

National Mining Association

Weekly Statistical Summary

August 23, 2019 Edition
(Data for Week Ending August 17, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 33
Dated 08/23/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/17/19	08/18/18	% Chng	08/17/19	08/18/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,643	15,789	-7.3%	445,627	469,703	-5.1%
52 Weeks Ended	729,941	755,917	-3.4%			
AAR Coal Rail Cars Loaded:	85,454	93,248	-8.4%	2,553,891	2,732,409	-6.5%
Coal Production	July 19/18		% Chng	Jan - July 19/18		% Chng
Month Ended - July	58,245	62,969	-7.5%	411,571	431,453	-4.6%
DOC Coal Trade (000 Tons)						
Exports:	June 19/18		% Chng	Jan - June 19/18		% Chng
Metallurgical	5,189	5,480	-5.3%	29,005	31,820	-8.8%
Steam Bit. *	2,747	4,650	-40.9%	21,383	26,166	-18.3%
Lignite	8	5	60.0%	47	44	6.8%
Anthracite	7	6	16.7%	121	90	34.4%
Total	7,951	10,141	-21.6%	50,556	58,120	-13.0%
Imports:	660	509	29.7%	3,293	2,913	13.0%
	Week Ended			Cumulative Week 1 to		
	08/17/19	08/18/18	% Chng	08/17/19	08/18/18	% Chng
EI Electric Total Output (Mil. Kwh)	90,024	91,061	-1.1%	2,588,877	2,648,535	-2.3%
EI Coal Region Output (Mil. Kwh)	78,594	78,856	-0.3%	2,244,019	2,292,448	-2.1%
AISI Raw Steel Output (000 Tons)	1,857	1,861	-0.2%	61,669	59,001	4.5%

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)	
	08/23/19	08/16/19	% Chng	Wed.	08/21/19
Central App, 12,500 Btu, 1.2 SO ₂	\$60.30	\$62.05	-2.8%	Henry Hub	2.25
Northern App, 13,000 Btu, < 3.0 SO ₂	49.80	49.80	0.0%	New York	2.05
Illinois Basin, 11,800, 5.0 SO ₂	39.10	39.10	0.0%	Chicago	2.08
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.10	12.05	0.4%	Cal.Comp.Avg.	2.26
Uinta Basin, 11,700 Btu, 0.8 SO ₂	34.85	34.85	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



