

National Mining Association

Weekly Statistical Summary

December 1, 2017 Edition
(Data for Week Ending November 25, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 47
Dated 12/01/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/25/17	11/19/16	% Chng	11/25/17	11/25/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,068	16,337	-13.9%	708,778	654,360	8.3%
52 Weeks Ended	795,314	724,167	9.8%			
AAR Coal Rail Cars Loaded:	81,340	94,751	-14.2%	4,000,190	3,685,089	8.6%
DOC Coal Trade (000 Tons)						
Exports:						
	Sep 17/16		% Chng	Jan - Sep 17/16		% Chng
Metallurgical	5,435	2,828	92.2%	40,466	29,291	38.2%
Steam *	3,393	1,406	141.3%	28,028	11,271	148.7%
Lignite	6	5	20.0%	59	51	15.7%
Anthracite	65	37	75.7%	236	351	-32.8%
Total	8,899	4,276	108.1%	68,789	40,964	67.9%
Imports:						
	513	800	-35.9%	6,420	7,722	-16.9%
EI Electric Total Output (Mil. Kwh)						
	Week Ended		% Chng	Cumulative Week 1 to		% Chng
	11/25/17	11/26/16		11/25/17	11/26/16	
EI Electric Total Output (Mil. Kwh)	69,503	68,207	1.9%	3,600,626	3,638,296	-1.0%
EI Coal Region Output (Mil. Kwh)	59,493	58,251	2.1%	3,093,247	3,135,968	-1.4%
AISI Raw Steel Output (000 Tons)	1,703	1,591	7.0%	81,661	78,355	4.2%

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)	
	11/24/17	11/17/17	% Chng	Wed.	11/22/17
Central App, 12,500 Btu, 1.2 SO ₂	\$59.85	\$59.85	0.0%	Henry Hub	3.11
Northern App, 13,000 Btu, < 3.0 SO ₂	46.20	46.20	0.0%	New York	3.11
Illinois Basin, 11,800, 5.0 SO ₂	32.60	32.60	0.0%	Chicago	3.10
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.10	12.10	0.0%	Cal.Comp.Avg.	3.03
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



