

National Mining Association

Weekly Statistical Summary

January 25, 2019 Edition
(Data for Week Ending January 19, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 3
Dated 01/25/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	01/19/19	01/20/18	% Chng	01/19/19	01/20/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	15,147	14,381	5.3%	38,896	36,120	7.7%
52 Weeks Ended	754,612	767,071	-1.6%			
AAR Coal Rail Cars Loaded:	87,906	82,683	6.3%	226,287	209,286	8.1%
Coal Production Month Ended - Dec.	Dec 18/17		% Chng	Jan - Dec 18/17		% Chng
	63,000	63,220	-0.3%	753,706	774,609	-2.7%
DOC Coal Trade (000 Tons)						
Exports:	Oct 18/17		% Chng	Jan - Oct 18/17		% Chng
Metallurgical	5,836	4,661	25.2%	52,176	45,127	15.6%
Steam *	4,816	4,490	7.3%	45,444	32,518	39.8%
Lignite	6	6	0.0%	71	65	9.2%
Anthracite	28	6	366.7%	195	242	-19.4%
Total	10,686	9,163	16.6%	97,886	77,952	25.6%
Imports:	304	582	-47.8%	4,656	7,002	-33.5%
	Week Ended			Cumulative Week 1 to		
	01/19/19	01/20/18	% Chng	01/19/19	01/20/18	% Chng
EI Electric Total Output (Mil. Kwh)	79,211	87,813	-9.8%	230,324	262,528	-12.3%
EI Coal Region Output (Mil. Kwh)	68,214	76,871	-11.3%	197,878	229,111	-13.6%
AISI Raw Steel Output (000 Tons)	1,912	1,715	11.5%	5,143	4,655	10.5%

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)	
	01/18/19	01/11/19	% Chng	Wed.	01/16/19
Central App, 12,500 Btu, 1.2 SO ₂	\$79.50	\$83.90	-5.2%	Henry Hub	3.61
Northern App, 13,000 Btu, < 3.0 SO ₂	67.70	65.70	3.0%	New York	4.04
Illinois Basin, 11,800, 5.0 SO ₂	38.95	38.95	0.0%	Chicago	3.52
Powder River Basin, 8,800 Btu 0.8 SO ₂	13.10	11.90	10.1%	Cal.Comp.Avg.	4.43
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.10	40.25	-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									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	1/19/2019 (week 3)	1/12/2019 (week 2)	1/20/2018 (week 3)	1/19/2019	1/19/2018	% Change	1/19/2019	1/20/2018	% Change
Alabama	323	326	299	838	751	11.6	14,732	12,875	14.4
Alaska	18	18	18	45	45	-1.0	882	947	-6.9
Arizona	144	141	117	370	294	26.0	6,790	6,145	10.5
Arkansas	37	.
Colorado	278	272	251	713	630	13.2	13,989	14,836	-5.7
Illinois	1,006	1,018	967	2,602	2,430	7.1	49,041	47,937	2.3
Indiana	723	727	649	1,874	1,631	15.0	34,220	31,250	9.5
Kentucky Total	795	799	784	2,049	1,969	4.1	39,427	41,233	-4.4
Eastern (KY)	358	358	343	919	861	6.8	17,495	18,022	-2.9
Western (KY)	437	441	441	1,130	1,108	2.0	21,932	23,210	-5.5
Louisiana	24	21	18	60	45	34.7	1,482	1,905	-22.2
Maryland	23	24	29	60	73	-18.4	1,248	1,776	-29.7
Mississippi	59	58	49	152	123	23.6	2,827	2,562	10.3
Missouri	5	5	5	14	12	12.8	259	244	6.1
Montana	800	797	694	2,055	1,744	17.8	38,541	35,393	8.9
New Mexico	138	131	155	346	389	-11.2	8,803	13,395	-34.3
North Dakota	623	618	577	1,598	1,450	10.2	30,137	28,642	5.2
Ohio	175	180	188	447	472	-5.2	8,791	9,463	-7.1
Oklahoma	17	16	10	44	25	74.5	798	560	42.5
Pennsylvania Total	1,021	1,013	917	2,638	2,304	14.5	49,372	48,646	1.5
Anthracite (PA)	37	38	33	95	82	15.9	1,848	1,880	-1.7
Bituminous (PA)	985	974	885	2,542	2,222	14.4	47,524	46,766	1.6
Tennessee	4	4	4	9	11	-14.8	199	408	-51.2
Texas	474	451	465	1,189	1,167	1.9	26,761	35,586	-24.8
Utah	294	296	279	750	700	7.2	14,061	14,248	-1.3
Virginia	254	256	257	654	645	1.4	12,776	13,518	-5.5
West Virginia Total	2,040	2,069	1,794	5,274	4,506	17.0	97,347	92,108	5.7
Northern (WV)	942	931	850	2,418	2,135	13.3	45,889	46,072	-0.4
Southern (WV)	1,097	1,138	944	2,855	2,371	20.4	51,458	46,036	11.8
Wyoming	5,909	5,824	5,854	15,114	14,704	2.8	302,128	313,357	-3.6
Appalachian Total	4,198	4,229	3,831	10,838	9,622	12.6	201,960	196,817	2.6
Interior Total	2,745	2,738	2,604	7,066	6,541	8.0	137,321	143,290	-4.2
Western Total	8,205	8,096	7,945	20,991	19,956	5.2	415,331	426,964	-2.7
East of Mississippi River	6,423	6,473	5,938	16,598	14,914	11.3	309,981	301,776	2.7
West of Mississippi River	8,724	8,589	8,443	22,298	21,206	5.2	444,631	465,294	-4.4
Bituminous and Lignite	15,110	15,024	14,348	38,800	36,038	7.7	752,763	765,190	-1.6
Anthracite	37	38	33	95	82	15.9	1,848	1,880	-1.7
U.S. Total	15,147	15,062	14,381	38,896	36,120	7.7	754,612	767,071	-1.6
Railroad Cars Loaded	87,906	87,228	82,683	226,287	209,286	8.1	4,422,796	4,399,045	0.5

