

National Mining Association

Weekly Statistical Summary

December 22, 2017 Edition
(Data for Week Ending December 16, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 50
Dated 12/22/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/16/17	12/10/16	% Chng	12/16/17	12/16/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,145	15,160	-0.1%	744,852	699,951	6.4%
52 Weeks Ended	786,348	721,938	8.9%			
AAR Coal Rail Cars Loaded:	87,843	87,929	-0.1%	4,268,586	3,949,511	8.1%
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		
	12/16/17	12/16/16	% Chng	12/16/17	12/16/16	% Chng
EI Electric Total Output (Mil. Kwh)	81,207	81,602	-0.5%	3,831,547	3,872,109	-1.0%
EI Coal Region Output (Mil. Kwh)	69,564	69,669	-0.2%	3,290,684	3,335,752	-1.4%
AISI Raw Steel Output (000 Tons)	1,698	1,607	5.7%	86,751	83,165	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)	
	12/15/17	12/08/17	% Chng	Wed.	12/13/17
Central App, 12,500 Btu, 1.2 SO ₂	\$59.85	\$59.85	0.0%	Henry Hub	2.67
Northern App, 13,000 Btu, < 3.0 SO ₂	46.20	46.20	0.0%	New York	4.42
Illinois Basin, 11,800, 5.0 SO ₂	32.60	32.60	0.0%	Chicago	2.62
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.10	12.10	0.0%	Cal.Comp.Avg.	2.78
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									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	12/16/2017 (week 50)	12/9/2017 (week 49)	12/10/2016 (week 50)	12/16/2017	12/16/2016	% Change	12/16/2017	12/10/2016	% Change
Alabama	254	238	198	12,138	9,273	30.9	12,679	9,501	33.4
Alaska	15	15	16	847	902	-6.1	891	941	-5.3
Arizona	110	124	105	5,691	5,225	8.9	5,979	5,367	11.4
Arkansas	1	1	1	34	48	-28.4	37	50	-26.0
Colorado	328	347	305	14,971	12,062	24.1	15,806	12,350	28.0
Illinois	915	867	841	46,297	41,999	10.2	48,598	43,301	12.2
Indiana	572	619	555	30,117	27,726	8.6	31,637	28,476	11.1
Kansas	27	-100.0	.	36	.
Kentucky Total	810	828	851	41,432	41,287	0.4	43,761	42,740	2.4
Eastern (KY)	343	333	337	17,753	16,140	10.0	18,675	16,824	11.0
Western (KY)	467	494	514	23,679	25,146	-5.8	25,085	25,916	-3.2
Louisiana	50	66	61	2,249	2,683	-16.2	2,417	2,760	-12.4
Maryland	37	36	37	1,711	1,546	10.7	1,813	1,586	14.3
Mississippi	52	62	57	2,673	2,763	-3.2	2,830	2,818	0.4
Missouri	4	6	5	245	225	8.6	257	224	14.7
Montana	693	642	715	32,626	30,995	5.3	34,584	31,993	8.1
New Mexico	271	255	281	13,147	12,815	2.6	13,917	13,404	3.8
North Dakota	533	557	567	27,155	27,057	0.4	28,708	27,745	3.5
Ohio	154	155	187	8,568	12,215	-29.9	9,079	12,679	-28.4
Oklahoma	10	10	12	522	631	-17.3	555	652	-14.9
Pennsylvania Total	971	1,032	977	47,833	44,053	8.6	50,509	45,076	12.1
Anthracite (PA)	36	32	32	1,748	1,604	9.0	1,837	1,668	10.1
Bituminous (PA)	935	999	945	46,085	42,449	8.6	48,672	43,408	12.1
Tennessee	9	9	11	459	624	-26.4	488	651	-25.0
Texas	668	688	767	33,875	37,564	-9.8	35,974	38,500	-6.6
Utah	254	265	280	13,007	13,446	-3.3	13,772	13,784	-0.1
Virginia	257	279	260	13,386	12,872	4.0	14,099	13,208	6.7
West Virginia Total	1,745	1,779	1,606	87,322	76,813	13.7	91,717	79,058	16.0
Northern (WV)	882	966	876	44,417	41,883	6.0	46,814	43,156	8.5
Southern (WV)	863	813	730	42,905	34,930	22.8	44,903	35,902	25.1
Wyoming	6,431	6,652	6,465	308,546	285,101	8.2	326,243	295,039	10.6
Appalachian Total	3,770	3,862	3,613	189,170	173,535	9.0	199,059	178,582	11.5
Interior Total	2,740	2,813	2,812	139,691	138,812	0.6	147,389	142,733	3.3
Western Total	8,635	8,857	8,735	415,990	387,603	7.3	439,900	400,622	9.8
East of Mississippi River	5,777	5,904	5,580	291,936	271,169	7.7	307,209	279,094	10.1
West of Mississippi River	9,368	9,628	9,581	452,916	428,782	5.6	479,139	442,844	8.2
Bituminous and Lignite	15,109	15,500	15,128	743,103	698,347	6.4	784,511	720,270	8.9
Anthracite	36	32	32	1,748	1,604	9.0	1,837	1,668	10.1
U.S. Total	15,145	15,532	15,160	744,852	699,951	6.4	786,348	721,938	8.9
Railroad Cars Loaded	87,843	89,808	87,929	4,268,586	3,949,511	8.1	4,509,262	4,078,545	10.6

