

National Mining Association

Weekly Statistical Summary

March 17, 2017 Edition
(Data for Week Ending March 11, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 10
Dated 03/17/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/11/17	03/05/16	% Chng	03/11/17	03/11/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,703	13,229	11.1%	158,734	138,857	14.3%
52 Weeks Ended	769,974	847,674	-9.2%			
AAR Coal Rail Cars Loaded:	79,646	71,669	11.1%	859,869	752,722	14.2%
Coal Production Month Ended - Feb.	Feb 17/16		% Chng	Jan - Feb 17/16		% Chng
	65,411	57,263	14.2%	134,910	117,763	14.6%
DOC Coal Trade (000 Tons)						
Exports:	January 17/16			Jan - Jan 17/16		
			% Chng			% Chng
Metallurgical	4,315	3,062	40.9%	4,315	3,062	40.9%
Steam *	3,055	1,302	134.6%	3,055	1,302	134.6%
Lignite	6	5	20.0%	6	5	20.0%
Anthracite	13	68	-80.9%	13	68	-80.9%
Total	7,389	4,437	66.5%	7,389	4,437	66.5%
Imports:	743	693	7.2%	743	693	7.2%
	Week Ended			Cumulative Week 1 to		
	03/11/17	03/12/16	% Chng	03/11/17	03/12/16	% Chng
EI Electric Total Output (Mil. Kwh)	71,563	68,466	4.5%	746,935	761,626	-1.9%
EI Coal Region Output (Mil. Kwh)	60,876	58,127	4.7%	634,887	654,293	-3.0%
AISI Raw Steel Output (000 Tons)	1,791	1,685	6.3%	17,387	16,602	4.7%

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)	
	03/10/17	02/02/17	% Chng	Wed.	03/08/17
Central App, 12,500 Btu, 1.2 SO ₂	\$51.60	\$51.60	0.0%	Henry Hub	2.69
Northern App, 13,000 Btu, < 3.0 SO ₂	45.00	46.25	-2.7%	New York	2.50
Illinois Basin, 11,800, 5.0 SO ₂	31.65	31.65	0.0%	Chicago	2.80
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.45	11.50	-0.4%	Cal.Comp.Avg.	2.78
Uinta Basin, 11,700 Btu, 0.8 SO ₂	39.90	40.10	-0.5%		

