

National Mining Association

Weekly Statistical Summary

April 27, 2018 Edition
(Data for Week Ending April 21, 2018)

Prepared by
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NMA Weekly Statistical Summary

Vol. 56, No. 16
Dated 04/27/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/21/18	04/22/17	% Chng	04/21/18	04/21/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,117	13,743	2.7%	232,755	238,892	-2.6%
52 Weeks Ended	766,195	770,263	-0.5%			
AAR Coal Rail Cars Loaded:	80,608	76,864	4.9%	1,318,303	1,318,971	-0.1%
Coal Production Month Ended - March	Mar 18/17		% Chng	Jan - Mar 18/17		% Chng
	66,676	64,301	3.7%	191,097	197,033	-3.0%
DOC Coal Trade (000 Tons)						
Exports:	Feb 18/17		% Chng	Jan - Feb 18/17		% Chng
Metallurgical	5,332	3,776	41.2%	9,904	8,092	22.4%
Steam *	3,670	3,083	19.0%	7,863	6,137	28.1%
Lignite	9	9	0.0%	16	15	6.7%
Anthracite	15	47	-68.1%	20	60	-66.7%
Total	9,026	6,915	30.5%	17,803	14,304	24.5%
Imports:	349	612	-43.0%	849	1,355	-37.3%
	Week Ended			Cumulative Week 1 to		
	04/21/18	04/22/17	% Chng	04/21/18	04/22/17	% Chng
EI Electric Total Output (Mil. Kwh)	69,190	68,816	0.5%	1,215,862	1,166,328	4.2%
EI Coal Region Output (Mil. Kwh)	59,617	59,076	0.9%	1,047,152	994,409	5.3%
AISI Raw Steel Output (000 Tons)	1,788	1,721	3.9%	27,969	27,531	1.6%

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)	
	04/20/18	04/13/18	% Chng	Wed.	04/18/18
Central App, 12,500 Btu, 1.2 SO ₂	\$61.45	\$61.45	0.0%	Henry Hub	2.84
Northern App, 13,000 Btu, < 3.0 SO ₂	45.05	45.05	0.0%	New York	3.05
Illinois Basin, 11,800, 5.0 SO ₂	32.70	32.70	0.0%	Chicago	3.16
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.45	12.45	0.0%	Cal.Comp.Avg.	2.33
Uinta Basin, 11,700 Btu, 0.8 SO ₂	42.05	42.05	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



