

National Mining Association

Weekly Statistical Summary

September 6, 2019 Edition
(Data for Week Ending August 31, 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. 35
Dated 09/06/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/31/19	09/01/18	% Chng	08/31/19	09/01/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	14,848	15,592	-4.8%	474,409	500,866	-5.3%
52 Weeks Ended	727,683	755,315	-3.7%			
AAR Coal Rail Cars Loaded:	86,661	92,084	-5.9%	2,721,873	2,915,944	-6.7%
Coal Production Month Ended - Aug	August 19/18		% Chng	Jan - Aug 19/18		% Chng
	62,838	69,325	-9.4%	474,409	500,866	-5.3%
DOC Coal Trade (000 Tons)						
Exports:	July 19/18			Jan - July 19/18		
			% Chng			% Chng
Metallurgical	3,656	4,763	-23.2%	32,661	36,583	-10.7%
Steam Bit. *	2,761	4,716	-41.5%	24,144	30,882	-21.8%
Lignite	8	8	0.0%	55	52	5.8%
Anthracite	70	51	37.3%	191	141	35.5%
Total	6,495	9,538	-31.9%	57,051	67,658	-15.7%
Imports:	511	692	-26.2%	3,804	3,605	5.5%
	Week Ended			Cumulative Week 1 to		
	08/31/19	09/01/18	% Chng	08/31/19	09/01/18	% Chng
EI Electric Total Output (Mil. Kwh)	82,497	89,856	-8.2%	2,760,975	2,823,900	-2.2%
EI Coal Region Output (Mil. Kwh)	71,036	78,552	-9.6%	2,393,273	2,445,145	-2.1%
AISI Raw Steel Output (000 Tons)	1,850	1,861	-0.6%	65,313	62,723	4.1%

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)	
	08/30/19	08/23/19	% Chng	Wed.	08/28/19
Central App, 12,500 Btu, 1.2 SO ₂	\$62.15	\$60.30	3.1%	Henry Hub	2.24
Northern App, 13,000 Btu, < 3.0 SO ₂	51.35	49.80	3.1%	New York	1.79
Illinois Basin, 11,800, 5.0 SO ₂	39.10	39.10	0.0%	Chicago	2.03
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.25	12.10	1.2%	Cal.Comp.Avg.	2.67
Uinta Basin, 11,700 Btu, 0.8 SO ₂	34.70	34.85	-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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THE AMERICAN RESOURCE

