

National Mining Association

Weekly Statistical Summary

March 1, 2019 Edition
(Data for Week Ending February 23, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 8
Dated 03/01/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	02/23/19	02/24/18	% Chng	02/23/19	02/24/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,934	14,888	0.3%	107,890	111,780	-3.5%
52 Weeks Ended	747,880	762,023	-1.9%			
AAR Coal Rail Cars Loaded:	86,854	85,600	1.5%	627,333	644,288	-2.6%
Coal Production Month Ended - Jan.	Jan 19/18		% Chng	Jan - Jan 19/18		% Chng
	62,479	61,937	0.9%	62,479	61,937	0.9%
DOC Coal Trade (000 Tons)						
Exports:	Nov 18/17		% Chng	Jan - Nov 18/17		% Chng
Metallurgical	4,423	5,105	-13.4%	56,599	50,232	12.7%
Steam *	4,393	4,433	-0.9%	49,836	36,950	34.9%
Lignite	7	6	16.7%	78	71	9.9%
Anthracite	55	14	292.9%	250	256	-2.3%
Total	8,878	9,558	-7.1%	106,763	87,509	22.0%
Imports:	400	368	8.7%	5,056	7,369	-31.4%
	Week Ended			Cumulative Week 1 to		
	02/23/19	02/24/18	% Chng	02/23/19	02/24/18	% Chng
EI Electric Total Output (Mil. Kwh)	78,684	73,792	6.6%	629,245	644,899	-2.4%
EI Coal Region Output (Mil. Kwh)	67,537	62,590	7.9%	541,477	557,253	-2.8%
AISI Raw Steel Output (000 Tons)	1,907	1,817	5.0%	14,644	13,564	8.0%

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)	
	02/22/19	02/15/19	% Chng	Wed.	02/20/19
Central App, 12,500 Btu, 1.2 SO ₂	\$78.20	\$78.20	0.0%	Henry Hub	2.71
Northern App, 13,000 Btu, < 3.0 SO ₂	67.95	67.95	0.0%	New York	2.69
Illinois Basin, 11,800, 5.0 SO ₂	38.20	38.20	0.0%	Chicago	2.68
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.90	11.90	0.0%	Cal.Comp.Avg.	9.28
Uinta Basin, 11,700 Btu, 0.8 SO ₂	39.50	39.50	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. 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		
	2/23/2019 (week 8)	2/16/2019 (week 7)	2/24/2018 (week 8)	2/23/2019	2/23/2018	% Change	2/23/2019	2/24/2018	% Change
Alabama	323	299	309	2,328	2,323	0.2	14,649	13,075	12.0
Alaska	18	15	19	124	140	-11.9	866	936	-7.5
Arizona	140	133	121	1,028	909	13.1	6,833	6,078	12.4
Arkansas	26	.
Colorado	269	260	260	1,985	1,951	1.7	13,939	14,607	-4.6
Illinois	1,009	917	1,001	7,222	7,519	-4.0	48,567	47,848	1.5
Indiana	721	673	672	5,214	5,046	3.3	34,141	31,233	9.3
Kentucky Total	792	722	812	5,685	6,093	-6.7	38,934	40,667	-4.3
Eastern (KY)	355	323	355	2,548	2,663	-4.3	17,319	17,903	-3.3
Western (KY)	438	399	457	3,137	3,430	-8.5	21,615	22,764	-5.0
Louisiana	21	24	18	168	138	22.0	1,497	1,607	-6.8
Maryland	24	20	30	164	226	-27.4	1,199	1,734	-30.9
Mississippi	58	56	51	425	381	11.5	2,842	2,517	12.9
Missouri	5	5	5	39	38	1.2	258	245	5.3
Montana	790	726	719	5,699	5,396	5.6	38,529	36,082	6.8
New Mexico	130	122	161	956	1,205	-20.7	8,597	12,689	-32.2
North Dakota	613	566	598	4,432	4,488	-1.2	29,930	28,718	4.2
Ohio	179	146	194	1,228	1,460	-15.9	8,584	9,526	-9.9
Oklahoma	16	18	10	124	78	59.5	826	563	46.7
Pennsylvania Total	1,004	958	950	7,342	7,131	3.0	49,246	48,317	1.9
Anthracite (PA)	38	32	34	264	255	3.6	1,844	1,842	0.1
Bituminous (PA)	966	925	916	7,078	6,876	2.9	47,402	46,475	2.0
Tennessee	4	3	5	26	34	-24.3	192	368	-47.8
Texas	447	419	481	3,287	3,613	-9.0	26,411	34,442	-23.3
Utah	293	254	288	2,069	2,165	-4.4	13,913	14,271	-2.5
Virginia	254	229	266	1,814	1,997	-9.2	12,583	13,340	-5.7
West Virginia Total	2,051	1,848	1,857	14,625	13,945	4.9	97,251	91,882	5.8
Northern (WV)	923	864	880	6,713	6,607	1.6	45,707	45,355	0.8
Southern (WV)	1,128	984	977	7,913	7,338	7.8	51,544	46,526	10.8
Wyoming	5,774	5,362	6,061	41,907	45,504	-7.9	298,095	311,252	-4.2
Appalachian Total	4,193	3,825	3,966	30,075	29,778	1.0	201,023	196,145	2.5
Interior Total	2,715	2,512	2,696	19,615	20,243	-3.1	136,156	141,244	-3.6
Western Total	8,027	7,440	8,226	58,199	61,758	-5.8	410,701	424,633	-3.3
East of Mississippi River	6,418	5,871	6,148	46,073	46,155	-0.2	308,188	300,507	2.6
West of Mississippi River	8,516	7,906	8,741	61,817	65,625	-5.8	439,693	461,515	-4.7
Bituminous and Lignite	14,896	13,744	14,854	107,626	111,525	-3.5	746,036	760,180	-1.9
Anthracite	38	32	34	264	255	3.6	1,844	1,842	0.1
U.S. Total	14,934	13,776	14,888	107,890	111,780	-3.5	747,880	762,023	-1.9
Railroad Cars Loaded	86,854	80,105	85,600	627,333	644,288	-2.6	4,388,459	4,389,931	s

