

National Mining Association

Weekly Statistical Summary

March 3, 2017 Edition
(Data for Week Ending February 25, 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		
	02/25/17	02/20/16	% Chng	02/25/17	02/25/16	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,658	14,134	10.8%	128,306	110,338	16.3%
52 Weeks Ended	766,537	855,956	-10.4%			
AAR Coal Rail Cars Loaded:	84,822	76,571	10.8%	695,040	598,214	16.2%
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		% Chng	Jan - Dec 16/15		% 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		
	02/25/17	02/27/16	% Chng	02/25/17	02/27/16	% Chng
EI Electric Total Output (Mil. Kwh)	68,347	71,892	-4.9%	603,783	621,808	-2.9%
EI Coal Region Output (Mil. Kwh)	57,867	61,587	-6.0%	513,013	535,200	-4.1%
AISI Raw Steel Output (000 Tons)	1,770	1,709	3.6%	13,836	13,221	4.7%

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)	
	02/24/17	02/17/17	% Chng	Wed.	02/22/17
Central App, 12,500 Btu, 1.2 SO ₂	\$51.60	\$51.60	0.0%	Henry Hub	2.53
Northern App, 13,000 Btu, < 3.0 SO ₂	46.25	46.25	0.0%	New York	2.10
Illinois Basin, 11,800, 5.0 SO ₂	31.65	31.65	0.0%	Chicago	2.59
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.50	11.50	0.0%	Cal.Comp.Avg.	2.63
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.10	40.10	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		
	2/25/2017 (week 8)	2/18/2017 (week 7)	2/20/2016 (week 8)	2/25/2017	2/25/2016	% Change	2/25/2017	2/20/2016	% Change
Alabama	180	194	200	1,474	1,560	-5.5	8,889	12,221	-27.3
Alaska	28	27	25	218	197	10.2	1,107	1,201	-7.8
Arizona	115	122	109	933	851	9.6	5,598	6,547	-14.5
Arkansas	1	1	1	8	7	12.6	45	85	-47.1
Coloradc	194	229	203	1,661	1,583	4.9	11,633	17,223	-32.5
Illinois	1,006	1,048	925	8,097	7,220	12.1	46,682	52,879	-11.7
Indiana	650	702	590	5,325	4,607	15.6	30,496	32,920	-7.4
Kansas	3	3	2	21	17	21.6	74	183	-59.6
Kentucky Total	907	947	927	7,337	7,235	1.4	44,548	58,081	-23.3
Eastern (KY)	334	349	374	2,710	2,923	-7.3	17,338	26,157	-33.7
Western (KY)	572	598	552	4,627	4,313	7.3	27,210	31,925	-14.8
Louisiana	59	66	54	491	419	17.3	2,963	3,373	-12.2
Maryland	30	31	29	244	229	6.5	1,523	1,802	-15.5
Mississippi	67	67	63	529	491	7.7	3,003	3,131	-4.1
Missouri	5	6	3	43	26	62.1	227	138	64.5
Montana	631	650	607	5,089	4,737	7.4	32,657	39,747	-17.8
New Mexicc	278	344	351	2,474	2,739	-9.7	14,712	19,891	-26.0
North Dakota	711	766	589	5,820	4,597	26.6	30,991	28,625	8.3
Ohio	329	338	318	2,636	2,484	6.1	14,550	16,373	-11.1
Oklahoma	15	17	14	125	107	17.5	694	758	-8.4
Pennsylvania Tota	987	1,111	844	8,239	6,589	25.0	47,405	48,839	-2.9
Anthracite (PA)	39	41	35	318	275	15.8	1,854	2,108	-12.0
Bituminous (PA)	948	1,069	809	7,920	6,314	25.4	45,551	46,730	-2.5
Tennessee	19	18	19	148	147	0.3	799	910	-12.2
Texas	1,081	1,135	810	8,734	6,324	38.1	44,821	36,987	21.2
Utah	339	375	275	2,809	2,144	31.0	14,934	14,251	4.8
Virginia	317	350	261	2,622	2,036	28.8	14,399	13,934	3.3
West Virginia Total	1,795	1,911	1,573	14,629	12,282	19.1	84,648	90,724	-6.7
Northern (WV)	1,028	1,111	840	8,445	6,559	28.8	47,462	45,889	3.4
Southern (WV)	768	800	733	6,183	5,723	8.0	37,186	44,835	-17.1
Wyoming	5,912	6,329	5,343	48,600	41,709	16.5	309,138	355,133	-13.0
Appalachian Tota	3,993	4,302	3,619	32,702	28,249	15.8	189,551	210,959	-10.1
Interior Total	3,459	3,641	3,014	28,000	23,530	19.0	156,215	162,380	-3.8
Western Total	8,207	8,842	7,501	67,604	58,559	15.4	420,771	482,617	-12.8
East of Mississippi River	6,288	6,716	5,749	51,280	44,880	14.3	296,942	331,814	-10.5
West of Mississippi River	9,370	10,069	8,385	77,026	65,458	17.7	469,595	524,142	-10.4
Bituminous and Lignite	15,619	16,744	14,099	127,987	110,063	16.3	764,683	853,848	-10.4
Anthracite	39	41	35	318	275	15.8	1,854	2,108	-12.0
U.S. Total	15,658	16,785	14,134	128,306	110,338	16.3	766,537	855,956	-10.4
Railroad Cars Loaded	84,822	90,927	76,571	695,040	598,214	16.2	4,264,807	4,889,973	-12.8

