

National Mining Association

Weekly Statistical Summary

December 27, 2019 Edition
(Data for Week Ending December 21, 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. 51
Dated 12/27/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/21/19	12/22/18	% Chng	12/21/19	12/21/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	12,679	16,076	-21.1%	689,721	739,393	-6.7%
52 Weeks Ended	704,405	753,546	-6.5%			
AAR Coal Rail Cars Loaded:	72,032	93,964	-23.3%	3,920,065	4,316,163	-9.2%
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		
	12/21/19	12/22/18	% Chng	12/21/19	12/22/18	% Chng
EI Electric Total Output (Mil. Kwh)	81,044	76,247	6.3%	3,971,920	4,040,606	-1.7%
EI Coal Region Output (Mil. Kwh)	69,728	65,554	6.4%	3,439,820	3,496,179	-1.6%
AISI Raw Steel Output (000 Tons)	1,866	1,861	0.3%	94,450	92,777	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)	
	12/20/19	12/13/19	% Chng	Wed.	12/18/19
Central App, 12,500 Btu, 1.2 SO ₂	\$60.30	\$61.55	-2.0%	Henry Hub	2.24
Northern App, 13,000 Btu, < 3.0 SO ₂	50.75	51.95	-2.3%	New York	5.61
Illinois Basin, 11,800, 5.0 SO ₂	34.20	36.30	-5.8%	Chicago	2.12
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.80	11.75	0.4%	Cal.Comp.Avg.	3.53
Uinta Basin, 11,700 Btu, 0.8 SO ₂	30.50	32.20	-5.3%		

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



NMA
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		
	12/21/2019 (week 51)	12/14/2019 (week 50)	12/22/2018 (week 51)	12/21/2019	12/21/2018	% Change	12/21/2019	12/22/2018	% Change
Alabama	256	266	306	14,268	14,464	-1.4	14,547	14,697	-1.0
Alaska	20	21	24	967	876	10.3	989	896	10.4
Arizona	.	.	134	3,843	6,410	-40.1	3,965	6,540	-39.4
Colorado	223	221	279	12,238	13,735	-10.9	12,492	14,004	-10.8
Illinois	855	891	1,028	46,740	48,409	-3.4	47,679	49,256	-3.2
Indiana	602	608	757	32,161	33,808	-4.9	32,852	34,384	-4.5
Kentucky Total	658	659	820	36,121	38,885	-7.1	36,870	39,612	-6.9
Eastern (KY)	251	253	343	13,917	16,723	-16.8	14,230	17,058	-16.6
Western (KY)	407	406	477	22,204	22,161	0.2	22,640	22,554	0.4
Louisiana	21	21	24	1,305	1,458	-10.5	1,328	1,491	-10.9
Maryland	27	27	29	1,424	1,268	12.3	1,451	1,296	12.0
Mississippi	46	45	56	2,655	2,882	-7.9	2,706	2,925	-7.5
Missouri	4	4	5	192	253	-24.2	197	258	-23.6
Montana	636	668	909	33,527	37,662	-11.0	34,358	38,386	-10.5
New Mexico	314	324	332	15,110	10,446	44.7	15,413	10,661	44.6
North Dakota	477	485	609	25,680	29,008	-11.5	26,236	29,554	-11.2
Ohio	153	157	205	7,997	8,779	-8.9	8,184	8,958	-8.6
Oklahoma	7	6	8	253	708	-64.3	260	718	-63.8
Pennsylvania Total	859	870	1,056	47,723	48,866	-2.3	48,688	49,761	-2.2
Anthracite (PA)	42	44	43	2,302	1,852	24.4	2,341	1,887	24.1
Bituminous (PA)	817	826	1,014	45,421	47,014	-3.4	46,346	47,873	-3.2
Tennessee	5	5	5	383	227	68.7	387	232	66.8
Texas	403	394	469	22,304	24,333	-8.3	22,732	25,008	-9.1
Utah	269	265	286	14,377	13,320	7.9	14,638	13,614	7.5
Virginia	220	222	271	12,200	12,729	-4.2	12,448	12,964	-4.0
West Virginia Total	1,627	1,652	1,949	90,937	93,477	-2.7	92,717	95,240	-2.6
Northern (WV)	847	852	993	45,997	45,079	2.0	46,904	45,978	2.0
Southern (WV)	780	800	956	44,940	48,398	-7.1	45,813	49,262	-7.0
Wyoming	4,997	4,917	6,514	267,317	297,391	-10.1	273,267	303,093	-9.8
Appalachian Total	3,399	3,452	4,164	188,849	196,533	-3.9	192,652	200,206	-3.8
Interior Total	2,344	2,375	2,825	127,814	134,012	-4.6	130,394	136,594	-4.5
Western Total	6,936	6,901	9,088	373,058	408,847	-8.8	381,359	416,746	-8.5
East of Mississippi River	5,309	5,403	6,482	292,609	303,793	-3.7	298,530	309,324	-3.5
West of Mississippi River	7,371	7,326	9,595	397,112	435,600	-8.8	405,875	444,222	-8.6
Bituminous and Lignite	12,637	12,685	16,034	687,418	737,541	-6.8	702,064	751,659	-6.6
Anthracite	42	44	43	2,302	1,852	24.4	2,341	1,887	24.1
U.S. Total	12,679	12,728	16,076	689,721	739,393	-6.7	704,405	753,546	-6.5
Railroad Cars Loaded	72,032	72,320	93,964	3,920,065	4,316,163	-9.2	4,008,230	4,399,350	-8.9

