

National Mining Association

Weekly Statistical Summary

July 14, 2017 Edition
(Data for Week Ending July 8, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 27
Dated 07/14/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	07/08/17	07/02/16	% Chng	07/08/17	07/08/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,440	14,296	-6.0%	402,825	347,838	15.8%
52 Weeks Ended	793,725	773,082	2.7%			
AAR Coal Rail Cars Loaded:	76,931	79,354	-3.1%	2,219,534	1,896,256	17.0%
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
	07/08/17	07/09/16		07/08/17	07/09/16	
EI Electric Total Output (Mil. Kwh)	87,622	88,147	-0.6%	2,020,788	2,028,004	-0.4%
EI Coal Region Output (Mil. Kwh)	76,059	77,187	-1.5%	1,733,329	1,745,022	-0.7%
AISI Raw Steel Output (000 Tons)	1,733	1,667	4.0%	46,803	45,792	2.2%

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)	
	07/07/17	06/30/17	% Chng	Wed.	07/05/17
Central App, 12,500 Btu, 1.2 SO ₂	\$52.75	\$52.55	0.4%	Henry Hub	2.90
Northern App, 13,000 Btu, < 3.0 SO ₂	45.80	45.65	0.3%	New York	2.23
Illinois Basin, 11,800, 5.0 SO ₂	30.70	30.95	-0.8%	Chicago	2.76
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.65	11.55	0.9%	Cal.Comp.Avg.	2.91
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.70	40.35	0.9%		

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)	7/8/2017 (week 27)	7/1/2017 (week 26)	7/2/2016 (week 27)	7/8/2017	7/8/2016	% Change	7/8/2017	7/2/2016	% Change
Alabama	154	185	182	5,621	4,807	16.9	10,035	10,207	-1.7
Alaska	12	18	18	494	551	-10.4	885	1,099	-19.5
Arizona	103	124	109	3,191	2,677	19.2	6,016	5,674	6.0
Arkansas	s	1	1	20	27	-23.8	24	69	-65.2
Coloradc	240	282	261	7,065	5,787	22.1	14,072	13,975	0.7
Illinois	739	903	926	25,258	23,119	9.3	46,256	48,048	-3.7
Indiana	524	659	597	16,884	14,720	14.7	31,323	30,268	3.5
Kansas	.	2	.	29	27	8.9	29	122	-76.2
Kentucky Total	680	854	853	22,344	22,140	0.9	43,664	49,744	-12.2
Eastern (KY)	245	316	334	8,558	8,814	-2.9	16,773	21,195	-20.9
Western (KY)	435	538	519	13,786	13,325	3.5	26,891	28,549	-5.8
Louisiana	48	60	58	1,721	1,399	23.0	3,154	3,315	-4.9
Marylanc	31	33	28	804	684	17.6	1,718	1,520	13.0
Mississippi	52	60	53	1,553	1,408	10.2	3,055	2,880	6.1
Missouri	6	7	6	152	114	33.1	275	167	64.7
Montana	584	628	587	15,607	14,320	9.0	34,124	34,566	-1.3
New Mexicc	174	213	217	6,529	6,967	-6.3	13,059	17,132	-23.8
North Dakota	512	612	559	15,918	14,184	12.2	30,231	28,093	7.6
Ohio	170	242	270	5,692	7,364	-22.7	11,068	15,128	-26.8
Oklahoma	10	13	14	299	343	-12.7	596	697	-14.5
Pennsylvania Total	888	1,082	958	26,810	22,408	19.6	50,889	46,543	9.3
Anthracite (PA)	26	31	34	947	869	9.0	1,731	1,971	-12.2
Bituminous (PA)	862	1,051	924	25,863	21,540	20.1	49,158	44,572	10.3
Tennessee	8	12	12	312	347	-10.3	598	791	-24.4
Texas	708	857	775	21,351	19,482	9.6	41,631	38,917	7.0
Utah	249	320	291	7,837	7,085	10.6	14,672	14,002	4.8
Virginia	256	320	283	7,910	6,790	16.5	14,631	13,329	9.8
West Virginia Total	1,528	1,821	1,634	47,518	39,608	20.0	89,090	82,452	8.1
Northern (WV)	863	1,028	880	26,211	21,106	24.2	49,243	43,470	13.3
Southern (WV)	665	793	754	21,307	18,502	15.2	39,846	38,981	2.2
Wyoming	5,764	6,559	5,604	161,905	131,479	23.1	332,629	314,344	5.8
Appalachian Total	3,280	4,012	3,701	103,225	90,824	13.7	194,801	191,165	1.9
Interior Total	2,521	3,100	2,948	81,054	73,964	9.6	153,235	153,032	0.1
Western Total	7,638	8,755	7,647	218,546	183,050	19.4	445,689	428,885	3.9
East of Mississippi River	5,030	6,171	5,796	160,707	143,397	12.1	302,326	300,910	0.5
West of Mississippi River	8,410	9,696	8,500	242,119	204,441	18.4	491,399	472,172	4.1
Bituminous and Lignite	13,414	15,836	14,262	401,878	346,969	15.8	791,994	771,110	2.7
Anthracite	26	31	34	947	869	9.0	1,731	1,971	-12.2
U.S. Total	13,440	15,867	14,296	402,825	347,838	15.8	793,725	773,082	2.7
Railroad Cars Loaded	76,931	87,750	79,354	2,219,534	1,896,256	17.0	4,500,833	4,333,505	3.9