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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		
	11/25/2017 (week 47)	11/18/2017 (week 46)	11/19/2016 (week 47)	11/25/2017	11/25/2016	% Change	11/25/2017	11/19/2016	% Change
Alabama	234	228	213	10,976	8,678	26.5	12,104	9,451	28.1
Alaska	12	14	17	753	854	-11.8	845	964	-12.3
Arizona	105	119	114	5,534	4,909	12.7	6,135	5,368	14.3
Arkansas	1	1	1	37	45	-18.6	42	52	-19.2
Colorado	319	333	329	14,500	11,143	30.1	16,244	12,185	33.3
Illinois	825	832	906	43,482	39,471	10.2	48,281	43,534	10.9
Indiana	531	594	598	28,558	26,056	9.6	31,727	28,483	11.4
Kansas	-	-	-	-	27	-100.0	-	49	-
Kentucky Total	740	794	917	39,453	38,728	1.9	44,309	43,162	2.7
Eastern (KY)	295	320	363	16,272	15,127	7.6	18,195	17,136	6.2
Western (KY)	445	474	554	23,182	23,601	-1.8	26,114	26,026	0.3
Louisiana	56	63	66	2,642	2,499	5.8	2,992	2,752	8.7
Maryland	36	35	40	1,653	1,433	15.3	1,866	1,572	18.7
Mississippi	56	60	62	2,836	2,591	9.5	3,162	2,790	13.3
Missouri	5	6	5	254	212	20.1	280	214	30.8
Montana	628	616	771	29,208	28,844	1.3	33,291	32,045	3.9
New Mexico	232	244	303	11,890	11,970	-0.7	13,494	13,690	-1.4
North Dakota	501	535	611	25,877	25,351	2.1	29,116	27,645	5.3
Ohio	143	149	201	8,376	11,654	-28.1	9,440	12,969	-27.2
Oklahoma	9	9	13	506	595	-14.9	576	657	-12.3
Pennsylvania Total	940	990	1,053	46,678	41,114	13.5	52,257	44,686	16.9
Anthracite (PA)	31	31	35	1,624	1,506	7.8	1,809	1,696	6.7
Bituminous (PA)	909	959	1,018	45,054	39,608	13.8	50,448	42,991	17.3
Tennessee	8	9	12	468	592	-20.9	529	668	-20.8
Texas	649	661	826	33,349	35,259	-5.4	37,724	38,376	-1.7
Utah	242	254	301	12,736	12,605	1.0	14,332	13,735	4.3
Virginia	245	268	280	13,185	12,089	9.1	14,671	13,191	11.2
West Virginia Total	1,616	1,707	1,730	83,836	71,984	16.5	93,002	79,181	17.5
Northern (WV)	842	927	944	44,435	39,250	13.2	49,433	43,289	14.2
Southern (WV)	774	780	787	39,401	32,734	20.4	43,569	35,892	21.4
Wyoming	5,934	6,384	6,967	291,990	265,659	9.9	328,893	296,748	10.8
Appalachian Total	3,517	3,706	3,893	181,443	162,671	11.5	202,065	178,854	13.0
Interior Total	2,577	2,699	3,031	134,846	130,355	3.4	150,899	142,933	5.6
Western Total	7,974	8,500	9,413	392,489	361,335	8.6	442,350	402,379	9.9
East of Mississippi River	5,373	5,666	6,013	279,500	254,389	9.9	311,350	279,688	11.3
West of Mississippi River	8,694	9,239	10,324	429,278	399,971	7.3	483,964	444,479	8.9
Bituminous and Lignite	14,036	14,875	16,302	707,154	652,854	8.3	793,505	722,471	9.8
Anthracite	31	31	35	1,624	1,506	7.8	1,809	1,696	6.7
U.S. Total	14,068	14,906	16,337	708,778	654,360	8.3	795,314	724,167	9.8
Railroad Cars Loaded	81,340	86,185	94,751	4,000,190	3,685,089	8.6	4,502,090	4,089,269	10.1

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 47

OUTPUT FOR WEEK ENDED - Nov 25, 2017

Nov 29, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Nov 25, 2017 was 69,503 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 181 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended November 25		52 Weeks Ended November 25	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,164	-3.7	120,416	-2.3
Mid-Atlantic	7,637	-1.9	424,416	-2.0
Central Industrial	11,893	-0.1	659,108	-2.0
West Central	5,712	1.7	326,306	-0.8
Southeast	17,940	3.5	1,012,273	-1.1
South Central	11,987	5.2	723,040	1.4
Rocky Mountain	4,324	2.2	279,421	1.4
Pacific Northwest	2,904	-1.0	160,195	5.9
Pacific Southwest	4,942	3.5	283,548	0.1
Total United States	69,503	1.9	3,988,723	-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 04	70,053	Nov 05	69,752	0.4	Nov 04	3,979,258	-0.7
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
Nov 25	3,600,626	Nov 26	3,638,296	-1.0	YEAR TO DATE, FIRST 47 WEEKS		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
Nov 04	184	Nov 05	186	Nov 07	158
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

