

National Mining Association

Weekly Statistical Summary

August 4, 2017 Edition
(Data for Week Ending July 29, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 30
Dated 08/04/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	07/29/17	07/23/16	% Chng	07/29/17	07/29/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	16,142	14,273	13.1%	449,691	391,508	14.9%
52 Weeks Ended	799,819	761,410	5.0%			
AAR Coal Rail Cars Loaded:	92,430	83,677	10.5%	2,486,816	2,152,538	15.5%
DOC Coal Trade (000 Tons)						
Exports:						
	May 17/16		% Chng	Jan - May 17/16		% Chng
Metallurgical	4,563	3,275	39.3%	21,345	16,792	27.1%
Steam *	2,660	928	186.6%	15,303	5,903	159.2%
Lignite	6	5	20.0%	31	28	10.7%
Anthracite	17	4	325.0%	127	242	-47.5%
Total	7,246	4,212	72.0%	36,806	22,965	60.3%
Imports:						
	1,053	910	15.7%	3,461	4,348	-20.4%
EI Electric Total Output (Mil. Kwh)						
	Week Ended		% Chng	Cumulative Week 1 to		% Chng
	07/29/17	07/30/16	% Chng	07/29/17	07/30/16	% Chng
EI Electric Total Output (Mil. Kwh)	90,617	96,099	-5.7%	2,296,873	2,310,575	-0.6%
EI Coal Region Output (Mil. Kwh)	78,830	82,937	-5.0%	1,973,156	1,990,688	-0.9%
AISI Raw Steel Output (000 Tons)	1,769	1,667	6.1%	52,108	50,793	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)	
	07/28/17	07/21/17	% Chng	Wed.	07/26/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.70	\$52.70	0.0%	Henry Hub	2.92
Northern App, 13,000 Btu, < 3.0 SO ₂	45.75	45.75	0.0%	New York	1.74
Illinois Basin, 11,800, 5.0 SO ₂	30.70	30.70	0.0%	Chicago	2.78
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.28	11.28	0.0%	Cal.Comp.Avg.	2.96
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.70	40.70	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)	7/29/2017 (week 30)	7/22/2017 (week 29)	7/23/2016 (week 30)	7/29/2017	7/29/2016	% Change	7/29/2017	7/23/2016	% Change
Alabama	185	185	138	6,155	5,229	17.7	10,176	9,879	3.0
Alaska	15	14	13	536	592	-9.4	889	1,081	-17.8
Arizona	124	119	107	3,548	3,006	18.0	6,066	5,591	8.5
Arkansas	s	s	s	21	27	-21.7	25	64	-60.9
Colorado	289	267	223	7,905	6,471	22.2	14,274	13,444	6.2
Illinois	888	844	742	27,801	25,390	9.5	46,679	47,071	-0.8
Indiana	629	598	533	18,693	16,351	14.3	31,610	29,799	6.1
Kansas	.	.	.	29	27	8.9	29	113	-74.3
Kentucky Total	817	771	753	24,703	24,443	1.1	43,872	48,400	-9.4
Eastern (KY)	295	274	279	9,408	9,668	-2.7	16,827	20,425	-17.6
Western (KY)	523	496	474	15,295	14,775	3.5	27,046	27,975	-3.3
Louisiana	58	53	47	1,888	1,542	22.4	3,187	3,177	0.3
Maryland	37	36	32	914	781	17.1	1,738	1,511	15.0
Mississippi	62	60	56	1,733	1,580	9.7	3,075	2,835	8.5
Missouri	7	7	5	172	129	33.8	282	171	64.9
Montana	701	686	680	17,664	16,401	7.7	34,237	33,938	0.9
New Mexico	209	212	212	7,142	7,615	-6.2	13,067	16,496	-20.8
North Dakota	615	591	512	17,696	15,749	12.4	30,548	27,872	9.6
Ohio	204	194	217	6,269	8,028	-21.9	11,025	14,778	-25.4
Oklahoma	12	11	10	332	374	-11.2	600	685	-12.4
Pennsylvania Total	1,067	1,003	836	29,892	24,966	19.7	51,583	45,781	12.7
Anthracite (PA)	31	30	27	1,036	950	9.0	1,743	1,914	-8.9
Bituminous (PA)	1,036	973	809	28,856	24,016	20.2	49,839	43,866	13.6
Tennessee	10	10	11	340	382	-11.0	594	769	-22.8
Texas	850	814	746	23,810	21,763	9.4	41,961	38,627	8.6
Utah	299	278	236	8,696	7,807	11.4	14,858	13,835	7.4
Virginia	307	291	246	8,793	7,544	16.6	14,811	13,251	11.8
West Virginia Total	1,835	1,762	1,519	52,817	44,257	19.3	90,048	81,626	10.3
Northern (WV)	1,037	997	860	29,208	23,737	23.1	49,785	43,400	14.7
Southern (WV)	798	765	659	23,608	20,520	15.1	40,263	38,227	5.3
Wyoming	6,922	6,665	6,398	182,140	151,056	20.6	334,587	310,618	7.7
Appalachian Total	3,940	3,755	3,278	114,589	100,854	13.6	196,801	188,020	4.7
Interior Total	3,028	2,884	2,613	89,775	81,958	9.5	154,493	150,516	2.6
Western Total	9,173	8,831	8,382	245,327	208,696	17.6	448,526	422,874	6.1
East of Mississippi River	6,041	5,753	5,083	178,111	158,949	12.1	305,210	295,700	3.2
West of Mississippi River	10,100	9,716	9,190	271,580	232,559	16.8	494,609	465,711	6.2
Bituminous and Lignite	16,111	15,440	14,246	448,655	390,558	14.9	798,076	759,496	5.1
Anthracite	31	30	27	1,036	950	9.0	1,743	1,914	-8.9
U.S. Total	16,142	15,469	14,273	449,691	391,508	14.9	799,819	761,410	5.0
Railroad Cars Loaded	92,430	88,304	83,677	2,486,816	2,152,538	15.5	4,527,168	4,275,571	5.9

