

National Mining Association

Weekly Statistical Summary

October 20, 2017 Edition
(Data for Week Ending October 14, 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. 41
Dated 10/20/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/14/17	10/08/16	% Chng	10/14/17	10/14/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,924	15,551	-4.0%	620,634	559,950	10.8%
52 Weeks Ended	802,208	729,214	10.0%			
AAR Coal Rail Cars Loaded:	86,292	90,195	-4.3%	3,490,536	3,137,517	11.3%
Coal Production	Sep 17/16		% Chng	Jan - Sep 17/16		% Chng
Month Ended - September	65,796	65,083	1.1%	593,675	528,682	12.3%
DOC Coal Trade (000 Tons)						
Exports:	Aug 17/16			Jan - Aug 17/16		
			% Chng			% Chng
Metallurgical	5,189	3,823	35.7%	35,032	26,463	32.4%
Steam *	3,376	1,158	191.5%	24,635	9,865	149.7%
Lignite	7	6	16.7%	53	46	15.2%
Anthracite	7	21	-66.7%	171	314	-45.5%
Total	8,579	5,008	71.3%	59,891	36,688	63.2%
Imports:	839	943	-11.0%	5,907	6,922	-14.7%
	Week Ended			Cumulative Week 1 to		
	10/14/17	10/15/16	% Chng	10/14/17	10/15/16	% Chng
EI Electric Total Output (Mil. Kwh)	74,900	70,015	7.0%	3,177,695	3,221,859	-1.4%
EI Coal Region Output (Mil. Kwh)	64,734	59,953	8.0%	2,731,556	2,779,607	-1.7%
AISI Raw Steel Output (000 Tons)	1,744	1,655	5.4%	71,289	68,700	3.8%

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)	
	10/13/17	10/06/17	% Chng	Wed.	10/11/17
Central App, 12,500 Btu, 1.2 SO ₂	\$55.50	\$55.50	-1.3%	Henry Hub	2.93
Northern App, 13,000 Btu, < 3.0 SO ₂	45.40	45.40	-1.5%	New York	2.62
Illinois Basin, 11,800, 5.0 SO ₂	32.60	32.60	5.7%	Chicago	2.79
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.75	11.75	1.7%	Cal.Comp.Avg.	2.81
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.10	41.10	1.0%		

