

National Mining Association

Weekly Statistical Summary

November 17, 2017 Edition
(Data for Week Ending November 11, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 55, No. 45
Dated 11/17/17

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/11/17	11/05/16	% Chng	11/11/17	11/11/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,766	16,020	-7.8%	679,805	623,426	9.0%
52 Weeks Ended	798,571	724,664	10.2%			
AAR Coal Rail Cars Loaded:	85,378	92,912	-8.1%	3,832,665	3,505,671	9.3%
DOC Coal Trade (000 Tons)						
Exports:						
	Sep 17/16		% Chng	Jan - Sep 17/16		% Chng
Metallurgical	5,435	2,828	92.2%	40,466	29,291	38.2%
Steam *	3,393	1,406	141.3%	28,028	11,271	148.7%
Lignite	6	5	20.0%	59	51	15.7%
Anthracite	65	37	75.7%	236	351	-32.8%
Total	8,899	4,276	108.1%	68,789	40,964	67.9%
Imports:						
	513	800	-35.9%	6,420	7,722	-16.9%
EI Electric Total Output (Mil. Kwh)						
	Week Ended		% Chng	Cumulative Week 1 to		% Chng
	11/11/17	11/12/16		11/11/17	11/12/16	
EI Electric Total Output (Mil. Kwh)	72,411	68,087	6.4%	3,458,445	3,501,255	-1.2%
EI Coal Region Output (Mil. Kwh)	62,124	58,054	7.0%	2,971,474	3,018,986	-1.6%
AISI Raw Steel Output (000 Tons)	1,739	1,591	9.3%	78,213	75,174	4.0%

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)	
	11/10/17	11/03/17	% Chng	Wed.	11/08/17
Central App, 12,500 Btu, 1.2 SO ₂	\$59.85	\$57.85	3.5%	Henry Hub	3.15
Northern App, 13,000 Btu, < 3.0 SO ₂	46.20	45.45	1.7%	New York	3.19
Illinois Basin, 11,800, 5.0 SO ₂	32.60	32.60	0.0%	Chicago	3.31
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.10	11.75	3.0%	Cal.Comp.Avg.	3.17
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



EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	11/11/2017 (week 45)	11/4/2017 (week 44)	11/5/2016 (week 45)	11/11/2017	11/11/2016	% Change	11/11/2017	11/5/2016	% Change
Alabama	229	250	209	10,514	8,275	27.1	12,062	9,403	28.3
Alaska	13	13	17	727	821	-11.5	853	979	-12.9
Arizona	113	112	111	5,309	4,694	13.1	6,135	5,362	14.4
Arkansas	1	1	1	36	44	-18.6	42	53	-20.8
Colorado	327	340	323	13,849	10,520	31.6	16,241	12,051	34.8
Illinois	831	880	888	41,825	37,755	10.8	48,412	43,638	10.9
Indiana	567	567	587	27,433	24,923	10.1	31,783	28,450	11.7
Kansas	27	-100.0	.	57	.
Kentucky Total	776	790	899	37,919	36,992	2.5	44,584	43,395	2.7
Eastern (KY)	308	315	356	15,657	14,439	8.4	18,296	17,329	5.6
Western (KY)	467	475	543	22,263	22,553	-1.3	26,287	26,066	0.8
Louisiana	59	60	65	2,523	2,374	6.3	3,003	2,743	9.5
Maryland	36	38	39	1,582	1,357	16.6	1,875	1,561	20.1
Mississippi	59	60	60	2,720	2,474	9.9	3,168	2,767	14.5
Missouri	6	6	5	243	202	20.3	279	207	34.8
Montana	649	671	756	27,964	27,385	2.1	33,567	32,031	4.8
New Mexico	238	248	297	11,414	11,396	0.2	13,615	13,868	-1.8
North Dakota	527	535	600	24,842	24,193	2.7	29,287	27,537	6.4
Ohio	153	153	197	8,084	11,273	-28.3	9,545	13,156	-27.4
Oklahoma	10	10	13	487	570	-14.5	583	659	-11.5
Pennsylvania Total	977	1,004	1,033	44,748	39,120	14.4	52,405	44,350	18.2
Anthracite (PA)	31	33	34	1,562	1,440	8.4	1,816	1,713	6.0
Bituminous (PA)	947	970	999	43,186	37,679	14.6	50,589	42,637	18.7
Tennessee	9	9	11	451	570	-20.9	535	679	-21.2
Texas	678	693	810	32,039	33,695	-4.9	38,044	38,237	-0.5
Utah	251	258	295	12,240	12,035	1.7	14,430	13,681	5.5
Virginia	259	261	275	12,672	11,558	9.6	14,712	13,161	11.8
West Virginia Total	1,676	1,725	1,697	80,512	68,707	17.2	93,093	79,155	17.6
Northern (WV)	897	899	925	42,665	37,463	13.9	49,526	43,320	14.3
Southern (WV)	780	826	772	37,847	31,244	21.1	43,567	35,835	21.6
Wyoming	6,323	6,336	6,832	279,672	252,467	10.8	330,320	297,484	11.0
Appalachian Total	3,648	3,754	3,818	174,220	155,299	12.2	202,523	178,793	13.3
Interior Total	2,676	2,752	2,972	129,569	124,616	4.0	151,601	142,878	6.1
Western Total	8,442	8,513	9,230	376,016	343,511	9.5	444,447	402,993	10.3
East of Mississippi River	5,572	5,737	5,896	268,461	243,004	10.5	312,173	279,714	11.6
West of Mississippi River	9,194	9,282	10,123	411,344	380,422	8.1	486,398	444,950	9.3
Bituminous and Lignite	14,735	14,986	15,985	678,243	621,985	9.0	796,755	722,952	10.2
Anthracite	31	33	34	1,562	1,440	8.4	1,816	1,713	6.0
U.S. Total	14,766	15,019	16,020	679,805	623,426	9.0	798,571	724,664	10.2
Railroad Cars Loaded	85,378	86,843	92,912	3,832,665	3,505,671	9.3	4,521,500	4,090,625	10.5

Source: Energy Information Administration



Weekly Electric Output

Volume 85 No. 45

OUTPUT FOR WEEK ENDED - Nov 11, 2017

Nov 15, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Nov 11, 2017 was 72,411 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 193 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended November 11		52 Weeks Ended November 11	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,187	0.9	120,355	-2.4
Mid-Atlantic	7,669	2.3	424,071	-2.0
Central Industrial	12,083	6.1	658,402	-2.2
West Central	6,156	8.5	325,783	-1.1
Southeast	18,220	7.1	1,010,770	-1.3
South Central	12,805	11.4	721,560	1.2
Rocky Mountain	5,191	3.9	279,183	0.9
Pacific Northwest	3,146	18.4	160,130	5.3
Pacific Southwest	4,954	-4.9	283,328	0.0
Total United States	72,411	6.4	3,983,583	-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)
Oct 21	69,651	Oct 22	72,602	-4.1	Oct 21	3,979,278	-0.7
Oct 28	68,634	Oct 29	68,955	-0.5	Oct 28	3,978,957	-0.7
Nov 04	70,053	Nov 05	69,752	0.4	Nov 04	3,979,258	-0.7
Nov 11	72,411	Nov 12	68,087	6.4	Nov 11	3,983,583	-0.6
Nov 11	3,458,445	Nov 12	3,501,255	-1.2	YEAR TO DATE, FIRST 45 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Oct 21	179	Oct 22	188	Oct 24	159
Oct 28	179	Oct 29	180	Oct 31	157
Nov 04	184	Nov 05	186	Nov 07	158
Nov 11	193	Nov 12	179	Nov 14	158