Source: Energy Information Administration

Prepared by EEI's Business Information Group



WEEKLY ELECTRIC OUTPUT

Volume 85 No. 8

OUTPUT FOR WEEK ENDED - Feb 25, 2017

Mar 01, 2017

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Feb 25, 2017 was **68,347** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **148** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended February 25		52 Weeks Ended February 25	
	GWh Output	% Increase Over Corresponding Week of 2016	GWh Output	% Increase Over Corresponding Period of 2016
New England	2,147	-7.5	123,298	-1.2
Mid-Atlantic	7,191	-9.5	433,189	-0.7
Central Industrial	11,803	-9.0	671,818	0.9
West Central	5,647	-3.1	329,545	0.5
Southeast	16,762	-8.8	1,018,716	0.6
South Central	11,670	-1.5	715,700	1.9
Rocky Mountain	4,794	3.6	276,121	-0.7
Pacific Northwest	3,484	10.1	155,761	1.9
Pacific Southwest	4,849	0.6	284,220	-0.2
Total United States	68,347	-4.9	4,008,368	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)
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 25	68,347	Feb 27	71,892	-4.9	Feb 25	4,008,368	0.6
Feb 25	603,783	Feb 27	621,808	-2.9	YEAR TO DATE, FIRST 8 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2017	Week Ended	2016	Week Ended	2015
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
Feb 25	148	Feb 27	171	Feb 28	198

* 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		
	25-Feb 2017 GWh Output	27-Feb 2016 GWh Output	% Increase Over Corresponding Week of 2016	25-Feb 2017 GWh Output	27-Feb 2016 GWh Output	% Increase Over Corresponding Week of 2016	25-Feb 2017 GWh Output	27-Feb 2016 GWh Output	% Increase Over Corresponding Week of 2016
New England	2,147	2,321	-7.5%	19,226	19,899	-3.4%	123,298	124,849	-1.2%
Mid-Atlantic	7,191	7,950	-9.5%	66,318	69,211	-4.2%	433,189	436,404	-0.7%
Central Industrial	11,803	12,969	-9.0%	104,673	109,690	-4.6%	671,818	665,544	0.9%
West Central	5,647	5,825	-3.1%	50,070	51,279	-2.4%	329,545	327,751	0.5%
Southeast	16,762	18,375	-8.8%	150,663	163,910	-8.1%	1,018,716	1,012,661	0.6%
South Central	11,670	11,842	-1.5%	98,897	99,531	-0.6%	715,700	702,231	1.9%
Rocky Mountain	4,794	4,626	3.6%	42,392	41,579	2.0%	276,121	277,935	-0.7%
Pacific Northwest	3,484	3,165	10.1%	30,799	27,263	13.0%	155,761	152,892	1.9%
Pacific Southwest	4,849	4,819	0.6%	40,745	39,445	3.3%	284,220	284,878	-0.2%
Total United States ^{1/}	<u>68,347</u>	<u>71,892</u>	-4.9%	<u>603,783</u>	<u>621,807</u>	<u>-2.9%</u>	4,008,368	3,985,145	0.6%
Coal Regions Only ^{2/}	57,867	61,587	-6.0%	513,013	535,200	-4.1%	3,445,089	3,422,526	0.7%

