

National Mining Association

Weekly Statistical Summary

February 24, 2017 Edition
(Data for Week Ending February 18, 2017)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

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PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	02/18/17	02/13/16	% Chng	02/18/17	02/18/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	16,785	13,890	20.8%	112,648	96,472	16.8%
52 Weeks Ended	765,013	858,656	-10.9%			
AAR Coal Rail Cars Loaded:	90,927	75,249	20.8%	610,218	523,097	16.7%
Coal Production	Jan 17/16		% Chng	Jan - Jan 16/17		% Chng
Month Ended - Jan.	69,500	60,500	14.9%	69,500	60,500	14.9%
DOC Coal Trade (000 Tons)						
Exports:	December 16/15			Jan - Dec 16/15		
			% Chng			% Chng
Metallurgical	4,639	3,136	47.9%	40,930	46,007	-11.0%
Steam *	3,282	1,704	92.6%	18,918	27,591	-31.4%
Lignite	7	5	40.0%	71	63	12.7%
Anthracite	4	4	0.0%	401	336	19.3%
Total	7,932	4,849	63.6%	60,320	73,997	-18.5%
Imports:	652	969	-32.7%	9,850	11,318	-13.0%
	Week Ended			Cumulative Week 1 to		
	02/18/17	02/20/16	% Chng	02/18/17	02/20/16	% Chng
EI Electric Total Output (Mil. Kwh)	72,338	75,345	-4.0%	535,436	549,915	-2.6%
EI Coal Region Output (Mil. Kwh)	61,562	64,855	-5.1%	455,146	473,613	-3.9%
AISI Raw Steel Output (000 Tons)	1,766	1,709	3.3%	12,066	11,512	4.8%

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)	
	02/17/17	02/10/17	% Chng	Wed.	02/15/17
Central App, 12,500 Btu, 1.2 SO ₂	\$51.60	\$50.05	3.1%	Henry Hub	2.92
Northern App, 13,000 Btu, < 3.0 SO ₂	46.25	45.80	1.0%	New York	3.11
Illinois Basin, 11,800, 5.0 SO ₂	31.65	31.75	-0.3%	Chicago	2.84
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.50	11.80	-2.5%	Cal.Comp.Avg.	2.94
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.10	41.15	-2.6%		

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		
	2/18/2017 (week 7)	2/11/2017 (week 6)	2/13/2016 (week 7)	2/18/2017	2/18/2016	% Change	2/18/2017	2/13/2016	% Change
Alabama	194	187	196	1,294	1,364	-5.1	8,908	12,306	-27.6
Alaska	27	28	25	190	173	10.0	1,105	1,194	-7.5
Arizona	122	119	107	819	744	10.0	5,592	6,561	-14.8
Arkansas	1	1	1	7	6	14.0	45	86	-47.7
Colorado	229	211	199	1,467	1,384	6.0	11,642	17,389	-33.0
Illinois	1,048	1,029	909	7,091	6,312	12.3	46,601	53,135	-12.3
Indiana	702	676	580	4,674	4,028	16.1	30,436	32,993	-7.8
Kansas	3	3	2	18	15	21.5	74	185	-60.0
Kentucky Total	947	944	911	6,431	6,326	1.6	44,568	58,337	-23.6
Eastern (KY)	349	351	368	2,376	2,555	-7.0	17,378	26,331	-34.0
Western (KY)	598	593	543	4,055	3,771	7.5	27,191	32,006	-15.0
Louisiana	66	63	53	432	366	18.0	2,958	3,372	-12.3
Maryland	31	32	29	214	201	6.6	1,522	1,812	-16.0
Mississippi	67	67	62	462	430	7.6	2,999	3,123	-4.0
Missouri	6	5	3	38	23	64.6	225	138	63.0
Montana	650	661	596	4,459	4,142	7.6	32,633	39,905	-18.2
New Mexico	344	326	345	2,196	2,395	-8.3	14,785	19,812	-25.4
North Dakota	766	741	579	5,110	4,019	27.1	30,869	28,556	8.1
Ohio	338	336	313	2,307	2,171	6.2	14,539	16,404	-11.4
Oklahoma	17	16	13	110	93	18.1	692	758	-8.7
Pennsylvania Total	1,111	1,042	829	7,252	5,761	25.9	47,263	48,950	-3.4
Anthracite (PA)	41	41	35	279	240	16.2	1,850	2,107	-12.2
Bituminous (PA)	1,069	1,001	795	6,973	5,520	26.3	45,412	46,843	-3.1
Tennessee	18	19	19	129	129	-0.2	798	906	-11.9
Texas	1,135	1,111	796	7,654	5,529	38.4	44,550	36,735	21.3
Utah	375	355	270	2,470	1,875	31.7	14,869	14,228	4.5
Virginia	350	332	256	2,306	1,780	29.5	14,343	13,940	2.9
West Virginia Total	1,911	1,868	1,546	12,833	10,739	19.5	84,426	91,066	-7.3
Northern (WV)	1,111	1,082	826	7,418	5,735	29.3	47,275	45,985	2.8
Southern (WV)	800	786	720	5,415	5,004	8.2	37,151	45,081	-17.6
Wyoming	6,329	6,315	5,251	42,688	36,468	17.1	308,570	356,766	-13.5
Appalachian Total	4,302	4,168	3,556	28,710	24,699	16.2	189,177	211,714	-10.6
Interior Total	3,641	3,564	2,962	24,541	20,573	19.3	155,771	162,531	-4.2
Western Total	8,842	8,757	7,372	59,397	51,200	16.0	420,065	484,410	-13.3
East of Mississippi River	6,716	6,533	5,650	44,992	39,240	14.7	296,403	332,971	-11.0
West of Mississippi River	10,069	9,955	8,240	67,656	57,232	18.2	468,609	525,685	-10.9
Bituminous and Lignite	16,744	16,447	13,855	112,368	96,232	16.8	763,162	856,549	-10.9
Anthracite	41	41	35	279	240	16.2	1,850	2,107	-12.2
U.S. Total	16,785	16,488	13,890	112,648	96,472	16.8	765,013	858,656	-10.9
Railroad Cars Loaded	90,927	89,318	75,249	610,218	523,097	16.7	4,256,556	4,909,498	-13.3

