

National Mining Association

Weekly Statistical Summary

January 3, 2020 Edition
(Data for Week Ending December 28, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 52
Dated 01/03/20

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/28/19	12/29/18	% Chng	12/28/19	12/28/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	10,381	11,413	-9.0%	700,101	751,372	-6.8%
52 Weeks Ended	703,372	754,362	-6.8%			
AAR Coal Rail Cars Loaded:	60,454	68,511	-11.8%	3,980,519	4,387,745	-9.3%
Coal Production Month Ended - Nov.	November 19/18		% Chng	Jan - Nov 19/18		% Chng
	54,228	62,857	-13.7%	649,025	692,694	-6.3%
DOC Coal Trade (000 Tons)						
Exports:	October 19/18		% Chng	Jan - Oct 19/18		% Chng
Metallurgical	3,835	5,836	-34.3%	46,311	52,176	-11.2%
Steam Bit. *	2,581	4,816	-46.4%	32,293	45,444	-28.9%
Lignite	9	6	50.0%	78	71	9.9%
Anthracite	7	28	-75.0%	239	195	22.6%
Total	6,432	10,686	-39.8%	78,921	97,886	-19.4%
Imports:	742	304	144.1%	5,716	4,656	22.8%
	Week Ended			Cumulative Week 1 to		
	12/28/19	12/29/18	% Chng	12/28/19	12/29/18	% Chng
EI Electric Total Output (Mil. Kwh)	70,949	73,118	-3.0%	4,042,869	4,113,724	-1.7%
EI Coal Region Output (Mil. Kwh)	60,262	62,738	-3.9%	3,500,082	3,558,917	-1.7%
AISI Raw Steel Output (000 Tons)	1,876	1,861	0.8%	96,326	94,638	1.8%

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)	
	12/27/19	12/20/19	% Chng	Wed.	12/18/19
Central App, 12,500 Btu, 1.2 SO ₂	\$60.30	\$60.30	0.0%	Henry Hub	2.24
Northern App, 13,000 Btu, < 3.0 SO ₂	50.75	50.75	0.0%	New York	5.61
Illinois Basin, 11,800, 5.0 SO ₂	34.20	34.20	0.0%	Chicago	2.12
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.80	11.80	0.0%	Cal.Comp.Avg.	3.53
Uinta Basin, 11,700 Btu, 0.8 SO ₂	31.45	30.50	3.1%		

