

National Mining Association

Weekly Statistical Summary

April 6, 2018 Edition
(Data for Week Ending March 31, 2018)

Prepared by
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NMA Weekly Statistical Summary

Vol. 56, No. 13
Dated 04/06/18

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/31/18	04/01/17	% Chng	03/31/18	03/31/17	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,698	14,258	3.1%	191,097	197,033	-3.0%
52 Weeks Ended	766,354	762,284	0.5%			
AAR Coal Rail Cars Loaded:	82,740	78,665	5.2%	1,080,441	1,084,852	-0.4%
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		
	03/31/18	04/01/17	% Chng	03/31/18	04/01/17	% Chng
EI Electric Total Output (Mil. Kwh)	70,174	69,461	1.0%	1,004,852	961,063	4.6%
EI Coal Region Output (Mil. Kwh)	60,104	59,394	1.2%	865,576	818,431	5.8%
AISI Raw Steel Output (000 Tons)	1,776	1,716	3.5%	22,592	22,369	1.0%

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)	
	03/30/18	03/23/18	% Chng	Wed.	03/28/18
Central App, 12,500 Btu, 1.2 SO ₂	\$63.00	\$63.00	0.0%	Henry Hub	2.64
Northern App, 13,000 Btu, < 3.0 SO ₂	46.45	46.45	0.0%	New York	2.52
Illinois Basin, 11,800, 5.0 SO ₂	33.20	33.20	0.0%	Chicago	2.40
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.40	12.40	0.0%	Cal.Comp.Avg.	2.19
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



EIA Estimated Weekly U.S. Coal Production Overview									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	3/31/2018 (week 13)	3/24/2018 (week 12)	4/1/2017 (week 13)	3/31/2018	3/31/2017	% Change	3/31/2018	4/1/2017	% Change
Alabama	278	288	240	3,628	3,273	10.8	12,933	10,619	21.8
Alaska	18	17	18	210	259	-19.1	907	898	1.0
Arizona	117	120	119	1,492	1,667	-10.5	6,033	5,833	3.4
Arkansas	1	1	1	11	10	10.2	27	49	-44.9
Colorado	327	356	281	4,421	3,784	16.8	15,640	14,071	11.2
Illinois	966	994	926	12,446	12,683	-1.9	47,993	45,684	5.1
Indiana	605	628	604	7,816	8,386	-6.8	30,773	30,349	1.4
Kansas	1	.
Kentucky Total	845	864	833	10,754	11,443	-6.0	41,857	43,540	-3.9
Eastern (KY)	409	391	347	4,929	4,662	5.7	19,086	17,112	11.5
Western (KY)	436	474	486	5,824	6,781	-14.1	22,772	26,428	-13.8
Louisiana	42	51	65	614	955	-35.7	1,732	3,133	-44.7
Maryland	35	36	29	448	380	17.9	1,725	1,619	6.5
Mississippi	54	55	55	689	740	-7.0	2,544	2,885	-11.8
Missouri	4	5	4	58	59	-2.9	242	254	-4.7
Montana	629	630	533	7,758	7,243	7.1	35,671	32,581	9.5
New Mexico	276	287	271	3,552	3,744	-5.1	12,971	13,030	-0.5
North Dakota	531	539	521	6,655	7,234	-8.0	28,145	28,555	-1.4
Ohio	153	149	166	1,852	2,269	-18.4	8,896	11,131	-20.1
Oklahoma	10	9	9	118	121	-2.2	557	618	-9.9
Pennsylvania Total	955	1,012	918	12,527	12,595	-0.5	48,908	48,748	0.3
Anthracite (PA)	39	39	37	484	522	-7.2	1,841	1,767	4.2
Bituminous (PA)	916	973	881	12,043	12,074	-0.3	47,067	46,981	0.2
Tennessee	8	9	11	110	152	-27.7	388	602	-35.5
Texas	628	629	633	7,760	8,737	-11.2	35,279	38,377	-8.1
Utah	261	260	256	3,230	3,524	-8.3	13,999	14,325	-2.3
Virginia	260	276	269	3,419	3,717	-8.0	13,373	14,036	-4.7
West Virginia Total	1,829	1,891	1,722	23,610	23,684	-0.3	92,462	85,423	8.2
Northern (WV)	889	937	910	11,615	12,667	-8.3	45,622	46,497	-1.9
Southern (WV)	940	954	812	11,996	11,018	8.9	46,840	38,926	20.3
Wyoming	5,866	6,354	5,776	77,921	80,374	-3.1	313,296	315,923	-0.8
Appalachian Total	3,927	4,051	3,701	50,523	50,732	-0.4	197,771	189,291	4.5
Interior Total	2,745	2,847	2,783	35,336	38,472	-8.2	141,920	147,778	-4.0
Western Total	8,026	8,562	7,774	105,238	107,828	-2.4	426,663	425,215	0.3
East of Mississippi River	5,987	6,202	5,772	77,297	79,322	-2.6	301,853	294,636	2.4
West of Mississippi River	8,711	9,258	8,487	113,800	117,711	-3.3	464,501	467,648	-0.7
Bituminous and Lignite	14,659	15,421	14,221	190,613	196,511	-3.0	764,513	760,517	0.5
Anthracite	39	39	37	484	522	-7.2	1,841	1,767	4.2
U.S. Total	14,698	15,460	14,258	191,097	197,033	-3.0	766,354	762,284	0.5
Railroad Cars Loaded	82,740	87,348	78,665	1,080,441	1,084,852	-0.4	4,414,916	4,316,368	2.3