Source: Energy Information Administration



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OUTPUT FOR WEEK ENDED - Feb 18, 2017

Feb 22, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Feb 18, 2017 was 72,338 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 154 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended February 18		52 Weeks Ended February 18	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,455	-4.4	123,473	-1.4
Mid-Atlantic	8,334	-6.9	433,948	-0.9
Central Industrial	12,597	-6.1	672,984	0.7
West Central	5,837	-4.3	329,723	0.3
Southeast	18,186	-10.8	1,020,329	0.3
South Central	11,988	4.0	715,872	1.5
Rocky Mountain	4,620	3.4	275,954	-0.8
Pacific Northwest	3,404	9.4	155,441	1.6
Pacific Southwest	4,917	2.2	284,190	-0.3
Total United States	72,338	-4.0	4,011,913	0.3

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2017	Week Ended	2016	% Inc. (17/16)	52 Weeks Ended	2017	% Inc. (17/16)
Jan 28	75,253	Jan 30	77,913	-3.4	Jan 28	4,017,473	0.1
Feb 04	76,896	Feb 06	74,481	3.2	Feb 04	4,019,888	0.3
Feb 11	74,849	Feb 13	79,816	-6.2	Feb 11	4,014,920	0.1
Feb 18	72,338	Feb 20	75,345	-4.0	Feb 18	4,011,913	0.3
Feb 18	535,436	Feb 20	549,915	-2.6	YEAR TO DATE, FIRST 7 WEEKS		

WEEKLY ELECTRIC OUTPUT INDEX--TOTAL U.S.*
SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
Jan 28	167	Jan 30	176	Jan 31	176
Feb 04	160	Feb 06	167	Feb 07	183
Feb 11	155	Feb 13	183	Feb 14	179
Feb 18	154	Feb 20	175	Feb 21	193

* 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		
	18-Feb 2017 GWh Output	20-Feb 2016 GWh Output	% Increase Over Corresponding Week of 2016	18-Feb 2017 GWh Output	20-Feb 2016 GWh Output	% Increase Over Corresponding Week of 2016	18-Feb 2017 GWh Output	20-Feb 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,455	2,568	-4.4%	17,079	17,578	-2.8%	123,473	125,259	-1.4%
Mid-Atlantic	8,334	8,952	-6.9%	59,127	61,261	-3.5%	433,948	438,092	-0.9%
Central Industrial	12,597	13,420	-6.1%	92,870	96,721	-4.0%	672,984	668,209	0.7%
West Central	5,837	6,099	-4.3%	44,423	45,454	-2.3%	329,723	328,732	0.3%
Southeast	18,186	20,394	-10.8%	133,901	145,535	-8.0%	1,020,329	1,016,972	0.3%
South Central	11,988	11,523	4.0%	87,227	87,689	-0.5%	715,872	705,426	1.5%
Rocky Mountain	4,620	4,467	3.4%	37,598	36,953	1.7%	275,954	278,109	-0.8%
Pacific Northwest	3,404	3,112	9.4%	27,315	24,098	13.3%	155,441	152,945	1.6%
Pacific Southwest	4,917	4,810	2.2%	35,896	34,626	3.7%	284,190	284,903	-0.3%
Total United States ^{1/}	<u>72,338</u>	<u>75,345</u>	-4.0%	<u>535,436</u>	<u>549,915</u>	<u>-2.6%</u>	4,011,914	3,998,647	0.3%
Coal Regions Only ^{2/}	61,562	64,855	-5.1%	455,146	473,613	-3.9%	3,448,810	3,435,540	0.4%

