

National Mining Association

Weekly Statistical Summary

September 1, 2017 Edition
(Data for Week Ending August 26, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/26/17	08/20/16	% Chng	08/26/17	08/26/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	16,743	15,283	9.6%	516,055	452,765	14.0%
52 Weeks Ended	805,095	748,353	7.6%			
AAR Coal Rail Cars Loaded:	96,317	89,599	7.5%	2,868,116	2,511,671	14.2%
Coal Production						
Month Ended - July	July 17/16		% Chng	Jan - Jul 17/16		% Chng
	66,829	61,796	8.1%	454,045	395,339	14.8%
DOC Coal Trade (000 Tons)						
Exports:						
	June 17/16		% Chng	Jan - June 17/16		% Chng
Metallurgical	4,277	3,423	24.9%	25,622	20,215	26.7%
Steam *	3,032	1,960	54.7%	18,335	7,863	133.2%
Lignite	8	6	33.3%	39	34	14.7%
Anthracite	6	46	-87.0%	133	288	-53.8%
Total	7,323	5,435	34.7%	44,129	28,400	55.4%
Imports:						
	651	641	1.6%	4,112	4,989	-17.6%
EI Electric Total Output (Mil. Kwh)						
	Week Ended			Cumulative Week 1 to		
	08/26/17	08/27/16	% Chng	08/26/17	08/27/16	% Chng
EEI Electric Total Output (Mil. Kwh)	85,068	86,862	-2.1%	2,640,073	2,673,867	-1.3%
EEI Coal Region Output (Mil. Kwh)	73,741	75,295	-2.1%	2,269,452	2,305,816	-1.6%
AISI Raw Steel Output (000 Tons)	1,740	1,655	5.1%	59,153	57,416	3.0%

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)	
	08/18/17	08/25/17	% Chng	Wed.	08/23/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.60	\$52.60	0.0%	Henry Hub	2.92
Northern App, 13,000 Btu, < 3.0 SO ₂	45.65	45.65	0.0%	New York	2.53
Illinois Basin, 11,800, 5.0 SO ₂	30.70	30.70	0.0%	Chicago	2.84
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.55	11.55	0.0%	Cal.Comp.Avg.	2.98
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



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National Mining Association Web Site: [http:// www.nma.org](http://www.nma.org)

EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	8/26/2017 (week 34)	8/19/2017 (week 33)	8/20/2016 (week 34)	8/26/2017	8/26/2016	% Change	8/26/2017	8/20/2016	% Change
Alabama	181	195	148	6,901	5,820	18.6	10,332	9,448	9.4
Alaska	15	16	14	596	650	-8.2	892	1,058	-15.7
Arizona	125	130	115	4,050	3,467	16.8	6,108	5,499	11.1
Arkansas	s	s	s	23	28	-19.0	25	57	-56.1
Colorado	312	304	239	9,106	7,430	22.6	14,519	12,747	13.9
Illinois	891	936	795	31,384	28,575	9.8	47,085	45,867	2.7
Indiana	639	663	570	21,247	18,637	14.0	31,883	29,264	8.9
Kansas	.	.	.	29	27	8.9	29	100	-71.0
Kentucky Total	846	862	806	28,047	27,675	1.3	43,994	46,681	-5.8
Eastern (KY)	309	311	299	10,618	10,865	-2.3	16,843	19,403	-13.2
Western (KY)	537	551	508	17,429	16,810	3.7	27,151	27,278	-0.5
Louisiana	61	61	50	2,126	1,743	21.9	3,224	2,993	7.7
Maryland	40	39	34	1,071	916	16.9	1,760	1,506	16.9
Mississippi	64	65	60	1,987	1,820	9.2	3,090	2,786	10.9
Missouri	7	7	5	201	149	34.6	290	179	62.0
Montana	735	740	728	20,576	19,320	6.5	34,239	33,214	3.1
New Mexico	211	220	227	8,001	8,523	-6.1	13,020	15,647	-16.8
North Dakota	628	649	548	20,207	17,945	12.6	30,869	27,683	11.5
Ohio	196	215	232	7,075	8,959	-21.0	10,902	14,336	-24.0
Oklahoma	12	12	11	379	418	-9.3	603	670	-10.0
Pennsylvania Total	1,111	1,125	895	34,266	28,553	20.0	52,379	44,905	16.6
Anthracite (PA)	31	33	28	1,160	1,064	9.1	1,754	1,840	-4.7
Bituminous (PA)	1,080	1,093	867	33,106	27,489	20.4	50,625	43,065	17.6
Tennessee	10	11	12	380	431	-11.8	585	741	-21.1
Texas	873	897	798	27,287	24,963	9.3	42,246	38,397	10.0
Utah	310	315	253	9,916	8,819	12.4	15,068	13,655	10.3
Virginia	312	324	264	10,040	8,601	16.7	15,004	13,201	13.7
West Virginia Total	1,867	1,935	1,627	60,294	50,777	18.7	91,023	80,826	12.6
Northern (WV)	1,058	1,093	921	33,440	27,427	21.9	50,336	43,507	15.7
Southern (WV)	810	842	706	26,854	23,350	15.0	40,687	37,319	9.0
Wyoming	7,297	7,301	6,851	210,863	178,517	18.1	335,924	306,894	9.5
Appalachian Total	4,026	4,156	3,510	130,646	114,922	13.7	198,828	184,365	7.8
Interior Total	3,083	3,194	2,798	102,092	93,171	9.6	155,627	147,590	5.4
Western Total	9,634	9,675	8,975	283,316	244,671	15.8	450,640	416,397	8.2
East of Mississippi River	6,157	6,372	5,443	202,694	180,765	12.1	308,037	289,560	6.4
West of Mississippi River	10,587	10,653	9,840	313,361	272,000	15.2	497,058	458,793	8.3
Bituminous and Lignite	16,713	16,992	15,254	514,895	451,701	14.0	803,341	746,513	7.6
Anthracite	31	33	28	1,160	1,064	9.1	1,754	1,840	-4.7
U.S. Total	16,743	17,025	15,283	516,055	452,765	14.0	805,095	748,353	7.6
Railroad Cars Loaded	96,317	97,873	89,599	2,868,116	2,511,671	14.2	4,550,324	4,211,139	8.1