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 51

OUTPUT FOR WEEK ENDED - Dec 21, 2019

Dec 26, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, Dec 21, 2019 was **81,044** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **179** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended December 21		52 Weeks Ended December 21	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,532	6.6	117,160	-4.4
Mid-Atlantic	9,013	7.6	428,489	-3.0
Central Industrial	13,537	4.3	661,279	-3.7
West Central	6,652	4.6	330,138	-2.5
Southeast	20,017	4.2	1,029,172	-2.4
South Central	14,764	11.5	769,680	0.7
Rocky Mountain	5,745	6.6	283,799	0.9
Pacific Northwest	3,619	5.6	157,409	0.7
Pacific Southwest	5,165	5.6	267,912	-3.2
Total United States	81,044	6.3	4,045,038	-1.9

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Nov 30	70,815	Dec 01	76,038	-6.9	Nov 30	4,045,947	-1.9
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 21	3,971,920	Dec 22	4,040,606	-1.7	YEAR TO DATE, FIRST 51 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Nov 30	178	Dec 01	185	Dec 02	184
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

* 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		
	21-Dec 2019 GWh Output	22-Dec 2018 GWh Output	% Increase Over Corresponding Week of 2018	21-Dec 2019 GWh Output	22-Dec 2018 GWh Output	% Increase Over Corresponding Week of 2018	21-Dec 2019 GWh Output	22-Dec 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,532	2,375	6.6%	114,894	119,944	-4.2%	117,160	122,610	-4.4%
Mid-Atlantic	9,013	8,374	7.6%	420,593	432,499	-2.8%	428,489	441,572	-3.0%
Central Industrial	13,537	12,978	4.3%	649,277	672,577	-3.5%	661,279	686,474	-3.7%
West Central	6,652	6,357	4.6%	324,086	331,847	-2.3%	330,138	338,706	-2.5%
Southeast	20,017	19,213	4.2%	1,010,415	1,033,146	-2.2%	1,029,172	1,054,349	-2.4%
South Central	14,764	13,240	11.5%	757,191	750,453	0.9%	769,680	764,588	0.7%
Rocky Mountain	5,745	5,392	6.5%	278,258	275,657	0.9%	283,799	281,151	0.9%
Pacific Northwest	3,619	3,427	5.6%	153,948	152,483	1.0%	157,409	156,261	0.7%
Pacific Southwest	5,165	4,891	5.6%	263,262	272,002	-3.2%	267,912	276,898	-3.2%
Total United States ^{1/}	<u>81,044</u>	<u>76,247</u>	6.3%	<u>3,971,924</u>	<u>4,040,608</u>	-1.7%	4,045,038	4,122,609	-1.9%
Coal Regions Only ^{2/}	69,728	65,554	6.4%	3,439,820	3,496,179	-1.6%	3,502,557	3,566,840	-1.8%

