

National Mining Association

Weekly Statistical Summary

December 15, 2017 Edition
(Data for Week Ending December 9, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 49
Dated 12/15/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/09/17	12/03/16	% Chng	12/09/17	12/09/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,532	15,475	0.4%	740,004	684,897	8.0%
52 Weeks Ended	796,661	722,931	10.2%			
AAR Coal Rail Cars Loaded:	89,808	89,753	0.1%	4,180,745	3,862,200	8.2%
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		
	12/09/17	12/10/16	% Chng	12/09/17	12/10/16	% Chng
EI Electric Total Output (Mil. Kwh)	77,666	79,065	-1.8%	3,750,340	3,790,507	-1.1%
EI Coal Region Output (Mil. Kwh)	66,488	67,576	-1.6%	3,221,120	3,266,083	-1.4%
AISI Raw Steel Output (000 Tons)	1,672	1,607	4.0%	85,053	81,558	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)	
	12/08/17	12/01/17	% Chng	Wed.	12/06/17
Central App, 12,500 Btu, 1.2 SO ₂	\$59.85	\$59.85	0.0%	Henry Hub	2.92
Northern App, 13,000 Btu, < 3.0 SO ₂	46.20	46.20	0.0%	New York	3.26
Illinois Basin, 11,800, 5.0 SO ₂	32.60	32.60	0.0%	Chicago	2.91
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.10	12.10	0.0%	Cal.Comp.Avg.	2.98
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		
	12/9/2017 (week 49)	12/2/2017 (week 48)	12/3/2016 (week 49)	12/9/2017	12/9/2016	% Change	12/9/2017	12/3/2016	% Change
Alabama	238	243	202	11,457	9,076	26.2	12,195	9,487	28.5
Alaska	15	14	16	782	886	-11.7	842	949	-11.3
Arizona	124	120	108	5,778	5,121	12.8	6,172	5,369	15.0
Arkansas	1	1	1	38	47	-18.4	41	51	-19.6
Colorado	347	347	312	15,195	11,759	29.2	16,336	12,298	32.8
Illinois	867	883	858	45,232	41,165	9.9	48,374	43,393	11.5
Indiana	619	602	567	29,779	27,175	9.6	31,854	28,487	11.8
Kansas	27	-100.0	.	40	.
Kentucky Total	828	825	868	41,106	40,442	1.6	44,285	42,897	3.2
Eastern (KY)	333	328	344	16,933	15,806	7.1	18,192	16,936	7.4
Western (KY)	494	497	524	24,173	24,636	-1.9	26,093	25,962	0.5
Louisiana	66	62	63	2,771	2,622	5.7	3,000	2,758	8.8
Maryland	36	39	38	1,728	1,509	14.5	1,868	1,582	18.1
Mississippi	62	63	58	2,961	2,706	9.4	3,175	2,810	13.0
Missouri	6	6	5	266	221	20.4	283	221	28.1
Montana	642	689	730	30,540	30,285	0.8	33,213	32,022	3.7
New Mexico	255	253	287	12,398	12,536	-1.1	13,448	13,506	-0.4
North Dakota	557	560	579	26,995	26,494	1.9	29,115	27,719	5.0
Ohio	155	162	190	8,693	12,029	-27.7	9,390	12,781	-26.5
Oklahoma	10	10	12	526	619	-15.1	571	654	-12.7
Pennsylvania Total	1,032	1,039	998	48,748	43,083	13.2	52,401	44,957	16.6
Anthracite (PA)	32	33	33	1,689	1,572	7.4	1,810	1,678	7.9
Bituminous (PA)	999	1,006	965	47,060	41,511	13.4	50,591	43,279	16.9
Tennessee	9	9	11	487	613	-20.6	527	657	-19.8
Texas	688	720	782	34,757	36,803	-5.6	37,622	38,469	-2.2
Utah	265	267	285	13,268	13,168	0.8	14,313	13,771	3.9
Virginia	279	276	266	13,740	12,613	8.9	14,713	13,206	11.4
West Virginia Total	1,779	1,782	1,639	87,396	75,219	16.2	93,398	79,125	18.0
Northern (WV)	966	953	894	46,354	41,014	13.0	49,626	43,215	14.8
Southern (WV)	813	829	745	41,043	34,205	20.0	43,771	35,910	21.9
Wyoming	6,652	6,721	6,599	305,363	278,681	9.6	329,524	295,722	11.4
Appalachian Total	3,862	3,878	3,688	189,182	169,948	11.3	202,684	178,730	13.4
Interior Total	2,813	2,845	2,871	140,503	136,020	3.3	151,013	142,844	5.7
Western Total	8,857	8,972	8,916	410,319	378,930	8.3	442,964	401,356	10.4
East of Mississippi River	5,904	5,923	5,696	291,327	265,629	9.7	312,180	279,382	11.7
West of Mississippi River	9,628	9,772	9,779	448,677	419,268	7.0	484,481	443,549	9.2
Bituminous and Lignite	15,500	15,662	15,442	738,316	683,325	8.0	794,851	721,253	10.2
Anthracite	32	33	33	1,689	1,572	7.4	1,810	1,678	7.9
U.S. Total	15,532	15,695	15,475	740,004	684,897	8.0	796,661	722,931	10.2
Railroad Cars Loaded	89,808	90,747	89,753	4,180,745	3,862,200	8.2	4,509,350	4,083,550	10.4

