

National Mining Association

Weekly Statistical Summary

March 22, 2019 Edition
(Data for Week Ending March 16, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 11
Dated 03/22/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/16/19	03/17/18	% Chng	03/16/19	03/16/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	12,409	14,947	-17.0%	146,973	156,113	-5.9%
52 Weeks Ended	742,623	762,396	-2.6%			
AAR Coal Rail Cars Loaded:	72,190	85,939	-16.0%	854,681	899,180	-4.9%
DOC Coal Trade (000 Tons)						
Exports:						
	Dec 18/17		% Chng	Jan - Dec 18/17		% Chng
Metallurgical	4,914	5,022	-2.2%	61,513	55,255	11.3%
Steam *	3,995	4,433	-9.9%	53,831	41,383	30.1%
Lignite	8	7	14.3%	86	78	10.3%
Anthracite	4	37	-89.2%	254	293	-13.3%
Total	8,921	9,499	-6.1%	115,684	97,009	19.3%
Imports:						
	898	408	120.1%	5,954	7,777	-23.4%
EI Electric Total Output (Mil. Kwh)						
	Week Ended		% Chng	Cumulative Week 1 to		% Chng
	03/16/19	03/17/18		03/16/19	03/17/18	
EI Electric Total Output (Mil. Kwh)	70,792	72,648	-2.6%	857,672	862,886	-0.6%
EI Coal Region Output (Mil. Kwh)	60,659	62,543	-3.0%	737,738	743,978	-0.8%
AISI Raw Steel Output (000 Tons)	1,930	1,826	5.7%	20,310	19,035	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)	
	03/15/19	03/08/19	% Chng	Wed.	03/13/19
Central App, 12,500 Btu, 1.2 SO ₂	\$83.45	\$81.95	1.8%	Henry Hub	2.81
Northern App, 13,000 Btu, < 3.0 SO ₂	70.05	70.05	0.0%	New York	2.62
Illinois Basin, 11,800, 5.0 SO ₂	38.20	38.20	0.0%	Chicago	2.69
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.35	11.85	4.2%	Cal.Comp.Avg.	3.52
Uinta Basin, 11,700 Btu, 0.8 SO ₂	39.20	39.35	-0.4%		

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									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	3/16/2019 (week 11)	3/9/2019 (week 10)	3/17/2018 (week 11)	3/16/2019	3/16/2018	% Change	3/16/2019	3/17/2018	% Change
Alabama	268	286	311	3,171	3,244	-2.3	14,570	13,248	10.0
Alaska	15	14	19	168	196	-14.1	855	934	-8.5
Arizona	117	127	122	1,401	1,270	10.3	6,845	6,067	12.8
Arkansas	20	.
Colorado	224	248	261	2,705	2,725	-0.7	13,885	14,537	-4.5
Illinois	839	876	1,005	9,834	10,501	-6.4	48,197	48,009	0.4
Indiana	599	643	675	7,101	7,048	0.8	34,026	31,364	8.5
Kentucky Total	658	690	815	7,743	8,510	-9.0	38,575	40,529	-4.8
Eastern (KY)	295	309	356	3,471	3,720	-6.7	17,186	17,912	-4.1
Western (KY)	364	381	459	4,272	4,790	-10.8	21,389	22,617	-5.4
Louisiana	17	23	18	229	192	19.2	1,503	1,448	3.8
Maryland	20	19	30	223	315	-29.2	1,169	1,718	-32.0
Mississippi	48	54	51	579	532	8.8	2,845	2,503	13.7
Missouri	4	5	5	53	53	-1.3	256	247	3.6
Montana	656	694	722	7,763	7,537	3.0	38,452	36,607	5.0
New Mexico	108	117	161	1,304	1,683	-22.5	8,466	12,339	-31.4
North Dakota	509	541	600	6,038	6,268	-3.7	29,756	28,885	3.0
Ohio	149	139	195	1,672	2,038	-18.0	8,449	9,601	-12.0
Oklahoma	13	17	10	169	109	55.8	840	567	48.1
Pennsylvania Total	834	915	954	10,002	9,959	0.4	49,077	48,337	1.5
Anthracite (PA)	31	31	34	359	356	0.9	1,839	1,829	0.5
Bituminous (PA)	803	884	919	9,643	9,603	0.4	47,239	46,508	1.6
Tennessee	3	3	5	35	47	-26.0	188	348	-46.0
Texas	372	401	483	4,482	5,045	-11.2	26,173	33,920	-22.8
Utah	243	243	289	2,818	3,023	-6.8	13,804	14,344	-3.8
Virginia	211	218	267	2,470	2,789	-11.4	12,447	13,299	-6.4
West Virginia Total	1,705	1,766	1,865	19,915	19,476	2.3	97,009	92,148	5.3
Northern (WV)	767	825	884	9,146	9,228	-0.9	45,519	45,149	0.8
Southern (WV)	937	940	981	10,769	10,248	5.1	51,490	46,998	9.6
Wyoming	4,797	5,123	6,085	57,098	63,551	-10.2	295,236	311,377	-5.2
Appalachian Total	3,484	3,654	3,982	40,958	41,589	-1.5	200,094	196,611	1.8
Interior Total	2,255	2,400	2,707	26,719	28,272	-5.5	135,230	140,696	-3.9
Western Total	6,669	7,107	8,258	79,295	86,252	-8.1	407,299	425,089	-4.2
East of Mississippi River	5,333	5,609	6,172	62,744	64,460	-2.7	306,551	301,105	1.8
West of Mississippi River	7,076	7,553	8,775	84,229	91,652	-8.1	436,072	461,291	-5.5
Bituminous and Lignite	12,378	13,130	14,913	146,614	155,757	-5.9	740,784	760,567	-2.6
Anthracite	31	31	34	359	356	0.9	1,839	1,829	0.5
U.S. Total	12,409	13,161	14,947	146,973	156,113	-5.9	742,623	762,396	-2.6
Railroad Cars Loaded	72,190	76,562	85,939	854,681	899,180	-4.9	4,360,872	4,402,914	-1.0