EIA Estimated Weekly U.S. Coal Production Overview									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	4/21/2018 (week 16)	4/14/2018 (week 15)	4/22/2017 (week 16)	4/21/2018	4/21/2017	% Change	4/21/2018	4/22/2017	% Change
Alabama	289	261	255	4,441	4,051	9.6	12,970	10,910	18.9
Alaska	18	16	15	260	304	-14.4	914	892	2.5
Arizona	109	105	102	1,817	1,976	-8.1	6,049	5,882	2.8
Arkansas	1	1	1	14	14	1.1	26	50	-48.0
Colorado	282	283	321	5,301	4,762	11.3	15,544	14,438	7.7
Illinois	975	891	944	15,227	15,559	-2.1	47,901	46,249	3.6
Indiana	583	550	560	9,534	10,092	-5.5	30,786	30,602	0.6
Kentucky Total	766	745	835	13,073	13,987	-6.5	41,636	43,950	-5.3
Eastern (KY)	372	366	394	6,072	5,862	3.6	19,029	17,461	9.0
Western (KY)	394	379	441	7,001	8,125	-13.8	22,606	26,489	-14.7
Louisiana	24	28	35	696	1,061	-34.4	1,709	3,096	-44.8
Maryland	33	32	37	548	492	11.4	1,713	1,665	2.9
Mississippi	42	44	61	825	926	-10.9	2,495	2,940	-15.1
Missouri	4	4	5	70	73	-4.0	241	256	-5.9
Montana	696	603	573	9,691	8,988	7.8	35,860	32,983	8.7
New Mexico	261	241	258	4,301	4,530	-5.1	12,935	13,219	-2.1
North Dakota	506	476	484	8,153	8,707	-6.4	28,170	28,655	-1.7
Ohio	144	137	174	2,281	2,798	-18.5	8,797	10,962	-19.8
Oklahoma	9	9	12	147	158	-6.6	549	620	-11.5
Pennsylvania Total	887	847	929	15,174	15,424	-1.6	48,730	49,291	-1.1
Anthracite (PA)	36	34	34	588	625	-5.9	1,842	1,781	3.4
Bituminous (PA)	851	814	895	14,587	14,799	-1.4	46,888	47,510	-1.3
Tennessee	6	7	9	130	179	-27.1	382	596	-35.9
Texas	614	564	618	9,538	10,618	-10.2	35,178	38,382	-8.3
Utah	243	231	250	3,952	4,285	-7.8	13,960	14,336	-2.6
Virginia	242	232	256	4,143	4,498	-7.9	13,317	14,133	-5.8
West Virginia Total	1,807	1,694	1,710	28,903	28,893	s	92,552	86,716	6.7
Northern (WV)	807	781	834	14,039	15,207	-7.7	45,509	46,961	-3.1
Southern (WV)	1,000	913	876	14,864	13,686	8.6	47,043	39,755	18.3
Wyoming	5,576	5,270	5,301	94,537	96,520	-2.1	313,782	319,441	-1.8
Appalachian Total	3,781	3,576	3,764	61,692	62,195	-0.8	197,489	191,734	3.0
Interior Total	2,646	2,471	2,676	43,053	46,625	-7.7	141,493	148,683	-4.8
Western Total	7,691	7,225	7,303	128,011	130,072	-1.6	427,214	429,846	-0.6
East of Mississippi River	5,774	5,440	5,770	94,280	96,897	-2.7	301,278	298,015	1.1
West of Mississippi River	8,343	7,832	7,973	138,476	141,995	-2.5	464,917	472,248	-1.6
Bituminous and Lignite	14,081	13,238	13,709	232,168	238,268	-2.6	764,353	768,482	-0.5
Anthracite	36	34	34	588	625	-5.9	1,842	1,781	3.4
U.S. Total	14,117	13,272	13,743	232,755	238,892	-2.6	766,195	770,263	-0.5
Railroad Cars Loaded	80,608	75,778	76,864	1,318,303	1,318,971	-0.1	4,418,894	4,366,740	1.2

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 16

OUTPUT FOR WEEK ENDED - Apr 21, 2018

Apr 25, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Apr 21, 2018 was 69,190 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 April 21		52 Weeks Ended April 21	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,038	1.5	120,910	-2.3
Mid-Atlantic	7,602	8.6	431,056	-0.9
Central Industrial	12,471	9.0	668,714	-0.6
West Central	5,943	6.5	330,522	0.2
Southeast	17,046	-2.7	1,032,971	0.9
South Central	12,301	-5.7	738,456	2.3
Rocky Mountain	4,254	-5.5	277,222	0.1
Pacific Northwest	2,923	4.7	157,715	0.1
Pacific Southwest	4,612	-6.7	281,911	-0.3
Total United States	69,190	0.5	4,039,477	0.4

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2018	Week Ended	2017	% Inc. (18/17)	52 Weeks Ended	2018	% Inc. (18/17)
Mar 31	70,174	Apr 01	69,461	1.0	Mar 31	4,033,731	0.3
Apr 07	70,814	Apr 08	68,555	3.3	Apr 07	4,035,991	0.3
Apr 14	71,006	Apr 15	67,894	4.6	Apr 14	4,039,103	0.4
Apr 21	69,190	Apr 22	68,816	0.5	Apr 21	4,039,477	0.4
Apr 21	1,215,862	Apr 22	1,166,328	4.2	YEAR TO DATE, FIRST 16 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
Mar 31	175	Apr 01	167	Apr 02	169
Apr 07	180	Apr 08	167	Apr 09	175
Apr 14	182	Apr 15	167	Apr 16	173
Apr 21	178	Apr 22	170	Apr 23	172