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

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	3/11/2017 (week 10)	3/4/2017 (week 9)	3/5/2016 (week 10)	3/11/2017	3/11/2016	% Change	3/11/2017	3/5/2016	% Change
Alabama	170	179	187	1,823	1,963	-7.2	8,856	12,006	-26.2
Alaska	24	27	24	268	249	7.9	1,110	1,210	-8.3
Arizona	107	113	102	1,153	1,071	7.7	5,610	6,497	-13.7
Arkansas	1	1	1	10	9	11.1	45	84	-46.4
Colorado	200	201	190	2,062	1,992	3.5	11,647	16,837	-30.8
Illinois	918	982	866	9,996	9,086	10.0	46,815	52,171	-10.3
Indiana	615	645	552	6,584	5,797	13.6	30,629	32,658	-6.2
Kansas	2	3	2	26	22	19.2	75	180	-58.3
Kentucky Total	829	900	867	9,066	9,106	-0.4	44,508	57,372	-22.4
Eastern (KY)	305	335	350	3,350	3,678	-8.9	17,263	25,721	-32.9
Western (KY)	524	565	517	5,716	5,428	5.3	27,245	31,651	-13.9
Louisiana	58	60	50	608	527	15.4	2,978	3,364	-11.5
Maryland	27	30	28	302	289	4.5	1,525	1,776	-14.1
Mississippi	58	64	59	652	618	5.4	3,006	3,137	-4.2
Missouri	6	5	3	53	33	60.2	231	139	66.2
Montana	569	631	568	6,289	5,962	5.5	32,698	39,302	-16.8
New Mexico	301	311	328	3,087	3,447	-10.4	14,655	19,992	-26.7
North Dakota	671	707	551	7,198	5,785	24.4	31,244	28,662	9.0
Ohio	296	321	298	3,253	3,125	4.1	14,560	16,251	-10.4
Oklahoma	15	15	13	155	134	15.5	697	754	-7.6
Pennsylvania Total	973	994	790	10,206	8,292	23.1	47,760	48,447	-1.4
Anthracite (PA)	36	39	33	394	346	13.8	1,862	2,105	-11.5
Bituminous (PA)	937	955	757	9,812	7,946	23.5	45,898	46,342	-1.0
Tennessee	16	18	18	182	185	-2.0	797	916	-13.0
Texas	994	1,060	758	10,788	7,958	35.6	45,328	37,365	21.3
Utah	329	339	257	3,477	2,699	28.8	15,077	14,246	5.8
Virginia	307	317	244	3,246	2,562	26.7	14,525	13,873	4.7
West Virginia Total	1,674	1,781	1,473	18,084	15,457	17.0	85,099	89,716	-5.1
Northern (WV)	973	1,031	786	10,450	8,254	26.6	47,862	45,531	5.1
Southern (WV)	701	750	686	7,634	7,202	6.0	37,237	44,184	-15.7
Wyoming	5,544	6,022	5,001	60,166	52,490	14.6	310,502	350,718	-11.5
Appalachian Total	3,768	3,975	3,387	40,445	35,551	13.8	190,384	208,705	-8.8
Interior Total	3,190	3,399	2,821	34,588	29,612	16.8	157,048	161,503	-2.8
Western Total	7,745	8,351	7,021	83,700	73,694	13.6	422,543	477,466	-11.5
East of Mississippi River	5,883	6,231	5,381	63,393	56,480	12.2	298,078	328,322	-9.2
West of Mississippi River	8,820	9,494	7,848	95,340	82,377	15.7	471,897	519,352	-9.1
Bituminous and Lignite	14,667	15,686	13,196	158,340	138,511	14.3	768,112	845,569	-9.2
Anthracite	36	39	33	394	346	13.8	1,862	2,105	-11.5
U.S. Total	14,703	15,725	13,229	158,734	138,857	14.3	769,974	847,674	-9.2
Railroad Cars Loaded	79,646	85,183	71,669	859,869	752,722	14.2	4,283,415	4,834,836	-11.4

Source: Energy Information Administration

EEI Prepared by EEI's Business Information Group

WEEKLY ELECTRIC OUTPUT

Volume 85 No. 10

OUTPUT FOR WEEK ENDED - Mar 11, 2017

Mar 15, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Mar 11, 2017 was 71,563 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 156 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended March 11		52 Weeks Ended March 11	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,412	10.8	123,451	-0.7
Mid-Atlantic	7,881	8.5	433,568	-0.1
Central Industrial	12,427	3.8	671,887	1.3
West Central	5,719	3.6	329,799	1.0
Southeast	18,093	3.8	1,019,215	1.0
South Central	11,978	5.3	716,736	2.4
Rocky Mountain	4,778	4.7	276,665	-0.4
Pacific Northwest	3,468	11.2	156,574	2.3
Pacific Southwest	4,807	-4.7	283,807	-0.4
Total United States	71,563	4.5	4,011,702	1.0

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Feb 18	72,338	Feb 20	75,345	-4.0	Feb 18	4,011,913	0.3
Feb 25	68,347	Feb 27	71,892	-4.9	Feb 25	4,008,368	0.6
Mar 04	71,589	Mar 05	71,352	0.3	Mar 04	4,008,605	0.8
Mar 11	71,563	Mar 12	68,466	4.5	Mar 11	4,011,702	1.0
Mar 11	746,935	Mar 12	761,626	-1.9	YEAR TO DATE, FIRST 10 WEEKS		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
Feb 18	154	Feb 20	175	Feb 21	193
Feb 25	148	Feb 27	171	Feb 28	198
Mar 04	155	Mar 05	172	Mar 07	187
Mar 11	156	Mar 12	175	Mar 14	160