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 3

OUTPUT FOR WEEK ENDED - Jan 19, 2019

Jan 23, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Jan 19, 2019** was **79,211** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **184** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended January 19		52 Weeks Ended January 19	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,505	-4.0	121,336	0.0
Mid-Atlantic	9,013	-4.1	437,052	2.0
Central Industrial	13,633	-7.2	679,490	2.6
West Central	6,214	-10.4	335,650	2.5
Southeast	20,394	-16.6	1,037,037	1.1
South Central	13,457	-16.4	756,609	3.2
Rocky Mountain	5,503	3.7	281,841	1.6
Pacific Northwest	3,650	5.9	155,997	-0.9
Pacific Southwest	4,842	-0.9	276,508	-2.2
Total United States	79,211	-9.8	4,081,520	1.6

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Dec 29	73,118	Dec 30	82,002	-10.8	Dec 29	4,113,724	3.1
Jan 05	74,073	Jan 06	93,331	-20.6	Jan 05	4,094,465	2.3
Jan 12	77,040	Jan 13	81,383	-5.3	Jan 12	4,090,123	2.2
Jan 19	79,211	Jan 20	87,813	-9.8	Jan 19	4,081,520	1.6
Jan 19	230,324	Jan 20	262,528	-12.3	YEAR TO DATE, FIRST 3 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Dec 29	172	Dec 30	218	Dec 31	181
Jan 05	176	Jan 06	210	Jan 07	188
Jan 12	177	Jan 13	175	Jan 14	177
Jan 19	184	Jan 20	191	Jan 21	161

* 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		
	19-Jan 2019 GWh Output	20-Jan 2018 GWh Output	% Increase Over Corresponding Week of 2018	19-Jan 2019 GWh Output	20-Jan 2018 GWh Output	% Increase Over Corresponding Week of 2018	19-Jan 2019 GWh Output	20-Jan 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,505	2,609	-4.0%	7,247	8,122	-10.8%	121,336	121,366	0.0%
Mid-Atlantic	9,013	9,402	-4.1%	25,627	28,976	-11.6%	437,052	428,311	2.0%
Central Industrial	13,633	14,696	-7.2%	39,599	44,689	-11.4%	679,490	662,333	2.6%
West Central	6,214	6,935	-10.4%	18,791	21,033	-10.7%	335,650	327,398	2.5%
Southeast	20,394	24,441	-16.6%	57,590	72,452	-20.5%	1,037,037	1,026,223	1.1%
South Central	13,457	16,091	-16.4%	39,714	46,048	-13.8%	756,609	732,982	3.2%
Rocky Mountain	5,503	5,306	3.7%	16,557	15,913	4.0%	281,841	277,422	1.6%
Pacific Northwest	3,650	3,445	6.0%	10,672	10,621	0.5%	155,997	157,487	-0.9%
Pacific Southwest	4,842	4,888	-0.9%	14,527	14,673	-1.0%	276,508	282,849	-2.2%
Total United States ^{1/}	79,211	87,813	-9.8%	230,324	262,527	-12.3%	4,081,520	4,016,371	1.6%
Coal Regions Only ^{2/}	68,214	76,871	-11.3%	197,878	229,111	-13.6%	3,527,679	3,454,669	2.1%