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 49

OUTPUT FOR WEEK ENDED - Dec 09, 2017

Dec 13, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Dec 09, 2017 was 77,666 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 202 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended December 09		52 Weeks Ended December 09	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,348	-3.7	120,335	-2.4
Mid-Atlantic	8,191	-1.0	424,285	-2.1
Central Industrial	13,291	-3.0	658,155	-2.3
West Central	6,451	-3.6	325,996	-1.0
Southeast	19,233	-2.7	1,011,678	-1.4
South Central	13,836	3.4	723,504	1.3
Rocky Mountain	5,486	-5.0	278,703	1.1
Pacific Northwest	3,657	-5.8	159,977	5.5
Pacific Southwest	5,173	0.1	283,593	0.2
Total United States	77,666	-1.8	3,986,226	-0.6

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
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 09	77,666	Dec 10	79,065	-1.8	Dec 09	3,986,226	-0.6
Dec 09	3,750,340	Dec 10	3,790,507	-1.1	YEAR TO DATE, FIRST 49 WEEKS		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
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
Dec 09	202	Dec 10	187	Dec 12	168

* 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		
	9-Dec 2017 GWh Output	10-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016	9-Dec 2017 GWh Output	10-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016	9-Dec 2017 GWh Output	10-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,348	2,437	-3.7%	112,824	116,458	-3.1%	120,335	123,316	-2.4%
Mid-Atlantic	8,191	8,271	-1.0%	398,529	410,326	-2.9%	424,285	433,361	-2.1%
Central Industrial	13,291	13,698	-3.0%	617,693	636,376	-2.9%	658,155	673,418	-2.3%
West Central	6,451	6,692	-3.6%	306,267	311,032	-1.5%	325,996	329,438	-1.0%
Southeast	19,233	19,757	-2.7%	951,795	972,077	-2.1%	1,011,678	1,025,591	-1.4%
South Central	13,836	13,385	3.4%	685,164	677,996	1.1%	723,504	714,321	1.3%
Rocky Mountain	5,486	5,773	-5.0%	261,672	258,276	1.3%	278,703	275,673	1.1%
Pacific Northwest	3,657	3,884	-5.8%	148,085	140,329	5.5%	159,977	151,586	5.5%
Pacific Southwest	5,173	5,168	0.1%	268,311	267,637	0.3%	283,593	283,129	0.2%
Total United States ^{1/}	<u>77,666</u>	<u>79,065</u>	-1.8%	<u>3,750,340</u>	<u>3,790,507</u>	-1.1%	3,986,226	4,009,833	-0.6%
Coal Regions Only ^{2/}	66,488	67,576	-1.6%	3,221,120	3,266,083	-1.4%	3,422,321	3,451,802	-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*.

AMERICAN IRON AND STEEL INSTITUTE
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December 11, 2017

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

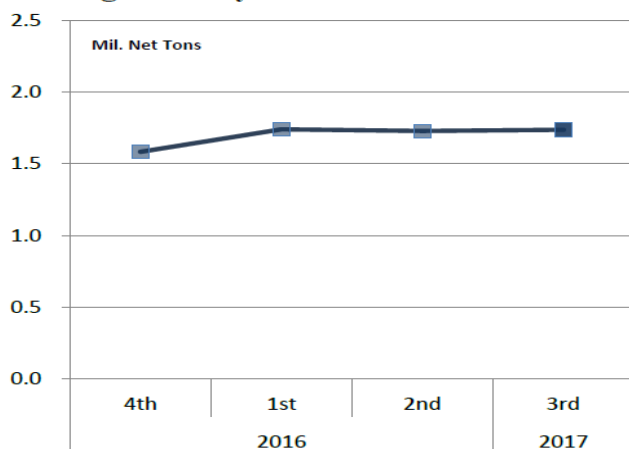
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
<u>Week Ending</u>				<u>Dec 9</u>	<u>Dec 2</u>	
				North East	202	210
				Great Lakes	607	631
December 9, 2017	1,672	-2.8	71.7	Midwest	169	168
December 9, 2016	1,607	4.0	67.8	Southern	621	641
December 2, 2017	1,720	1.0	73.8	Western	<u>73</u>	<u>70</u>
				Total	1,672	1,720

