

National Mining Association

Weekly Statistical Summary

January 5, 2018 Edition
(Data for Week Ending December 30, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 52
Dated 01/05/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/30/17	12/24/16	% Chng	12/30/17	12/30/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	10,482	14,572	-28.1%	770,850	726,819	6.1%
52 Weeks Ended	782,736	724,863	8.0%			
AAR Coal Rail Cars Loaded:	62,348	84,518	-26.2%	4,420,931	4,105,344	7.7%
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		
	12/30/17	12/31/16	% Chng	12/30/17	12/31/16	% Chng
EI Electric Total Output (Mil. Kwh)	82,002	72,818	12.6%	3,989,942	4,026,393	-0.9%
EI Coal Region Output (Mil. Kwh)	70,666	61,767	14.4%	3,426,195	3,467,280	-1.2%
AISI Raw Steel Output (000 Tons)	1,637	1,607	1.9%	90,106	86,379	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)	
	12/29/17	12/22/17	% 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



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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		
	12/30/2017 (week 52)	12/23/2017 (week 51)	12/24/2016 (week 52)	12/30/2017	12/30/2016	% Change	12/30/2017	12/24/2016	% Change
Alabama	181	243	190	12,562	9,623	30.5	12,717	9,583	32.7
Alaska	11	16	15	874	930	-6.1	886	932	-4.9
Arizona	77	116	101	5,883	5,412	8.7	5,966	5,396	10.6
Arkansas	1	1	1	36	49	-27.9	36	49	-26.5
Colorado	230	328	294	15,529	12,603	23.2	15,768	12,527	25.9
Illinois	644	899	808	47,839	43,490	10.0	48,499	43,401	11.7
Indiana	400	596	534	31,113	28,710	8.4	31,549	28,625	10.2
Kansas	27	-100.0	.	29	.
Kentucky Total	565	830	818	42,827	42,794	0.1	43,494	42,737	1.8
Eastern (KY)	241	350	324	18,345	16,738	9.6	18,609	16,741	11.2
Western (KY)	324	479	494	24,482	26,057	-6.0	24,885	25,996	-4.3
Louisiana	36	51	59	2,336	2,791	-16.3	2,384	2,781	-14.3
Maryland	25	37	36	1,773	1,612	10.0	1,802	1,604	12.3
Mississippi	36	54	55	2,763	2,864	-3.5	2,808	2,850	-1.5
Missouri	3	5	4	252	233	8.1	256	231	10.8
Montana	470	698	688	33,794	32,263	4.7	34,355	32,161	6.8
New Mexico	191	272	270	13,610	13,312	2.2	13,831	13,320	3.8
North Dakota	369	547	545	28,071	28,063	s	28,516	27,957	2.0
Ohio	104	161	179	8,833	12,545	-29.6	8,979	12,567	-28.6
Oklahoma	7	10	12	539	653	-17.5	548	652	-16.0
Pennsylvania Total	676	986	939	49,495	45,786	8.1	50,262	45,565	10.3
Anthracite (PA)	26	35	31	1,809	1,661	8.9	1,834	1,661	10.4
Bituminous (PA)	651	951	908	47,687	44,124	8.1	48,428	43,904	10.3
Tennessee	6	9	10	474	643	-26.2	483	644	-25.0
Texas	456	680	737	35,012	38,922	-10.0	35,613	38,782	-8.2
Utah	177	258	269	13,442	13,941	-3.6	13,661	13,889	-1.6
Virginia	179	266	250	13,831	13,333	3.7	14,035	13,289	5.6
West Virginia Total	1,220	1,765	1,544	90,307	79,659	13.4	91,566	79,432	15.3
Northern (WV)	614	917	842	45,948	43,435	5.8	46,634	43,323	7.6
Southern (WV)	607	848	702	44,360	36,224	22.5	44,932	36,109	24.4
Wyoming	4,418	6,690	6,214	319,654	296,559	7.8	324,723	295,859	9.8
Appalachian Total	2,633	3,817	3,473	195,620	179,938	8.7	198,453	179,426	10.6
Interior Total	1,906	2,775	2,703	144,372	143,797	0.4	146,577	143,396	2.2
Western Total	5,943	8,924	8,396	430,857	403,084	6.9	437,706	402,041	8.9
East of Mississippi River	4,038	5,845	5,363	301,818	281,058	7.4	306,193	280,298	9.2
West of Mississippi River	6,444	9,671	9,209	469,032	445,761	5.2	476,543	444,565	7.2
Bituminous and Lignite	10,457	15,481	14,541	769,041	725,158	6.1	780,902	723,202	8.0
Anthracite	26	35	31	1,809	1,661	8.9	1,834	1,661	10.4
U.S. Total	10,482	15,516	14,572	770,850	726,819	6.1	782,736	724,863	8.0
Railroad Cars Loaded	62,348	89,997	84,518	4,420,931	4,105,344	7.7	4,489,870	4,094,911	9.6

