

National Mining Association

Weekly Statistical Summary

March 30, 2018 Edition
(Data for Week Ending March 24, 2018)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 56, No. 12
Dated 03/30/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/24/18	03/25/17	% Chng	03/24/18	03/24/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,460	14,425	7.2%	176,399	182,727	-3.5%
52 Weeks Ended	764,098	760,274	0.5%			
AAR Coal Rail Cars Loaded:	87,348	79,422	10.0%	997,701	1,006,088	-0.8%
Coal Production Month Ended - February	Feb 18/17		% Chng	Jan - Feb 18/17		% Chng
	61,308	64,354	-4.7%	124,421	132,732	-6.3%
DOC Coal Trade (000 Tons)						
Exports:	Jan 18/17		% Chng	Jan - Jan 18/17		% Chng
Metallurgical	4,572	4,315	6.0%	4,572	4,315	6.0%
Steam *	4,193	3,055	37.3%	4,193	3,055	37.3%
Lignite	7	6	16.7%	7	6	16.7%
Anthracite	5	13	-61.5%	5	13	-61.5%
Total	8,777	7,389	18.8%	8,777	7,389	18.8%
Imports:	500	743	-32.7%	500	743	-32.7%
	Week Ended			Cumulative Week 1 to		
	03/24/18	03/25/17	% Chng	03/24/18	03/25/17	% Chng
EI Electric Total Output (Mil. Kwh)	71,792	70,146	2.3%	934,678	891,602	4.8%
EI Coal Region Output (Mil. Kwh)	61,494	59,930	2.6%	805,472	759,037	6.1%
AISI Raw Steel Output (000 Tons)	1,803	1,716	5.1%	20,816	20,653	0.8%

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)	
	03/23/18	03/16/18	% Chng	Wed.	03/21/18
Central App, 12,500 Btu, 1.2 SO ₂	\$63.00	\$63.00	0.0%	Henry Hub	2.70
Northern App, 13,000 Btu, < 3.0 SO ₂	46.45	46.45	0.0%	New York	2.90
Illinois Basin, 11,800, 5.0 SO ₂	33.20	33.20	0.0%	Chicago	2.57
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.40	12.40	0.0%	Cal.Comp.Avg.	2.30
Uinta Basin, 11,700 Btu, 0.8 SO ₂	42.15	42.15	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: EIA; 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

