

National Mining Association

Weekly Statistical Summary

November 10, 2017 Edition
(Data for Week Ending November 4, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 44
Dated 11/10/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/04/17	10/29/16	% Chng	11/04/17	11/04/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,019	16,098	-6.7%	665,039	607,515	9.5%
52 Weeks Ended	799,825	725,153	10.3%			
AAR Coal Rail Cars Loaded:	86,843	93,365	-7.0%	3,747,287	3,413,390	9.8%
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
	11/04/17	11/05/16		11/04/17	11/05/16	
EI Electric Total Output (Mil. Kwh)	70,053	69,752	0.4%	3,386,033	3,433,168	-1.4%
EI Coal Region Output (Mil. Kwh)	60,075	59,764	0.5%	2,909,350	2,960,932	-1.7%
AISI Raw Steel Output (000 Tons)	1,715	1,573	9.0%	76,474	73,583	3.9%

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)	
	11/03/17	10/27/17	% Chng	Wed.	11/01/17
Central App, 12,500 Btu, 1.2 SO ₂	\$57.85	\$55.50	0.0%	Henry Hub	2.64
Northern App, 13,000 Btu, < 3.0 SO ₂	45.45	45.40	0.0%	New York	1.34
Illinois Basin, 11,800, 5.0 SO ₂	32.60	32.60	0.0%	Chicago	2.67
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.75	11.75	0.0%	Cal.Comp.Avg.	2.71
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		
	11/4/2017 (week 44)	10/28/2017 (week 43)	10/29/2016 (week 44)	11/4/2017	11/4/2016	% Change	11/4/2017	10/29/2016	% Change
Alabama	250	221	210	10,285	8,067	27.5	12,042	9,382	28.4
Alaska	13	14	17	713	804	-11.3	856	987	-13.3
Arizona	112	116	112	5,196	4,583	13.4	6,133	5,360	14.4
Arkansas	1	1	1	35	43	-18.5	42	53	-20.8
Colorado	340	323	324	13,522	10,200	32.6	16,237	11,987	35.5
Illinois	880	807	893	40,995	36,873	11.2	48,470	43,704	10.9
Indiana	567	576	590	26,866	24,340	10.4	31,803	28,442	11.8
Kansas	27	-100.0	.	62	.
Kentucky Total	790	771	903	37,143	36,099	2.9	44,707	43,526	2.7
Eastern (KY)	315	310	358	15,348	14,086	9.0	18,344	17,431	5.2
Western (KY)	475	460	546	21,795	22,014	-1.0	26,363	26,095	1.0
Louisiana	60	61	65	2,465	2,309	6.7	3,009	2,739	9.9
Maryland	38	34	40	1,546	1,318	17.3	1,878	1,555	20.8
Mississippi	60	58	61	2,660	2,414	10.2	3,169	2,756	15.0
Missouri	6	5	5	238	198	20.4	278	204	36.3
Montana	671	598	759	27,315	26,634	2.6	33,674	32,036	5.1
New Mexico	248	237	298	11,175	11,101	0.7	13,673	13,963	-2.1
North Dakota	535	519	602	24,315	23,598	3.0	29,359	27,492	6.8
Ohio	153	144	198	7,931	11,077	-28.4	9,589	13,253	-27.6
Oklahoma	10	9	13	478	557	-14.3	586	661	-11.3
Pennsylvania Total	1,004	960	1,038	43,771	38,094	14.9	52,461	44,195	18.7
Anthracite (PA)	33	30	34	1,531	1,406	8.9	1,819	1,722	5.6
Bituminous (PA)	970	930	1,003	42,240	36,688	15.1	50,641	42,473	19.2
Tennessee	9	9	11	442	558	-20.9	537	685	-21.6
Texas	693	641	814	31,361	32,890	-4.6	38,176	38,179	s
Utah	258	247	297	11,989	11,741	2.1	14,474	13,658	6.0
Virginia	261	260	276	12,413	11,284	10.0	14,727	13,150	12.0
West Virginia Total	1,725	1,656	1,705	78,836	67,022	17.6	93,113	79,168	17.6
Northern (WV)	899	899	930	41,769	36,544	14.3	49,554	43,350	14.3
Southern (WV)	826	757	775	37,067	30,478	21.6	43,559	35,818	21.6
Wyoming	6,336	6,192	6,865	273,349	245,682	11.3	330,828	297,957	11.0
Appalachian Total	3,754	3,595	3,836	170,572	151,507	12.6	202,692	178,819	13.4
Interior Total	2,752	2,618	2,986	126,893	121,665	4.3	151,897	142,894	6.3
Western Total	8,513	8,245	9,275	367,574	334,344	9.9	445,236	403,440	10.4
East of Mississippi River	5,737	5,496	5,925	262,888	237,148	10.9	312,497	279,815	11.7
West of Mississippi River	9,282	8,962	10,173	402,150	370,367	8.6	487,328	445,338	9.4
Bituminous and Lignite	14,986	14,428	16,063	663,507	606,109	9.5	798,005	723,431	10.3
Anthracite	33	30	34	1,531	1,406	8.9	1,819	1,722	5.6
U.S. Total	15,019	14,458	16,098	665,039	607,515	9.5	799,825	725,153	10.3
Railroad Cars Loaded	86,843	83,597	93,365	3,747,287	3,413,390	9.8	4,529,034	4,092,687	10.7