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 8

OUTPUT FOR WEEK ENDED - Feb 23, 2019

Feb 27, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Feb 23, 2019** was **78,684** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **180** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended February 23		52 Weeks Ended February 23	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,375	8.2	121,698	0.3
Mid-Atlantic	8,408	8.8	439,349	2.3
Central Industrial	13,597	7.0	682,606	2.6
West Central	6,554	4.5	337,381	2.5
Southeast	19,975	13.3	1,041,917	1.1
South Central	13,581	3.6	758,726	2.8
Rocky Mountain	5,422	5.2	283,158	2.1
Pacific Northwest	3,848	-3.7	157,115	0.0
Pacific Southwest	4,924	-1.8	276,120	-2.1
Total United States	78,684	6.6	4,098,069	1.7

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Feb 02	82,990	Feb 03	77,889	6.5	Feb 02	4,093,960	1.9
Feb 09	76,185	Feb 10	79,445	-4.1	Feb 09	4,090,700	1.7
Feb 16	77,789	Feb 17	75,312	3.3	Feb 16	4,093,178	1.7
Feb 23	78,684	Feb 24	73,792	6.6	Feb 23	4,098,069	1.7
Feb 23	629,245	Feb 24	644,899	-2.4	YEAR TO DATE, FIRST 8 WEEKS		

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

Week Ended	2019	Week Ended	2018	Week Ended	2017
Feb 02	182	Feb 03	162	Feb 04	160
Feb 09	165	Feb 10	165	Feb 11	155
Feb 16	175	Feb 17	161	Feb 18	154
Feb 23	180	Feb 24	160	Feb 25	148

