

National Mining Association

Weekly Statistical Summary

December 29, 2017 Edition
(Data for Week Ending December 23, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 51
Dated 12/29/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/23/17	12/17/16	% Chng	12/23/17	12/23/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,516	15,038	3.2%	760,368	714,584	6.4%
52 Weeks Ended	786,826	722,198	8.9%			
AAR Coal Rail Cars Loaded:	89,997	87,219	3.2%	4,358,583	4,034,381	8.0%
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		
	12/23/17	12/24/16	% Chng	12/23/17	12/24/16	% Chng
EI Electric Total Output (Mil. Kwh)	76,393	81,466	-6.2%	3,907,940	3,953,575	-1.2%
EI Coal Region Output (Mil. Kwh)	64,845	69,761	-7.0%	3,355,529	3,405,513	-1.5%
AISI Raw Steel Output (000 Tons)	1,718	1,607	6.9%	88,469	84,772	4.4%

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)	
	12/22/17	12/15/17	% Chng	Wed.	12/20/17
Central App, 12,500 Btu, 1.2 SO ₂	\$59.85	\$59.85	0.0%	Henry Hub	2.70
Northern App, 13,000 Btu, < 3.0 SO ₂	46.20	46.20	0.0%	New York	3.44
Illinois Basin, 11,800, 5.0 SO ₂	32.60	32.60	0.0%	Chicago	2.64
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.10	12.10	0.0%	Cal.Comp.Avg.	3.02
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



Weekly U.S. Coal Production Overview									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	12/23/2017 (week 51)	12/16/2017 (week 50)	12/17/2016 (week 51)	12/23/2017	12/23/2016	% Change	12/23/2017	12/17/2016	% Change
Alabama	243	254	196	12,381	9,463	30.8	12,726	9,529	33.6
Alaska	16	15	16	863	918	-6.0	891	935	-4.7
Arizona	116	110	104	5,806	5,327	9.0	5,990	5,374	11.5
Arkansas	1	1	1	35	49	-27.9	37	50	-26.0
Colorado	328	328	303	15,299	12,357	23.8	15,832	12,420	27.5
Illinois	899	915	834	47,195	42,811	10.2	48,663	43,281	12.4
Indiana	596	572	551	30,713	28,262	8.7	31,682	28,509	11.1
Kansas	27	-100.0	.	32	.
Kentucky Total	830	810	844	42,262	42,108	0.4	43,746	42,662	2.5
Eastern (KY)	350	343	334	18,103	16,466	9.9	18,691	16,748	11.6
Western (KY)	479	467	510	24,158	25,642	-5.8	25,055	25,915	-3.3
Louisiana	51	50	61	2,300	2,742	-16.1	2,407	2,766	-13.0
Maryland	37	37	37	1,748	1,582	10.5	1,813	1,592	13.9
Mississippi	54	52	57	2,727	2,818	-3.2	2,827	2,831	-0.1
Missouri	5	4	5	249	230	8.5	257	228	12.7
Montana	698	693	710	33,324	31,685	5.2	34,573	32,022	8.0
New Mexico	272	271	279	13,419	13,086	2.5	13,910	13,332	4.3
North Dakota	547	533	563	27,702	27,605	0.4	28,692	27,812	3.2
Ohio	161	154	185	8,729	12,395	-29.6	9,054	12,601	-28.1
Oklahoma	10	10	12	532	643	-17.3	553	651	-15.1
Pennsylvania Total	986	971	970	48,819	44,997	8.5	50,525	45,259	11.6
Anthracite (PA)	35	36	32	1,783	1,635	9.0	1,840	1,661	10.8
Bituminous (PA)	951	935	937	47,036	43,362	8.5	48,685	43,598	11.7
Tennessee	9	9	11	468	634	-26.2	487	646	-24.6
Texas	680	668	760	34,556	38,304	-9.8	35,893	38,587	-7.0
Utah	258	254	277	13,265	13,716	-3.3	13,753	13,817	-0.5
Virginia	266	257	258	13,652	13,123	4.0	14,107	13,230	6.6
West Virginia Total	1,765	1,745	1,593	89,087	78,363	13.7	91,890	79,121	16.1
Northern (WV)	917	882	869	45,334	42,728	6.1	46,862	43,170	8.6
Southern (WV)	848	863	724	43,753	35,635	22.8	45,027	35,951	25.2
Wyoming	6,690	6,431	6,413	315,236	291,341	8.2	326,520	294,913	10.7
Appalachian Total	3,817	3,770	3,584	192,987	177,022	9.0	199,292	178,725	11.5
Interior Total	2,775	2,740	2,790	142,466	141,527	0.7	147,374	142,848	3.2
Western Total	8,924	8,635	8,665	424,915	396,035	7.3	440,160	400,624	9.9
East of Mississippi River	5,845	5,777	5,535	297,781	276,555	7.7	307,519	279,260	10.1
West of Mississippi River	9,671	9,368	9,503	462,587	438,029	5.6	479,307	442,937	8.2
Bituminous and Lignite	15,481	15,109	15,006	758,585	712,949	6.4	784,987	720,536	8.9
Anthracite	35	36	32	1,783	1,635	9.0	1,840	1,661	10.8
U.S. Total	15,516	15,145	15,038	760,368	714,584	6.4	786,826	722,198	8.9
Railroad Cars Loaded	89,997	87,843	87,219	4,358,583	4,034,381	8.0	4,512,040	4,080,743	10.6

