

National Mining Association

Weekly Statistical Summary

April 5, 2019 Edition
(Data for Week Ending March 30, 2019)

Prepared by
National Mining Association



Suite 500 East, 101 Constitution Avenue, NW
Washington, DC, 20001
Phone (202) 463-2600
Visit us at <http://www.nma.org>

NMA Weekly Statistical Summary

Vol. 57, No. 13
Dated 04/05/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/30/19	03/31/18	% Chng	03/30/19	03/30/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	10,520	14,391	-26.9%	168,719	185,768	-9.2%
52 Weeks Ended	736,603	763,281	-3.5%			
AAR Coal Rail Cars Loaded:	60,984	82,740	-26.3%	980,982	1,069,681	-8.3%
Coal Production Month Ended - Feb.	Feb 19/18		% Chng	Jan - Feb 19/18		% Chng
	55,140	60,235	-8.5%	117,618	122,172	-3.7%
DOC Coal Trade (000 Tons)						
Exports:	Jan 19/18		% Chng	Jan - Jan 19/18		% Chng
Metallurgical	4,791	4,572	4.8%	4,791	4,572	4.8%
Steam Bit. *	4,441	4,193	5.9%	4,441	4,193	5.9%
Lignite	8	7	14.3%	8	7	14.3%
Anthracite	51	5	920.0%	51	5	920.0%
Total	9,291	8,777	5.9%	9,291	8,777	5.9%
Imports:	625	500	25.0%	625	500	25.0%
	Week Ended			Cumulative Week 1 to		
	03/30/19	03/31/18	% Chng	03/30/19	03/31/18	% Chng
EI Electric Total Output (Mil. Kwh)	68,088	70,174	-3.0%	995,674	1,004,851	-0.9%
EI Coal Region Output (Mil. Kwh)	58,460	60,104	-2.7%	856,438	865,576	-1.1%
AISI Raw Steel Output (000 Tons)	1,913	1,826	4.8%	24,208	22,686	6.7%

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)	
	03/29/19	03/22/19	% Chng	Wed.	03/27/19
Central App, 12,500 Btu, 1.2 SO ₂	\$80.50	\$83.45	-3.5%	Henry Hub	2.66
Northern App, 13,000 Btu, < 3.0 SO ₂	70.20	70.05	0.2%	New York	2.50
Illinois Basin, 11,800, 5.0 SO ₂	37.45	38.20	-2.0%	Chicago	2.52
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.80	12.35	3.6%	Cal.Comp.Avg.	2.83
Uinta Basin, 11,700 Btu, 0.8 SO ₂	38.80	39.20	-1.0%		

Coal exports and Imports are "as reported" (not revised); *Steam excludes lignite & anthracite. All data in this report are preliminary and subject to revision. r/ revised.

