

National Mining Association

Weekly Statistical Summary

May 17, 2019 Edition
(Data for Week Ending May 11, 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. 19
Dated 05/17/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	05/11/19	05/12/18	% Chng	05/11/19	05/11/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,688	14,007	-2.3%	251,044	267,574	-6.2%
52 Weeks Ended	737,171	763,281	-3.4%			
AAR Coal Rail Cars Loaded:	80,601	81,523	-1.1%	1,468,263	1,545,665	-5.0%
Coal Production Month Ended - Apr.	Apr 19/18		% Chng	Jan - Apr 19/18		% Chng
	58,765	58,032	1.3%	229,041	245,671	-6.8%
DOC Coal Trade (000 Tons)						
Exports:	Mar 19/18		% Chng	Jan - Mar 19/18		% Chng
Metallurgical	5,489	4,970	10.4%	13,864	14,875	-6.8%
Steam Bit. *	3,720	4,446	-16.3%	11,278	12,309	-8.4%
Lignite	7	7	0.0%	22	23	-4.3%
Anthracite	6	6	0.0%	61	26	134.6%
Total	9,222	9,429	-2.2%	25,225	27,233	-7.4%
Imports:	706	518	36.3%	1,689	1,367	23.6%
	Week Ended			Cumulative Week 1 to		
	05/11/19	05/12/18	% Chng	05/11/19	05/12/18	% Chng
EI Electric Total Output (Mil. Kwh)	69,699	73,179	-4.8%	1,407,314	1,427,290	-1.4%
EI Coal Region Output (Mil. Kwh)	60,396	63,496	-4.9%	1,211,277	1,229,593	-1.5%
AISI Raw Steel Output (000 Tons)	1,927	1,808	6.6%	35,625	33,417	6.6%

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)	
	05/10/19	05/03/19	% Chng	Wed.	05/08/19
Central App, 12,500 Btu, 1.2 SO ₂	\$76.45	\$77.30	-1.1%	Henry Hub	2.59
Northern App, 13,000 Btu, < 3.0 SO ₂	61.35	63.15	-2.9%	New York	2.35
Illinois Basin, 11,800, 5.0 SO ₂	40.20	40.20	0.0%	Chicago	2.37
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.40	12.45	-0.4%	Cal.Comp.Avg.	2.52
Uinta Basin, 11,700 Btu, 0.8 SO ₂	36.50	36.65	-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



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National Mining Association Web Site: [http:// www.nma.org](http://www.nma.org)

