

National Mining Association

Weekly Statistical Summary

March 24, 2017 Edition
(Data for Week Ending March 18, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 11
Dated 03/24/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/18/17	03/12/16	% Chng	03/18/17	03/18/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,050	13,146	6.9%	172,784	150,965	14.5%
52 Weeks Ended	760,449	841,929	-9.7%			
AAR Coal Rail Cars Loaded:	77,123	71,221	8.3%	936,992	818,317	14.5%
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		
	03/18/17	03/19/16	% Chng	03/18/17	03/19/16	% Chng
EI Electric Total Output (Mil. Kwh)	74,521	68,254	9.2%	821,456	829,880	-1.0%
EI Coal Region Output (Mil. Kwh)	64,220	58,072	10.6%	699,107	712,365	-1.9%
AISI Raw Steel Output (000 Tons)	1,747	1,685	3.7%	19,134	18,287	4.6%

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)	
	03/17/17	03/10/17	% Chng	Wed.	03/15/17
Central App, 12,500 Btu, 1.2 SO ₂	\$51.60	\$51.60	0.0%	Henry Hub	3.00
Northern App, 13,000 Btu, < 3.0 SO ₂	45.00	45.00	0.0%	New York	6.82
Illinois Basin, 11,800, 5.0 SO ₂	31.65	31.65	0.0%	Chicago	2.93
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.45	11.45	0.0%	Cal.Comp.Avg.	2.80
Uinta Basin, 11,700 Btu, 0.8 SO ₂	39.90	39.90	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									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	3/18/2017 (week 11)	3/11/2017 (week 10)	3/12/2016 (week 11)	3/18/2017	3/18/2016	% Change	3/18/2017	3/12/2016	% Change
Alabama	172	170	186	1,994	2,134	-6.6	9,127	11,872	-23.1
Alaska	20	24	24	289	270	6.8	969	1,213	-20.1
Arizona	102	107	101	1,256	1,164	7.8	5,594	6,461	-13.4
Arkansas	1	1	1	11	10	10.6	32	83	-61.4
Colorado	198	200	189	2,260	2,166	4.3	12,873	16,612	-22.5
Illinois	912	918	860	10,907	9,878	10.4	45,469	51,706	-12.1
Indiana	581	615	549	7,165	6,303	13.7	30,063	32,463	-7.4
Kansas	3	2	2	29	23	22.2	34	178	-80.9
Kentucky Total	806	829	862	9,872	9,900	-0.3	43,428	56,907	-23.7
Eastern (KY)	299	305	348	3,650	3,999	-8.7	16,808	25,453	-34.0
Western (KY)	506	524	514	6,222	5,901	5.4	26,620	31,454	-15.4
Louisiana	52	58	50	660	573	15.3	2,925	3,354	-12.8
Maryland	29	27	27	331	314	5.5	1,614	1,760	-8.3
Mississippi	59	58	59	711	672	5.7	2,955	3,134	-5.7
Missouri	4	6	3	58	36	59.3	258	139	85.6
Montana	578	569	564	6,867	6,482	5.9	33,168	39,007	-15.0
New Mexico	224	301	326	3,311	3,747	-11.6	13,163	20,014	-34.2
North Dakota	610	671	548	7,809	6,290	24.1	30,073	28,628	5.0
Ohio	269	296	296	3,522	3,398	3.6	12,938	16,155	-19.9
Oklahoma	13	15	13	168	146	15.2	665	751	-11.5
Pennsylvania Total	915	973	785	11,121	9,015	23.4	48,601	48,160	0.9
Anthracite (PA)	32	36	33	426	376	13.2	1,708	2,100	-18.7
Bituminous (PA)	883	937	752	10,695	8,639	23.8	46,893	46,060	1.8
Tennessee	14	16	18	196	202	-2.8	675	917	-26.4
Texas	889	994	753	11,677	8,652	35.0	42,834	37,492	14.2
Utah	294	329	255	3,771	2,934	28.5	14,786	14,218	4.0
Virginia	279	307	243	3,525	2,785	26.6	14,167	13,816	2.5
West Virginia Total	1,626	1,674	1,463	19,709	16,804	17.3	84,116	89,030	-5.5
Northern (WV)	911	973	781	11,361	8,974	26.6	46,507	45,262	2.8
Southern (WV)	715	701	682	8,349	7,830	6.6	37,608	43,768	-14.1
Wyoming	5,400	5,544	4,970	65,566	57,067	14.9	309,923	347,859	-10.9
Appalachian Total	3,603	3,768	3,366	44,048	38,651	14.0	188,046	207,163	-9.2
Interior Total	3,020	3,190	2,804	37,608	32,194	16.8	151,854	160,754	-5.5
Western Total	7,427	7,745	6,977	91,127	80,120	13.7	420,549	474,012	-11.3
East of Mississippi River	5,661	5,883	5,347	69,054	61,405	12.5	293,153	325,920	-10.1
West of Mississippi River	8,389	8,820	7,799	103,729	89,560	15.8	467,296	516,009	-9.4
Bituminous and Lignite	14,018	14,667	13,114	172,358	150,589	14.5	758,741	839,829	-9.7
Anthracite	32	36	33	426	376	13.2	1,708	2,100	-18.7
U.S. Total	14,050	14,703	13,146	172,784	150,965	14.5	760,449	841,929	-9.7
Railroad Cars Loaded	77,123	79,646	71,221	936,992	818,317	14.5	4,289,316	4,798,211	-10.6

