

National Mining Association

Weekly Statistical Summary

May 31, 2019 Edition
(Data for Week Ending May 25, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 21
Dated 05/31/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	05/25/19	05/26/18	% Chng	05/25/19	05/25/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,083	14,549	-10.1%	278,444	295,544	-5.8%
52 Weeks Ended	736,531	762,448	-3.4%			
AAR Coal Rail Cars Loaded:	76,971	84,674	-9.1%	1,629,490	1,708,448	-4.6%
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		
	05/25/19	05/26/18	% Chng	05/25/19	05/26/18	% Chng
EI Electric Total Output (Mil. Kwh)	75,768	77,681	-2.5%	1,554,008	1,581,120	-1.7%
EI Coal Region Output (Mil. Kwh)	66,707	68,000	-1.9%	1,339,606	1,364,279	-1.8%
AISI Raw Steel Output (000 Tons)	1,892	1,808	4.6%	39,417	37,033	6.4%

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)	
	05/24/19	05/17/19	% Chng	Wed.	05/22/19
Central App, 12,500 Btu, 1.2 SO ₂	\$58.80	\$76.45	-23.1%	Henry Hub	2.61
Northern App, 13,000 Btu, < 3.0 SO ₂	60.30	61.35	-1.7%	New York	2.27
Illinois Basin, 11,800, 5.0 SO ₂	40.20	40.20	0.0%	Chicago	2.29
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.35	12.40	-0.4%	Cal.Comp.Avg.	2.29
Uinta Basin, 11,700 Btu, 0.8 SO ₂	36.35	36.50	-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		
	5/25/2019 (week 21)	5/18/2019 (week 20)	5/26/2018 (week 21)	5/25/2019	5/25/2018	% Change	5/25/2019	5/26/2018	% Change
Alabama	283	301	285	5,994	6,011	-0.3	14,696	13,421	9.5
Alaska	14	15	15	312	346	-10.0	886	929	-4.6
Arizona	125	138	136	2,663	2,536	5.0	6,659	6,277	6.1
Arkansas	7	.
Colorado	248	275	304	5,196	5,530	-6.1	13,651	14,206	-3.9
Illinois	890	951	976	18,717	19,860	-5.8	48,185	47,926	0.5
Indiana	669	736	713	13,762	13,758	s	34,692	32,320	7.3
Kentucky Total	692	756	803	14,671	16,185	-9.4	38,048	40,296	-5.6
Eastern (KY)	292	320	351	6,414	7,075	-9.3	16,296	17,856	-8.7
Western (KY)	400	436	452	8,256	9,110	-9.4	21,752	22,439	-3.1
Louisiana	31	35	36	539	498	8.2	1,519	1,344	13.0
Maryland	17	18	23	398	549	-27.6	1,072	1,585	-32.4
Mississippi	62	68	62	1,194	1,099	8.6	3,027	2,473	22.4
Missouri	5	5	5	100	103	-2.9	255	251	1.6
Montana	674	733	730	14,548	14,476	0.5	38,587	37,872	1.9
New Mexico	137	166	140	2,690	3,062	-12.1	10,402	10,691	-2.7
North Dakota	525	575	554	11,324	11,642	-2.7	29,253	29,310	-0.2
Ohio	135	138	134	3,033	3,447	-12.0	8,550	9,239	-7.5
Oklahoma	19	22	20	357	280	27.3	790	625	26.4
Pennsylvania Total	919	1,024	1,087	19,194	20,030	-4.2	48,842	49,086	-0.5
Anthracite (PA)	34	36	39	696	717	-2.9	1,845	1,822	1.3
Bituminous (PA)	885	988	1,048	18,498	19,313	-4.2	46,997	47,264	-0.6
Tennessee	3	3	4	62	83	-25.1	169	291	-41.9
Texas	362	397	522	8,190	9,935	-17.6	23,009	32,632	-29.5
Utah	221	235	245	5,062	5,453	-7.2	13,169	14,241	-7.5
Virginia	221	239	253	4,680	5,226	-10.4	12,330	13,126	-6.1
West Virginia Total	1,760	1,890	2,014	37,527	38,349	-2.1	94,116	93,798	0.3
Northern (WV)	822	904	942	17,399	18,079	-3.8	45,066	45,453	-0.9
Southern (WV)	938	986	1,072	20,128	20,270	-0.7	49,050	48,344	1.5
Wyoming	5,074	5,596	5,487	108,231	117,084	-7.6	294,621	310,504	-5.1
Appalachian Total	3,629	3,933	4,150	77,303	80,770	-4.3	196,072	198,402	-1.2
Interior Total	2,437	2,650	2,786	51,116	54,644	-6.5	133,231	140,016	-4.8
Western Total	7,017	7,733	7,612	150,025	160,129	-6.3	407,229	424,029	-4.0
East of Mississippi River	5,649	6,125	6,353	119,233	124,598	-4.3	303,728	303,560	0.1
West of Mississippi River	7,434	8,192	8,196	159,211	170,946	-6.9	432,803	458,888	-5.7
Bituminous and Lignite	13,050	14,280	14,510	277,748	294,827	-5.8	734,686	760,626	-3.4
Anthracite	34	36	39	696	717	-2.9	1,845	1,822	1.3
U.S. Total	13,083	14,316	14,549	278,444	295,544	-5.8	736,531	762,448	-3.4
Railroad Cars Loaded	76,971	84,256	84,674	1,629,490	1,708,448	-4.6	4,326,578	4,435,238	-2.4

