
National Mining Association

Weekly Statistical Summary

January 13, 2017 Edition
(Data for Week Ending January 7, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	01/07/17	01/02/16	% Chng	01/07/17	01/07/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,776	11,523	19.6%	13,776	13,120	5.0%
52 Weeks Ended	749,299	892,764	-16.1%			
AAR Coal Rail Cars Loaded:	74,624	67,002	11.4%	74,624	71,538	4.3%
Coal Production						
Month Ended - Dec.	Dec 16/15		% Chng	Jan - Dec 16/15		% Chng
	66,123	63,001	5.0%	738,661	896,941	-17.6%
DOC Coal Trade (000 Tons)						
Exports:						
	November 16/15		% Chng	Jan - Nov 16/15		% Chng
Metallurgical	3,844	2,859	34.5%	36,292	42,870	-15.3%
Steam *	2,670	1,806	47.8%	15,636	25,887	-39.6%
Lignite	6	6	0.0%	64	58	10.3%
Anthracite	38	40	-5.0%	397	332	18.2%
Total	6,558	4,711	39.2%	52,389	69,151	-24.2%
Imports:	706	882	-20.0%	9,197	10,349	-11.1%
EEI Electric Total Output (Mil. Kwh)						
	Week Ended		% Chng	Cumulative Week 1 to		% Chng
	01/07/17	01/09/16		01/07/17	01/09/16	
EEI Coal Region Output (Mil. Kwh)	81,914	79,219	3.4%	81,914	79,219	3.4%
EEI Coal Region Output (Mil. Kwh)	69,962	67,656	3.4%	69,962	67,656	3.4%
AISI Raw Steel Output (000 Tons)	1,684	1,607	4.8%	1,684	1,607	4.8%

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)	
	01/06/17	12/30/16	% Chng	Wed.	12/21/16
Central App, 12,500 Btu, 1.2 SO ₂	\$46.50	\$48.05	-3.2%	Henry Hub	3.48
Northern App, 13,000 Btu, < 3.0 SO ₂	44.30	45.75	-3.2%	New York	3.65
Illinois Basin, 11,800, 5.0 SO ₂	35.00	34.50	1.4%	Chicago	3.49
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.05	11.00	0.5%	Cal.Comp.Avg.	3.49
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.10	40.90	0.5%		

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



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National Mining Association Web Site: [http:// www.nma.org](http://www.nma.org)

EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	1/7/2017 (week 1)	12/31/2016 (week 53)	1/2/2016 (week 1)	1/7/2017	1/7/2016	% Change	1/7/2017	1/2/2016	% Change
Alabama	159	128	140	159	185	-14.3	8,949	13,113	-31.8
Alaska	22	21	18	22	23	-4.8	1,086	1,175	-7.6
Arizona	100	87	80	100	101	-1.1	5,515	6,775	-18.6
Arkansas	1	1	1	1	1	8.4	44	91	-51.6
Colorado	188	152	177	188	188	-0.3	11,556	18,764	-38.4
Illinois	860	708	690	860	858	0.2	45,811	55,919	-18.1
Indiana	576	487	425	576	548	5.2	29,809	34,138	-12.7
Kansas	2	2	3	2	2	3.3	71	198	-64.1
Kentucky Total	777	709	729	777	860	-9.7	44,368	61,125	-27.4
Eastern (KY)	286	269	316	286	348	-17.7	17,491	27,954	-37.4
Western (KY)	491	440	413	491	513	-4.3	26,877	33,171	-19.0
Louisiana	54	46	43	54	50	8.4	2,895	3,428	-15.5
Maryland	26	24	24	26	27	-6.5	1,507	1,911	-21.1
Mississippi	55	51	39	55	58	-6.2	2,962	3,134	-5.5
Missouri	5	3	1	5	3	67.2	212	138	53.6
Montana	533	513	521	533	563	-5.3	32,278	41,666	-22.5
New Mexico	282	262	277	282	326	-13.3	14,935	19,639	-24.0
North Dakota	629	497	412	629	547	15.0	29,852	28,707	4.0
Ohio	278	248	220	278	295	-6.0	14,382	16,960	-15.2
Oklahoma	14	11	10	14	13	7.3	676	777	-13.0
Pennsylvania Total	912	735	633	912	783	16.3	45,888	50,644	-9.4
Anthracite (PA)	34	31	30	34	33	3.7	1,812	2,135	-15.1
Bituminous (PA)	878	704	604	878	751	16.9	44,075	48,509	-9.1
Tennessee	15	15	13	15	18	-15.5	796	895	-11.1
Texas	931	805	562	931	752	23.8	42,594	35,855	18.8
Utah	308	249	200	308	255	20.9	14,324	14,370	-0.3
Virginia	287	233	192	287	242	18.7	13,859	14,263	-2.8
West Virginia Total	1,569	1,324	1,217	1,569	1,460	7.4	82,418	95,150	-13.4
Northern (WV)	912	780	672	912	780	16.9	45,712	47,565	-3.9
Southern (WV)	657	544	546	657	681	-3.5	36,706	47,585	-22.9
Wyoming	5,194	5,088	4,896	5,194	4,960	4.7	302,511	373,927	-19.1
Appalachian Total	3,530	2,976	2,756	3,530	3,359	5.1	185,288	220,891	-16.1
Interior Total	2,989	2,553	2,187	2,989	2,798	6.8	151,952	166,849	-8.9
Western Total	7,257	6,869	6,580	7,257	6,963	4.2	412,058	505,024	-18.4
East of Mississippi River	5,512	4,661	4,322	5,512	5,337	3.3	290,748	347,253	-16.3
West of Mississippi River	8,264	7,738	7,201	8,264	7,784	6.2	458,551	545,510	-15.9
Bituminous and Lignite	13,742	12,368	11,493	13,742	13,088	5.0	747,487	890,629	-16.1
Anthracite	34	31	30	34	33	3.7	1,812	2,135	-15.1
U.S. Total	13,776	12,399	11,523	13,776	13,120	5.0	749,299	892,764	-16.1
Railroad Cars Loaded	74,624	68,939	67,002	74,624	71,538	4.3	4,171,473	5,128,418	-18.7