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		
	3/30/2019 (week 13)	3/23/2019 (week 12)	3/31/2018 (week 13)	3/30/2019	3/30/2018	% Change	3/30/2019	3/31/2018	% Change
Alabama	227	240	299	3,638	3,860	-5.8	14,489	13,371	8.4
Alaska	12	13	18	194	233	-17.1	880	934	-5.8
Arizona	100	107	117	1,608	1,511	6.4	6,632	6,067	9.3
Arkansas	16	.
Colorado	198	206	251	3,109	3,242	-4.1	13,860	14,495	-4.4
Illinois	706	746	968	11,286	12,496	-9.7	48,120	48,149	-0.1
Indiana	529	536	650	8,166	8,387	-2.6	34,475	31,482	9.5
Kentucky Total	559	589	784	8,890	10,127	-12.2	38,328	40,478	-5.3
Eastern (KY)	240	265	343	3,976	4,426	-10.2	16,507	17,932	-7.9
Western (KY)	319	324	442	4,915	5,700	-13.8	21,821	22,545	-3.2
Louisiana	23	18	18	271	229	18.1	1,522	1,350	12.7
Maryland	15	17	29	256	375	-31.9	1,103	1,708	-35.4
Mississippi	46	43	49	668	633	5.5	2,968	2,495	19.0
Missouri	4	4	5	60	63	-4.9	255	248	2.8
Montana	539	593	695	8,895	8,968	-0.8	38,447	36,972	4.0
New Mexico	107	102	155	1,513	2,003	-24.5	10,282	12,110	-15.1
North Dakota	422	462	578	6,922	7,458	-7.2	29,032	29,022	s
Ohio	109	130	188	1,910	2,426	-21.3	8,441	9,656	-12.6
Oklahoma	13	12	10	195	129	50.9	781	569	37.3
Pennsylvania Total	740	757	918	11,499	11,851	-3.0	49,348	48,384	2.0
Anthracite (PA)	26	27	33	412	423	-2.7	1,855	1,821	1.9
Bituminous (PA)	715	730	885	11,088	11,428	-3.0	47,493	46,563	2.0
Tennessee	2	3	4	40	56	-28.7	174	335	-48.1
Texas	311	351	465	5,144	6,004	-14.3	23,902	33,600	-28.9
Utah	183	218	279	3,219	3,598	-10.5	13,177	14,403	-8.5
Virginia	177	188	257	2,835	3,319	-14.6	12,392	13,284	-6.7
West Virginia Total	1,386	1,512	1,795	22,813	23,176	-1.6	94,604	92,393	2.4
Northern (WV)	667	699	851	10,511	10,981	-4.3	45,288	45,060	0.5
Southern (WV)	720	813	945	12,302	12,195	0.9	49,316	47,333	4.2
Wyoming	4,110	4,380	5,858	65,588	75,623	-13.3	293,391	311,760	-5.9
Appalachian Total	2,897	3,111	3,834	46,967	49,489	-5.1	197,058	197,062	s
Interior Total	1,952	2,034	2,606	30,705	33,642	-8.7	133,845	140,456	-4.7
Western Total	5,671	6,081	7,951	91,048	102,637	-11.3	405,700	425,763	-4.7
East of Mississippi River	4,497	4,761	5,942	72,002	76,706	-6.1	304,442	301,734	0.9
West of Mississippi River	6,023	6,466	8,449	96,718	109,063	-11.3	432,161	461,547	-6.4
Bituminous and Lignite	10,494	11,199	14,358	168,308	185,345	-9.2	734,748	761,460	-3.5
Anthracite	26	27	33	412	423	-2.7	1,855	1,821	1.9
U.S. Total	10,520	11,227	14,391	168,719	185,768	-9.2	736,603	763,281	-3.5
Railroad Cars Loaded	60,984	65,317	82,740	980,982	1,069,681	-8.3	4,317,086	4,414,915	-2.2

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 13

OUTPUT FOR WEEK ENDED - Mar 30, 2019

Apr 03, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Mar 30, 2019** was **68,088** 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 30		52 Weeks Ended March 30	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,050	-3.2	121,816	0.9
Mid-Atlantic	7,338	-2.8	439,674	2.4
Central Industrial	11,879	-2.3	683,911	2.7
West Central	5,504	-3.0	338,768	2.8
Southeast	17,053	-3.5	1,042,404	1.0
South Central	12,258	-2.7	761,385	3.1
Rocky Mountain	4,428	-0.4	283,635	2.3
Pacific Northwest	3,049	-5.1	157,656	0.1
Pacific Southwest	4,529	-4.4	275,296	-2.4
Total United States	68,088	-3.0	4,104,545	1.8

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Mar 09	81,453	Mar 10	73,613	10.7	Mar 09	4,110,367	1.9
Mar 16	70,792	Mar 17	72,648	-2.6	Mar 16	4,108,511	1.9
Mar 23	69,913	Mar 24	71,792	-2.6	Mar 23	4,106,632	1.8
Mar 30	68,088	Mar 31	70,174	-3.0	Mar 30	4,104,545	1.8
Mar 30	995,673	Mar 31	1,004,852	-0.9	YEAR TO DATE, FIRST 13 WEEKS		