* 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		
	23-Feb 2019 GWh Output	24-Feb 2018 GWh Output	% Increase Over Corresponding Week of 2018	23-Feb 2019 GWh Output	24-Feb 2018 GWh Output	% Increase Over Corresponding Week of 2018	23-Feb 2019 GWh Output	24-Feb 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,375	2,194	8.2%	19,493	20,006	-2.6%	121,698	121,365	0.3%
Mid-Atlantic	8,408	7,724	8.9%	69,801	70,853	-1.5%	439,349	429,507	2.3%
Central Industrial	13,597	12,706	7.0%	109,568	111,542	-1.8%	682,606	665,142	2.6%
West Central	6,554	6,270	4.5%	52,917	53,429	-1.0%	337,381	329,310	2.5%
Southeast	19,975	17,629	13.3%	158,490	168,473	-5.9%	1,041,917	1,030,856	1.1%
South Central	13,581	13,106	3.6%	107,386	111,602	-3.8%	758,726	738,348	2.8%
Rocky Mountain	5,422	5,155	5.2%	43,315	41,354	4.7%	283,158	277,277	2.1%
Pacific Northwest	3,848	3,995	-3.7%	29,618	28,450	4.1%	157,115	157,188	0.0%
Pacific Southwest	4,924	5,013	-1.8%	38,657	39,190	-1.4%	276,120	282,066	-2.1%
Total United States ^{1/}	<u>78,684</u>	<u>73,792</u>	6.6%	<u>629,245</u>	<u>644,899</u>	-2.4%	4,098,070	4,031,059	1.7%
Coal Regions Only ^{2/}	67,537	62,590	7.9%	541,477	557,253	-2.8%	3,543,137	3,470,440	2.1%

Notes: EEl 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. EEl 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 (EEl), *Weekly Electric Output Report*.

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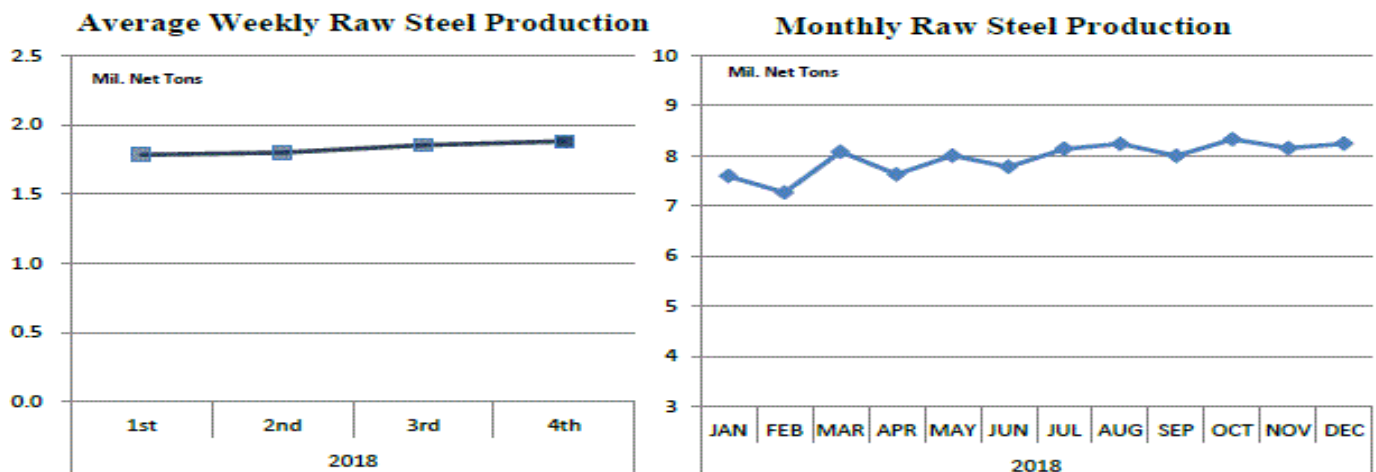
February 25, 2019

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>Feb 23</u>	<u>Feb.16</u>	
<u>Week Ending</u>				North East	211	219
				Great Lakes	682	661
February 23, 2019	1,907	1.1	81.9	Midwest	205	206
February 23, 2018	1,817	5.0	77.9	Southern	736	726
February 16, 2019	1,886	-0.6	81.0	Western	73	74
				Total	1,907	1,886
<u>Year-to-Date +</u>						
February 23, 2019	14,644	8.0	80.9			
February 23, 2018	13,564	-	75.7			

*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.