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 50

OUTPUT FOR WEEK ENDED - Dec 16, 2017

Dec 20, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Dec 16, 2017 was 81,207 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 203 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended December 16		52 Weeks Ended December 16	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,566	-1.8	120,288	-2.7
Mid-Atlantic	9,035	0.2	424,303	-2.4
Central Industrial	13,781	-4.8	657,461	-2.6
West Central	6,461	-7.5	325,476	-1.4
Southeast	21,282	1.9	1,012,069	-1.5
South Central	13,450	6.6	724,341	1.3
Rocky Mountain	5,555	-2.4	278,566	1.1
Pacific Northwest	3,866	-7.7	159,654	5.0
Pacific Southwest	5,211	1.6	283,673	0.3
Total United States	81,207	-0.5	3,985,831	-0.8

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Nov 25	69,503	Nov 26	68,207	1.9	Nov 25	3,988,723	-0.4
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 16	3,831,547	Dec 17	3,872,109	-1.0	YEAR TO DATE, FIRST 50 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Nov 25	181	Nov 26	176	Nov 28	161
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

* 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		
	16-Dec 2017 GWh Output	17-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016	16-Dec 2017 GWh Output	17-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016	16-Dec 2017 GWh Output	17-Dec 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,566	2,614	-1.8%	115,390	119,072	-3.1%	120,288	123,626	-2.7%
Mid-Atlantic	9,035	9,018	0.2%	407,564	419,344	-2.8%	424,303	434,612	-2.4%
Central Industrial	13,781	14,476	-4.8%	631,474	650,852	-3.0%	657,461	675,272	-2.6%
West Central	6,461	6,981	-7.4%	312,728	318,013	-1.7%	325,476	330,093	-1.4%
Southeast	21,282	20,890	1.9%	973,077	992,967	-2.0%	1,012,069	1,027,838	-1.5%
South Central	13,450	12,612	6.6%	698,614	690,608	1.2%	724,341	714,766	1.3%
Rocky Mountain	5,555	5,692	-2.4%	267,227	263,968	1.2%	278,566	275,442	1.1%
Pacific Northwest	3,866	4,188	-7.7%	151,951	144,517	5.1%	159,654	152,074	5.0%
Pacific Southwest	5,211	5,131	1.6%	273,522	272,768	0.3%	283,673	282,919	0.3%
Total United States ^{1/}	81,207	81,602	-0.5%	3,831,547	3,872,109	-1.0%	3,985,831	4,016,642	-0.8%
Coal Regions Only ^{2/}	69,564	69,669	-0.2%	3,290,684	3,335,752	-1.4%	3,422,216	3,458,023	-1.0%

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 18, 2017

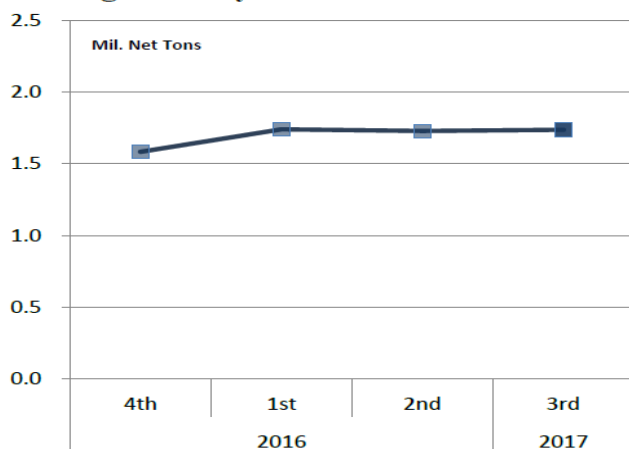
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 16</u>	<u>Dec 9</u>	
<u>Week Ending</u>				North East	213	202
				Great Lakes	628	607
December 16, 2017	1,698	1.6	72.8	Midwest	167	169
December 16, 2016	1,607	5.7	67.8	Southern	623	621
December 9, 2017	1,672	-2.8	71.7	Western	67	73
				Total	1,698	1,672
<u>Year-to-Date +</u>						
December 16, 2017	86,751	4.3	74.4			
December 16, 2016	83,165	-	70.5			