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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		
	8/17/2019 (week 33)	8/10/2019 (week 32)	8/18/2018 (week 33)	8/17/2019	8/17/2018	% Change	8/17/2019	8/18/2018	% Change
Alabama	305	275	296	9,459	9,333	1.3	14,838	13,788	7.6
Alaska	16	14	15	545	519	4.9	925	894	3.5
Arizona	133	121	139	4,003	4,112	-2.6	6,424	6,559	-2.1
Colorado	284	257	294	8,583	8,940	-4.0	13,631	14,168	-3.8
Illinois	995	901	1,005	31,085	31,194	-0.3	49,242	48,002	2.6
Indiana	720	644	683	22,248	21,469	3.6	35,288	32,779	7.7
Kentucky Total	752	678	787	23,910	25,239	-5.3	38,293	39,827	-3.9
Eastern (KY)	304	275	336	9,672	10,977	-11.9	15,718	17,628	-10.8
Western (KY)	448	403	451	14,237	14,262	-0.2	22,576	22,199	1.7
Louisiana	38	36	42	897	945	-5.0	1,430	1,515	-5.6
Maryland	21	18	22	736	814	-9.5	1,218	1,418	-14.1
Mississippi	72	67	70	1,885	1,857	1.5	2,958	2,657	11.3
Missouri	5	4	5	143	163	-12.1	239	252	-5.2
Montana	728	652	776	20,603	23,109	-10.8	36,003	37,749	-4.6
New Mexico	281	284	247	7,486	5,346	40.0	12,900	9,602	34.3
North Dakota	579	520	642	17,816	18,534	-3.9	28,841	29,552	-2.4
Ohio	165	153	195	4,780	5,382	-11.2	8,366	8,935	-6.4
Oklahoma	16	15	20	400	507	-21.1	607	715	-15.1
Pennsylvania Total	981	868	946	30,817	31,693	-2.8	48,969	49,357	-0.8
Anthracite (PA)	40	37	38	1,228	1,160	5.9	1,959	1,842	6.4
Bituminous (PA)	941	831	908	29,589	30,533	-3.1	47,009	47,515	-1.1
Tennessee	4	4	5	131	149	-11.8	214	261	-18.0
Texas	405	371	539	13,814	16,003	-13.7	22,564	30,287	-25.5
Utah	261	238	282	8,735	8,491	2.9	13,804	14,158	-2.5
Virginia	246	222	261	7,622	8,208	-7.1	12,393	12,948	-4.3
West Virginia Total	1,878	1,671	1,912	58,900	60,778	-3.1	93,355	95,225	-2.0
Northern (WV)	923	827	917	28,889	28,775	0.4	46,110	46,020	0.2
Southern (WV)	955	844	994	30,011	32,004	-6.2	47,245	49,204	-4.0
Wyoming	5,757	5,233	6,606	171,029	186,918	-8.5	287,439	305,269	-5.8
Appalachian Total	3,903	3,486	3,973	122,118	127,333	-4.1	195,070	199,559	-2.2
Interior Total	2,700	2,442	2,815	84,709	86,400	-2.0	134,904	138,406	-2.5
Western Total	8,039	7,319	9,002	238,799	255,970	-6.7	399,967	417,952	-4.3
East of Mississippi River	6,139	5,501	6,182	191,573	196,116	-2.3	305,134	305,196	s
West of Mississippi River	8,504	7,746	9,607	254,053	273,587	-7.1	424,806	450,721	-5.7
Bituminous and Lignite	14,602	13,209	15,751	444,399	468,543	-5.2	727,982	754,075	-3.5
Anthracite	40	37	38	1,228	1,160	5.9	1,959	1,842	6.4
U.S. Total	14,643	13,247	15,789	445,627	469,703	-5.1	729,941	755,917	-3.4
Railroad Cars Loaded	85,454	77,300	93,248	2,553,891	2,732,409	-6.5	4,225,905	4,402,288	-4.0

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 33

OUTPUT FOR WEEK ENDED - Aug 17, 2019

Aug 21, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Aug 17, 2019** was **90,024** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **185** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended August 17		52 Weeks Ended August 17	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,465	-11.5	119,273	-2.2
Mid-Atlantic	9,463	-6.9	434,603	-0.2
Central Industrial	13,708	-4.6	670,074	-1.3
West Central	7,044	-7.7	331,260	-1.6
Southeast	22,579	1.0	1,038,096	0.0
South Central	19,371	11.0	756,645	0.3
Rocky Mountain	6,429	-6.8	279,807	0.1
Pacific Northwest	2,699	0.2	156,656	-0.7
Pacific Southwest	6,266	-6.9	267,653	-4.7
Total United States	90,024	-1.1	4,054,066	-0.7

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Jul 27	89,276	Jul 28	91,789	-2.7	Jul 27	4,055,716	-0.3
Aug 03	90,616	Aug 04	88,440	2.5	Aug 03	4,057,893	-0.3
Aug 10	90,200	Aug 11	92,989	-3.0	Aug 10	4,055,104	-0.6
Aug 17	90,024	Aug 18	91,061	-1.1	Aug 17	4,054,066	-0.7
Aug 17	2,588,877	Aug 18	2,648,535	-2.3	YEAR TO DATE, FIRST 33 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Jul 27	176	Jul 28	177	Jul 29	179
Aug 03	181	Aug 04	172	Aug 05	170
Aug 10	181	Aug 11	184	Aug 12	166
Aug 17	185	Aug 18	173	Aug 19	178

