
National Mining Association

Weekly Statistical Summary

November 11, 2016 Edition
(Data for Week Ending November 5, 2016)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 54, No. 45
Dated 11/11/16

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/05/16	11/07/15	% Chng	11/05/16	11/05/15	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	16,915	16,508	2.5%	623,485	777,289	-19.8%
52 Weeks Ended	738,552	928,158	-20.4%			
AAR Coal Rail Cars Loaded:	92,912	94,974	-2.2%	3,425,476	4,462,087	-23.2%
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		
	11/05/16	11/07/15	% Chng	11/05/16	11/07/15	% Chng
EI Electric Total Output (Mil. Kwh)	69,752	68,619	1.7%	3,507,521	3,518,018	-0.3%
EI Coal Region Output (Mil. Kwh)	59,764	58,660	1.9%	3,023,959	3,029,261	-0.2%
AISI Raw Steel Output (000 Tons)	1,602	1,537	4.2%	75,127	76,488	-1.8%

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

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	11/04/16	10/28/16	% Chng	Wed.	11/02/16
Central App, 12,500 Btu, 1.2 SO ₂	\$45.05	\$45.05	0.0%	Henry Hub	2.27
Northern App, 13,000 Btu, < 3.0 SO ₂	42.25	42.25	0.0%	New York	1.69
Illinois Basin, 11,800, 5.0 SO ₂	33.25	33.25	0.0%	Chicago	2.17
Powder River Basin, 8,800 Btu 0.8 SO ₂	9.00	9.00	0.0%	Cal.Comp.Avg.	2.20
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									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	11/5/2016 (week 45)	10/29/2016 (week 44)	11/7/2015 (week 45)	11/5/2016	11/5/2015	% Change	11/5/2016	11/7/2015	% Change
Alabama	183	193	188	7,955	11,832	-32.8	9,263	14,203	-34.8
Alaska	28	28	25	974	997	-2.3	1,147	1,191	-3.7
Arizona	111	111	110	4,558	6,010	-24.2	5,321	7,236	-26.5
Arkansas	1	1	1	51	81	-36.6	61	102	-40.2
Colorado	232	231	259	10,187	16,997	-40.1	11,996	20,323	-41.0
Illinois	997	1,047	954	39,450	49,310	-20.0	46,100	58,463	-21.1
Indiana	628	627	579	24,931	30,100	-17.2	28,964	35,995	-19.5
Kansas	4	3	4	98	168	-41.5	128	198	-35.4
Kentucky Total	992	1,001	1,030	38,846	53,947	-28.0	46,025	64,737	-28.9
Eastern (KY)	402	409	459	15,951	24,765	-35.6	19,148	29,803	-35.8
Western (KY)	590	592	571	22,895	29,182	-21.5	26,877	34,934	-23.1
Louisiana	72	71	61	2,648	2,996	-11.6	3,073	3,655	-15.9
Maryland	32	33	34	1,262	1,668	-24.3	1,500	1,955	-23.3
Mississippi	64	62	49	2,455	2,785	-11.8	2,800	3,219	-13.0
Missouri	3	2	1	148	129	14.7	157	168	-6.5
Montana	722	736	760	26,720	36,352	-26.5	32,020	43,936	-27.1
New Mexico	425	438	391	14,519	16,841	-13.8	17,247	19,760	-12.7
North Dakota	684	740	554	24,783	24,786	s	28,644	29,256	-2.1
Ohio	325	324	295	12,412	14,905	-16.7	14,465	17,852	-19.0
Oklahoma	15	16	14	590	676	-12.6	691	799	-13.5
Pennsylvania Total	978	975	878	38,207	44,801	-14.7	44,328	53,906	-17.8
Anthracite (PA)	48	49	43	1,693	1,828	-7.4	1,995	2,140	-6.8
Bituminous (PA)	929	926	835	36,514	42,974	-15.0	42,333	51,766	-18.2
Tennessee	20	20	17	717	774	-7.4	836	919	-9.0
Texas	1,024	1,022	752	34,078	30,465	11.9	39,320	37,036	6.2
Utah	316	318	273	11,988	12,442	-3.6	13,889	15,088	-7.9
Virginia	301	305	264	11,317	12,172	-7.0	13,158	14,352	-8.3
West Virginia Total	1,771	1,837	1,709	67,535	83,241	-18.9	79,448	99,013	-19.8
Northern (WV)	1,027	1,060	955	36,753	40,862	-10.1	43,409	48,213	-10.0
Southern (WV)	744	777	754	30,782	42,380	-27.4	36,039	50,800	-29.1
Wyoming	6,988	6,865	7,304	247,057	322,813	-23.5	297,971	384,797	-22.6
Appalachian Total	4,011	4,096	3,843	155,355	194,158	-20.0	182,145	232,003	-21.5
Interior Total	3,398	3,444	2,988	127,344	145,892	-12.7	148,171	174,570	-15.1
Western Total	9,505	9,467	9,677	340,785	437,238	-22.1	408,235	521,586	-21.7
East of Mississippi River	6,291	6,425	5,997	245,086	305,536	-19.8	286,886	364,614	-21.3
West of Mississippi River	10,624	10,583	10,511	378,399	471,753	-19.8	451,666	563,544	-19.9
Bituminous and Lignite	16,866	16,959	16,465	621,792	775,461	-19.8	736,556	926,018	-20.5
Anthracite	48	49	43	1,693	1,828	-7.4	1,995	2,140	-6.8
U.S. Total	16,915	17,008	16,508	623,485	777,289	-19.8	738,552	928,158	-20.4
Railroad Cars Loaded	92,912	93,365	94,974	3,425,476	4,462,087	-23.2	4,090,632	5,346,737	-23.5