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

Week Ended	2019	Week Ended	2018	Week Ended	2017
Mar 09	191	Mar 10	172	Mar 11	156
Mar 16	174	Mar 17	179	Mar 18	173
Mar 23	174	Mar 24	178	Mar 25	163
Mar 30	175	Mar 31	175	Apr 01	167

* 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		
	30-Mar 2019 GWh Output	31-Mar 2018 GWh Output	% Increase Over Corresponding Week of 2018	30-Mar 2019 GWh Output	31-Mar 2018 GWh Output	% Increase Over Corresponding Week of 2018	30-Mar 2019 GWh Output	31-Mar 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,050	2,118	-3.2%	30,687	31,081	-1.3%	121,816	120,768	0.9%
Mid-Atlantic	7,338	7,546	-2.8%	109,647	110,372	-0.7%	439,674	429,549	2.4%
Central Industrial	11,879	12,163	-2.3%	174,085	174,755	-0.4%	683,911	665,976	2.7%
West Central	5,504	5,672	-3.0%	83,136	82,261	1.1%	338,768	329,492	2.8%
Southeast	17,053	17,676	-3.5%	250,490	259,988	-3.7%	1,042,404	1,032,387	1.0%
South Central	12,258	12,603	-2.7%	171,942	173,499	-0.9%	761,385	738,786	3.1%
Rocky Mountain	4,428	4,444	-0.4%	67,138	64,701	3.8%	283,635	277,154	2.3%
Pacific Northwest	3,049	3,213	-5.1%	46,699	44,989	3.8%	157,656	157,480	0.1%
Pacific Southwest	<u>4,529</u>	<u>4,739</u>	-4.4%	<u>61,850</u>	<u>63,205</u>	-2.1%	<u>275,296</u>	<u>282,139</u>	-2.4%
Total United States ^{1/}	<u>68,088</u>	<u>70,174</u>	-3.0%	<u>995,674</u>	<u>1,004,851</u>	-0.9%	<u>4,104,545</u>	<u>4,033,731</u>	1.8%
Coal Regions Only ^{2/}	58,460	60,104	-2.7%	856,438	865,576	-1.1%	3,549,777	3,473,344	2.2%

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*.

AMERICAN IRON AND STEEL INSTITUTE
 25 Massachusetts Avenue, NW, Suite 800
 Washington, D.C. 20001