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 51

OUTPUT FOR WEEK ENDED - Dec 23, 2017

Dec 28, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Dec 23, 2017 was **76,393** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **192** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended December 23		52 Weeks Ended December 23	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,528	-0.4	120,278	-3.0
Mid-Atlantic	8,337	-3.6	423,992	-2.7
Central Industrial	12,903	-6.8	656,522	-3.1
West Central	6,353	-5.3	325,119	-1.7
Southeast	18,767	-10.4	1,009,891	-2.1
South Central	12,891	-7.1	723,355	0.8
Rocky Mountain	5,594	-2.5	278,422	1.0
Pacific Northwest	3,814	-4.3	159,485	4.7
Pacific Southwest	5,206	0.4	283,694	0.2
Total United States	76,393	-6.2	3,980,758	-1.2

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
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 16	81,207	Dec 17	81,602	-0.5	Dec 16	3,985,831	-0.8
Dec 23	76,393	Dec 24	81,466	-6.2	Dec 23	3,980,758	-1.2
Dec 23	3,907,940	Dec 24	3,953,575	-1.2	YEAR TO DATE, FIRST 51 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Dec 02	184	Dec 03	178	Dec 05	170
Dec 09	202	Dec 10	187	Dec 12	168
Dec 16	203	Dec 17	194	Dec 19	169
Dec 23	192	Dec 24	203	Dec 26	156

* 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		
	23-Dec 2017 GWh Output	24-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016	23-Dec 2017 GWh Output	24-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016	23-Dec 2017 GWh Output	24-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,528	2,538	-0.4%	117,918	121,610	-3.0%	120,278	123,943	-3.0%
Mid-Atlantic	8,337	8,648	-3.6%	415,901	427,992	-2.8%	423,992	435,683	-2.7%
Central Industrial	12,903	13,842	-6.8%	644,377	664,694	-3.1%	656,522	677,232	-3.1%
West Central	6,353	6,709	-5.3%	319,081	324,722	-1.7%	325,119	330,868	-1.7%
Southeast	18,767	20,946	-10.4%	991,844	1,013,913	-2.2%	1,009,891	1,031,828	-2.1%
South Central	12,891	13,878	-7.1%	711,505	704,486	1.0%	723,355	717,294	0.8%
Rocky Mountain	5,594	5,738	-2.5%	272,821	269,706	1.2%	278,422	275,631	1.0%
Pacific Northwest	3,814	3,983	-4.2%	155,765	148,500	4.9%	159,485	152,369	4.7%
Pacific Southwest	5,206	5,184	0.4%	278,728	277,952	0.3%	283,694	283,080	0.2%
Total United States ^{1/}	<u>76,393</u>	<u>81,466</u>	-6.2%	<u>3,907,940</u>	<u>3,953,575</u>	-1.2%	3,980,758	4,027,928	-1.2%
Coal Regions Only ^{2/}	64,845	69,761	-7.0%	3,355,529	3,405,513	-1.5%	3,417,301	3,468,536	-1.5%

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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December 26, 2017