* 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		
	25-Nov 2017 GWh Output	26-Nov 2016 GWh Output	% Increase Over Corresponding Week of 2016	25-Nov 2017 GWh Output	26-Nov 2016 GWh Output	% Increase Over Corresponding Week of 2016	25-Nov 2017 GWh Output	26-Nov 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,164	2,246	-3.7%	108,189	111,742	-3.2%	120,416	123,252	-2.3%
Mid-Atlantic	7,637	7,786	-1.9%	382,486	394,153	-3.0%	424,416	432,969	-2.0%
Central Industrial	11,893	11,901	-0.1%	591,852	609,583	-2.9%	659,108	672,590	-2.0%
West Central	5,712	5,615	1.7%	293,958	298,412	-1.5%	326,306	329,008	-0.8%
Southeast	17,940	17,327	3.5%	914,403	934,091	-2.1%	1,012,273	1,023,428	-1.1%
South Central	11,987	11,390	5.2%	659,194	652,488	1.0%	723,040	712,954	1.4%
Rocky Mountain	4,324	4,232	2.2%	251,354	247,241	1.7%	279,421	275,606	1.4%
Pacific Northwest	2,904	2,934	-1.0%	141,147	133,173	6.0%	160,195	151,318	5.9%
Pacific Southwest	4,942	4,776	3.5%	258,043	257,413	0.2%	283,548	283,267	0.1%
Total United States ^{1/}	69,503	68,207	1.9%	3,600,626	3,638,296	-1.0%	3,988,723	4,004,392	-0.4%
Coal Regions Only ^{2/}	59,493	58,251	2.1%	3,093,247	3,135,968	-1.4%	3,424,564	3,446,555	-0.6%

Notes: EEl 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. EEl 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 (EEl), *Weekly Electric Output Report*.

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November 27, 2017

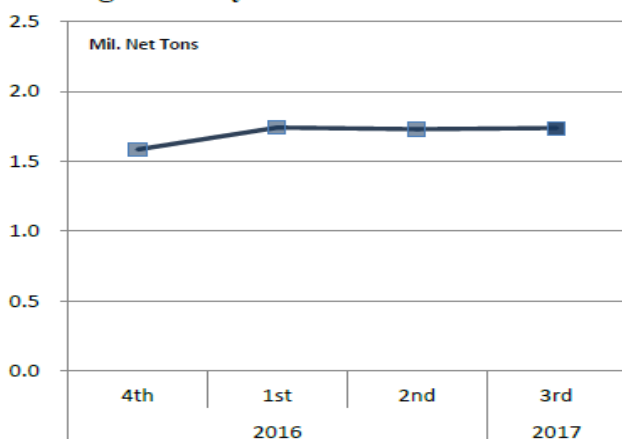
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Nov 25</u>	<u>Week Ending Nov 18</u>	
<u>Week Ending</u>				North East	207	219
				Great Lakes	616	603
November 25, 2017	1,703	-2.4	73.0	Midwest	162	168
November 25, 2016	1,591	7.0	67.1	Southern	651	687
November 18, 2017	1,745	0.3	74.9	Western	67	68
				Total	1,703	1,745
<u>Year-to-Date +</u>						
November 25, 2017	81,661	4.2	74.5			
November 25, 2016	78,355	-	70.8			

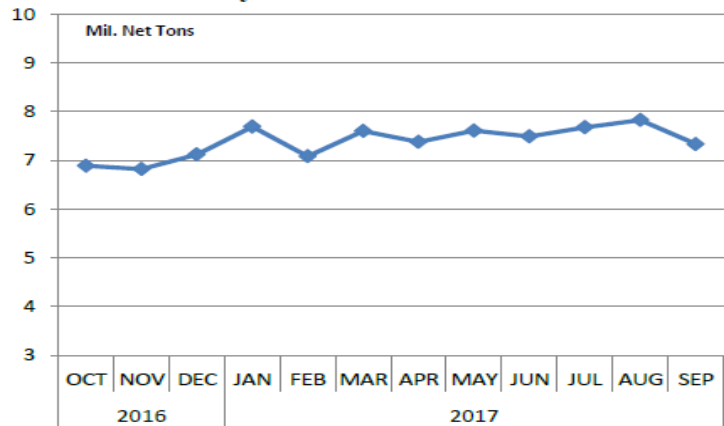
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 47, 2017 – Ended November 25, 2017