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

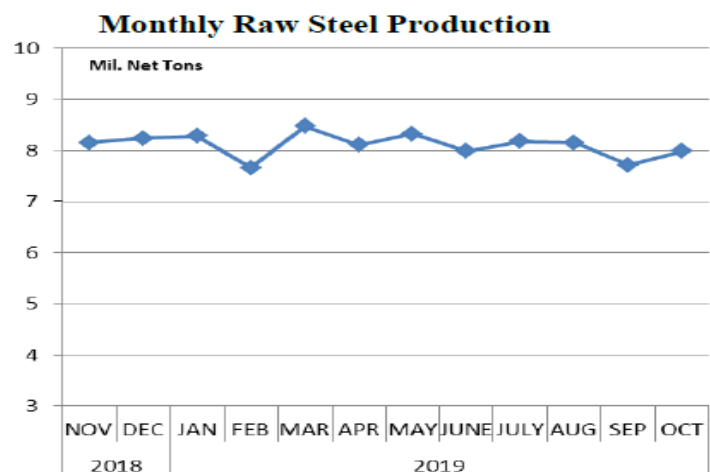
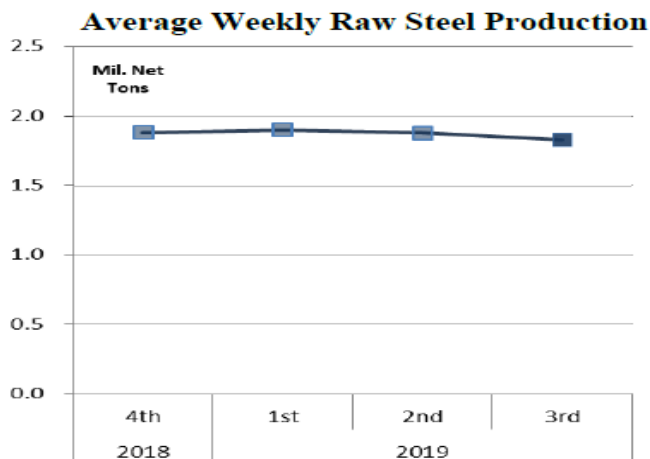
December 23, 2019

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 21</u>	<u>Week Ending Dec 14</u>	
<u>Week Ending</u>				North East	207	212
				Great Lakes	681	681
December 21, 2019	1,866	1.2	80.7	Midwest	194	192
December 21, 2018	1,861	0.3	79.4	Southern	695	669
December 14, 2019	1,844	1.3	79.7	Western	89	90
				Total	1,866	1,844
<u>Year-to-Date +</u>						
December 21, 2019	94,450	1.8	80.1			
December 21, 2018	92,777	-	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.

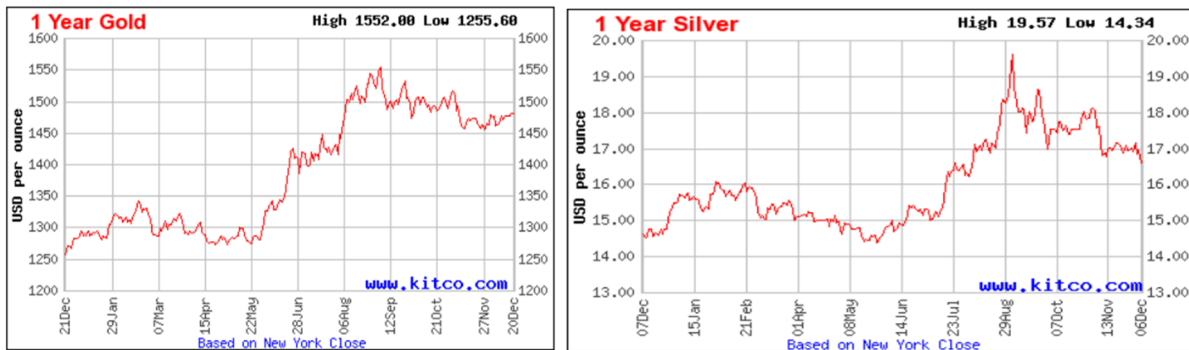
NOTE: Capacity for the fourth quarter 2019 is approximately 30.4 million net tons vs. 30.8 million net tons for the same period last year, and 30.6 million tons for the third quarter of 2019.