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 11

OUTPUT FOR WEEK ENDED - Mar 16, 2019

Mar 20, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Mar 16, 2019** was **70,792** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **174** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended March 16		52 Weeks Ended March 16	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,164	-4.1	122,000	0.9
Mid-Atlantic	7,561	-7.2	440,178	2.6
Central Industrial	12,482	-4.8	684,482	2.9
West Central	5,943	3.6	339,026	2.9
Southeast	17,501	-6.8	1,043,410	1.2
South Central	12,379	1.4	761,984	3.1
Rocky Mountain	4,793	5.2	283,595	2.3
Pacific Northwest	3,375	10.5	158,140	0.6
Pacific Southwest	4,594	-4.1	275,696	-2.3
Total United States	70,792	-2.6	4,108,511	1.9

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Feb 23	78,684	Feb 24	73,792	6.6	Feb 23	4,098,069	1.7
Mar 02	76,183	Mar 03	71,725	6.2	Mar 02	4,102,527	1.8
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 16	857,672	Mar 17	862,886	-0.6	YEAR TO DATE, FIRST 11 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Feb 23	180	Feb 24	160	Feb 25	148
Mar 02	177	Mar 03	166	Mar 04	155
Mar 09	191	Mar 10	172	Mar 11	156
Mar 16	174	Mar 17	179	Mar 18	173

* 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		
	16-Mar 2019 GWh Output	17-Mar 2018 GWh Output	% Increase Over Corresponding Week of 2018	16-Mar 2019 GWh Output	17-Mar 2018 GWh Output	% Increase Over Corresponding Week of 2018	16-Mar 2019 GWh Output	17-Mar 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,164	2,258	-4.2%	26,481	26,690	-0.8%	122,000	120,952	0.9%
Mid-Atlantic	7,561	8,151	-7.2%	94,572	94,794	-0.2%	440,178	429,213	2.6%
Central Industrial	12,482	13,116	-4.8%	149,722	149,822	-0.1%	684,482	665,096	2.9%
West Central	5,943	5,737	3.6%	71,956	70,822	1.6%	339,026	329,325	2.9%
Southeast	17,501	18,774	-6.8%	215,875	224,366	-3.8%	1,043,410	1,030,854	1.2%
South Central	12,379	12,207	1.4%	147,482	148,440	-0.6%	761,984	739,304	3.1%
Rocky Mountain	4,793	4,558	5.2%	58,131	55,734	4.3%	283,595	277,281	2.3%
Pacific Northwest	3,375	3,056	10.4%	40,713	38,520	5.7%	158,140	157,256	0.6%
Pacific Southwest	4,594	4,791	-4.1%	52,741	53,697	-1.8%	275,696	282,091	-2.3%
Total United States ^{1/}	<u>70,792</u>	<u>72,648</u>	-2.6%	<u>857,673</u>	<u>862,885</u>	<u>-0.6%</u>	4,108,511	4,031,372	1.9%
Coal Regions Only ^{2/}	60,659	62,543	-3.0%	737,738	743,978	-0.8%	3,552,675	3,471,073	2.4%