Source: Energy Information Administration

s = Value is less than 0.5 of the table metric, but value is included in any associated totals.



Weekly Electric Output

Volume 85 No. 34

OUTPUT FOR WEEK ENDED - Aug 26, 2017

Aug 30, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Aug 26, 2017** was **85,068** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **173** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended August 26		52 Weeks Ended August 26	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,542	-7.6	121,090	-2.3
Mid-Atlantic	9,192	-6.5	426,632	-1.5
Central Industrial	13,184	-7.2	660,584	-1.8
West Central	6,541	-2.6	325,265	-1.3
Southeast	22,350	-2.5	1,016,893	0.1
South Central	16,022	2.3	723,403	2.5
Rocky Mountain	6,452	8.3	278,139	-0.2
Pacific Northwest	2,620	-2.5	158,746	4.2
Pacific Southwest	6,165	0.6	281,847	-1.5
Total United States	85,068	-2.1	3,992,599	-0.1

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Aug 05	86,273	Aug 06	92,495	-6.7	Aug 05	4,006,469	0.5
Aug 12	84,069	Aug 13	93,832	-10.4	Aug 12	3,996,706	0.1
Aug 19	87,790	Aug 20	90,103	-2.6	Aug 19	3,994,393	0.0
Aug 26	85,068	Aug 27	86,862	-2.1	Aug 26	3,992,599	-0.1
Aug 26	2,640,073	Aug 27	2,673,867	-1.3	YEAR TO DATE, FIRST 34 WEEKS		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
Aug 05	170	Aug 06	172	Aug 08	210
Aug 12	166	Aug 13	189	Aug 15	203
Aug 19	178	Aug 20	181	Aug 22	207
Aug 26	173	Aug 27	178	Aug 29	201