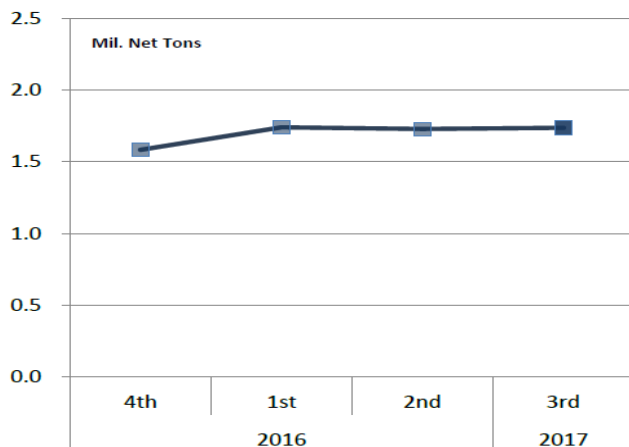
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 23</u>	<u>Dec 16</u>	
<u>Week Ending</u>				North East	207	213
				Great Lakes	639	628
December 23, 2017	1,718	1.2	73.7	Midwest	162	167
December 23, 2016	1,607	6.9	67.8	Southern	640	623
December 16, 2017	1,698	1.6	72.8	Western	<u>70</u>	<u>67</u>
				Total	1,718	1,698
<u>Year-to-Date +</u>						
December 23, 2017	88,469	4.4	74.4			
December 23, 2016	84,772	-	70.5			

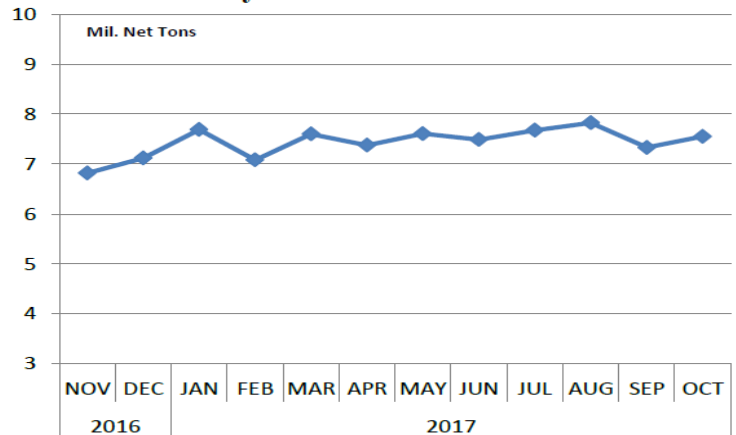
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 51, 2017 – Ended December 23, 2017

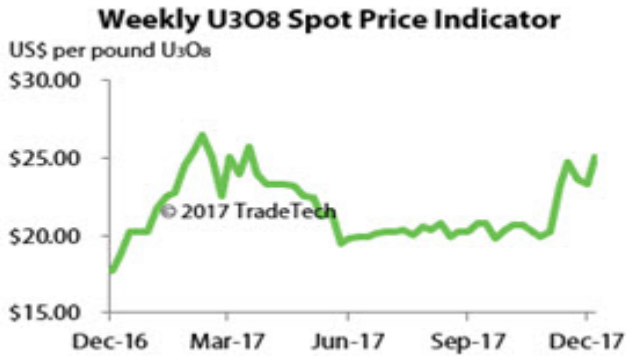
	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	270,356	10.8%	13,283,446	260,460	3.1%
Chemicals	33,165	5.8%	1,584,062	31,060	1.4%
Coal	89,997	6.4%	4,358,583	85,462	8.2%
Farm Products excl. Grain, and Food	16,545	1.6%	816,339	16,007	-1.7%
Forest Products	10,492	4.9%	512,318	10,045	-0.2%
Grain	22,425	-0.8%	1,135,233	22,259	-2.4%
Metallic Ores and Metals	25,589	27.9%	1,155,863	22,664	6.4%
Motor Vehicles and Parts	17,298	4.9%	855,662	16,778	-6.4%
Nonmetallic Minerals	34,424	40.6%	1,884,036	36,942	9.2%
Petroleum and Petroleum Products	11,376	14.1%	490,284	9,613	-12.2%
Other	9,045	10.8%	491,066	9,629	-1.6%
Total Intermodal Units	281,210	11.3%	13,809,482	270,774	4.0%
Total Traffic	551,566	11.0%	27,092,928	531,234	3.6%

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.