* 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		
	21-Apr 2018 GWh Output	22-Apr 2017 GWh Output	% Increase Over Corresponding Week of 2017	21-Apr 2018 GWh Output	22-Apr 2017 GWh Output	% Increase Over Corresponding Week of 2017	21-Apr 2018 GWh Output	22-Apr 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,038	2,007	1.5%	37,393	37,068	0.9%	120,910	123,772	-2.3%
Mid-Atlantic	7,602	7,001	8.6%	133,002	126,919	4.8%	431,056	434,947	-0.9%
Central Industrial	12,471	11,438	9.0%	212,219	201,779	5.2%	668,714	672,603	-0.6%
West Central	5,943	5,581	6.5%	100,297	95,724	4.8%	330,522	329,964	0.2%
Southeast	17,046	17,512	-2.7%	312,419	292,493	6.8%	1,032,971	1,024,007	0.9%
South Central	12,301	13,045	-5.7%	211,100	198,287	6.5%	738,456	721,748	2.3%
Rocky Mountain	4,254	4,499	-5.4%	78,115	79,207	-1.4%	277,222	276,825	0.1%
Pacific Northwest	2,923	2,792	4.7%	53,905	55,728	-3.3%	157,715	157,517	0.1%
Pacific Southwest	4,612	4,941	-6.7%	77,411	79,123	-2.2%	281,911	282,641	-0.3%
Total United States ^{1/}	69,190	68,816	0.5%	1,215,861	1,166,328	4.2%	4,039,477	4,024,024	0.4%
Coal Regions Only ^{2/}	59,617	59,076	0.9%	1,047,152	994,409	5.3%	3,478,941	3,460,094	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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April 23, 2018

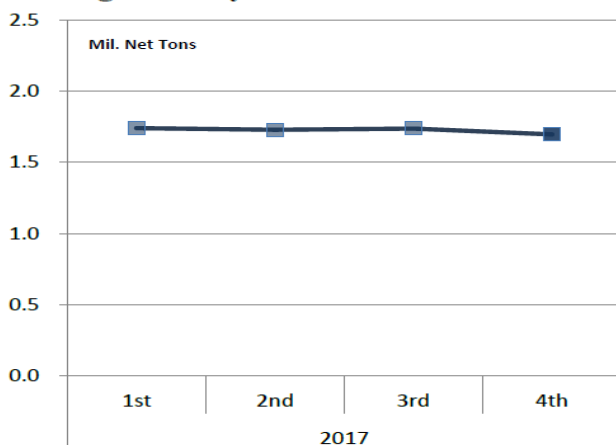
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Apr 21</u>	<u>Week Ending Apr 14</u>	
<u>Week Ending</u>				North East	214	213
				Great Lakes	667	685
April 21, 2018	1,788	0.2	76.3	Midwest	165	159
April 21, 2017	1,721	3.9	73.8	Southern	666	653
April 14, 2018	1,784	-1.2	76.1	Western	<u>76</u>	<u>74</u>
				Total	1,788	1,784
<u>Year-to-Date +</u>						
April 21, 2018	27,969	1.6	75.6			
April 21, 2017	27,531	-	74.4			

