
National Mining Association

Weekly Statistical Summary

April 29, 2016 Edition
(Data for Week Ending April 23, 2016)

Prepared by
National Mining Association



Suite 500 East, 101 Constitution Avenue, NW
Washington, DC, 20001
Phone (202) 463-2600
Visit us at <http://www.nma.org>

NMA Weekly Statistical Summary

Vol. 54, No. 17
Dated 04/29/16

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/23/16	04/25/15	% Chng	04/23/16	04/23/15	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	10,332	16,861	-38.7%	199,914	297,650	-32.8%
52 Weeks Ended	793,479	984,989	-19.4%			
AAR Coal Rail Cars Loaded:	58,837	98,405	-40.2%	1,135,365	1,708,403	-33.5%
Coal Production Month Ended - Mar	Mar 16/15		% Chng	Jan - Mar 16/15		% Chng
	52,441	81,430	-35.6%	165,133	240,189	-31.2%

DOC Bituminous Coal Trade (000 Tons)

Exports:	Feb 16/15		% Chng	Jan - Feb 16/15		% Chng
Metallurgical	3,495	3,240	7.9%	6,557	8,218	-20.2%
Steam (bit.) *	1,010	3,240	-68.8%	2,311	6,072	-61.9%
Lignite	6	5	20.0%	11	11	0.0%
Anthracite	5	14	-64.3%	73	73	0.0%
Total	4,516	6,499	-30.5%	8,952	14,374	-37.7%
Imports:	819	866	-5.4%	1,512	2,158	-29.9%

	Week Ended			Cumulative Jan 1 to		
	04/23/16	04/25/15	% Chng	04/23/16	04/25/15	% Chng
EI Electric Total Output (Mil. Kwh)	67,123	68,150	-1.5%	1,243,049	1,297,703	-4.2%
EI Coal Region Output (Mil. Kwh)	57,273	58,349	-1.8%	1,064,618	1,116,458	-4.6%
AISI Raw Steel Output (000 Tons)	1,684	1,649	2.1%	28,213	28,843	-2.2%