* 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		
	11-Nov 2017 GWh Output	12-Nov 2016 GWh Output	% Increase Over Corresponding Week of 2016	11-Nov 2017 GWh Output	12-Nov 2016 GWh Output	% Increase Over Corresponding Week of 2016	11-Nov 2017 GWh Output	12-Nov 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,187	2,166	1.0%	103,730	107,345	-3.4%	120,355	123,308	-2.4%
Mid-Atlantic	7,669	7,493	2.3%	366,880	378,892	-3.2%	424,071	432,791	-2.0%
Central Industrial	12,083	11,390	6.1%	567,426	585,862	-3.1%	658,402	673,031	-2.2%
West Central	6,156	5,672	8.5%	282,183	287,159	-1.7%	325,783	329,344	-1.1%
Southeast	18,220	17,008	7.1%	878,075	899,265	-2.4%	1,010,770	1,023,739	-1.3%
South Central	12,805	11,492	11.4%	634,838	629,612	0.8%	721,560	713,154	1.2%
Rocky Mountain	5,191	4,999	3.8%	242,072	238,196	1.6%	279,183	276,767	0.9%
Pacific Northwest	3,146	2,658	18.4%	135,141	127,232	6.2%	160,130	152,058	5.3%
Pacific Southwest	4,954	5,209	-4.9%	248,100	247,691	0.2%	283,328	283,442	0.0%
Total United States ^{1/}	<u>72,411</u>	<u>68,087</u>	6.4%	<u>3,458,445</u>	<u>3,501,254</u>	-1.2%	3,983,582	4,007,634	-0.6%
Coal Regions Only ^{2/}	62,124	58,054	7.0%	2,971,474	3,018,986	-1.6%	3,419,769	3,448,826	-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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November 13, 2017

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

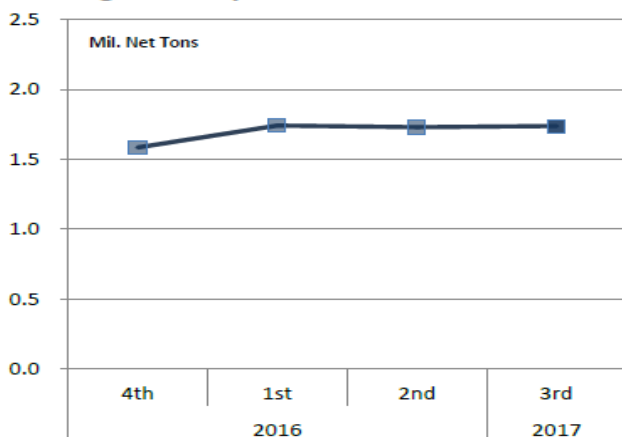
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
<u>Week Ending</u>				<u>Nov 11</u>	<u>Nov 4</u>	
November 11, 2017	1,739	1.4	74.6	North East	198	187
November 11, 2016	1,591	9.3	67.1	Great Lakes	627	642
November 4, 2017	1,715	-1.4	73.6	Midwest	164	159
				Southern	686	653
				Western	64	74
				Total	1,739	1,715

<u>Year-to-Date +</u>			
November 11, 2017	78,213	4.0	74.6
November 11, 2016	75,174	-	70.8

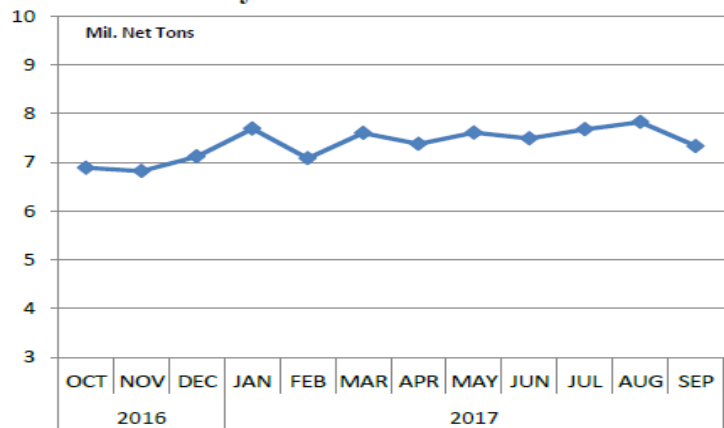
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 45, 2017 – Ended November 11, 2017