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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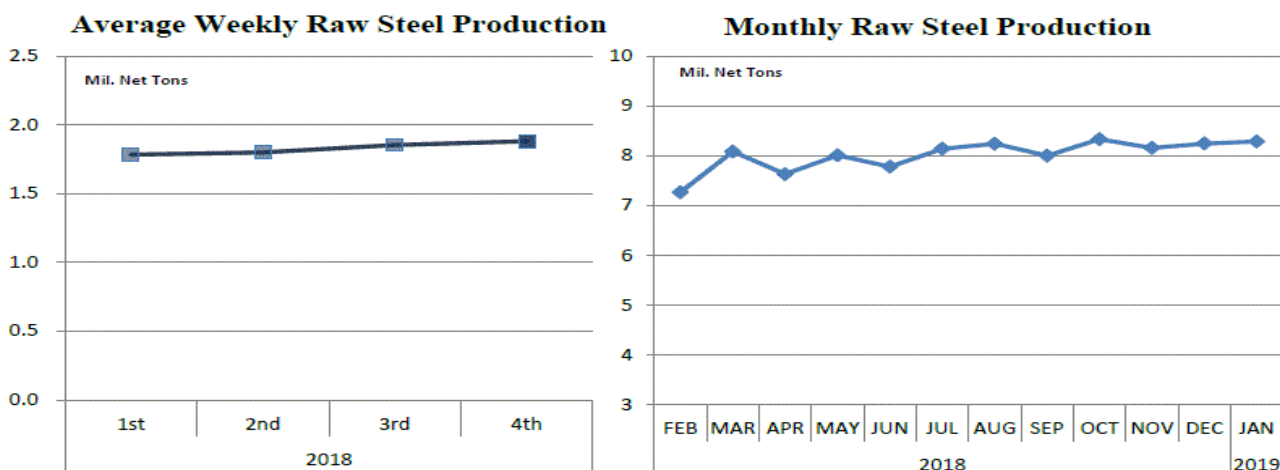
March 18, 2019

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</u>		
				<u>Mar 16</u>	<u>Mar. 9</u>	
<u>Week Ending</u>				North East	226	232
				Great Lakes	729	723
March 16, 2019	1,930	-0.6	82.9	Midwest	205	214
March 16, 2018	1,826	5.7	78.3	Southern	711	697
March 9, 2019	1,941	0.7	83.4	Western	59	75
				Total	1,930	1,941
<u>Year-to-Date +</u>						
March 16, 2019	20,310	6.7	81.4			
March 16, 2018	19,035	-	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 11, 2019 – Ended March 16, 2019