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



EIA Estimated Weekly U.S. Coal Production Overview									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	10/14/2017 (week 41)	10/7/2017 (week 40)	10/8/2016 (week 41)	10/14/2017	10/14/2016	% Change	10/14/2017	10/8/2016	% Change
Alabama	248	232	203	9,582	7,447	28.7	11,950	9,350	27.8
Alaska	13	14	17	673	753	-10.7	866	1,014	-14.6
Arizona	112	121	108	4,854	4,253	14.1	6,116	5,372	13.8
Arkansas	1	1	1	33	40	-18.4	43	55	-21.8
Colorado	338	338	313	12,529	9,242	35.6	16,186	11,844	36.7
Illinois	875	845	862	38,468	34,235	12.4	48,538	44,048	10.2
Indiana	564	603	570	25,151	22,598	11.3	31,801	28,511	11.5
Kansas	27	-100.0	.	75	.
Kentucky Total	785	807	873	34,799	33,430	4.1	44,988	44,073	2.1
Eastern (KY)	313	325	346	14,411	13,029	10.6	18,447	17,804	3.6
Western (KY)	472	482	527	20,388	20,402	-0.1	26,541	26,269	1.0
Louisiana	59	64	63	2,284	2,117	7.9	3,018	2,738	10.2
Maryland	38	35	38	1,437	1,201	19.7	1,885	1,545	22.0
Mississippi	60	61	59	2,482	2,235	11.1	3,167	2,732	15.9
Missouri	6	6	5	221	183	20.7	276	193	43.0
Montana	667	626	734	25,391	24,390	4.1	33,958	32,170	5.6
New Mexico	246	248	288	10,449	10,220	2.2	13,814	14,302	-3.4
North Dakota	531	543	582	22,729	21,818	4.2	29,524	27,447	7.6
Ohio	152	151	191	7,480	10,492	-28.7	9,714	13,585	-28.5
Oklahoma	10	9	12	449	519	-13.5	595	668	-10.9
Pennsylvania Total	997	1,005	1,003	40,819	35,027	16.5	52,526	43,884	19.7
Anthracite (PA)	33	31	33	1,437	1,305	10.1	1,825	1,755	4.0
Bituminous (PA)	964	974	969	39,382	33,723	16.8	50,701	42,128	20.3
Tennessee	9	9	11	415	525	-20.9	544	704	-22.7
Texas	689	671	786	29,342	30,485	-3.7	38,523	38,130	1.0
Utah	257	258	287	11,230	10,864	3.4	14,578	13,636	6.9
Virginia	259	272	267	11,630	10,468	11.1	14,747	13,160	12.1
West Virginia Total	1,715	1,734	1,647	73,760	61,983	19.0	92,993	79,476	17.0
Northern (WV)	893	941	898	39,064	33,796	15.6	49,552	43,589	13.7
Southern (WV)	821	792	749	34,696	28,187	23.1	43,441	35,887	21.0
Wyoming	6,295	6,483	6,632	254,429	225,398	12.9	331,861	300,503	10.4
Appalachian Total	3,731	3,764	3,706	159,534	140,172	13.8	202,805	179,508	13.0
Interior Total	2,734	2,741	2,885	118,817	112,841	5.3	152,501	143,418	6.3
Western Total	8,459	8,632	8,960	342,283	306,937	11.5	446,902	406,288	10.0
East of Mississippi River	5,701	5,754	5,724	246,022	219,641	12.0	312,852	281,066	11.3
West of Mississippi River	9,223	9,383	9,827	374,612	340,309	10.1	489,356	448,148	9.2
Bituminous and Lignite	14,891	15,105	15,518	619,197	558,645	10.8	800,383	727,459	10.0
Anthracite	33	31	33	1,437	1,305	10.1	1,825	1,755	4.0
U.S. Total	14,924	15,137	15,551	620,634	559,950	10.8	802,208	729,214	10.0
Railroad Cars Loaded	86,292	87,521	90,195	3,490,536	3,137,517	11.3	4,543,649	4,113,866	10.4

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 41

OUTPUT FOR WEEK ENDED - Oct 14, 2017

Oct 18, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Oct 14, 2017 was 74,900 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 191 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended October 14		52 Weeks Ended October 14	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,200	6.1	120,602	-2.3
Mid-Atlantic	8,043	12.6	424,499	-1.9
Central Industrial	11,515	4.9	657,934	-2.3
West Central	5,735	0.4	325,140	-1.2
Southeast	20,179	14.0	1,010,528	-1.3
South Central	14,275	8.4	722,274	1.8
Rocky Mountain	4,987	-4.9	278,856	0.8
Pacific Northwest	2,820	4.3	159,329	4.5
Pacific Southwest	5,146	-2.7	283,068	-0.1
Total United States	74,900	7.0	3,982,230	-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)
Sep 23	81,983	Sep 24	81,953	0.0	Sep 23	3,970,089	-0.9
Sep 30	78,690	Oct 01	72,986	7.8	Sep 30	3,975,793	-0.7
Oct 07	74,293	Oct 08	72,741	2.1	Oct 07	3,977,345	-0.7
Oct 14	74,900	Oct 15	70,015	7.0	Oct 14	3,982,230	-0.5
Oct 14	3,177,695	Oct 15	3,221,859	-1.4	YEAR TO DATE, FIRST 41 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Sep 23	197	Sep 24	197	Sep 26	178
Sep 30	193	Oct 01	180	Oct 03	175
Oct 07	187	Oct 08	185	Oct 10	161
Oct 14	191	Oct 15	179	Oct 17	165

* Excludes Alaska and Hawaii.

+ Includes investor-owned companies, cooperatives and government-owned utilities.

Copyright © 2017 Edison Electric Institute. All rights reserved.