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 27, 2017

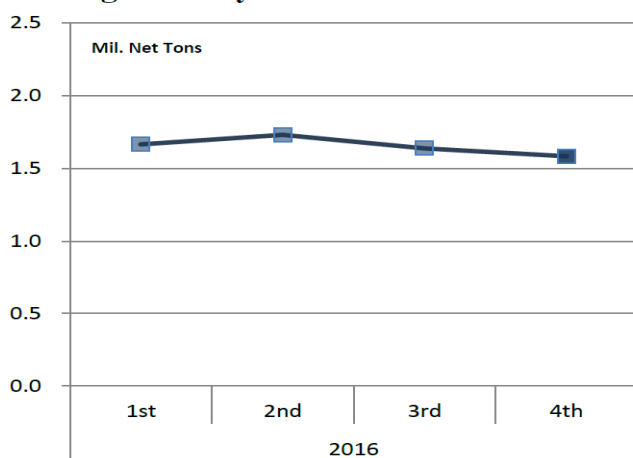
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 25</u>	<u>Feb. 18</u>	
<u>Week Ending</u>				North East	205	204
				Great Lakes	694	671
February 25, 2017	1,770	0.2	74.7	Midwest	170	172
February 25, 2016	1,709	3.6	73.1	Southern	629	645
February 18, 2017	1,766	1.6	74.6	Western	<u>72</u>	<u>74</u>
				Total	1,770	1,766
<u>Year-to-Date +</u>						
February 25, 2017	13,836	4.7	73.0			
February 25, 2016	13,221	-	70.8			

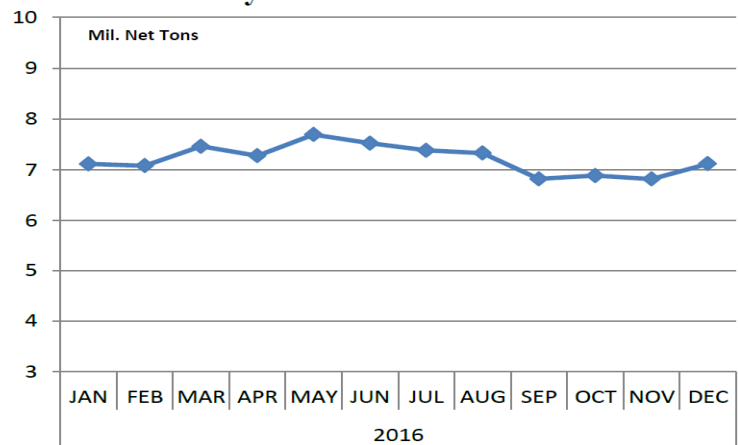
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