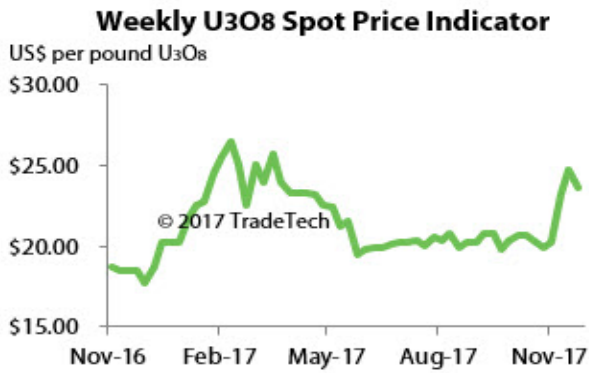
	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	230,326	0.2%	12,199,607	259,566	3.0%
Chemicals	26,997	-0.2%	1,451,612	30,885	1.0%
Coal	81,340	-2.6%	4,000,188	85,110	8.7%
Farm Products excl. Grain, and Food	14,531	-6.7%	749,904	15,955	-1.9%
Forest Products	9,043	6.3%	470,749	10,016	-0.6%
Grain	18,771	-16.9%	1,039,790	22,123	-2.5%
Metallic Ores and Metals	19,802	8.9%	1,062,673	22,610	5.9%
Motor Vehicles and Parts	14,309	12.0%	784,502	16,692	-6.8%
Nonmetallic Minerals	29,579	18.0%	1,741,074	37,044	8.5%
Petroleum and Petroleum Products	8,831	-3.5%	446,513	9,500	-13.4%
Other	7,123	-4.7%	452,602	9,630	-1.9%
Total Intermodal Units	233,276	4.7%	12,653,426	269,222	3.7%
Total Traffic	463,602	2.4%	24,853,033	528,788	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.

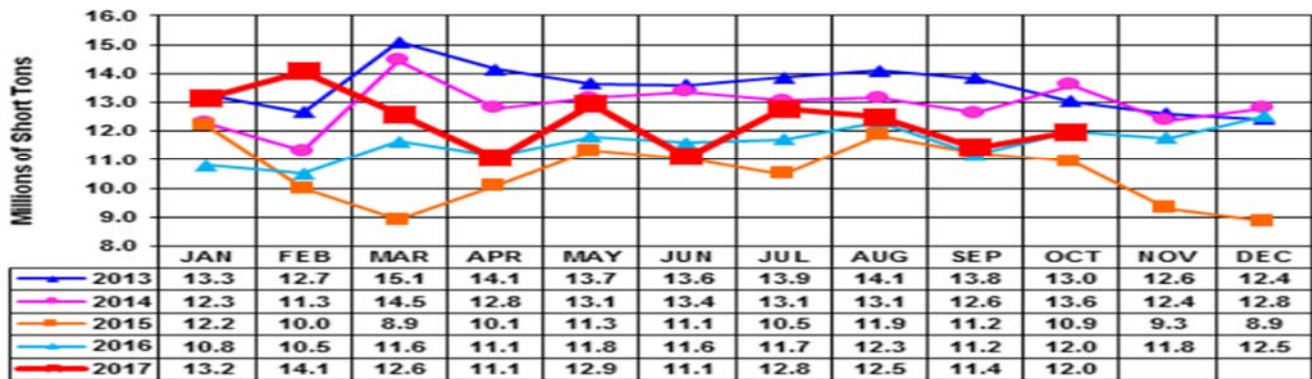
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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

NYMEX coal futures near-month contract final settlement price



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

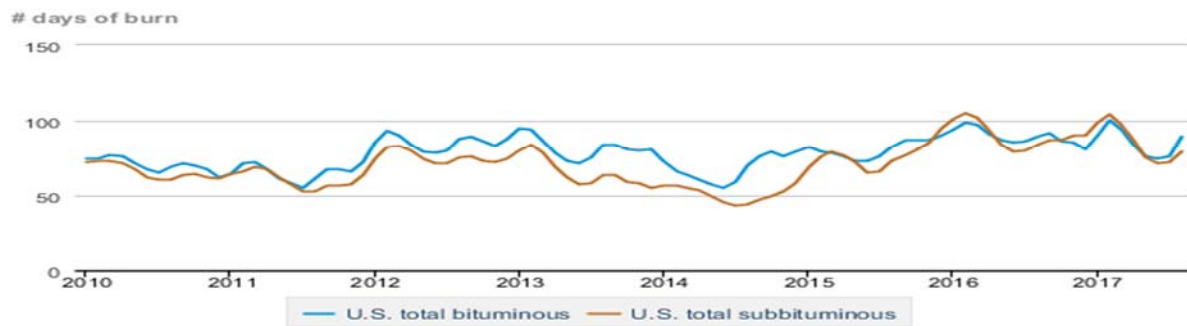
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	10/27/17	11/03/17	11/10/17	11/17/17	11/24/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$57.85	\$57.85	\$59.85	\$59.85	\$59.85	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.45	\$45.45	\$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	\$11.75	\$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 - August 2017