*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 8, 2019 – Ended February 23, 2019

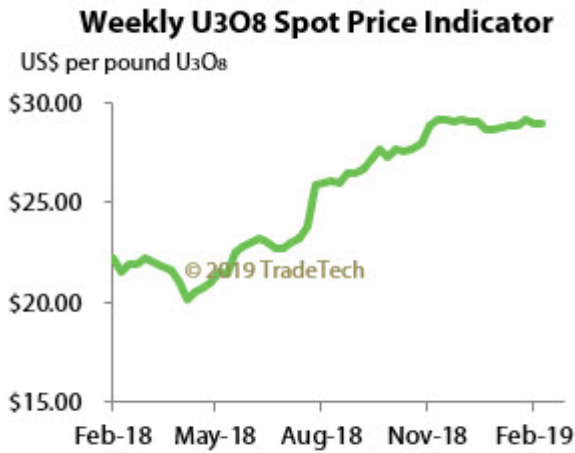
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	256,954	2.0%	1,987,943	248,493	0.4%
Chemicals	30,982	-1.9%	253,351	31,669	1.0%
Coal	86,854	1.3%	646,987	80,873	-2.5%
Farm Products excl. Grain, and Food	15,792	-4.3%	124,334	15,542	-1.7%
Forest Products	10,421	2.8%	81,287	10,161	1.7%
Grain	21,695	8.2%	174,763	21,845	1.2%
Metallic Ores and Metals	21,051	0.1%	166,755	20,844	2.0%
Motor Vehicles and Parts	16,705	-4.7%	122,915	15,364	-2.5%
Nonmetallic Minerals	31,517	0.0%	240,870	30,109	-0.2%
Petroleum and Petroleum Products	12,188	21.2%	103,113	12,889	22.8%
Other	9,749	23.8%	73,568	9,196	2.2%
Total Intermodal Units	265,676	-3.9%	2,133,036	266,630	-0.1%
Total Traffic	522,630	-1.1%	4,120,979	515,122	0.1%

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

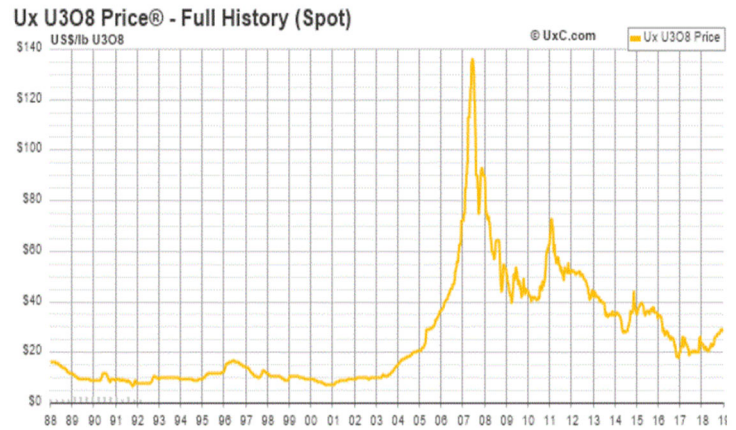
² Average per week figures may not sum to totals as a result of independent rounding.

