

National Mining Association

Weekly Statistical Summary

January 20, 2017 Edition
(Data for Week Ending January 14, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 2
Dated 01/20/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	01/14/17	01/09/16	% Chng	01/14/17	01/14/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,716	13,865	13.4%	29,492	27,011	9.2%
52 Weeks Ended	751,150	887,631	-15.4%			
AAR Coal Rail Cars Loaded:	85,133	75,112	13.3%	159,757	146,791	8.8%
Coal Production	Dec 16/15		% Chng	Jan - Dec 16/15		% Chng
Month Ended - Dec.	66,123	63,001	5.0%	738,661	896,977	-17.6%
DOC Coal Trade (000 Tons)						
Exports:	November 16/15		% Chng	Jan - Nov 16/15		% Chng
Metallurgical	3,844	2,859	34.5%	36,292	42,870	-15.3%
Steam *	2,670	1,806	47.8%	15,636	25,887	-39.6%
Lignite	6	6	0.0%	64	58	10.3%
Anthracite	38	40	-5.0%	397	332	19.6%
Total	6,558	4,711	39.2%	52,389	69,147	-24.2%
Imports:	706	882	-20.0%	9,197	10,349	-11.1%
	Week Ended			Cumulative Week 1 to		
	01/14/17	01/16/16	% Chng	01/14/17	01/16/16	% Chng
EEl Electric Total Output (Mil. Kwh)	80,521	79,650	1.1%	162,435	158,869	2.2%
EEl Coal Region Output (Mil. Kwh)	68,551	68,519	0.0%	138,513	136,175	1.7%
AISI Raw Steel Output (000 Tons)	1,716	1,607	6.8%	3,400	3,214	5.8%

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)	
	01/13/17	01/06/17	% Chng	Wed.	01/11/17
Central App, 12,500 Btu, 1.2 SO ₂	\$46.50	\$46.50	0.0%	Henry Hub	3.28
Northern App, 13,000 Btu, < 3.0 SO ₂	44.30	44.30	0.0%	New York	3.03
Illinois Basin, 11,800, 5.0 SO ₂	35.00	35.00	0.0%	Chicago	3.25
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.05	11.05	0.0%	Cal.Comp.Avg.	3.36
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		
	1/14/2017 (week 2)	1/7/2017 (week 1)	1/9/2016 (week 2)	1/14/2017	1/14/2016	% Change	1/14/2017	1/9/2016	% Change
Alabama	181	159	196	340	382	-10.9	8,934	12,988	-31.2
Alaska	28	22	25	50	48	3.5	1,089	1,179	-7.6
Arizona	115	100	107	215	208	3.3	5,523	6,744	-18.1
Arkansas	1	1	1	2	2	5.7	44	90	-51.1
Colorado	195	188	199	382	388	-1.3	11,552	18,547	-37.7
Illinois	1,010	860	907	1,869	1,767	5.8	45,913	55,494	-17.3
Indiana	653	576	579	1,229	1,128	9.0	29,883	33,969	-12.0
Kansas	3	2	2	5	4	13.2	71	196	-63.8
Kentucky Total	910	777	909	1,687	1,771	-4.8	44,369	60,699	-26.9
Eastern (KY)	336	286	367	622	715	-13.1	17,459	27,702	-37.0
Western (KY)	574	491	542	1,065	1,056	0.9	26,910	32,998	-18.4
Louisiana	59	54	53	113	102	10.4	2,902	3,420	-15.1
Maryland	31	26	29	56	56	-0.2	1,509	1,896	-20.4
Mississippi	67	55	62	122	120	1.7	2,968	3,134	-5.3
Missouri	5	5	3	10	6	55.5	214	138	55.1
Montana	633	533	595	1,166	1,160	0.6	32,316	41,398	-21.9
New Mexico	279	282	344	562	670	-16.2	14,870	19,677	-24.4
North Dakota	713	629	578	1,342	1,125	19.3	29,988	28,699	4.5
Ohio	330	278	312	608	608	s	14,400	16,879	-14.7
Oklahoma	15	14	13	29	26	10.6	678	774	-12.4
Pennsylvania Total	990	912	828	1,902	1,613	17.9	46,050	50,393	-8.6
Anthracite (PA)	39	34	35	73	67	8.7	1,817	2,131	-14.7
Bituminous (PA)	951	878	793	1,829	1,546	18.3	44,233	48,261	-8.3
Tennessee	19	15	19	34	36	-5.8	796	898	-11.4
Texas	1,085	931	795	2,016	1,548	30.2	42,884	36,020	19.1
Utah	340	308	269	649	525	23.5	14,395	14,355	0.3
Virginia	318	287	256	605	498	21.4	13,921	14,218	-2.1
West Virginia Total	1,802	1,569	1,543	3,371	3,007	12.1	82,677	94,532	-12.5
Northern (WV)	1,031	912	824	1,943	1,606	21.0	45,919	47,332	-3.0
Southern (WV)	771	657	719	1,428	1,401	1.9	36,757	47,200	-22.1
Wyoming	5,933	5,194	5,241	11,128	10,211	9.0	303,203	371,296	-18.3
Appalachian Total	4,007	3,530	3,550	7,538	6,916	9.0	185,746	219,505	-15.4
Interior Total	3,471	2,989	2,957	6,460	5,760	12.1	152,467	166,234	-8.3
Western Total	8,237	7,257	7,358	15,494	14,335	8.1	412,937	501,893	-17.7
East of Mississippi River	6,311	5,512	5,639	11,823	10,987	7.6	291,420	345,099	-15.6
West of Mississippi River	9,404	8,264	8,225	17,668	16,024	10.3	459,730	542,532	-15.3
Bituminous and Lignite	15,676	13,742	13,830	29,418	26,944	9.2	749,333	885,499	-15.4
Anthracite	39	34	35	73	67	8.7	1,817	2,131	-14.7
U.S. Total	15,716	13,776	13,865	29,492	27,011	9.2	751,150	887,631	-15.4
Railroad Cars Loaded	85,133	74,624	75,112	159,757	146,791	8.8	4,181,494	5,095,081	-17.9