<u>Year-to-Date +</u>			
December 9, 2017	85,053	4.3	74.5
December 9, 2016	81,558	-	70.5

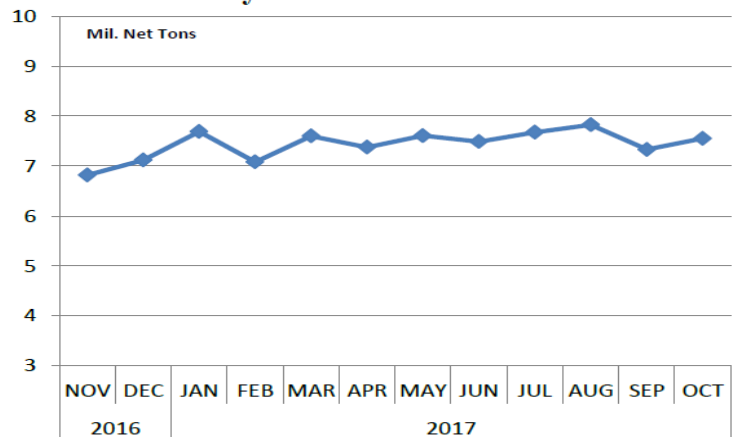
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 49, 2017 – Ended December 9, 2017

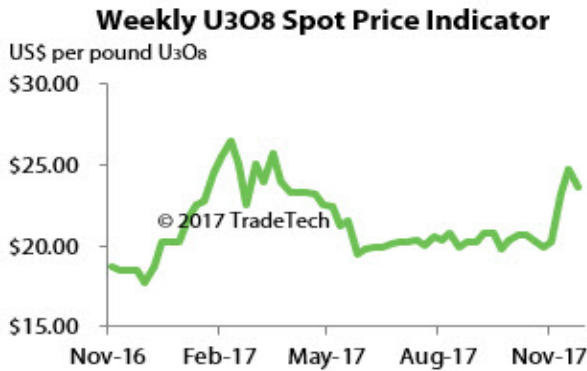
	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	267,963	3.4%	12,747,921	260,162	3.0%
Chemicals	32,372	8.3%	1,518,673	30,993	1.2%
Coal	89,808	2.0%	4,180,743	85,321	8.4%
Farm Products excl. Grain, and Food	16,707	2.3%	784,143	16,003	-1.8%
Forest Products	10,283	8.4%	491,652	10,034	-0.5%
Grain	23,735	-3.0%	1,089,237	22,229	-2.4%
Metallic Ores and Metals	22,081	11.7%	1,107,137	22,595	5.9%
Motor Vehicles and Parts	17,589	-7.8%	820,713	16,749	-6.7%
Nonmetallic Minerals	35,630	9.2%	1,815,609	37,053	8.5%
Petroleum and Petroleum Products	10,839	8.1%	468,269	9,557	-12.8%
Other	8,919	-4.3%	471,745	9,627	-1.9%
Total Intermodal Units	292,793	4.6%	13,238,662	270,177	3.8%
Total Traffic	560,756	4.0%	25,986,583	530,338	3.4%

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.

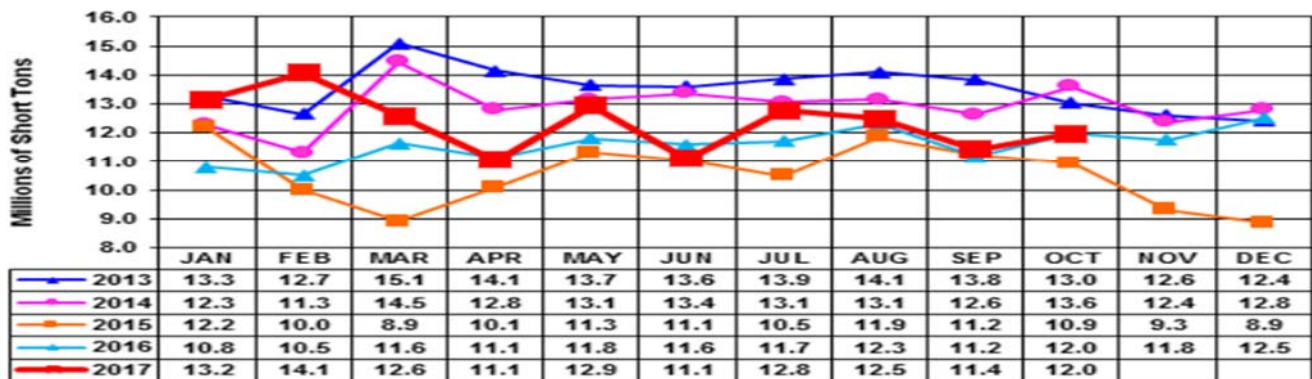
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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.

