
National Mining Association

Weekly Statistical Summary

November 25, 2016 Edition
(Data for Week Ending November 19, 2016)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 54, No. 47
Dated 11/25/16

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/19/16	11/21/15	% Chng	11/19/16	11/19/15	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	17,232	16,165	6.6%	657,482	810,076	-18.8%
52 Weeks Ended	739,821	922,520	-19.8%			
AAR Coal Rail Cars Loaded:	94,751	92,998	1.9%	3,612,411	4,650,934	-22.3%
Coal Production Month Ended - Oct.	Oct 16/15		% Chng	Jan - Oct 16/15		% Chng
	73,020	75,662	-3.5%	611,137	765,403	-20.2%

DOC Bituminous Coal Trade (000 Tons)

Exports:	September 16/15			Jan - September 16/15		
			% Chng			% Chng
Metallurgical	2,828	3,436	-17.7%	29,291	36,560	-19.9%
Steam *	1,406	1,931	-27.2%	11,271	21,806	-48.3%
Lignite	5	6	-16.7%	51	47	8.5%
Anthracite	37	18	105.6%	351	276	27.2%
Total	4,276	5,391	-20.7%	40,964	58,689	-30.2%
Imports:	800	904	-11.5%	7,722	8,613	-10.3%

	Week Ended			Cumulative Jan 1 to		
	11/19/16	11/21/15	% Chng	11/19/16	11/21/15	% Chng
EI Electric Total Output (Mil. Kwh)	68,835	70,133	-1.9%	3,644,443	3,657,495	-0.4%
EI Coal Region Output (Mil. Kwh)	58,731	59,663	-1.6%	3,140,744	3,148,173	-0.2%
AISI Raw Steel Output (000 Tons)	1,606	1,500	7.1%	78,313	79,488	-1.5%