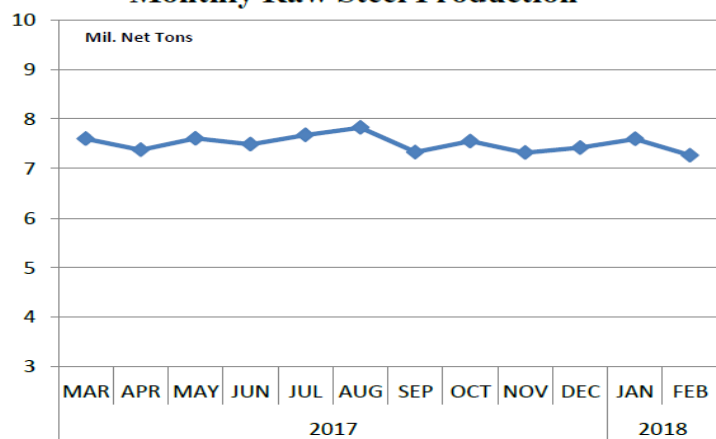
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 16, 2018 – Ended April 21, 2018

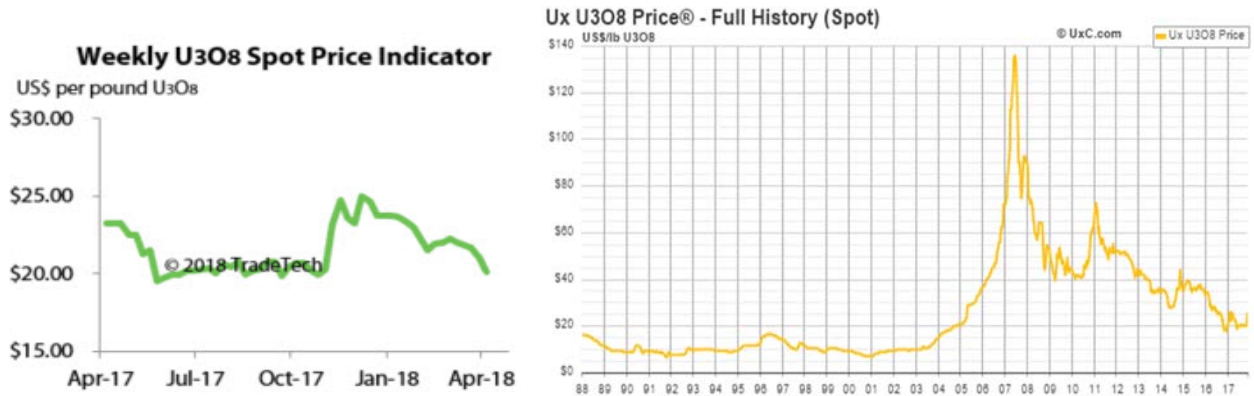
	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	264,552	3.5%	4,080,772	255,048	0.4%
Chemicals	32,308	1.3%	516,597	32,287	3.2%
Coal	80,608	5.1%	1,326,925	82,933	-0.1%
Farm Products excl. Grain, and Food	15,542	-3.2%	257,494	16,093	-0.1%
Forest Products	9,988	0.8%	160,195	10,012	0.7%
Grain	25,938	10.3%	364,119	22,757	-1.7%
Metallic Ores and Metals	23,972	-4.8%	346,912	21,682	1.7%
Motor Vehicles and Parts	18,102	6.4%	267,003	16,688	-3.9%
Nonmetallic Minerals	39,387	9.2%	530,007	33,125	2.3%
Petroleum and Petroleum Products	9,356	-9.6%	162,128	10,133	2.3%
Other	9,351	5.3%	149,392	9,337	-2.4%
Total Intermodal Units	274,873	8.9%	4,310,336	269,396	5.6%
Total Traffic	539,425	6.2%	8,391,108	524,444	3.0%

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.