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	3/24/2018 (week 12)	3/17/2018 (week 11)	3/25/2017 (week 12)	3/24/2018	3/24/2017	% Change	3/24/2018	3/25/2017	% Change
Alabama	288	298	240	3,350	3,036	10.3	12,868	10,552	21.9
Alaska	17	17	19	192	240	-20.2	824	902	-8.6
Arizona	120	122	122	1,375	1,546	-11.1	5,708	5,808	-1.7
Arkansas	1	1	1	10	9	8.1	36	49	-26.5
Colorado	356	344	277	4,093	3,509	16.6	16,108	13,967	15.3
Illinois	994	1,010	928	11,480	11,762	-2.4	47,522	45,553	4.3
Indiana	628	630	614	7,211	7,777	-7.3	30,526	30,256	0.9
Kansas	3	.
Kentucky Total	864	852	838	9,909	10,612	-6.6	42,094	43,516	-3.3
Eastern (KY)	391	381	341	4,520	4,324	4.5	18,531	17,090	8.4
Western (KY)	474	471	496	5,389	6,288	-14.3	23,563	26,426	-10.8
Louisiana	51	54	70	572	886	-35.4	2,018	3,114	-35.2
Maryland	36	34	28	413	352	17.2	1,833	1,618	13.3
Mississippi	55	54	54	635	687	-7.5	2,710	2,884	-6.0
Missouri	5	5	4	53	55	-3.2	250	253	-1.2
Montana	630	602	530	7,129	6,717	6.1	34,197	32,573	5.0
New Mexico	287	283	274	3,275	3,472	-5.7	13,404	13,063	2.6
North Dakota	539	526	530	6,125	6,709	-8.7	27,470	28,544	-3.8
Ohio	149	145	166	1,699	2,104	-19.3	8,420	11,242	-25.1
Oklahoma	9	9	9	108	112	-3.8	534	620	-13.9
Pennsylvania Total	1,012	993	922	11,572	11,681	-0.9	49,360	48,562	1.6
Anthracite (PA)	39	38	38	445	484	-8.0	1,768	1,761	0.4
Bituminous (PA)	973	955	884	11,127	11,197	-0.6	47,591	46,801	1.7
Tennessee	9	9	11	102	141	-27.9	435	606	-28.2
Texas	629	614	640	7,132	8,103	-12.0	34,019	38,445	-11.5
Utah	260	256	258	2,969	3,268	-9.2	13,134	14,307	-8.2
Virginia	276	275	272	3,159	3,447	-8.4	13,534	13,996	-3.3
West Virginia Total	1,891	1,924	1,734	21,782	21,965	-0.8	90,067	85,061	5.9
Northern (WV)	937	938	927	10,726	11,747	-8.7	44,894	46,315	-3.1
Southern (WV)	954	986	807	11,056	10,218	8.2	45,173	38,746	16.6
Wyoming	6,354	6,155	5,884	72,055	74,539	-3.3	317,027	314,779	0.7
Appalachian Total	4,051	4,059	3,714	46,596	47,049	-1.0	195,047	188,727	3.3
Interior Total	2,847	2,847	2,817	32,591	35,679	-8.7	141,179	147,604	-4.4
Western Total	8,562	8,305	7,894	97,212	99,999	-2.8	427,872	423,943	0.9
East of Mississippi River	6,202	6,224	5,807	71,311	73,563	-3.1	299,368	293,846	1.9
West of Mississippi River	9,258	8,987	8,618	105,088	109,165	-3.7	464,730	466,428	-0.4
Bituminous and Lignite	15,421	15,173	14,387	175,954	182,244	-3.5	762,330	758,513	0.5
Anthracite	39	38	38	445	484	-8.0	1,768	1,761	0.4
U.S. Total	15,460	15,211	14,425	176,399	182,727	-3.5	764,098	760,274	0.5
Railroad Cars Loaded	87,348	85,939	79,422	997,701	1,006,088	-0.8	4,410,840	4,303,984	2.5

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 12

OUTPUT FOR WEEK ENDED - Mar 24, 2018

Mar 28, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Mar 24, 2018 was 71,792 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 178 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended March 24		52 Weeks Ended March 24	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,273	-1.2	120,925	-2.4
Mid-Atlantic	8,032	3.7	429,500	-1.3
Central Industrial	12,770	4.2	665,615	-1.2
West Central	5,767	1.8	329,425	-0.2
Southeast	17,946	6.6	1,031,972	1.0
South Central	12,456	-2.6	738,966	2.9
Rocky Mountain	4,523	-2.6	277,158	0.2
Pacific Northwest	3,256	4.3	157,390	0.5
Pacific Southwest	4,769	-0.5	282,067	-0.5
Total United States	71,792	2.3	4,033,018	0.3

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Mar 03	71,725	Mar 04	71,589	0.2	Mar 03	4,031,196	0.6
Mar 10	73,613	Mar 11	71,563	2.9	Mar 10	4,033,245	0.5
Mar 17	72,648	Mar 18	74,521	-2.5	Mar 17	4,031,372	0.3
Mar 24	71,792	Mar 25	70,146	2.3	Mar 24	4,033,018	0.3
Mar 24	934,678	Mar 25	891,602	4.8	YEAR TO DATE, FIRST 12 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Mar 03	166	Mar 04	155	Mar 05	172
Mar 10	172	Mar 11	156	Mar 12	175
Mar 17	179	Mar 18	173	Mar 19	175
Mar 24	178	Mar 25	163	Mar 26	168