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 21

OUTPUT FOR WEEK ENDED - May 25, 2019

May 30, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **May 25, 2019** was **75,768** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **194** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended May 25		52 Weeks Ended May 25	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	1,916	-8.5	121,011	0.3
Mid-Atlantic	7,456	-6.6	436,197	1.1
Central Industrial	11,638	-7.0	678,317	1.2
West Central	5,672	-11.6	336,105	1.3
Southeast	21,659	3.9	1,041,248	0.8
South Central	15,872	3.2	759,585	2.2
Rocky Mountain	4,410	-9.4	282,790	1.8
Pacific Northwest	2,621	-2.0	157,334	-0.1
Pacific Southwest	4,524	-7.9	274,025	-2.4
Total United States	75,768	-2.5	4,086,612	1.0

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
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 18	70,927	May 19	76,149	-6.9	May 18	4,088,525	1.1
May 25	75,768	May 26	77,681	-2.5	May 25	4,086,612	1.0
May 25	1,554,008	May 26	1,581,120	-1.7	YEAR TO DATE, FIRST 21 WEEKS		

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

Week Ended	2019	Week Ended	2018	Week Ended	2017
May 04	190	May 05	187	May 06	173
May 11	184	May 12	189	May 13	169
May 18	184	May 19	195	May 20	187
May 25	194	May 26	192	May 27	176

* 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		
	25-May 2019 GWh Output	26-May 2018 GWh Output	% Increase Over Corresponding Week of 2018	25-May 2019 GWh Output	26-May 2018 GWh Output	% Increase Over Corresponding Week of 2018	25-May 2019 GWh Output	26-May 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	1,916	2,094	-8.5%	46,247	47,444	-2.5%	121,011	120,670	0.3%
Mid-Atlantic	7,456	7,982	-6.6%	165,718	169,919	-2.5%	436,197	431,582	1.1%
Central Industrial	11,638	12,517	-7.0%	265,420	271,684	-2.3%	678,317	670,482	1.2%
West Central	5,672	6,416	-11.6%	128,496	130,284	-1.4%	336,105	331,792	1.3%
Southeast	21,659	20,840	3.9%	396,604	407,259	-2.6%	1,041,248	1,033,416	0.8%
South Central	15,872	15,376	3.2%	279,819	283,175	-1.2%	759,585	743,339	2.2%
Rocky Mountain	4,410	4,869	-9.4%	103,549	101,958	1.6%	282,790	277,741	1.8%
Pacific Northwest	2,621	2,675	-2.0%	68,748	67,360	2.1%	157,334	157,548	-0.1%
Pacific Southwest	4,524	4,912	-7.9%	99,408	102,036	-2.6%	274,025	280,876	-2.4%
Total United States ^{1/}	<u>75,768</u>	<u>77,681</u>	-2.5%	<u>1,554,009</u>	<u>1,581,119</u>	-1.7%	4,086,612	4,047,446	1.0%
Coal Regions Only ^{2/}	66,707	68,000	-1.9%	1,339,606	1,364,279	-1.8%	3,534,242	3,488,352	1.3%