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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January 21, 2019

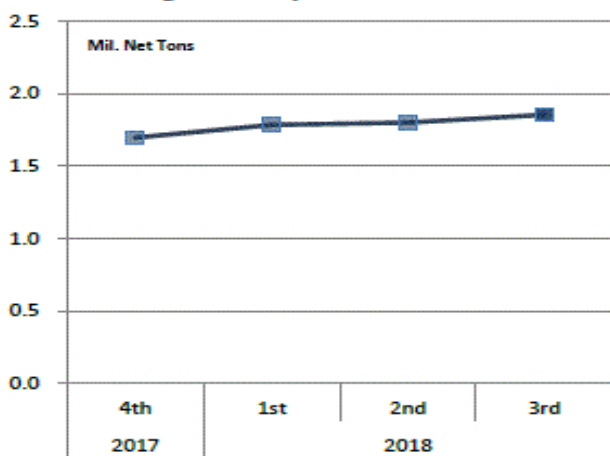
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Jan. 19</u>	<u>Week Ending Jan. 12</u>	
<u>Week Ending</u>				North East	219	223
				Great Lakes	739	731
January 19, 2019	1,912	1.1	80.7	Midwest	201	206
January 19, 2018	1,715	11.5	73.6	Southern	670	654
January 12, 2019	1,891	0.8	79.8	Western	83	77
				Total	1,912	1,891
<u>Year-to-Date +</u>						
January 19, 2019	5,143	10.5	80.0			
January 19, 2018	4,655	-	73.6			

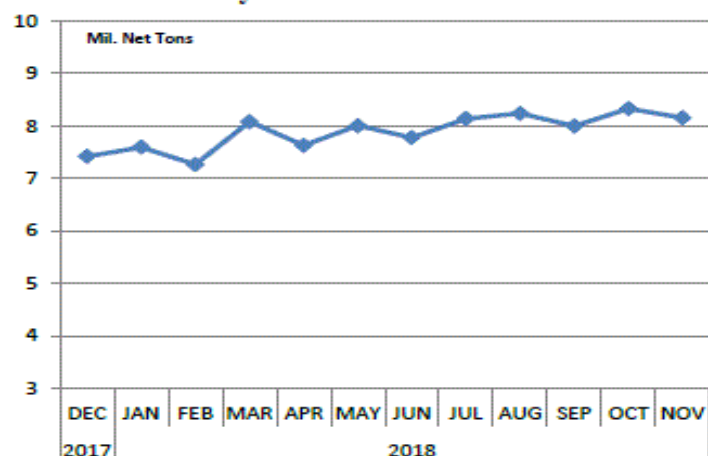
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 fourth quarter 2018 is approximately 30.8 million net tons vs. 30.6 million net tons for the same period last year, and 30.8 million tons for the third quarter of 2018.

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 3, 2019 – Ended January 19, 2019

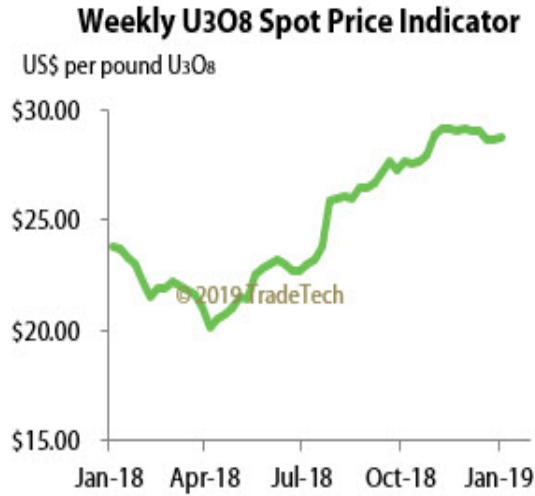
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	258,833	7.4%	746,832	248,944	8.1%
Chemicals	31,827	6.3%	94,649	31,550	5.1%
Coal	87,906	6.7%	245,941	81,980	7.7%
Farm Products excl. Grain, and Food	15,357	-2.4%	46,879	15,626	4.1%
Forest Products	10,673	4.4%	30,477	10,159	6.6%
Grain	22,913	-1.8%	68,101	22,700	4.9%
Metallic Ores and Metals	20,697	7.3%	66,925	22,308	13.6%
Motor Vehicles and Parts	16,422	12.8%	41,204	13,735	2.4%
Nonmetallic Minerals	29,994	13.7%	86,472	28,824	9.8%
Petroleum and Petroleum Products	13,710	29.8%	39,692	13,231	27.2%
Other	9,334	7.7%	26,492	8,831	6.4%
Total Intermodal Units	284,278	6.5%	787,509	262,503	5.7%
Total Traffic	543,111	6.9%	1,534,341	511,447	6.9%

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.