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		
	8/31/2019 (week 35)	8/24/2019 (week 34)	9/1/2018 (week 35)	8/31/2019	8/31/2018	% Change	8/31/2019	9/1/2018	% Change
Alabama	311	288	292	10,058	9,948	1.1	14,856	13,941	6.6
Alaska	16	17	15	578	550	5.2	928	886	4.7
Arizona	136	124	138	4,263	4,387	-2.8	6,409	6,612	-3.1
Colorado	288	262	290	9,133	9,519	-4.1	13,602	14,239	-4.5
Illinois	1,010	938	993	33,034	33,173	-0.4	49,213	48,143	2.2
Indiana	722	690	675	23,659	22,813	3.7	35,356	32,873	7.6
Kentucky Total	758	711	777	25,379	26,792	-5.3	38,226	39,791	-3.9
Eastern (KY)	306	285	331	10,264	11,641	-11.8	15,661	17,607	-11.1
Western (KY)	452	425	446	15,115	15,151	-0.2	22,566	22,184	1.7
Louisiana	41	32	41	970	1,026	-5.5	1,421	1,570	-9.5
Maryland	20	20	22	777	858	-9.4	1,214	1,392	-12.8
Mississippi	75	65	69	2,025	1,995	1.5	2,960	2,721	8.8
Missouri	5	5	5	153	173	-11.8	238	252	-5.6
Montana	731	713	766	22,047	24,636	-10.5	35,921	37,586	-4.4
New Mexico	319	267	244	8,071	5,832	38.4	13,000	9,574	35.8
North Dakota	583	555	634	18,953	19,798	-4.3	28,716	29,609	-3.0
Ohio	171	161	192	5,113	5,765	-11.3	8,315	8,936	-6.9
Oklahoma	17	12	19	429	545	-21.4	597	733	-18.6
Pennsylvania Total	973	930	934	32,719	33,555	-2.5	49,011	49,331	-0.6
Anthracite (PA)	42	38	37	1,307	1,234	5.9	1,964	1,850	6.2
Bituminous (PA)	931	892	897	31,412	32,321	-2.8	47,047	47,481	-0.9
Tennessee	4	4	5	139	158	-12.2	212	256	-17.2
Texas	416	368	532	14,598	17,063	-14.4	22,288	29,821	-25.3
Utah	266	247	279	9,249	9,069	2.0	13,763	14,206	-3.1
Virginia	249	233	258	8,104	8,722	-7.1	12,360	12,934	-4.4
West Virginia Total	1,872	1,774	1,888	62,547	64,569	-3.1	93,243	95,523	-2.4
Northern (WV)	927	879	906	30,695	30,580	0.4	46,112	46,153	-0.1
Southern (WV)	946	895	982	31,852	33,989	-6.3	47,131	49,369	-4.5
Wyoming	5,865	5,518	6,523	182,412	199,919	-8.8	285,832	304,386	-6.1
Appalachian Total	3,907	3,695	3,923	129,721	135,217	-4.1	194,872	199,920	-2.5
Interior Total	2,737	2,535	2,779	89,981	91,939	-2.1	134,641	138,297	-2.6
Western Total	8,204	7,703	8,889	254,706	273,709	-6.9	398,171	417,098	-4.5
East of Mississippi River	6,166	5,814	6,105	203,553	208,349	-2.3	304,967	305,841	-0.3
West of Mississippi River	8,682	8,120	9,487	270,855	292,517	-7.4	422,716	449,475	-6.0
Bituminous and Lignite	14,807	13,896	15,554	473,101	499,631	-5.3	725,719	753,466	-3.7
Anthracite	42	38	37	1,307	1,234	5.9	1,964	1,850	6.2
U.S. Total	14,848	13,934	15,592	474,409	500,866	-5.3	727,683	755,315	-3.7
Railroad Cars Loaded	86,661	81,319	92,084	2,721,873	2,915,944	-6.7	4,210,501	4,394,845	-4.2

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 35

OUTPUT FOR WEEK ENDED - Aug 31, 2019

Sep 05, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Aug 31, 2019** was **82,497** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **174** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended August 31		52 Weeks Ended August 31	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,213	-22.9	118,920	-2.9
Mid-Atlantic	8,164	-21.7	433,501	-1.0
Central Industrial	12,095	-17.6	667,966	-2.1
West Central	6,236	-13.0	330,652	-2.0
Southeast	19,756	-12.1	1,036,242	-0.4
South Central	17,842	0.6	757,723	-0.3
Rocky Mountain	6,943	14.5	280,959	0.6
Pacific Northwest	2,678	6.0	156,812	-0.5
Pacific Southwest	6,570	11.2	268,025	-4.1
Total United States	82,497	-8.2	4,050,799	-1.1

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
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 24	89,601	Aug 25	85,509	4.8	Aug 24	4,058,158	-0.6
Aug 31	82,497	Sep 01	89,856	-8.2	Aug 31	4,050,799	-1.1
Aug 31	2,760,975	Sep 01	2,823,900	-2.2	YEAR TO DATE, FIRST 35 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Aug 10	181	Aug 11	184	Aug 12	166
Aug 17	185	Aug 18	173	Aug 19	178
Aug 24	186	Aug 25	163	Aug 26	173
Aug 31	174	Sep 01	175	Sep 02	159