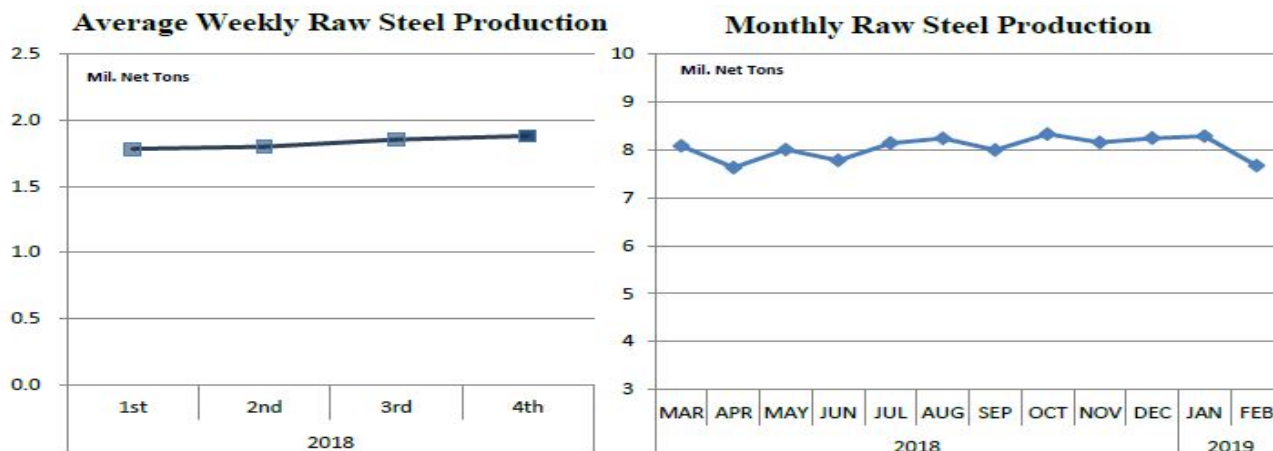
April 1, 2019

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 30</u>	<u>Week Ending Mar. 23</u>	
<u>Week Ending</u>				North East	210	214
				Great Lakes	715	716
March 30, 2019	1,913	-1.1	82.2	Midwest	187	189
March 30, 2018	1,826	4.8	78.3	Southern	725	737
March 23, 2019	1,934	0.2	83.1	Western	76	78
				Total	1,913	1,934
<u>Year-to-Date +</u>						
March 30, 2019	24,208	6.7	81.8			
March 30, 2018	22,686	-	76.6			

*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.

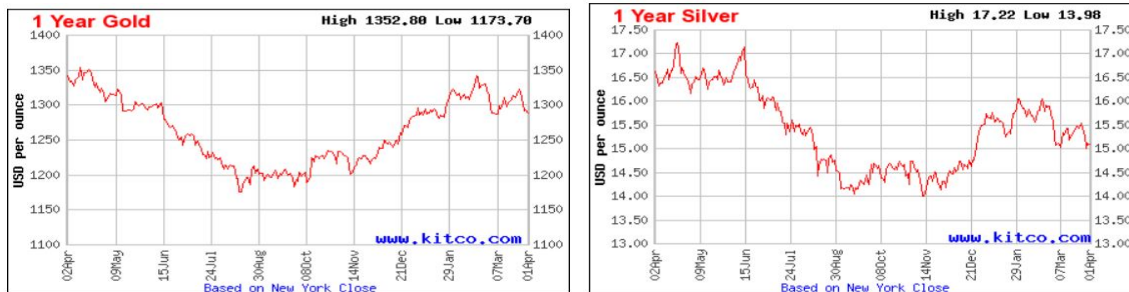
NOTE: Capacity for the first quarter 2019 is approximately 29.9 million net tons vs. 30.0 million net tons for the same period last year, and 30.8 million tons for the fourth quarter of 2018.



*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, 2019 – Ended March 30, 2019

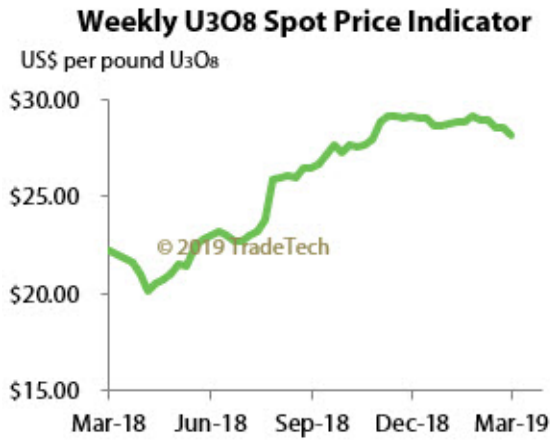
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	241,906	-8.9%	3,195,609	245,816	-3.1%
Chemicals	33,809	0.3%	414,579	31,891	-1.0%
Coal	60,984	-26.3%	1,000,636	76,972	-8.1%
Farm Products excl. Grain, and Food	15,663	-1.8%	201,765	15,520	-3.3%
Forest Products	10,059	-5.0%	130,368	10,028	-0.1%
Grain	22,565	-6.2%	277,513	21,347	-4.4%
Metallic Ores and Metals	23,293	-4.8%	271,616	20,894	-1.1%
Motor Vehicles and Parts	17,802	0.1%	210,960	16,228	-0.9%
Nonmetallic Minerals	34,494	-6.5%	405,680	31,206	-2.8%
Petroleum and Petroleum Products	12,658	27.8%	162,567	12,505	22.0%
Other	10,579	12.5%	119,925	9,225	-0.8%
Total Intermodal Units	268,052	-0.4%	3,476,457	267,420	-0.6%
Total Traffic	509,958	-4.6%	6,672,066	513,236	-1.8%

