
National Mining Association

Weekly Statistical Summary

December 2, 2016 Edition
(Data for Week Ending November 26, 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. 48
Dated 12/02/16

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/26/16	11/28/15	% Chng	11/26/16	11/26/15	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,190	14,982	1.4%	672,673	825,389	-18.5%
52 Weeks Ended	740,029	918,362	-19.4%			
AAR Coal Rail Cars Loaded:	83,542	86,194	-3.1%	3,695,953	4,739,026	-22.0%
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		
	11/26/16	11/28/15	% Chng	11/26/16	11/28/15	% Chng
EI Electric Total Output (Mil. Kwh)	68,207	70,149	-2.8%	3,712,649	3,727,644	-0.4%
EI Coal Region Output (Mil. Kwh)	58,251	59,587	-2.2%	3,198,995	3,207,760	-0.3%
AISI Raw Steel Output (000 Tons)	1,598	1,500	6.5%	79,911	80,988	-1.3%

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

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	11/25/16	11/18/16	% 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		
	11/26/2016 (week 48)	11/19/2016 (week 47)	11/28/2015 (week 48)	11/26/2016	11/26/2015	% Change	11/26/2016	11/28/2015	% Change
Alabama	164	196	170	8,487	12,379	-31.4	9,253	13,834	-33.1
Alaska	25	29	23	1,057	1,070	-1.2	1,158	1,189	-2.6
Arizona	100	112	99	4,881	6,330	-22.9	5,328	7,083	-24.8
Arkansas	1	1	1	55	85	-35.8	61	98	-37.8
Colorado	208	234	236	10,844	17,754	-38.9	11,903	19,795	-39.9
Illinois	896	1,061	866	42,370	52,092	-18.7	46,262	57,729	-19.9
Indiana	564	635	525	26,767	31,787	-15.8	29,128	35,414	-17.8
Kansas	3	3	4	109	180	-39.8	126	199	-36.7
Kentucky Total	891	1,015	935	41,728	56,970	-26.8	45,931	63,606	-27.8
Eastern (KY)	361	414	416	17,112	26,122	-34.5	18,984	29,218	-35.0
Western (KY)	530	600	518	24,616	30,848	-20.2	26,947	34,388	-21.6
Louisiana	65	72	55	2,854	3,174	-10.1	3,103	3,579	-13.3
Maryland	29	33	31	1,356	1,774	-23.6	1,495	1,952	-23.4
Mississippi	58	63	45	2,644	2,929	-9.7	2,846	3,197	-11.0
Missouri	2	2	1	156	133	17.2	161	156	3.2
Montana	648	746	690	28,804	38,569	-25.3	31,906	43,237	-26.2
New Mexico	381	444	355	15,758	17,982	-12.4	17,355	19,787	-12.3
North Dakota	615	750	503	26,805	26,401	1.5	29,066	29,161	-0.3
Ohio	292	328	267	13,367	15,764	-15.2	14,569	17,577	-17.1
Oklahoma	14	16	13	636	718	-11.4	695	794	-12.5
Pennsylvania Total	873	984	797	41,027	47,065	-12.8	44,611	52,666	-15.3
Anthracite (PA)	44	50	39	1,834	1,954	-6.1	2,011	2,148	-6.4
Bituminous (PA)	830	934	758	39,193	45,111	-13.1	42,600	50,518	-15.7
Tennessee	18	21	15	777	823	-5.7	846	913	-7.3
Texas	920	1,035	683	37,093	32,658	13.6	40,162	36,710	9.4
Utah	284	323	248	12,917	13,237	-2.4	14,030	14,866	-5.6
Virginia	270	309	240	12,204	13,176	-7.4	13,281	14,521	-8.5
West Virginia Total	1,591	1,862	1,551	72,727	88,225	-17.6	79,701	97,943	-18.6
Northern (WV)	923	1,074	867	39,776	43,646	-8.9	43,672	48,189	-9.4
Southern (WV)	668	787	684	32,951	44,579	-26.1	36,028	49,754	-27.6
Wyoming	6,278	6,957	6,629	267,250	344,113	-22.3	297,053	382,354	-22.3
Appalachian Total	3,599	4,147	3,488	167,057	205,329	-18.6	182,739	228,625	-20.1
Interior Total	3,053	3,490	2,712	137,299	154,605	-11.2	149,490	172,265	-13.2
Western Total	8,539	9,595	8,782	368,316	465,455	-20.9	407,799	517,472	-21.2
East of Mississippi River	5,646	6,507	5,442	263,454	322,985	-18.4	287,923	359,353	-19.9
West of Mississippi River	9,544	10,725	9,539	409,218	502,404	-18.5	452,106	559,009	-19.1
Bituminous and Lignite	15,147	17,182	14,943	670,838	823,435	-18.5	738,018	916,214	-19.4
Anthracite	44	50	39	1,834	1,954	-6.1	2,011	2,148	-6.4
U.S. Total	15,190	17,232	14,982	672,673	825,389	-18.5	740,029	918,362	-19.4
Railroad Cars Loaded	83,542	94,751	86,194	3,695,953	4,739,026	-22.0	4,086,624	5,285,732	-22.7