* 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		
	31-Aug 2019 GWh Output	1-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018	31-Aug 2019 GWh Output	1-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018	31-Aug 2019 GWh Output	1-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,213	2,872	-22.9%	80,387	83,678	-3.9%	118,920	122,464	-2.9%
Mid-Atlantic	8,164	10,424	-21.7%	295,264	302,159	-2.3%	433,501	437,915	-1.0%
Central Industrial	12,095	14,682	-17.6%	455,071	471,686	-3.5%	667,966	682,162	-2.1%
West Central	6,236	7,166	-13.0%	224,853	232,096	-3.1%	330,652	337,434	-2.0%
Southeast	19,756	22,477	-12.1%	703,138	718,799	-2.2%	1,036,242	1,040,371	-0.4%
South Central	17,842	17,739	0.6%	524,864	530,084	-1.0%	757,723	759,818	-0.3%
Rocky Mountain	6,943	6,064	14.5%	190,083	190,321	-0.1%	280,959	279,421	0.6%
Pacific Northwest	2,678	2,526	6.0%	106,646	105,778	0.8%	156,812	157,534	-0.5%
Pacific Southwest	6,570	5,906	11.2%	180,671	189,298	-4.6%	268,025	279,551	-4.1%
Total United States ^{1/}	82,497	89,856	-8.2%	2,760,977	2,823,899	-2.2%	4,050,800	4,096,670	-1.1%
Coal Regions Only ^{2/}	71,036	78,552	-9.6%	2,393,273	2,445,145	-2.1%	3,507,043	3,537,121	-0.9%

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

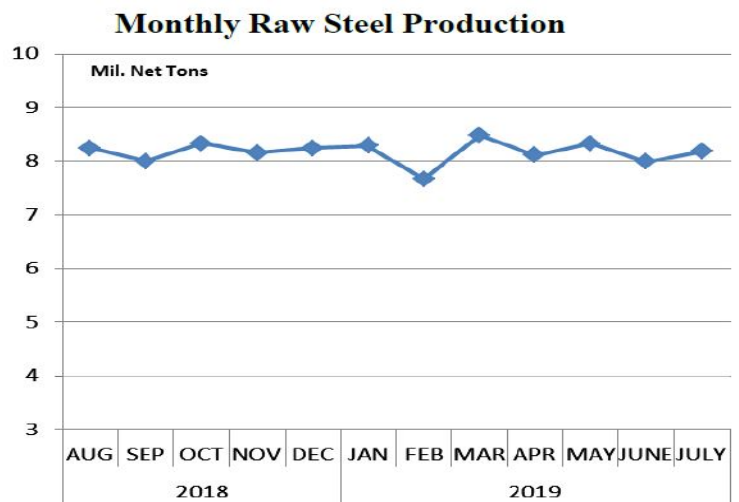
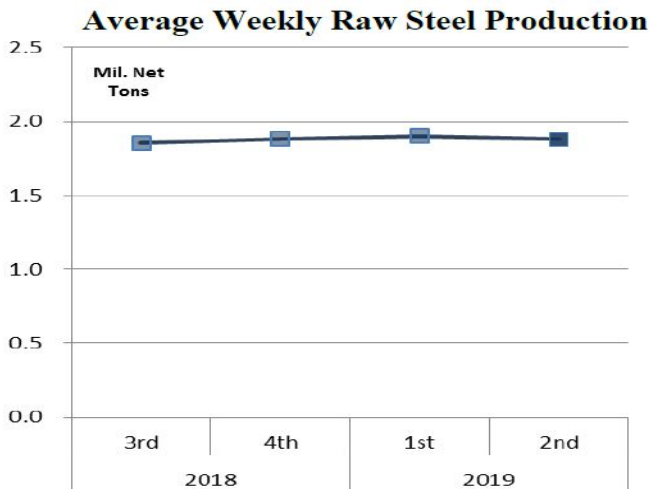
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ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Aug 31</u>	<u>Aug 24</u>	
<u>Week Ending</u>				North East	209	202
				Great Lakes	673	681
August 31, 2019	1,850	-1.4	79.5	Midwest	198	204
August 31, 2018	1,861	-0.6	79.4	Southern	699	719
August 24, 2019	1,877	1.1	80.6	Western	71	71
				Total	1,850	1,877
<u>Year-to-Date +</u>						
August 31, 2019	65,313	4.1	80.8			
August 31, 2018	62,723	-	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 35, 2019 – Ended August 31, 2019