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 44

OUTPUT FOR WEEK ENDED - Nov 04, 2017

Nov 08, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Nov 04, 2017** was **70,053** 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 November 04		52 Weeks Ended November 04	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,017	-4.9	120,335	-2.4
Mid-Atlantic	7,289	0.4	423,895	-2.1
Central Industrial	11,803	3.9	657,709	-2.4
West Central	6,123	5.0	325,298	-1.3
Southeast	17,248	-1.1	1,009,559	-1.5
South Central	12,654	-2.7	720,247	1.0
Rocky Mountain	4,958	2.0	278,990	0.8
Pacific Northwest	3,010	7.2	159,642	4.8
Pacific Southwest	4,951	-2.1	283,583	0.1
Total United States	70,053	0.4	3,979,258	-0.7

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Oct 14	74,900	Oct 15	70,015	7.0	Oct 14	3,982,230	-0.5
Oct 21	69,651	Oct 22	72,602	-4.1	Oct 21	3,979,278	-0.7
Oct 28	68,634	Oct 29	68,955	-0.5	Oct 28	3,978,957	-0.7
Nov 04	70,053	Nov 05	69,752	0.4	Nov 04	3,979,258	-0.7
Nov 04	3,386,033	Nov 05	3,433,168	-1.4	YEAR TO DATE, FIRST 44 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Oct 14	191	Oct 15	179	Oct 17	165
Oct 21	179	Oct 22	188	Oct 24	159
Oct 28	179	Oct 29	180	Oct 31	157
Nov 04	184	Nov 05	186	Nov 07	158

* 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		
	4-Nov 2017 GWh Output	5-Nov 2016 GWh Output	% Increase Over Corresponding Week of 2016	4-Nov 2017 GWh Output	5-Nov 2016 GWh Output	% Increase Over Corresponding Week of 2016	4-Nov 2017 GWh Output	5-Nov 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,017	2,121	-4.9%	101,543	105,179	-3.5%	120,335	123,338	-2.4%
Mid-Atlantic	7,289	7,259	0.4%	359,211	371,399	-3.3%	423,895	432,775	-2.1%
Central Industrial	11,803	11,363	3.9%	555,343	574,472	-3.3%	657,709	673,569	-2.4%
West Central	6,123	5,833	5.0%	276,027	281,487	-1.9%	325,298	329,426	-1.3%
Southeast	17,248	17,440	-1.1%	859,855	882,257	-2.5%	1,009,559	1,024,417	-1.5%
South Central	12,654	13,011	-2.7%	622,033	618,120	0.6%	720,247	712,928	1.0%
Rocky Mountain	4,958	4,858	2.1%	236,881	233,197	1.6%	278,990	276,905	0.8%
Pacific Northwest	3,010	2,808	7.2%	131,995	124,574	6.0%	159,642	152,326	4.8%
Pacific Southwest	4,951	5,059	-2.1%	243,146	242,482	0.3%	283,583	283,206	0.1%
Total United States ^{1/}	70,053	69,752	0.4%	3,386,034	3,433,167	-1.4%	3,979,258	4,008,890	-0.7%
Coal Regions Only ^{2/}	60,075	59,764	0.5%	2,909,350	2,960,932	-1.7%	3,415,698	3,450,020	-1.0%

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 6, 2017

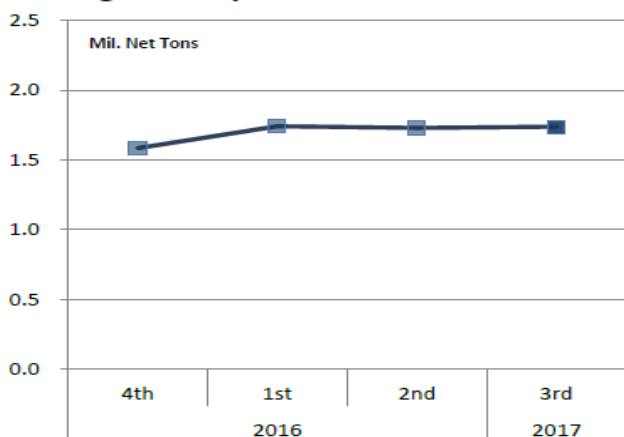
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 4</u>	<u>Week Ending Oct 28</u>	
<u>Week Ending</u>				North East	187	191
				Great Lakes	642	653
November 4, 2017	1,715	-1.4	73.6	Midwest	159	162
November 4, 2016	1,573	9.0	68.7	Southern	653	656
October 28, 2017	1,739	0.5	74.6	Western	<u>74</u>	<u>77</u>
				Total	1,715	1,739
<u>Year-to-Date +</u>						
November 4, 2017	76,474	3.9	74.6			
November 4, 2016	73,583	-	71.1			