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		
	12/28/2019 (week 52)	12/21/2019 (week 51)	12/29/2018 (week 52)	12/28/2019	12/28/2018	% Change	12/28/2019	12/29/2018	% Change
Alabama	220	256	217	14,487	14,692	-1.4	14,550	14,744	-1.3
Alaska	18	20	17	984	894	10.1	989	899	10.0
Arizona	.	.	95	3,843	6,510	-41.0	3,870	6,537	-40.8
Colorado	181	223	198	12,419	13,942	-10.9	12,475	13,997	-10.9
Illinois	734	855	730	47,475	49,175	-3.5	47,684	49,359	-3.4
Indiana	502	602	538	32,662	34,372	-5.0	32,816	34,502	-4.9
Kentucky Total	543	658	582	36,664	39,496	-7.2	36,831	39,649	-7.1
Eastern (KY)	207	251	243	14,124	16,979	-16.8	14,193	17,046	-16.7
Western (KY)	336	407	339	22,540	22,517	0.1	22,637	22,602	0.2
Louisiana	16	21	17	1,321	1,476	-10.5	1,326	1,482	-10.5
Maryland	23	27	21	1,447	1,289	12.2	1,453	1,295	12.2
Mississippi	36	46	40	2,691	2,923	-7.9	2,702	2,933	-7.9
Missouri	3	4	4	195	257	-24.2	196	258	-24.0
Montana	536	636	645	34,064	38,339	-11.2	34,249	38,499	-11.0
New Mexico	270	314	236	15,380	10,693	43.8	15,447	10,745	43.8
North Dakota	395	477	432	26,076	29,462	-11.5	26,199	29,576	-11.4
Ohio	127	153	145	8,124	8,932	-9.0	8,166	8,970	-9.0
Oklahoma	4	7	6	257	714	-64.0	259	716	-63.8
Pennsylvania Total	718	859	750	48,441	49,653	-2.4	48,656	49,845	-2.4
Anthracite (PA)	36	42	30	2,339	1,883	24.2	2,348	1,891	24.2
Bituminous (PA)	682	817	720	46,103	47,770	-3.5	46,309	47,954	-3.4
Tennessee	4	5	3	387	231	68.0	388	232	67.2
Texas	323	403	333	22,626	24,683	-8.3	22,722	24,802	-8.4
Utah	221	269	203	14,598	13,533	7.9	14,656	13,592	7.8
Virginia	182	220	193	12,382	12,931	-4.2	12,437	12,981	-4.2
West Virginia Total	1,358	1,627	1,384	92,295	94,929	-2.8	92,691	95,297	-2.7
Northern (WV)	704	847	705	46,701	45,819	1.9	46,903	46,007	1.9
Southern (WV)	654	780	679	45,594	49,110	-7.2	45,788	49,291	-7.1
Wyoming	3,968	4,997	4,625	271,285	302,245	-10.2	272,610	303,452	-10.2
Appalachian Total	2,838	3,399	2,956	191,687	199,636	-4.0	192,534	200,411	-3.9
Interior Total	1,954	2,344	2,006	129,768	136,117	-4.7	130,342	136,654	-4.6
Western Total	5,589	6,936	6,452	378,647	415,619	-8.9	380,496	417,297	-8.8
East of Mississippi River	4,446	5,309	4,602	297,055	308,623	-3.7	298,374	309,807	-3.7
West of Mississippi River	5,935	7,371	6,812	403,046	442,749	-9.0	404,999	444,555	-8.9
Bituminous and Lignite	10,344	12,637	11,383	697,762	749,489	-6.9	701,025	752,471	-6.8
Anthracite	36	42	30	2,339	1,883	24.2	2,348	1,891	24.2
U.S. Total	10,381	12,679	11,413	700,101	751,372	-6.8	703,372	754,362	-6.8
Railroad Cars Loaded	60,454	72,032	68,511	3,980,519	4,387,745	-9.3	4,000,173	4,405,513	-9.2

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 52

OUTPUT FOR WEEK ENDED - Dec 28, 2019

Jan 02, 2020

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, Dec 28, 2019 was **70,949** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **163** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended December 28		52 Weeks Ended December 28	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,242	-1.2	117,133	-4.2
Mid-Atlantic	7,925	0.3	428,514	-2.7
Central Industrial	11,202	-6.7	660,478	-3.5
West Central	5,782	-4.4	329,870	-2.4
Southeast	17,025	-9.2	1,027,445	-2.3
South Central	12,697	1.6	769,886	0.9
Rocky Mountain	5,631	1.6	283,887	1.0
Pacific Northwest	3,553	2.7	157,502	1.0
Pacific Southwest	4,892	5.2	268,153	-3.1
Total United States	70,949	-3.0	4,042,869	-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)
Dec 07	76,146	Dec 08	79,147	-3.8	Dec 07	4,042,946	-2.0
Dec 14	77,234	Dec 15	79,940	-3.4	Dec 14	4,040,240	-2.0
Dec 21	81,044	Dec 22	76,247	6.3	Dec 21	4,045,038	-1.9
Dec 28	70,949	Dec 29	73,118	-3.0	Dec 28	4,042,869	-1.7
Dec 28	4,042,869	Dec 29	4,113,724	-1.7	YEAR TO DATE, FIRST 52 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Dec 07	173	Dec 08	185	Dec 09	202
Dec 14	168	Dec 15	179	Dec 16	203
Dec 21	179	Dec 22	172	Dec 23	192
Dec 28	163	Dec 29	172	Dec 30	218