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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May 28, 2019

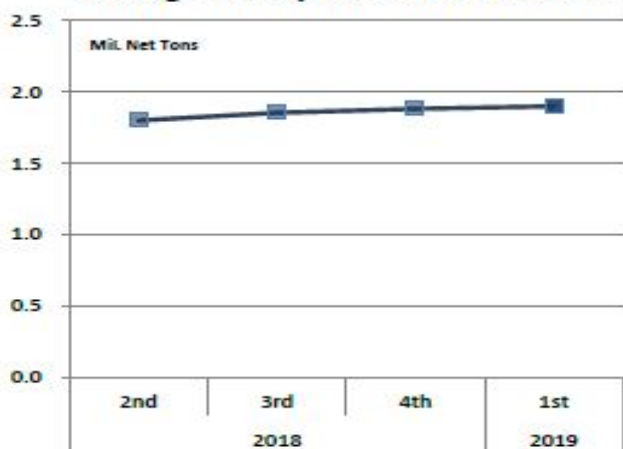
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>May 25</u>	<u>May 18</u>
<u>Week Ending</u>				North East	192	197
				Great Lakes	727	738
May 25, 2019	1,892	-0.4	81.3	Midwest	207	201
May 25, 2018	1,808	4.6	77.1	Southern	692	698
May 18, 2019	1,900	-1.4	81.6	Western	74	66
				Total	1,892	1,900
<u>Year-to-Date +</u>						
May 25, 2019	39,417	6.4	81.8			
May 25, 2018	37,033	-	76.6			

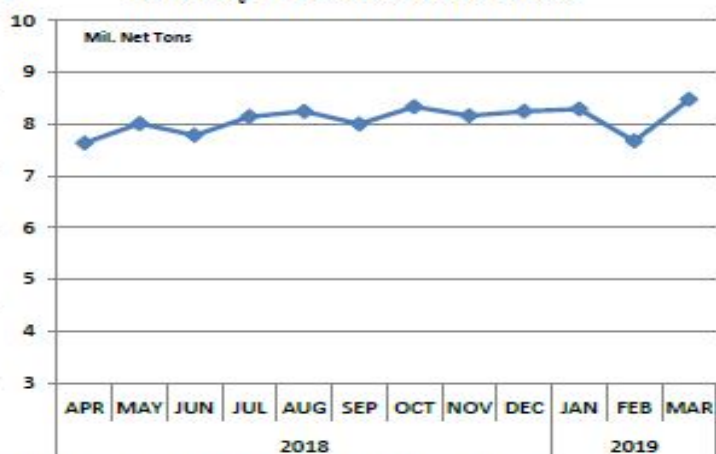
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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



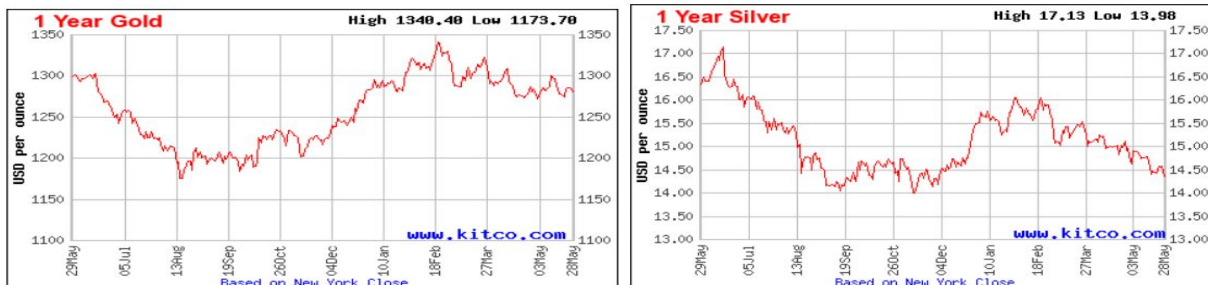
Monthly Raw Steel Production



*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 21, 2019 – Ended May 25, 2019