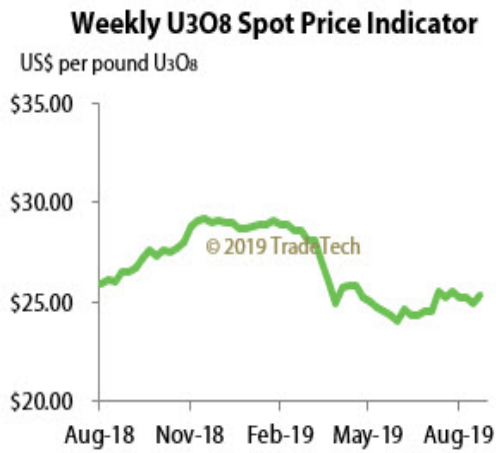
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	268,597	-4.2%	8,871,704	253,477	-3.4%
Chemicals	33,146	-0.8%	1,131,072	32,316	-0.2%
Coal	86,661	-5.7%	2,741,525	78,329	-6.6%
Farm Products excl. Grain, and Food	16,128	-1.3%	545,727	15,592	-3.7%
Forest Products	10,923	-3.3%	347,007	9,914	-4.0%
Grain	22,060	-2.9%	771,187	22,034	-4.9%
Metallic Ores and Metals	23,569	-6.5%	775,026	22,144	-4.8%
Motor Vehicles and Parts	17,441	0.4%	566,785	16,194	-2.0%
Nonmetallic Minerals	36,305	-8.1%	1,212,838	34,653	-4.6%
Petroleum and Petroleum Products	12,317	0.5%	445,648	12,733	19.5%
Other	10,047	-2.1%	334,889	9,568	0.0%
Total Intermodal Units	273,348	-4.9%	9,328,443	266,527	-3.9%
Total Traffic	541,945	-4.5%	18,200,147	520,004	-3.6%

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.

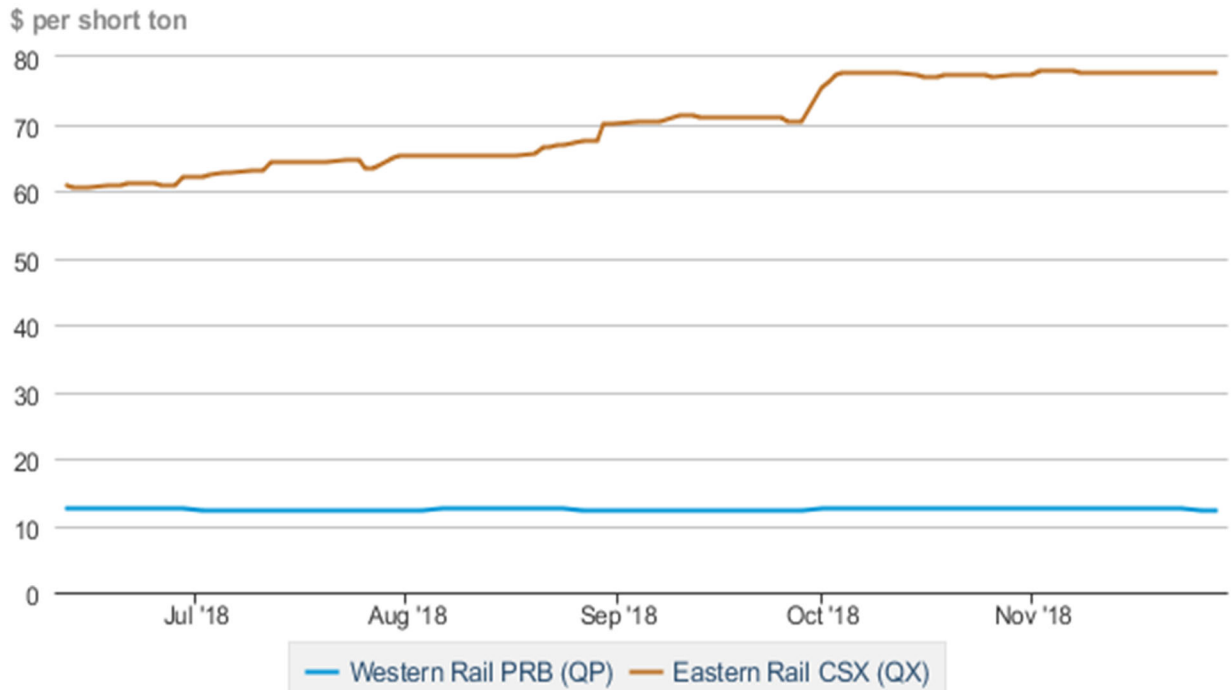
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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.