* 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		
	28-Dec 2019 GWh Output	29-Dec 2018 GWh Output	% Increase Over Corresponding Week of 2018	28-Dec 2019 GWh Output	29-Dec 2018 GWh Output	% Increase Over Corresponding Week of 2018	28-Dec 2019 GWh Output	29-Dec 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,242	2,269	-1.2%	117,136	122,213	-4.2%	117,133	122,211	-4.2%
Mid-Atlantic	7,925	7,899	0.3%	428,518	440,398	-2.7%	428,514	440,401	-2.7%
Central Industrial	11,202	12,003	-6.7%	660,479	684,580	-3.5%	660,478	684,580	-3.5%
West Central	5,782	6,050	-4.4%	329,868	337,897	-2.4%	329,870	337,891	-2.4%
Southeast	17,025	18,752	-9.2%	1,027,440	1,051,898	-2.3%	1,027,445	1,051,898	-2.3%
South Central	12,697	12,492	1.6%	769,888	762,945	0.9%	769,886	762,943	0.9%
Rocky Mountain	5,631	5,542	1.6%	283,889	281,199	1.0%	283,887	281,198	1.0%
Pacific Northwest	3,553	3,460	2.7%	157,501	155,943	1.0%	157,502	155,948	1.0%
Pacific Southwest	4,892	4,651	5.2%	268,154	276,653	-3.1%	268,153	276,654	-3.1%
Total United States ^{1/}	<u>70,949</u>	<u>73,118</u>	-3.0%	<u>4,042,873</u>	<u>4,113,726</u>	-1.7%	4,042,868	4,113,724	-1.7%
Coal Regions Only ^{2/}	60,262	62,738	-3.9%	3,500,082	3,558,917	-1.7%	3,500,080	3,558,911	-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*.

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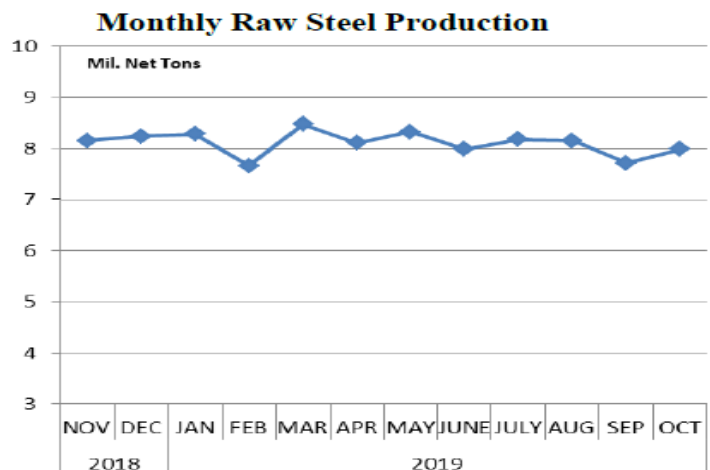
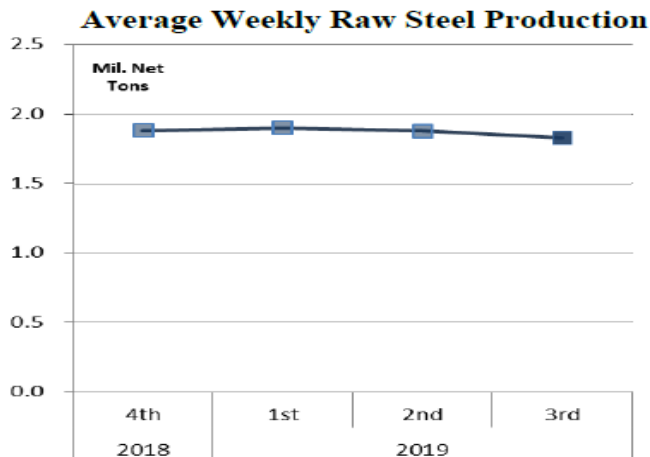
December 30, 2019

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 Dec 28</u>	<u>Week Ending Dec 21</u>	
<u>Week Ending</u>				North East	223	207
				Great Lakes	704	681
December 28, 2019	1,876	0.5	81.1	Midwest	197	194
December 28, 2018	1,861	0.8	79.4	Southern	664	695
December 21, 2019	1,866	1.2	80.7	Western	88	89
				Total	1,876	1,866
<u>Year-to-Date +</u>						
December 28, 2019	96,326	1.8	80.2			
December 28, 2018	94,638	-	78.2			