EIA Estimated Weekly U.S. Coal Production Overview									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	5/11/2019 (week 19)	5/4/2019 (week 18)	5/12/2018 (week 19)	5/11/2019	5/11/2018	% Change	5/11/2019	5/12/2018	% Change
Alabama	299	310	274	5,409	5,464	-1.0	14,661	13,420	9.2
Alaska	15	16	14	283	318	-11.0	886	931	-4.8
Arizona	132	137	131	2,400	2,274	5.5	6,659	6,228	6.9
Arkansas	9	.
Colorado	259	272	293	4,673	4,946	-5.5	13,714	14,294	-4.1
Illinois	945	975	940	16,876	17,984	-6.2	48,225	48,026	0.4
Indiana	689	733	686	12,358	12,387	-0.2	34,661	32,131	7.9
Kentucky Total	715	758	773	13,223	14,641	-9.7	38,148	40,377	-5.5
Eastern (KY)	300	320	338	5,803	6,400	-9.3	16,361	17,891	-8.6
Western (KY)	415	438	435	7,421	8,241	-10.0	21,787	22,486	-3.1
Louisiana	35	34	35	473	429	10.2	1,522	1,347	13.0
Maryland	17	19	22	362	505	-28.3	1,081	1,618	-33.2
Mississippi	68	68	60	1,064	980	8.5	3,016	2,481	21.6
Missouri	5	5	5	90	93	-3.0	255	251	1.6
Montana	711	738	703	13,141	13,072	0.5	38,588	37,668	2.4
New Mexico	137	150	135	2,387	2,792	-14.5	10,369	11,067	-6.3
North Dakota	549	575	533	10,225	10,577	-3.3	29,222	29,259	-0.1
Ohio	149	148	129	2,760	3,189	-13.4	8,536	9,354	-8.7
Oklahoma	20	21	19	316	242	30.9	789	612	28.9
Pennsylvania Total	933	1,007	1,046	17,252	17,941	-3.8	48,994	48,949	0.1
Anthracite (PA)	37	37	38	626	642	-2.5	1,850	1,823	1.5
Bituminous (PA)	897	969	1,009	16,626	17,299	-3.9	47,144	47,126	s
Tennessee	3	3	3	57	76	-25.6	170	303	-43.9
Texas	381	397	503	7,431	8,932	-16.8	23,256	32,907	-29.3
Utah	234	242	236	4,606	4,981	-7.5	13,186	14,294	-7.8
Virginia	230	242	243	4,220	4,740	-11.0	12,357	13,178	-6.2
West Virginia Total	1,867	1,928	1,939	33,878	34,477	-1.7	94,349	93,516	0.9
Northern (WV)	852	900	907	15,674	16,268	-3.7	45,156	45,390	-0.5
Southern (WV)	1,015	1,028	1,032	18,204	18,208	s	49,193	48,126	2.2
Wyoming	5,294	5,560	5,283	97,561	106,534	-8.4	294,527	311,064	-5.3
Appalachian Total	3,798	3,976	3,996	69,741	72,791	-4.2	196,509	198,228	-0.9
Interior Total	2,558	2,671	2,682	46,028	49,288	-6.6	133,512	140,249	-4.8
Western Total	7,331	7,690	7,329	135,275	145,495	-7.0	407,150	424,804	-4.2
East of Mississippi River	5,915	6,190	6,117	107,459	112,384	-4.4	304,198	303,352	0.3
West of Mississippi River	7,773	8,146	7,891	143,585	155,190	-7.5	432,973	459,929	-5.9
Bituminous and Lignite	13,651	14,299	13,970	250,418	266,932	-6.2	735,321	761,458	-3.4
Anthracite	37	37	38	626	642	-2.5	1,850	1,823	1.5
U.S. Total	13,688	14,337	14,007	251,044	267,574	-6.2	737,171	763,281	-3.4
Railroad Cars Loaded	80,601	84,481	81,523	1,468,263	1,545,665	-5.0	4,328,544	4,433,516	-2.4

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 19

OUTPUT FOR WEEK ENDED - May 11, 2019

May 15, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **May 11, 2019** was **69,699** 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 May 11		52 Weeks Ended May 11	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	1,871	-3.6	121,225	0.3
Mid-Atlantic	6,896	-3.3	437,013	1.3
Central Industrial	11,053	-5.3	679,928	1.6
West Central	5,835	-4.8	337,272	2.0
Southeast	18,512	-1.0	1,042,149	0.9
South Central	13,356	-9.6	761,086	2.8
Rocky Mountain	4,744	-6.6	283,150	1.9
Pacific Northwest	2,652	0.3	157,393	-0.1
Pacific Southwest	4,780	-6.2	274,530	-2.5
Total United States	69,699	-4.8	4,093,747	1.3

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Apr 20	66,853	Apr 21	69,190	-3.4	Apr 20	4,097,572	1.4
Apr 27	67,566	Apr 28	67,526	0.1	Apr 27	4,097,612	1.5
May 04	70,338	May 05	70,724	-0.5	May 04	4,097,226	1.4
May 11	69,699	May 12	73,179	-4.8	May 11	4,093,746	1.3
May 11	1,407,313	May 12	1,427,291	-1.4	YEAR TO DATE, FIRST 19 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Apr 20	176	Apr 21	178	Apr 22	170
Apr 27	184	Apr 28	179	Apr 29	176
May 04	190	May 05	187	May 06	173
May 11	184	May 12	189	May 13	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		
	11-May 2019 GWh Output	12-May 2018 GWh Output	% Increase Over Corresponding Week of 2018	11-May 2019 GWh Output	12-May 2018 GWh Output	% Increase Over Corresponding Week of 2018	11-May 2019 GWh Output	12-May 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	1,871	1,942	-3.7%	42,402	43,387	-2.3%	121,225	120,876	0.3%
Mid-Atlantic	6,896	7,134	-3.3%	151,247	154,632	-2.2%	437,013	431,377	1.3%
Central Industrial	11,053	11,674	-5.3%	242,472	247,125	-1.9%	679,928	669,520	1.6%
West Central	5,835	6,126	-4.8%	117,022	117,643	-0.5%	337,272	330,744	2.0%
Southeast	18,512	18,706	-1.0%	356,187	365,940	-2.7%	1,042,149	1,032,662	0.9%
South Central	13,356	14,776	-9.6%	250,012	251,867	-0.7%	761,086	740,449	2.8%
Rocky Mountain	4,744	5,080	-6.6%	94,337	92,386	2.1%	283,150	277,855	1.9%
Pacific Northwest	2,652	2,643	0.3%	63,515	62,068	2.3%	157,393	157,626	-0.1%
Pacific Southwest	4,780	5,098	-6.2%	90,120	92,242	-2.3%	274,530	281,526	-2.5%
Total United States ^{1/}	69,699	73,179	-4.8%	1,407,314	1,427,290	-1.4%	4,093,746	4,042,635	1.3%
Coal Regions Only ^{2/}	60,396	63,496	-4.9%	1,211,277	1,229,593	-1.5%	3,540,598	3,482,607	1.7%