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

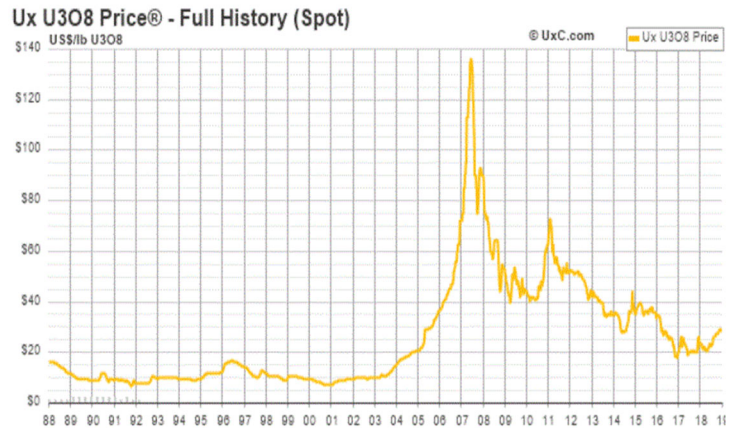
² Average per week figures may not sum to totals as a result of independent rounding.

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

Trade Tech's and UX's Uranium Price Indicators

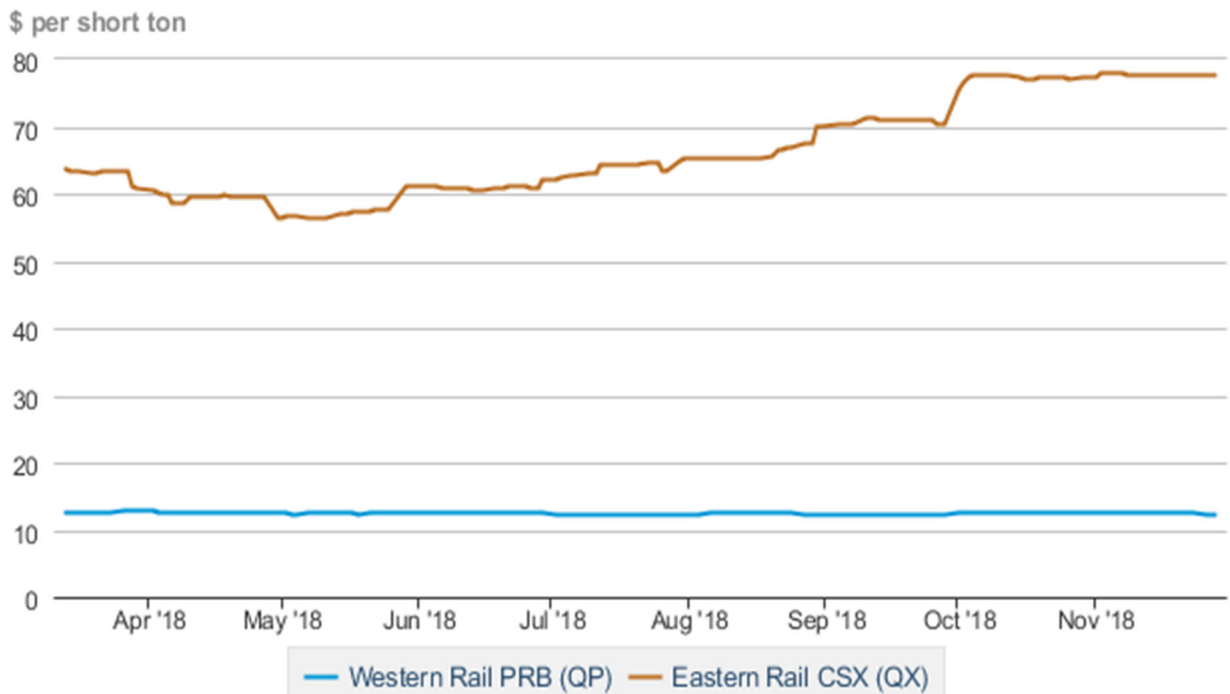


Ux U3O8 Price - Full History



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

NYMEX coal futures near-month contract final settlement price



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

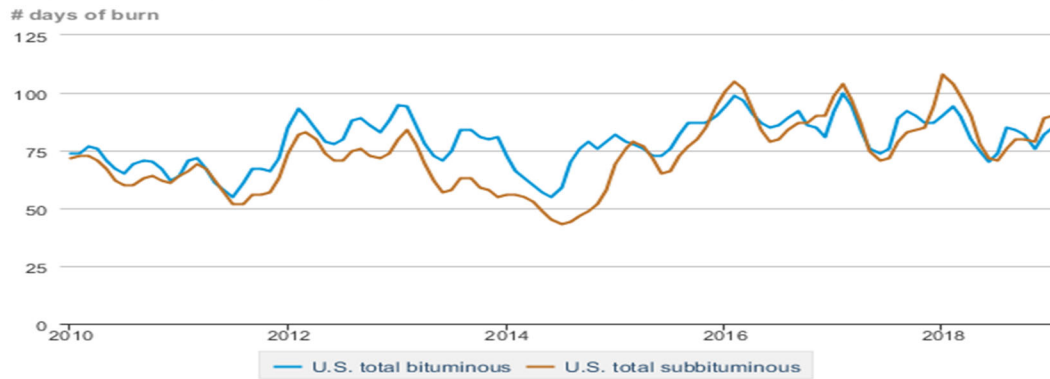
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	03/01/19	03/08/19	03/15/19	03/22/19	03/29/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$81.95	\$81.95	\$83.45	\$83.45	\$80.50	\$-2.95
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$70.05	\$70.05	\$70.05	\$70.05	\$70.20	\$0.15
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$38.20	\$38.20	\$38.20	\$38.20	\$37.45	\$-0.75
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.85	\$11.85	\$12.35	\$12.35	\$12.80	\$0.45
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$39.35	\$39.35	\$39.20	\$39.20	\$38.80	\$-0.40

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

Days of burn by non-lignite coal rank, January 2009 - January 2019



