

National Mining Association

Weekly Statistical Summary

November 24, 2017 Edition
(Data for Week Ending November 18, 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. 46
Dated 11/24/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/18/17	11/12/16	% Chng	11/18/17	11/18/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,906	15,894	-6.2%	694,710	639,706	8.6%
52 Weeks Ended	797,583	723,995	10.2%			
AAR Coal Rail Cars Loaded:	86,185	92,184	-6.5%	3,918,850	3,600,089	8.9%
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
	11/18/17	11/19/16		11/18/17	11/19/16	
EI Electric Total Output (Mil. Kwh)	72,678	68,835	5.6%	3,531,123	3,570,090	-1.1%
EI Coal Region Output (Mil. Kwh)	62,280	58,731	6.0%	3,033,754	3,077,717	-1.4%
AISI Raw Steel Output (000 Tons)	1,745	1,591	9.7%	79,958	76,764	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)	
	11/17/17	11/10/17	% Chng	Wed.	11/15/17
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



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		
	11/18/2017 (week 46)	11/11/2017 (week 45)	11/12/2016 (week 46)	11/18/2017	11/18/2016	% Change	11/18/2017	11/12/2016	% Change
Alabama	228	229	207	10,742	8,487	26.6	12,083	9,422	28.2
Alaska	14	13	17	741	838	-11.6	850	971	-12.5
Arizona	119	113	110	5,429	4,807	12.9	6,144	5,362	14.6
Arkansas	1	1	1	36	45	-18.7	42	52	-19.2
Colorado	333	327	320	14,182	10,848	30.7	16,254	12,110	34.2
Illinois	832	831	881	42,657	38,658	10.3	48,363	43,563	11.0
Indiana	594	567	582	28,027	25,519	9.8	31,795	28,452	11.7
Kansas	27	-100.0	.	53	.
Kentucky Total	794	776	892	38,714	37,906	2.1	44,486	43,254	2.8
Eastern (KY)	320	308	353	15,977	14,801	7.9	18,263	17,222	6.0
Western (KY)	474	467	539	22,737	23,104	-1.6	26,223	26,032	0.7
Louisiana	63	59	64	2,587	2,439	6.0	3,002	2,746	9.3
Maryland	35	36	39	1,617	1,397	15.8	1,871	1,566	19.5
Mississippi	60	59	60	2,780	2,535	9.6	3,167	2,777	14.0
Missouri	6	6	5	249	207	20.1	280	211	32.7
Montana	616	649	750	28,580	28,153	1.5	33,433	32,018	4.4
New Mexico	244	238	295	11,658	11,698	-0.3	13,564	13,770	-1.5
North Dakota	535	527	595	25,377	24,803	2.3	29,227	27,576	6.0
Ohio	149	153	196	8,233	11,473	-28.2	9,498	13,056	-27.3
Oklahoma	9	10	13	497	583	-14.8	579	658	-12.0
Pennsylvania Total	990	977	1,025	45,738	40,169	13.9	52,371	44,493	17.7
Anthracite (PA)	31	31	34	1,593	1,475	8.0	1,813	1,703	6.5
Bituminous (PA)	959	947	991	44,145	38,694	14.1	50,558	42,790	18.2
Tennessee	9	9	11	460	581	-20.9	533	673	-20.8
Texas	661	678	804	32,699	34,518	-5.3	37,901	38,286	-1.0
Utah	254	251	293	12,494	12,335	1.3	14,391	13,700	5.0
Virginia	268	259	273	12,941	11,837	9.3	14,707	13,169	11.7
West Virginia Total	1,707	1,676	1,684	82,219	70,432	16.7	93,116	79,124	17.7
Northern (WV)	927	897	918	43,593	38,403	13.5	49,535	43,280	14.5
Southern (WV)	780	780	766	38,627	32,028	20.6	43,582	35,844	21.6
Wyoming	6,384	6,323	6,778	286,056	259,409	10.3	329,926	296,933	11.1
Appalachian Total	3,706	3,648	3,788	177,926	159,178	11.8	202,441	178,725	13.3
Interior Total	2,699	2,676	2,948	132,268	127,636	3.6	151,352	142,829	6.0
Western Total	8,500	8,442	9,158	384,516	352,891	9.0	443,789	402,442	10.3
East of Mississippi River	5,666	5,572	5,850	274,127	248,996	10.1	311,990	279,547	11.6
West of Mississippi River	9,239	9,194	10,044	420,583	390,709	7.6	485,593	444,448	9.3
Bituminous and Lignite	14,875	14,735	15,860	693,117	638,230	8.6	795,770	722,292	10.2
Anthracite	31	31	34	1,593	1,475	8.0	1,813	1,703	6.5
U.S. Total	14,906	14,766	15,894	694,710	639,705	8.6	797,583	723,995	10.2
Railroad Cars Loaded	86,185	85,378	92,184	3,918,850	3,600,089	8.9	4,515,501	4,087,516	10.5