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

May 13, 2019

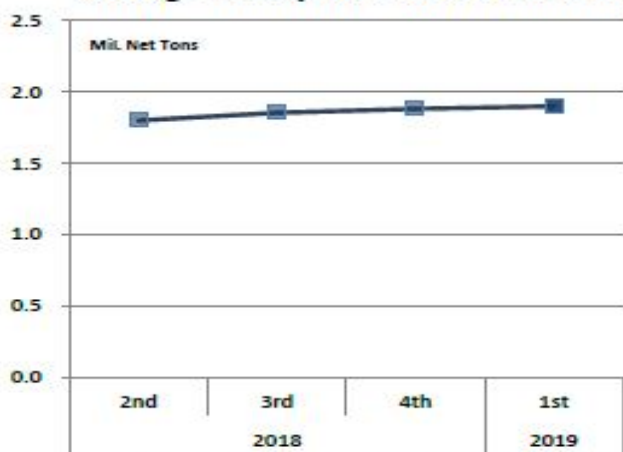
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Week Ending</u>				<u>May 11</u>	<u>May 4</u>	
May 11, 2019	1,927	0.6	82.8	North East	201	207
May 11, 2018	1,808	6.6	77.1	Great Lakes	735	720
May 4, 2019	1,915	1.1	82.3	Midwest	191	192
				Southern	722	719
				Western	78	77
				Total	1,927	1,915
<u>Year-to-Date +</u>						
May 11, 2019	35,625	6.6	81.8			
May 11, 2018	33,417	-	76.6			

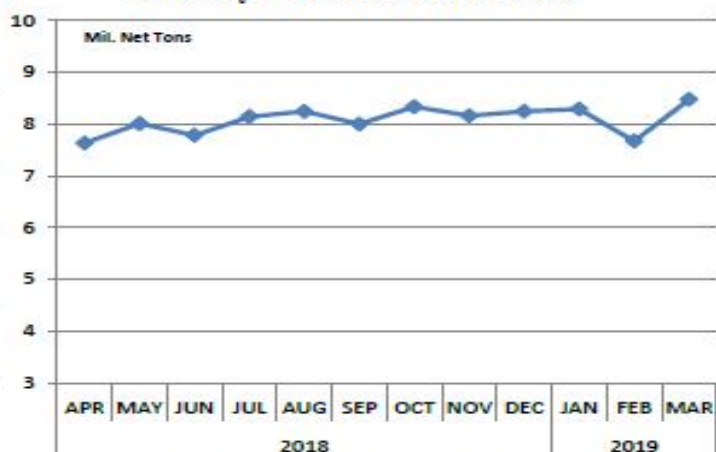
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 second quarter 2019 is approximately 30.3 million net tons vs. 30.5 million net tons for the same period last year, and 29.9 million tons for the first quarter of 2019.

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 19, 2019 – Ended May 11, 2019