eia Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Mar 21)						
Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	189	-7	-27	0	0	0
Middle Atlantic	174	-7	-42	0	0	0
E N Central	197	6	6	0	0	0
W N Central	190	2	4	0	-1	0
South Atlantic	115	10	-4	10	-2	0
E S Central	123	23	26	0	-5	0
W S Central	78	19	38	1	-11	-15
Mountain	160	6	-10	2	0	2
Pacific	72	-17	-48	0	-1	0
United States	145	2	-10	2	-3	-2

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

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

USGS Production of Selected Mineral Commodities	2018 Year to Date - 4th Quarter	2017 Year to Date - 4th Quarter	Percent Change
Aluminum, secondary (000 Mt.)	829.0	837.0	-1%
Cement (Mil. Mt.)	85.3	84.2	1%
Copper (000 Mt.)	1,220.0	1,260.0	-3%
Gold (Mt.)	211.3	237.0	-11%
Gypsum (Mil. Mt.)	17.3	16.8	3%
Iron Ore (Mil. Mt.)	49.3	47.6	4%
Lead (000 Mt.)	W	302.0	N/A
Molybdenum (000 Mt.)	41.9	40.7	3%
Phosphate rock (Mil. Mt.)	25.7	27.9	-8%
Sand & gravel, construction (Mil. Mt.)	961.0	902.0	7%
Silver (Mt.)	923.0	1,030.0	-10%
Soda ash (Mil. Mt.)	11.8	12.0	-2%
Stone, crushed (Mil. Mt.)	1,410.0	1,350.0	4%
Zinc (000 Mt.)	812.0	748.0	9%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2018 data are preliminary estimates. W - withheld, N/A - not available