Source: Energy Information Administration

EEI

Weekly Electric Output

Volume 86 No. 13

OUTPUT FOR WEEK ENDED - Mar 31, 2018

Apr 04, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, **Mar 31, 2018** was **70,174** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **175** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended March 31		52 Weeks Ended March 31	
	GWh Output	% Increase Over Corresponding Week of 2017	GWh Output	% Increase Over Corresponding Period of 2017
New England	2,118	-6.9	120,768	-2.6
Mid-Atlantic	7,546	0.7	429,549	-1.4
Central Industrial	12,163	3.1	665,976	-1.2
West Central	5,672	1.2	329,492	-0.2
Southeast	17,676	2.4	1,032,387	1.0
South Central	12,603	-1.4	738,786	2.7
Rocky Mountain	4,444	-0.1	277,154	0.1
Pacific Northwest	3,213	2.8	157,480	0.4
Pacific Southwest	4,739	1.5	282,139	-0.4
Total United States	70,174	1.0	4,033,731	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 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 31	70,174	Apr 01	69,461	1.0	Mar 31	4,033,731	0.3
Mar 31	1,004,852	Apr 01	961,063	4.6	YEAR TO DATE, FIRST 13 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2018	Week Ended	2017	Week Ended	2016
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
Mar 31	175	Apr 01	167	Apr 02	169

* 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		
	31-Mar 2018 GWh Output	1-Apr 2017 GWh Output	% Increase Over Corresponding Week of 2017	31-Mar 2018 GWh Output	1-Apr 2017 GWh Output	% Increase Over Corresponding Week of 2017	31-Mar 2018 GWh Output	1-Apr 2017 GWh Output	% Increase Over Corresponding Week of 2017
New England	2,118	2,275	-6.9%	31,081	30,898	0.6%	120,768	123,985	-2.6%
Mid-Atlantic	7,546	7,497	0.7%	110,372	105,796	4.3%	429,549	435,678	-1.4%
Central Industrial	12,163	11,803	3.1%	174,755	167,052	4.6%	665,976	674,074	-1.2%
West Central	5,672	5,604	1.2%	82,261	78,718	4.5%	329,492	330,073	-0.2%
Southeast	17,676	17,261	2.4%	259,988	240,646	8.0%	1,032,387	1,022,414	1.0%
South Central	12,603	12,782	-1.4%	173,499	160,357	8.2%	738,786	719,356	2.7%
Rocky Mountain	4,444	4,447	-0.1%	64,701	65,862	-1.8%	277,154	276,778	0.1%
Pacific Northwest	3,213	3,125	2.8%	44,989	47,047	-4.4%	157,480	156,926	0.4%
Pacific Southwest	4,739	4,667	1.5%	63,205	64,687	-2.3%	282,139	283,398	-0.4%
Total United States ^{1/}	70,174	69,461	1.0%	1,004,851	961,063	4.6%	4,033,731	4,022,682	0.3%
Coal Regions Only ^{2/}	60,104	59,394	1.2%	865,576	818,431	5.8%	3,473,344	3,458,373	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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April 2, 2018