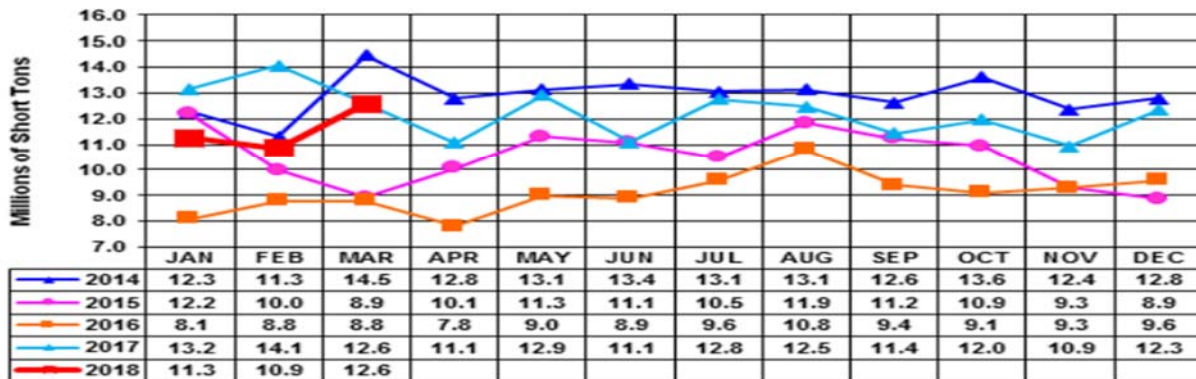
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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



Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

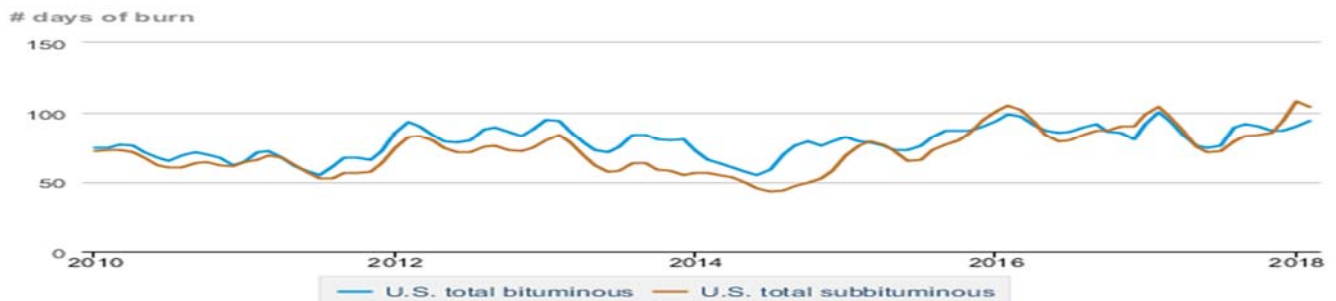
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago change
	03/23/18	03/30/18	04/06/18	04/13/18	04/20/18	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$63.00	\$63.00	\$61.10	\$61.45	\$61.45	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$46.45	\$46.45	\$45.05	\$45.05	\$45.05	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$33.20	\$33.20	\$32.70	\$32.70	\$32.70	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.40	\$12.40	\$12.35	\$12.45	\$12.45	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$42.15	\$42.15	\$42.05	\$42.05	\$42.05	\$0.00

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

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



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Apr 12)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	190	42	92	0	0	0
Middle Atlantic	181	50	93	0	0	0
E N Central	182	47	82	0	0	0
W N Central	195	67	98	0	-1	-1
South Atlantic	110	43	56	17	4	4
E S Central	106	45	55	0	-5	-3
W S Central	48	17	26	10	-7	-15
Mountain	128	6	35	2	-4	-5
Pacific	69	-2	-3	0	-2	0
United States	136	34	58	4	-1	-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 - 4th Quarter	2016 Year to Date - 4th Quarter	Percent Change
Aluminum, secondary (000 Mt.)	967.0	963.0	0%
Cement (Mil. Mt.)	84.3	82.6	2%
Copper (000 Mt.)	1,260.0	1,430.0	-12%
Gold (Mt.)	230.0	222.0	4%
Gypsum (Mil. Mt.)	16.8	16.4	2%
Iron Ore (Mil. Mt.)	47.6	39.9	19%
Lead (000 Mt.)	302.0	336.0	-10%
Molybdenum (000 Mt.)	40.5	35.7	13%
Phosphate rock (Mil. Mt.)	27.1	27.3	-1%
Sand & gravel, construction (Mil. Mt.)	906.0	892.0	2%
Silver (Mt.)	1,030.0	1,150.0	-10%
Soda ash (Mil. Mt.)	12.0	11.8	2%
Stone, crushed (Mil. Mt.)	1,350.0	1,360.0	-1%
Zinc (000 Mt.)	748.0	778.0	-4%

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*.