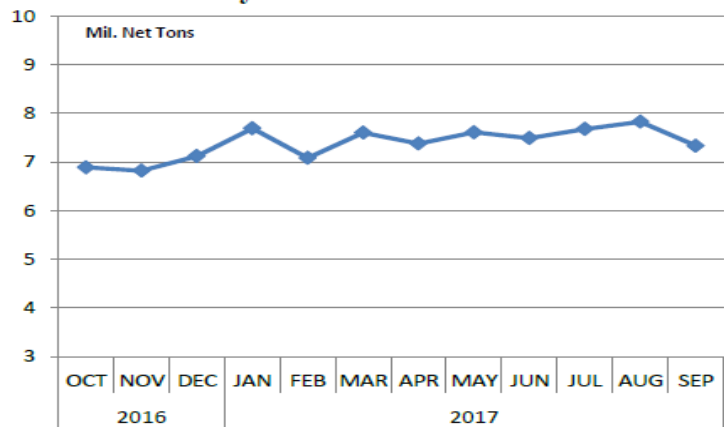
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 30.3 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 44, 2017 – Ended November 4, 2017

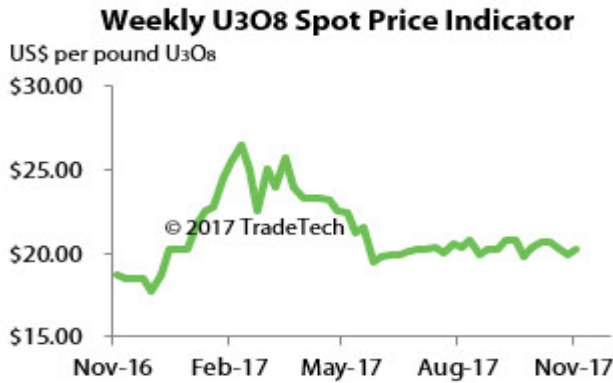
	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	266,652	-1.7%	11,439,089	259,979	3.3%
Chemicals	31,552	6.0%	1,362,014	30,955	0.9%
Coal	86,843	-6.5%	3,747,285	85,166	10.0%
Farm Products excl. Grain, and Food	16,736	-2.8%	701,872	15,952	-1.8%
Forest Products	10,042	5.7%	441,807	10,041	-0.8%
Grain	23,281	-18.8%	976,248	22,187	-1.6%
Metallic Ores and Metals	22,716	22.5%	996,502	22,648	5.5%
Motor Vehicles and Parts	17,534	-4.7%	735,272	16,711	-7.3%
Nonmetallic Minerals	38,980	6.6%	1,634,822	37,155	8.4%
Petroleum and Petroleum Products	9,665	-11.2%	417,214	9,482	-13.8%
Other	9,303	6.0%	426,053	9,683	-2.0%
Total Intermodal Units	272,087	0.0%	11,848,796	269,291	3.6%
Total Traffic	538,739	-0.8%	23,287,885	529,270	3.5%

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.

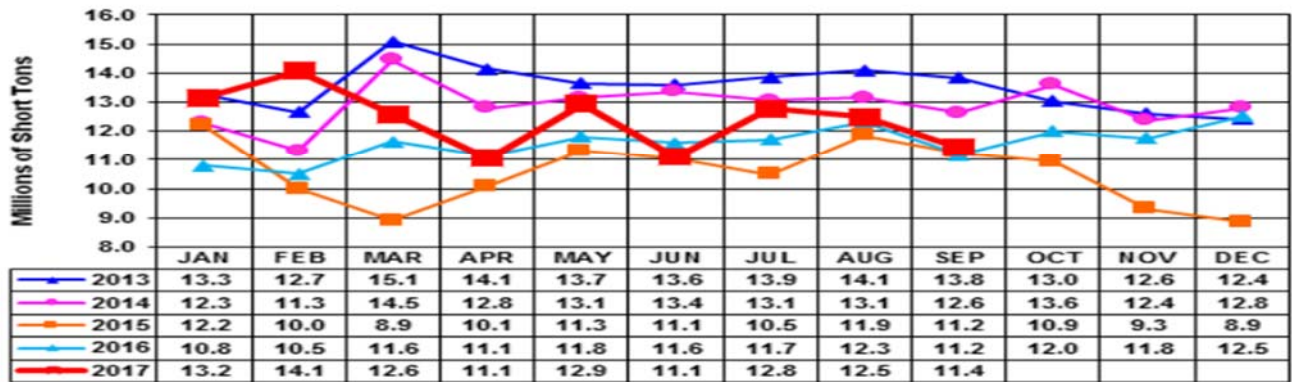
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's Uranium Price Indicators