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

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	11/18/16	11/11/16	% Chng	Wed.	11/16/16
Central App, 12,500 Btu, 1.2 SO ₂	\$45.05	\$45.05	0.0%	Henry Hub	2.53
Northern App, 13,000 Btu, < 3.0 SO ₂	42.25	42.25	0.0%	New York	2.14
Illinois Basin, 11,800, 5.0 SO ₂	33.25	33.25	0.0%	Chicago	2.42
Powder River Basin, 8,800 Btu 0.8 SO ₂	9.00	9.00	0.0%	Cal.Comp.Avg.	2.60
Uinta Basin, 11,700 Btu, 0.8 SO ₂	39.40	39.40	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		
	11/19/2016 (week 47)	11/12/2016 (week 46)	11/21/2015 (week 47)	11/19/2016	11/19/2015	% Change	11/19/2016	11/21/2015	% Change
Alabama	196	172	184	8,323	12,205	-31.8	9,259	13,967	-33.7
Alaska	29	29	24	1,032	1,047	-1.4	1,156	1,191	-2.9
Arizona	112	112	107	4,781	6,228	-23.2	5,328	7,140	-25.4
Arkansas	1	1	1	54	84	-36.0	61	100	-39.0
Colorado	234	215	254	10,636	17,513	-39.3	11,930	19,985	-40.3
Illinois	1,061	963	934	41,474	51,207	-19.0	46,232	58,026	-20.3
Indiana	635	637	567	26,203	31,251	-16.2	29,089	35,639	-18.4
Kansas	3	4	4	105	176	-40.3	127	199	-36.2
Kentucky Total	1,015	977	1,008	40,838	56,014	-27.1	45,975	64,046	-28.2
Eastern (KY)	414	386	449	16,751	25,696	-34.8	19,039	29,445	-35.3
Western (KY)	600	591	559	24,086	30,318	-20.6	26,936	34,601	-22.2
Louisiana	72	69	60	2,789	3,118	-10.6	3,093	3,608	-14.3
Maryland	33	32	33	1,327	1,743	-23.8	1,497	1,957	-23.5
Mississippi	63	68	48	2,586	2,883	-10.3	2,833	3,207	-11.7
Missouri	2	3	1	153	132	16.5	160	160	s
Montana	746	690	744	28,156	37,864	-25.6	31,948	43,511	-26.6
New Mexico	444	413	383	15,376	17,619	-12.7	17,329	19,799	-12.5
North Dakota	750	658	542	26,191	25,887	1.2	28,954	29,223	-0.9
Ohio	328	336	288	13,075	15,491	-15.6	14,544	17,685	-17.8
Oklahoma	16	16	14	622	704	-11.7	694	797	-12.9
Pennsylvania Total	984	969	860	40,154	46,251	-13.2	44,534	53,028	-16.0
Anthracite (PA)	50	48	42	1,791	1,914	-6.4	2,007	2,148	-6.6
Bituminous (PA)	934	921	818	38,363	44,337	-13.5	42,528	50,881	-16.4
Tennessee	21	21	17	758	808	-6.1	843	916	-8.0
Texas	1,035	1,060	736	36,174	31,961	13.2	39,925	36,860	8.3
Utah	323	323	267	12,633	12,984	-2.7	13,993	14,955	-6.4
Virginia	309	307	259	11,933	12,931	-7.7	13,250	14,557	-9.0
West Virginia Total	1,862	1,739	1,674	71,136	86,640	-17.9	79,661	98,393	-19.0
Northern (WV)	1,074	1,026	935	38,853	42,761	-9.1	43,616	48,250	-9.6
Southern (WV)	787	714	739	32,283	43,879	-26.4	36,044	50,144	-28.1
Wyoming	6,957	6,958	7,152	260,972	337,337	-22.6	297,404	383,569	-22.5
Appalachian Total	4,147	3,961	3,763	163,459	201,764	-19.0	182,629	229,949	-20.6
Interior Total	3,490	3,412	2,926	134,246	151,833	-11.6	149,150	173,197	-13.9
Western Total	9,595	9,397	9,475	359,777	456,479	-21.2	408,042	519,374	-21.4
East of Mississippi River	6,507	6,220	5,872	257,808	317,423	-18.8	287,719	361,423	-20.4
West of Mississippi River	10,725	10,550	10,292	399,674	492,653	-18.9	452,102	561,098	-19.4
Bituminous and Lignite	17,182	16,723	16,122	655,692	808,162	-18.9	737,814	920,373	-19.8
Anthracite	50	48	42	1,791	1,914	-6.4	2,007	2,148	-6.6
U.S. Total	17,232	16,770	16,165	657,482	810,076	-18.8	739,821	922,520	-19.8
Railroad Cars Loaded	94,751	92,184	92,998	3,612,411	4,650,934	-22.3	4,089,276	5,311,273	-23.0

Source: Energy Information Administration

Prepared by EEI's Business Information Group



WEEKLY ELECTRIC OUTPUT

Volume 84 No. 47

OUTPUT FOR WEEK ENDED - Nov 19, 2016

Nov 23, 2016

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Nov 19, 2016** was **68,835** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **180** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended November 19		52 Weeks Ended November 19	
	GWh Output	% Increase Over Corresponding Week of 2015	GWh Output	% Increase Over Corresponding Period of 2015
New England	2,151	-3.5	123,230	-3.5
Mid-Atlantic	7,475	-0.4	432,760	-3.3
Central Industrial	11,820	-3.5	672,604	-0.9
West Central	5,638	-3.5	329,136	-0.6
Southeast	17,499	-1.3	1,023,514	-0.2
South Central	11,486	1.7	713,343	0.7
Rocky Mountain	4,813	-4.6	276,535	0.2
Pacific Northwest	3,007	-6.7	151,843	0.3
Pacific Southwest	4,946	-1.5	283,369	-0.4
Total United States	68,835	-1.9	4,006,335	-0.6