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 27

OUTPUT FOR WEEK ENDED - Jul 08, 2017

Jul 12, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Jul 08, 2017 was 87,622 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 188 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended July 08		52 Weeks Ended July 08	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,512	-2.3	123,283	0.0
Mid-Atlantic	9,365	-3.6	433,693	1.3
Central Industrial	13,684	-0.6	670,206	0.9
West Central	6,980	0.3	328,519	0.2
Southeast	22,377	-2.6	1,021,926	1.5
South Central	17,009	-3.8	722,779	2.4
Rocky Mountain	6,644	8.6	278,465	0.2
Pacific Northwest	2,664	8.4	158,268	3.8
Pacific Southwest	6,387	7.7	282,037	-1.1
Total United States	87,622	-0.6	4,019,177	1.2

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Jun 17	88,147	Jun 18	84,925	3.8	Jun 17	4,025,087	1.6
Jun 24	87,167	Jun 25	88,590	-1.6	Jun 24	4,023,664	1.6
Jul 01	82,260	Jul 02	86,222	-4.6	Jul 01	4,019,701	1.3
Jul 08	87,622	Jul 09	88,147	-0.6	Jul 08	4,019,176	1.2
Jul 08	2,020,788	Jul 09	2,028,004	-0.4	YEAR TO DATE, FIRST 27 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Jun 17	193	Jun 18	175	Jun 20	199
Jun 24	188	Jun 25	178	Jun 27	209
Jul 01	172	Jul 02	178	Jul 04	194
Jul 08	188	Jul 09	174	Jul 11	209

* 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		
	8-Jul 2017 GWh Output	9-Jul 2016 GWh Output	% Increase Over Corresponding Week of 2016	8-Jul 2017 GWh Output	9-Jul 2016 GWh Output	% Increase Over Corresponding Week of 2016	8-Jul 2017 GWh Output	9-Jul 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,512	2,572	-2.3%	61,623	62,309	-1.1%	123,283	123,282	0.0%
Mid-Atlantic	9,365	9,715	-3.6%	215,450	217,841	-1.1%	433,693	428,039	1.3%
Central Industrial	13,684	13,762	-0.6%	339,882	346,513	-1.9%	670,206	664,118	0.9%
West Central	6,980	6,958	0.3%	164,830	167,068	-1.3%	328,519	327,799	0.2%
Southeast	22,377	22,964	-2.6%	513,235	523,270	-1.9%	1,021,926	1,006,651	1.5%
South Central	17,009	17,672	-3.8%	361,546	355,101	1.8%	722,779	705,720	2.4%
Rocky Mountain	6,644	6,116	8.6%	138,386	135,229	2.3%	278,465	277,853	0.2%
Pacific Northwest	2,664	2,458	8.4%	85,592	79,547	7.6%	158,268	152,405	3.8%
Pacific Southwest	6,387	5,930	7.7%	140,245	141,127	-0.6%	282,037	285,165	-1.1%
Total United States ^{1/}	<u>87,622</u>	<u>88,147</u>	-0.6%	<u>2,020,789</u>	<u>2,028,005</u>	<u>-0.4%</u>	4,019,176	3,971,032	1.2%
Coal Regions Only ^{2/}	76,059	77,187	-1.5%	1,733,329	1,745,022	-0.7%	3,455,588	3,410,180	1.3%