* 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		
	11-Mar 2017 GWh Output	12-Mar 2016 GWh Output	% Increase Over Corresponding Week of 2016	11-Mar 2017 GWh Output	12-Mar 2016 GWh Output	% Increase Over Corresponding Week of 2016	11-Mar 2017 GWh Output	12-Mar 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,412	2,177	10.8%	23,885	24,404	-2.1%	123,451	124,326	-0.7%
Mid-Atlantic	7,881	7,265	8.5%	81,949	84,464	-3.0%	433,568	434,205	-0.1%
Central Industrial	12,427	11,966	3.9%	129,636	134,584	-3.7%	671,887	662,958	1.3%
West Central	5,719	5,518	3.6%	61,509	62,465	-1.5%	329,799	326,692	1.0%
Southeast	18,093	17,437	3.8%	186,876	199,623	-6.4%	1,019,215	1,009,559	1.0%
South Central	11,978	11,377	5.3%	122,833	122,430	0.3%	716,736	699,683	2.4%
Rocky Mountain	4,778	4,564	4.7%	52,084	50,727	2.7%	276,665	277,769	-0.4%
Pacific Northwest	3,468	3,120	11.2%	37,789	33,440	13.0%	156,574	152,991	2.3%
Pacific Southwest	4,807	5,042	-4.7%	50,374	49,488	1.8%	283,807	285,019	-0.4%
Total United States ^{1/}	<u>71,563</u>	<u>68,466</u>	4.5%	<u>746,935</u>	<u>761,625</u>	-1.9%	4,011,702	3,973,202	1.0%
Coal Regions Only ^{2/}	60,876	58,127	4.7%	634,887	654,293	-3.0%	3,447,870	3,410,866	1.1%

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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March 13, 2017

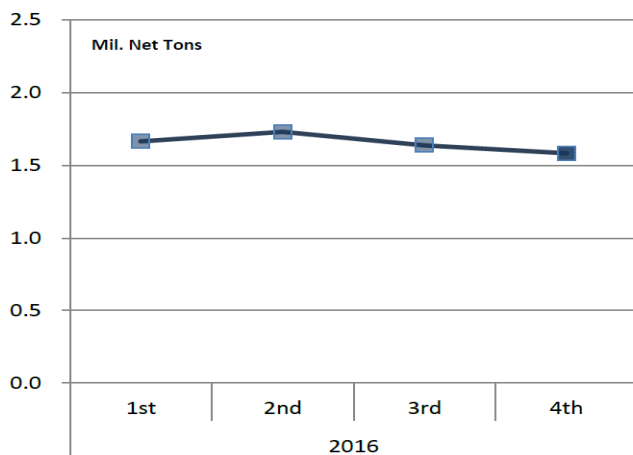
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Mar. 11</u>	<u>Mar. 4</u>	
<u>Week Ending</u>				North East	210	203
				Great Lakes	694	689
March 11, 2017	1,791	1.8	75.6	Midwest	168	166
March 11, 2016	1,685	6.3	72.1	Southern	641	627
March 4, 2017	1,760	-0.6	74.3	Western	<u>78</u>	<u>75</u>
				Total	1,791	1,760
<u>Year-to-Date +</u>						
March 11, 2017	17,387	4.7	73.4			
March 11, 2016	16,602	-	71.3			

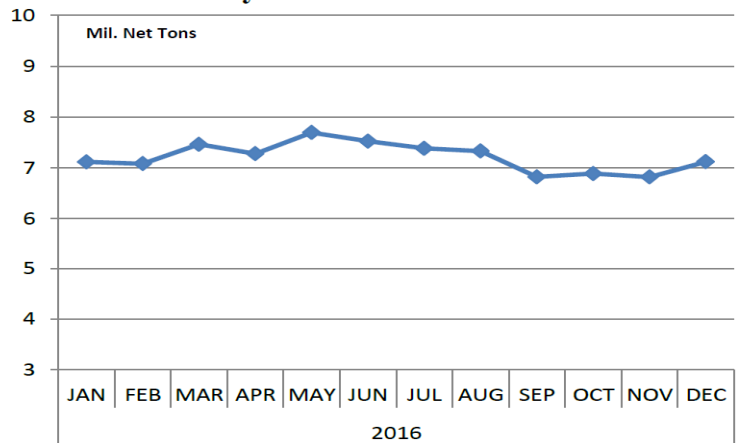
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 fourth quarter 2016 is approximately 31.2 million net tons vs. 31.4 million net tons for the same period last year, and 30.7 million tons for the third quarter of 2016.