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2016	Week Ended	2015	% Inc. (16/15)	52 Weeks Ended	2016	% Inc. (16/15)
Oct 29	68,955	Oct 31	68,293	1.0	Oct 29	4,007,757	-1.0
Nov 05	69,752	Nov 07	68,619	1.7	Nov 05	4,008,891	-0.9
Nov 12	68,087	Nov 14	69,344	-1.8	Nov 12	4,007,633	-0.8
Nov 19	68,835	Nov 21	70,133	-1.9	Nov 19	4,006,335	-0.6
Nov 19	3,644,443	Nov 21	3,657,495	-0.4	YEAR TO DATE, FIRST 47 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2016	Week Ended	2015	Week Ended	2014
Oct 29	180	Oct 31	157	Nov 01	179
Nov 05	186	Nov 07	158	Nov 08	191
Nov 12	179	Nov 14	158	Nov 15	201
Nov 19	180	Nov 21	161	Nov 22	214

* 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		
	19-Nov 2016 GWh Output	21-Nov 2015 GWh Output	% Increase Over Corresponding Week of 2015	19-Nov 2016 GWh Output	21-Nov 2015 GWh Output	% Increase Over Corresponding Week of 2015	19-Nov 2016 GWh Output	21-Nov 2015 GWh Output	% Increase Over Corresponding Week of 2015
New England	2,151	2,230	-3.5%	111,829	115,493	-3.2%	123,230	127,700	-3.5%
Mid-Atlantic	7,475	7,506	-0.4%	394,061	405,657	-2.9%	432,760	447,346	-3.3%
Central Industrial	11,820	12,246	-3.5%	610,225	611,935	-0.3%	672,604	678,997	-0.9%
West Central	5,638	5,845	-3.5%	298,944	299,644	-0.2%	329,136	331,120	-0.6%
Southeast	17,499	17,724	-1.3%	934,677	931,932	0.3%	1,023,514	1,025,250	-0.2%
South Central	11,486	11,297	1.7%	653,906	649,792	0.6%	713,343	708,610	0.7%
Rocky Mountain	4,813	5,045	-4.6%	248,931	249,213	-0.1%	276,535	275,881	0.2%
Pacific Northwest	3,007	3,221	-6.6%	134,102	134,409	-0.2%	151,843	151,321	0.3%
Pacific Southwest	4,946	5,019	-1.5%	257,767	259,423	-0.6%	283,369	284,483	-0.4%
Total United States ^{1/}	68,835	70,133	-1.9%	3,644,442	3,657,498	-0.4%	4,006,334	4,030,708	-0.6%
Coal Regions Only ^{2/}	58,731	59,663	-1.6%	3,140,744	3,148,173	-0.2%	3,447,892	3,467,204	-0.6%

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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November 21, 2016

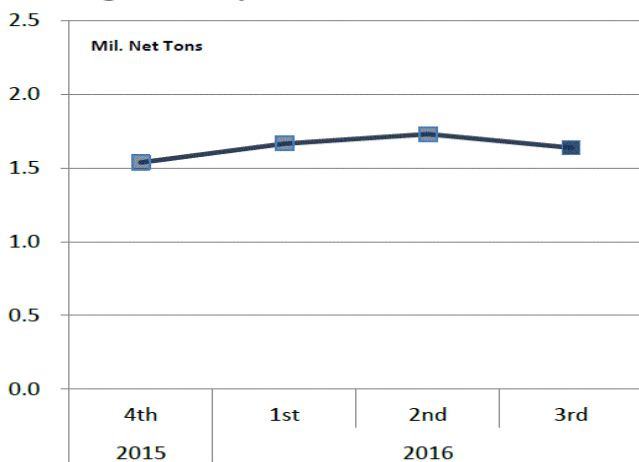
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Nov. 19</u>	<u>Nov. 12</u>	
<u>Week Ending</u>				North East	196	198
				Great Lakes	617	599
November 19, 2016	1,606	1.6	67.7	Midwest	150	154
November 19, 2015	1,500	7.1	62.7	Southern	579	560
November 12, 2016	1,580	-1.4	66.6	Western	64	69
				Total	1,606	1,580
<u>Year-to-Date +</u>						
November 19, 2016	78,313	-1.5	71.1			
November 19, 2015	79,488	-	70.9			