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 46

OUTPUT FOR WEEK ENDED - Nov 18, 2017

Nov 22, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Nov 18, 2017** was **72,678** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **190** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended November 18		52 Weeks Ended November 18	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,295	6.7	120,499	-2.2
Mid-Atlantic	7,969	6.6	424,565	-1.9
Central Industrial	12,533	6.0	659,116	-2.0
West Central	6,063	7.6	326,209	-0.9
Southeast	18,388	5.1	1,011,659	-1.2
South Central	12,369	7.7	722,443	1.3
Rocky Mountain	4,958	3.0	279,328	1.0
Pacific Northwest	3,102	3.2	160,225	5.5
Pacific Southwest	5,001	1.1	283,382	0.0
Total United States	72,678	5.6	3,987,426	-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)
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 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 18	3,531,123	Nov 19	3,570,090	-1.1	YEAR TO DATE, FIRST 46 WEEKS		

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

Week Ended	2017	Week Ended	2016	Week Ended	2015
Oct 28	179	Oct 29	180	Oct 31	157
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

* 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		
	18-Nov 2017 GWh Output	19-Nov 2016 GWh Output	% Increase Over Corresponding Week of 2016	18-Nov 2017 GWh Output	19-Nov 2016 GWh Output	% Increase Over Corresponding Week of 2016	18-Nov 2017 GWh Output	19-Nov 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,295	2,151	6.7%	106,025	109,496	-3.2%	120,499	123,230	-2.2%
Mid-Atlantic	7,969	7,475	6.6%	374,849	386,367	-3.0%	424,565	432,760	-1.9%
Central Industrial	12,533	11,820	6.0%	579,959	597,682	-3.0%	659,116	672,604	-2.0%
West Central	6,063	5,638	7.5%	288,246	292,797	-1.6%	326,209	329,136	-0.9%
Southeast	18,388	17,499	5.1%	896,463	916,764	-2.2%	1,011,659	1,023,514	-1.2%
South Central	12,369	11,486	7.7%	647,207	641,098	1.0%	722,443	713,343	1.3%
Rocky Mountain	4,958	4,813	3.0%	247,030	243,009	1.7%	279,328	276,535	1.0%
Pacific Northwest	3,102	3,007	3.2%	138,243	130,239	6.1%	160,225	151,843	5.5%
Pacific Southwest	5,001	4,946	1.1%	253,101	252,637	0.2%	283,382	283,369	0.0%
Total United States ^{1/}	<u>72,678</u>	<u>68,835</u>	5.6%	<u>3,531,123</u>	<u>3,570,089</u>	-1.1%	3,987,426	4,006,334	-0.5%
Coal Regions Only ^{2/}	62,280	58,731	6.0%	3,033,754	3,077,717	-1.4%	3,423,320	3,447,892	-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*.

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

November 20, 2017

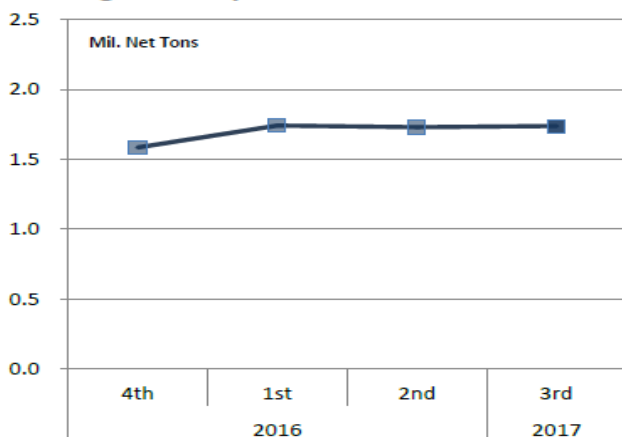
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Nov 18</u>	<u>Nov 11</u>	
<u>Week Ending</u>				North East	219	198
				Great Lakes	603	627
November 18, 2017	1,745	0.3	74.9	Midwest	168	164
November 18, 2016	1,591	9.7	67.1	Southern	687	686
November 11, 2017	1,739	1.4	74.6	Western	68	64
				Total	1,745	1,739
<u>Year-to-Date +</u>						
November 18, 2017	79,958	4.2	74.6			
November 18, 2016	76,764	-	70.8			