* 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		
	24-Mar 2018 GWh Output	25-Mar 2017 GWh Output	% Increase Over Corresponding Week of 2017	24-Mar 2018 GWh Output	25-Mar 2017 GWh Output	% Increase Over Corresponding Week of 2017	24-Mar 2018 GWh Output	25-Mar 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,273	2,300	-1.2%	28,963	28,623	1.2%	120,925	123,845	-2.4%
Mid-Atlantic	8,032	7,745	3.7%	102,826	98,299	4.6%	429,500	435,275	-1.3%
Central Industrial	12,770	12,251	4.2%	162,592	155,249	4.7%	665,615	673,886	-1.2%
West Central	5,767	5,666	1.8%	76,589	73,114	4.8%	329,425	330,071	-0.2%
Southeast	17,946	16,827	6.7%	242,312	223,385	8.5%	1,031,972	1,022,207	1.0%
South Central	12,456	12,795	-2.6%	160,896	147,575	9.0%	738,966	718,215	2.9%
Rocky Mountain	4,523	4,646	-2.6%	60,257	61,415	-1.9%	277,158	276,735	0.2%
Pacific Northwest	3,256	3,122	4.3%	41,776	43,922	-4.9%	157,390	156,676	0.5%
Pacific Southwest	4,769	4,794	-0.5%	58,466	60,020	-2.6%	282,067	283,517	-0.5%
Total United States ^{1/}	<u>71,792</u>	<u>70,146</u>	2.3%	<u>934,677</u>	<u>891,602</u>	4.8%	4,033,018	4,020,427	0.3%
Coal Regions Only ^{2/}	61,494	59,930	2.6%	805,472	759,037	6.1%	3,472,636	3,456,389	0.5%

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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March 26, 2018

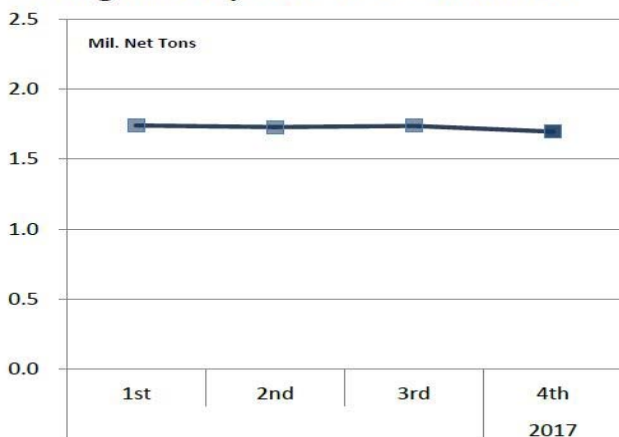
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Mar 24</u>	<u>Week Ending Mar 17</u>	
<u>Week Ending</u>				North East	200	218
				Great Lakes	676	672
March 24, 2018	1,803	-1.3	77.4	Midwest	170	164
March 24, 2017	1,716	5.1	73.6	Southern	686	707
March 17, 2018	1,826	0.7	78.3	Western	71	65
				Total	1,803	1,826
<u>Year-to-Date +</u>						
March 24, 2018	20,816	0.8	75.3			
March 24, 2017	20,653	-	74.6			

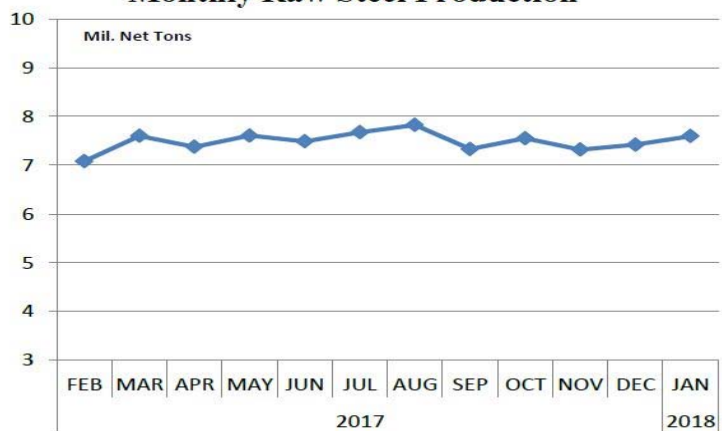
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 first quarter 2018 is approximately 30.0 million net tons vs. 30.0 million net tons for the same period last year, and 30.6 million tons for the fourth 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 12, 2018 – Ended March 24, 2018