Natural gas spot prices (Henry Hub)

dollars per million British thermal units



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	January 2019		January 2018		% Change of Stocks	December 2018		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,973	147	3,314	85	-10.3%	3,408	132	-12.8%
	Subbituminous	121	275	62	26	96.2%	116	225	3.7%
South	Bituminous	17,114	88	21,701	88	-21.1%	19,364	83	-11.6%
	Subbituminous	3,972	59	4,676	61	-15.0%	4,570	57	-13.1%
Midwest	Bituminous	6,955	61	11,259	81	-38.2%	8,373	64	-16.9%
	Subbituminous	21,420	100	34,154	117	-37.3%	28,020	109	-23.6%
West	Bituminous	3,585	98	4,943	127	-27.5%	3,706	87	-3.3%
	Subbituminous	18,659	90	25,660	111	-27.3%	18,440	74	1.2%
U.S. Total	Bituminous	30,628	85	41,218	90	-25.7%	34,852	82	-12.1%
	Subbituminous	44,172	90	64,551	108	-31.6%	51,146	89	-13.6%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

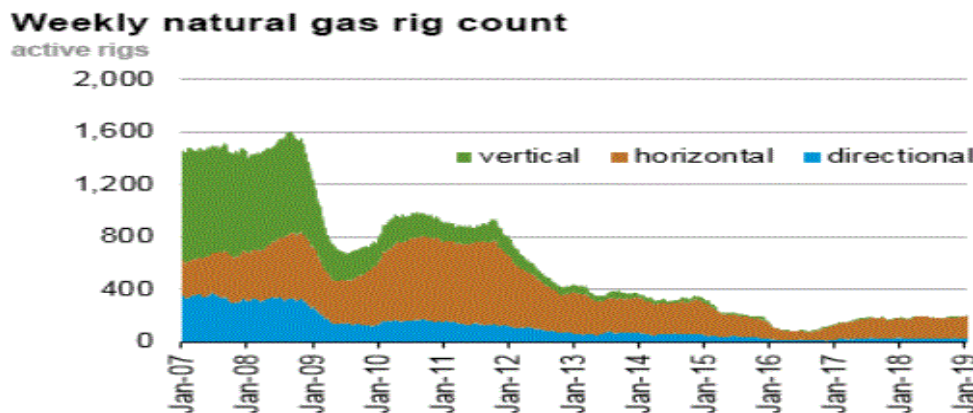
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-03-22	2019-03-15	change
East	225	245	-20
Midwest	248	268	-20
Mountain	62	62	0
Pacific	104	96	8
South Central	467	471	-4
Total	1,107	1,143	-36

Source: Form EIA-912, *Weekly Underground Natural Gas Storage Report*

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

EIA Natural Gas Rig Count



Source: Baker Hughes Inc.

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 2019	April 2019	change	March 2019	April 2019	change
Anadarko	390	396	6	2,836	2,847	11
Appalachia	144	144	-	15,630	15,930	300
Bakken	1,451	1,473	22	1,933	1,942	9
Eagle Ford	1,340	1,342	2	4,894	4,895	1
Haynesville	26	26	-	9,439	9,558	119
Niobrara	1,209	1,222	13	4,127	4,127	-
Permian	611	619	8	1,211	1,221	10
Rig-weighted average	664	678	14	3,692	3,801	109

Source: Energy Information Administration, *Drilling Productivity Report*