Average Weekly Raw Steel Production



Monthly Raw Steel Production



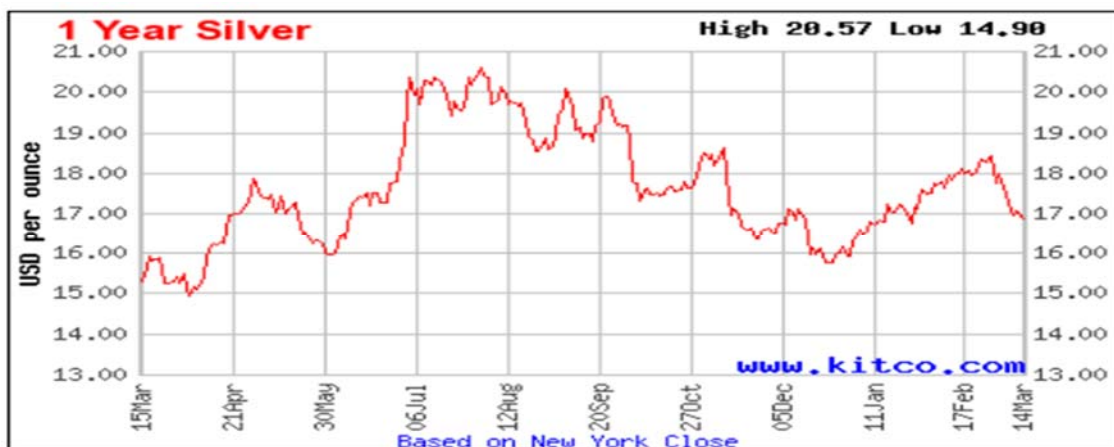
*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. ** Based on tonnage capability to produce raw steel for a sustained full order book.