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 52

OUTPUT FOR WEEK ENDED - Dec 30, 2017

Jan 04, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Dec 30, 2017 was 82,002 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 218 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended December 30		52 Weeks Ended December 30	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,668	13.0	120,584	-2.7
Mid-Atlantic	9,070	12.1	424,973	-2.5
Central Industrial	13,897	14.4	658,276	-2.7
West Central	6,865	13.8	325,952	-1.5
Southeast	21,204	17.5	1,013,044	-1.8
South Central	14,136	19.3	725,643	1.3
Rocky Mountain	5,494	-2.0	278,313	1.1
Pacific Northwest	3,772	1.4	159,537	4.8
Pacific Southwest	4,896	-1.5	283,621	0.2
Total United States	82,002	12.6	3,989,942	-0.9

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
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 30	82,002	Dec 31	72,818	12.6	Dec 30	3,989,942	-0.9
Dec 30	3,989,942	Dec 31	4,026,393	-0.9	YEAR TO DATE, FIRST 52 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
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
Dec 30	218	Dec 31	181	Jan 02	178

* 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		
	30-Dec 2017 GWh Output	31-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016	30-Dec 2017 GWh Output	31-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016	30-Dec 2017 GWh Output	31-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,668	2,362	13.0%	120,586	123,972	-2.7%	120,584	123,972	-2.7%
Mid-Atlantic	9,070	8,090	12.1%	424,971	436,082	-2.5%	424,973	436,080	-2.5%
Central Industrial	13,897	12,143	14.4%	658,274	676,837	-2.7%	658,276	676,832	-2.7%
West Central	6,865	6,032	13.8%	325,946	330,754	-1.5%	325,952	330,753	-1.5%
Southeast	21,204	18,050	17.5%	1,013,048	1,031,963	-1.8%	1,013,044	1,031,965	-1.8%
South Central	14,136	11,848	19.3%	725,641	716,334	1.3%	725,643	716,334	1.3%
Rocky Mountain	5,494	5,604	-2.0%	278,315	275,310	1.1%	278,313	275,312	1.1%
Pacific Northwest	3,772	3,720	1.4%	159,537	152,220	4.8%	159,537	152,225	4.8%
Pacific Southwest	4,896	4,969	-1.5%	283,624	282,921	0.2%	283,621	282,919	0.2%
Total United States ^{1/}	<u>82,002</u>	<u>72,818</u>	12.6%	<u>3,989,942</u>	<u>4,026,393</u>	-0.9%	3,989,943	4,026,392	-0.9%
Coal Regions Only ^{2/}	70,666	61,767	14.4%	3,426,195	3,467,280	-1.2%	3,426,201	3,467,276	-1.2%

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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January 2, 2018

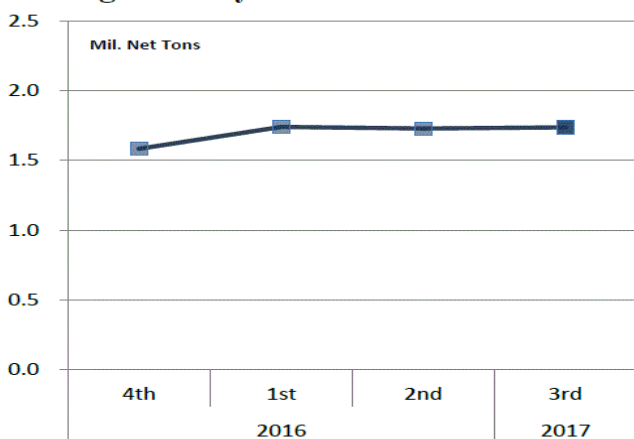
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Dec 30</u>	<u>Week Ending Dec 23</u>	
<u>Week Ending</u>				North East	213	207
				Great Lakes	594	639
December 30, 2017	1,637	-4.7	70.2	Midwest	158	162
December 30, 2016	1,607	1.9	67.8	Southern	604	640
December 23, 2017	1,718	1.2	73.7	Western	68	70
				Total	1,637	1,718
<u>Year-to-Date +</u>						
December 30, 2017	90,106	4.3	74.3			
December 30, 2016	86,379	-	70.5			