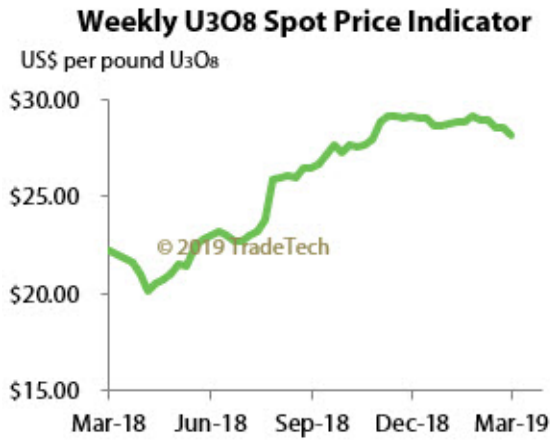
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	240,317	-8.8%	2,716,886	246,990	-1.7%
Chemicals	31,865	-4.7%	350,088	31,826	-0.3%
Coal	72,190	-16.0%	874,335	79,485	-4.9%
Farm Products excl. Grain, and Food	15,606	-2.8%	170,620	15,511	-3.0%
Forest Products	10,012	-0.4%	110,563	10,051	0.7%
Grain	18,619	-21.7%	232,915	21,174	-4.0%
Metallic Ores and Metals	20,990	-6.4%	228,345	20,759	0.2%
Motor Vehicles and Parts	17,926	4.7%	176,056	16,005	-1.3%
Nonmetallic Minerals	32,730	-7.2%	335,751	30,523	-2.5%
Petroleum and Petroleum Products	12,124	21.2%	137,777	12,525	21.5%
Other	8,255	-12.3%	100,436	9,131	-1.6%
Total Intermodal Units	260,684	-4.8%	2,942,205	267,473	-0.8%
Total Traffic	501,001	-6.8%	5,659,091	514,463	-1.3%

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

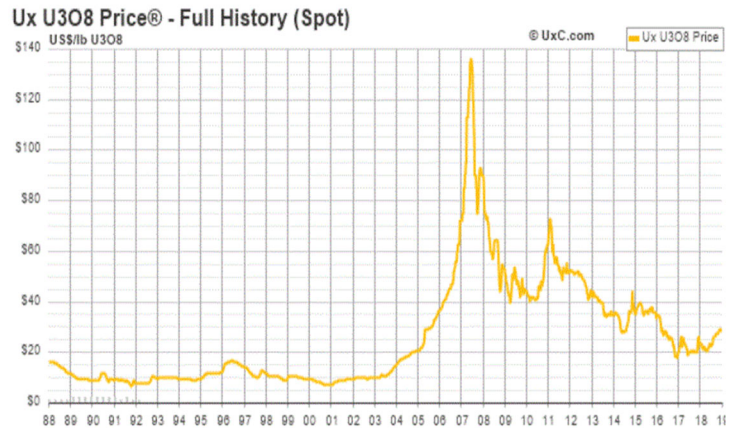
² Average per week figures may not sum to totals as a result of independent rounding.