Source: Energy Information Administration

Prepared by EEI's Business Information Group



WEEKLY ELECTRIC OUTPUT

Volume 85 No. 2

OUTPUT FOR WEEK ENDED - Jan 14, 2017

Jan 18, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Jan 14, 2017 was 80,521 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 177 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended January 14		52 Weeks Ended January 14	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,515	1.1	123,918	-1.9
Mid-Atlantic	8,866	3.7	436,285	-1.2
Central Industrial	14,096	-0.7	676,936	0.9
West Central	6,560	-3.1	330,816	0.6
Southeast	20,682	1.8	1,033,004	1.6
South Central	12,829	-1.5	717,254	1.7
Rocky Mountain	5,518	-2.8	275,318	-0.6
Pacific Northwest	4,311	19.1	153,471	0.6
Pacific Southwest	5,144	2.4	282,957	-0.8
Total United States	80,521	1.1	4,029,959	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)
Dec 24	81,466	Dec 26	70,180	16.1	Dec 24	4,027,928	0.2
Dec 31	72,818	Jan 02	74,353	-2.1	Dec 31	4,026,393	0.2
Jan 07	81,914	Jan 09	79,219	3.4	Jan 07	4,029,088	0.5
Jan 14	80,521	Jan 16	79,650	1.1	Jan 14	4,029,959	0.6
Jan 14	162,435	Jan 16	158,869	2.2	YEAR TO DATE, FIRST 2 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Dec 24	203	Dec 26	156	Dec 27	191
Dec 31	181	Jan 02	178	Jan 03	179
Jan 07	188	Jan 09	181	Jan 10	197
Jan 14	177	Jan 16	182	Jan 17	188

* 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		
	14-Jan 2017 GWh Output	16-Jan 2016 GWh Output	% Increase Over Corresponding Week of 2016	14-Jan 2017 GWh Output	16-Jan 2016 GWh Output	% Increase Over Corresponding Week of 2016	14-Jan 2017 GWh Output	16-Jan 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,515	2,487	1.1%	4,962	5,017	-1.1%	123,918	126,294	-1.9%
Mid-Atlantic	8,866	8,552	3.7%	17,383	17,178	1.2%	436,285	441,787	-1.2%
Central Industrial	14,096	14,193	-0.7%	27,995	27,891	0.4%	676,936	671,137	0.9%
West Central	6,560	6,767	-3.1%	13,246	13,184	0.5%	330,816	328,743	0.6%
Southeast	20,682	20,313	1.8%	42,020	40,980	2.5%	1,033,004	1,016,923	1.6%
South Central	12,829	13,018	-1.5%	26,650	25,730	3.6%	717,254	705,212	1.7%
Rocky Mountain	5,518	5,676	-2.8%	11,219	11,212	0.1%	275,318	277,088	-0.6%
Pacific Northwest	4,311	3,620	19.1%	8,748	7,503	16.6%	153,471	152,565	0.6%
Pacific Southwest	5,144	5,024	2.4%	10,212	10,174	0.4%	282,957	285,247	-0.8%
Total United States ^{1/}	<u>80,521</u>	<u>79,650</u>	1.1%	<u>162,435</u>	<u>158,869</u>	2.2%	<u>4,029,959</u>	<u>4,004,996</u>	0.6%
Coal Regions Only ^{2/}	68,551	68,519	0.0%	138,513	136,175	1.7%	3,469,613	3,440,890	0.8%