Source: Energy Information Administration

Prepared by EEI's Business Information Group



WEEKLY ELECTRIC OUTPUT

Volume 84 No. 45

OUTPUT FOR WEEK ENDED - Nov 05, 2016

Nov 09, 2016

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Nov 05, 2016** was **69,752** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **186** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended November 05		52 Weeks Ended November 05	
	GWh Output	% Increase Over Corresponding Week of 2015	GWh Output	% Increase Over Corresponding Period of 2015
New England	2,121	-2.1	123,338	-3.7
Mid-Atlantic	7,259	-2.1	432,775	-3.6
Central Industrial	11,363	0.1	673,569	-1.3
West Central	5,833	-0.2	329,426	-0.9
Southeast	17,440	-0.3	1,024,417	-0.4
South Central	13,011	11.3	712,928	0.2
Rocky Mountain	4,858	-0.2	276,905	0.1
Pacific Northwest	2,808	-4.3	152,326	0.2
Pacific Southwest	5,059	4.1	283,206	-0.4
Total United States	69,752	1.7	4,008,890	-0.9

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2016	Week Ended	2015	% Inc. (16/15)	52 Weeks Ended	2016	% Inc. (16/15)
Oct 15	70,015	Oct 17	71,651	-2.3	Oct 15	4,003,920	-1.1
Oct 22	72,602	Oct 24	69,427	4.6	Oct 22	4,007,096	-1.0
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 05	3,507,521	Nov 07	3,518,018	-0.3	YEAR TO DATE, FIRST 45 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2016	Week Ended	2015	Week Ended	2014
Oct 15	179	Oct 17	165	Oct 18	179
Oct 22	188	Oct 24	159	Oct 25	176
Oct 29	180	Oct 31	157	Nov 01	179
Nov 05	186	Nov 07	158	Nov 08	191

* 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		
	5-Nov 2016 GWh Output	7-Nov 2015 GWh Output	% Increase Over Corresponding Week of 2015	5-Nov 2016 GWh Output	7-Nov 2015 GWh Output	% Increase Over Corresponding Week of 2015	5-Nov 2016 GWh Output	7-Nov 2015 GWh Output	% Increase Over Corresponding Week of 2015
New England	2,121	2,166	-2.1%	107,512	111,067	-3.2%	123,338	128,030	-3.7%
Mid-Atlantic	7,259	7,410	-2.0%	379,093	390,674	-3.0%	432,775	449,066	-3.6%
Central Industrial	11,363	11,349	0.1%	587,015	587,761	-0.1%	673,569	682,445	-1.3%
West Central	5,833	5,848	-0.3%	287,634	288,044	-0.1%	329,426	332,486	-0.9%
Southeast	17,440	17,492	-0.3%	900,170	896,522	0.4%	1,024,417	1,028,907	-0.4%
South Central	13,011	11,693	11.3%	630,928	627,228	0.6%	712,928	711,411	0.2%
Rocky Mountain	4,858	4,868	-0.2%	239,119	239,032	0.0%	276,905	276,539	0.1%
Pacific Northwest	2,808	2,934	-4.3%	128,437	128,262	0.1%	152,326	152,031	0.2%
Pacific Southwest	5,059	4,859	4.1%	247,612	249,431	-0.7%	283,206	284,411	-0.4%
Total United States ^{1/}	<u>69,752</u>	<u>68,619</u>	1.7%	<u>3,507,520</u>	<u>3,518,021</u>	-0.3%	4,008,890	4,045,326	-0.9%
Coal Regions Only ^{2/}	59,764	58,660	1.9%	3,023,959	3,029,261	-0.2%	3,450,020	3,480,854	-0.9%