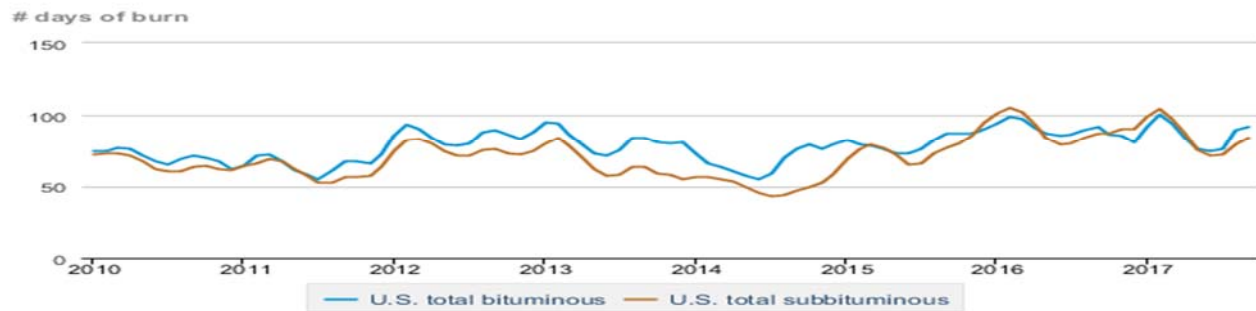
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	11/10/17	11/17/17	11/24/17	12/01/17	12/08/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$59.85	\$59.85	\$59.85	\$59.85	\$59.85	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$46.20	\$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	\$12.10	\$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*

Region	Temperature – heating & cooling degree days (week ending Nov 30)					
	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	178	-13	-5	0	0	0
Middle Atlantic	162	-20	-4	0	0	0
E N Central	154	-55	-16	0	0	0
W N Central	143	-92	-29	0	0	0
South Atlantic	112	-13	5	12	2	0
E S Central	110	-20	8	0	-1	0
W S Central	50	-45	-2	5	1	-5
Mountain	117	-84	-64	4	4	4
Pacific	60	-44	-50	0	-1	0
United States	120	-45	-20	3	1	0

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.

Temperature – heating & cooling degree days (week ending Nov 30)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	178	-13	-5	0	0	0
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United States	120	-45	-20	3	1	0

Note: HDD = heating degree day; CDD = cooling degree day

Source: National Oceanic and Atmospheric Administration

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

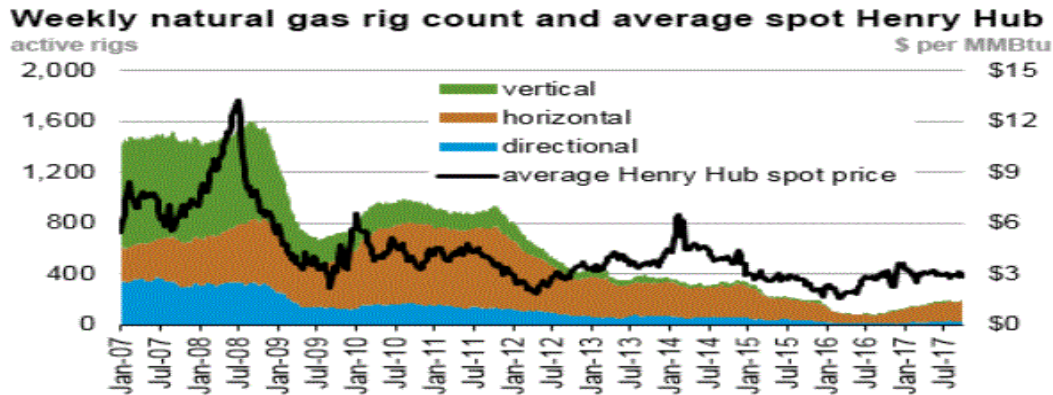
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-12-01	2017-11-24	change
East	868	876	-8
Midwest	1,058	1,068	-10
Mountain	221	221	0
Pacific	313	314	-1
South Central	1,235	1,214	21
Total	3,695	3,693	2

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		
	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*