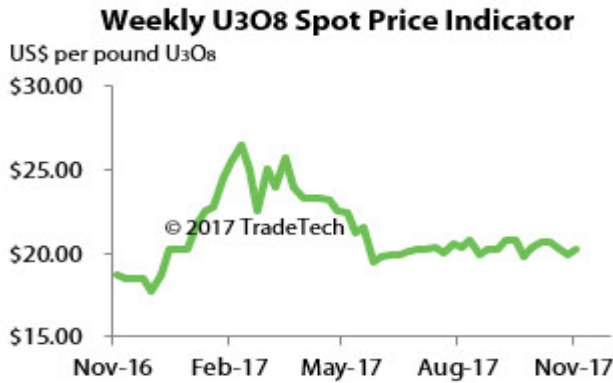
	This Week		Year-To-Date		
	Cars	vs 2016	Cumulative	Avg/wk ²	vs 2016
Total Carloads	263,265	-3.3%	11,702,354	260,052	3.1%
Chemicals	30,662	3.6%	1,392,676	30,948	0.9%
Coal	85,378	-7.3%	3,832,663	85,170	9.5%
Farm Products excl. Grain, and Food	16,720	-3.3%	718,592	15,969	-1.8%
Forest Products	9,827	1.4%	451,634	10,036	-0.7%
Grain	22,845	-14.8%	999,093	22,202	-1.9%
Metallic Ores and Metals	22,673	4.1%	1,019,175	22,648	5.4%
Motor Vehicles and Parts	16,906	-1.9%	752,178	16,715	-7.2%
Nonmetallic Minerals	38,318	3.9%	1,673,140	37,181	8.3%
Petroleum and Petroleum Products	10,284	-7.8%	427,498	9,500	-13.7%
Other	9,652	0.8%	435,705	9,682	-1.9%
Total Intermodal Units	284,215	5.6%	12,133,011	269,622	3.7%
Total Traffic	547,480	1.2%	23,835,365	529,675	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.

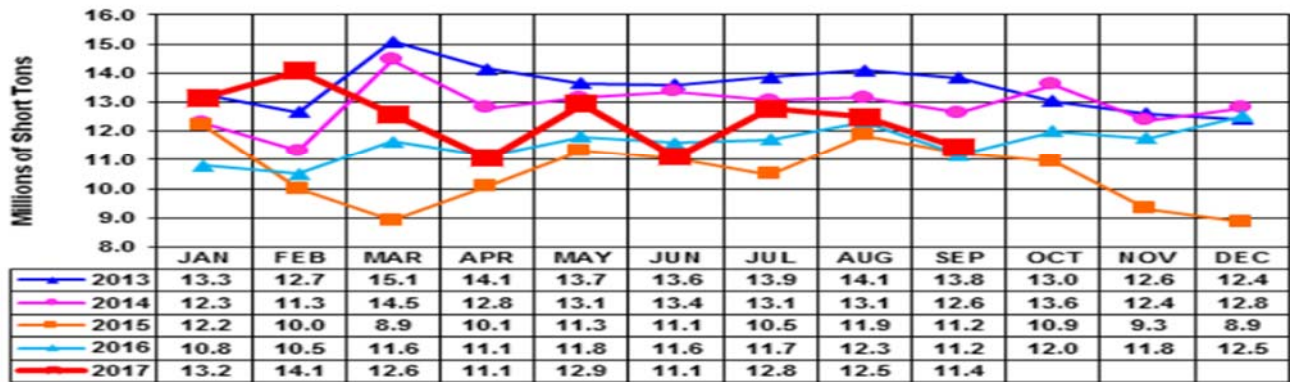
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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
	10/13/17	10/20/17	10/27/17	11/03/17	11/10/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$55.50	\$55.50	\$57.85	\$57.85	\$59.85	\$2.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.40	\$45.40	\$45.45	\$45.45	\$46.20	\$0.75
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	\$11.75	\$11.75	\$11.75	\$11.75	\$12.10	\$0.35
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 News and Markets Report*