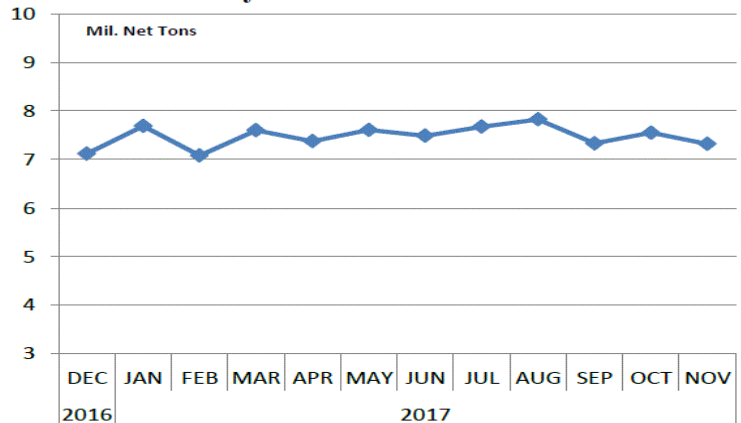
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

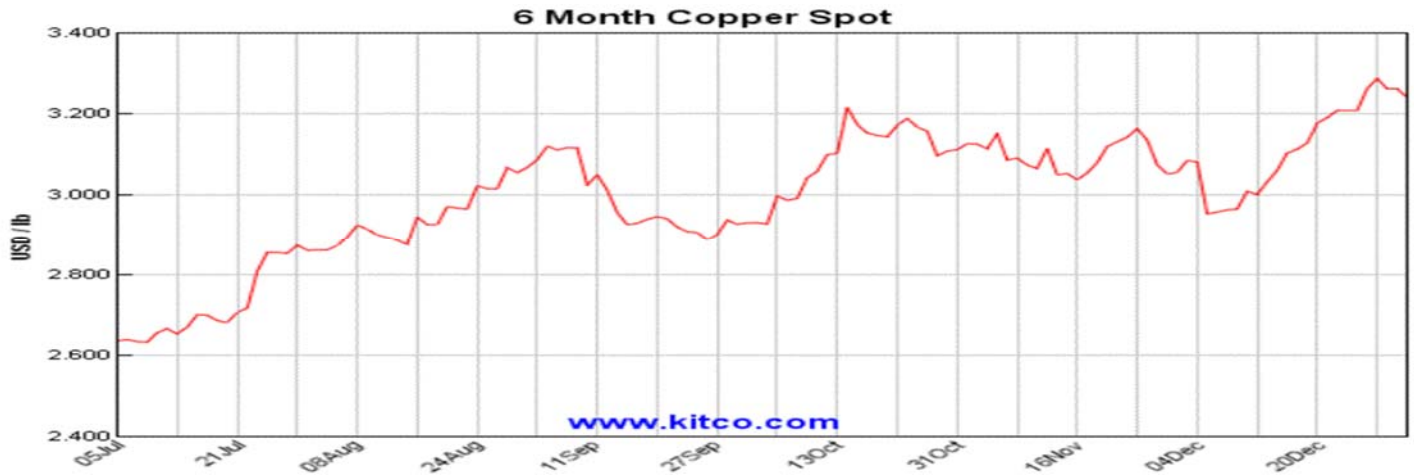
Average Weekly Raw Steel Production



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 52, 2017 – Ended December 30, 2017