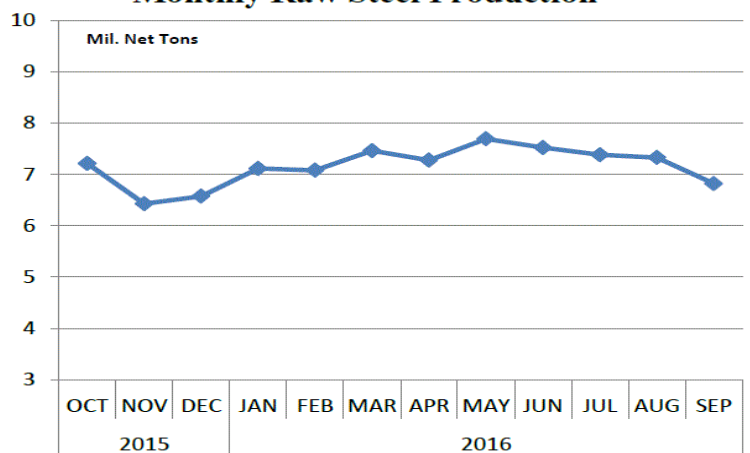
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

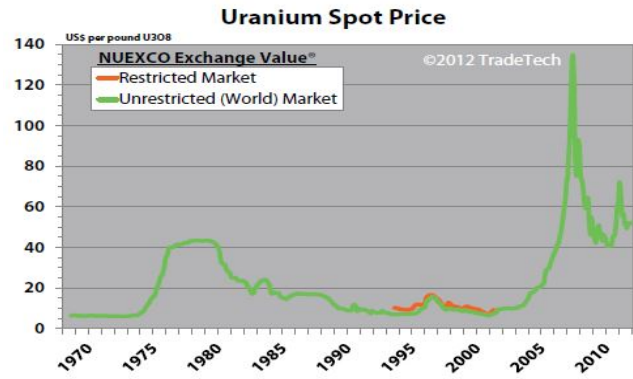
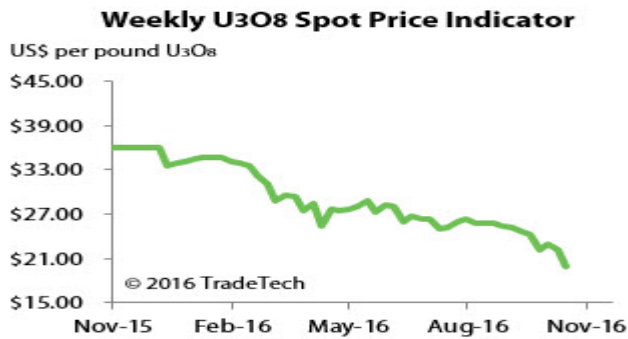


Source: Kitco website - www.kitco.com/connecting.html



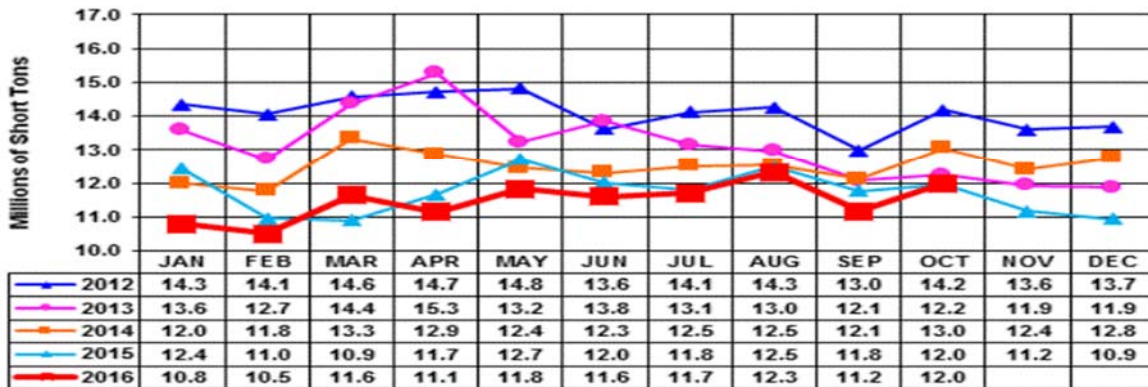
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