*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 2019 is approximately 30.4 million net tons vs. 30.8 million net tons for the same period last year, and 30.6 million tons for the third 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 50, 2019 – Ended December 14, 2019
U.S. Rail Traffic¹
Week 52, 2019 – Ended December 28, 2019

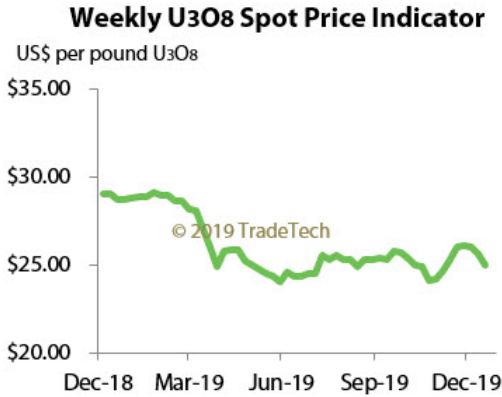
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	191,590	-8.9%	12,972,404	249,469	-4.9%
Chemicals	28,874	-1.2%	1,661,445	31,951	-0.6%
Coal	60,454	-11.7%	4,000,171	76,926	-9.2%
Farm Products excl. Grain, and Food	13,484	-1.0%	807,154	15,522	-4.0%
Forest Products	8,745	-4.1%	509,238	9,793	-4.5%
Grain	15,524	-16.0%	1,115,976	21,461	-5.7%
Metallic Ores and Metals	19,903	-8.7%	1,130,319	21,737	-6.9%
Motor Vehicles and Parts	8,575	-16.3%	831,857	15,997	-2.9%
Nonmetallic Minerals	19,035	-10.0%	1,758,116	33,810	-4.5%
Petroleum and Petroleum Products	11,352	-2.5%	660,932	12,710	12.2%
Other	5,644	-13.9%	497,196	9,561	-1.4%
Total Intermodal Units	182,138	-9.5%	13,732,570	264,088	-5.1%
Total Traffic	373,728	-9.2%	26,704,974	513,557	-5.0%

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

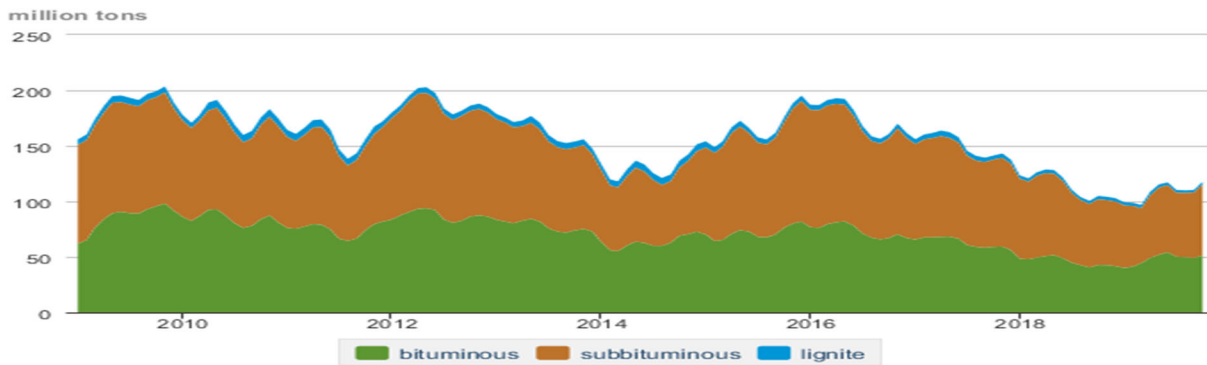


Ux U3O8 Price - Full History



Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Source: Ux Consulting Co., LLC – <http://www.uxc.com>