* 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		
	17-Aug 2019 GWh Output	18-Aug 2018 GWh Output	% Increase Over Corresponding Week of 2018	17-Aug 2019 GWh Output	18-Aug 2018 GWh Output	% Increase Over Corresponding Week of 2018	17-Aug 2019 GWh Output	18-Aug 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,465	2,785	-11.5%	75,488	78,425	-3.7%	119,273	121,904	-2.2%
Mid-Atlantic	9,463	10,162	-6.9%	277,137	282,930	-2.0%	434,603	435,350	-0.2%
Central Industrial	13,708	14,368	-4.6%	429,243	443,750	-3.3%	670,074	679,148	-1.3%
West Central	7,044	7,628	-7.7%	211,654	218,289	-3.0%	331,260	336,492	-1.6%
Southeast	22,579	22,357	1.0%	661,216	675,022	-2.0%	1,038,096	1,037,885	0.0%
South Central	19,371	17,445	11.0%	488,480	494,777	-1.3%	756,645	754,579	0.3%
Rocky Mountain	6,429	6,896	-6.8%	176,289	177,680	-0.8%	279,807	279,480	0.1%
Pacific Northwest	2,699	2,693	0.2%	101,316	100,605	0.7%	156,656	157,693	-0.7%
Pacific Southwest	6,266	6,727	-6.9%	168,056	177,056	-5.1%	267,653	280,941	-4.7%
Total United States ^{1/}	90,024	91,061	-1.1%	2,588,879	2,648,534	-2.3%	4,054,067	4,083,472	-0.7%
Coal Regions Only ^{2/}	78,594	78,856	-0.3%	2,244,019	2,292,448	-2.1%	3,510,485	3,522,934	-0.4%

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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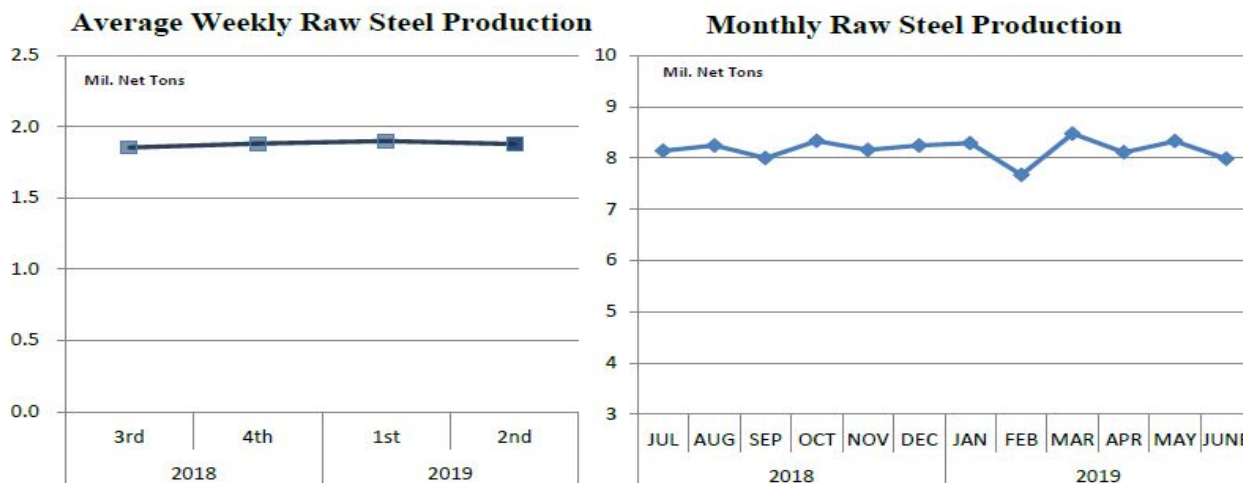
August 19, 2019

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 Aug 17</u>	<u>Week Ending Aug 10</u>	
<u>Week Ending</u>				North East	205	202
				Great Lakes	686	694
August 17, 2019	1,857	-0.5	79.8	Midwest	190	198
August 17, 2018	1,861	-0.2	79.4	Southern	702	704
August 10, 2019	1,867	-1.6	80.2	Western	74	69
				Total	1,857	1,867
<u>Year-to-Date +</u>						
August 17, 2019	61,669	4.5	81.0			
August 17, 2018	59,001	-	77.3			

*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 third quarter 2019 is approximately 30.6 million net tons vs. 30.8 million net tons for the same period last year, and 30.3 million tons for the second quarter of 2019.