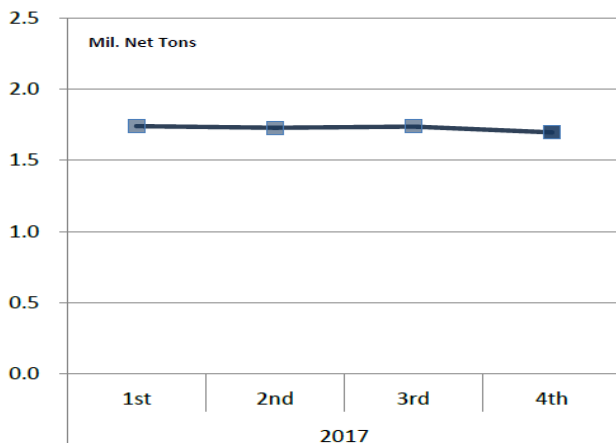
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 31</u>	<u>Week Ending Mar 24</u>	
<u>Week Ending</u>				North East	205	200
				Great Lakes	663	676
March 31, 2018	1,776	-1.5	76.2	Midwest	168	170
March 31, 2017	1,716	3.5	73.6	Southern	667	686
March 24, 2018	1,803	-1.3	77.4	Western	<u>73</u>	<u>71</u>
				Total	1,776	1,803
<u>Year-to-Date +</u>						
March 31, 2018	22,592	1.0	75.4			
March 31, 2017	22,369	-	74.6			

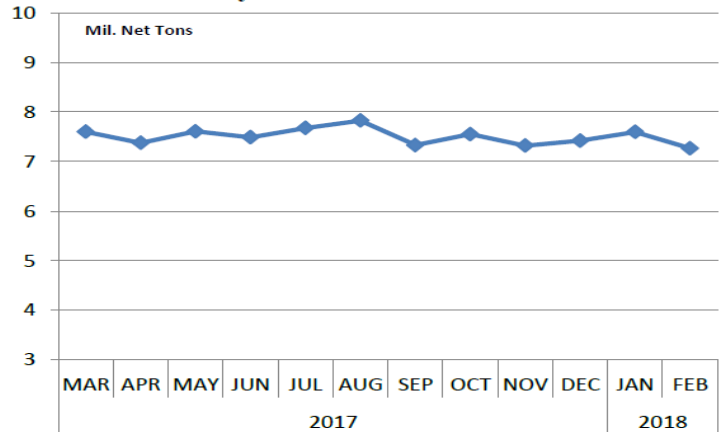
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

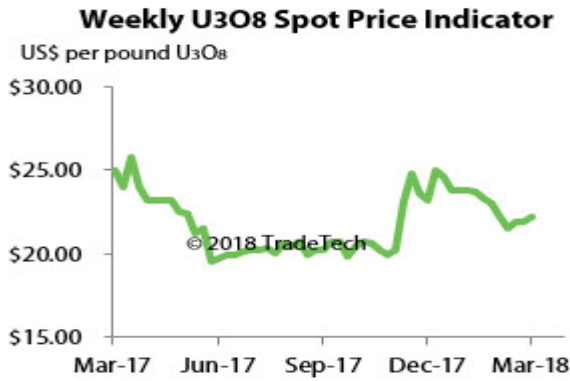
U.S. Rail Traffic¹
 Week 13, 2018 – Ended March 31, 2018