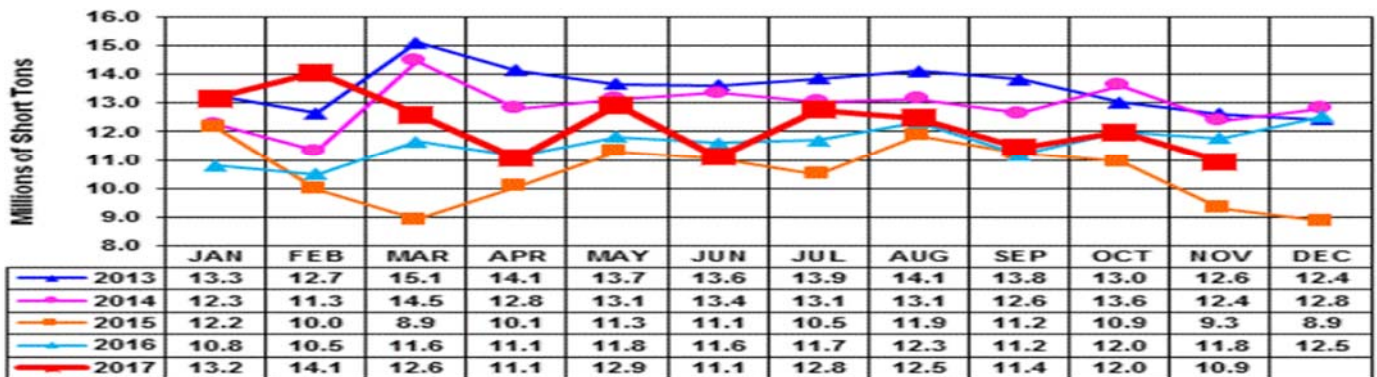
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's Uranium Price Indicators



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

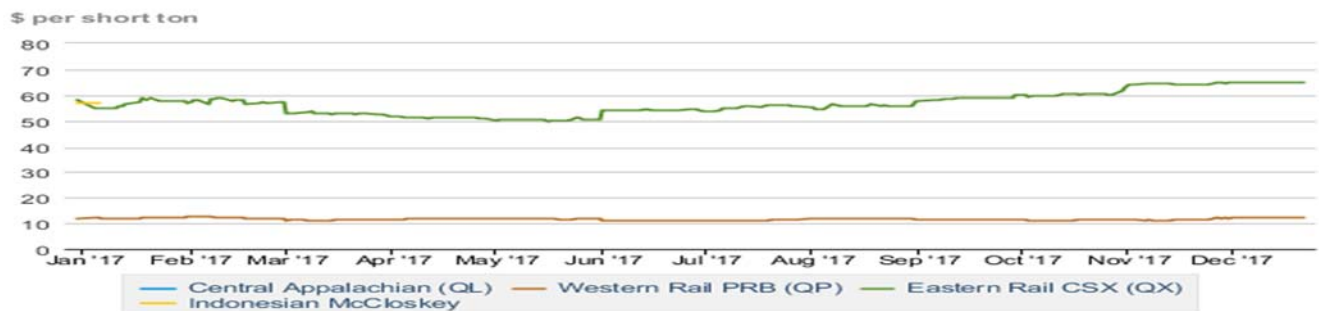
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