*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 33, 2019 – Ended August 17, 2019

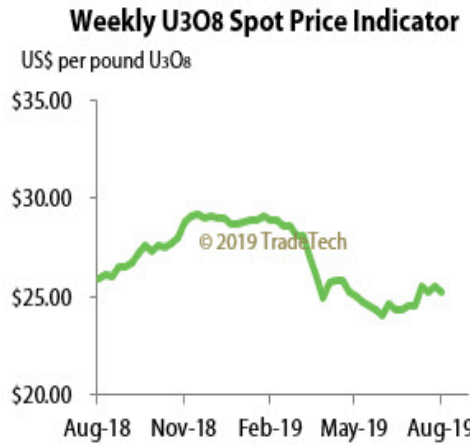
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	264,564	-4.9%	8,342,076	252,790	-3.3%
Chemicals	33,233	2.1%	1,065,137	32,277	-0.2%
Coal	85,454	-8.2%	2,573,545	77,986	-6.5%
Farm Products excl. Grain, and Food	15,662	-3.7%	514,350	15,586	-3.7%
Forest Products	9,901	-7.0%	326,341	9,889	-3.9%
Grain	19,840	-14.8%	727,918	22,058	-5.0%
Metallic Ores and Metals	23,657	-3.9%	730,022	22,122	-4.4%
Motor Vehicles and Parts	16,812	-2.0%	531,922	16,119	-2.3%
Nonmetallic Minerals	37,905	-3.4%	1,137,853	34,480	-4.6%
Petroleum and Petroleum Products	12,004	10.2%	421,119	12,761	20.6%
Other	10,096	-4.7%	313,869	9,511	-0.2%
Total Intermodal Units	273,053	-5.4%	8,783,643	266,171	-3.8%
Total Traffic	537,617	-5.2%	17,125,719	518,961	-3.5%

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.

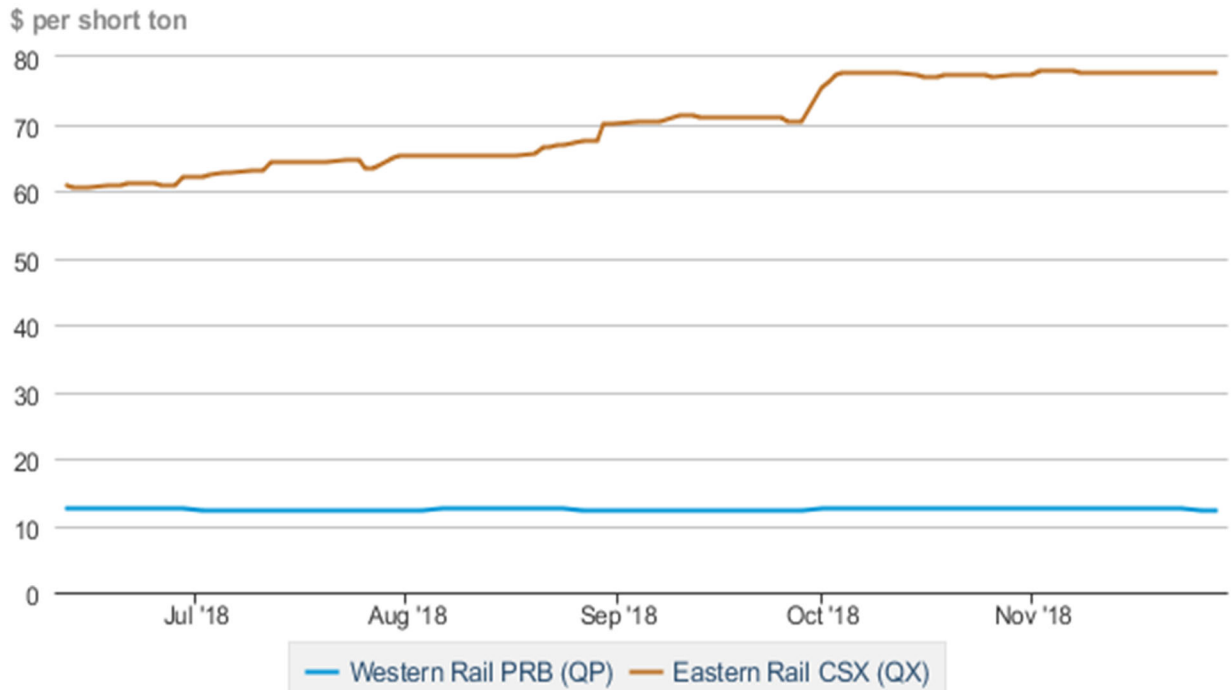
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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.