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 10, 2017

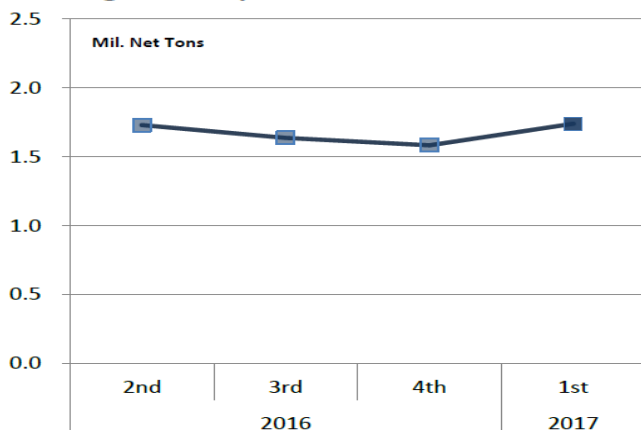
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>July 8</u>	<u>Jul 1</u>	
<u>Week Ending</u>				North East	213	204
				Great Lakes	654	668
July 8, 2017	1,733	0.9	74.3	Midwest	163	168
July 8, 2016	1,667	4.0	71.3	Southern	630	608
July 1, 2017	1,717	-0.7	73.6	Western	73	69
				Total	1,733	1,717
<u>Year-to-Date +</u>						
July 8, 2017	46,803	2.2	74.4			
July 8, 2016	45,792	-	72.4			

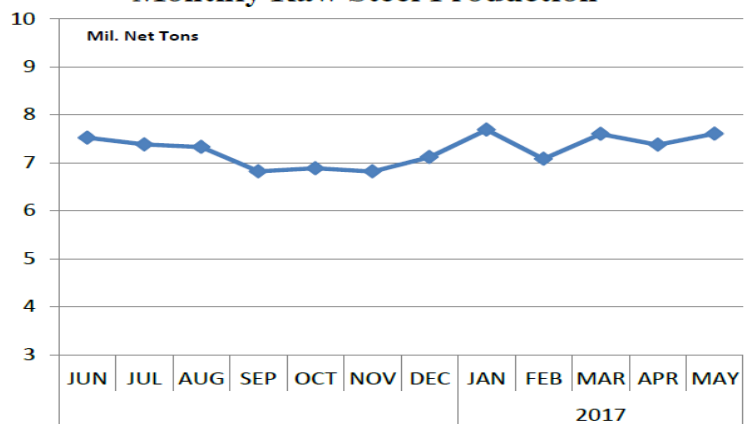
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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



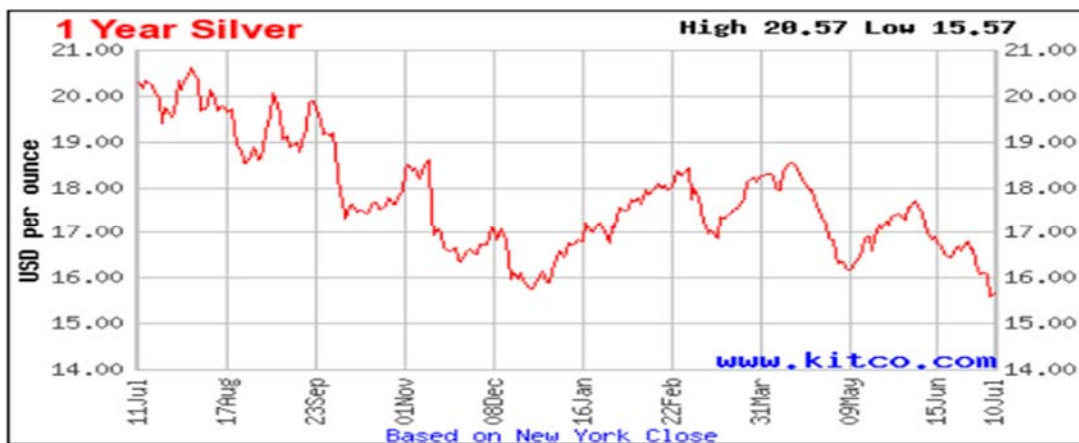
*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. ** Based on tonnage capability to produce raw steel for a sustained full order book.