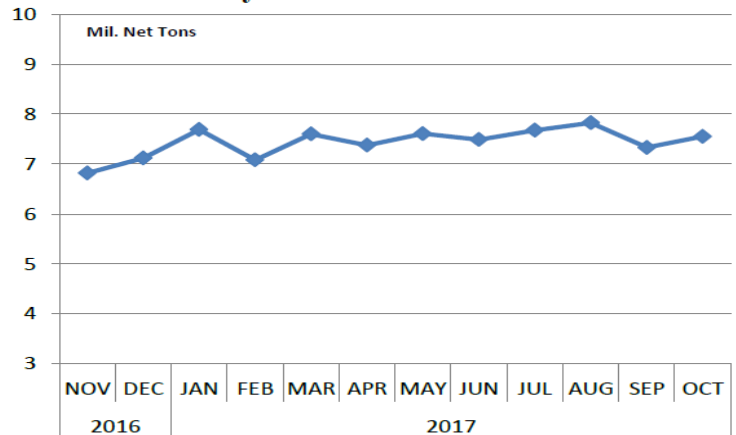
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 50, 2017 – Ended December 16, 2017

	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	265,169	4.1%	13,013,090	260,262	3.0%
Chemicals	32,224	8.2%	1,550,897	31,018	1.3%
Coal	87,843	0.9%	4,268,586	85,372	8.2%
Farm Products excl. Grain, and Food	15,651	-3.9%	799,794	15,996	-1.8%
Forest Products	10,174	7.0%	501,826	10,037	-0.3%
Grain	23,571	-3.3%	1,112,808	22,256	-2.5%
Metallic Ores and Metals	23,137	10.4%	1,130,274	22,605	6.0%
Motor Vehicles and Parts	17,651	0.1%	838,364	16,767	-6.6%
Nonmetallic Minerals	34,003	22.1%	1,849,612	36,992	8.7%
Petroleum and Petroleum Products	10,639	-4.1%	478,908	9,578	-12.6%
Other	10,276	1.1%	482,021	9,640	-1.8%
Total Intermodal Units	289,610	7.6%	13,528,272	270,565	3.8%
Total Traffic	554,779	5.9%	26,541,362	530,827	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.

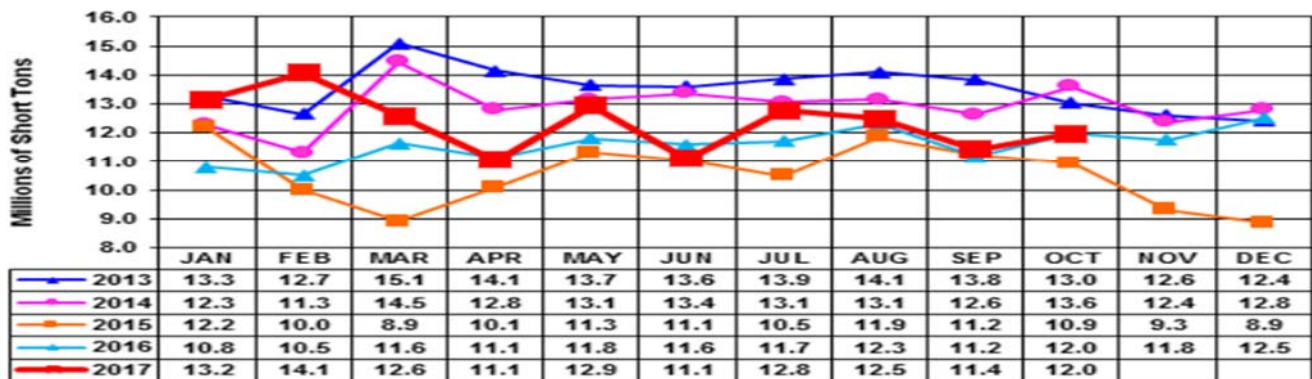
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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.

