

National Mining Association

Weekly Statistical Summary

December 8, 2017 Edition
(Data for Week Ending December 2, 2017)

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. 55, No. 48
Dated 12/08/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/02/17	11/26/16	% Chng	12/02/17	12/02/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,695	14,404	9.0%	724,472	669,696	8.2%
52 Weeks Ended	796,604	723,589	10.1%			
AAR Coal Rail Cars Loaded:	90,747	83,542	8.6%	4,090,937	3,774,035	8.4%
Coal Production Month Ended - November	Nov 17/16		% Chng	Jan - Nov 17/16		% Chng
	63,750	67,150	-5.1%	720,082	665,053	8.3%
DOC Coal Trade (000 Tons)						
Exports:	Oct 17/16		% Chng	Jan - Oct 17/16		% Chng
Metallurgical	4,661	3,157	47.6%	45,127	32,448	39.1%
Steam *	4,490	1,695	164.9%	32,518	12,967	150.8%
Lignite	6	7	-14.3%	65	58	12.1%
Anthracite	6	8	-25.0%	242	359	-32.6%
Total	9,163	4,867	88.3%	77,952	45,832	70.1%
Imports:	582	768	-24.2%	7,002	8,491	-17.5%
	Week Ended			Cumulative Week 1 to		
	12/02/17	12/03/16	% Chng	12/02/17	12/03/16	% Chng
EI Electric Total Output (Mil. Kwh)	72,048	73,146	-1.5%	3,672,674	3,711,442	-1.0%
EI Coal Region Output (Mil. Kwh)	61,385	62,539	-1.8%	3,154,632	3,198,507	-1.4%
AISI Raw Steel Output (000 Tons)	1,720	1,595	7.8%	83,381	79,951	4.3%

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)	
	12/01/17	11/24/17	% Chng	Wed.	11/29/17
Central App, 12,500 Btu, 1.2 SO ₂	\$59.85	\$59.85	0.0%	Henry Hub	3.06
Northern App, 13,000 Btu, < 3.0 SO ₂	46.20	46.20	0.0%	New York	3.04
Illinois Basin, 11,800, 5.0 SO ₂	32.60	32.60	0.0%	Chicago	2.99
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.10	12.10	0.0%	Cal.Comp.Avg.	2.82
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.10	41.10	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