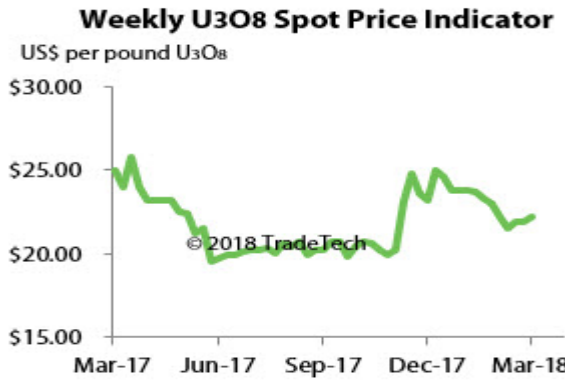
	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	265,756	2.5%	3,030,729	252,561	-0.5%
Chemicals	33,788	5.5%	384,958	32,080	3.0%
Coal	87,348	10.1%	1,006,323	83,860	-1.0%
Farm Products excl. Grain, and Food	16,873	0.2%	192,813	16,068	-0.8%
Forest Products	10,092	-3.2%	119,852	9,988	0.7%
Grain	23,570	1.1%	266,201	22,183	-4.4%
Metallic Ores and Metals	22,328	0.5%	250,269	20,856	1.0%
Motor Vehicles and Parts	16,675	-9.3%	195,127	16,261	-6.9%
Nonmetallic Minerals	35,776	1.9%	380,313	31,693	2.1%
Petroleum and Petroleum Products	9,889	-6.6%	123,309	10,276	3.8%
Other	9,417	-13.8%	111,564	9,297	-4.0%
Total Intermodal Units	260,765	0.3%	3,227,100	268,925	5.7%
Total Traffic	526,521	1.4%	6,257,829	521,486	2.6%

¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

² Average per week figures may not sum to totals as a result of independent rounding.

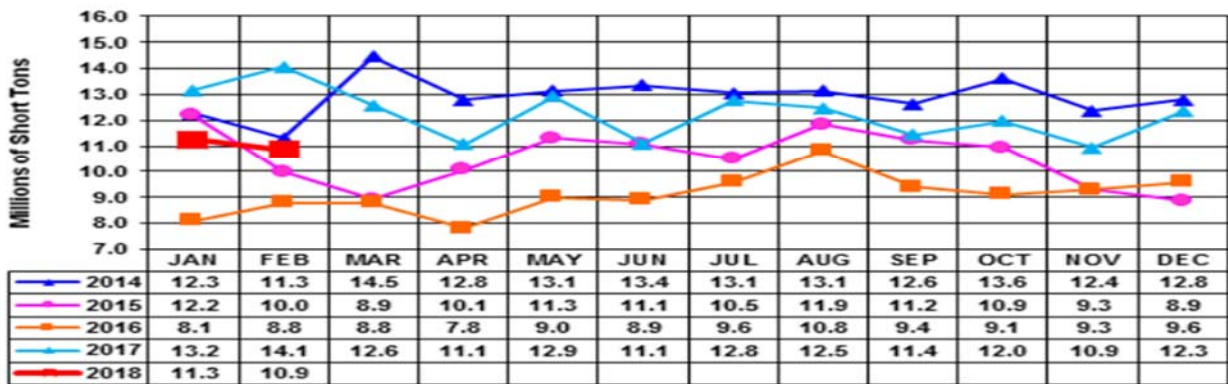
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's Uranium Price Indicators



Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Ux Consulting Co., LLC – <http://www.uxc.com>