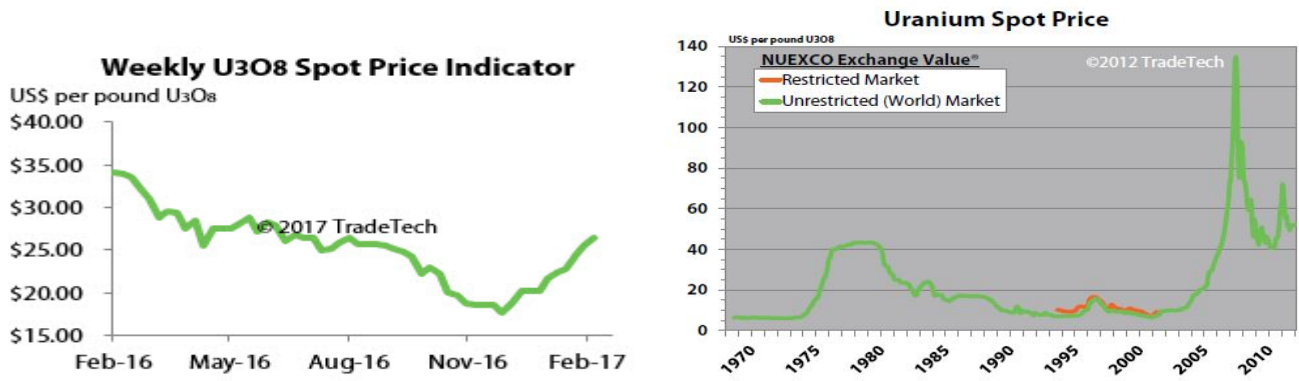


Source: Kitco website - www.kitco.com/connecting.html

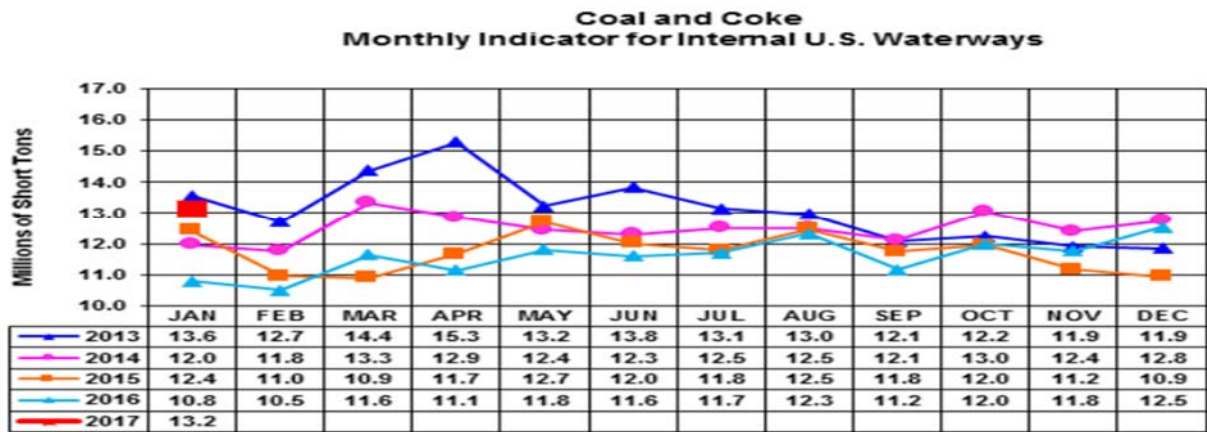


Source: Kitco website - www.kitco.com/connecting.html

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.

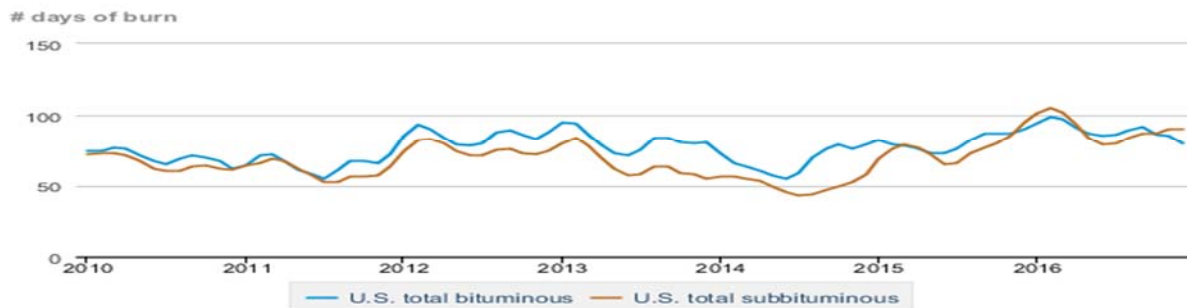
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	01/27/17	02/03/17	02/10/17	02/17/17	02/24/17	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$50.00	\$50.05	\$50.05	\$51.60	\$51.60	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.75	\$45.80	\$45.80	\$46.25	\$46.25	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$35.00	\$31.75	\$31.75	\$31.65	\$31.65	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.80	\$11.80	\$11.80	\$11.50	\$11.50	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.10	\$41.15	\$41.15	\$40.10	\$40.10	\$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 - December 2016