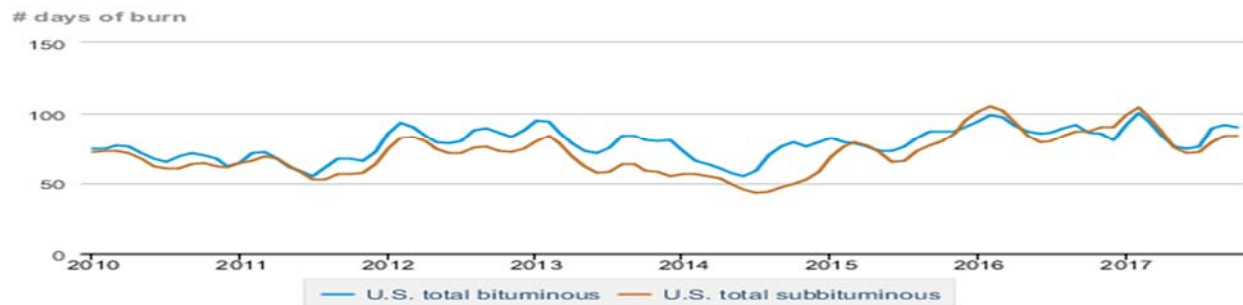
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	11/24/17	12/01/17	12/08/17	12/15/17	12/22/17	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 - October 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Dec 14)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	243	17	5	0	0	0
Middle Atlantic	248	33	25	0	0	0
E N Central	279	33	2	0	0	0
W N Central	245	-27	-78	0	0	0
South Atlantic	187	36	24	2	-6	-7
E S Central	198	42	23	0	-1	0
W S Central	130	15	5	0	-2	-1
Mountain	188	-34	-37	0	0	0
Pacific	68	-50	-40	0	0	0
United States	199	7	-8	0	-2	-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	October 2017		October 2016		% Change of Stocks	September 2017		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	4,714	90	5,726	84	-17.7%	4,439	94	6.2%
	Subbituminous	146	99	136	69	7.2%	126	111	16.2%
South	Bituminous	27,570	92	27,982	83	-1.5%	27,454	96	0.4%
	Subbituminous	5,359	64	6,039	73	-11.3%	5,195	64	3.2%
Midwest	Bituminous	13,270	83	16,907	94	-21.5%	12,989	85	2.2%
	Subbituminous	37,476	84	43,096	84	-13.0%	37,284	85	0.5%
West	Bituminous	5,312	91	5,859	84	-9.3%	5,356	90	-0.8%
	Subbituminous	26,295	89	31,312	95	-16.0%	25,666	87	2.5%
U.S. Total	Bituminous	50,867	90	56,473	86	-9.9%	50,238	92	1.3%
	Subbituminous	69,276	84	80,583	87	-14.0%	68,271	84	1.5%

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*

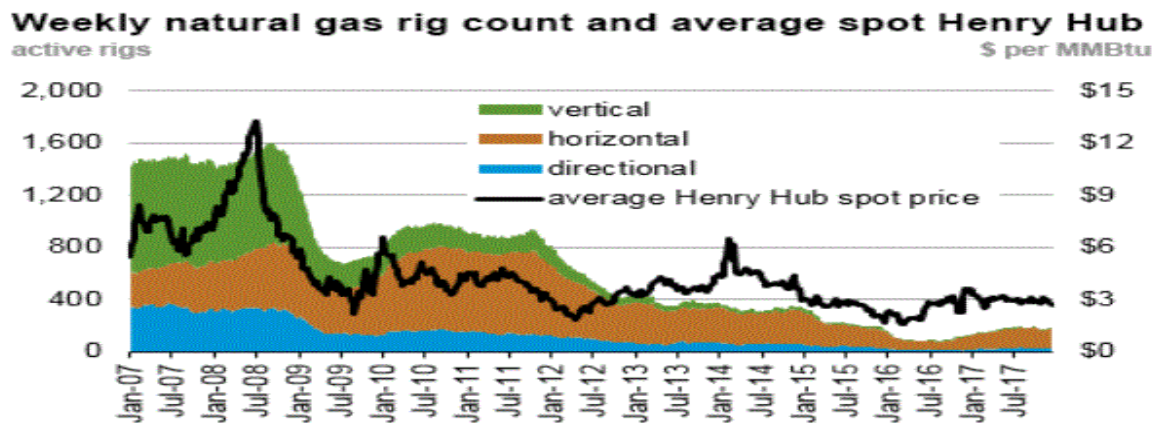
EIA Working Natural Gas Underground Storage

Working gas in underground storage			
Region	Stocks billion cubic feet (Bcf)		
	2017-12-15	2017-12-08	change
East	811	855	-44
Midwest	980	1,033	-53
Mountain	204	213	-9
Pacific	294	305	-11
South Central	1,155	1,220	-65
Total	3,444	3,626	-182

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		
	December 2017	January 2018	change	December 2017	January 2018	change
Anadarko	382	387	5	2,573	2,590	17
Appalachia	135	136	1	14,411	14,488	77
Bakken	1,366	1,383	17	1,661	1,681	20
Eagle Ford	1,136	1,185	49	4,506	4,732	226
Haynesville	33	33	-	7,998	8,023	25
Niobrara	1,101	1,113	12	4,275	4,290	15
Permian	610	614	4	1,067	1,082	15
Total	621	633	12	3,522	3,488	(34)

Source: Energy Information Administration, *Drilling Productivity Report*