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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February 20, 2017

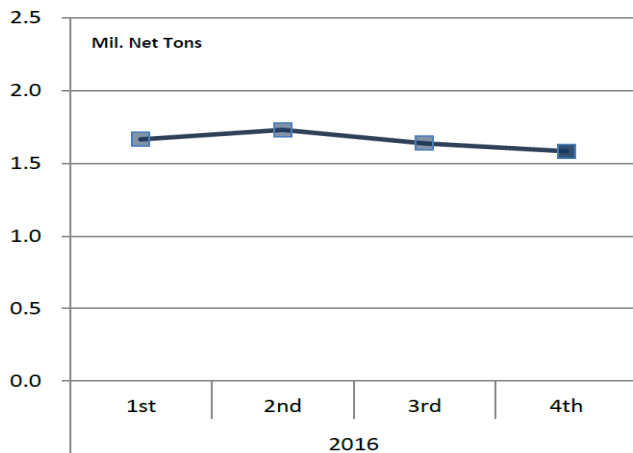
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Feb 18</u>	<u>Feb. 11</u>	
<u>Week Ending</u>				North East	204	212
				Great Lakes	671	662
February 18, 2017	1,766	1.6	74.6	Midwest	172	166
February 18, 2016	1,709	3.3	73.1	Southern	645	628
Febraury 11, 2017	1,738	0.9	73.4	Western	74	70
				Total	1,766	1,738
<u>Year-to-Date +</u>						
February 18, 2017	12,066	4.8	72.7			
February 18, 2016	11,512	-	70.8			

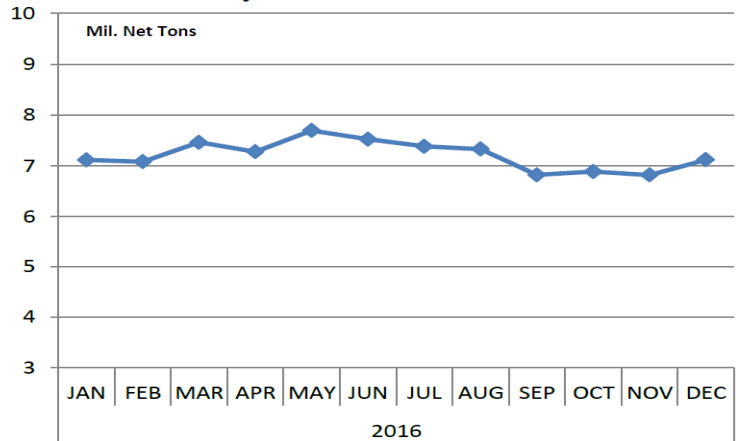
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