NMA
THE AMERICAN RESOURCE

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		
	12/2/2017 (week 48)	11/25/2017 (week 47)	11/26/2016 (week 48)	12/2/2017	12/2/2016	% Change	12/2/2017	11/26/2016	% Change
Alabama	243	234	188	11,219	8,878	26.4	12,159	9,468	28.4
Alaska	14	12	15	767	870	-11.8	844	957	-11.8
Arizona	120	105	100	5,654	5,015	12.7	6,155	5,369	14.6
Arkansas	1	1	1	38	46	-18.5	42	51	-17.6
Colorado	347	319	290	14,848	11,452	29.6	16,301	12,240	33.2
Illinois	883	825	799	44,365	40,322	10.0	48,365	43,467	11.3
Indiana	602	531	528	29,160	26,618	9.6	31,802	28,486	11.6
Kansas	27	-100.0	.	45	.
Kentucky Total	825	740	808	40,278	39,589	1.7	44,326	43,035	3.0
Eastern (KY)	328	295	320	16,599	15,468	7.3	18,203	17,040	6.8
Western (KY)	497	445	488	23,678	24,121	-1.8	26,123	25,996	0.5
Louisiana	62	56	58	2,705	2,561	5.6	2,996	2,755	8.7
Maryland	39	36	36	1,692	1,471	15.0	1,869	1,577	18.5
Mississippi	63	56	54	2,899	2,648	9.5	3,171	2,800	13.3
Missouri	6	5	4	260	216	20.3	282	217	30.0
Montana	689	628	680	29,898	29,568	1.1	33,301	32,034	4.0
New Mexico	253	232	267	12,144	12,254	-0.9	13,480	13,601	-0.9
North Dakota	560	501	539	26,437	25,925	2.0	29,137	27,682	5.3
Ohio	162	143	177	8,538	11,842	-27.9	9,425	12,878	-26.8
Oklahoma	10	9	12	516	607	-14.9	574	655	-12.4
Pennsylvania Total	1,039	940	929	47,717	42,103	13.3	52,367	44,818	16.8
Anthracite (PA)	33	31	31	1,657	1,539	7.6	1,811	1,687	7.4
Bituminous (PA)	1,006	909	898	46,060	40,564	13.6	50,556	43,131	17.2
Tennessee	9	8	10	477	602	-20.7	529	663	-20.2
Texas	720	649	728	34,069	36,034	-5.5	37,716	38,422	-1.8
Utah	267	242	266	13,003	12,888	0.9	14,333	13,753	4.2
Virginia	276	245	247	13,461	12,352	9.0	14,699	13,199	11.4
West Virginia Total	1,782	1,616	1,526	85,617	73,609	16.3	93,258	79,156	17.8
Northern (WV)	953	842	832	45,388	40,136	13.1	49,554	43,254	14.6
Southern (WV)	829	774	694	40,229	33,473	20.2	43,704	35,902	21.7
Wyoming	6,721	5,934	6,143	298,711	272,199	9.7	329,471	296,261	11.2
Appalachian Total	3,878	3,517	3,433	185,320	166,325	11.4	202,510	178,799	13.3
Interior Total	2,845	2,577	2,672	137,690	133,200	3.4	151,071	142,894	5.7
Western Total	8,972	7,974	8,299	401,462	370,171	8.5	443,023	401,897	10.2
East of Mississippi River	5,923	5,373	5,301	285,423	260,034	9.8	311,971	279,547	11.6
West of Mississippi River	9,772	8,694	9,103	439,050	409,662	7.2	484,633	444,042	9.1
Bituminous and Lignite	15,662	14,036	14,373	722,816	668,157	8.2	794,793	721,902	10.1
Anthracite	33	31	31	1,657	1,539	7.6	1,811	1,687	7.4
U.S. Total	15,695	14,068	14,404	724,472	669,696	8.2	796,604	723,589	10.1
Railroad Cars Loaded	90,747	81,340	83,542	4,090,937	3,774,035	8.4	4,509,295	4,086,617	10.3

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 48

OUTPUT FOR WEEK ENDED - Dec 02, 2017

Dec 06, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Dec 02, 2017 was 72,048 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 184 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended December 02		52 Weeks Ended December 02	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,287	0.4	120,424	-2.2
Mid-Atlantic	7,852	-0.6	424,366	-2.0
Central Industrial	12,550	-4.2	658,563	-2.1
West Central	5,858	-1.2	326,236	-0.8
Southeast	18,159	-0.4	1,012,203	-1.1
South Central	12,134	0.1	723,052	1.5
Rocky Mountain	4,832	-8.2	278,990	1.3
Pacific Northwest	3,281	0.3	160,204	6.1
Pacific Southwest	5,095	0.8	283,587	0.2
Total United States	72,048	-1.5	3,987,624	-0.4

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Nov 11	72,411	Nov 12	68,087	6.4	Nov 11	3,983,583	-0.6
Nov 18	72,678	Nov 19	68,835	5.6	Nov 18	3,987,426	-0.5
Nov 25	69,503	Nov 26	68,207	1.9	Nov 25	3,988,723	-0.4
Dec 02	72,048	Dec 03	73,146	-1.5	Dec 02	3,987,624	-0.4
Dec 02	3,672,674	Dec 03	3,711,442	-1.0	YEAR TO DATE, FIRST 48 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Nov 11	193	Nov 12	179	Nov 14	158
Nov 18	190	Nov 19	180	Nov 21	161
Nov 25	181	Nov 26	176	Nov 28	161
Dec 02	184	Dec 03	178	Dec 05	170

* Excludes Alaska and Hawaii.