* 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		
	26-Aug 2017 GWh Output	27-Aug 2016 GWh Output	% Increase Over Corresponding Week of 2016	26-Aug 2017 GWh Output	27-Aug 2016 GWh Output	% Increase Over Corresponding Week of 2016	26-Aug 2017 GWh Output	27-Aug 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,542	2,752	-7.6%	79,647	82,528	-3.5%	121,090	123,941	-2.3%
Mid-Atlantic	9,192	9,828	-6.5%	281,747	291,197	-3.2%	426,632	433,079	-1.5%
Central Industrial	13,184	14,207	-7.2%	436,061	452,314	-3.6%	660,584	672,458	-1.8%
West Central	6,541	6,718	-2.6%	214,283	219,776	-2.5%	325,265	329,666	-1.3%
Southeast	22,350	22,917	-2.5%	672,534	687,602	-2.2%	1,016,893	1,015,528	0.1%
South Central	16,022	15,666	2.3%	481,863	474,794	1.5%	723,403	705,557	2.5%
Rocky Mountain	6,452	5,959	8.3%	182,964	180,133	1.6%	278,139	278,605	-0.2%
Pacific Northwest	2,620	2,686	-2.5%	105,073	98,550	6.6%	158,746	152,402	4.2%
Pacific Southwest	6,165	6,129	0.6%	185,902	186,973	-0.6%	281,847	286,139	-1.5%
Total United States ^{1/}	<u>85,068</u>	<u>86,862</u>	-2.1%	<u>2,640,074</u>	<u>2,673,867</u>	-1.3%	3,992,599	3,997,375	-0.1%
Coal Regions Only ^{2/}	73,741	75,295	-2.1%	2,269,452	2,305,816	-1.6%	3,430,916	3,434,893	-0.1%

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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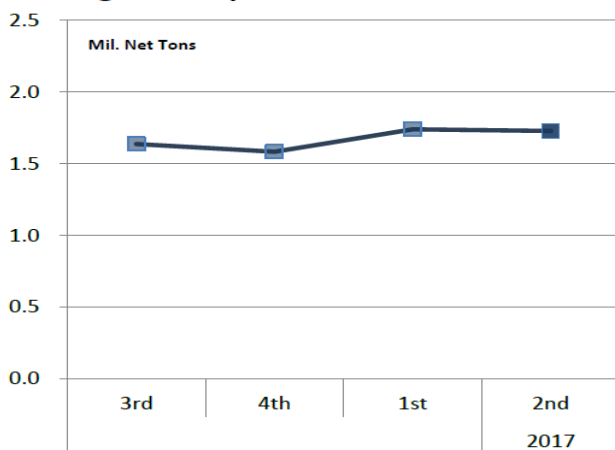
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Aug 26</u>	<u>Week Ending Aug 19</u>	
<u>Week Ending</u>				North East	197	205
				Great Lakes	662	679
August 26, 2017	1,740	-1.3	74.6	Midwest	165	164
August 26, 2016	1,655	5.1	70.8	Southern	641	638
August 19, 2017	1,763	-1.0	75.6	Western	<u>75</u>	<u>77</u>
				Total	1,740	1,763
<u>Year-to-Date +</u>						
August 26, 2017	59,153	3.0	74.6			
August 26, 2016	57,416	-	72.2			

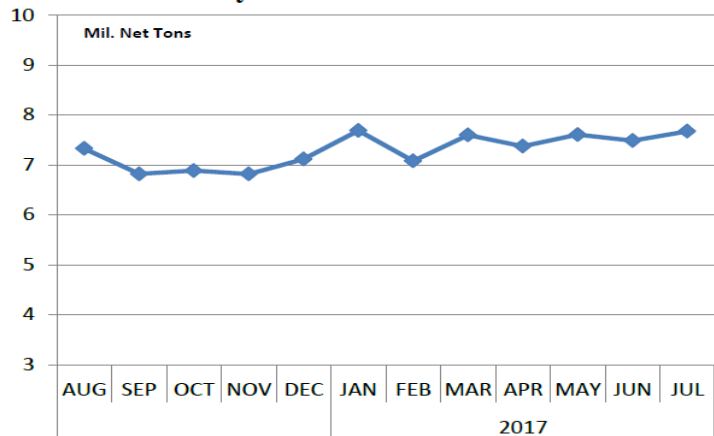
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 third quarter 2017 is approximately 30.6 million net tons vs. 30.7 million net tons for the same period last year, and 30.3 million tons for the second 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