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 17, 2017

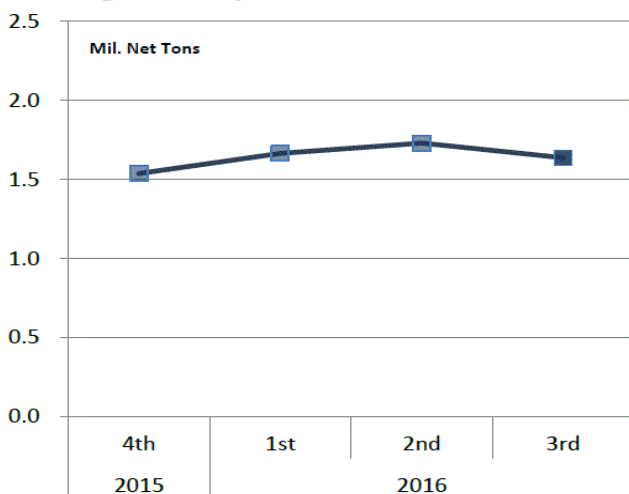
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Jan 14</u>	<u>Jan. 7</u>	
<u>Week Ending</u>				North East	216	214
				Great Lakes	667	662
January 14, 2017	1,716	1.9	72.3	Midwest	165	164
January 14, 2016	1,607	6.8	68.7	Southern	600	578
January 7, 2017	1,684	5.8	71.0	Western	68	66
				Total	1,716	1,684
<u>Year-to-Date +</u>						
January 14, 2017	3,400	5.8	70.8			
January 14, 2016	3,214	-	68.7			

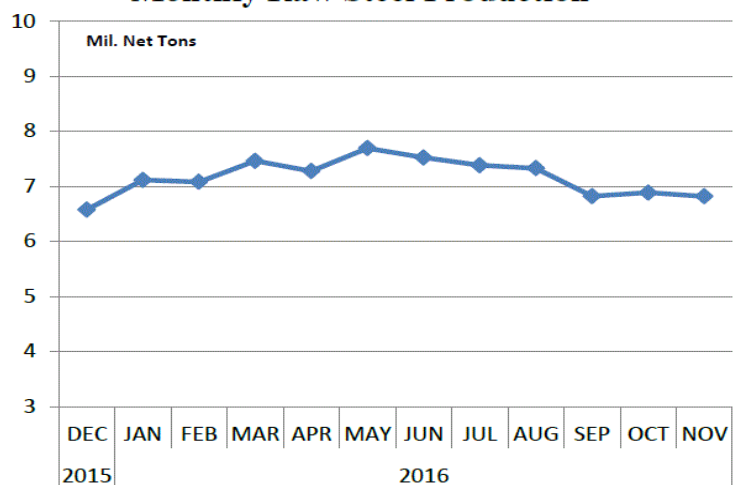
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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: Capability for the fourth quarter 2016 is approximately 31.2 million net tons vs. 31.4 million net tons for the same period last year, and 30.7 million tons for the third quarter of 2016.