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

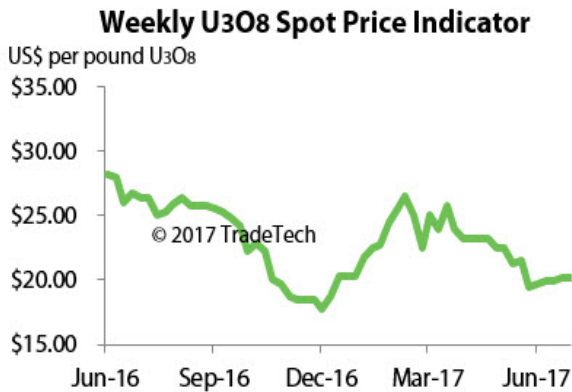


Source: Kitco website - www.kitco.com/connecting.html



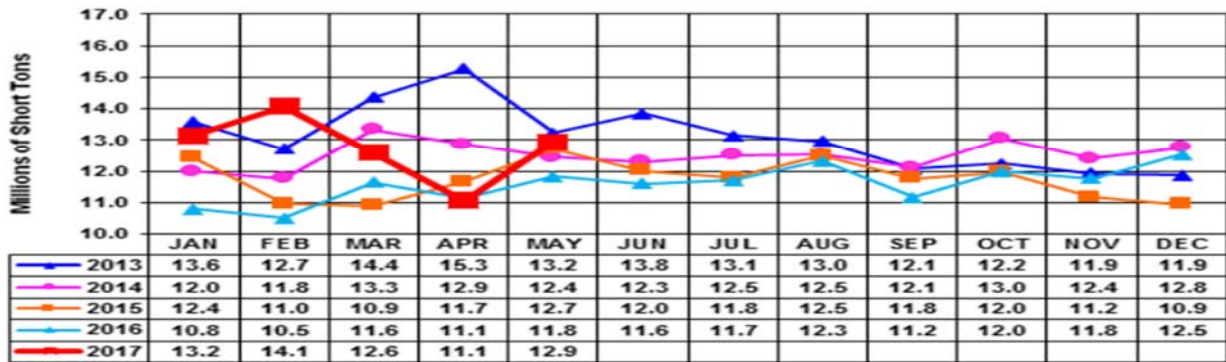
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



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

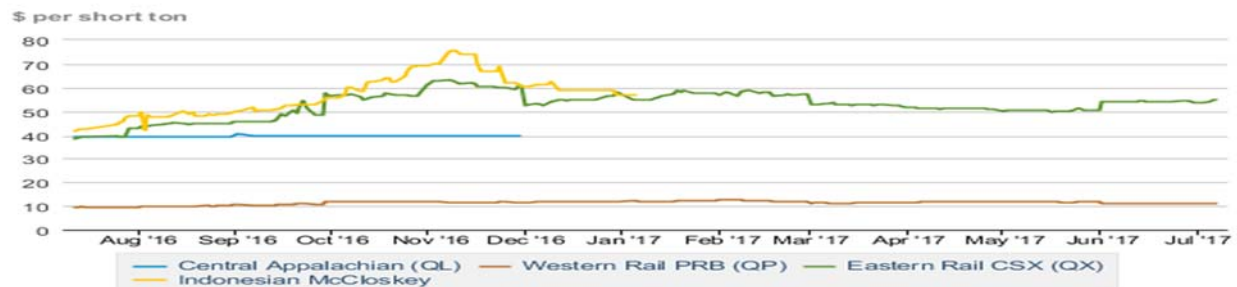
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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