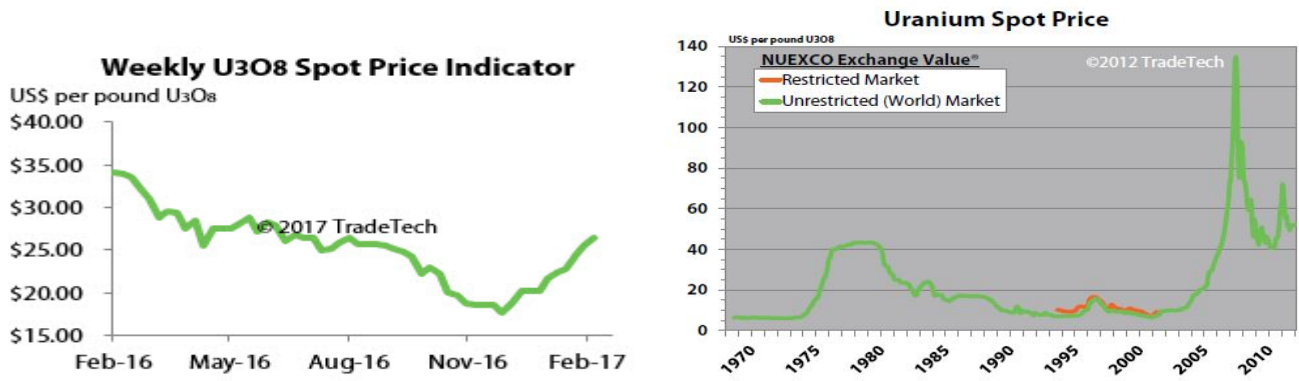


Source: Kitco website - www.kitco.com/connecting.html

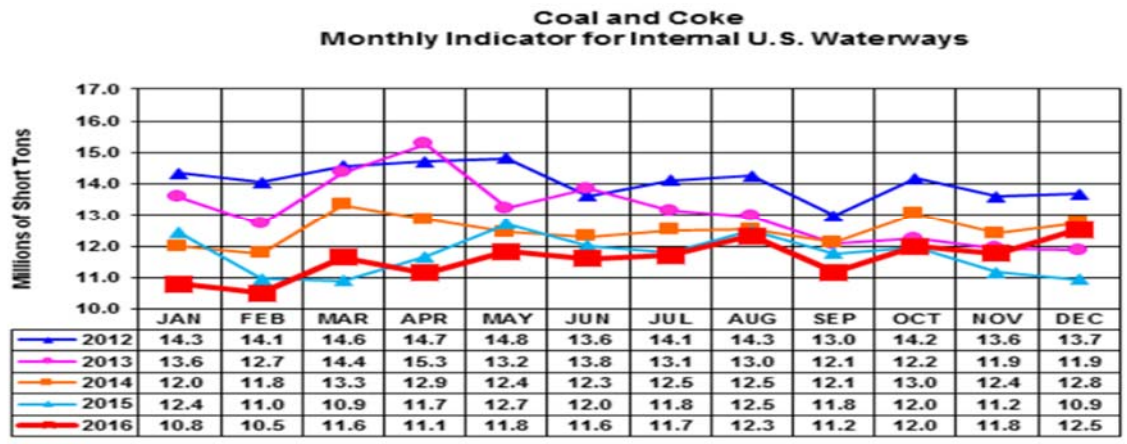


Source: Kitco website - www.kitco.com/connecting.html

Trade Tech's Uranium Price Indicators



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



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.

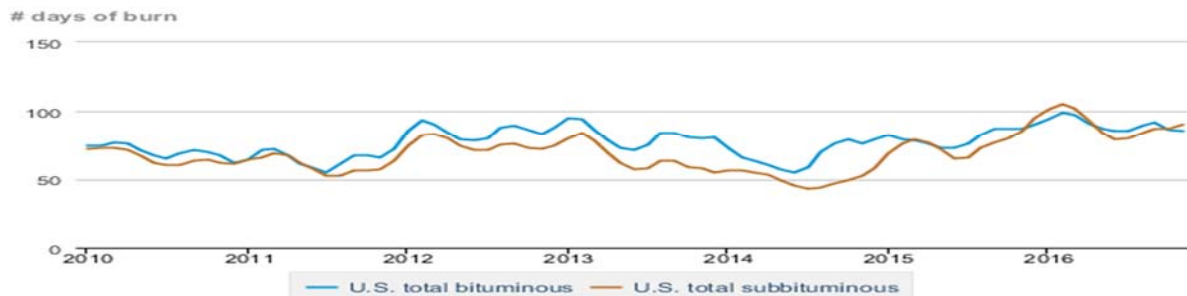
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

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

	Week ending					Week ago
	01/20/17	01/27/17	02/03/17	02/10/17	02/17/17	change
Central Appalachia <i>12,500 Btu, 1.2 SO₂</i>	\$50.00	\$50.00	\$50.05	\$50.05	\$51.60	\$1.55
Northern Appalachia <i>13,000 Btu, < 3.0 SO₂</i>	\$45.75	\$45.75	\$45.80	\$45.80	\$46.25	\$0.45
Illinois Basin <i>11,800 Btu, 5.0 SO₂</i>	\$35.00	\$35.00	\$31.75	\$31.75	\$31.65	\$-0.10
Powder River Basin <i>8,800 Btu, 0.8 SO₂</i>	\$11.80	\$11.80	\$11.80	\$11.80	\$11.50	\$-0.30
Uinta Basin <i>11,700 Btu, 0.8 SO₂</i>	\$41.10	\$41.10	\$41.15	\$41.15	\$40.10	\$-1.05