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 11

OUTPUT FOR WEEK ENDED - Mar 18, 2017

Mar 22, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Mar 18, 2017 was 74,521 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 March 18		52 Weeks Ended March 18	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,438	14.0	123,751	-0.2
Mid-Atlantic	8,605	18.2	434,893	0.4
Central Industrial	13,362	13.7	673,493	1.7
West Central	5,939	5.7	330,119	1.1
Southeast	19,682	16.4	1,021,993	1.3
South Central	11,947	0.9	716,840	2.4
Rocky Mountain	4,685	0.3	276,680	-0.4
Pacific Northwest	3,011	-1.2	156,537	2.2
Pacific Southwest	4,852	-2.9	283,663	-0.4
Total United States	74,521	9.2	4,017,969	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)
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 18	74,521	Mar 19	68,254	9.2	Mar 18	4,017,969	1.2
Mar 18	821,456	Mar 19	829,880	-1.0	YEAR TO DATE, FIRST 11 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
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
Mar 18	173	Mar 19	175	Mar 21	161

* 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		
	18-Mar 2017 GWh Output	19-Mar 2016 GWh Output	% Increase Over Corresponding Week of 2016	18-Mar 2017 GWh Output	19-Mar 2016 GWh Output	% Increase Over Corresponding Week of 2016	18-Mar 2017 GWh Output	19-Mar 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,438	2,138	14.0%	26,323	26,542	-0.8%	123,751	123,999	-0.2%
Mid-Atlantic	8,605	7,280	18.2%	90,554	91,744	-1.3%	434,893	433,159	0.4%
Central Industrial	13,362	11,756	13.7%	142,998	146,340	-2.3%	673,493	662,150	1.7%
West Central	5,939	5,618	5.7%	67,448	68,083	-0.9%	330,119	326,467	1.1%
Southeast	19,682	16,904	16.4%	206,558	216,527	-4.6%	1,021,993	1,009,011	1.3%
South Central	11,947	11,844	0.9%	134,780	134,274	0.4%	716,840	700,231	2.4%
Rocky Mountain	4,685	4,670	0.3%	56,769	55,397	2.5%	276,680	277,872	-0.4%
Pacific Northwest	3,011	3,048	-1.2%	40,800	36,488	11.8%	156,537	153,190	2.2%
Pacific Southwest	4,852	4,996	-2.9%	55,226	54,484	1.4%	283,663	284,927	-0.4%
Total United States ^{1/}	<u>74,521</u>	<u>68,254</u>	9.2%	<u>821,456</u>	<u>829,879</u>	-1.0%	4,017,969	3,971,006	1.2%
Coal Regions Only ^{2/}	64,220	58,072	10.6%	699,107	712,365	-1.9%	3,454,018	3,408,890	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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March 20, 2017