NYMEX Coal Futures Near-month Contract Final Settlement Price

NYMEX coal futures near-month contract final settlement price



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

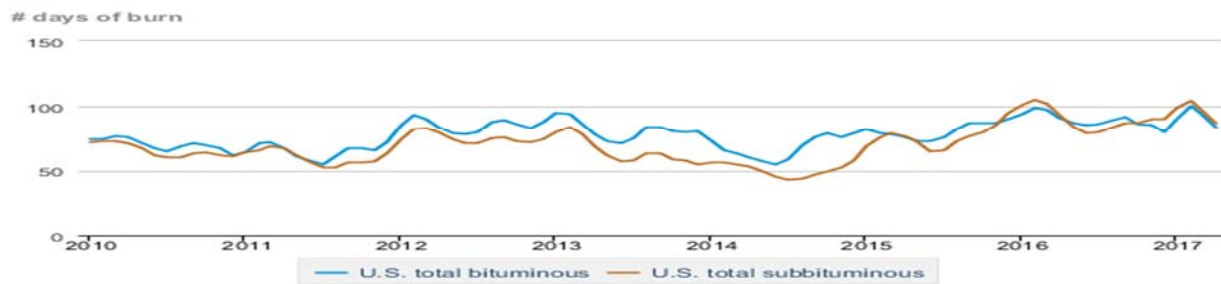
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago change
	06/09/17	06/16/17	06/23/17	06/30/17	07/07/17	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$52.35	\$52.35	\$52.55	\$52.55	\$52.75	\$0.20
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.50	\$45.50	\$45.65	\$45.65	\$45.80	\$0.15
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$30.95	\$30.95	\$30.95	\$30.95	\$30.70	-\$0.25
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.55	\$11.55	\$11.55	\$11.55	\$11.65	\$0.10
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.35	\$40.35	\$40.35	\$40.35	\$40.70	\$0.35

Source: Energy Information Administration (with permission from SNL), *Coal News and Markets Report*

Days of burn by non-lignite coal rank, January 2009 - April 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Jun 29)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	6	1	1	29	5	8
Middle Atlantic	4	2	4	33	-6	-14
E N Central	18	15	16	18	-26	-38
W N Central	19	14	18	28	-29	-46
South Atlantic	1	0	1	84	-2	-16
E S Central	2	2	2	64	-18	-47
W S Central	0	0	0	105	-8	-25
Mountain	7	-6	6	84	18	-6
Pacific	1	-8	-2	57	26	-2
United States	8	3	6	56	-5	-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	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	April 2017		April 2016			March 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	4,712	81	7,662	117	-38.5%	4,583	84	2.8%
	Subbituminous	145	226	171	184	-15.3%	145	251	0.0%
South	Bituminous	32,491	82	37,153	88	-12.5%	31,894	93	1.9%
	Subbituminous	6,518	71	7,838	86	-16.8%	6,222	80	4.8%
Midwest	Bituminous	15,362	89	18,387	95	-16.4%	15,271	97	0.6%
	Subbituminous	43,658	88	46,733	86	-6.6%	43,570	98	0.2%
West	Bituminous	5,924	90	5,587	76	6.0%	5,937	100	-0.2%
	Subbituminous	32,205	89	41,393	103	-22.2%	31,500	100	2.2%
U.S. Total	Bituminous	58,489	84	68,788	91	-15.0%	57,685	94	1.4%
	Subbituminous	82,525	87	96,135	93	-14.2%	81,438	97	1.3%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

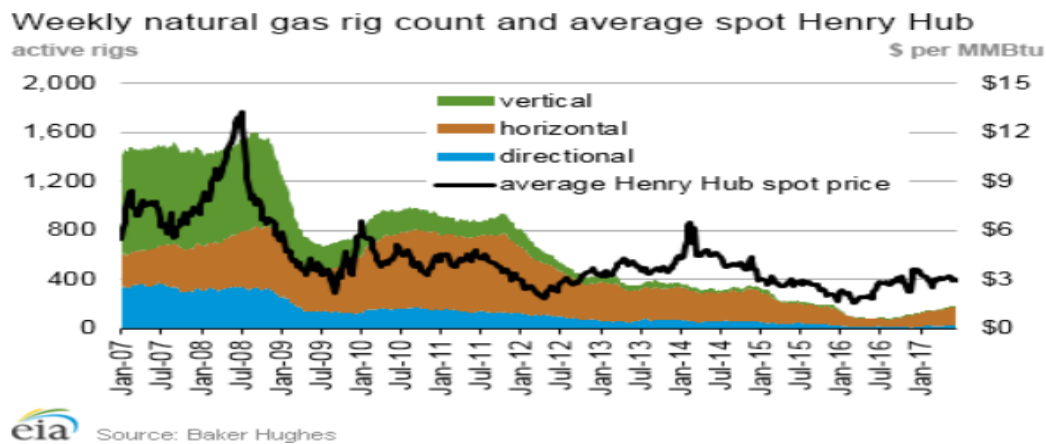
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-06-30	2017-06-23	change
East	564	536	28
Midwest	699	676	23
Mountain	187	184	3
Pacific	287	280	7
South Central	1,151	1,140	11
Total	2,888	2,816	72

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*