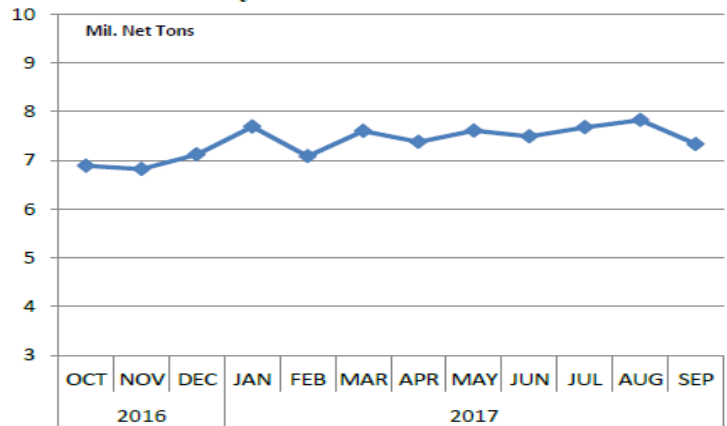
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 46, 2017 – Ended November 18, 2017

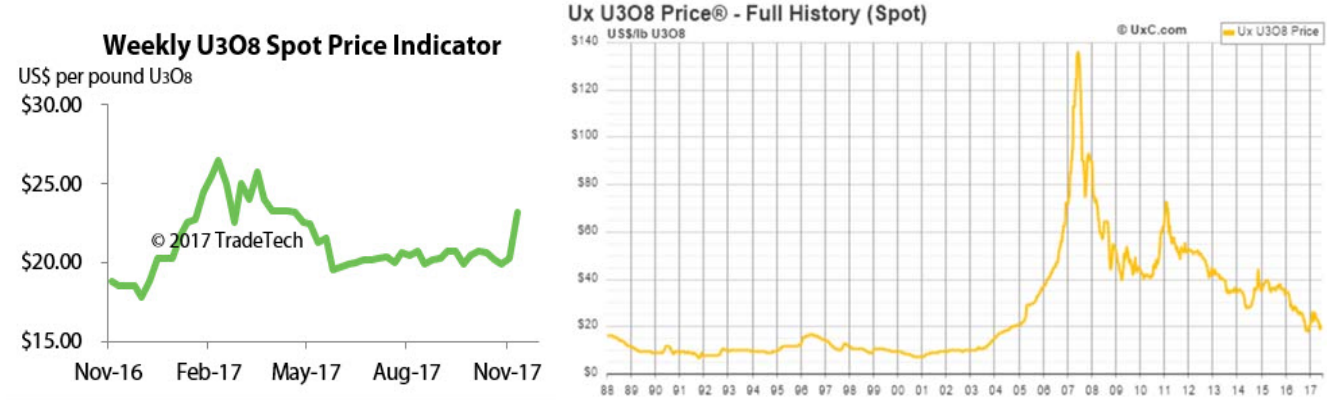
	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	266,927	-1.6%	11,969,281	260,202	3.0%
Chemicals	31,939	4.4%	1,424,615	30,970	1.0%
Coal	86,185	-9.0%	3,918,848	85,192	9.0%
Farm Products excl. Grain, and Food	16,781	-1.8%	735,373	15,986	-1.8%
Forest Products	10,072	-0.3%	461,706	10,037	-0.7%
Grain	21,926	-14.9%	1,021,019	22,196	-2.2%
Metallic Ores and Metals	23,696	23.7%	1,042,871	22,671	5.8%
Motor Vehicles and Parts	18,015	-3.2%	770,193	16,743	-7.1%
Nonmetallic Minerals	38,355	10.6%	1,711,495	37,206	8.3%
Petroleum and Petroleum Products	10,184	-8.0%	437,682	9,515	-13.6%
Other	9,774	2.4%	445,479	9,684	-1.8%
Total Intermodal Units	287,139	3.9%	12,420,150	270,003	3.7%
Total Traffic	554,066	1.2%	24,389,431	530,205	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.