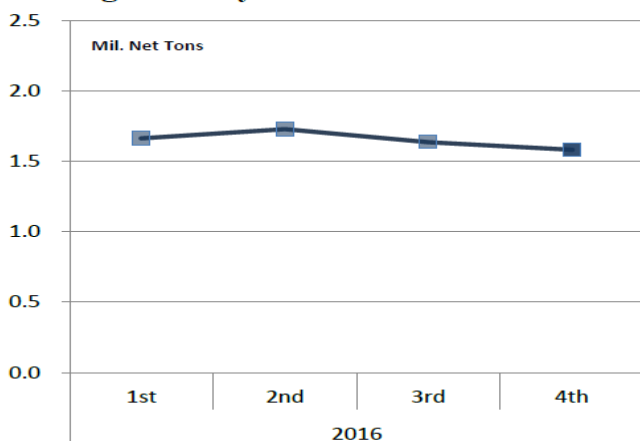
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Mar. 18</u>	<u>Week Ending Mar. 11</u>	
<u>Week Ending</u>				North East	216	210
				Great Lakes	675	694
March 18, 2017	1,747	-2.5	73.7	Midwest	166	168
March 18, 2016	1,685	3.7	72.1	Southern	616	641
March 11, 2017	1,791	1.8	75.6	Western	74	78
				Total	1,747	1,791
<u>Year-to-Date +</u>						
March 18, 2017	19,134	4.6	73.4			
March 18, 2016	18,287	-	71.3			

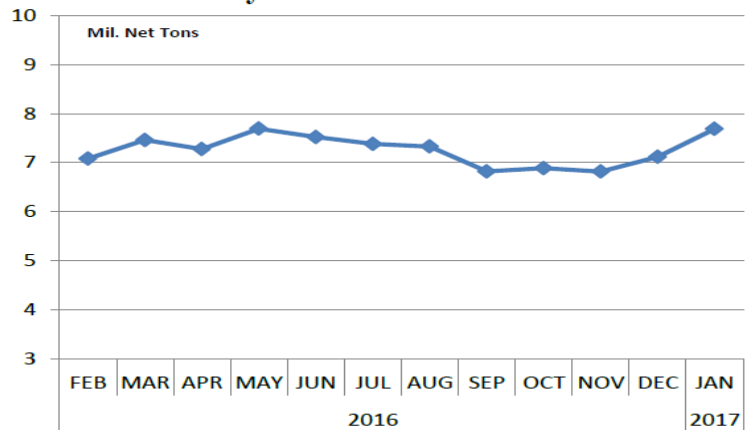
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