Average Weekly Raw Steel Production



Monthly Raw Steel Production



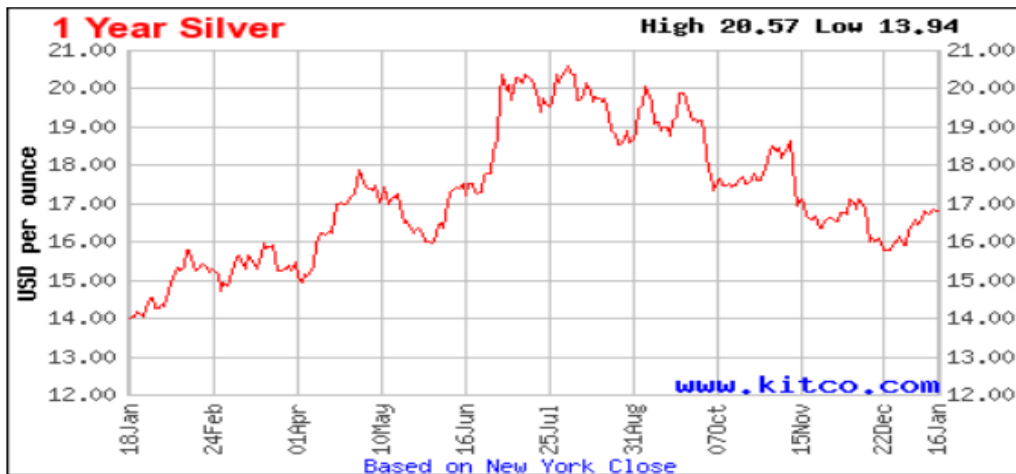
*Steel in the first solid state after melting suitable for further processing or sale, including ingots, steel for castings and strand or pressure cast blooms, slabs or other product forms. ** Based on tonnage capability to produce raw steel for a sustained full order book.



Source: Kitco website - www.kitco.com/connecting.html

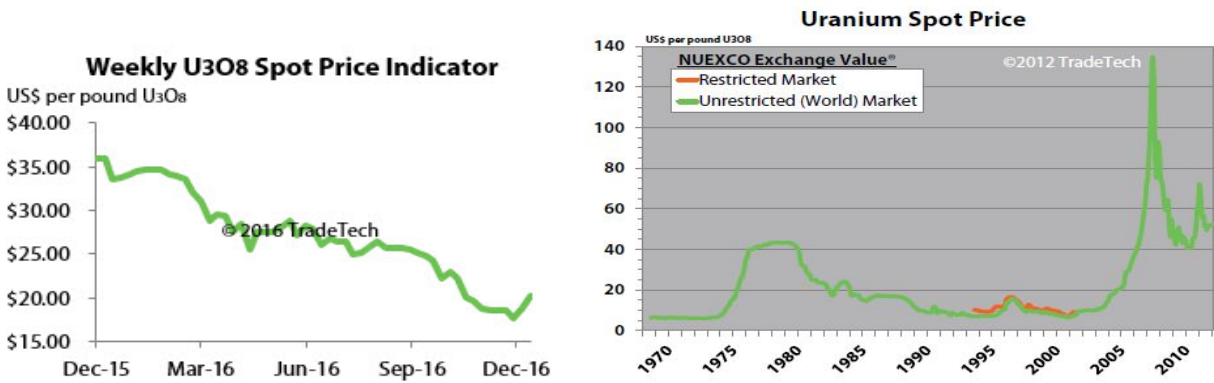


Source: Kitco website - www.kitco.com/connecting.html



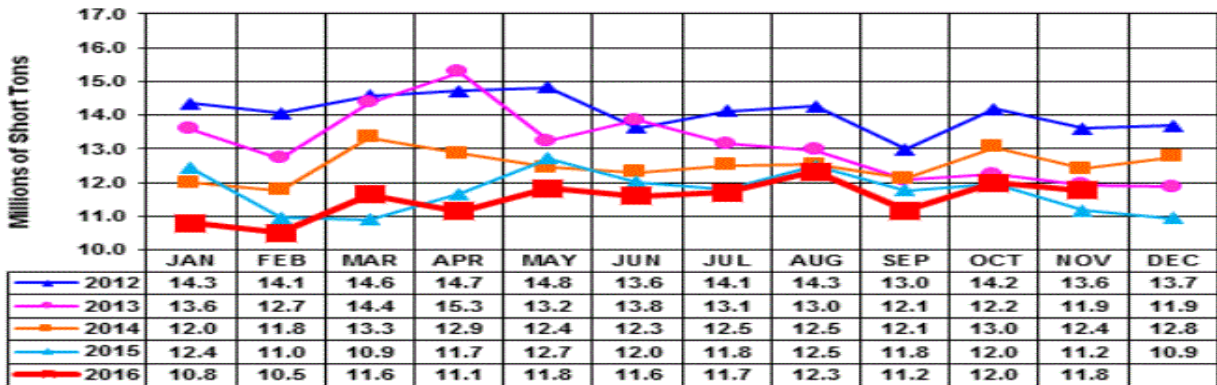
Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