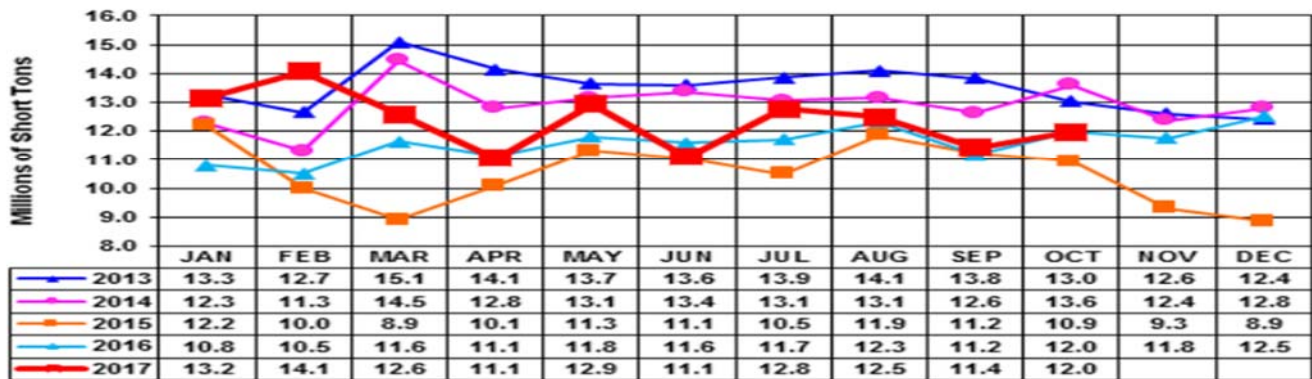
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's Uranium Price Indicators



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

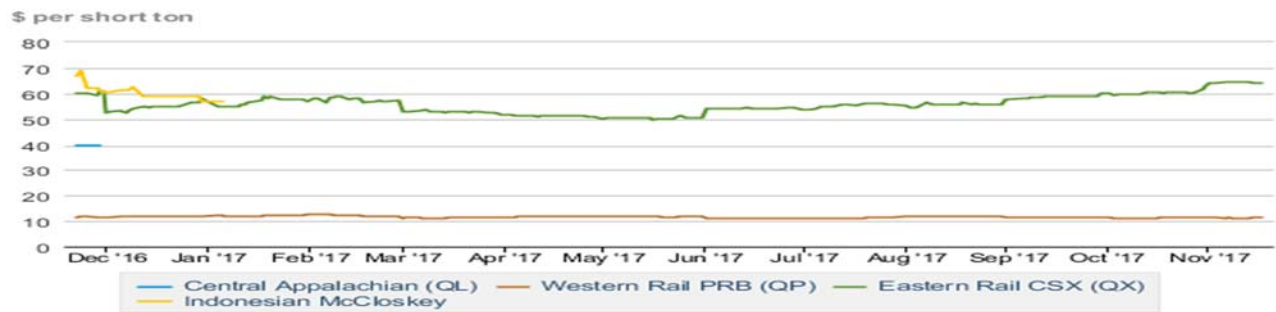
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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
	10/20/17	10/27/17	11/03/17	11/10/17	11/17/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$55.50	\$57.85	\$57.85	\$59.85	\$59.85	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.40	\$45.45	\$45.45	\$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	\$11.75	\$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

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

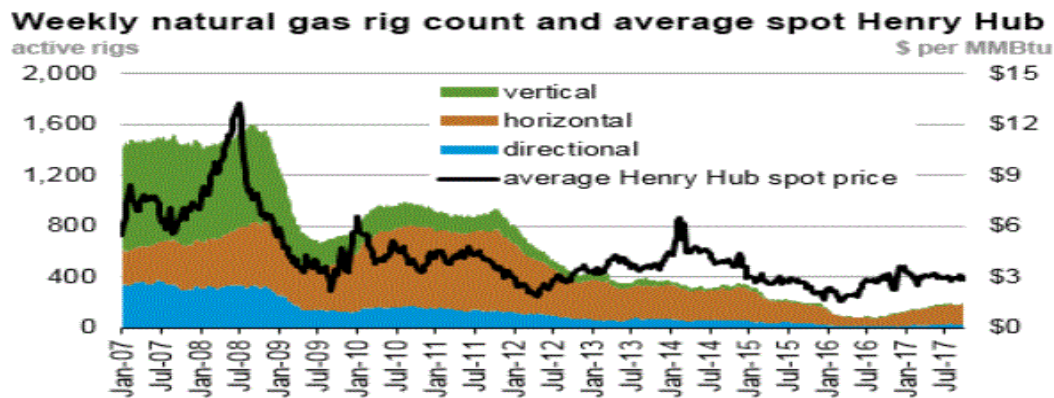
Working gas in underground storage

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*

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*