Source: Energy Information Administration

Prepared by EEI's Business Information Group

EEI
WEEKLY ELECTRIC OUTPUT

Volume 85 No. 1

OUTPUT FOR WEEK ENDED - Jan 07, 2017

Jan 11, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Jan 07, 2017 was 81,914 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 188 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended January 07		52 Weeks Ended January 07	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,447	-3.3	123,889	-2.1
Mid-Atlantic	8,517	-1.3	435,971	-1.5
Central Industrial	13,899	1.5	677,033	0.8
West Central	6,686	4.2	331,022	0.7
Southeast	21,338	3.2	1,032,636	1.5
South Central	13,821	8.7	717,443	1.6
Rocky Mountain	5,701	3.0	275,477	-0.5
Pacific Northwest	4,437	14.3	152,780	0.2
Pacific Southwest	5,068	-1.6	282,837	-0.8
Total United States	81,914	3.4	4,029,088	0.5

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Dec 17	81,602	Dec 19	74,793	9.1	Dec 17	4,016,642	-0.1
Dec 24	81,466	Dec 26	70,180	16.1	Dec 24	4,027,928	0.2
Dec 31	72,818	Jan 02	74,353	-2.1	Dec 31	4,026,393	0.2
Jan 07	81,914	Jan 09	79,219	3.4	Jan 07	4,029,088	0.5
Jan 07	81,914	Jan 09	79,219	3.4	YEAR TO DATE, FIRST WEEK		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Dec 17	194	Dec 19	169	Dec 20	197
Dec 24	203	Dec 26	156	Dec 27	191
Dec 31	181	Jan 02	178	Jan 03	179
Jan 07	188	Jan 09	181	Jan 10	197

* 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		
	7-Jan 2017 GWh Output	9-Jan 2016 GWh Output	% Increase Over Corresponding Week of 2016	7-Jan 2017 GWh Output	9-Jan 2016 GWh Output	% Increase Over Corresponding Week of 2016	7-Jan 2017 GWh Output	9-Jan 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,447	2,530	-3.3%	2,447	2,530	-3.3%	123,889	126,540	-2.1%
Mid-Atlantic	8,517	8,626	-1.3%	8,517	8,626	-1.3%	435,971	442,550	-1.5%
Central Industrial	13,899	13,698	1.5%	13,899	13,698	1.5%	677,033	671,621	0.8%
West Central	6,686	6,417	4.2%	6,686	6,417	4.2%	331,022	328,791	0.7%
Southeast	21,338	20,667	3.2%	21,338	20,667	3.2%	1,032,636	1,017,785	1.5%
South Central	13,821	12,712	8.7%	13,821	12,712	8.7%	717,443	706,438	1.6%
Rocky Mountain	5,701	5,536	3.0%	5,701	5,536	3.0%	275,477	276,806	-0.5%
Pacific Northwest	4,437	3,883	14.3%	4,437	3,883	14.3%	152,780	152,460	0.2%
Pacific Southwest	5,068	5,150	-1.6%	5,068	5,150	-1.6%	282,837	285,233	-0.8%
Total United States ^{1/}	<u>81,914</u>	<u>79,219</u>	3.4%	<u>81,914</u>	<u>79,219</u>	3.4%	<u>4,029,088</u>	<u>4,008,224</u>	0.5%
Coal Regions Only ^{2/}	69,962	67,656	3.4%	69,962	67,656	3.4%	3,469,582	3,443,991	0.7%