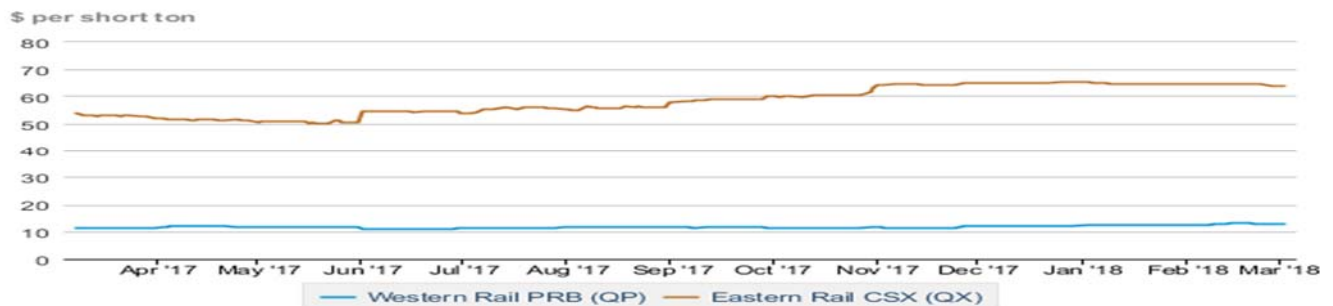
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

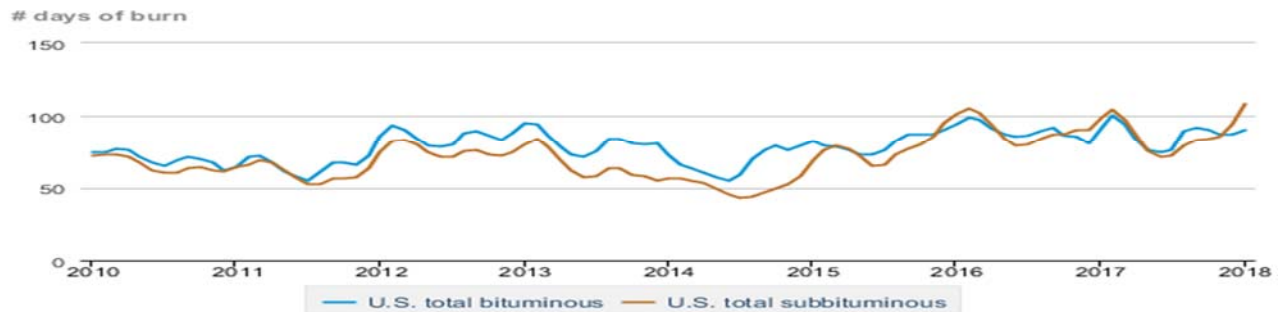
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	02/23/18	03/02/18	03/09/18	03/16/18	03/23/18	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$63.10	\$63.10	\$63.10	\$63.00	\$63.00	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$47.05	\$47.05	\$47.05	\$46.45	\$46.45	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$33.60	\$33.20	\$33.20	\$33.20	\$33.20	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.40	\$12.40	\$12.40	\$12.40	\$12.40	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$42.10	\$42.10	\$42.10	\$42.15	\$42.15	\$0.00

Source: Energy Information Administration (with permission from SNL), *Coal Market Report*

Days of burn by non-lignite coal rank, January 2009 - January 2018



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Mar 15)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	204	-6	-71	0	0	0
Middle Atlantic	215	19	-41	0	0	0
E N Central	203	-3	-66	0	0	0
W N Central	200	-5	-73	0	-1	0
South Atlantic	141	24	-16	6	-4	-4
E S Central	126	16	-27	0	-4	0
W S Central	51	-17	-20	9	-1	-1
Mountain	162	-1	62	0	-1	-9
Pacific	94	2	65	0	-1	0
United States	158	3	-20	2	-2	-1

Note: HDD = heating degree day; CDD = cooling degree day

Source: National Oceanic and Atmospheric Administration

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

USGS Production of Selected Mineral Commodities	2017 Year to Date - 3rd Quarter	2016 Year to Date - 3rd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	730.0	723.0	1%
Cement (Mil. Mt.)	63.2	62.2	2%
Copper (000 Mt.)	956.0	1,080.0	-11%
Gold (Mt.)	185.0	163.0	13%
Gypsum (Mil. Mt.)	12.4	12.4	0%
Iron Ore (Mil. Mt.)	34.5	29.3	18%
Lead (000 Mt.)	227.0	260.0	-13%
Molybdenum (000 Mt.)	29.8	25.7	16%
Phosphate rock (Mil. Mt.)	20.7	20.6	0%
Sand & gravel, construction (Mil. Mt.)	673.0	680.0	-1%
Silver (Mt.)	771.0	856.0	-10%
Soda ash (Mil. Mt.)	8.8	8.8	0%
Stone, crushed (Mil. Mt.)	1,010.0	1,030.0	-2%
Zinc (000 Mt.)	534.0	596.0	-10%