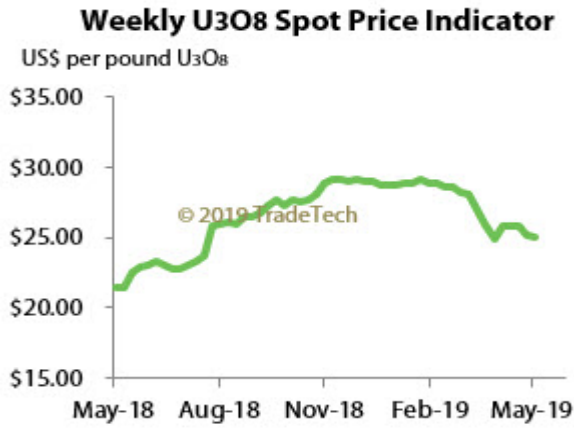
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	258,641	-3.1%	4,764,353	250,755	-2.4%
Chemicals	31,997	-1.3%	612,475	32,236	-0.6%
Coal	80,601	-0.9%	1,487,917	78,311	-4.9%
Farm Products excl. Grain, and Food	15,545	-3.4%	296,608	15,611	-3.3%
Forest Products	10,174	-2.4%	189,876	9,993	-0.9%
Grain	24,176	-0.1%	417,249	21,960	-4.6%
Metallic Ores and Metals	21,151	-11.3%	409,519	21,554	-2.3%
Motor Vehicles and Parts	16,986	0.4%	311,894	16,415	-2.4%
Nonmetallic Minerals	35,393	-16.4%	621,359	32,703	-5.1%
Petroleum and Petroleum Products	13,048	28.6%	240,398	12,653	24.5%
Other	9,570	5.2%	177,058	9,319	0.1%
Total Intermodal Units	270,622	-4.3%	5,069,755	266,829	-1.7%
Total Traffic	529,263	-3.7%	9,834,108	517,585	-2.0%

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

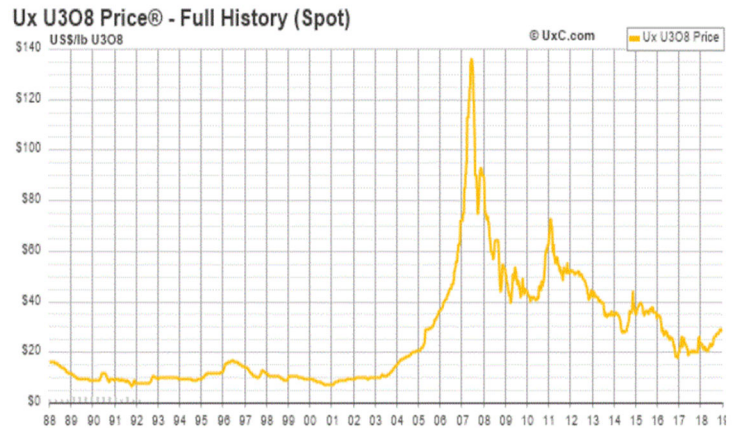
² Average per week figures may not sum to totals as a result of independent rounding.