	This Week		Year-To-Date		
	Cars	vs 2017	Cumulative	Avg/wk ²	vs 2017
Total Carloads	265,470	2.8%	3,296,199	253,554	-0.3%
Chemicals	33,691	4.6%	418,649	32,204	3.1%
Coal	82,740	5.1%	1,089,063	83,774	-0.5%
Farm Products excl. Grain, and Food	15,927	-1.6%	208,740	16,057	-0.8%
Forest Products	10,595	1.3%	130,447	10,034	0.8%
Grain	24,002	3.5%	290,203	22,323	-3.8%
Metallic Ores and Metals	24,485	0.6%	274,754	21,135	0.9%
Motor Vehicles and Parts	17,833	3.1%	212,960	16,382	-6.1%
Nonmetallic Minerals	36,906	0.2%	417,219	32,094	1.9%
Petroleum and Petroleum Products	9,906	-1.7%	133,215	10,247	3.3%
Other	9,385	4.7%	120,949	9,304	-3.4%
Total Intermodal Units	269,281	2.8%	3,496,381	268,952	5.5%
Total Traffic	534,751	2.8%	6,792,580	522,506	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.

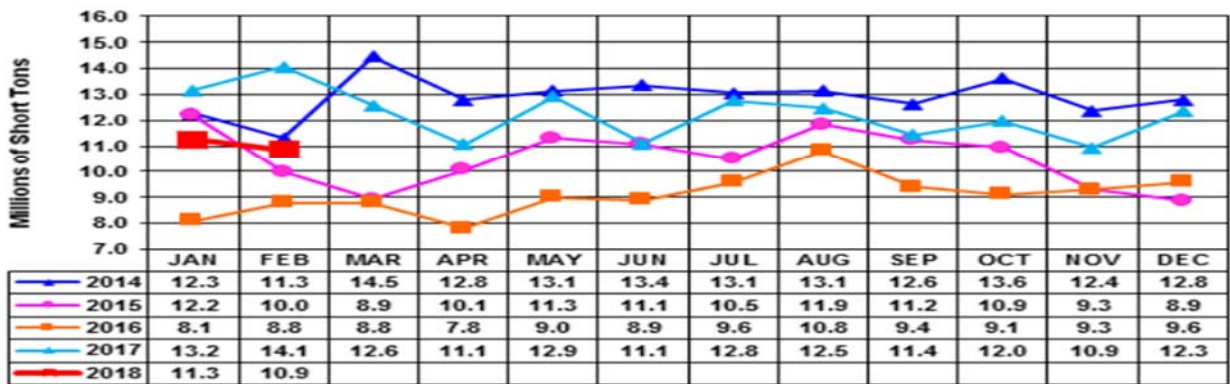
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's Uranium Price Indicators



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

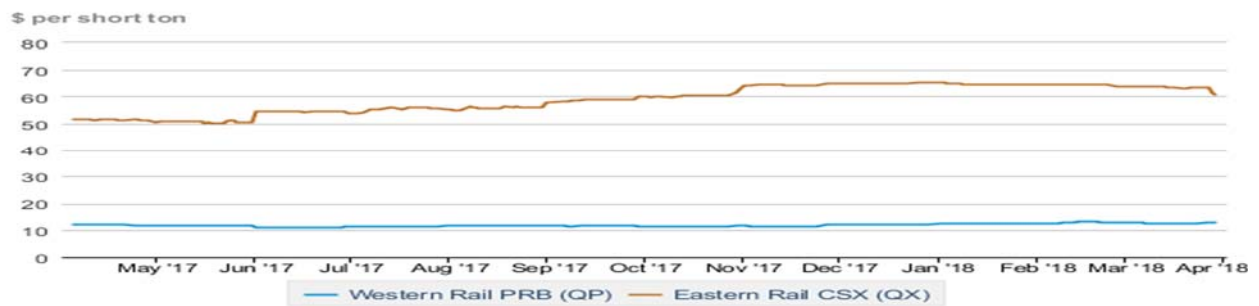
Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