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)



eia Source: Natural Gas Intelligence

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

EIA Coal Stocks and Average Number of Days of Burn (Power Sector)

Zone	Coal	January 2018		January 2017		% Change of Stocks	December 2017		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,314	85	5,177	74	-36.0%	3,813	72	-13.1%
	Subbituminous	62	26	96	30	-35.6%	111	53	-44.5%
South	Bituminous	21,718	88	29,558	90	-26.5%	26,563	91	-18.2%
	Subbituminous	4,676	61	5,760	76	-18.8%	5,305	61	-11.9%
Midwest	Bituminous	11,259	81	15,826	96	-28.9%	12,933	79	-12.9%
	Subbituminous	34,154	117	41,860	96	-18.4%	37,203	96	-8.2%
West	Bituminous	4,943	127	5,583	103	-11.5%	5,056	100	-2.2%
	Subbituminous	25,660	111	29,698	108	-13.6%	26,202	100	-2.1%
U.S. Total	Bituminous	41,433	90	56,144	92	-26.2%	48,564	87	-14.7%
	Subbituminous	64,551	108	77,414	99	-16.6%	68,821	94	-6.2%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

Working gas in underground storage

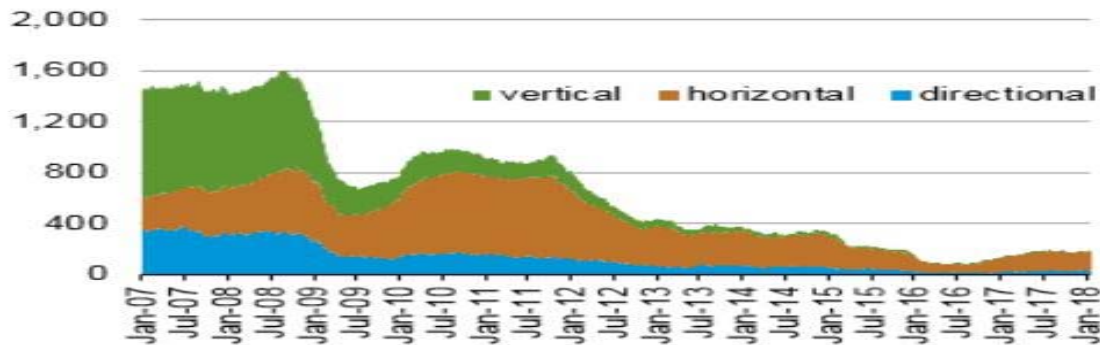
Region	Stocks billion cubic feet (Bcf)		
	2018-03-16	2018-03-09	change
East	270	314	-44
Midwest	315	350	-35
Mountain	90	93	-3
Pacific	169	169	0
South Central	602	606	-4
Total	1,446	1,532	-86

Source: U.S. Energy Information Administration

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

EIA Natural Gas Rig Count

Weekly natural gas rig count
active rigs



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		
	March 2018	April 2018	change	March 2018	April 2018	change
Anadarko	397	402	5	2,717	2,736	19
Appalachia	146	146	-	15,241	15,441	200
Bakken	1,429	1,454	25	1,732	1,757	25
Eagle Ford	1,345	1,407	62	5,410	5,737	327
Haynesville	24	23	(1)	8,353	8,358	5
Niobrara	1,208	1,225	17	4,397	4,434	37
Permian	635	635	-	1,186	1,186	-
Total	663	673	10	3,752	3,769	17

Source: Energy Information Administration, *Drilling Productivity Report*