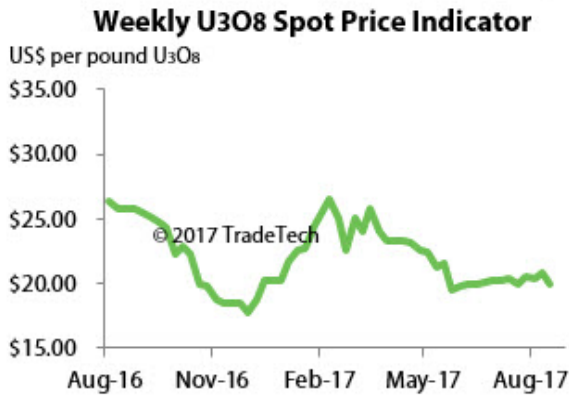


Source: Kitco website - www.kitco.com/connecting.html



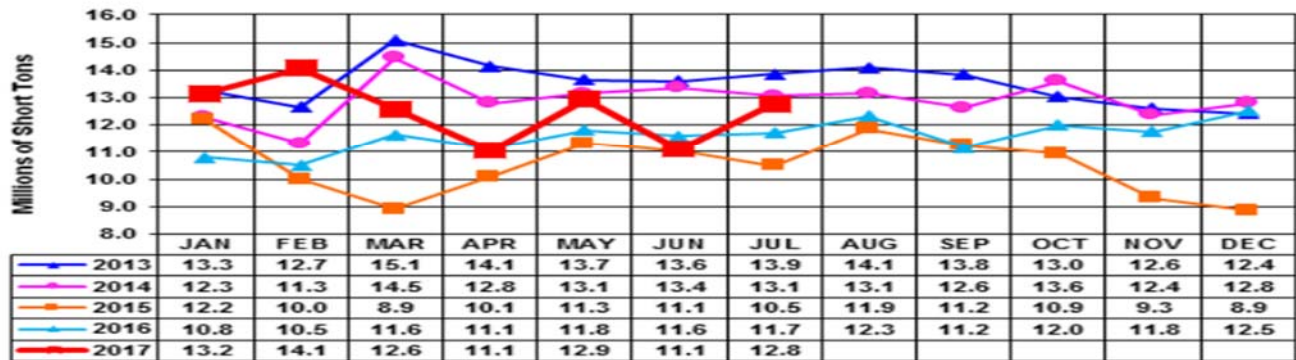
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Ux Consulting Co., LLC – <http://www.uxc.com>

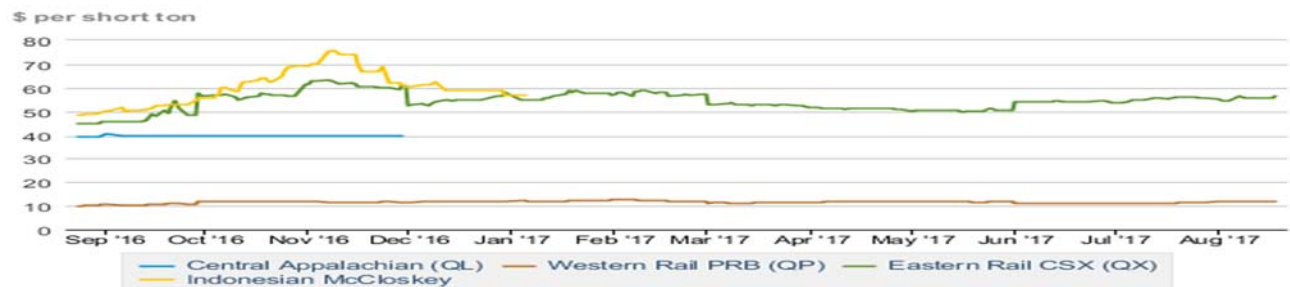
Coal and Coke Monthly Indicator for Internal U.S. Waterways



Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center

NYMEX Coal Futures Near-month Contract Final Settlement Price

NYMEX coal futures near-month contract final settlement price



Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

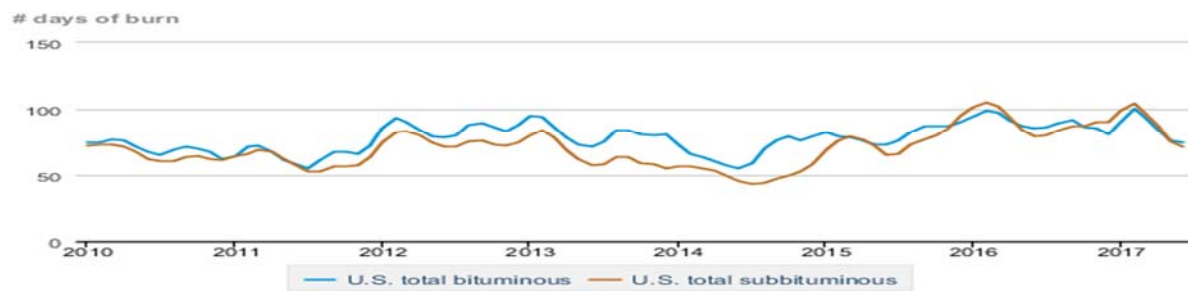
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	07/28/17	08/04/17	08/11/17	08/18/17	08/25/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.70	\$52.60	\$52.60	\$52.60	\$52.60	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.75	\$45.65	\$45.65	\$45.65	\$45.65	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$30.70	\$30.70	\$30.70	\$30.70	\$30.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.28	\$11.55	\$11.55	\$11.55	\$11.55	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.70	\$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 - June 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Aug 17)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	2	-2	2	34	-2	-51
Middle Atlantic	1	-2	1	45	-5	-61
E N Central	5	0	5	39	-8	-39
W N Central	5	1	5	43	-18	-24
South Atlantic	0	0	0	104	13	-18
E S Central	0	0	0	94	6	-14
W S Central	0	0	0	129	7	6
Mountain	2	-3	2	67	-3	-17
Pacific	1	-2	1	43	-1	-26
United States	2	-1	2	68	0	-28