Source: Energy Information Administration

Prepared by EEI's Business Information Group

EEI
WEEKLY ELECTRIC OUTPUT

Volume 84 No. 48

OUTPUT FOR WEEK ENDED - Nov 26, 2016

Nov 30, 2016

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Nov 26, 2016** was **68,207** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **176** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended November 26		52 Weeks Ended November 26	
	GWh Output	% Increase Over Corresponding Week of 2015	GWh Output	% Increase Over Corresponding Period of 2015
New England	2,246	1.0	123,252	-3.4
Mid-Atlantic	7,786	2.8	432,969	-3.1
Central Industrial	11,901	-0.1	672,590	-0.8
West Central	5,615	-2.2	329,008	-0.5
Southeast	17,327	-0.5	1,023,428	-0.1
South Central	11,390	-3.3	712,954	0.6
Rocky Mountain	4,232	-18.0	275,606	-0.1
Pacific Northwest	2,934	-15.2	151,318	-0.3
Pacific Southwest	4,776	-2.1	283,267	-0.4
Total United States	68,207	-2.8	4,004,392	-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)
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 26	68,207	Nov 28	70,149	-2.8	Nov 26	4,004,392	-0.6
Nov 26	3,712,649	Nov 28	3,727,644	-0.4	YEAR TO DATE, FIRST 48 WEEKS		

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

Week Ended	2016	Week Ended	2015	Week Ended	2014
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
Nov 26	176	Nov 28	161	Nov 29	190

* 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		
	26-Nov 2016 GWh Output	28-Nov 2015 GWh Output	% Increase Over Corresponding Week of 2015	26-Nov 2016 GWh Output	28-Nov 2015 GWh Output	% Increase Over Corresponding Week of 2015	26-Nov 2016 GWh Output	28-Nov 2015 GWh Output	% Increase Over Corresponding Week of 2015
New England	2,246	2,225	0.9%	114,075	117,718	-3.1%	123,252	127,593	-3.4%
Mid-Atlantic	7,786	7,577	2.8%	401,847	413,234	-2.8%	432,969	446,851	-3.1%
Central Industrial	11,901	11,916	-0.1%	622,126	623,851	-0.3%	672,590	678,053	-0.8%
West Central	5,615	5,742	-2.2%	304,559	305,386	-0.3%	329,008	330,730	-0.5%
Southeast	17,327	17,412	-0.5%	952,004	949,344	0.3%	1,023,428	1,024,428	-0.1%
South Central	11,390	11,779	-3.3%	665,296	661,571	0.6%	712,954	708,983	0.6%
Rocky Mountain	4,232	5,161	-18.0%	253,163	254,374	-0.5%	275,606	275,995	-0.1%
Pacific Northwest	2,934	3,459	-15.2%	137,036	137,868	-0.6%	151,318	151,747	-0.3%
Pacific Southwest	4,776	4,878	-2.1%	262,543	264,301	-0.7%	283,267	284,542	-0.4%
Total United States ^{1/}	68,207	70,149	-2.8%	3,712,649	3,727,647	-0.4%	4,004,392	4,028,922	-0.6%
Coal Regions Only ^{2/}	58,251	59,587	-2.2%	3,198,995	3,207,760	-0.3%	3,446,555	3,465,040	-0.5%