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 7, 2016

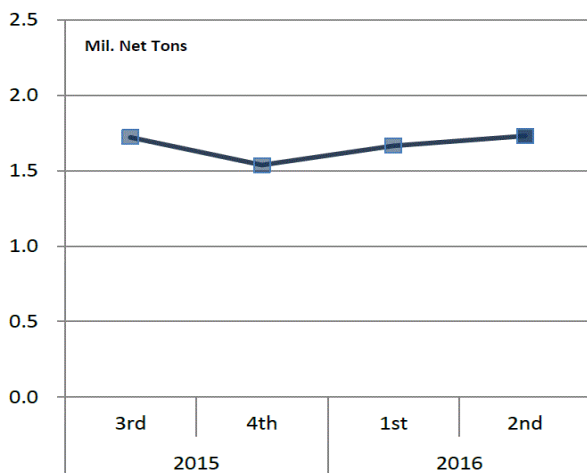
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Nov. 5</u>	<u>Oct. 29</u>	
<u>Week Ending</u>				North East	193	191
				Great Lakes	612	615
November 5, 2016	1,602	1.7	67.5	Midwest	154	152
November 5, 2015	1,537	4.2	64.2	Southern	570	546
October 29, 2016	1,575	-1.4	66.4	Western	<u>73</u>	<u>71</u>
				Total	1,602	1,575
<u>Year-to-Date +</u>						
November 5, 2016	75,127	-1.8	71.3			
November 5, 2015	76,488	-	70.9			

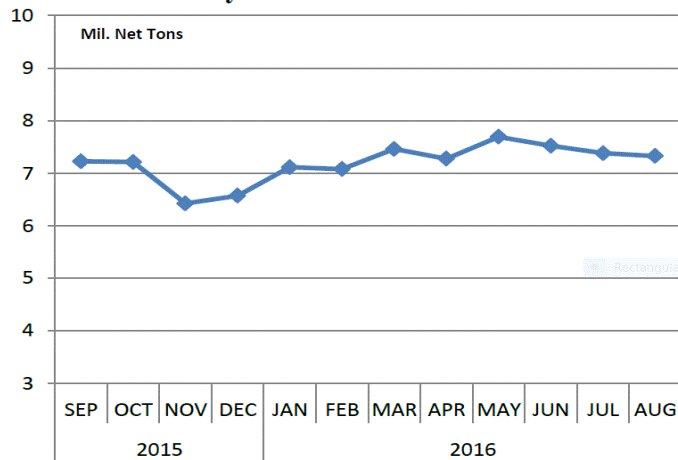
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