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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January 9, 2016

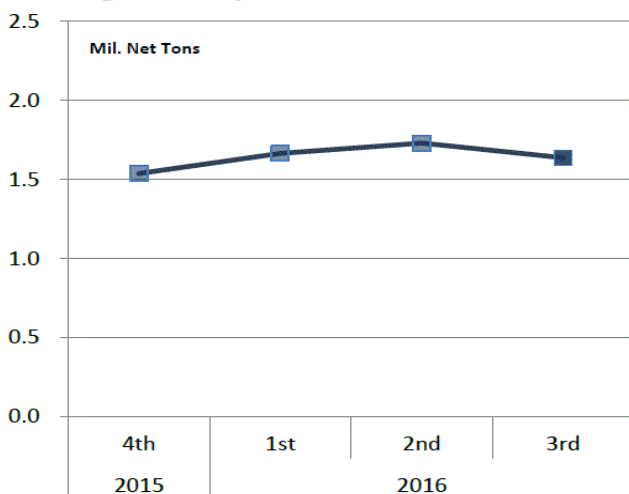
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Jan 7</u>	<u>Dec. 31</u>	
<u>Week Ending</u>				North East	214	205
				Great Lakes	662	647
January 7, 2017	1,684	5.8	71.0	Midwest	164	163
January 7, 2016	1,607	4.8	68.7	Southern	578	518
December 31, 2016	1,592	-2.7	67.1	Western	66	59
				Total	1,684	1,592
<u>Year-to-Date +</u>						
January 7, 2017	1,684	4.8	70.8			
January 7, 2016	1,607	-	68.7			

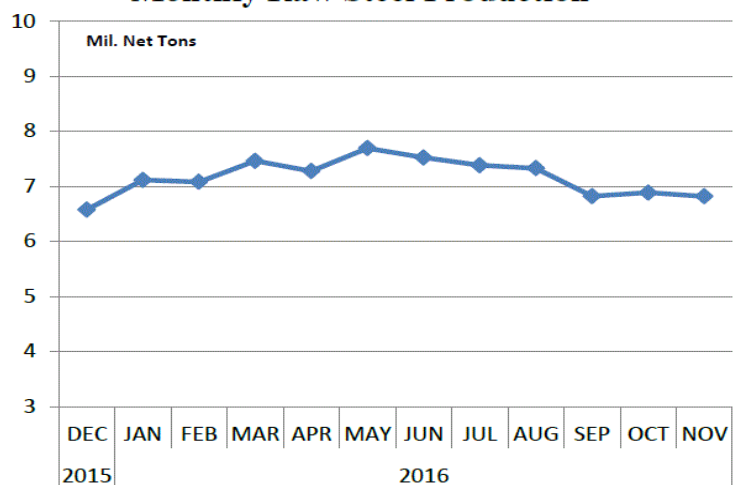
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