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

November 28, 2016

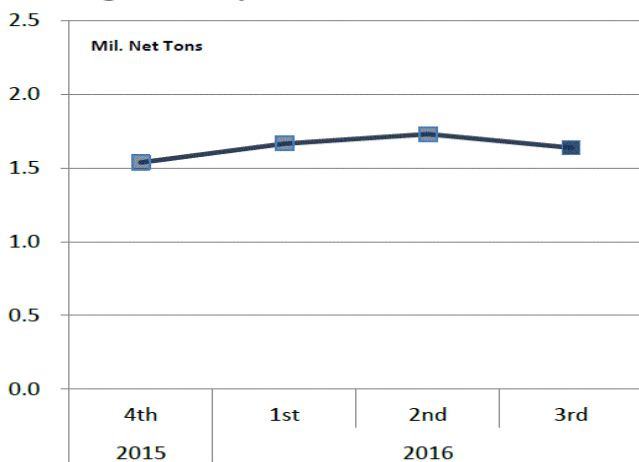
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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. 26</u>	<u>Nov. 19</u>	
<u>Week Ending</u>				North East	202	196
				Great Lakes	630	617
November 26, 2016	1,598	-0.5	67.4	Midwest	158	150
November 26, 2015	1,500	6.5	62.7	Southern	547	579
November 19, 2016	1,606	1.6	67.7	Western	61	64
				Total	1,598	1,606
<u>Year-to-Date +</u>						
November 26, 2016	79,911	-1.3	71.0			
November 26, 2015	80,988	-	70.9			

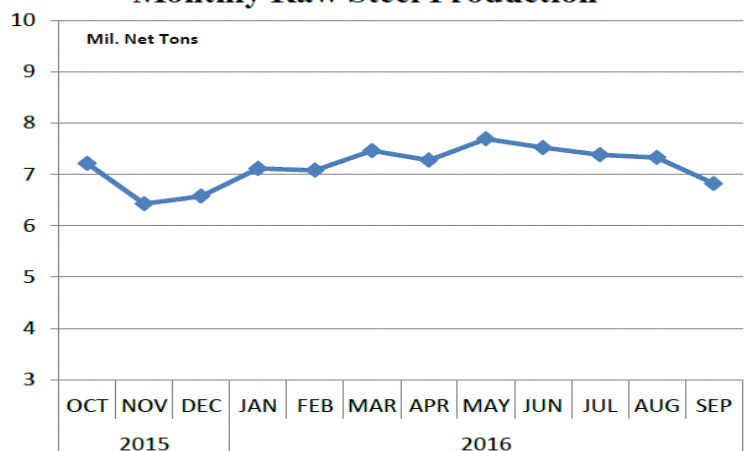
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