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

Trade Tech's and UX's Uranium Price Indicators

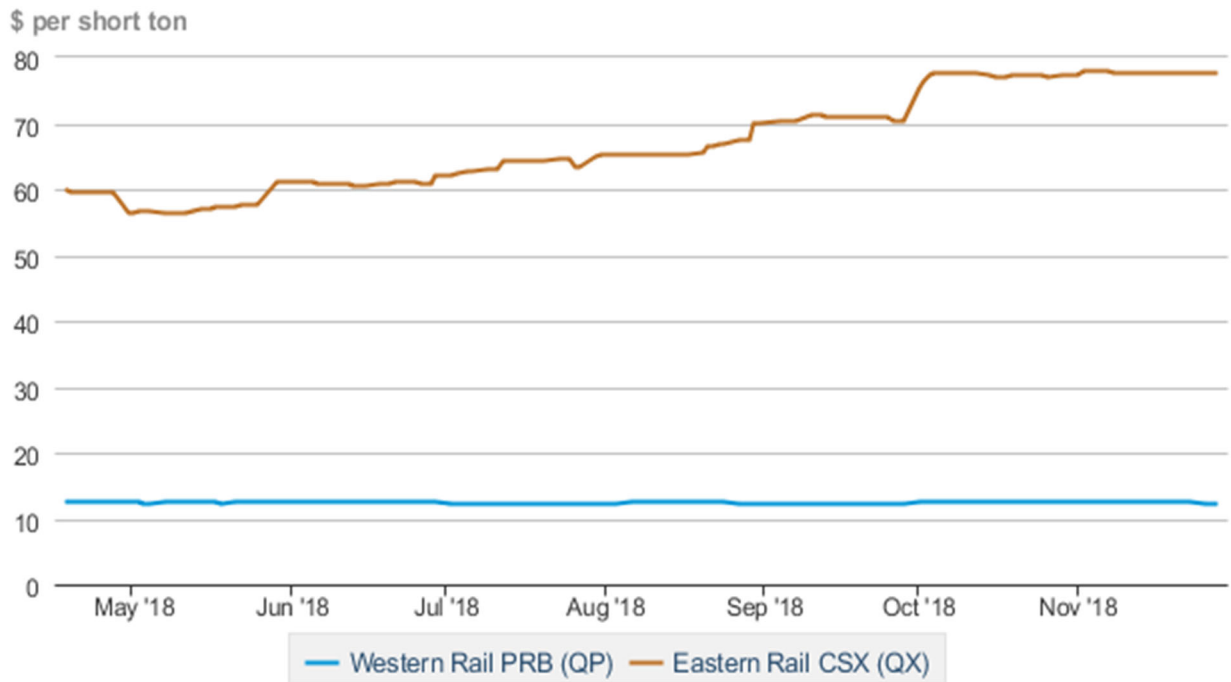


Ux U3O8 Price - Full History



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.

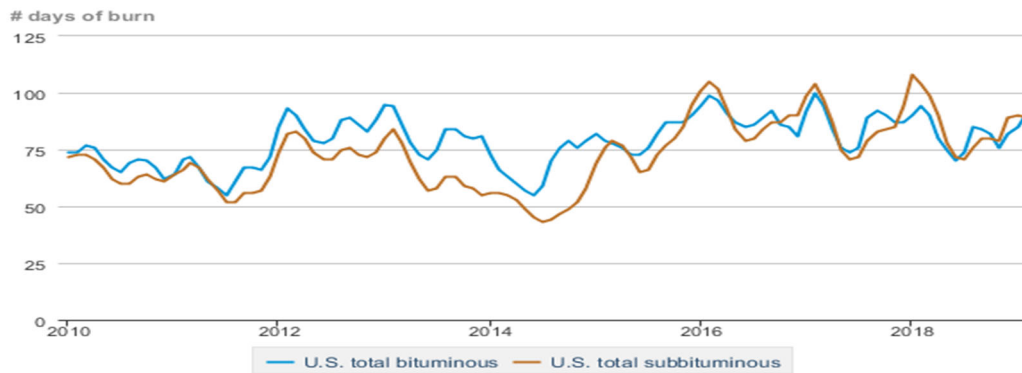
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	04/12/19	04/19/19	04/26/19	05/03/19	05/10/19	change
Central Appalachia <i>12,500 Btu, 1.2 SO₂</i>	\$77.30	\$77.30	\$77.30	\$77.30	\$76.45	\$-0.85
Northern Appalachia <i>13,000 Btu, < 3.0 SO₂</i>	\$67.05	\$67.05	\$63.15	\$63.15	\$61.35	\$-1.80
Illinois Basin <i>11,800 Btu, 5.0 SO₂</i>	\$40.20	\$40.20	\$40.20	\$40.20	\$40.20	\$0.00
Powder River Basin <i>8,800 Btu, 0.8 SO₂</i>	\$12.85	\$12.85	\$12.45	\$12.45	\$12.40	\$-0.05
Uinta Basin <i>11,700 Btu, 0.8 SO₂</i>	\$36.80	\$36.80	\$36.65	\$36.65	\$36.50	\$-0.15

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

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



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending May 02)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	125	26	33	0	0	0
Middle Atlantic	90	7	12	0	0	-2
E N Central	107	20	19	1	-1	-1
W N Central	109	32	29	0	-4	-2
South Atlantic	18	-18	-7	37	13	12
E S Central	18	-15	-21	24	13	17
W S Central	7	-4	-20	47	13	28
Mountain	89	0	13	17	5	7
Pacific	41	-11	-22	1	-4	1
United States	69	5	3	15	3	6