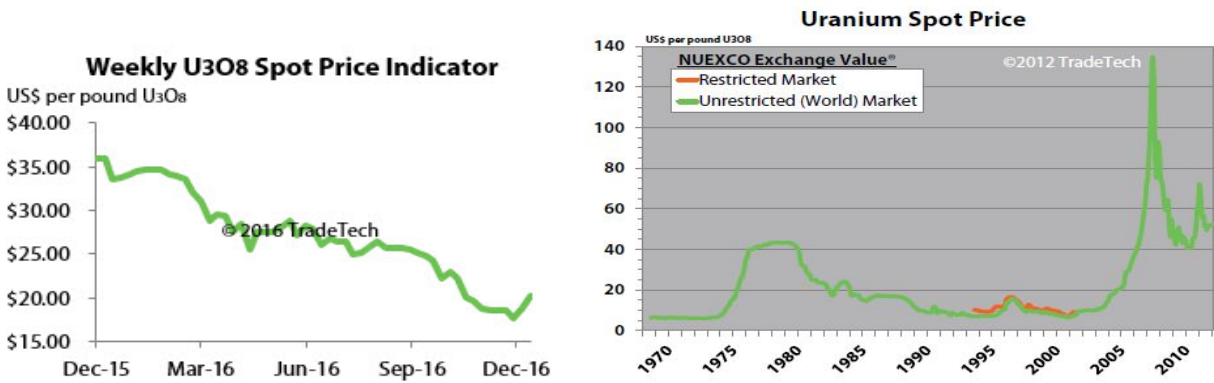


Source: Kitco website - www.kitco.com/connecting.html



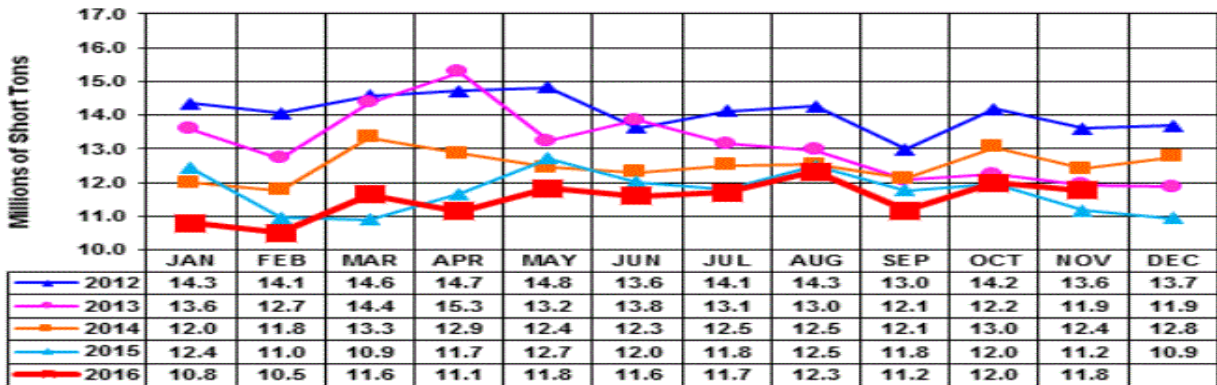
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



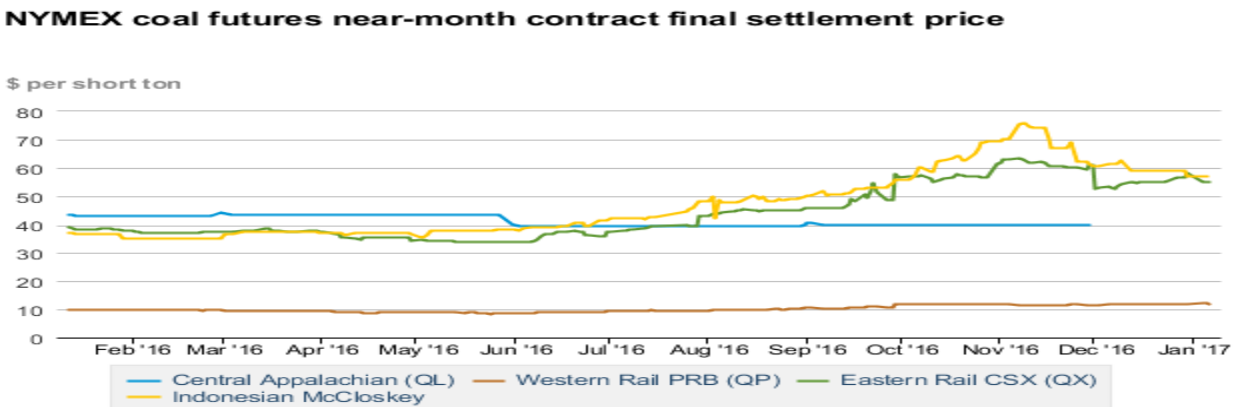
Source: Trade Tech, Uranium Info Website – www.uranium.info

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



Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

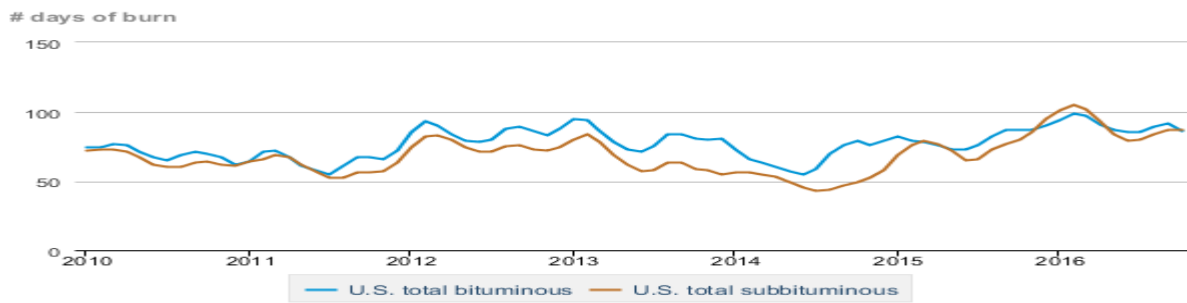
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	12/09/16	12/16/16	12/23/16	12/30/16	01/06/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$48.05	\$48.05	\$48.05	\$48.05	\$46.50	\$-1.55
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.75	\$45.75	\$45.75	\$45.75	\$44.30	\$-1.45
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$34.50	\$34.50	\$34.50	\$34.50	\$35.00	\$0.50
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.00	\$11.00	\$11.00	\$11.00	\$11.05	\$0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.90	\$40.90	\$40.90	\$40.90	\$41.10	\$0.20