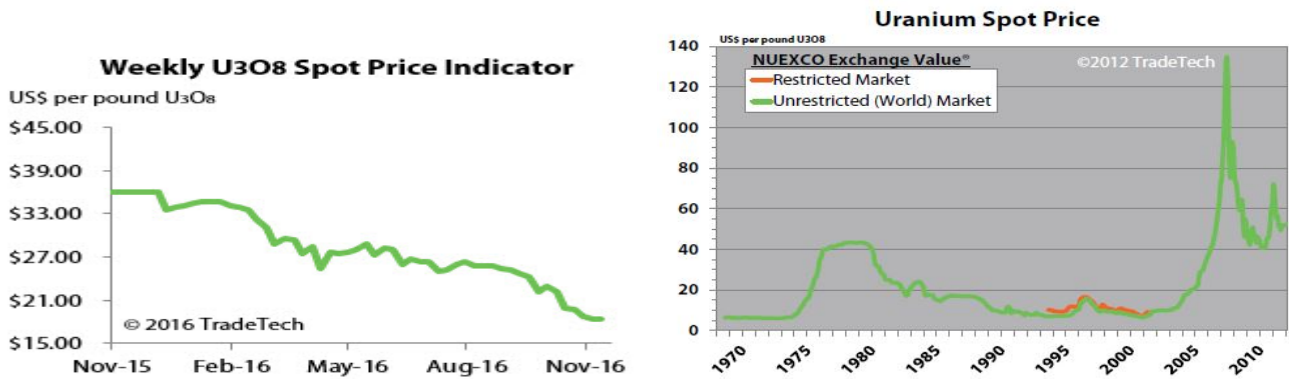


Source: Kitco website - www.kitco.com/connecting.html

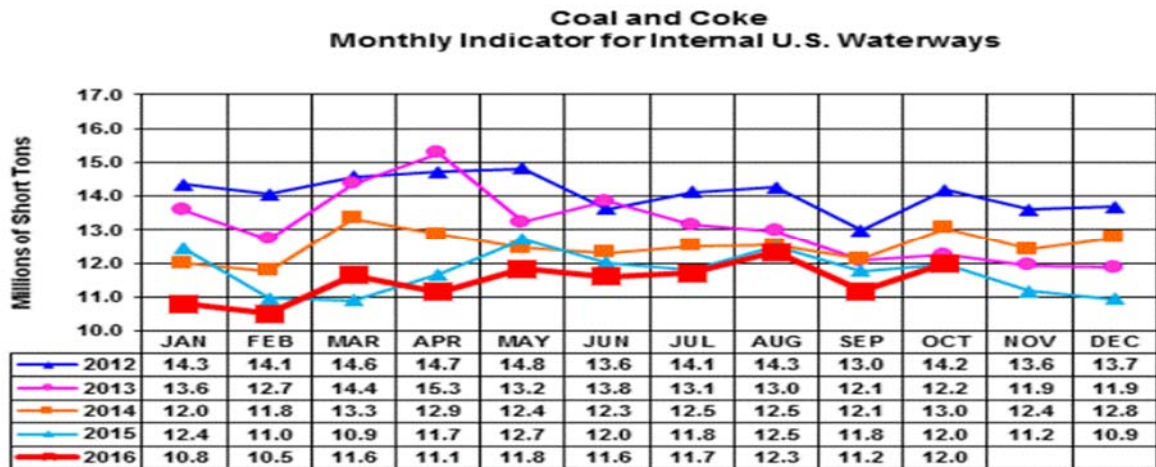


Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators

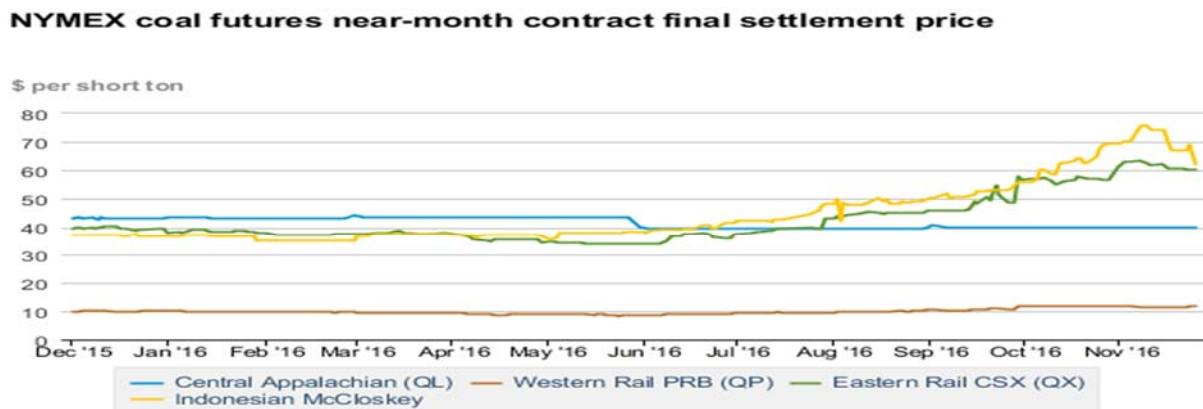


Source: Trade Tech, Uranium Info Website – www.uranium.info



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
	10/28/16	11/04/16	11/11/16	11/18/16	11/25/16	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$45.05	\$45.05	\$45.05	\$45.05	NA	NA
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$42.25	\$42.25	\$42.25	\$42.25	NA	NA
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$33.25	\$33.25	\$33.25	\$33.25	NA	NA
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$9.00	\$9.00	\$9.00	\$9.00	NA	NA
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$39.40	\$39.40	\$39.40	\$39.40	NA	NA

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

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



 Source: U.S. Energy Information Administration