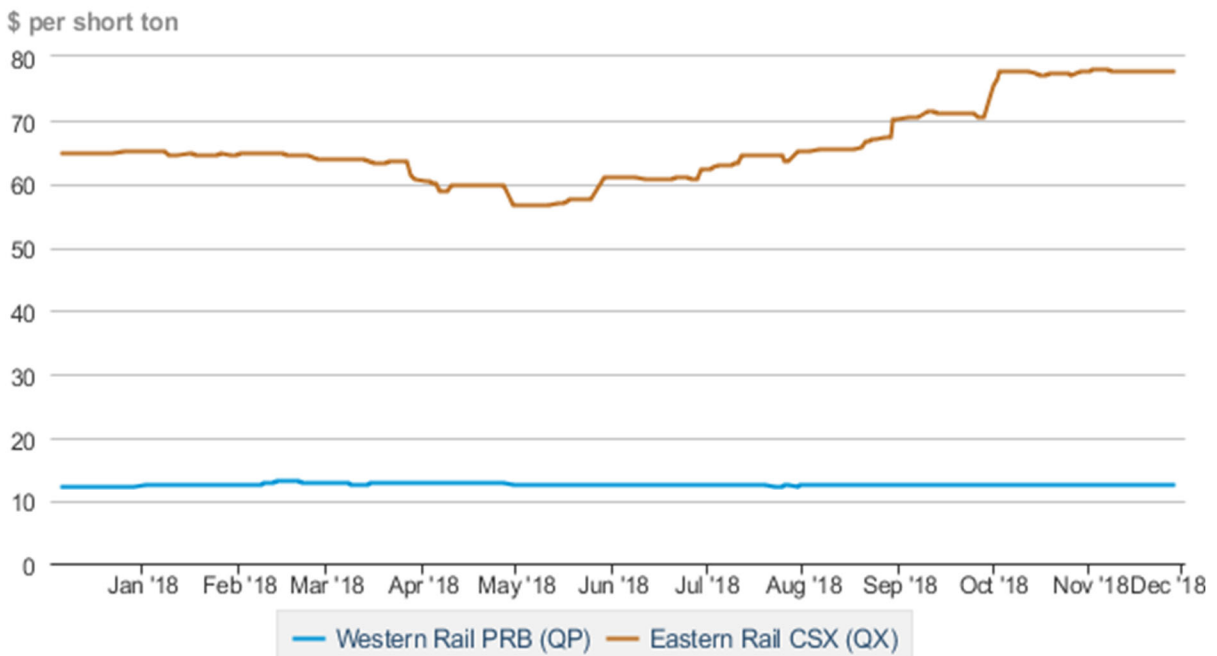
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's and UX's Uranium Price Indicators



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.

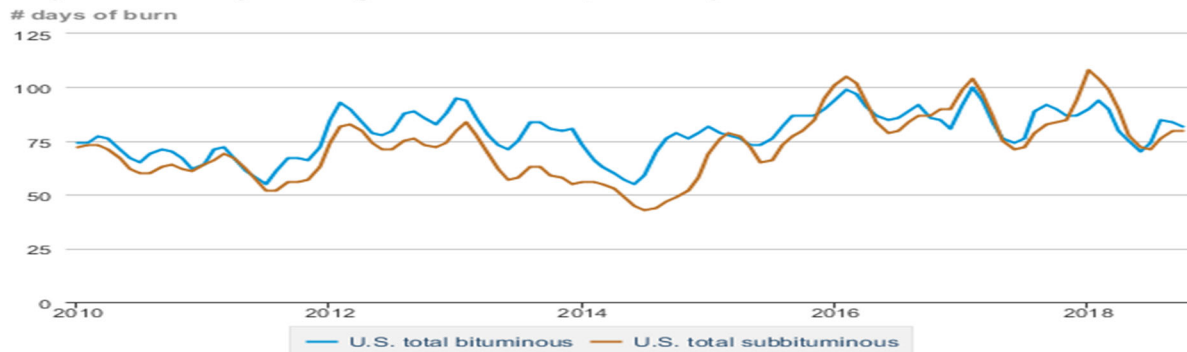
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	12/21/18	12/28/18	01/04/19	01/11/19	01/18/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$81.40	\$81.40	\$83.90	\$83.90	\$79.50	-\$4.40
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$63.75	\$63.75	\$65.70	\$65.70	\$67.70	\$2.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$38.95	\$38.95	\$38.95	\$38.95	\$38.95	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.95	\$11.95	\$11.90	\$11.90	\$13.10	\$1.20
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.40	\$40.40	\$40.25	\$40.25	\$40.10	-\$0.15