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

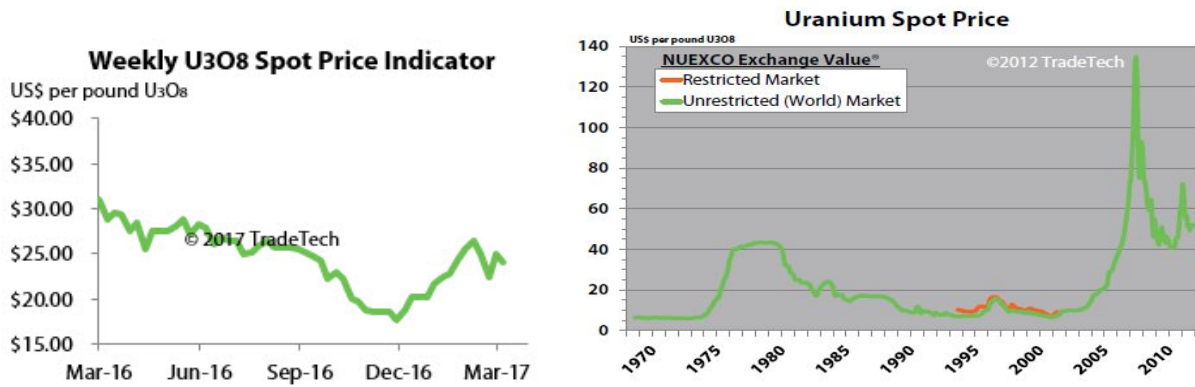


Source: Kitco website - www.kitco.com/connecting.html

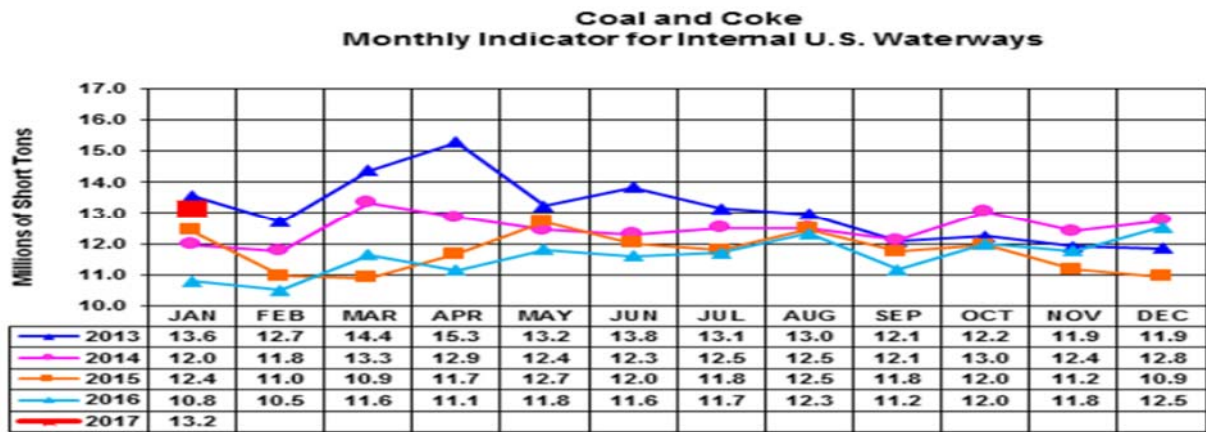


Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



Source: Trade Tech, Uranium Info Website – www.uranium.info



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.

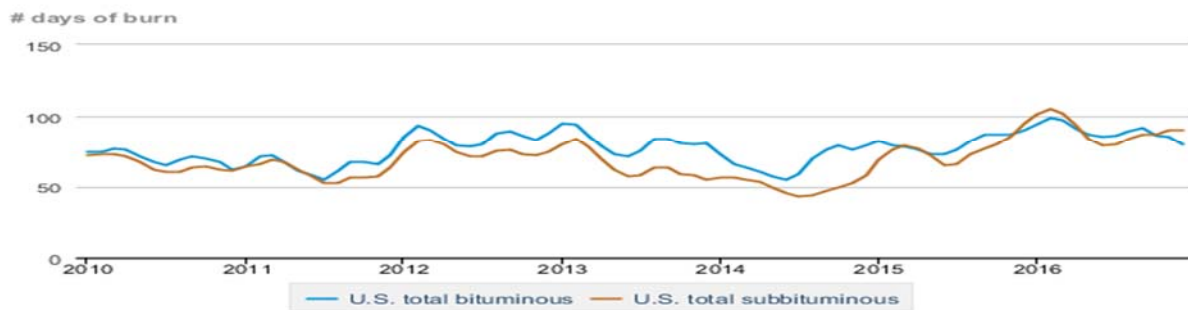
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago change
	02/10/17	02/17/17	02/24/17	03/03/17	03/10/17	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$50.05	\$51.60	\$51.60	\$51.60	\$51.60	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.80	\$46.25	\$46.25	\$46.25	\$45.00	-\$1.25
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$31.75	\$31.65	\$31.65	\$31.65	\$31.65	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.80	\$11.50	\$11.50	\$11.50	\$11.45	-\$0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.15	\$40.10	\$40.10	\$40.10	\$39.90	-\$0.20

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

Days of burn by non-lignite coal rank, January 2009 - December 2016



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Mar 02)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	128	-108	-47	0	0	0
Middle Atlantic	121	-102	-51	0	0	0
E N Central	175	-62	-23	0	0	0
W N Central	221	-17	25	0	0	0
South Atlantic	73	-67	-43	16	7	12
E S Central	85	-50	-37	4	1	4
W S Central	56	-31	-21	15	8	10
Mountain	220	39	83	0	-1	-3
Pacific	137	40	92	0	-1	0
United States	140	-38	1	5	2	3