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

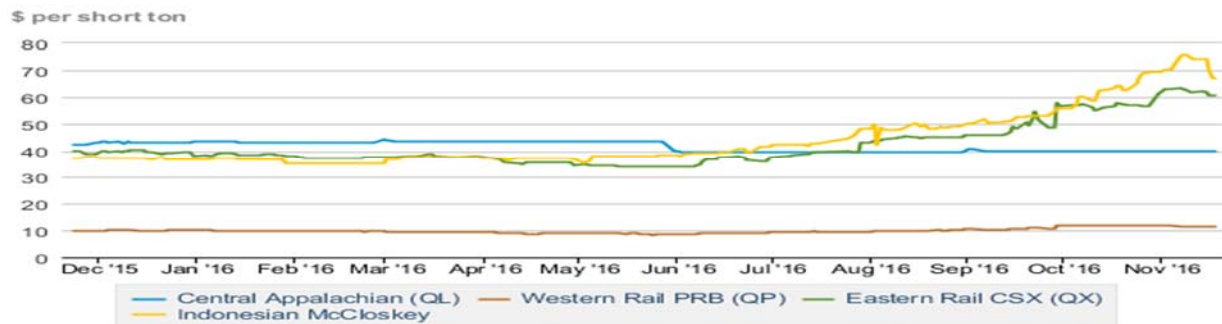
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

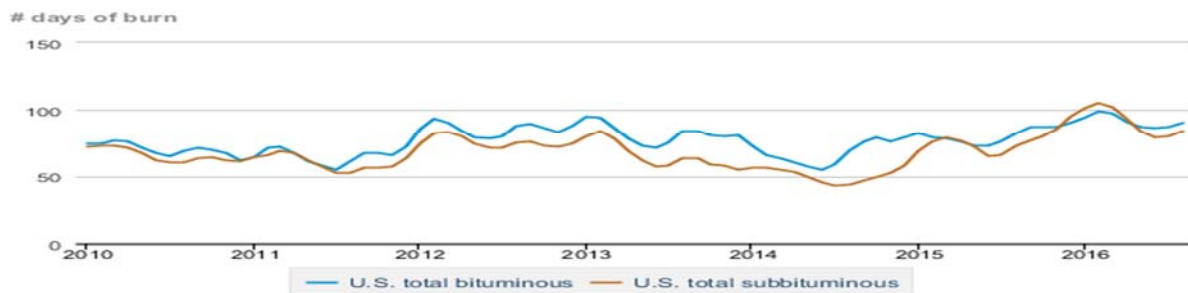
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	10/21/16	10/28/16	11/04/16	11/11/16	11/18/16	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$45.05	\$45.05	\$45.05	\$45.05	\$45.05	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$42.25	\$42.25	\$42.25	\$42.25	\$42.25	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$33.25	\$33.25	\$33.25	\$33.25	\$33.25	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$39.40	\$39.40	\$39.40	\$39.40	\$39.40	\$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 - August 2016



 Source: U.S. Energy Information Administration

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

Region	Temperature -- heating & cooling degree days (week ending Nov 10)					
	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	144	-1	45	0	0	0
Middle Atlantic	117	-19	32	0	0	0
E N Central	100	-53	-18	0	0	0
W N Central	88	-78	-31	0	0	0
South Atlantic	74	-13	24	16	1	-18
E S Central	60	-29	7	3	1	-7
W S Central	24	-31	-5	23	13	0
Mountain	88	-62	-71	7	5	7
Pacific	17	-53	-73	6	5	6
United States	76	-42	-16	7	2	-2