Source: Energy Information Administration (with permission from SNL), *Coal News and Markets Report*

Days of burn by non-lignite coal rank, January 2009 - November 2016



 Source: U.S. Energy Information Administration

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

Region	Temperature – heating & cooling degree days (week ending Feb 09)					
	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	239	-31	17	0	0	0
Middle Atlantic	221	-37	20	0	0	0
E N Central	254	-29	20	0	0	0
W N Central	274	-17	2	0	0	0
South Atlantic	126	-46	-29	11	4	6
E S Central	132	-40	-41	1	1	1
W S Central	68	-54	-68	15	11	15
Mountain	157	-57	-72	1	0	0
Pacific	91	-17	11	0	0	0
United States	178	-34	-7	4	3	3

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	November 2016		November 2015		% Change of Stocks	October 2016		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	5,891	77	8,032	89	-26.6%	5,646	84	4.3%
	Subbituminous	153	63	708	147	-78.4%	136	69	11.9%
South	Bituminous	30,741	82	37,019	91	-17.0%	27,996	83	9.8%
	Subbituminous	6,491	75	7,584	84	-14.4%	6,039	73	7.5%
Midwest	Bituminous	17,154	90	17,550	82	-2.3%	16,909	94	1.4%
	Subbituminous	45,254	85	45,375	74	-0.3%	43,096	84	5.0%
West	Bituminous	6,099	93	5,785	78	5.4%	5,859	84	4.1%
	Subbituminous	34,098	102	39,044	104	-12.7%	31,312	95	8.9%
U.S. Total	Bituminous	59,885	85	68,386	87	-12.4%	56,410	86	6.2%
	Subbituminous	85,996	90	92,710	85	-7.2%	80,583	87	6.7%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

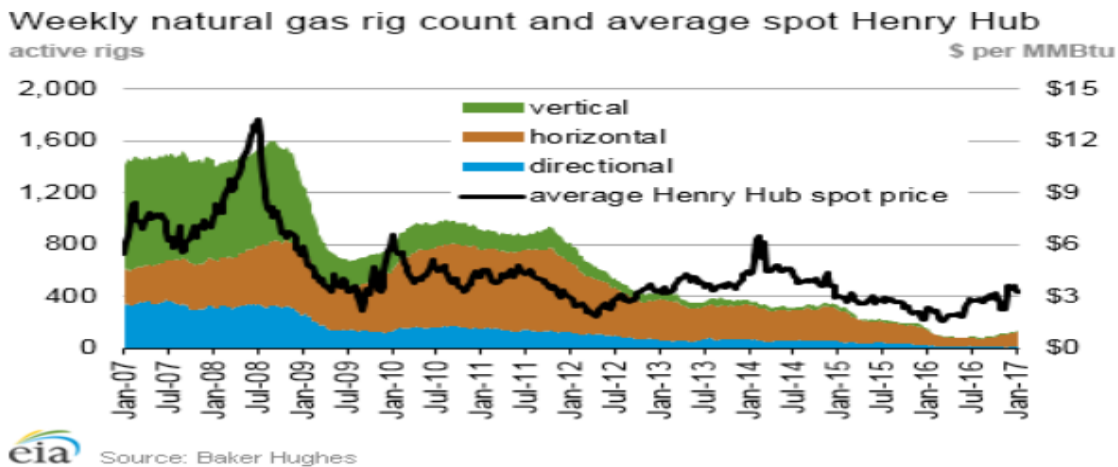
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2017-02-10	2017-02-03	change
East	479	520	-41
Midwest	642	685	-43
Mountain	150	155	-5
Pacific	205	208	-3
South Central	969	991	-22
Total	2,445	2,559	-114

Source: U.S. Energy Information Administration

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

EIA Natural Gas Rig Count and Price Trend



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		
	February 2017	March 2017	change	February 2017	March 2017	change
Bakken	987	990	12	1,424	1,455	31
Eagle Ford	1,428	1,438	10	4,436	4,518	82
Haynesville	31	32	1	7,011	7,112	101
Marcellus	69	70	1	12,865	13,028	163
Niobrara	1,285	1,305	20	4,156	4,266	110
Permian	660	668	8	1,097	1,107	10
Utica	110	102	(8)	10,371	10,472	101
Rig-weighted average	699	713	14	3,500	3,509	9

Source: Energy Information Administration, *Drilling Productivity Report*