EIA (SNL ENERGY) AVERAGE COAL SPOT PRICES Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	04/22/16	04/15/16	% Chng	Wed.	04/20/16
Central App, 12,500 Btu, 1.2 SO ₂	\$42.30	\$42.30	0.0%	Henry Hub	2.02
Northern App, 13,000 Btu, < 3.0 SO ₂	46.60	46.60	0.0%	New York	1.46
Illinois Basin, 11,800, 5.0 SO ₂	31.70	31.70	0.0%	Chicago	1.98
Powder River Basin, 8,800 Btu 0.8 SO ₂	9.35	9.35	0.0%	Cal.Comp.Avg.	1.97
Uinta Basin, 11,700 Btu, 0.8 SO ₂	37.80	37.80	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		
	4/23/2016 (week 17)	4/16/2016 (week 16)	4/25/2015 (week 17)	4/23/2016	4/23/2015	% Change	4/23/2016	4/25/2015	% Change
Alabama	142	163	281	3,106	4,986	-37.7	11,076	15,951	-30.6
Alaska	15	14	28	232	359	-35.3	1,059	1,344	-21.2
Arizona	85	85	153	1,584	2,275	-30.4	6,071	7,857	-22.7
Arkansas	1	1	2	27	29	-7.7	89	99	-10.1
Coloradc	212	220	406	4,191	6,645	-36.9	16,154	23,577	-31.5
Illinois	655	719	1,068	14,006	20,446	-31.5	49,406	60,608	-18.5
Indiana	406	428	685	7,894	11,797	-33.1	30,334	38,551	-21.3
Kansas	3	3	4	55	67	-16.8	187	126	48.4
Kentucky Total	691	715	1,260	13,223	21,123	-37.4	53,091	73,595	-27.9
Eastern (KY)	304	309	589	5,833	9,688	-39.8	23,900	35,369	-32.4
Western (KY)	388	405	671	7,390	11,435	-35.4	29,191	38,226	-23.6
Louisiana	42	54	55	863	946	-8.8	3,340	3,357	-0.5
Maryland	26	26	39	479	692	-30.8	1,925	2,052	-6.2
Mississippi	39	41	65	648	1,003	-35.4	2,770	3,494	-20.7
Missouri	2	2	3	31	51	-40.7	116	319	-63.6
Montana	480	525	781	9,809	13,589	-27.8	37,865	46,219	-18.1
New Mexico	245	262	395	3,779	5,222	-27.6	17,787	19,820	-10.3
North Dakota	365	393	546	6,641	9,272	-28.4	26,018	28,580	-9.0
Ohio	176	187	318	3,579	6,215	-42.4	14,470	21,159	-31.6
Oklahoma	10	10	17	170	260	-34.7	685	854	-19.8
Pennsylvania Total	569	625	957	11,039	16,991	-35.0	45,051	58,971	-23.6
Anthracite (PA)	31	32	41	503	613	-17.9	2,024	1,978	2.3
Bituminous (PA)	538	593	916	10,535	16,378	-35.7	43,027	56,992	-24.5
Tennessee	12	11	18	208	264	-21.3	788	862	-8.6
Texas	338	413	534	6,351	9,786	-35.1	31,440	40,288	-22.0
Utah	168	183	287	3,068	4,581	-33.0	13,232	16,837	-21.4
Virginia	170	172	284	3,068	4,653	-34.0	12,193	14,934	-18.4
West Virginia Total	1,061	1,152	1,878	21,259	33,640	-36.8	82,616	109,608	-24.6
Northern (WV)	567	593	880	10,942	16,230	-32.6	42,114	49,296	-14.6
Southern (WV)	494	559	998	10,316	17,409	-40.7	40,502	60,312	-32.8
Wyoming	4,422	4,682	6,798	84,604	122,759	-31.1	335,715	395,927	-15.2
Appalachian Total	2,458	2,646	4,364	48,571	77,128	-37.0	192,019	258,907	-25.8
Interior Total	1,883	2,077	3,104	37,435	55,820	-32.9	147,560	185,923	-20.6
Western Total	5,991	6,364	9,393	113,909	164,702	-30.8	453,900	540,160	-16.0
East of Mississippi River	3,945	4,241	6,853	78,509	121,809	-35.5	303,721	399,786	-24.0
West of Mississippi River	6,387	6,847	10,008	121,405	175,841	-31.0	489,758	585,203	-16.3
Bituminous and Lignite	10,301	11,055	16,820	199,411	297,037	-32.9	791,456	983,011	-19.5
Anthracite	31	32	41	503	613	-17.9	2,024	1,978	2.3
U.S. Total	10,332	11,087	16,861	199,914	297,650	-32.8	793,479	984,989	-19.4
Railroad Cars Loaded	58,837	63,090	98,405	1,135,365	1,708,403	-33.5	4,553,250	5,739,817	-20.7

Source: Energy Information Administration

Prepared by EEI's Business Information Group



WEEKLY ELECTRIC OUTPUT

Volume 84 No. 17

OUTPUT FOR WEEK ENDED - Apr 23, 2016

Apr 27, 2016

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Apr 23, 2016** was **67,123** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **172** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended April 23		52 Weeks Ended April 23	
	GWh Output	% Increase Over Corresponding Week of 2015	GWh Output	% Increase Over Corresponding Period of 2015
New England	2,004	-4.5	123,597	-2.9
Mid-Atlantic	7,029	-3.3	431,696	-2.4
Central Industrial	11,512	-3.1	661,208	-3.2
West Central	5,609	-2.4	326,008	-0.9
Southeast	16,584	-1.9	1,007,118	-1.0
South Central	12,012	-0.2	699,916	-0.1
Rocky Mountain	4,527	0.4	277,541	1.2
Pacific Northwest	2,603	-3.2	152,976	0.6
Pacific Southwest	5,243	4.6	284,674	-0.3
Total United States	67,123	-1.5	3,964,734	-1.2