Source: Energy Information Administration



Weekly Electric Output

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OUTPUT FOR WEEK ENDED - Jul 29, 2017

Aug 02, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Jul 29, 2017 was **90,617** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **179** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended July 29		52 Weeks Ended July 29	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,335	-23.9	122,350	-1.0
Mid-Atlantic	8,895	-18.2	431,689	0.5
Central Industrial	13,755	-10.5	667,446	0.1
West Central	7,555	-2.6	328,020	0.0
Southeast	24,000	-3.2	1,021,153	1.1
South Central	18,109	6.0	723,251	2.4
Rocky Mountain	6,516	-7.4	278,189	-0.5
Pacific Northwest	2,864	-0.1	158,567	4.1
Pacific Southwest	6,588	-8.8	282,025	-1.5
Total United States	90,617	-5.7	4,012,691	0.8

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Jul 08	87,622	Jul 09	88,147	-0.6	Jul 08	4,019,176	1.2
Jul 15	90,927	Jul 16	91,030	-0.1	Jul 15	4,019,073	1.1
Jul 22	94,541	Jul 23	95,441	-0.9	Jul 22	4,018,173	1.0
Jul 29	90,617	Jul 30	96,099	-5.7	Jul 29	4,012,690	0.8
Jul 29	2,296,873	Jul 30	2,310,575	-0.6	YEAR TO DATE, FIRST 30 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Jul 08	188	Jul 09	174	Jul 11	209
Jul 15	188	Jul 16	169	Jul 18	209
Jul 22	186	Jul 23	178	Jul 25	216
Jul 29	179	Jul 30	176	Aug 01	216