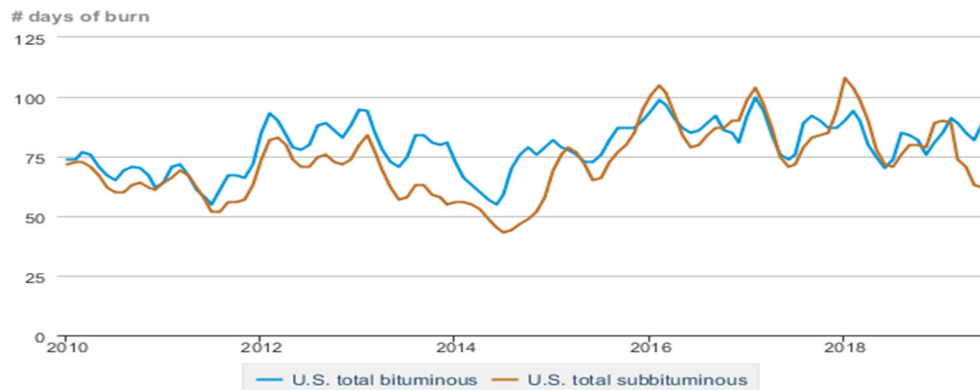
Source: Energy Information Administration **Note: EIA has discontinued reporting NYMEX coal Futures price data.**

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	08/02/19	08/09/19	08/16/19	08/23/19	08/30/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$65.80	\$65.80	\$62.05	\$60.30	\$62.15	\$1.85
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$49.80	\$49.80	\$49.80	\$49.80	\$51.35	\$1.55
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	\$12.05	\$12.05	\$12.05	\$12.10	\$12.25	\$0.15
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$34.85	\$34.85	\$34.85	\$34.85	\$34.70	-\$0.15

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Aug 22)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	0	-4	-1	62	32	15
Middle Atlantic	0	-3	-1	81	37	19
E N Central	1	-5	-1	59	17	6
W N Central	3	-4	-1	60	4	11
South Atlantic	0	-1	0	114	27	11
E S Central	0	0	0	106	22	14
W S Central	0	0	0	147	28	16
Mountain	1	-8	-7	87	19	11
Pacific	1	-3	1	48	5	-19
United States	1	-3	-1	85	20	8

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

Source: National Oceanic and Atmospheric Administration

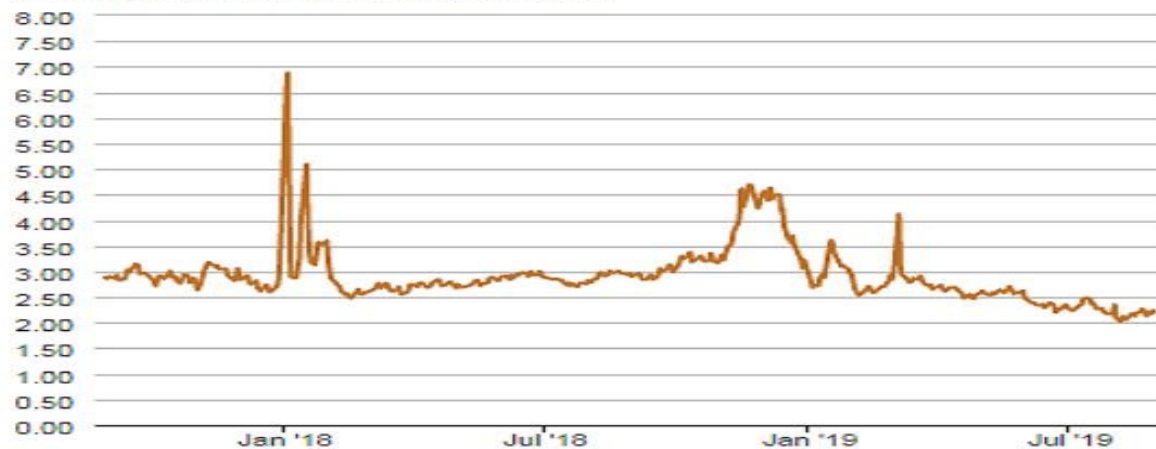
Source: Energy Information Administration, *Natural Gas Weekly Update*.