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2016	Week Ended	2015	% Inc. (16/15)	52 Weeks Ended	2016	% Inc. (16/15)
Apr 02	67,204	Apr 04	69,177	-2.9	Apr 02	3,965,789	-1.1
Apr 09	68,786	Apr 11	68,444	0.5	Apr 09	3,966,132	-1.1
Apr 16	68,014	Apr 18	68,385	-0.5	Apr 16	3,965,761	-1.1
Apr 23	67,123	Apr 25	68,150	-1.5	Apr 23	3,964,734	-1.2
Apr 23	1,243,049	Apr 25	1,297,703	-4.2	YEAR TO DATE, FIRST 17 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2016	Week Ended	2015	Week Ended	2014
Apr 02	169	Apr 04	160	Apr 05	174
Apr 09	175	Apr 11	159	Apr 12	173
Apr 16	173	Apr 18	158	Apr 19	174
Apr 23	172	Apr 25	159	Apr 26	172

* Excludes Alaska and Hawaii.

+ Includes investor-owned companies, cooperatives and government-owned utilities.

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WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	23-Apr 2016 GWh Output	25-Apr 2015 GWh Output	% Increase Over Corresponding Week of 2015	23-Apr 2016 GWh Output	25-Apr 2015 GWh Output	% Increase Over Corresponding Week of 2015	23-Apr 2016 GWh Output	25-Apr 2015 GWh Output	% Increase Over Corresponding Week of 2015
New England	2,004	2,098	-4.5%	39,600	42,896	-7.7%	123,597	127,264	-2.9%
Mid-Atlantic	7,029	7,272	-3.3%	135,750	148,411	-8.5%	431,696	442,235	-2.4%
Central Industrial	11,512	11,882	-3.1%	218,554	231,664	-5.7%	661,208	683,007	-3.2%
West Central	5,609	5,744	-2.4%	102,662	106,488	-3.6%	326,008	329,071	-0.9%
Southeast	16,584	16,902	-1.9%	318,360	332,016	-4.1%	1,007,118	1,017,249	-1.0%
South Central	12,012	12,040	-0.2%	205,682	214,993	-4.3%	699,916	700,753	-0.1%
Rocky Mountain	4,527	4,509	0.4%	83,610	82,886	0.9%	277,541	274,219	1.2%
Pacific Northwest	2,603	2,690	-3.2%	54,299	53,466	1.6%	152,976	152,030	0.6%
Pacific Southwest	5,243	5,013	4.6%	84,531	84,884	-0.4%	284,674	285,556	-0.3%
Total United States ^{1/}	67,123	68,150	-1.5%	1,243,048	1,297,704	-4.2%	3,964,734	4,011,384	-1.2%
Coal Regions Only ^{2/}	57,273	58,349	-1.8%	1,064,618	1,116,458	-4.6%	3,403,487	3,446,534	-1.2%

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*.

AMERICAN IRON AND STEEL INSTITUTE
 25 Massachusetts Avenue, NW, Suite 800
 Washington, D.C. 20001

April 25, 2016

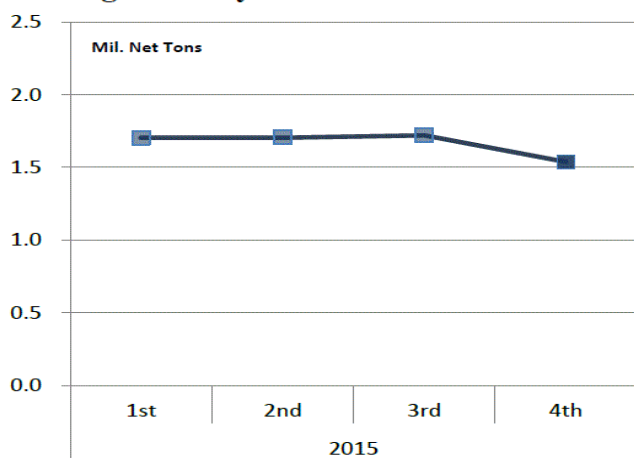
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Week Ending</u>	
				<u>Apr 23</u>	<u>Apr 16</u>	
<u>Week Ending</u>				North East	211	206
				Great Lakes	632	639
April 23, 2016	1,684	-0.5	72.0	Midwest	182	188
April 23, 2015	1,649	2.1	69.8	Southern	570	571
April 16, 2016	1,693	2.2	72.4	Western	89	89
				Total	1,684	1,693
<u>Year-to-Date +</u>						
April 23, 2016	28,213	-2.2	70.6			
April 23, 2015	28,843	-	71.5			