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	February 2018		February 2017			January 2018		
		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	3,338	95	5,229	92	-36.2%	3,314	85	0.7%
	Subbituminous	95	206	159	168	-40.4%	62	26	54.3%
South	Bituminous	22,185	93	31,517	100	-29.6%	21,718	88	2.2%
	Subbituminous	5,060	72	6,144	88	-17.6%	4,676	61	8.2%
Midwest	Bituminous	10,770	87	15,554	102	-30.8%	11,259	81	-4.3%
	Subbituminous	32,868	112	43,181	104	-23.9%	34,154	117	-3.8%
West	Bituminous	4,831	121	5,732	103	-15.7%	4,943	127	-2.3%
	Subbituminous	24,028	104	30,601	108	-21.5%	25,660	111	-6.4%
U.S. Total	Bituminous	41,292	94	58,032	100	-28.8%	41,433	90	-0.3%
	Subbituminous	62,051	104	80,086	104	-22.5%	64,551	108	-3.9%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

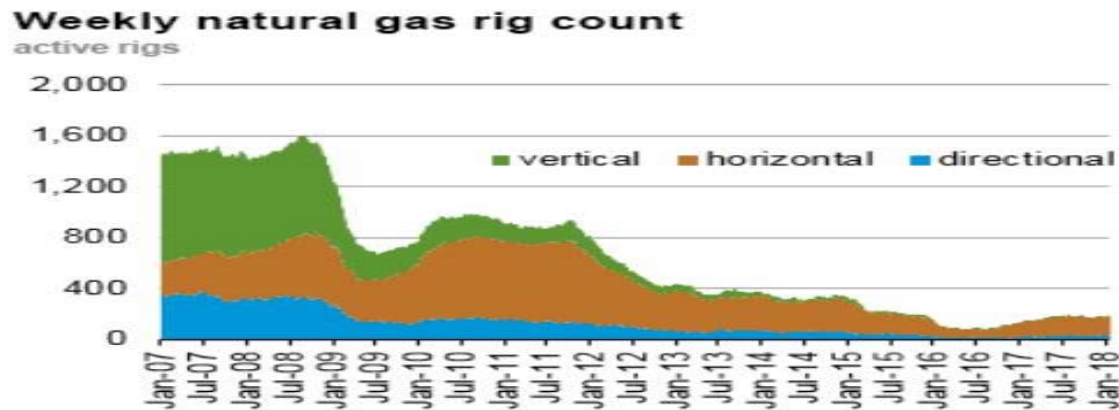
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2018-04-13	2018-04-06	change
East	207	217	-10
Midwest	228	246	-18
Mountain	83	83	0
Pacific	175	171	4
South Central	606	618	-12
Total	1,299	1,335	-36

Source: U.S. Energy Information Administration

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

EIA Natural Gas Rig Count



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		
	April 2018	May 2018	change	April 2018	May 2018	change
Anadarko	397	402	5	2,768	2,787	19
Appalachia	144	145	1	15,409	15,586	177
Bakken	1,438	1,453	15	1,686	1,698	12
Eagle Ford	1,399	1,447	48	5,512	5,772	260
Haynesville	24	24	-	8,357	8,405	48
Niobrara	1,189	1,199	10	4,448	4,486	38
Permian	624	626	2	1,187	1,187	-
Total	663	671	8	3,747	3,816	69

Source: Energy Information Administration, *Drilling Productivity Report*