USGS Production of Selected Mineral Commodities	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: 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	June 2019		June 2018		% Change of Stocks	May 2019		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	4,129	196	3,408	85	21.1%	3,956	194	4.4%
	Subbituminous	163	227	147	213	11.4%	163	250	0.0%
South	Bituminous	23,997	88	21,552	62	11.3%	22,319	80	7.5%
	Subbituminous	4,739	45	6,246	55	-24.1%	5,071	50	-6.6%
Midwest	Bituminous	11,195	81	10,802	73	3.6%	10,056	72	11.3%
	Subbituminous	22,647	73	31,480	79	-28.1%	22,226	73	1.9%
West	Bituminous	3,776	71	5,317	99	-29.0%	3,971	79	-4.9%
	Subbituminous	19,618	58	24,961	69	-21.4%	19,636	58	-0.1%
U.S. Total	Bituminous	43,097	89	41,080	70	4.9%	40,302	82	6.9%
	Subbituminous	47,167	62	62,833	72	-24.9%	47,096	63	0.2%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

Working gas in underground storage

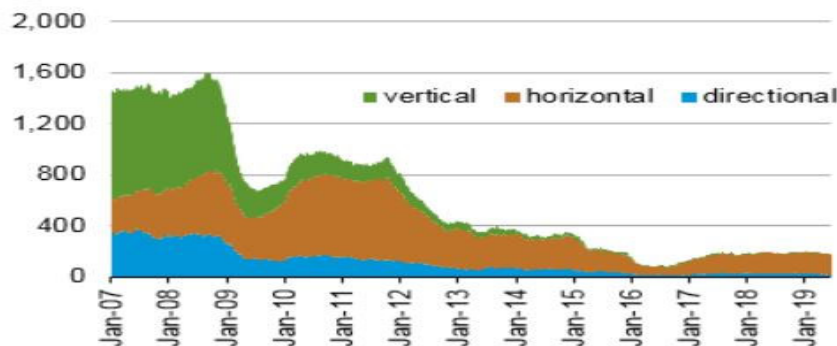
Region	Stocks billion cubic feet (Bcf)		
	2019-08-23	2019-08-16	change
East	682	660	22
Midwest	790	760	30
Mountain	173	168	5
Pacific	278	274	4
South Central	934	935	-1
Total	2,857	2,797	60

Source: Form EIA-912, *Weekly Underground Natural Gas Storage Report*

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

EIA Natural Gas Rig Count

Weekly natural gas rig count active rigs



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		
	August 2019	September 2019	change	August 2019	September 2019	change
Anadarko	471	481	10	2,951	2,968	17
Appalachia	147	149	2	18,213	18,238	25
Bakken	1,425	1,437	12	2,092	2,138	46
Eagle Ford	1,361	1,366	5	4,864	4,882	18
Haynesville	26	26	-	10,122	10,128	6
Niobrara	1,231	1,234	3	4,280	4,293	13
Permian	684	768	84	1,244	1,426	182
Rig-weighted average	720	767	47	4,104	4,175	71

Source: Energy Information Administration, *Drilling Productivity Report*