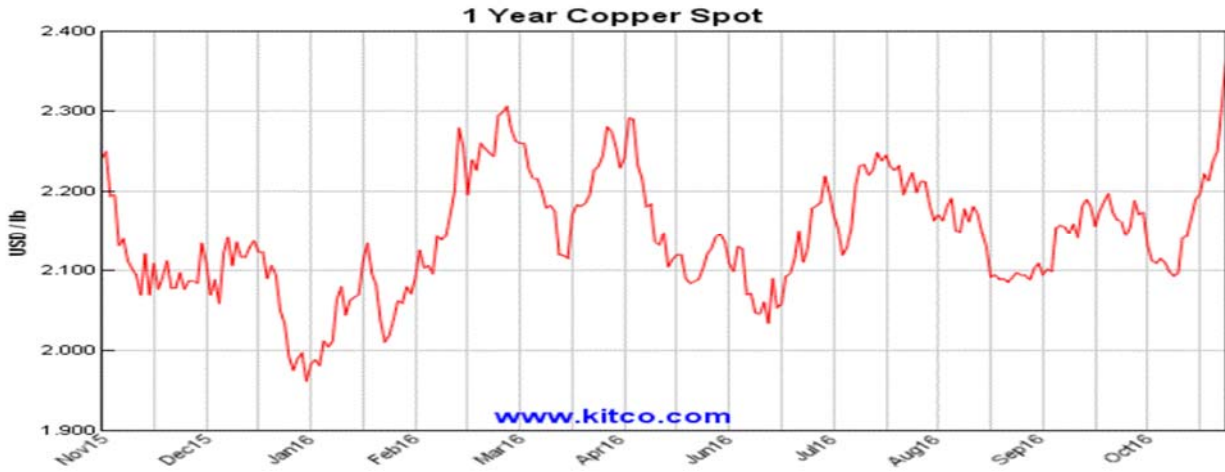
Average Weekly Raw Steel Production



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

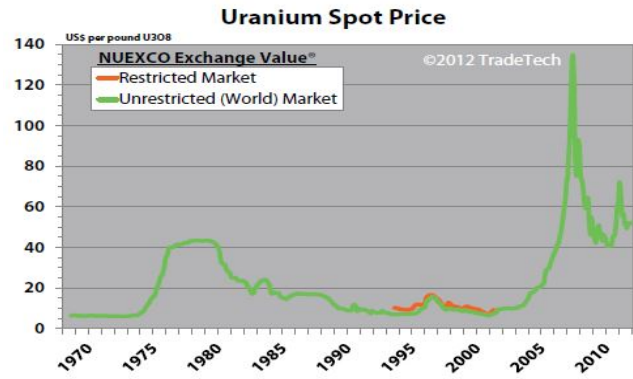
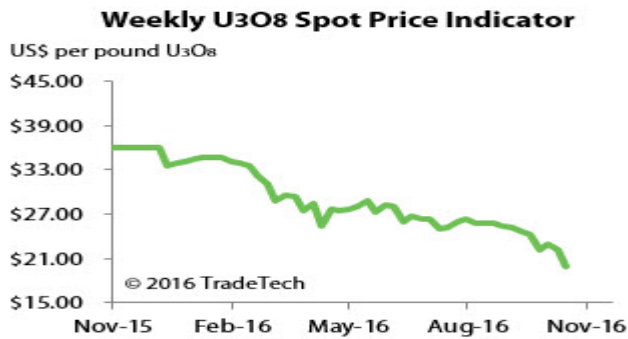


Source: Kitco website - www.kitco.com/connecting.html



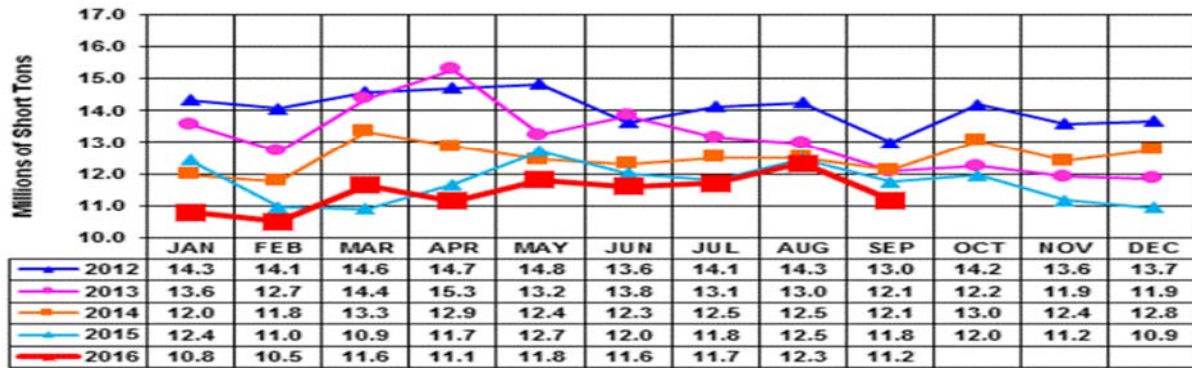
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



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

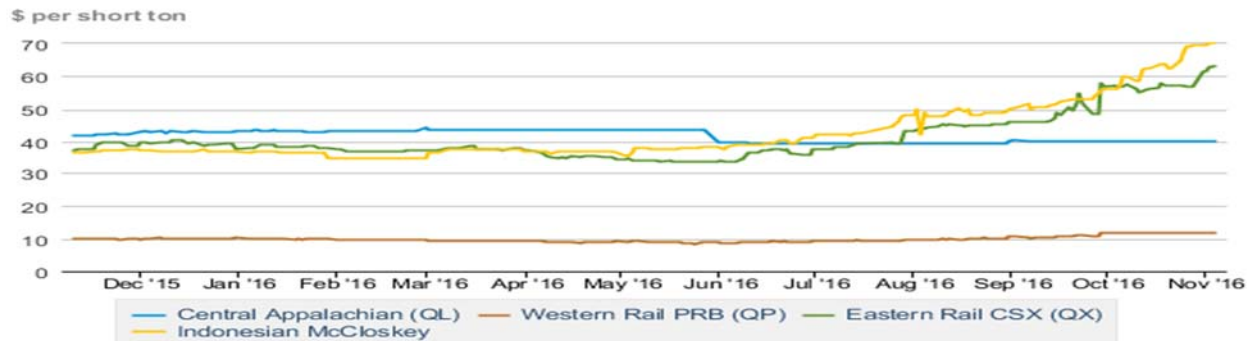
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