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

Temperature -- heating & cooling degree days (week ending Nov 10)

Region	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	September 2016		September 2015			August 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	5,487	95	6,924	102	-20.8%	5,291	98	3.7%
	Subbituminous	136	97	758	201	-82.0%	153	131	-10.7%
South	Bituminous	27,339	88	31,931	89	-14.4%	27,916	84	-2.1%
	Subbituminous	5,631	68	5,586	62	0.8%	5,899	67	-4.5%
Midwest	Bituminous	16,549	99	15,023	82	10.2%	16,831	99	-1.7%
	Subbituminous	40,862	84	38,090	69	7.3%	40,679	82	0.4%
West	Bituminous	5,885	84	5,378	73	9.4%	5,715	79	3.0%
	Subbituminous	30,830	95	32,155	90	-4.1%	31,529	92	-2.2%
U.S. Total	Bituminous	55,260	92	59,256	87	-6.7%	55,753	89	-0.9%
	Subbituminous	77,459	87	76,588	77	1.1%	78,259	84	-1.0%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

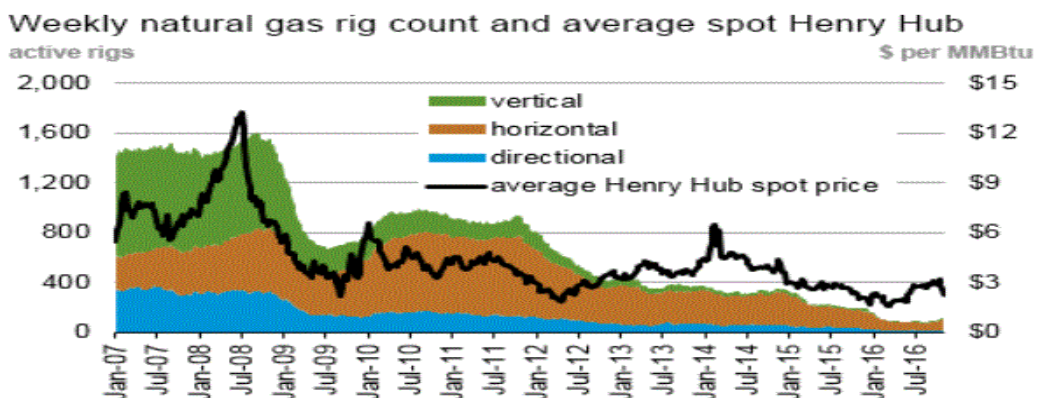
EIA Working Natural Gas Underground Storage

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*