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

Trade Tech's and UX's Uranium Price Indicators

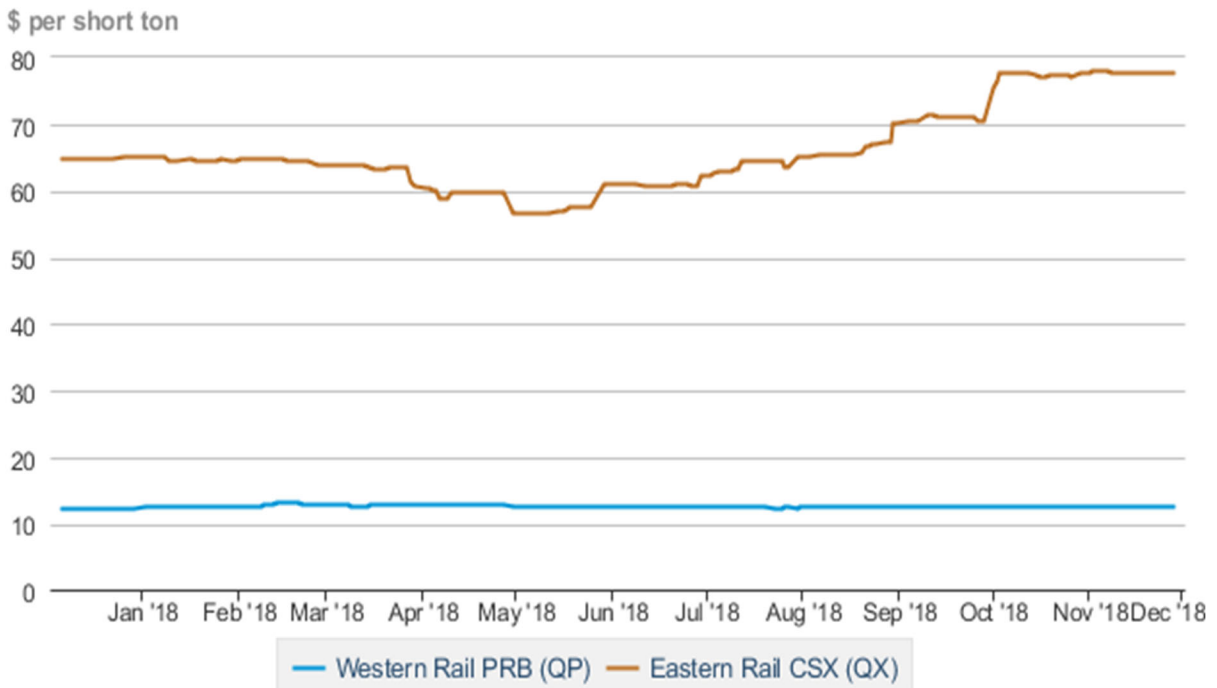


Ux U3O8 Price - Full History



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.

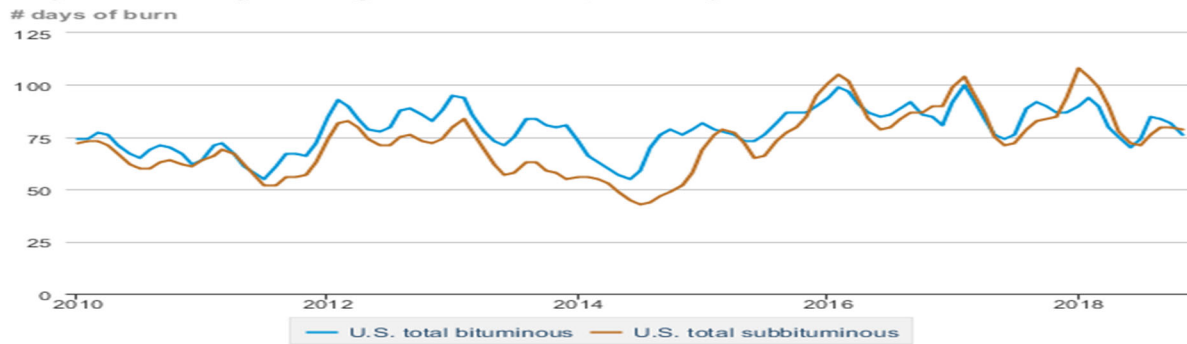
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	01/25/19	02/01/19	02/08/19	02/15/19	02/22/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$79.50	\$79.50	\$79.50	\$78.20	\$78.20	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$67.70	\$67.70	\$67.70	\$67.95	\$67.95	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$38.95	\$38.95	\$38.95	\$38.20	\$38.20	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$13.10	\$13.10	\$13.10	\$11.90	\$11.90	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.10	\$40.10	\$40.10	\$39.50	\$39.50	\$0.00

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Feb 14)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	243	-22	19	0	0	0
Middle Atlantic	235	-17	14	0	0	0
E N Central	279	5	-18	0	0	0
W N Central	318	38	-8	0	0	0
South Atlantic	141	-24	24	12	5	-6
E S Central	142	-22	16	0	0	0
W S Central	125	11	-2	1	-3	0
Mountain	235	28	46	0	-1	0
Pacific	150	45	60	0	0	0
United States	214	9	15	2	1	-1