**EEl WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)**

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	14-Oct 2017 GWh Output	15-Oct 2016 GWh Output	% Increase Over Corresponding Week of 2016	14-Oct 2017 GWh Output	15-Oct 2016 GWh Output	% Increase Over Corresponding Week of 2016	14-Oct 2017 GWh Output	15-Oct 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,200	2,073	6.1%	95,384	98,751	-3.4%	120,602	123,437	-2.3%
Mid-Atlantic	8,043	7,144	12.6%	337,521	349,105	-3.3%	424,499	432,714	-1.9%
Central Industrial	11,515	10,979	4.9%	521,201	540,105	-3.5%	657,934	673,524	-2.3%
West Central	5,735	5,710	0.4%	258,182	263,800	-2.1%	325,140	329,172	-1.2%
Southeast	20,179	17,704	14.0%	808,216	829,648	-2.6%	1,010,528	1,023,610	-1.3%
South Central	14,275	13,175	8.3%	584,979	579,041	1.0%	722,274	709,167	1.8%
Rocky Mountain	4,987	5,241	-4.8%	221,457	217,908	1.6%	278,856	276,650	0.8%
Pacific Northwest	2,820	2,703	4.3%	123,544	116,437	6.1%	159,329	152,430	4.5%
Pacific Southwest	5,146	5,286	-2.6%	227,212	227,063	0.1%	283,068	283,216	-0.1%
Total United States ^{1/}	74,900	70,015	7.0%	3,177,696	3,221,858	-1.4%	3,982,230	4,003,920	-0.5%
Coal Regions Only ^{2/}	64,734	59,953	8.0%	2,731,556	2,779,607	-1.7%	3,419,231	3,444,837	-0.7%

Notes: EEl 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. EEl 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 (EEl), *Weekly Electric Output Report*.

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

October 16, 2017

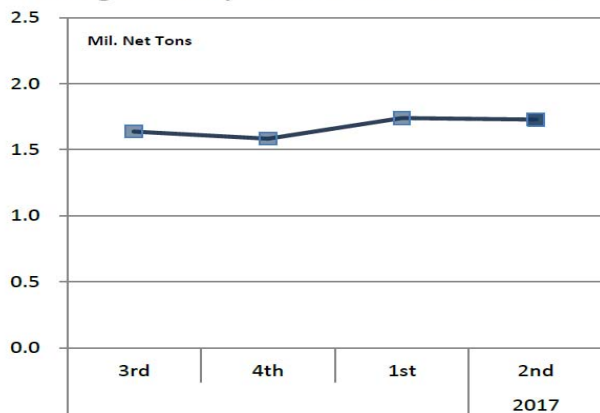
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Oct 14</u>	<u>Week Ending Oct 7</u>	
<u>Week Ending</u>				North East	181	197
				Great Lakes	641	707
October 14, 2017	1,744	0.2	74.8	Midwest	162	168
October 14, 2016	1,655	5.4	70.8	Southern	686	594
October 7, 2017	1,741	2.1	74.7	Western	74	75
				Total	1,744	1,741
<u>Year-to-Date +</u>						
October 14, 2017	71,289	3.8	74.6			
October 14, 2016	68,700	-	72.2			

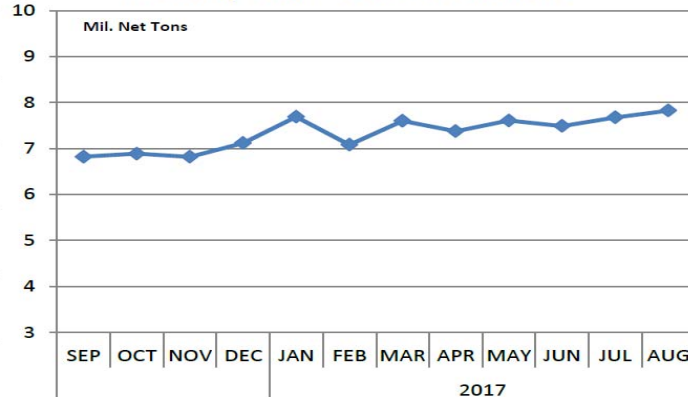
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 third quarter 2017 is approximately 30.6 million net tons vs. 30.7 million net tons for the same period last year, and 30.3 million tons for the second 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 41, 2017 – Ended October 14, 2017