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

Copyright © 2017 Edison Electric Institute. All rights reserved.

**EEl WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)**

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	2-Dec 2017 GWh Output	3-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016	2-Dec 2017 GWh Output	3-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016	2-Dec 2017 GWh Output	3-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,287	2,279	0.4%	110,476	114,021	-3.1%	120,424	123,185	-2.2%
Mid-Atlantic	7,852	7,902	-0.6%	390,338	402,055	-2.9%	424,366	432,887	-2.0%
Central Industrial	12,550	13,095	-4.2%	604,402	622,678	-2.9%	658,563	672,415	-2.1%
West Central	5,858	5,928	-1.2%	299,816	304,340	-1.5%	326,236	328,846	-0.8%
Southeast	18,159	18,229	-0.4%	932,562	952,320	-2.1%	1,012,203	1,023,532	-1.1%
South Central	12,134	12,123	0.1%	671,328	664,611	1.0%	723,052	712,688	1.5%
Rocky Mountain	4,832	5,262	-8.2%	256,186	252,503	1.5%	278,990	275,393	1.3%
Pacific Northwest	3,281	3,272	0.3%	144,428	136,445	5.9%	160,204	150,975	6.1%
Pacific Southwest	5,095	5,056	0.8%	263,138	262,469	0.3%	283,587	283,127	0.2%
Total United States ^{1/}	<u>72,048</u>	<u>73,146</u>	-1.5%	<u>3,672,674</u>	<u>3,711,442</u>	-1.0%	3,987,625	4,003,048	-0.4%
Coal Regions Only ^{2/}	61,385	62,539	-1.8%	3,154,632	3,198,507	-1.4%	3,423,410	3,445,761	-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*.

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

December 4, 2017

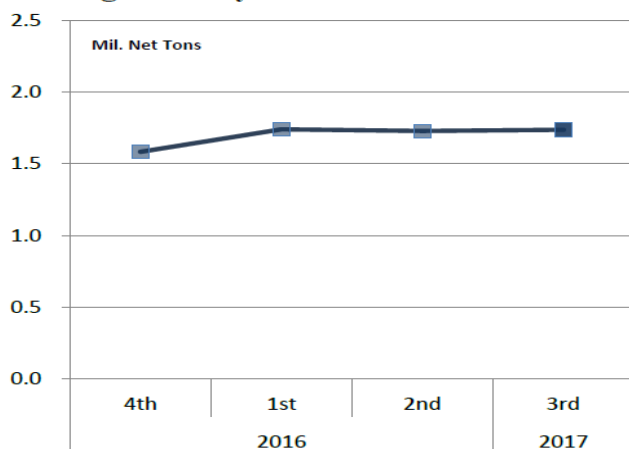
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Dec 2</u>	<u>Nov 25</u>	
<u>Week Ending</u>				North East	210	207
				Great Lakes	631	616
December 2, 2017	1,720	1.0	73.8	Midwest	168	162
December 2, 2016	1,595	7.8	67.3	Southern	641	651
November 25, 2017	1,703	-2.4	73.0	Western	<u>70</u>	<u>67</u>
				Total	1,720	1,703
<u>Year-to-Date +</u>						
December 2, 2017	83,381	4.3	74.5			
December 2, 2016	79,951	-	70.8			