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

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



 Source: U.S. Energy Information Administration

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

Temperature -- heating & cooling degree days (week ending Dec 15)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	251	23	138	0	0	0
Middle Atlantic	242	25	145	0	0	0
E N Central	309	61	199	0	0	0
W N Central	341	67	176	0	0	0
South Atlantic	173	21	117	10	2	-6
E S Central	187	29	134	0	-1	-3
W S Central	120	4	77	1	-1	-11
Mountain	200	-23	-9	0	0	0
Pacific	94	-25	-40	0	0	0
United States	217	22	107	2	1	-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 - 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)



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	October 2016		October 2015		% Change of Stocks	September 2016		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	5,646	84	7,509	95	-24.8%	5,487	95	2.9%
	Subbituminous	136	69	731	174	-81.4%	136	97	0.0%
South	Bituminous	27,996	83	34,879	89	-19.7%	27,339	88	2.4%
	Subbituminous	6,039	73	6,946	76	-13.1%	5,631	68	7.2%
Midwest	Bituminous	16,909	94	16,311	82	3.7%	16,549	99	2.2%
	Subbituminous	43,096	84	41,629	71	3.5%	40,862	84	5.5%
West	Bituminous	5,859	84	5,628	75	4.1%	5,885	84	-0.5%
	Subbituminous	31,312	95	34,905	94	-10.3%	30,830	95	1.6%
U.S. Total	Bituminous	56,410	86	64,328	87	-12.3%	55,260	92	2.1%
	Subbituminous	80,583	87	84,211	80	-4.3%	77,459	87	4.0%

Source: Energy Information Administration, *Electricity Monthly Update*

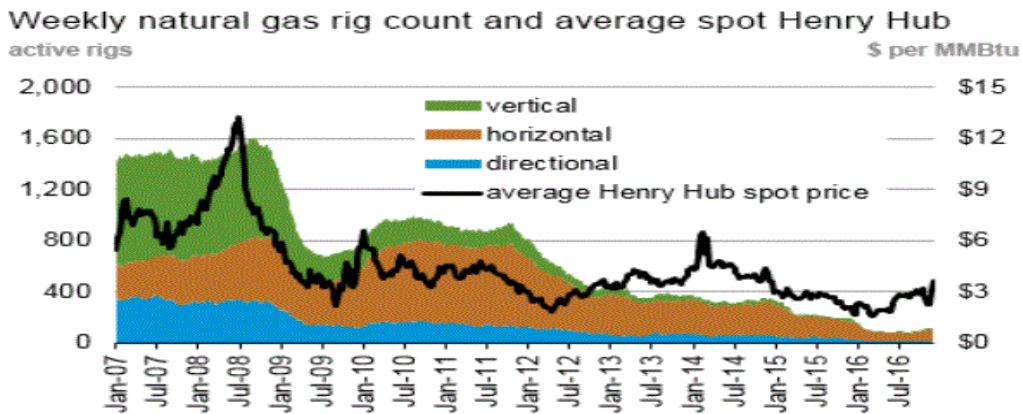
EIA Working Natural Gas Underground Storage

Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2016-12-16	2016-12-09	change
East	810	865	-55
Midwest	1,007	1,071	-64
Mountain	230	244	-14
Pacific	302	312	-10
South Central	1,248	1,314	-66
Total	3,597	3,806	-209

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		
	December 2016	January 2017	change	December 2016	January 2017	change
Bakken	947	967	20	1,318	1,385	67
Eagle Ford	1,315	1,341	26	3,769	3,847	78
Haynesville	30	30	-	6,157	6,273	116
Marcellus	69	69	-	12,305	12,468	163
Niobrara	1,182	1,218	36	3,811	3,922	111
Permian	629	634	5	1,057	1,062	5
Utica	127	118	(9)	8,581	8,638	57
Rig-weighted average	654	664	10	3,172	3,221	49

Source: Energy Information Administration, *Drilling Productivity Report*