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Nov 09)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	118	-25	-8	0	0	0
Middle Atlantic	117	-17	21	0	0	0
E N Central	148	-3	69	0	0	-1
W N Central	198	35	124	0	0	-2
South Atlantic	56	-30	2	22	7	1
E S Central	39	-48	0	14	12	4
W S Central	35	-17	22	36	26	-1
Mountain	134	-13	45	5	3	-2
Pacific	77	9	52	0	-1	-2
United States	108	-7	45	9	4	0

Note: HDD = heating degree day; CDD = cooling degree day
Source: National Oceanic and Atmospheric Administration

Source: Energy Information Administration (data latest available)

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	August 2017		August 2016			July 2017		
		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	4,143	88	5,312	98	-22.0%	3,915	72	5.8%
	Subbituminous	129	139	153	131	-15.6%	129	166	0.0%
South	Bituminous	27,973	91	27,906	84	0.2%	28,498	75	-1.8%
	Subbituminous	5,362	59	5,899	67	-9.1%	5,709	55	-6.1%
Midwest	Bituminous	13,187	83	16,830	99	-21.6%	13,750	76	-4.1%
	Subbituminous	36,407	80	40,679	82	-10.5%	38,044	73	-4.3%
West	Bituminous	5,457	90	5,715	79	-4.5%	5,576	82	-2.1%
	Subbituminous	26,995	83	31,529	92	-14.4%	28,432	74	-5.1%
U.S. Total	Bituminous	50,760	89	55,763	89	-9.0%	51,738	76	-1.9%
	Subbituminous	68,894	79	78,259	84	-12.0%	72,313	72	-4.7%

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

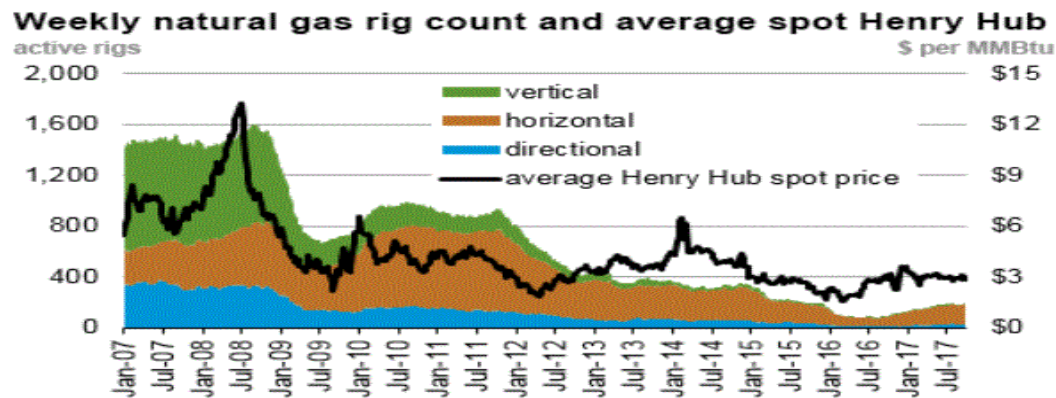
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-11-10	2017-11-03	change
East	915	925	-10
Midwest	1,108	1,112	-4
Mountain	220	224	-4
Pacific	315	317	-2
South Central	1,214	1,212	2
Total	3,772	3,790	-18

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Natural Gas Weekly Update* (data latest available)

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 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*