	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	194,680	-9.8%	13,478,126	259,195	2.9%
Chemicals	27,944	-8.1%	1,612,006	31,000	1.2%
Coal	62,348	-9.5%	4,420,931	85,018	7.9%
Farm Products excl. Grain, and Food	13,500	-5.3%	829,839	15,958	-1.8%
Forest Products	9,409	-8.7%	521,727	10,033	-0.4%
Grain	15,713	-19.6%	1,150,946	22,134	-2.7%
Metallic Ores and Metals	19,585	-6.0%	1,175,448	22,605	6.2%
Motor Vehicles and Parts	9,364	-17.3%	865,026	16,635	-6.5%
Nonmetallic Minerals	21,712	-5.8%	1,905,748	36,649	9.0%
Petroleum and Petroleum Products	8,142	-15.5%	498,426	9,585	-12.2%
Other	6,963	-7.4%	498,029	9,577	-1.7%
Total Intermodal Units	202,352	-3.7%	14,011,834	269,458	3.9%
Total Traffic	397,032	-6.8%	27,489,960	528,653	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.

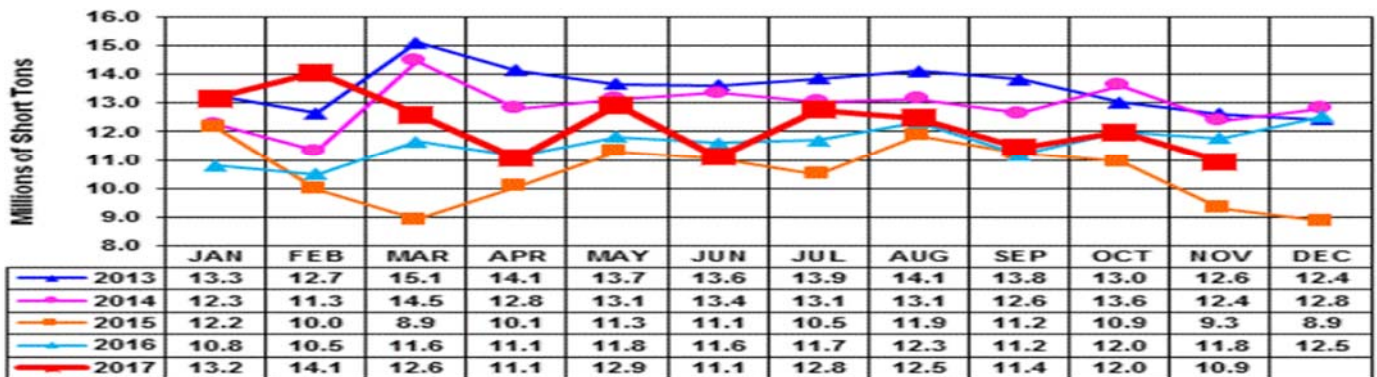
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's Uranium Price Indicators



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

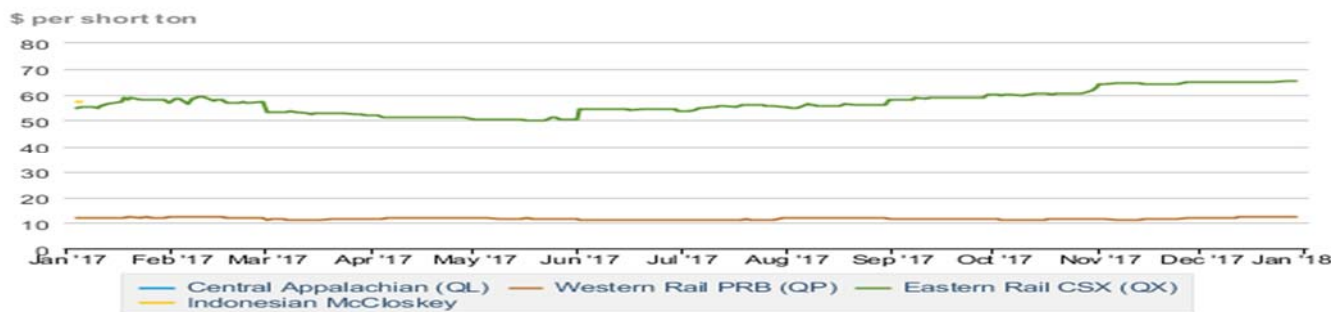
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