Days of burn by non-lignite coal rank, January 2009 - August 2017



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Nov 02)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	88	-42	-56	0	0	0
Middle Atlantic	97	-24	-26	0	0	0
E N Central	164	31	74	0	-1	0
W N Central	193	55	125	0	-1	-3
South Atlantic	74	1	30	8	-9	-18
E S Central	96	21	79	2	-1	-16
W S Central	63	24	61	11	-5	-37
Mountain	110	-17	56	9	4	-8
Pacific	37	-19	1	6	4	6
United States	106	6	40	4	-2	-8

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	August 2017		August 2016			July 2017		
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn	% Change of Stocks	Stocks (1000 tons)	Days of Burn	% Change of Stocks
Northeast	Bituminous	4,143	88	5,312	98	-22.0%	3,915	72	5.8%
	Subbituminous	129	139	153	131	-15.6%	129	166	0.0%
South	Bituminous	27,973	91	27,906	84	0.2%	28,498	75	-1.8%
	Subbituminous	5,362	59	5,899	67	-9.1%	5,709	55	-6.1%
Midwest	Bituminous	13,187	83	16,830	99	-21.6%	13,750	76	-4.1%
	Subbituminous	36,407	80	40,679	82	-10.5%	38,044	73	-4.3%
West	Bituminous	5,457	90	5,715	79	-4.5%	5,576	82	-2.1%
	Subbituminous	26,995	83	31,529	92	-14.4%	28,432	74	-5.1%
U.S. Total	Bituminous	50,760	89	55,763	89	-9.0%	51,738	76	-1.9%
	Subbituminous	68,894	79	78,259	84	-12.0%	72,313	72	-4.7%

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

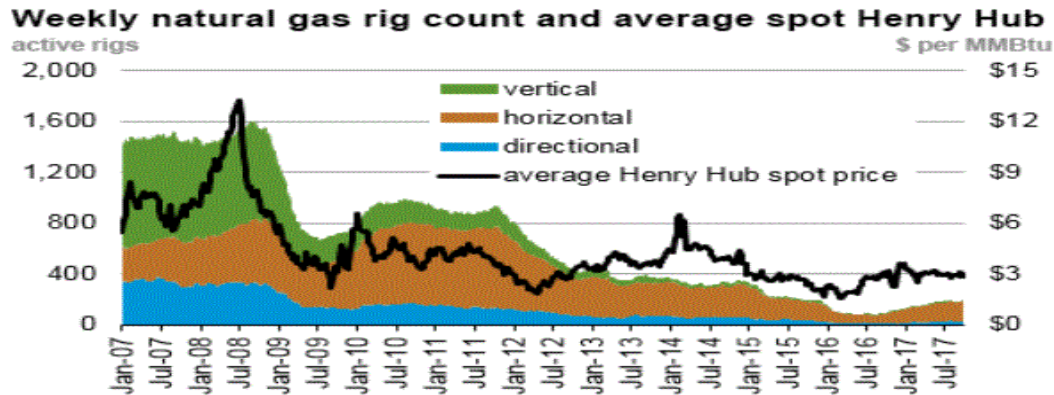
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-11-03	2017-10-27	change
East	925	926	-1
Midwest	1,112	1,107	5
Mountain	224	226	-2
Pacific	317	317	0
South Central	1,212	1,199	13
Total	3,790	3,775	15

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Natural Gas Weekly Update*

EIA Natural Gas Rig Count and Price Trend



eia 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		
	November 2017	December 2017	change	November 2017	December 2017	change
Anadarko	377	382	5	2,530	2,539	9
Appalachia	135	135	-	14,342	14,369	27
Bakken	1,253	1,276	23	1,588	1,601	13
Eagle Ford	1,090	1,124	34	4,283	4,503	220
Haynesville	33	33	-	7,763	7,789	26
Niobrara	1,084	1,095	11	4,259	4,269	10
Permian	582	586	4	1,035	1,050	15
Total	596	603	7	3,483	3,488	5

Source: Energy Information Administration, *Drilling Productivity Report*