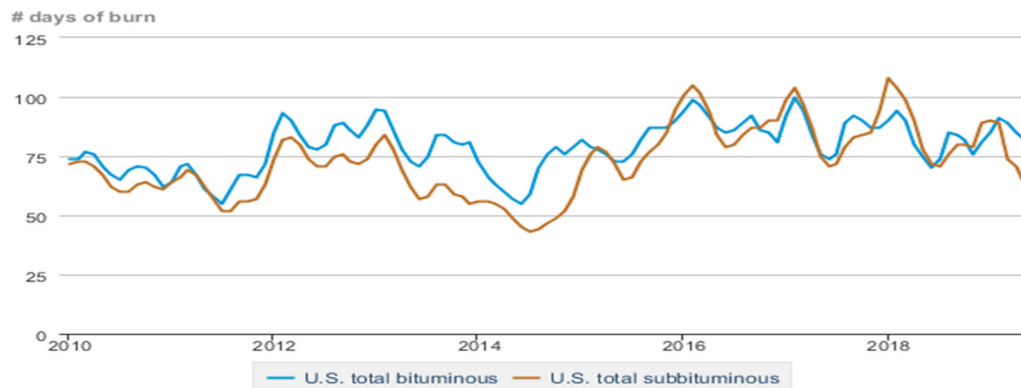
Source: Energy Information Administration **Note: EIA has discontinued reporting MYMEX coal Futures price data.**

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	07/26/19	08/02/19	08/09/19	08/16/19	08/23/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$65.55	\$65.80	\$65.80	\$62.05	\$60.30	-\$1.75
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$48.30	\$49.80	\$49.80	\$49.80	\$49.80	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$39.10	\$39.10	\$39.10	\$39.10	\$39.10	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.10	\$12.05	\$12.05	\$12.05	\$12.10	\$0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$35.00	\$34.85	\$34.85	\$34.85	\$34.85	\$0.00

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Aug 15)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	2	-2	1	34	-4	-24
Middle Atlantic	1	-2	1	48	-4	-19
E N Central	2	-3	2	47	-2	-16
W N Central	2	-1	2	61	-2	-11
South Atlantic	0	0	0	110	18	11
E S Central	0	0	0	109	20	17
W S Central	0	0	0	149	26	33
Mountain	1	-4	1	80	9	-2
Pacific	0	-2	0	53	8	-20
United States	1	-2	1	77	8	-4

Note: HDD = heating degree day; CDD = cooling degree day
Source: National Oceanic and Atmospheric Administration

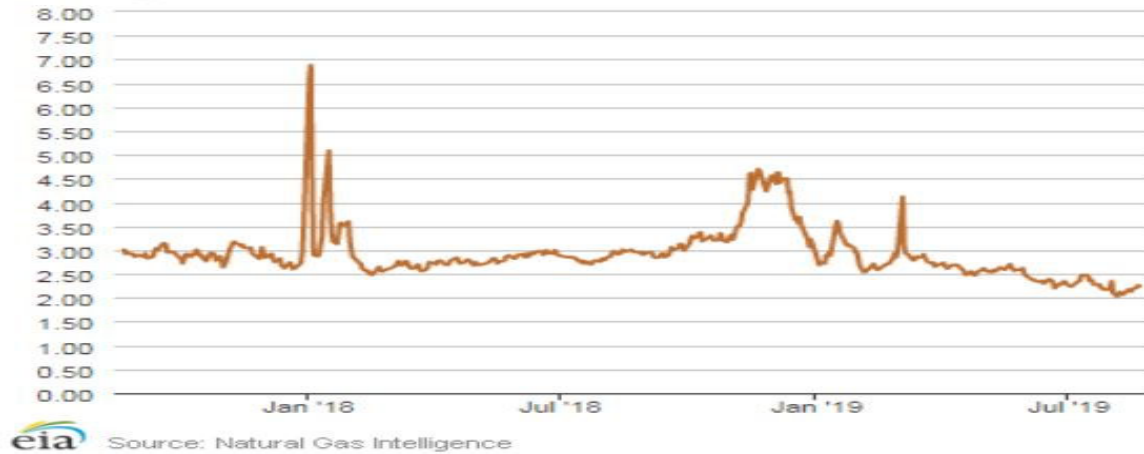
Source: Energy Information Administration, *Natural Gas Weekly Update*.