* 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		
	29-Jul 2017 GWh Output	30-Jul 2016 GWh Output	% Increase Over Corresponding Week of 2016	29-Jul 2017 GWh Output	30-Jul 2016 GWh Output	% Increase Over Corresponding Week of 2016	29-Jul 2017 GWh Output	30-Jul 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,335	3,069	-23.9%	69,450	71,070	-2.3%	122,350	123,566	-1.0%
Mid-Atlantic	8,895	10,880	-18.2%	244,973	249,368	-1.8%	431,689	429,526	0.5%
Central Industrial	13,755	15,377	-10.5%	382,775	392,166	-2.4%	667,446	666,571	0.1%
West Central	7,555	7,756	-2.6%	187,818	190,555	-1.4%	328,020	328,131	0.0%
Southeast	24,000	24,803	-3.2%	584,777	595,584	-1.8%	1,021,153	1,009,554	1.1%
South Central	18,109	17,080	6.0%	414,865	407,948	1.7%	723,251	706,392	2.4%
Rocky Mountain	6,516	7,041	-7.5%	157,948	155,067	1.9%	278,189	279,610	-0.5%
Pacific Northwest	2,864	2,867	-0.1%	93,975	87,631	7.2%	158,567	152,273	4.1%
Pacific Southwest	6,588	7,226	-8.8%	160,293	161,186	-0.6%	282,025	286,305	-1.5%
Total United States ^{1/}	<u>90,617</u>	<u>96,099</u>	-5.7%	<u>2,296,874</u>	<u>2,310,575</u>	<u>-0.6%</u>	4,012,690	3,981,928	0.8%
Coal Regions Only ^{2/}	78,830	82,937	-5.0%	1,973,156	1,990,688	-0.9%	3,449,748	3,419,784	0.9%

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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July 31, 2017

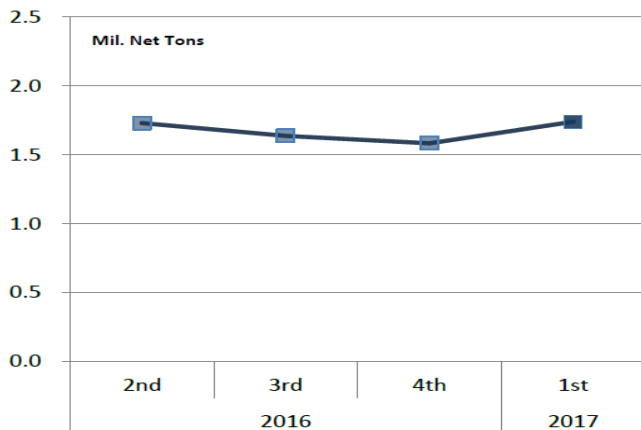
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 July 29</u>	<u>Jul 22</u>	
<u>Week Ending</u>				North East	213	214
				Great Lakes	672	677
July 29, 2017	1,769	-0.2	75.9	Midwest	168	166
July 29, 2016	1,667	6.1	71.3	Southern	640	637
July 22, 2017	1,773	0.6	76.1	Western	<u>76</u>	<u>79</u>
				Total	1,769	1,773
<u>Year-to-Date +</u>						
July 22, 2017	52,108	2.6	74.5			
July 22, 2016	50,793	-	72.4			

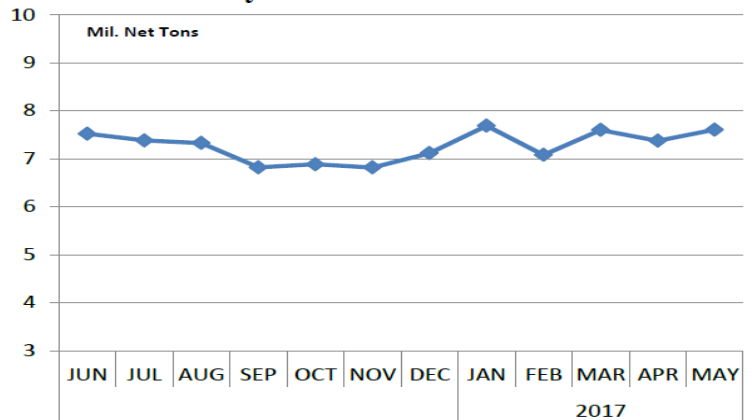
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