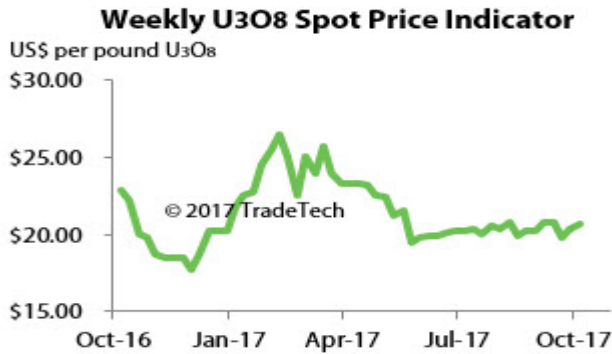
	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	264,161	0.5%	10,640,157	259,516	3.7%
Chemicals	30,961	6.2%	1,269,616	30,966	0.6%
Coal	86,292	-1.6%	3,490,534	85,135	11.5%
Farm Products excl. Grain, and Food	16,310	-3.7%	650,966	15,877	-1.6%
Forest Products	9,951	13.9%	412,178	10,053	-1.1%
Grain	21,930	-19.7%	906,360	22,106	-0.6%
Metallic Ores and Metals	22,306	18.3%	928,210	22,639	4.6%
Motor Vehicles and Parts	17,538	-5.1%	683,148	16,662	-7.4%
Nonmetallic Minerals	40,007	14.2%	1,513,956	36,926	8.3%
Petroleum and Petroleum Products	8,959	-14.6%	387,725	9,457	-14.4%
Other	9,907	-1.2%	397,464	9,694	-1.9%
Total Intermodal Units	284,103	5.5%	11,002,145	268,345	3.7%
Total Traffic	548,264	3.1%	21,642,302	527,861	3.7%

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.

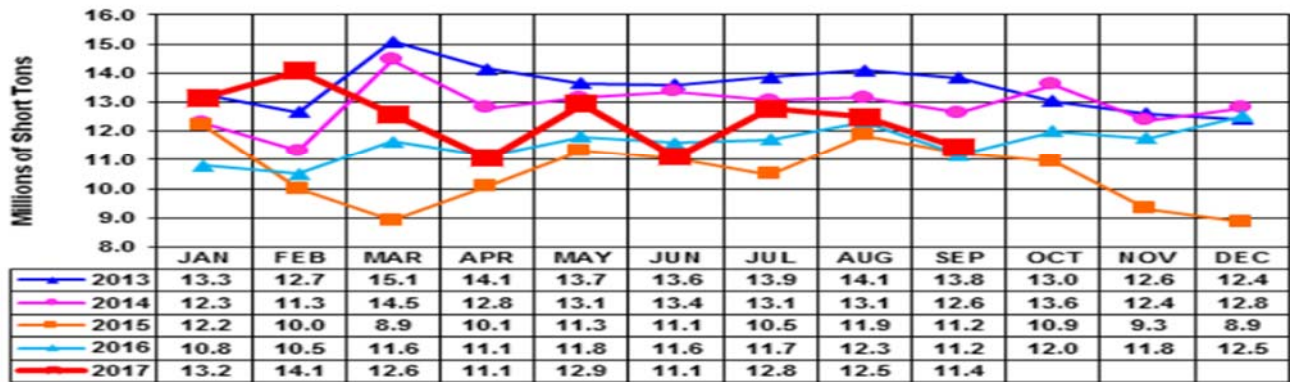
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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.

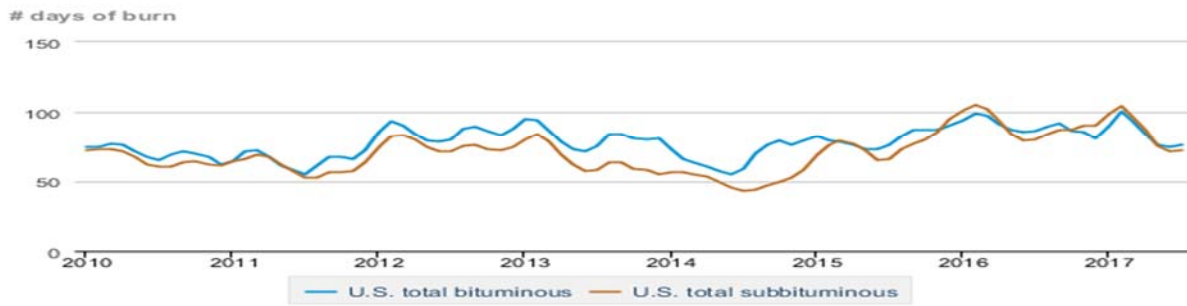
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	09/15/17	09/22/17	09/29/17	10/06/17	10/13/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$54.25	\$54.25	\$56.25	\$55.50	\$55.50	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$46.10	\$46.10	\$46.10	\$45.40	\$45.40	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$30.85	\$30.85	\$30.85	\$32.60	\$32.60	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.55	\$11.55	\$11.55	\$11.75	\$11.75	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.70	\$40.70	\$40.70	\$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 - July 2017