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

Source: National Oceanic and Atmospheric Administration

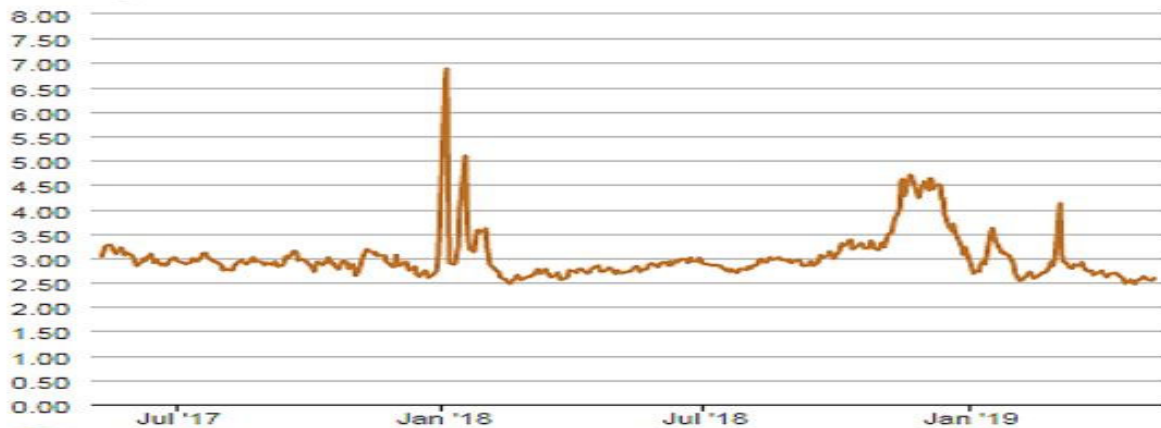
Source: Energy Information Administration, *Natural Gas Weekly Update*.

USGS Production of Selected Mineral Commodities	2018 Year to Date - 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	February 2019		February 2018			January 2019		
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn	% Change of Stocks	Stocks (1000 tons)	Days of Burn	% Change of Stocks
Northeast	Bituminous	3,030	145	3,338	95	-9.2%	2,973	147	1.9%
	Subbituminous	139	266	95	206	46.5%	121	275	15.2%
South	Bituminous	18,377	94	22,148	94	-17.0%	17,114	88	7.4%
	Subbituminous	4,205	65	5,098	72	-17.5%	3,972	59	5.9%
Midwest	Bituminous	7,105	68	10,770	87	-34.0%	6,955	61	2.2%
	Subbituminous	19,069	93	32,868	112	-42.0%	21,420	100	-11.0%
West	Bituminous	3,349	96	4,831	121	-30.7%	3,585	98	-6.6%
	Subbituminous	19,451	92	24,028	104	-19.0%	18,659	90	4.2%
U.S. Total	Bituminous	31,860	91	41,087	94	-22.5%	30,628	85	4.0%
	Subbituminous	42,864	89	62,089	104	-31.0%	44,172	90	-3.0%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

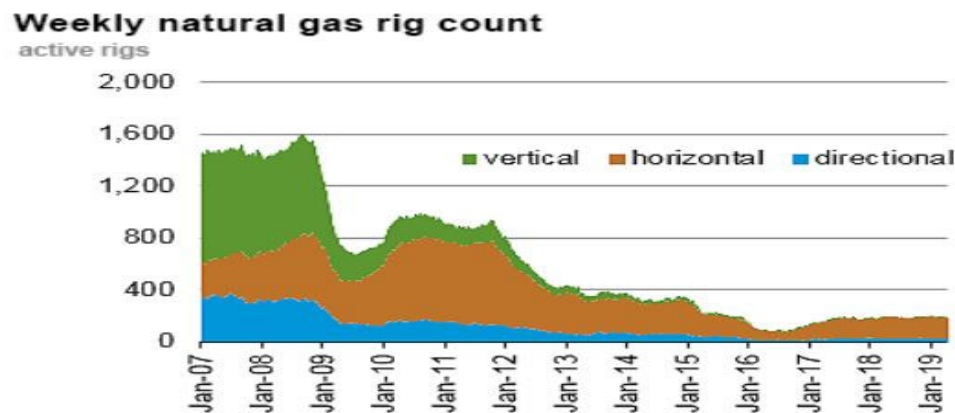
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-05-03	2019-04-26	change
East	299	279	20
Midwest	309	290	19
Mountain	78	75	3
Pacific	162	152	10
South Central	699	666	33
Total	1,547	1,462	85

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		
	May 2019	June 2019	change	May 2019	June 2019	change
Anadarko	404	412	8	2,840	2,856	16
Appalachia	143	143	-	15,930	15,930	-
Bakken	1,384	1,386	2	1,986	1,986	-
Eagle Ford	1,337	1,340	3	4,868	4,880	12
Haynesville	26	26	-	10,665	10,834	169
Niobrara	1,236	1,238	2	4,271	4,286	15
Permian	654	682	28	1,294	1,324	30
Rig-weighted average	689	703	14	3,989	4,020	31

Source: Energy Information Administration, *Drilling Productivity Report*