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Feb 16)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	278	16	-55	0	0	0
Middle Atlantic	229	-20	-83	0	0	0
E N Central	210	-60	-128	0	0	0
W N Central	186	-88	-116	0	0	0
South Atlantic	129	-34	-95	9	2	6
E S Central	110	-51	-98	2	2	2
W S Central	58	-53	-15	13	9	10
Mountain	149	-55	9	1	0	-2
Pacific	84	-20	49	0	0	0
United States	159	-43	-61	3	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	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)



eia 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	December 2016		December 2015		% Change of Stocks	November 2016		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	5,484	66	8,431	92	-35.0%	5,971	77	-8.2%
	Subbituminous	98	36	675	174	-85.5%	153	63	-35.8%
South	Bituminous	29,868	77	38,367	94	-22.2%	30,726	82	-2.8%
	Subbituminous	5,978	68	8,145	97	-26.6%	6,491	75	-7.9%
Midwest	Bituminous	16,279	87	18,555	88	-12.3%	17,154	90	-5.1%
	Subbituminous	44,048	87	48,508	82	-9.2%	45,254	85	-2.7%
West	Bituminous	5,868	98	5,331	77	10.1%	6,099	93	-3.8%
	Subbituminous	31,244	100	40,914	116	-23.6%	34,098	102	-8.4%
U.S. Total	Bituminous	57,499	80	70,685	90	-18.7%	59,950	85	-4.1%
	Subbituminous	81,369	90	98,241	95	-17.2%	85,996	90	-5.4%

Source: Energy Information Administration, *Electricity Monthly Update*

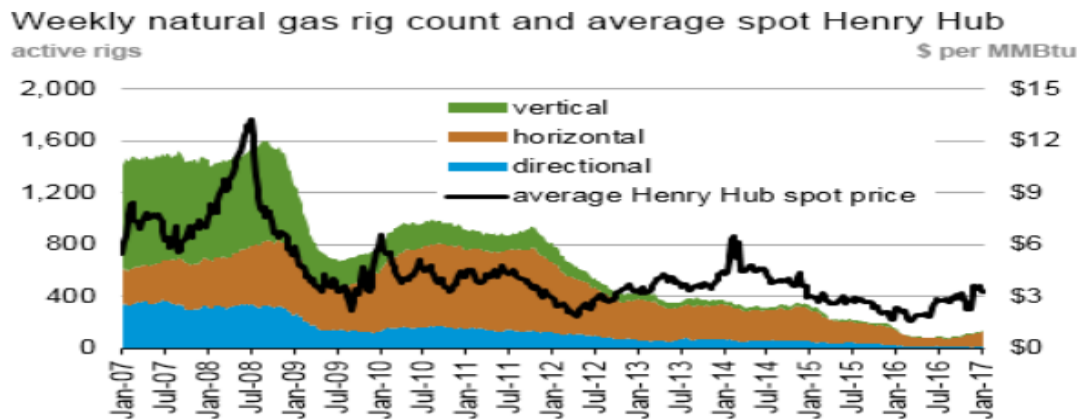
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2017-02-17	2017-02-10	change
East	431	479	-48
Midwest	612	642	-30
Mountain	146	150	-4
Pacific	206	205	1
South Central	961	969	-8
Total	2,356	2,445	-89

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		
	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*