>81,077</u>	-4.6%	<u>1,675,593</u>	<u>1,680,121</u>	<u>-0.3%</u>	4,021,866	3,960,535	1.5%
Coal Regions Only ^{2/}	67,235	70,361	-4.4%	1,434,127	1,442,229	-0.6%	3,459,177	3,399,191	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*.

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June 12, 2017

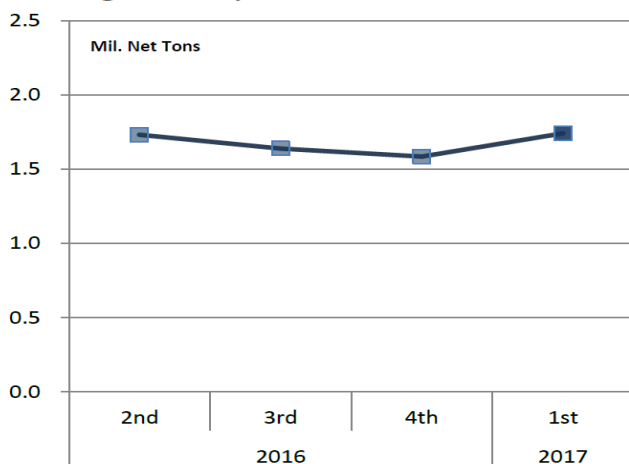
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 10</u>	<u>Jun 3</u>	
<u>Week Ending</u>				North East	218	215
				Great Lakes	630	621
June 10, 2017	1,718	-1.8	73.7	Midwest	170	171
June 10, 2016	1,755	-2.1	75.1	Southern	623	665
June 3, 2017	1,749	-0.2	75.0	Western	<u>77</u>	<u>77</u>
				Total	1,718	1,749
<u>Year-to-Date +</u>						
June 10, 2017	39,885	2.6	74.4			
June 10, 2016	38,872	-	72.6			

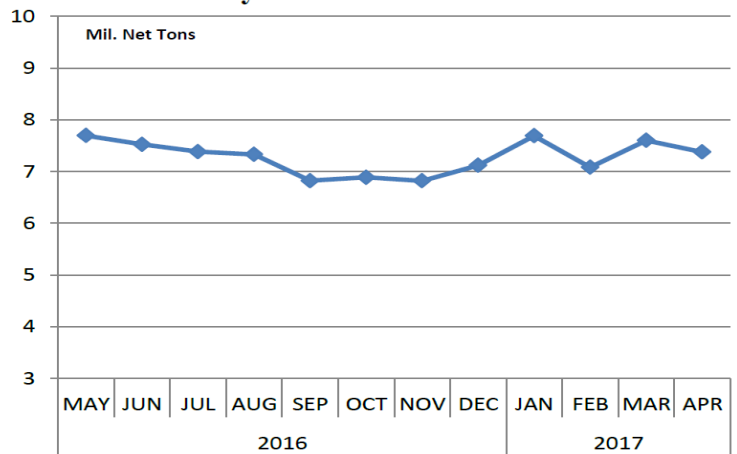
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