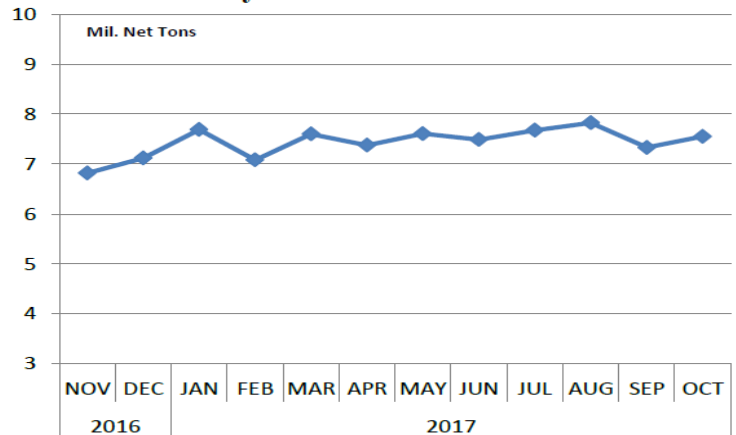
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 2017 is approximately 30.6 million net tons vs. 30.7 million net tons for the same period last year, and 30.6 million tons for the third quarter of 2017.

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

U.S. Rail Traffic¹
Week 48, 2017 – Ended December 2, 2017

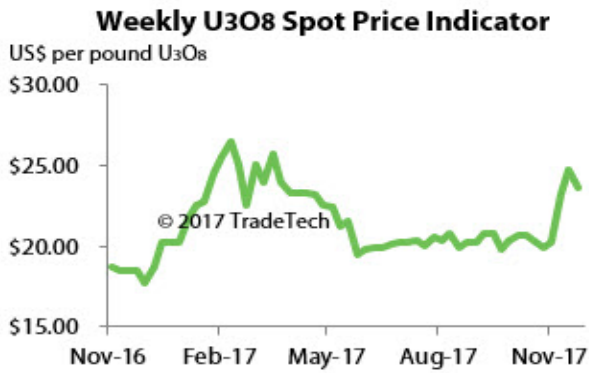
	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	280,351	2.1%	12,479,958	259,999	2.9%
Chemicals	34,689	4.0%	1,486,301	30,965	1.0%
Coal	90,747	1.0%	4,090,935	85,228	8.6%
Farm Products excl. Grain, and Food	17,532	0.4%	767,436	15,988	-1.9%
Forest Products	10,620	-2.4%	481,369	10,029	-0.6%
Grain	25,712	2.8%	1,065,502	22,198	-2.4%
Metallic Ores and Metals	22,383	2.4%	1,085,056	22,605	5.8%
Motor Vehicles and Parts	18,622	-2.7%	803,124	16,732	-6.7%
Nonmetallic Minerals	38,905	10.5%	1,779,979	37,083	8.5%
Petroleum and Petroleum Products	10,917	-5.1%	457,430	9,530	-13.2%
Other	10,224	0.6%	462,826	9,642	-1.8%
Total Intermodal Units	292,443	4.9%	12,945,869	269,706	3.7%
Total Traffic	572,794	3.5%	25,425,827	529,705	3.3%

¹ Excludes U.S. operations of CN and Canadian Pacific.

² Average per week figures may not sum to totals as a result of independent rounding.

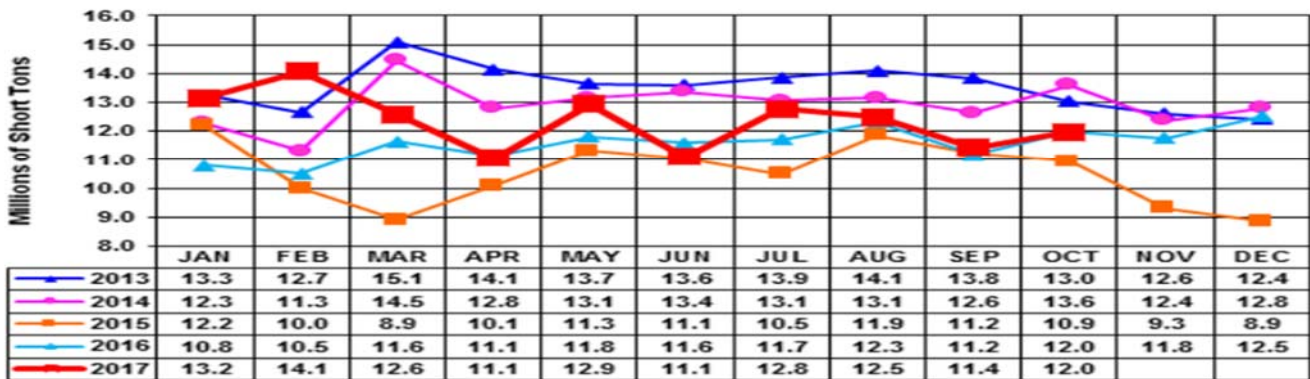
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's Uranium Price Indicators



Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Ux Consulting Co., LLC – <http://www.uxc.com>

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.

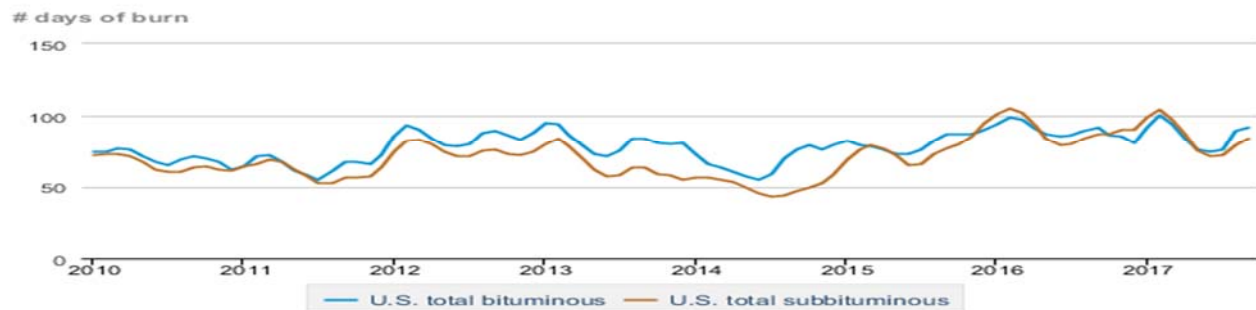
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	11/03/17	11/10/17	11/17/17	11/24/17	12/01/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$57.85	\$59.85	\$59.85	\$59.85	\$59.85	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.45	\$46.20	\$46.20	\$46.20	\$46.20	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$32.60	\$32.60	\$32.60	\$32.60	\$32.60	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.75	\$12.10	\$12.10	\$12.10	\$12.10	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.10	\$41.10	\$41.10	\$41.10	\$41.10	\$0.00

Source: Energy Information Administration (with permission from SNL), *Coal Market Report*

Days of burn by non-lignite coal rank, January 2009 - September 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Nov 23)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	172	-2	24	0	0	0
Middle Atlantic	172	7	26	0	0	0
E N Central	192	3	30	0	0	0
W N Central	195	-18	25	0	0	0
South Atlantic	117	5	7	11	0	5
E S Central	128	13	22	1	0	1
W S Central	66	-14	9	12	7	0
Mountain	129	-57	-13	3	3	2
Pacific	47	-47	-38	2	1	2
United States	136	-12	9	4	1	1