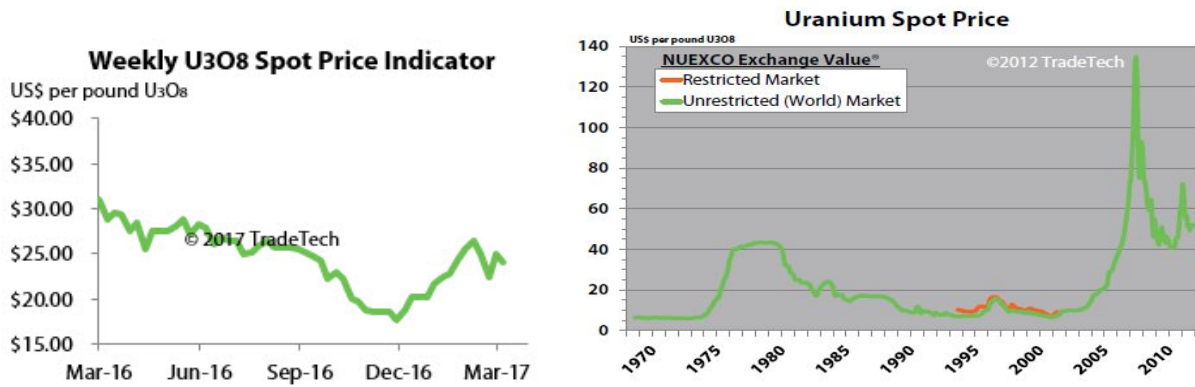


Source: Kitco website - www.kitco.com/connecting.html

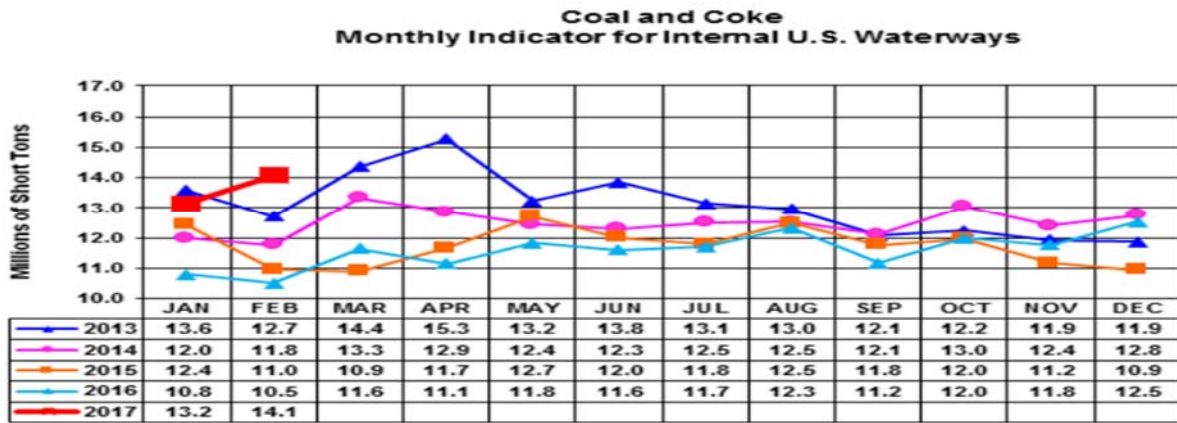


Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators

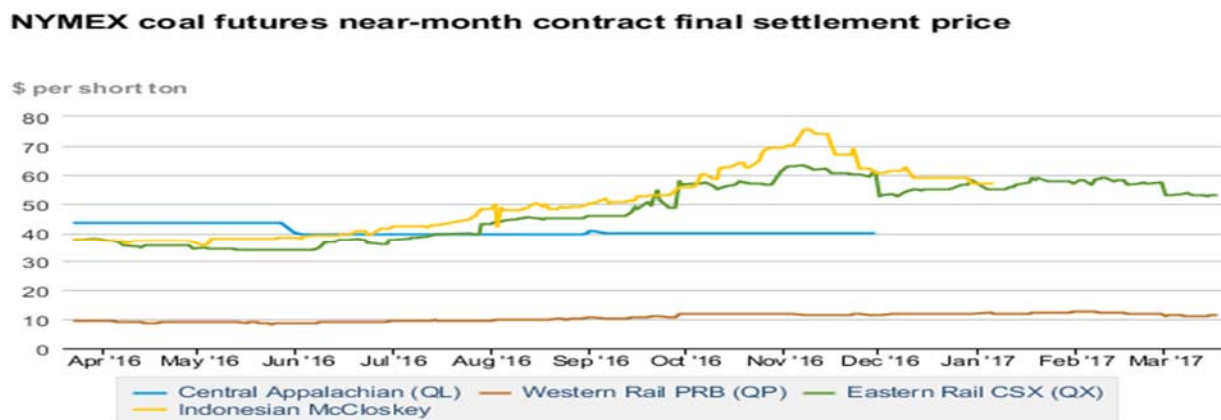


Source: Trade Tech, Uranium Info Website – www.uranium.info



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.