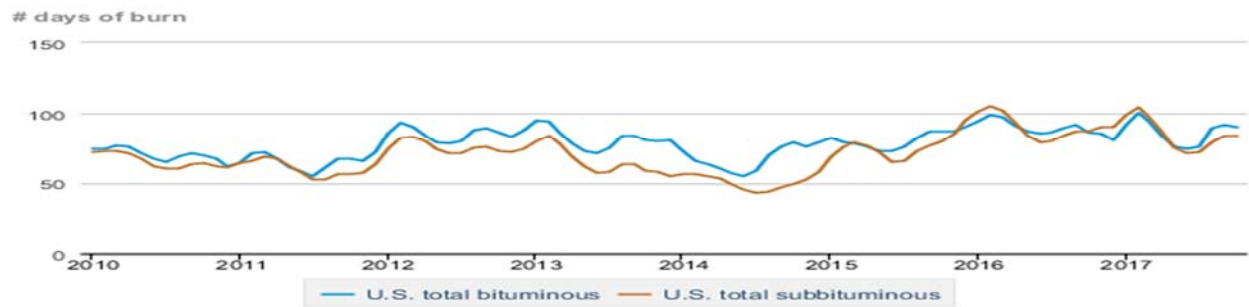
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	12/01/17	12/08/17	12/15/17	12/22/17	12/29/17	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. Latest data available.

USGS Production of Selected Mineral Commodities	2017 Year to Date - 3rd Quarter	2016 Year to Date - 3rd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	730.0	723.0	1%
Cement (Mil. Mt.)	63.2	62.2	2%
Copper (000 Mt.)	956.0	1,080.0	-11%
Gold (Mt.)	185.0	163.0	13%
Gypsum (Mil. Mt.)	12.4	12.4	0%
Iron Ore (Mil. Mt.)	34.5	29.3	18%
Lead (000 Mt.)	227.0	260.0	-13%
Molybdenum (000 Mt.)	29.8	25.7	16%
Phosphate rock (Mil. Mt.)	20.7	20.6	0%
Sand & gravel, construction (Mil. Mt.)	673.0	680.0	-1%
Silver (Mt.)	771.0	856.0	-10%
Soda ash (Mil. Mt.)	8.8	8.8	0%
Stone, crushed (Mil. Mt.)	1,010.0	1,030.0	-2%
Zinc (000 Mt.)	534.0	596.0	-10%

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*. Data latest available.

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*

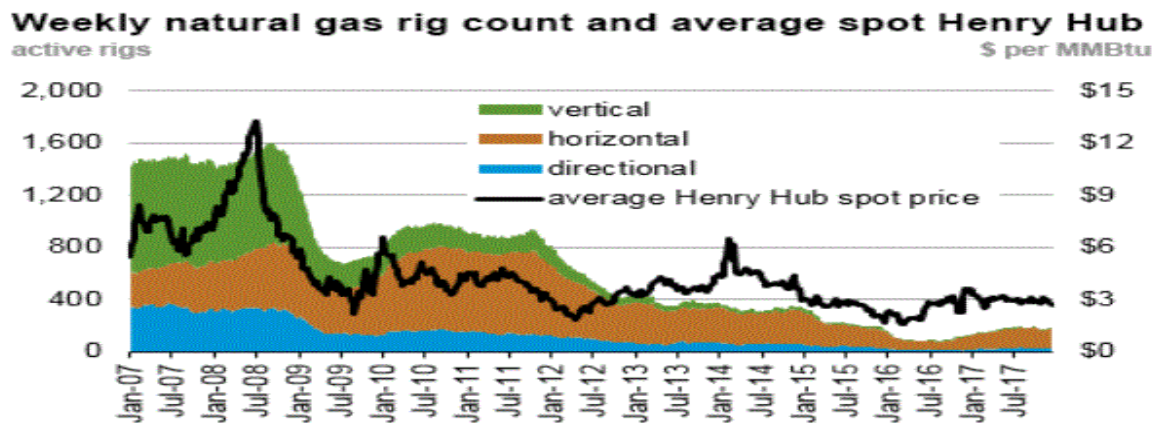
EIA Working Natural Gas Underground Storage

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*. 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		
	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*