*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 51, 2019 – Ended December 21, 2019

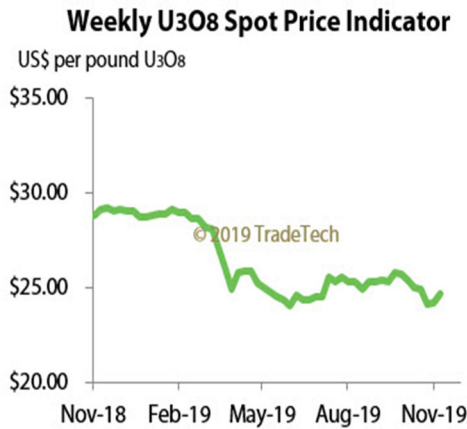
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	245,048	-11.5%	12,780,814	250,604	-4.8%
Chemicals	32,380	-7.8%	1,632,571	32,011	-0.6%
Coal	72,032	-23.2%	3,939,717	77,249	-9.2%
Farm Products excl. Grain, and Food	15,616	-4.8%	793,670	15,562	-4.1%
Forest Products	9,990	-5.1%	500,493	9,814	-4.5%
Grain	21,593	-9.2%	1,100,452	21,577	-5.6%
Metallic Ores and Metals	22,504	-7.7%	1,110,416	21,773	-6.8%
Motor Vehicles and Parts	16,784	-2.9%	823,282	16,143	-2.8%
Nonmetallic Minerals	30,144	-8.1%	1,739,081	34,100	-4.4%
Petroleum and Petroleum Products	14,119	5.3%	649,580	12,737	12.5%
Other	9,886	4.4%	491,552	9,638	-1.2%
Total Intermodal Units	262,541	-9.5%	13,550,432	265,695	-5.1%
Total Traffic	507,589	-10.5%	26,331,246	516,299	-4.9%

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.

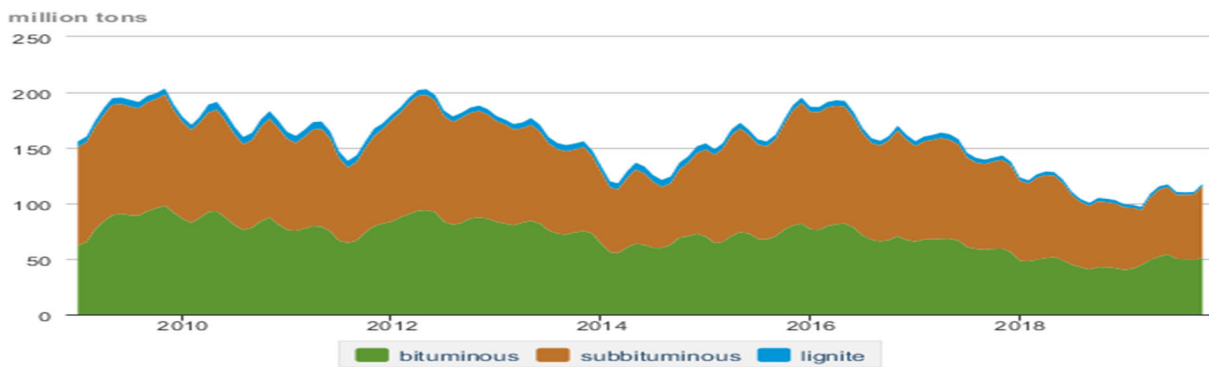
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