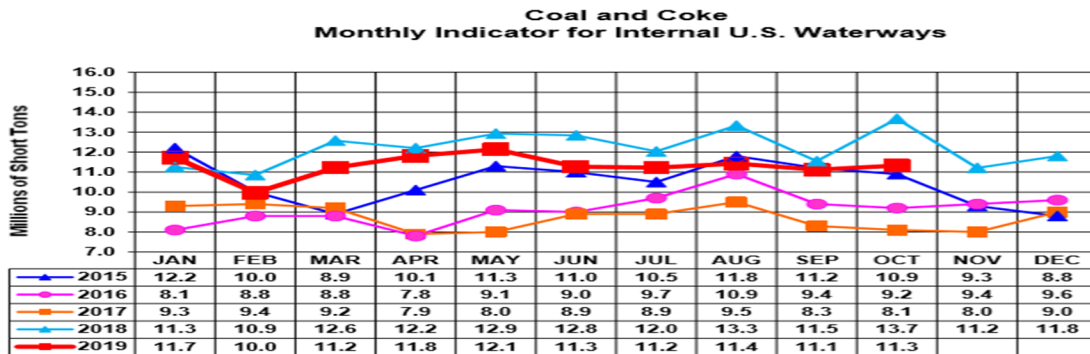
Coal stocks by type, January 2009 - October 2019



Source: U.S. Energy Information Administration

Source: Energy Information Administration, Electric Monthly Update

Source: Energy Information Administration, Electric Monthly Update



For the Internal U.S. Waterway Monthly Indicators, estimates for the most recent month are based on lock performance management data. The estimates will be superseded by actual data as it becomes available.

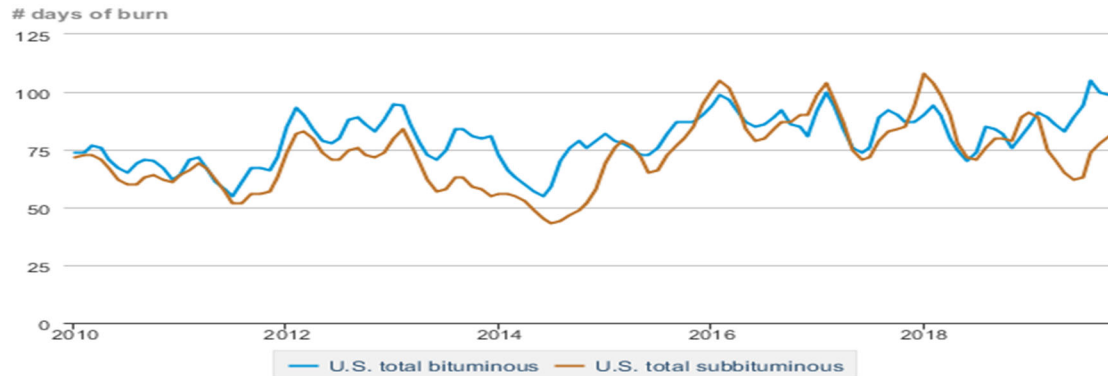
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	11/29/19	12/06/19	12/13/19	12/20/19	12/27/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$61.90	\$61.90	\$61.55	\$60.30	\$60.30	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$52.40	\$52.40	\$51.95	\$50.75	\$50.75	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$36.45	\$36.45	\$36.30	\$34.20	\$34.20	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.80	\$11.80	\$11.75	\$11.80	\$11.80	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$32.35	\$32.35	\$32.20	\$30.50	\$31.45	\$0.95

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Dec 12)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	229	8	-37	0	0	0
Middle Atlantic	210	0	-41	0	0	0
E N Central	232	-9	-38	0	0	0
W N Central	263	-4	-20	0	0	0
South Atlantic	135	-12	-58	12	4	8
E S Central	129	-23	-62	0	-1	0
W S Central	88	-25	-43	4	1	4
Mountain	184	-36	-26	0	0	0
Pacific	93	-23	-15	0	-1	0
United States	175	-14	-36	3	1	2