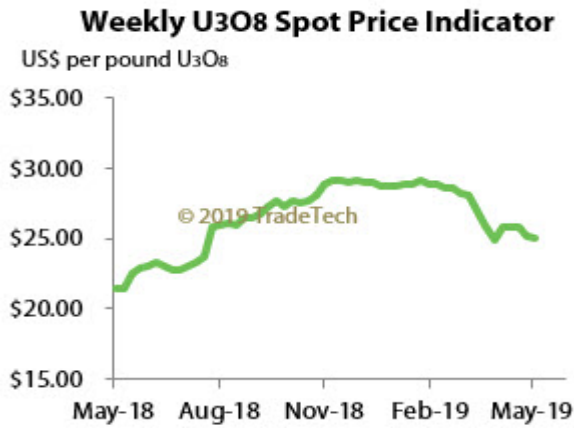
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	259,953	-5.0%	5,291,312	251,967	-2.3%
Chemicals	33,327	-1.0%	679,448	32,355	-0.3%
Coal	76,971	-9.2%	1,649,144	78,531	-4.6%
Farm Products excl. Grain, and Food	16,350	-1.4%	328,772	15,656	-3.1%
Forest Products	10,122	-4.4%	209,981	9,999	-1.3%
Grain	22,495	-12.8%	462,938	22,045	-4.7%
Metallic Ores and Metals	23,533	-9.7%	456,279	21,728	-2.7%
Motor Vehicles and Parts	17,042	0.9%	346,045	16,478	-2.1%
Nonmetallic Minerals	36,597	-6.1%	695,146	33,102	-5.3%
Petroleum and Petroleum Products	13,275	24.0%	266,838	12,707	24.5%
Other	10,241	7.2%	196,721	9,368	0.3%
Total Intermodal Units	268,013	-8.3%	5,607,120	267,006	-2.2%
Total Traffic	527,966	-6.7%	10,898,432	518,973	-2.3%