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

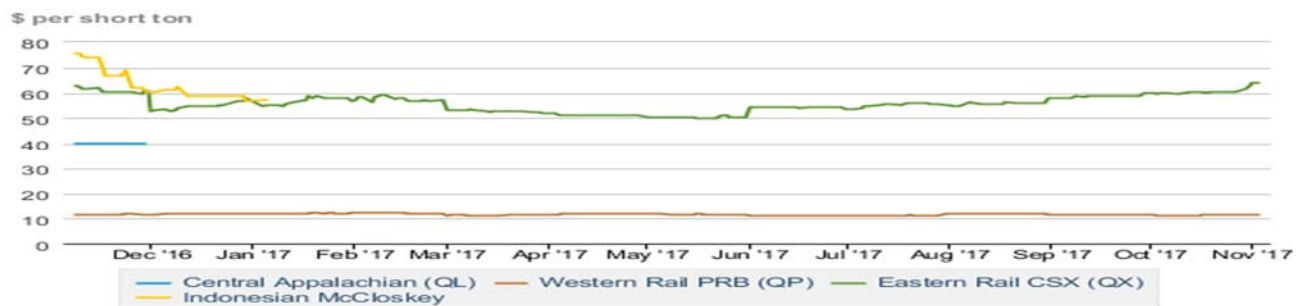
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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 change
	10/06/17	10/13/17	10/20/17	10/27/17	11/03/17	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$55.50	\$55.50	\$55.50	\$57.85	\$57.85	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.40	\$45.40	\$45.40	\$45.45	\$45.45	\$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	\$11.75	\$11.75	\$11.75	\$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 News and Markets 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 Oct 26)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	37	-79	-33	0	0	-3
Middle Atlantic	46	-60	-21	0	0	-5
E N Central	78	-37	-18	0	-1	-1
W N Central	77	-38	-19	0	-1	0
South Atlantic	42	-20	6	25	4	-4
E S Central	52	-10	13	3	-3	-14
W S Central	24	-4	6	27	6	-10
Mountain	85	-24	12	14	8	-3
Pacific	25	-20	7	24	20	17
United States	53	-32	-6	13	5	-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)



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	August 2017		August 2016		% Change of Stocks	July 2017		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	4,143	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

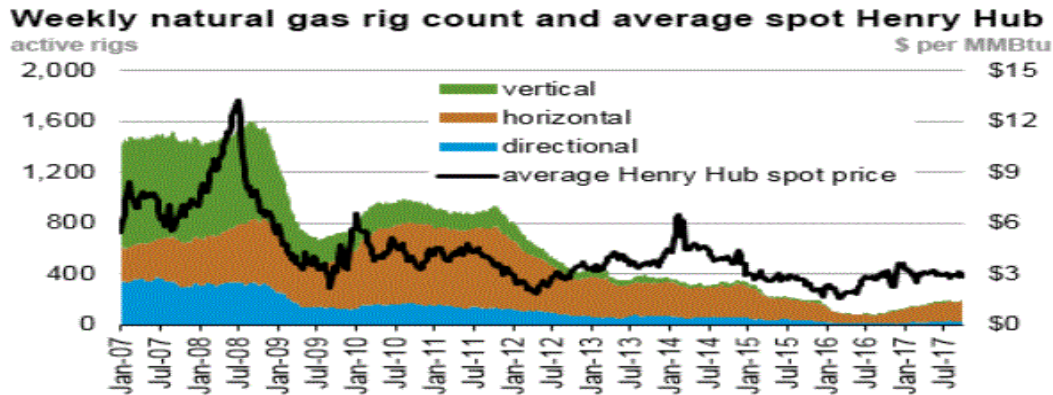
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-10-27	2017-10-20	change
East	926	915	11
Midwest	1,107	1,082	25
Mountain	226	224	2
Pacific	317	315	2
South Central	1,199	1,174	25
Total	3,775	3,710	65

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 2017	November 2017	change	October 2017	November 2017	change
Anadarko	376	380	4	2,521	2,530	9
Appalachia	134	135	1	14,204	14,179	(25)
Bakken	1,226	1,246	20	1,561	1,565	4
Eagle Ford	1,069	1,090	21	4,116	4,311	195
Haynesville	33	34	1	7,735	7,718	(17)
Niobrara	1,077	1,084	7	4,250	4,259	9
Permian	572	568	(4)	998	998	-
Total	593	589	(4)	3,414	3,449	35

Source: Energy Information Administration, *Drilling Productivity Report*