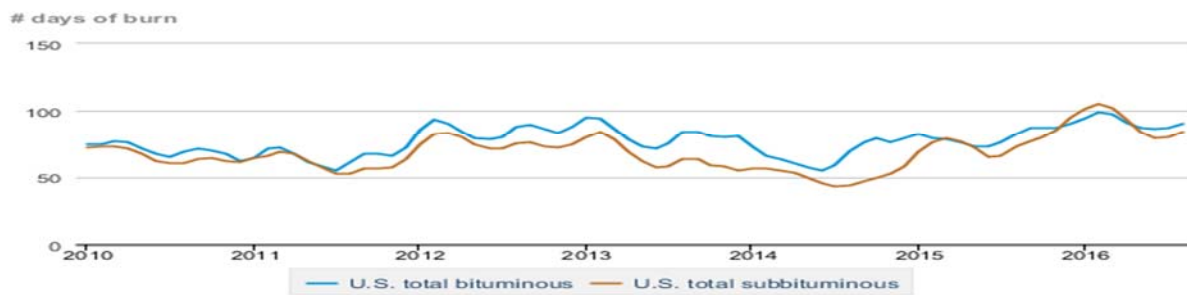
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago change
	10/07/16	10/14/16	10/21/16	10/28/16	11/04/16	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$39.55	\$45.05	\$45.05	\$45.05	\$45.05	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$40.75	\$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	\$8.25	\$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*

Temperature -- heating & cooling degree days (week ending Oct 27)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	113	-6	-6	0	0	0
Middle Atlantic	109	1	12	1	1	1
E N Central	118	1	38	0	-1	0
W N Central	94	-25	-1	0	-1	-1
South Atlantic	55	-8	10	17	-3	-9
E S Central	47	-16	18	3	-2	-8
W S Central	18	-11	2	29	9	-5
Mountain	58	-53	-31	18	12	10
Pacific	19	-28	6	5	2	-5
United States	73	-13	11	9	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 - 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)



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

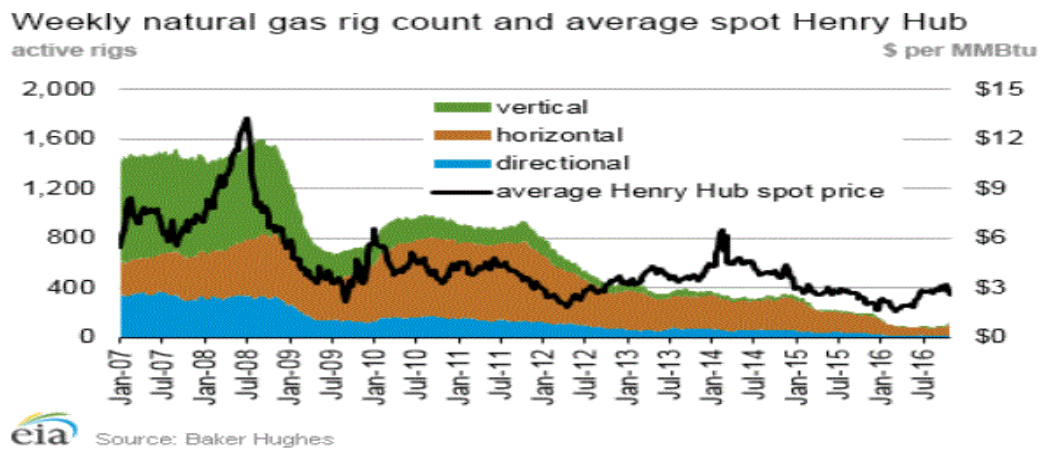
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2016-10-28	2016-10-21	change
East	940	939	1
Midwest	1,130	1,115	15
Mountain	249	245	4
Pacific	326	326	0
South Central	1,318	1,284	34
Total	3,963	3,909	54

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		
	October 2016	November 2016	change	October 2016	November 2016	change
Bakken	900	923	23	1,247	1,293	46
Eagle Ford	1,185	1,201	16	3,476	3,542	66
Haynesville	31	31	-	5,852	5,906	54
Marcellus	69	69	-	11,941	12,114	173
Niobrara	1,026	1,053	27	3,255	3,349	94
Permian	580	585	5	981	989	8
Utica	362	370	8	7,951	8,050	99
Rig-weighted average	630	632	2	2,791	2,950	159

Source: Energy Information Administration, *Drilling Productivity Report*