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Jan 10)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	220	-51	-113	0	0	0
Middle Atlantic	207	-52	-125	0	0	0
E N Central	207	-86	-121	0	0	0
W N Central	215	-102	-90	0	0	0
South Atlantic	122	-60	-125	7	-1	3
E S Central	119	-70	-104	0	-2	0
W S Central	87	-54	-39	2	-1	2
Mountain	200	-37	31	0	0	0
Pacific	116	-9	35	0	0	0
United States	167	-58	-72	2	0	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)



eia 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	October 2018		October 2017		% Change of Stocks	September 2018		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,258	94	4,714	90	-30.9%	2,831	84	15.1%
	Subbituminous	163	113	146	99	11.3%	163	139	0.0%
South	Bituminous	18,869	82	27,570	92	-31.6%	18,000	86	4.8%
	Subbituminous	4,605	56	5,359	64	-14.1%	4,669	59	-1.4%
Midwest	Bituminous	9,249	74	13,270	83	-30.3%	8,876	78	4.2%
	Subbituminous	27,720	91	37,508	84	-26.1%	26,385	88	5.1%
West	Bituminous	4,205	91	5,312	91	-20.8%	4,301	92	-2.2%
	Subbituminous	20,242	76	26,295	89	-23.0%	20,223	77	0.1%
U.S. Total	Bituminous	35,582	82	50,867	90	-30.0%	34,008	84	4.6%
	Subbituminous	52,729	80	69,308	84	-23.9%	51,440	80	2.5%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

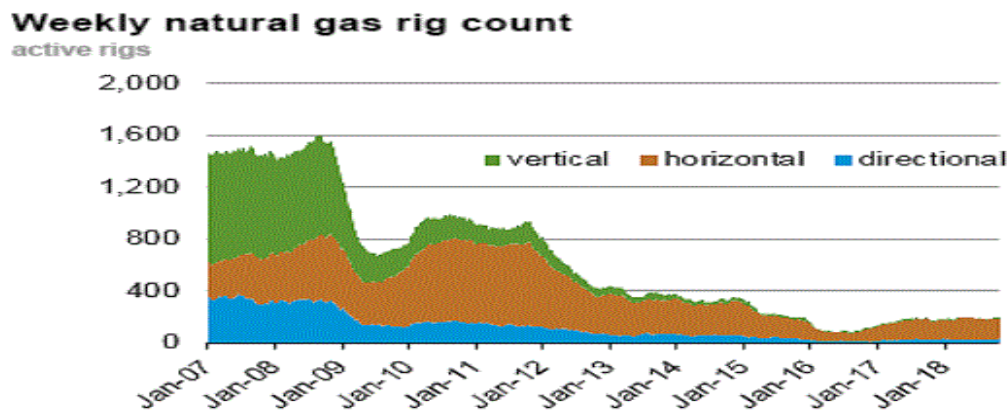
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-01-11	2019-01-04	chang
East	620	651	-31
Midwest	729	763	-34
Mountain	127	132	-5
Pacific	196	204	-8
South Central	861	865	-4
Total	2,533	2,614	-81

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		
	January 2019	February 2019	change	January 2019	February 2019	change
Anadarko	386	386	-	2,823	2,823	-
Appalachia	147	147	-	15,000	15,300	300
Bakken	1,460	1,447	(13)	1,897	1,897	-
Eagle Ford	1,348	1,336	(12)	5,498	5,535	37
Haynesville	26	27	1	9,054	9,194	140
Niobrara	1,179	1,180	1	4,313	4,300	(13)
Permian	555	555	-	1,187	1,187	-
Rig-weighted average	628	632	4	3,576	3,629	53

Source: Energy Information Administration, *Drilling Productivity Report*