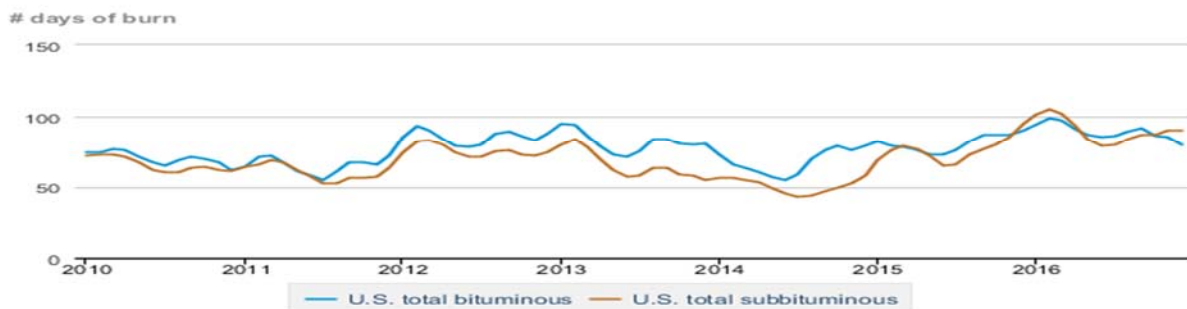
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	02/17/17	02/24/17	03/03/17	03/10/17	03/17/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$51.60	\$51.60	\$51.60	\$51.60	\$51.60	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$46.25	\$46.25	\$46.25	\$45.00	\$45.00	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$31.65	\$31.65	\$31.65	\$31.65	\$31.65	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.50	\$11.50	\$11.50	\$11.45	\$11.45	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.10	\$40.10	\$40.10	\$39.90	\$39.90	\$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 - December 2016



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Mar 09)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	236	13	13	0	0	0
Middle Atlantic	203	-6	4	0	0	0
E N Central	177	-44	-26	0	-1	0
W N Central	161	-60	2	0	-1	0
South Atlantic	115	-13	-14	10	0	1
E S Central	92	-30	-28	0	-3	0
W S Central	43	-34	5	16	7	3
Mountain	144	-27	29	1	0	-3
Pacific	100	6	22	0	-1	0
United States	142	-23	-1	4	1	0

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*

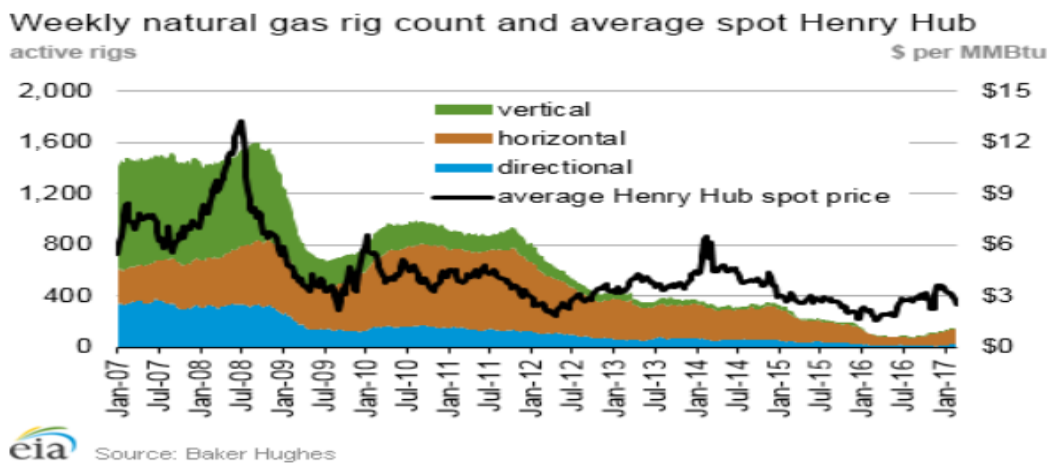
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-03-10	2017-03-03	change
East	368	404	-36
Midwest	557	579	-22
Mountain	137	139	-2
Pacific	203	201	2
South Central	977	972	5
Total	2,242	2,295	-53

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*