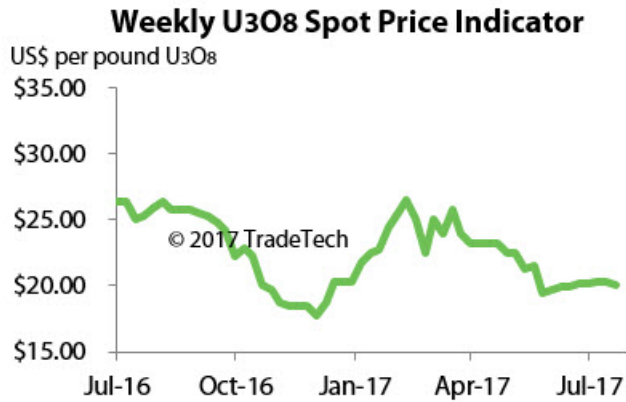


Source: Kitco website - www.kitco.com/connecting.html



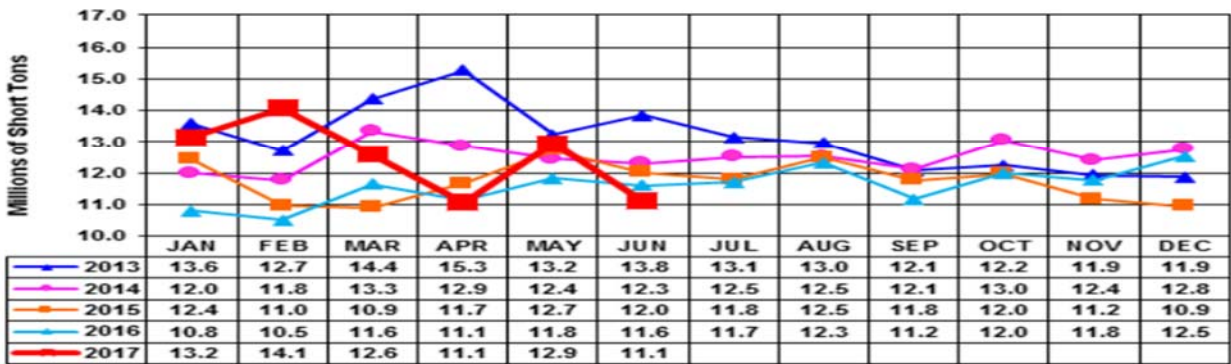
Source: Kitco website - www.kitco.com/connecting.html

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
	06/30/17	07/07/17	07/14/17	07/21/17	07/28/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.55	\$52.75	\$52.75	\$52.70	\$52.70	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.65	\$45.80	\$45.80	\$45.75	\$45.75	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$30.95	\$30.70	\$30.70	\$30.70	\$30.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.55	\$11.65	\$11.65	\$11.28	\$11.28	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.35	\$40.70	\$40.70	\$40.70	\$40.70	\$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 - May 2017