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 - 3rd Quarter	2015 Year to Date - 3rd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	673.0	556.0	21%
Cement (Mil. Mt.)	62.3	61.1	2%
Copper (000 Mt.)	1,080.0	1,040.0	4%
Gold (Mt.)	157.0	157.0	0%
Gypsum (Mil. Mt.)	12.4	11.3	10%
Iron Ore (Mil. Mt.)	29.3	32.8	-11%
Lead (000 Mt.)	260.0	277.0	-6%
Molybdenum (000 Mt.)	26.1	40.1	-35%
Phosphate rock (Mil. Mt.)	20.2	20.8	-3%
Sand & gravel, construction (Mil. Mt.)	732.0	703.0	4%
Silver (Mt.)	853.0	814.0	5%
Soda ash (Mil. Mt.)	8.8	8.7	1%
Stone, crushed (Mil. Mt.)	1,050.0	990.0	6%
Zinc (000 Mt.)	597.0	604.0	-1%

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	December 2016		December 2015			November 2016		
		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	5,484	66	8,431	92	-35.0%	5,971	77	-8.2%
	Subbituminous	98	36	675	174	-85.5%	153	63	-35.8%
South	Bituminous	29,868	77	38,367	94	-22.2%	30,726	82	-2.8%
	Subbituminous	5,978	68	8,145	97	-26.6%	6,491	75	-7.9%
Midwest	Bituminous	16,279	87	18,555	88	-12.3%	17,154	90	-5.1%
	Subbituminous	44,048	87	48,508	82	-9.2%	45,254	85	-2.7%
West	Bituminous	5,868	98	5,331	77	10.1%	6,099	93	-3.8%
	Subbituminous	31,244	100	40,914	116	-23.6%	34,098	102	-8.4%
U.S. Total	Bituminous	57,499	80	70,685	90	-18.7%	59,950	85	-4.1%
	Subbituminous	81,369	90	98,241	95	-17.2%	85,996	90	-5.4%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

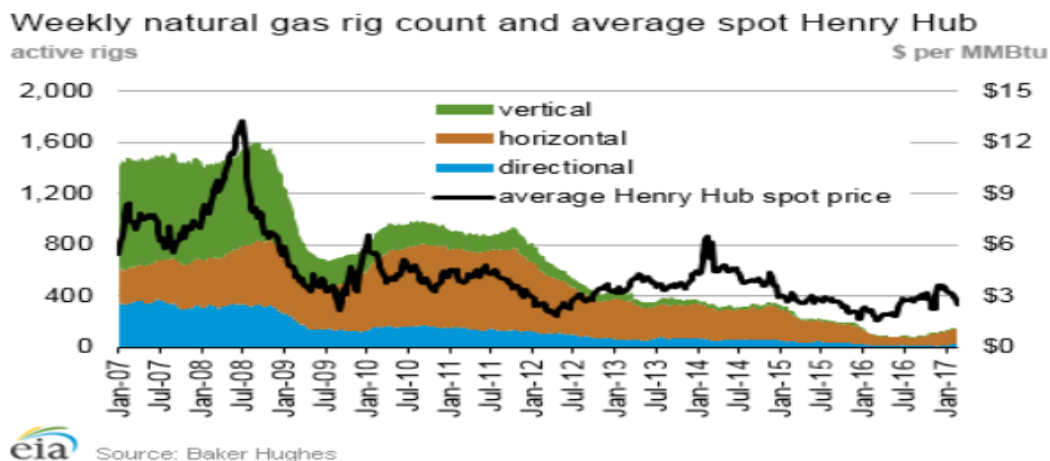
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-03-03	2017-02-24	change
East	404	422	-18
Midwest	579	608	-29
Mountain	139	146	-7
Pacific	201	205	-4
South Central	972 C	982	-10
Total	2,295 C	2,363	-68

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		
	March 2017	April 2017	change	March 2017	April 2017	change
Bakken	994	1,001	7	1,427	1,447	20
Eagle Ford	1,440	1,442	2	4,527	4,542	15
Haynesville	32	32	-	7,159	7,215	56
Marcellus	69	70	1	13,049	13,233	184
Niobrara	1,294	1,300	6	4,285	4,406	121
Permian	660	662	2	1,111	1,113	2
Utica	192	207	15	10,373	10,473	100
Rig-weighted average	711	720	9	3,513	3,516	3

Source: Energy Information Administration, *Drilling Productivity Report*