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Oct 05)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	61	-8	34	2	2	1
Middle Atlantic	46	-10	19	1	-3	1
E N Central	36	-24	7	8	4	6
W N Central	39	-20	6	12	5	9
South Atlantic	21	-5	19	43	2	-20
E S Central	9	-16	-2	34	9	1
W S Central	1	-5	-1	75	25	14
Mountain	70	9	41	22	-2	-5
Pacific	19	-1	2	8	-9	-12
United States	32	-11	11	23	2	-2

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	July 2017		July 2016		% Change of Stocks	June 2017		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,915	72	6,341	115	-38.3%	4,506	72	-13.1%
	Subbituminous	129	166	163	134	-20.9%	136	193	-5.5%
South	Bituminous	28,498	75	30,410	79	-6.3%	31,009	71	-8.1%
	Subbituminous	5,709	55	6,510	69	-12.3%	6,216	58	-8.2%
Midwest	Bituminous	13,750	76	17,322	92	-20.6%	15,249	79	-9.8%
	Subbituminous	38,044	73	42,815	78	-11.1%	40,987	72	-7.2%
West	Bituminous	5,576	82	5,689	75	-2.0%	5,779	83	-3.5%
	Subbituminous	28,432	74	33,520	85	-15.2%	30,245	73	-6.0%
U.S. Total	Bituminous	51,738	76	59,762	86	-13.4%	56,543	74	-8.5%
	Subbituminous	72,313	72	83,007	80	-12.9%	77,585	71	-6.8%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

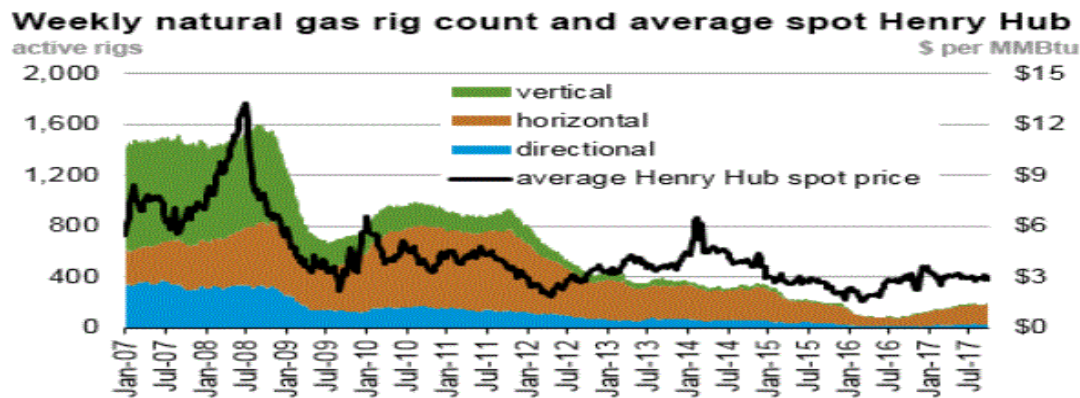
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-10-06	2017-09-29	change
East	884	861	23
Midwest	1,024	989	35
Mountain	223	220	3
Pacific	315	311	4
South Central	1,149	1,127	22
Total	3,595	3,508	87

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		
	October 2017	November 2017	change	October 2017	November 2017	change
Anadarko	376	380	4	2,521	2,530	9
Appalachia	134	135	1	14,204	14,179	(25)
Bakken	1,226	1,246	20	1,561	1,565	4
Eagle Ford	1,069	1,090	21	4,116	4,311	195
Haynesville	33	34	1	7,735	7,718	(17)
Niobrara	1,077	1,084	7	4,250	4,259	9
Permian	572	568	(4)	998	998	-
Total	593	589	(4)	3,414	3,449	35

Source: Energy Information Administration, *Drilling Productivity Report*