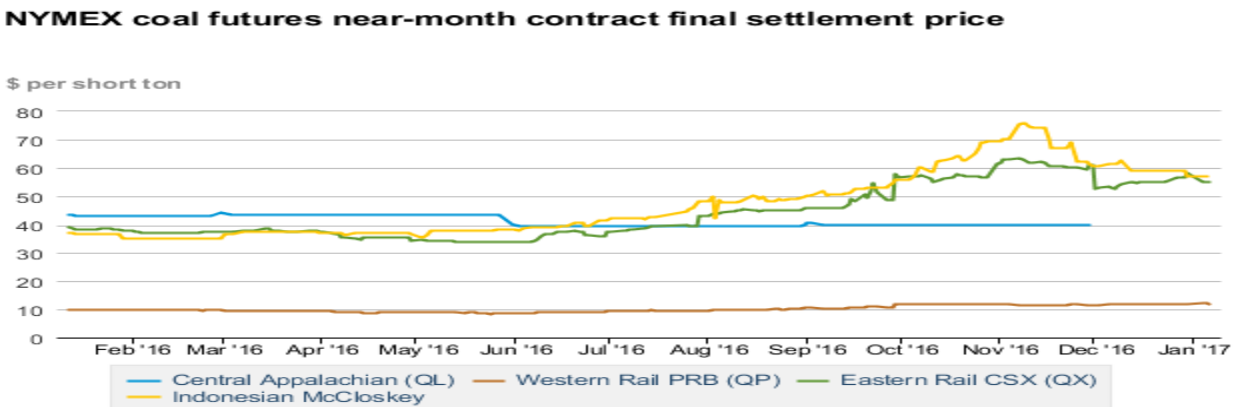
Source: Trade Tech, Uranium Info Website – www.uranium.info

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



Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

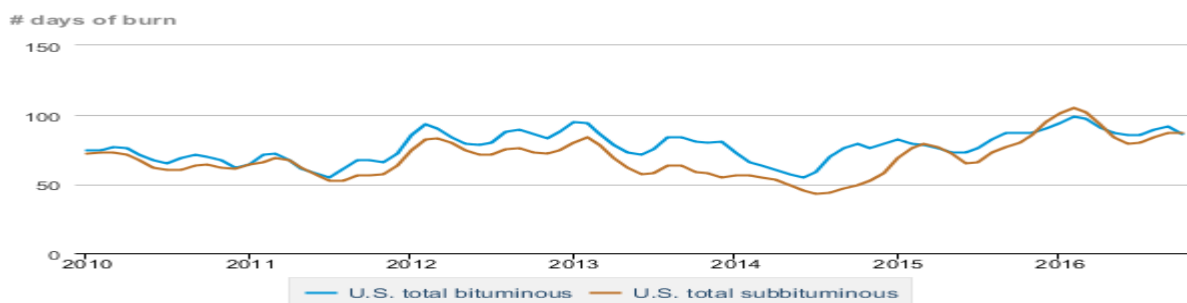
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices *dollars per short ton*

	Week ending					Week ago
	12/16/16	12/23/16	12/30/16	01/06/17	01/13/17	change
Central Appalachia <i>12,500 Btu, 1.2 SO₂</i>	\$48.05	\$48.05	\$48.05	\$46.50	\$46.50	\$0.00
Northern Appalachia <i>13,000 Btu, < 3.0 SO₂</i>	\$45.75	\$45.75	\$45.75	\$44.30	\$44.30	\$0.00
Illinois Basin <i>11,800 Btu, 5.0 SO₂</i>	\$34.50	\$34.50	\$34.50	\$35.00	\$35.00	\$0.00
Powder River Basin <i>8,800 Btu, 0.8 SO₂</i>	\$11.00	\$11.00	\$11.00	\$11.05	\$11.05	\$0.00
Uinta Basin <i>11,700 Btu, 0.8 SO₂</i>	\$40.90	\$40.90	\$40.90	\$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 - October 2016