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 - 2nd Quarter	2018 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	419.0	417.0	0%
Cement (Mil. Mt.)	40.3	40.5	0%
Copper (000 Mt.)	604.0	599.0	1%
Gold (Mt.)	104.0	110.0	-5%
Gypsum (Mil. Mt.)	8.7	8.4	4%
Iron Ore (Mil. Mt.)	23.3	24.0	-3%
Lead (000 Mt.)	136.0	129.0	5%
Molybdenum (000 Mt.)	22.0	20.8	6%
Phosphate rock (Mil. Mt.)	11.4	13.6	-16%
Sand & gravel, construction (Mil. Mt.)	441.0	432.0	2%
Silver (Mt.)	519.0	446.0	16%
Soda ash (Mil. Mt.)	5.8	5.8	0%
Stone, crushed (Mil. Mt.)	687.0	639.0	8%
Zinc (000 Mt.)	374.0	384.0	-3%

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	October 2019		October 2018			September 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	3,996	193	3,258	94	22.6%	3,897	191	2.5%
	Subbituminous	162	158	163	113	-0.7%	162	159	0.0%
South	Bituminous	22,467	106	18,869	82	19.1%	21,291	104	5.5%
	Subbituminous	5,236	64	4,605	56	13.7%	4,676	61	12.0%
Midwest	Bituminous	11,138	85	9,205	75	21.0%	10,286	86	8.3%
	Subbituminous	25,039	97	27,720	91	-9.7%	22,172	92	12.9%
West	Bituminous	3,223	66	4,205	91	-23.4%	3,408	73	-5.4%
	Subbituminous	21,285	71	20,272	76	5.0%	20,078	72	6.0%
U.S. Total	Bituminous	40,823	99	35,538	82	14.9%	38,881	100	5.0%
	Subbituminous	51,721	81	52,759	80	-2.0%	47,088	78	9.8%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

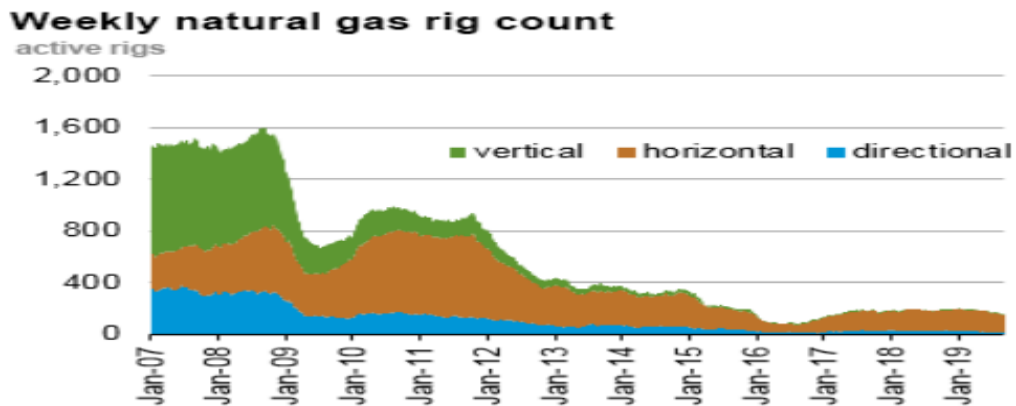
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-12-13	2019-12-06	change
East	838	867	-29
Midwest	973	1,013	-40
Mountain	186	193	-7
Pacific	273	276	-3
South Central	1,142	1,168	-26
Total	3,411	3,518	-107

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

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

EIA Natural Gas Rig Count



eia 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		
	December 2019	January 2020	change	December 2019	January 2020	change
Anadarko	606	625	19	4,141	4,230	89
Appalachia	161	164	3	18,662	18,740	78
Bakken	1,515	1,553	38	2,235	2,282	47
Eagle Ford	1,432	1,449	17	4,920	4,929	9
Haynesville	27	27	-	10,322	10,366	44
Niobrara	1,210	1,214	4	4,224	4,229	5
Permian	796	798	2	1,558	1,563	5
Rig-weighted average	821	833	12	4,186	4,092	(94)

Source: Energy Information Administration, *Drilling Productivity Report*