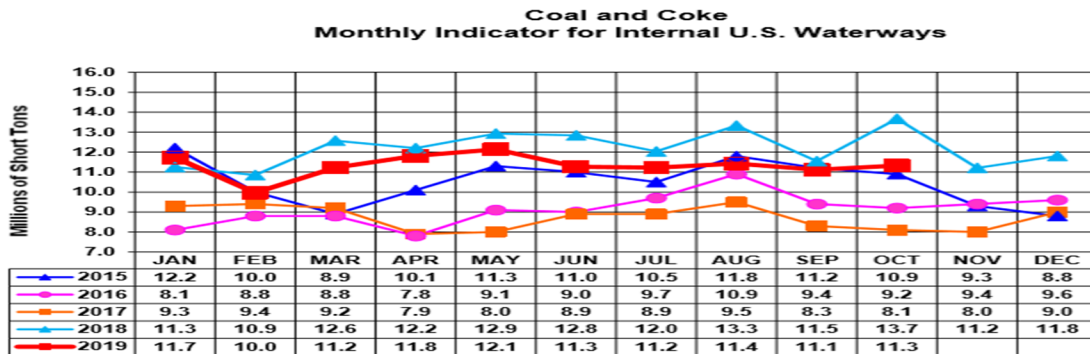
Coal stocks by type, January 2009 - October 2019



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.

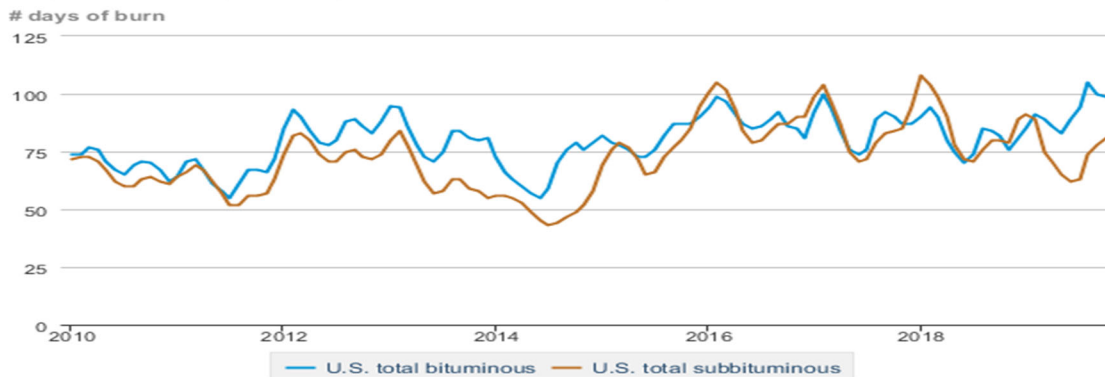
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	11/22/19	11/29/19	12/06/19	12/13/19	12/20/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$61.90	\$61.90	\$61.90	\$61.55	\$60.30	-\$1.25
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$52.40	\$52.40	\$52.40	\$51.95	\$50.75	-\$1.20
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$36.45	\$36.45	\$36.45	\$36.30	\$34.20	-\$2.10
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.80	\$11.80	\$11.80	\$11.75	\$11.80	\$0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$32.35	\$32.35	\$32.35	\$32.20	\$30.50	-\$1.70

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

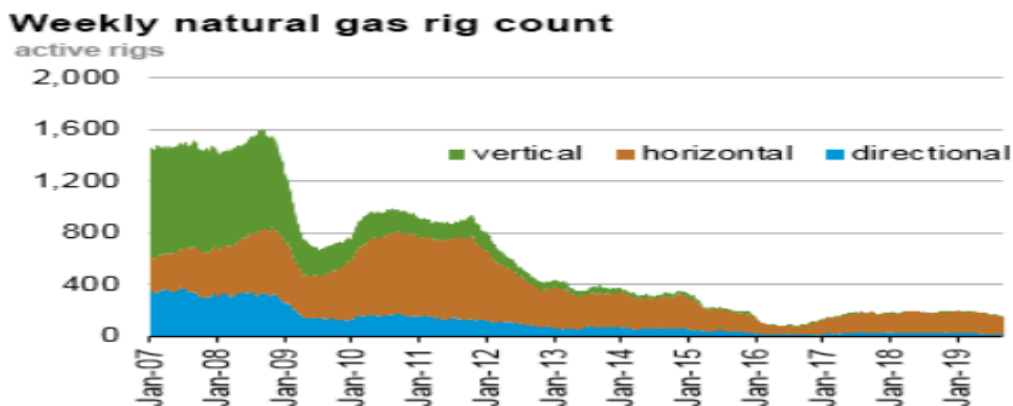
Working gas in underground storage

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



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*