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

Trade Tech's and UX's Uranium Price Indicators

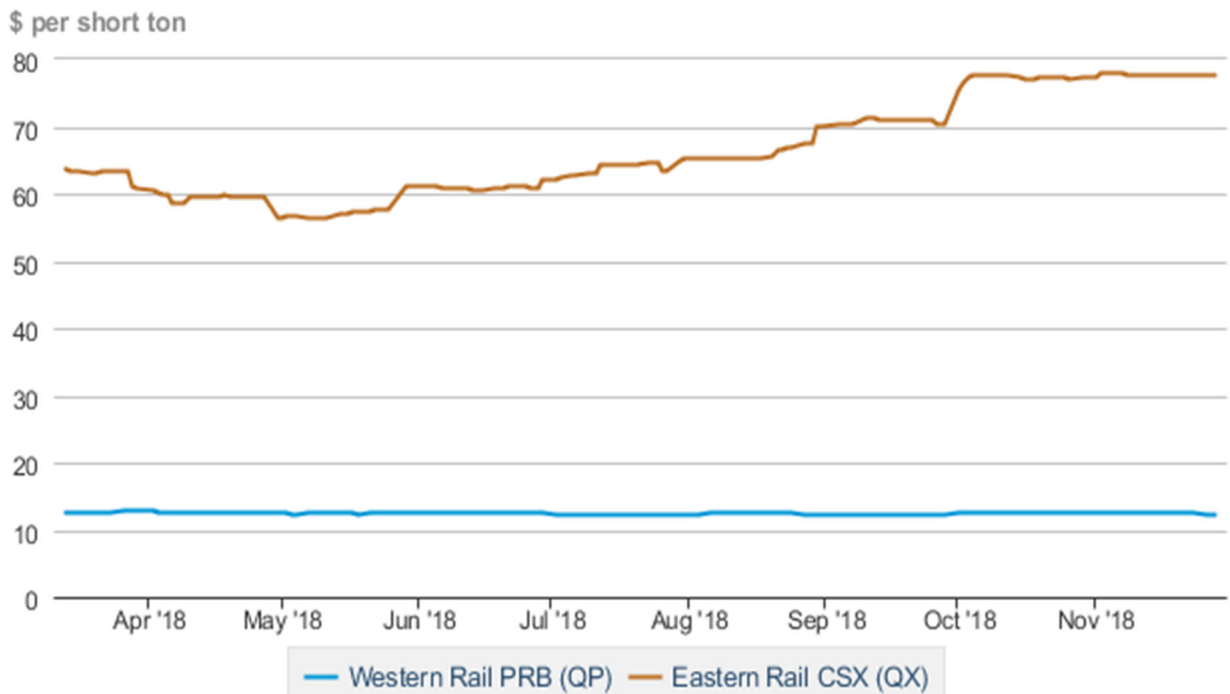


Ux U3O8 Price - Full History



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.

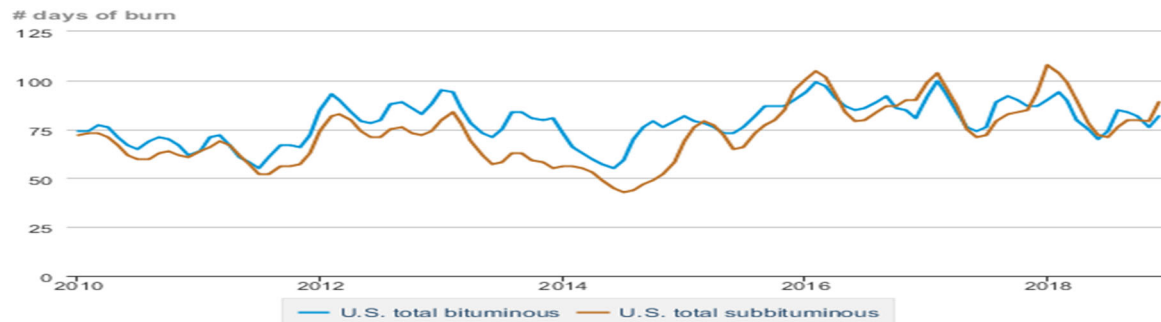
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	02/15/19	02/22/19	03/01/19	03/08/19	03/15/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$78.20	\$78.20	\$81.95	\$81.95	\$83.45	\$1.50
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$67.95	\$67.95	\$70.05	\$70.05	\$70.05	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$38.20	\$38.20	\$38.20	\$38.20	\$38.20	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.90	\$11.90	\$11.85	\$11.85	\$12.35	\$0.50
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$39.50	\$39.50	\$39.35	\$39.35	\$39.20	-\$0.15

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Mar 07)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	279	52	95	0	0	0
Middle Atlantic	272	59	77	0	0	0
E N Central	320	94	134	0	-1	0
W N Central	368	143	176	0	-1	0
South Atlantic	163	31	39	10	0	-1
E S Central	189	63	83	0	-3	0
W S Central	153	74	106	1	-8	-10
Mountain	199	24	15	1	0	1
Pacific	110	14	-19	0	-1	0
United States	232	63	78	2	-1	-1

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

Source: National Oceanic and Atmospheric Administration

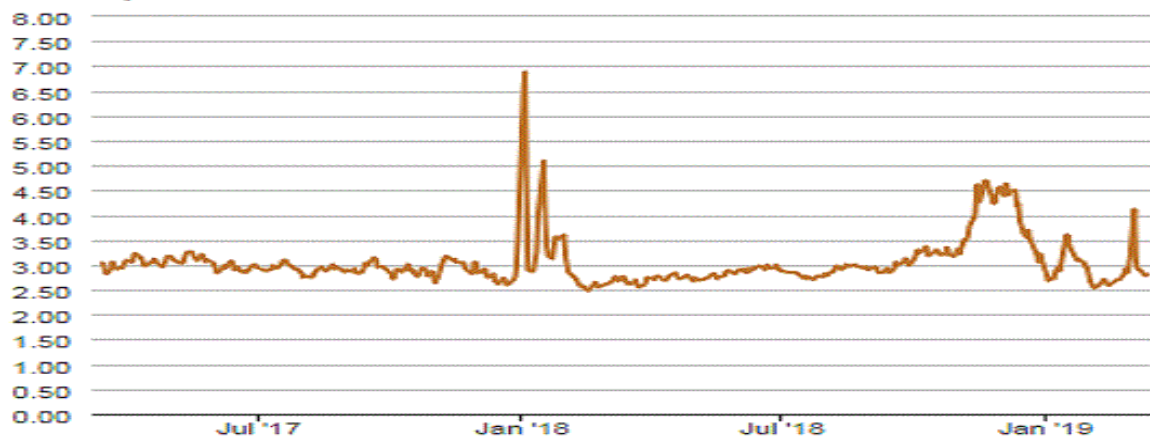
Source: Energy Information Administration, *Natural Gas Weekly Update*.