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 - 2nd Quarter	2015 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	450.0	374.0	20%
Cement (Mil. Mt.)	38.9	36.6	6%
Copper (000 Mt.)	703.0	665.0	6%
Gold (Mt.)	103.0	97.7	5%
Gypsum (Mil. Mt.)	8.3	7.3	14%
Iron Ore (Mil. Mt.)	19.2	23.4	-18%
Lead (000 Mt.)	177.0	188.0	-6%
Molybdenum (000 Mt.)	17.7	27.3	-35%
Phosphate rock (Mil. Mt.)	12.7	13.8	-8%
Sand & gravel, construction (Mil. Mt.)	443.0	410.0	8%
Silver (Mt.)	567.0	551.0	3%
Soda ash (Mil. Mt.)	5.8	5.8	0%
Stone, crushed (Mil. Mt.)	648.0	582.0	11%
Zinc (000 Mt.)	404.0	417.0	-3%

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	August 2016		August 2015		% Change of Stocks	July 2016		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	5,285	98	5,938	100	-11.0%	6,320	115	-16.4%
	Subbituminous	153	131	780	216	-80.4%	163	134	-6.3%
South	Bituminous	28,550	86	30,155	82	-5.3%	30,996	81	-7.9%
	Subbituminous	5,899	67	5,504	61	7.2%	6,510	69	-9.4%
Midwest	Bituminous	16,831	99	14,764	82	14.0%	17,322	92	-2.8%
	Subbituminous	40,679	82	36,662	67	11.0%	42,951	78	-5.3%
West	Bituminous	5,715	79	5,231	69	9.3%	5,689	75	0.5%
	Subbituminous	31,529	92	30,888	84	2.1%	33,520	85	-5.9%
U.S. Total	Bituminous	56,382	90	56,088	82	0.5%	60,327	87	-6.5%
	Subbituminous	78,259	84	73,833	73	6.0%	83,144	80	-5.9%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

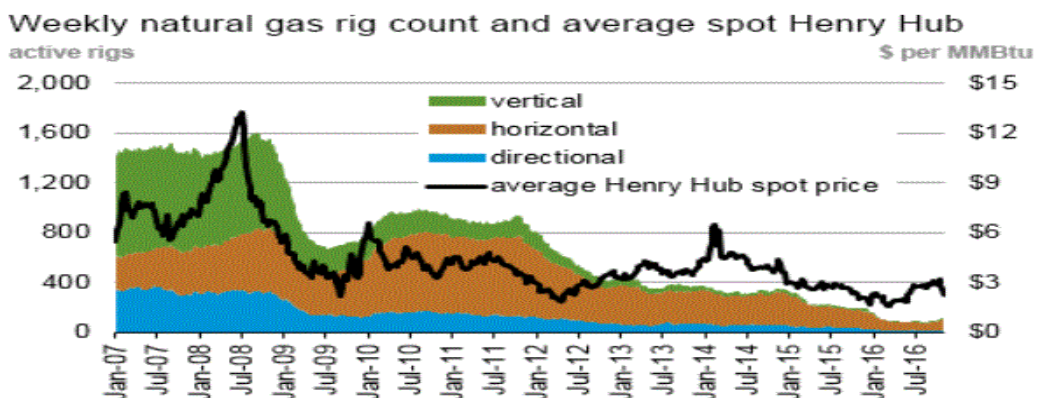
EIA Working Natural Gas Underground Storage

Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2016-11-11	2016-11-04	change
East	944	946	-2
Midwest	1,155	1,148	7
Mountain	257	253	4
Pacific	328	327	1
South Central	1,363	1,343	20
Total	4,047	4,017	30

Source: U.S. Energy Information Administration

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		
	November 2016	December 2016	change	November 2016	December 2016	change
Bakken	927	949	22	1,296	1,343	47
Eagle Ford	1,280	1,307	27	3,525	3,586	61
Haynesville	30	30	-	5,982	6,062	80
Marcellus	69	69	-	12,130	12,290	160
Niobrara	1,142	1,177	35	3,683	3,794	111
Permian	604	611	7	999	1,007	8
Utica	132	123	(9)	8,502	8,579	77
Rig-weighted average	649	643	(6)	2,998	3,120	122

Source: Energy Information Administration, *Drilling Productivity Report*