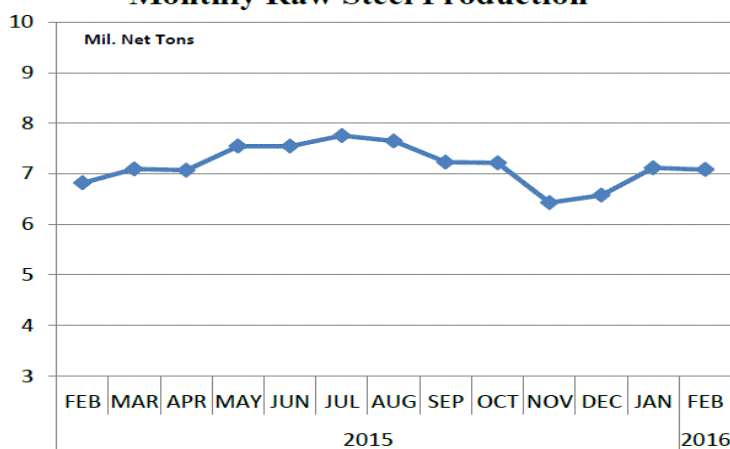
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 first quarter 2016 is approximately 30.5 million net tons vs. 30.4 million net tons for the same period last year, and 31.4 million tons for the fourth quarter of 2015.

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

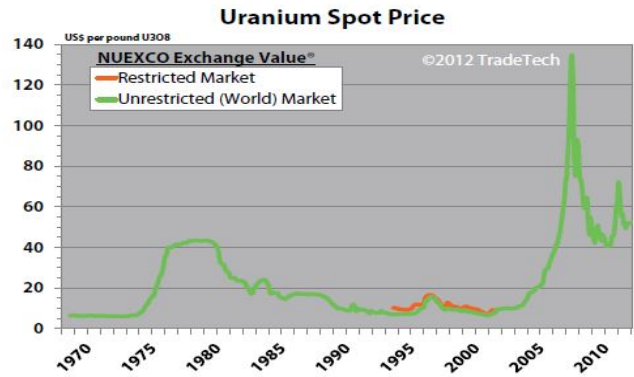
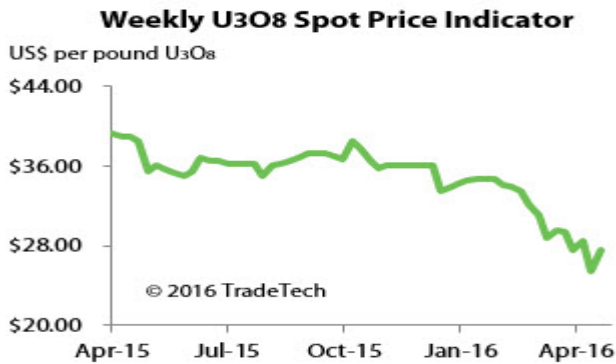


Source: Kitco website - www.kitco.com/connecting.html



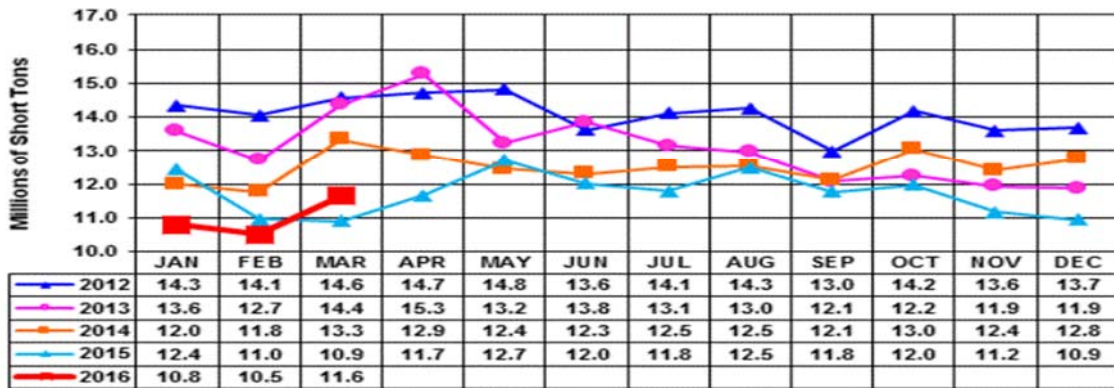
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