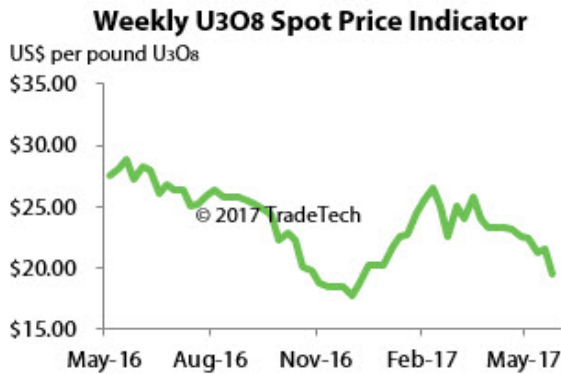


Source: Kitco website - www.kitco.com/connecting.html



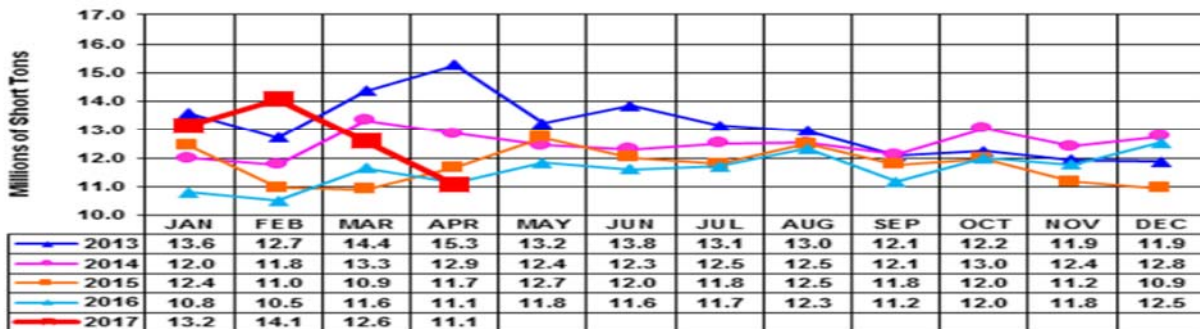
Source: Kitco website - www.kitco.com/connecting.html

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

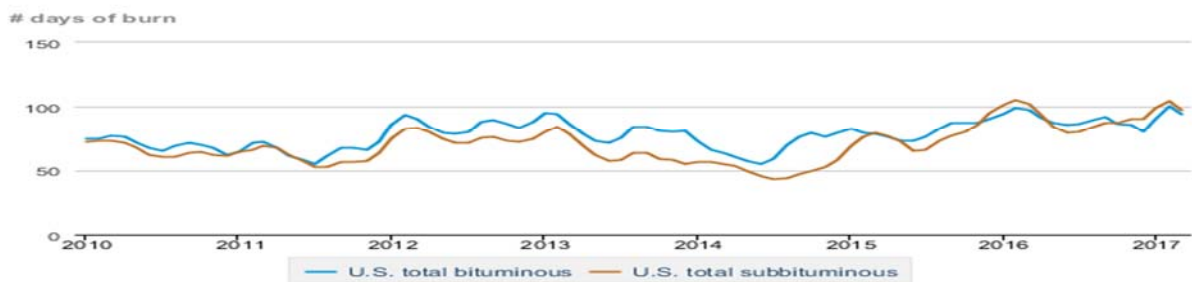
Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago change
	05/12/17	05/19/17	05/26/17	06/02/17	06/09/17	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.35	\$52.35	\$52.55	\$52.35	\$52.35	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.50	\$45.50	\$45.65	\$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: 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 - March 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Jun 01)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	50	15	48	0	-4	-32
Middle Atlantic	22	-4	21	1	-10	-57
E N Central	23	-8	21	6	-14	-46
W N Central	26	-1	18	16	-10	-18
South Atlantic	2	-7	2	65	10	-6
E S Central	2	-6	2	51	4	-18
W S Central	0	-1	0	87	11	2
Mountain	32	-8	-13	36	3	16
Pacific	9	-18	-9	4	-9	-3
United States	17	-7	9	30	-3	-20

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

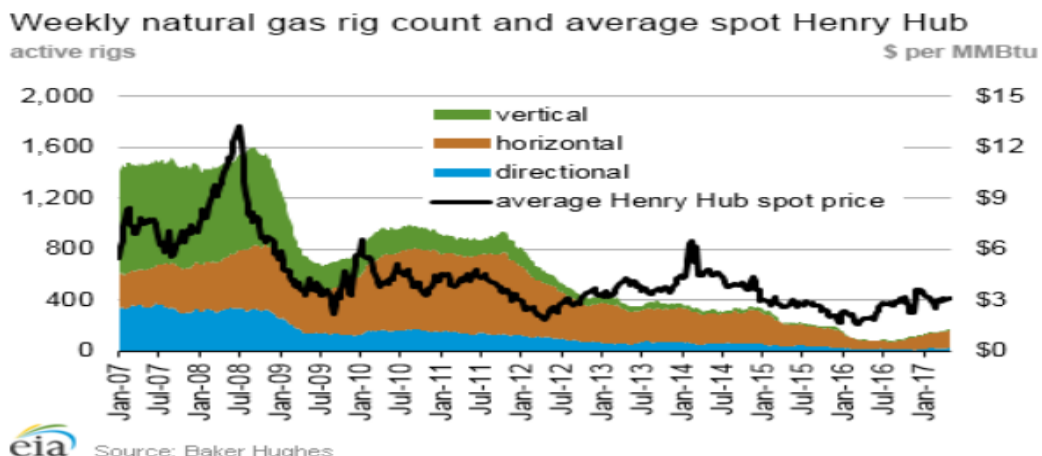
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-06-02	2017-05-26	change
East	457	419	38
Midwest	614	585	29
Mountain	172	166	6
Pacific	269	258	11
South Central	1,119	1,097	22
Total	2,631	2,525	106

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*