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

Source: National Oceanic and Atmospheric Administration

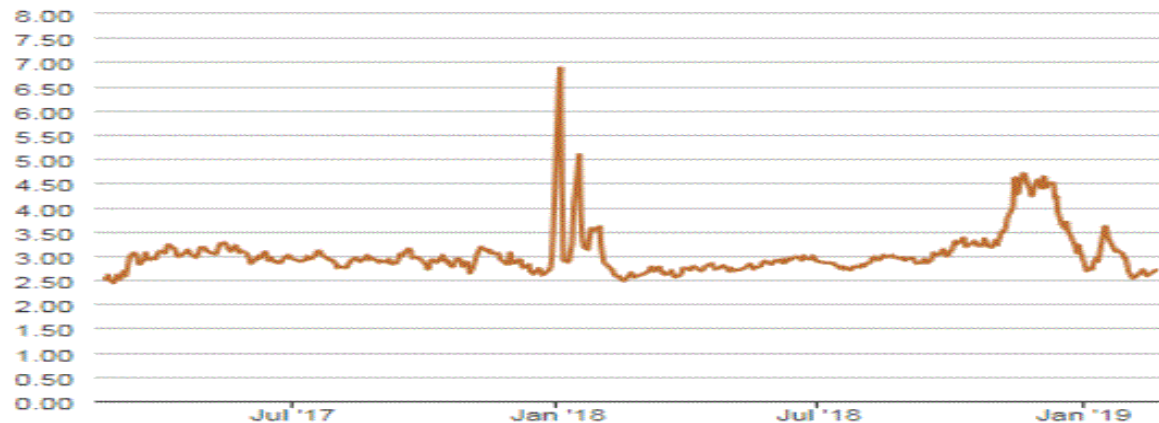
Source: Energy Information Administration, *Natural Gas Weekly Update*.

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: 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	November 2018		November 2017		% Change of Stocks	October 2018		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,288	104	4,307	79	-23.7%	3,258	94	0.9%
	Subbituminous	146	102	163	92	-10.5%	163	113	-10.5%
South	Bituminous	19,229	77	28,233	91	-31.9%	18,869	82	1.9%
	Subbituminous	4,613	53	5,569	64	-17.2%	4,605	56	0.2%
Midwest	Bituminous	8,859	66	13,635	81	-35.0%	9,249	74	-4.2%
	Subbituminous	28,005	95	38,043	87	-26.4%	27,720	91	1.0%
West	Bituminous	3,923	82	5,133	90	-23.6%	4,205	91	-6.7%
	Subbituminous	19,265	68	26,830	90	-28.2%	20,242	76	-4.8%
U.S. Total	Bituminous	35,298	76	51,308	87	-31.2%	35,582	82	-0.8%
	Subbituminous	52,029	79	70,605	85	-26.3%	52,729	80	-1.3%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

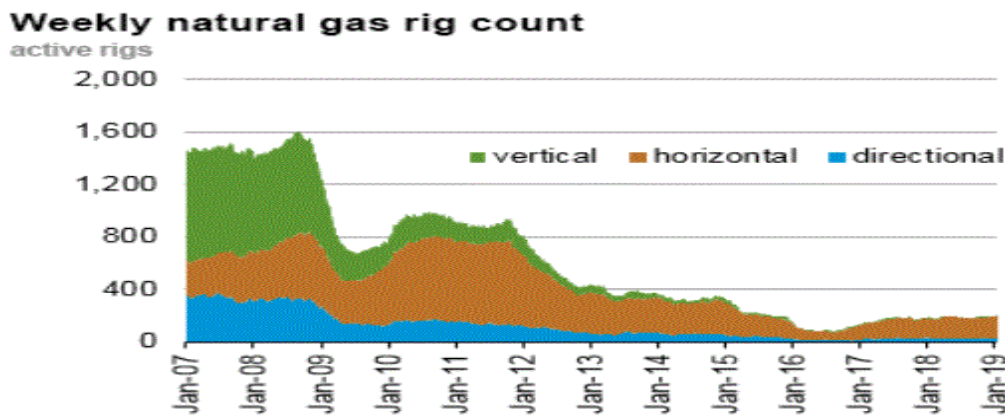
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-02-15	2019-02-08	change
East	395	444	-49
Midwest	436	492	-56
Mountain	87	95	-8
Pacific	138	155	-17
South Central	649	696	-47
Total	1,705	1,882	-177

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		
	February 2019	March 2019	change	February 2019	March 2019	change
Anadarko	390	396	6	2,832	2,843	11
Appalachia	144	144	-	15,300	15,600	300
Bakken	1,452	1,458	6	1,897	1,903	6
Eagle Ford	1,335	1,337	2	5,022	5,036	14
Haynesville	26	27	1	9,148	9,261	113
Niobrara	1,203	1,206	3	4,166	4,169	3
Permian	598	603	5	1,180	1,195	15
Rig-weighted average	656	661	5	3,565	3,686	121

Source: Energy Information Administration, *Drilling Productivity Report*