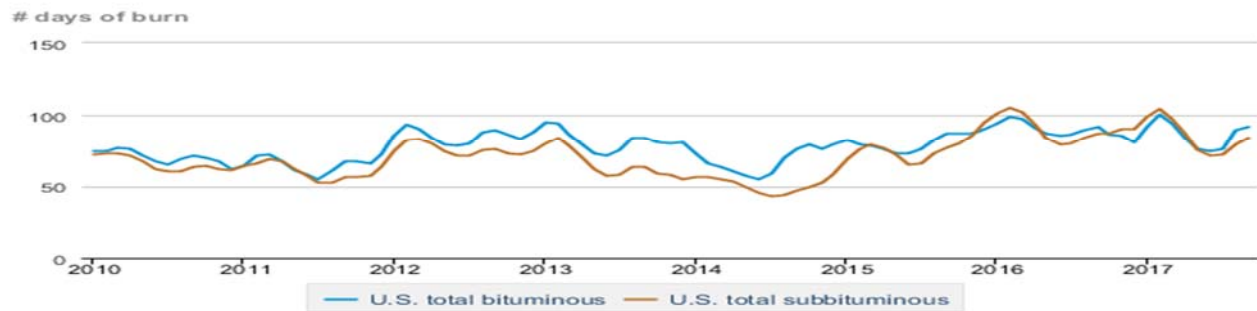
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago change
	11/17/17	11/24/17	12/01/17	12/08/17	12/15/17	
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 - September 2017



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Dec 07)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	178	-31	3	0	0	0
Middle Atlantic	171	-27	16	0	0	0
E N Central	187	-41	-12	0	0	0
W N Central	203	-51	-15	0	0	0
South Atlantic	108	-31	-1	13	4	-6
E S Central	111	-31	-13	0	-1	-1
W S Central	73	-32	-25	10	7	10
Mountain	181	-32	-46	1	1	1
Pacific	94	-18	-26	0	-1	0
United States	146	-32	-13	4	2	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	September 2017		September 2016		% Change of Stocks	August 2017		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	4,439	94	5,552	96	-20.0%	4,143	88	7.1%
	Subbituminous	126	111	136	97	-7.8%	129	139	-2.4%
South	Bituminous	27,454	96	27,326	88	0.5%	27,973	91	-1.9%
	Subbituminous	5,195	64	5,631	68	-7.8%	5,362	59	-3.1%
Midwest	Bituminous	12,989	85	16,547	99	-21.5%	13,187	83	-1.5%
	Subbituminous	37,284	85	40,862	84	-8.8%	36,413	81	2.4%
West	Bituminous	5,356	90	5,885	84	-9.0%	5,457	90	-1.8%
	Subbituminous	25,666	87	30,830	95	-16.8%	26,995	83	-4.9%
U.S. Total	Bituminous	50,238	92	55,311	92	-9.2%	50,760	89	-1.0%
	Subbituminous	68,271	84	77,459	87	-11.9%	68,899	79	-0.9%

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*

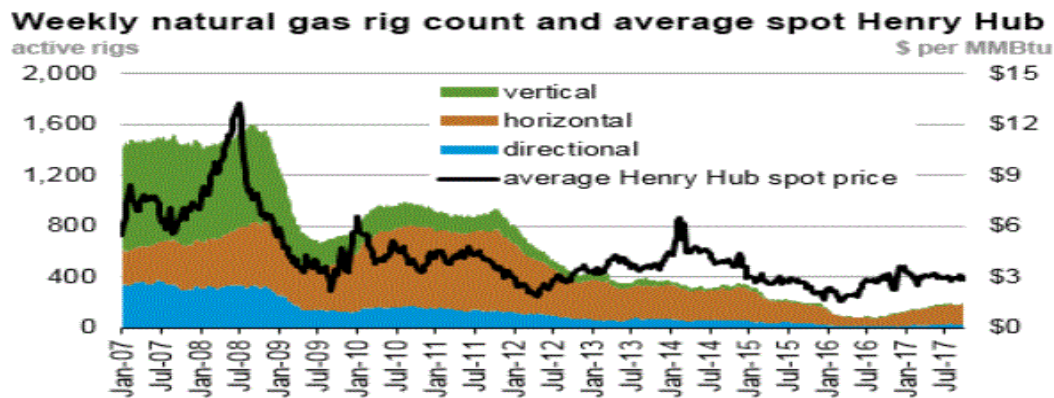
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-12-08	2017-12-01	change
East	855	868	-13
Midwest	1,033	1,058	-25
Mountain	213	221	-8
Pacific	305	313	-8
South Central	1,220	1,235	-15
Total	3,626	3,695	-69

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*