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)



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	June 2017		June 2016		% Change of Stocks	May 2017		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	4,506	72	7,035	118	-35.9%	4,468	73	0.8%
	Subbituminous	136	193	171	157	-20.3%	142	225	-4.0%
South	Bituminous	31,009	71	34,721	80	-10.7%	32,039	72	-3.2%
	Subbituminous	6,216	58	7,180	74	-13.4%	6,379	61	-2.6%
Midwest	Bituminous	15,249	79	18,434	91	-17.3%	15,530	80	-1.8%
	Subbituminous	40,987	72	45,364	76	-9.6%	42,418	76	-3.4%
West	Bituminous	5,779	83	5,862	75	-1.4%	6,048	86	-4.4%
	Subbituminous	30,245	73	36,341	84	-16.8%	31,509	78	-4.0%
U.S. Total	Bituminous	56,543	74	66,052	85	-14.4%	58,085	76	-2.7%
	Subbituminous	77,585	71	89,055	79	-12.9%	80,448	75	-3.6%

Source: Energy Information Administration, *Electricity Monthly Update*

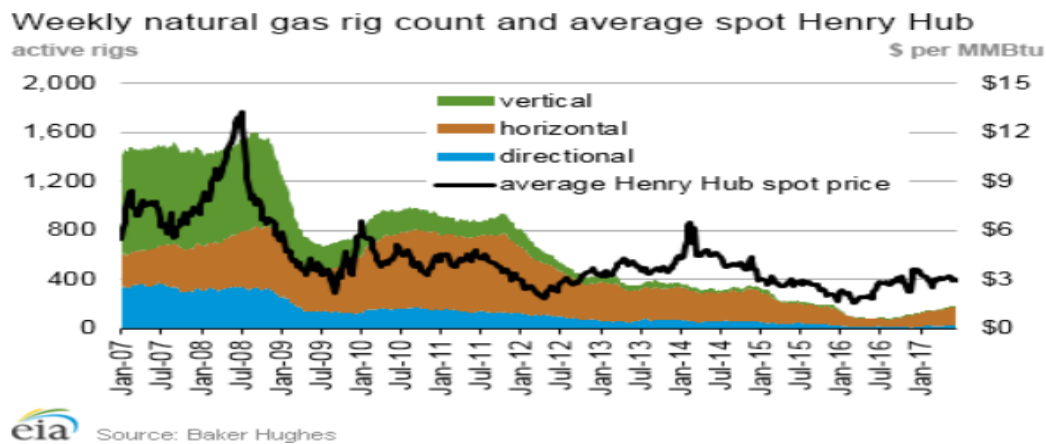
EIA Working Natural Gas Underground Storage

Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-08-18	2017-08-11	change
East	728	701	27
Midwest	821	798	23
Mountain	206	204	2
Pacific	296	292	4
South Central	1,074	1,087	-13
Total	3,125	3,082	43

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		
	August 2017	September 2017	change	August 2017	September 2017	change
Anadarko	370	372	2	2,507	2,512	5
Appalachia	127	128	1	14,210	14,108	(102)
Bakken	1,177	1,190	13	1,554	1,557	3
Eagle Ford	1,410	1,379	(31)	4,620	4,642	22
Haynesville	33	34	1	7,540	7,578	38
Niobrara	1,284	1,285	1	4,523	4,552	29
Permian	599	595	(4)	1,005	999	(6)
Total	655	645	(10)	3,483	3,460	(23)

Source: Energy Information Administration, *Drilling Productivity Report*