USGS Production of Selected Mineral Commodities	2018 Year to Date - 3rd Quarter	2017 Year to Date - 3rd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	624.0	628.0	-1%
Cement (Mil. Mt.)	64.7	63.2	2%
Copper (000 Mt.)	912.0	955.0	-5%
Gold (Mt.)	156.0	178.0	-12%
Gypsum (Mil. Mt.)	12.8	12.4	3%
Iron Ore (Mil. Mt.)	36.4	34.5	6%
Lead (000 Mt.)	W	228.0	N/A
Molybdenum (000 Mt.)	30.9	29.8	4%
Phosphate rock (Mil. Mt.)	20.1	20.8	-3%
Sand & gravel, construction (Mil. Mt.)	720.0	672.0	7%
Silver (Mt.)	675.0	779.0	-13%
Soda ash (Mil. Mt.)	8.8	8.8	0%
Stone, crushed (Mil. Mt.)	1,050.0	1,010.0	4%
Zinc (000 Mt.)	600.0	540.0	11%

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	December 2018		December 2017		% Change of Stocks	November 2018		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,408	132	3,813	72	-10.6%	3,287	104	3.7%
	Subbituminous	116	225	111	53	5.0%	146	102	-20.0%
South	Bituminous	19,364	83	26,563	91	-27.1%	19,207	77	0.8%
	Subbituminous	4,570	57	5,308	60	-13.9%	4,613	53	-0.9%
Midwest	Bituminous	8,373	64	12,933	79	-35.3%	8,859	66	-5.5%
	Subbituminous	28,020	109	37,214	96	-24.7%	27,946	95	0.3%
West	Bituminous	3,706	87	5,056	100	-26.7%	3,915	83	-5.3%
	Subbituminous	18,440	74	26,185	100	-29.6%	19,278	68	-4.3%
U.S. Total	Bituminous	34,852	82	48,365	87	-27.9%	35,268	76	-1.2%
	Subbituminous	51,146	89	68,818	94	-25.7%	51,982	79	-1.6%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

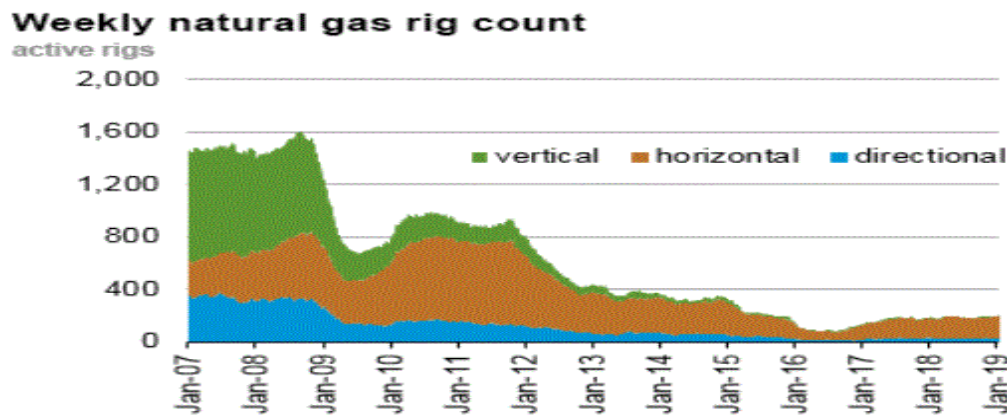
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2019-03-08	2019-03-01	change
East	262	311	-49
Midwest	287	338	-51
Mountain	66	73	-7
Pacific	102	112	-10
South Central	469	557	-88
Total	1,186	1,390	-204

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*