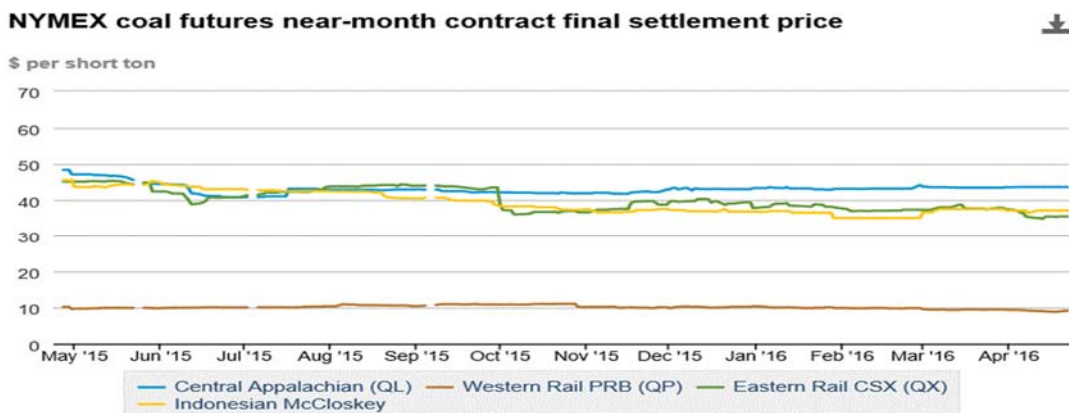
Source: Trade Tech, Uranium Info Website – www.uranium.info

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

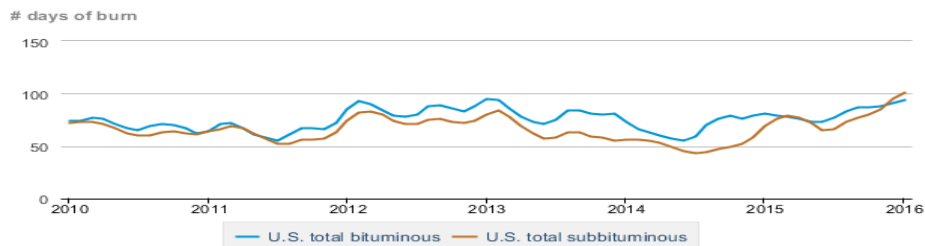
Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	03/25/16	04/01/16	04/08/16	04/15/16	04/22/16	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$42.25	\$42.30	\$42.30	\$42.30	\$42.30	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$48.60	\$46.60	\$46.60	\$46.60	\$46.60	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$32.20	\$31.70	\$31.70	\$31.70	\$31.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$9.45	\$9.35	\$9.35	\$9.35	\$9.35	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$38.05	\$37.80	\$37.80	\$37.80	\$37.80	\$0.00

Source: With permission, [SNL Energy](#)

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

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



Source: U.S. Energy Information Administration

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

Temperature -- heating & cooling degree days (week ending Apr 14)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	151	8	30	0	0	0
Middle Atlantic	157	31	52	0	0	0
E N Central	174	44	92	0	0	0
W N Central	138	16	54	0	-1	-1
South Atlantic	90	26	53	14	1	-25
E S Central	79	21	56	0	-5	-17
W S Central	27	-1	9	23	5	-10
Mountain	79	-41	-20	4	-3	-2
Pacific	54	-16	-3	0	-2	0
United States	112	15	42	5	0	-7