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

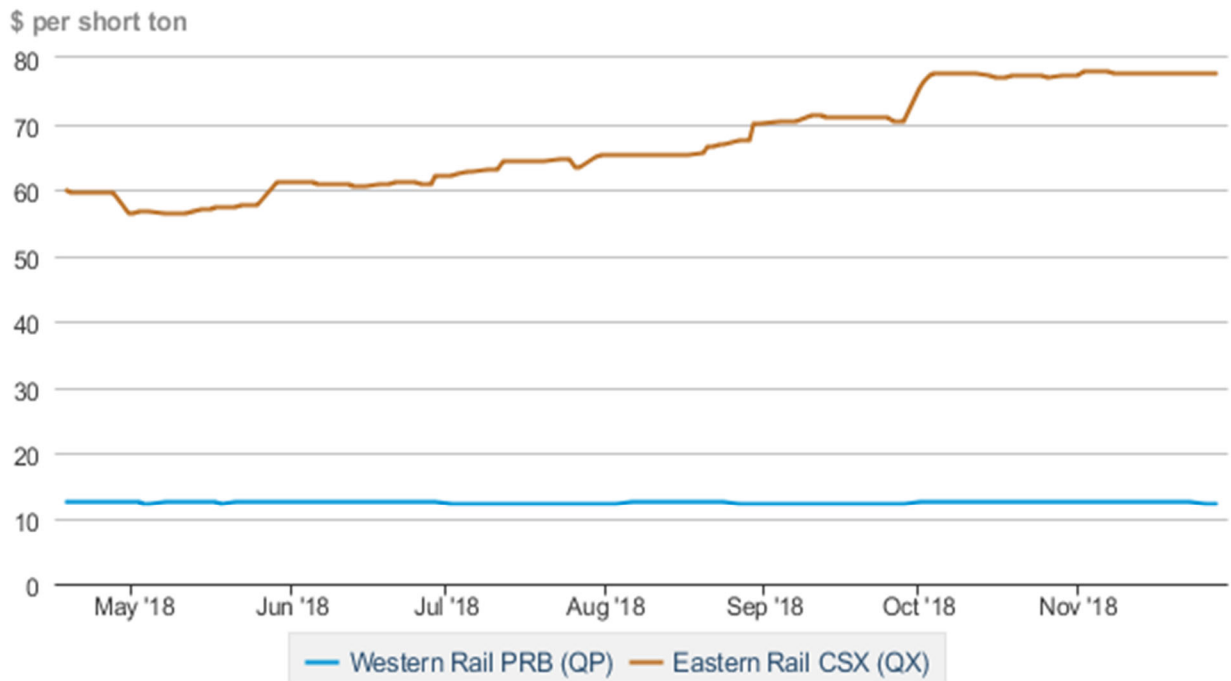


Ux U3O8 Price - Full History



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.

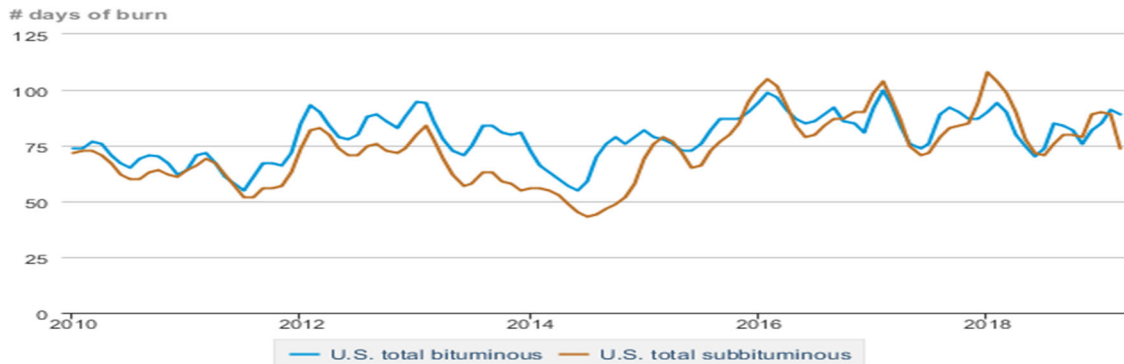
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	04/26/19	05/03/19	05/10/19	05/17/19	05/24/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$77.30	\$77.30	\$76.45	\$76.45	\$58.80	\$-17.65
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$63.15	\$63.15	\$61.35	\$61.35	\$60.30	\$-1.05
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$40.20	\$40.20	\$40.20	\$40.20	\$40.20	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.45	\$12.45	\$12.40	\$12.40	\$12.35	\$-0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$36.65	\$36.65	\$36.50	\$36.50	\$36.35	\$-0.15

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending May 16)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	95	28	18	0	0	0
Middle Atlantic	77	23	32	0	-3	-3
E N Central	82	23	28	1	-8	-2
W N Central	66	15	18	9	-2	-9
South Atlantic	24	2	23	45	9	-18
E S Central	26	6	25	23	-3	-28
W S Central	15	9	13	38	-14	-17
Mountain	48	-17	2	19	1	2
Pacific	27	-14	-9	1	-6	0
United States	53	9	17	16	-2	-8