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Jul 20)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	4	3	4	57	14	-21
Middle Atlantic	0	-1	0	73	15	-13
E N Central	2	0	1	56	-1	-6
W N Central	1	-3	-1	85	13	19
South Atlantic	0	0	0	111	14	-5
E S Central	0	0	0	104	9	-4
W S Central	0	0	0	131	6	-7
Mountain	0	-4	-1	92	13	1
Pacific	1	-3	-1	68	25	19
United States	1	-1	0	86	12	-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	2017 Year to Date - 1st Quarter	2016 Year to Date - 1st Quarter	Percent Change
Aluminum, secondary (000 Mt.)	244.0	242.0	1%
Cement (Mil. Mt.)	17.0	16.9	1%
Copper (000 Mt.)	324.0	362.0	-10%
Gold (Mt.)	56.5	51.6	9%
Gypsum (Mil. Mt.)	4.0	4.1	-2%
Iron Ore (Mil. Mt.)	10.4	9.2	13%
Lead (000 Mt.)	83.2	91.8	-9%
Molybdenum (000 Mt.)	9.9	8.7	14%
Phosphate rock (Mil. Mt.)	6.7	6.2	8%
Sand & gravel, construction (Mil. Mt.)	165.0	172.0	-4%
Silver (Mt.)	303.0	286.0	6%
Soda ash (Mil. Mt.)	2.9	2.9	0%
Stone, crushed (Mil. Mt.)	261.0	267.0	-2%
Zinc (000 Mt.)	169.0	204.0	-17%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2017 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	May 2017		May 2016			April 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	4,468	73	7,460	115	-40.1%	4,712	81	-5.2%
	Subbituminous	142	225	171	184	-17.0%	145	226	-2.0%
South	Bituminous	32,039	72	37,358	83	-14.2%	32,491	82	-1.4%
	Subbituminous	6,379	61	7,959	82	-19.8%	6,518	71	-2.1%
Midwest	Bituminous	15,530	80	18,853	92	-17.6%	15,362	89	1.1%
	Subbituminous	42,418	76	47,382	80	-10.5%	43,658	88	-2.8%
West	Bituminous	6,048	86	5,861	76	3.2%	5,924	90	2.1%
	Subbituminous	31,509	78	39,310	91	-19.8%	32,205	89	-2.2%
U.S. Total	Bituminous	58,085	76	69,532	87	-16.5%	58,489	84	-0.7%
	Subbituminous	80,448	75	94,822	84	-15.2%	82,525	87	-2.5%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

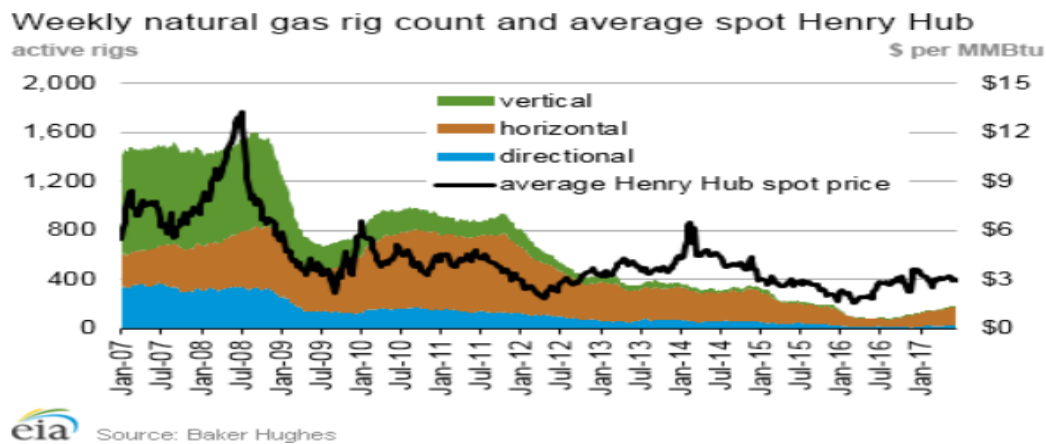
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-07-21	2017-07-14	change
East	626	609	17
Midwest	744	733	11
Mountain	197	194	3
Pacific	294	292	2
South Central	1,129	1,145	-16
Total	2,990	2,973	17

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		
	July 2017	August 2017	change	July 2017	August 2017	change
Bakken	1,169	1,173	4	1,548	1,551	3
Eagle Ford	1,433	1,410	(23)	4,582	4,595	13
Haynesville	33	33	-	7,455	7,517	62
Marcellus	70	70	-	15,149	15,168	19
Niobrara	1,288	1,289	1	4,550	4,603	53
Permian	607	597	(10)	1,020	1,005	(15)
Utica	247	259	12	10,739	10,815	76
Total	720	713	(7)	3,584	3,604	20

Source: Energy Information Administration, *Drilling Productivity Report*