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	2015 Year to Date - 4th Quarter	2014 Year to Date - 4th Quarter	Percent Change
Aluminum, secondary (000 Mt.)	792.0	843.0	-6%
Cement (Mil. Mt.)	81.9	81.0	1%
Copper (000 Mt.)	1,380.0	1,350.0	2%
Gold (Mt.)	214.0	210.0	2%
Gypsum (Mil. Mt.)	15.0	14.7	2%
Iron Ore (Mil. Mt.)	43.1	54.3	-21%
Lead (000 Mt.)	358.0	367.0	-2%
Molybdenum (000 Mt.)	50.3	67.9	-26%
Phosphate rock (Mil. Mt.)	27.8	26.7	4%
Sand & gravel, construction (Mil. Mt.)	870.0	842.0	3%
Silver (Mt.)	1,070.0	1,180.0	-9%
Soda ash (Mil. Mt.)	11.6	11.7	-1%
Stone, crushed (Mil. Mt.)	1,320.0	1,250.0	6%
Zinc (000 Mt.)	773.0	803.0	-4%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2015 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	January 2016		January 2015		% Change of Stocks	December 2015		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	7,963	100	7,049	91	13.0%	8,431	92	-5.5%
	Subbituminous	652	220	785	205	-17.0%	675	174	-3.4%
South	Bituminous	35,808	97	33,101	85	8.2%	38,762	95	-7.6%
	Subbituminous	7,792	98	6,184	82	26.0%	8,145	97	-4.3%
Midwest	Bituminous	17,447	91	14,415	74	21.0%	18,625	88	-6.3%
	Subbituminous	46,652	87	33,409	58	39.6%	48,526	82	-3.9%
West	Bituminous	4,852	78	4,515	69	7.5%	5,331	77	-9.0%
	Subbituminous	40,971	121	28,826	82	42.1%	40,914	116	0.1%
U.S. Total	Bituminous	66,071	94	59,079	81	11.8%	71,149	91	-7.1%
	Subbituminous	96,066	101	69,204	69	38.8%	98,260	95	-2.2%

Source: Energy Information Administration, *Electricity Monthly Update*

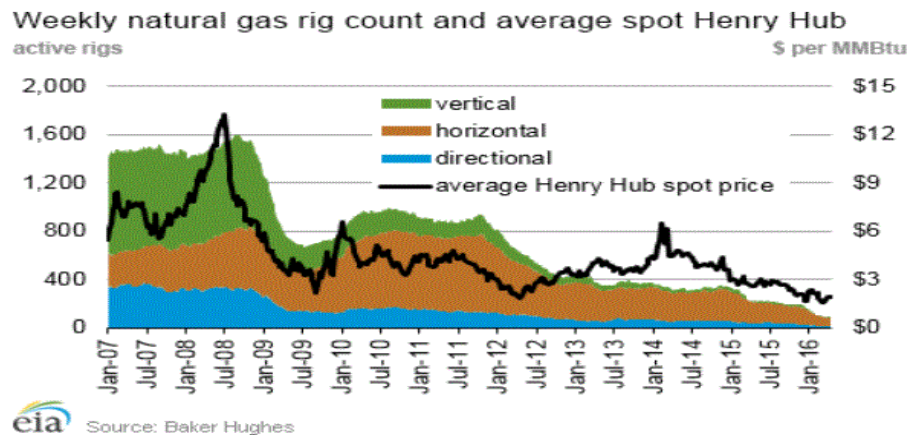
Working gas in underground storage

Region	Stocks billion cubic feet (bcf)		
	2016-04-15	2016-04-08	change
East	408	419	-11
Midwest	538	538	0
Mountain	152	150	2
Pacific	271	269	2
South Central	1,115	1,101	14
Total	2,484	2,477	7

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Natural Gas Weekly Update*

EIA Natural Gas Rig Count and Price Trend



Source: Baker Hughes

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		
	April 2016	May 2016	change	April 2016	May 2016	change
Bakken	757	767	10	957	966	9
Eagle Ford	840	852	12	2,829	2,838	9
Haynesville	27	27	-	5,406	5,476	70
Marcellus	65	65	-	10,851	10,987	136
Niobrara	863	885	22	2,544	2,609	65
Permian	458	468	10	838	846	8
Utica	319	331	12	7,036	7,115	79
Rig-weighted average	541	532	(9)	2,690	2,836	146

Source: Energy Information Administration, *Drilling Productivity Report*