 Source: U.S. Energy Information Administration

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

Temperature -- heating & cooling degree days (week ending Jan 05)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	220	-47	-19	0	0	0
Middle Atlantic	209	-45	-17	0	0	0
E N Central	251	-38	-10	0	0	0
W N Central	294	-19	8	0	0	0
South Atlantic	141	-38	-3	10	3	-2
E S Central	136	-50	-39	0	-1	0
W S Central	101	-38	-53	4	2	4
Mountain	242	6	-24	0	0	0
Pacific	144	18	-4	0	0	0
United States	197	-25	-14	2	0	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	2016 Year to Date - 3rd Quarter	2015 Year to Date - 3rd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	673.0	556.0	21%
Cement (Mil. Mt.)	62.3	61.1	2%
Copper (000 Mt.)	1,080.0	1,040.0	4%
Gold (Mt.)	157.0	157.0	0%
Gypsum (Mil. Mt.)	12.4	11.3	10%
Iron Ore (Mil. Mt.)	29.3	32.8	-11%
Lead (000 Mt.)	260.0	277.0	-6%
Molybdenum (000 Mt.)	26.1	40.1	-35%
Phosphate rock (Mil. Mt.)	20.2	20.8	-3%
Sand & gravel, construction (Mil. Mt.)	732.0	703.0	4%
Silver (Mt.)	853.0	814.0	5%
Soda ash (Mil. Mt.)	8.8	8.7	1%
Stone, crushed (Mil. Mt.)	1,050.0	990.0	6%
Zinc (000 Mt.)	597.0	604.0	-1%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2016 data are preliminary estimates.

Natural gas spot prices (Henry Hub)



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 2016		October 2015		% Change of Stocks	September 2016		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	5,646	84	7,509	95	-24.8%	5,487	95	2.9%
	Subbituminous	136	69	731	174	-81.4%	136	97	0.0%
South	Bituminous	27,996	83	34,879	89	-19.7%	27,339	88	2.4%
	Subbituminous	6,039	73	6,946	76	-13.1%	5,631	68	7.2%
Midwest	Bituminous	16,909	94	16,311	82	3.7%	16,549	99	2.2%
	Subbituminous	43,096	84	41,629	71	3.5%	40,862	84	5.5%
West	Bituminous	5,859	84	5,628	75	4.1%	5,885	84	-0.5%
	Subbituminous	31,312	95	34,905	94	-10.3%	30,830	95	1.6%
U.S. Total	Bituminous	56,410	86	64,328	87	-12.3%	55,260	92	2.1%
	Subbituminous	80,583	87	84,211	80	-4.3%	77,459	87	4.0%

Source: Energy Information Administration, *Electricity Monthly Update*

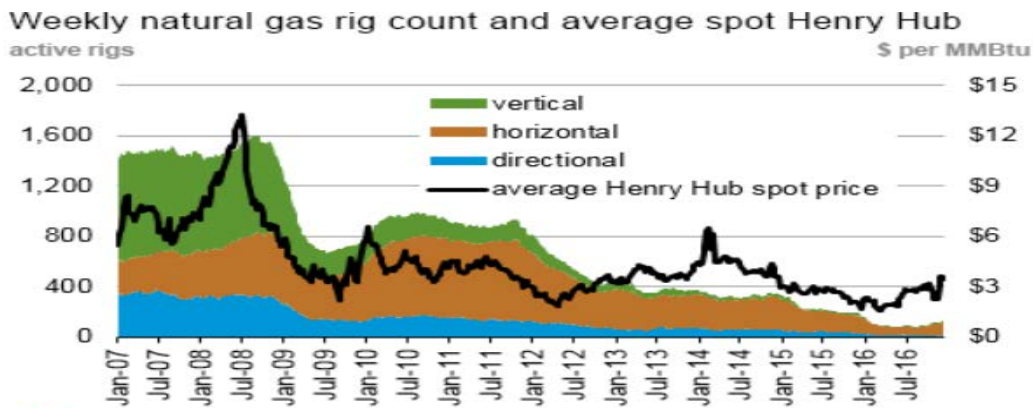
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-01-06	2016-12-30	change
East	698	737	-39
Midwest	865	921	-56
Mountain	197	207	-10
Pacific	263	275	-12
South Central	1,137	1,171	-34
Total	3,160	3,311	-151

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		
	January 2016	February 2017	change	January 2016	February 2017	change
Bakken	968	990	22	1,366	1,415	49
Eagle Ford	1,395	1,417	22	4,033	4,129	96
Haynesville	30	30	-	6,838	7,011	173
Marcellus	69	69	-	12,681	12,867	186
Niobrara	1,251	1,280	29	4,030	4,146	116
Permian	652	660	8	1,087	1,097	10
Utica	118	108	(10)	8,672	8,722	50
Rig-weighted average	682	697	15	3,312	3,400	88

Source: Energy Information Administration, *Drilling Productivity Report*