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	2017 Year to Date - 2nd Quarter	2016 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	487.0	484.0	1%
Cement (Mil. Mt.)	39.6	39.0	2%
Copper (000 Mt.)	650.0	722.0	-10%
Gold (Mt.)	121.0	106.0	14%
Gypsum (Mil. Mt.)	8.2	8.3	-1%
Iron Ore (Mil. Mt.)	21.1	19.2	10%
Lead (000 Mt.)	158.0	177.0	-11%
Molybdenum (000 Mt.)	19.3	17.4	11%
Phosphate rock (Mil. Mt.)	13.6	12.9	5%
Sand & gravel, construction (Mil. Mt.)	393.0	399.0	-2%
Silver (Mt.)	536.0	563.0	-5%
Soda ash (Mil. Mt.)	5.8	5.8	0%
Stone, crushed (Mil. Mt.)	626.0	640.0	-2%
Zinc (000 Mt.)	336.0	406.0	-17%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2017 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	September 2017		September 2016		% Change of Stocks	August 2017		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	4,439	94	5,552	96	-20.0%	4,143	88	7.1%
	Subbituminous	126	111	136	97	-7.8%	129	139	-2.4%
South	Bituminous	27,454	96	27,326	88	0.5%	27,973	91	-1.9%
	Subbituminous	5,195	64	5,631	68	-7.8%	5,362	59	-3.1%
Midwest	Bituminous	12,989	85	16,547	99	-21.5%	13,187	83	-1.5%
	Subbituminous	37,284	85	40,862	84	-8.8%	36,413	81	2.4%
West	Bituminous	5,356	90	5,885	84	-9.0%	5,457	90	-1.8%
	Subbituminous	25,666	87	30,830	95	-16.8%	26,995	83	-4.9%
U.S. Total	Bituminous	50,238	92	55,311	92	-9.2%	50,760	89	-1.0%
	Subbituminous	68,271	84	77,459	87	-11.9%	68,899	79	-0.9%

Source: U.S. Energy Information Administration

NOTE: Stockpile levels shown above reflect a sample of electric power sector plants, which were used to create the days of burn statistics. These levels will not equal total electric power sector stockpile levels.

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

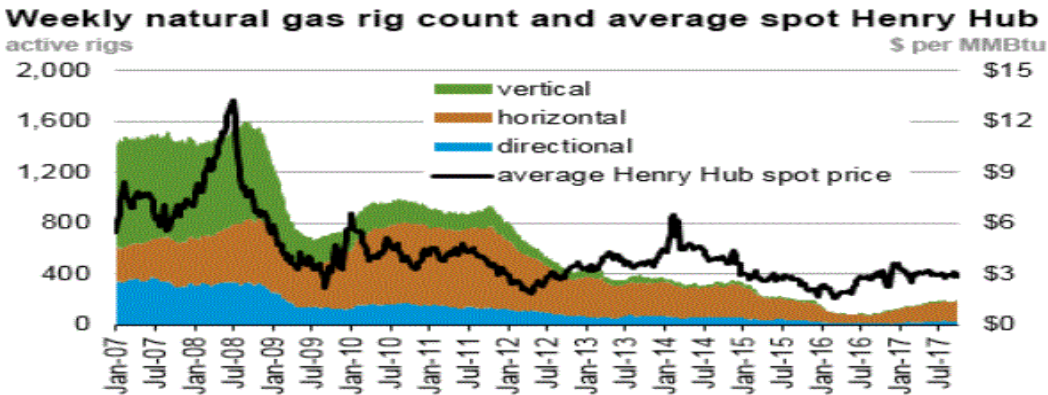
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-11-24	2017-11-17	change
East	876	891	-15
Midwest	1,068	1,090	-22
Mountain	221	220	1
Pacific	314	314	0
South Central	1,214	1,211	3
Total	3,693	3,726	-33

Source: U.S. Energy Information Administration

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

EIA Natural Gas Rig Count and Price Trend



eia 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 2017	December 2017	change	November 2017	December 2017	change
Anadarko	377	382	5	2,530	2,539	9
Appalachia	135	135	-	14,342	14,369	27
Bakken	1,253	1,276	23	1,588	1,601	13
Eagle Ford	1,090	1,124	34	4,283	4,503	220
Haynesville	33	33	-	7,763	7,789	26
Niobrara	1,084	1,095	11	4,259	4,269	10
Permian	582	586	4	1,035	1,050	15
Total	596	603	7	3,483	3,488	5

Source: Energy Information Administration, *Drilling Productivity Report*