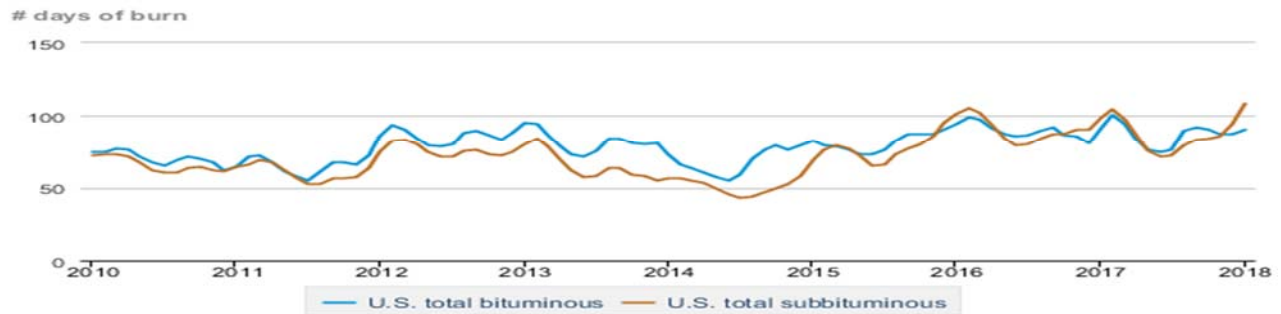
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago change
	03/02/18	03/09/18	03/16/18	03/23/18	03/30/18	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$63.10	\$63.10	\$63.00	\$63.00	\$63.00	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$47.05	\$47.05	\$46.45	\$46.45	\$46.45	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$33.20	\$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	\$42.15	\$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 22)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	215	21	-9	0	0	0
Middle Atlantic	215	36	9	0	0	0
E N Central	191	3	-8	0	0	0
W N Central	187	1	39	0	-1	0
South Atlantic	121	17	-3	11	-1	5
E S Central	101	3	2	0	-5	-3
W S Central	39	-19	25	15	2	-21
Mountain	168	15	106	0	-2	-13
Pacific	116	29	63	0	-1	0
United States	154	13	23	4	-1	-2

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*

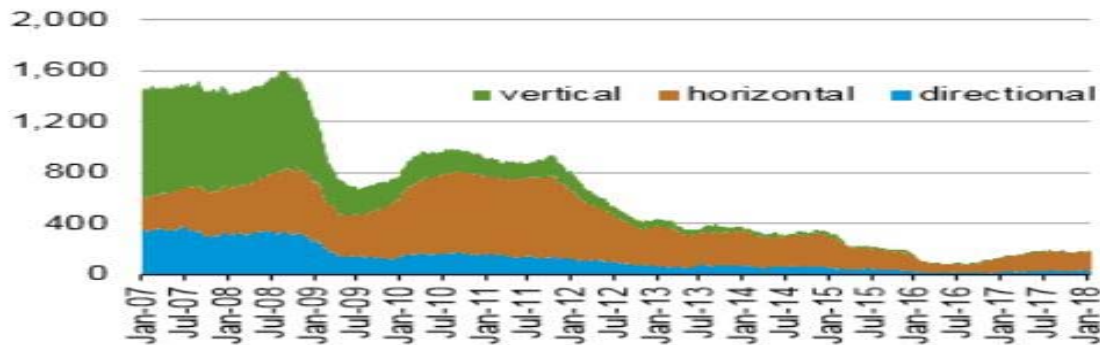
EIA Working Natural Gas Underground Storage

Working gas in underground storage			
Region	Stocks billion cubic feet (Bcf)		
	2018-03-23	2018-03-16	change
East	242	270	-28
Midwest	284	315	-31
Mountain	88	90	-2
Pacific	166	169	-3
South Central	603	602	1
Total	1,383	1,446	-63

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*