USGS Production of Selected Mineral Commodities	2019 Year to Date - 1st Quarter	2018 Year to Date - 1st Quarter	Percent Change
Aluminum, secondary (000 Mt.)	209.0	209.0	0%
Cement (Mil. Mt.)	17.0	16.8	1%
Copper (000 Mt.)	299.0	287.0	4%
Gold (Mt.)	53.2	51.7	3%
Gypsum (Mil. Mt.)	4.2	3.8	11%
Iron Ore (Mil. Mt.)	10.8	11.6	-7%
Lead (000 Mt.)	W	W	N/A
Molybdenum (000 Mt.)	10.5	10.7	-2%
Phosphate rock (Mil. Mt.)	5.3	6.5	-18%
Sand & gravel, construction (Mil. Mt.)	168.0	163.0	3%
Silver (Mt.)	237.0	212.0	12%
Soda ash (Mil. Mt.)	2.9	3.0	-3%
Stone, crushed (Mil. Mt.)	281.0	250.0	12%
Zinc (000 Mt.)	166.0	174.0	-5%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2019 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	May 2019		May 2018		% Change of Stocks	April 2019		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,956	194	3,424	86	15.5%	3,431	156	15.3%
	Subbituminous	163	250	147	240	11.4%	163	278	0.0%
South	Bituminous	22,319	80	23,384	68	-4.6%	21,570	84	3.5%
	Subbituminous	5,071	50	6,891	63	-26.4%	4,413	52	14.9%
Midwest	Bituminous	10,056	72	11,266	77	-10.7%	9,249	77	8.7%
	Subbituminous	22,226	73	33,132	84	-32.9%	19,535	75	13.8%
West	Bituminous	3,971	79	5,209	100	-23.8%	3,480	80	14.1%
	Subbituminous	19,636	58	26,459	75	-25.8%	19,728	73	-0.5%
U.S. Total	Bituminous	40,302	82	43,282	75	-6.9%	37,731	85	6.8%
	Subbituminous	47,096	63	66,629	78	-29.3%	43,839	71	7.4%

EIA Working Natural Gas Underground Storage

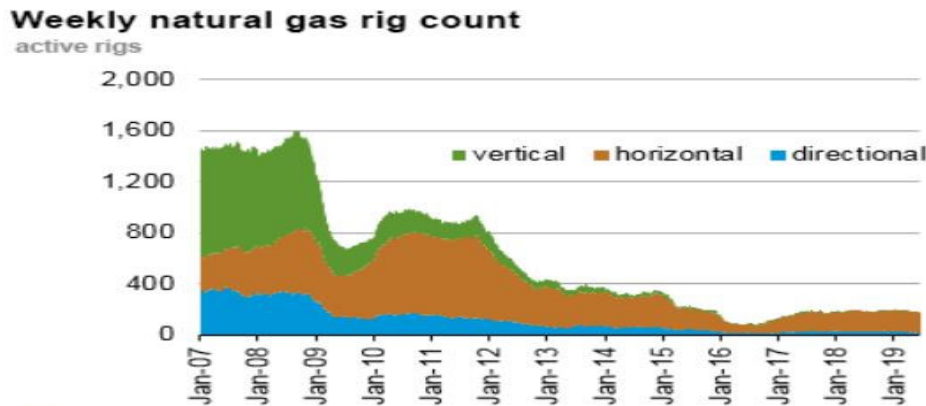
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-08-16	2019-08-09	change
East	660	634	26
Midwest	760	729	31
Mountain	168	164	4
Pacific	274	272	2
South Central	935	939	-4
Total	2,797	2,738	59

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		
	July 2019	August 2019	change	July 2019	August 2019	change
Anadarko	437	443	6	2,858	2,862	4
Appalachia	142	142	-	17,836	17,831	(5)
Bakken	1,409	1,424	15	2,044	2,069	25
Eagle Ford	1,346	1,350	4	4,824	4,836	12
Haynesville	26	26	-	10,116	10,122	6
Niobrara	1,232	1,234	2	4,448	4,476	28
Permian	672	684	12	1,211	1,217	6
Rig-weighted average	705	715	10	4,064	4,054	(10)

Source: Energy Information Administration, *Drilling Productivity Report*