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

Source: National Oceanic and Atmospheric Administration

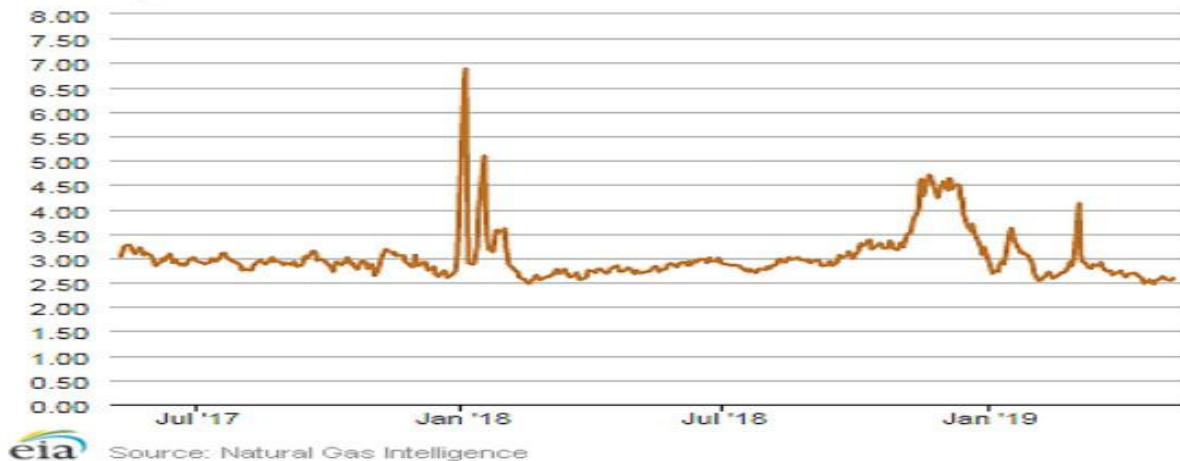
Source: Energy Information Administration, *Natural Gas Weekly Update*.

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	March 2019		March 2018		% Change of Stocks	February 2019		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,295	147	3,486	100	-5.5%	3,030	145	8.8%
	Subbituminous	150	259	110	278	36.6%	139	266	7.6%
South	Bituminous	20,009	90	22,824	88	-12.3%	18,377	94	8.9%
	Subbituminous	3,963	58	5,841	75	-32.2%	4,205	65	-5.8%
Midwest	Bituminous	7,934	75	10,838	84	-26.8%	7,105	68	11.7%
	Subbituminous	16,263	74	33,806	105	-51.9%	19,069	93	-14.7%
West	Bituminous	3,267	89	4,763	110	-31.4%	3,349	96	-2.4%
	Subbituminous	19,080	79	26,379	99	-27.7%	19,451	92	-1.9%
U.S. Total	Bituminous	34,505	89	41,911	90	-17.7%	31,860	91	8.3%
	Subbituminous	39,456	74	66,136	99	-40.3%	42,864	89	-8.0%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

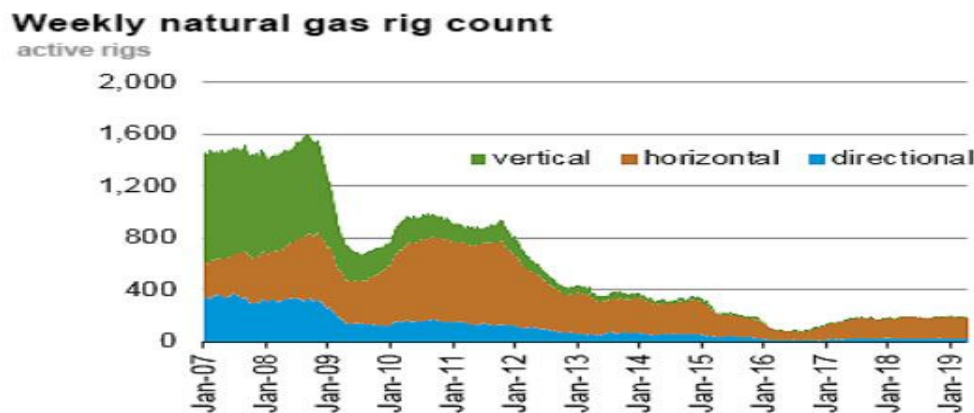
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-05-17	2019-05-10	change
East	353	330	23
Midwest	364	336	28
Mountain	89	82	7
Pacific	186	174	12
South Central	762	731	31
Total	1,753	1,653	100

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*