

National Mining Association

Weekly Statistical Summary

December 13, 2019 Edition
(Data for Week Ending December 7, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 49
Dated 12/13/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/07/19	12/08/18	% Chng	12/07/19	12/07/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	12,741	15,149	-15.9%	664,313	707,831	-6.1%
52 Weeks Ended	710,680	752,907	-5.6%			
AAR Coal Rail Cars Loaded:	72,402	88,543	-18.2%	3,775,713	4,131,685	-8.6%
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			Jan - Oct 19/18		
			% Chng			% 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		
	12/07/19	12/08/18	% Chng	12/07/19	12/08/18	% Chng
EI Electric Total Output (Mil. Kwh)	76,146	79,147	-3.8%	3,813,642	3,884,420	-1.8%
EI Coal Region Output (Mil. Kwh)	65,218	68,043	-4.2%	3,303,683	3,361,682	-1.7%
AISI Raw Steel Output (000 Tons)	1,821	1,861	-2.1%	90,740	89,055	1.9%

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)	
	12/06/19	11/29/19	% Chng	Wed.	11/27/19
Central App, 12,500 Btu, 1.2 SO ₂	\$61.90	\$61.90	0.0%	Henry Hub	2.33
Northern App, 13,000 Btu, < 3.0 SO ₂	52.40	52.40	0.0%	New York	2.40
Illinois Basin, 11,800, 5.0 SO ₂	36.45	36.45	0.0%	Chicago	2.25
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.80	11.80	0.0%	Cal.Comp.Avg.	4.31
Uinta Basin, 11,700 Btu, 0.8 SO ₂	32.35	32.35	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



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		
	12/7/2019 (week 49)	11/30/2019 (week 48)	12/8/2018 (week 49)	12/7/2019	12/7/2018	% Change	12/7/2019	12/8/2018	% Change
Alabama	254	241	288	13,745	13,864	-0.9	14,626	14,592	0.2
Alaska	20	19	23	926	829	11.7	996	890	11.9
Arizona	.	.	127	3,843	6,146	-37.5	4,230	6,562	-35.5
Colorado	228	210	263	11,794	13,188	-10.6	12,598	14,054	-10.4
Illinois	846	805	969	44,994	46,391	-3.0	47,960	49,064	-2.3
Indiana	614	567	713	30,951	32,322	-4.2	33,134	34,119	-2.9
Kentucky Total	675	619	773	34,804	37,275	-6.6	37,169	39,592	-6.1
Eastern (KY)	253	237	323	13,413	16,050	-16.4	14,402	17,128	-15.9
Western (KY)	422	383	450	21,391	21,225	0.8	22,767	22,464	1.3
Louisiana	20	20	23	1,263	1,410	-10.4	1,334	1,522	-12.4
Maryland	28	25	28	1,370	1,210	13.3	1,455	1,303	11.7
Mississippi	44	43	53	2,564	2,772	-7.5	2,725	2,908	-6.3
Missouri	3	3	5	185	243	-23.8	200	257	-22.2
Montana	590	599	857	32,223	35,877	-10.2	34,845	38,153	-8.7
New Mexico	321	296	313	14,472	9,794	47.8	15,430	10,449	47.7
North Dakota	472	449	574	24,718	27,812	-11.1	26,474	29,556	-10.4
Ohio	147	144	193	7,688	8,377	-8.2	8,278	8,945	-7.5
Oklahoma	6	6	7	240	693	-65.3	263	726	-63.8
Pennsylvania Total	878	809	995	45,993	46,792	-1.7	49,040	49,628	-1.2
Anthracite (PA)	42	40	40	2,216	1,768	25.4	2,339	1,881	24.3
Bituminous (PA)	835	770	955	43,777	45,025	-2.8	46,700	47,747	-2.2
Tennessee	6	5	4	373	218	71.1	386	234	65.0
Texas	419	379	442	21,507	23,411	-8.1	22,860	25,665	-10.9
Utah	288	253	270	13,843	12,758	8.5	14,668	13,711	7.0
Virginia	223	208	256	11,757	12,196	-3.6	12,540	12,942	-3.1
West Virginia Total	1,642	1,532	1,836	87,658	89,651	-2.2	93,279	95,285	-2.1
Northern (WV)	872	798	935	44,298	43,131	2.7	47,161	46,003	2.5
Southern (WV)	770	734	901	43,360	46,520	-6.8	46,118	49,282	-6.4
Wyoming	5,017	4,705	6,138	257,403	284,602	-9.6	276,191	302,749	-8.8
Appalachian Total	3,431	3,201	3,924	181,998	188,358	-3.4	194,007	200,058	-3.0
Interior Total	2,374	2,207	2,662	123,095	128,466	-4.2	131,242	136,725	-4.0
Western Total	6,936	6,531	8,563	359,220	391,006	-8.1	385,431	416,124	-7.4
East of Mississippi River	5,357	4,999	6,108	281,898	291,068	-3.2	300,592	308,613	-2.6
West of Mississippi River	7,384	6,940	9,041	382,415	416,763	-8.2	410,088	444,294	-7.7
Bituminous and Lignite	12,699	11,899	15,109	662,097	706,063	-6.2	708,341	751,026	-5.7
Anthracite	42	40	40	2,216	1,768	25.4	2,339	1,881	24.3
U.S. Total	12,741	11,939	15,149	664,313	707,831	-6.1	710,680	752,907	-5.6
Railroad Cars Loaded	72,402	67,858	88,543	3,775,713	4,131,685	-8.6	4,049,060	4,392,008	-7.8

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 49

OUTPUT FOR WEEK ENDED - Dec 07, 2019

Dec 11, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Dec 07, 2019** was **76,146** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **173** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended December 07		52 Weeks Ended December 07	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,443	3.0	117,089	-4.7
Mid-Atlantic	8,453	-0.6	428,141	-3.1
Central Industrial	12,905	-4.8	661,037	-3.8
West Central	6,403	-5.6	329,796	-2.6
Southeast	18,592	-5.7	1,029,997	-2.3
South Central	13,152	-4.6	768,586	0.7
Rocky Mountain	5,713	0.3	283,358	0.7
Pacific Northwest	3,494	-6.2	157,273	0.2
Pacific Southwest	4,991	-0.3	267,669	-3.5
Total United States	76,146	-3.8	4,042,946	-2.0

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Nov 16	76,452	Nov 17	77,175	-0.9	Nov 16	4,051,574	-1.6
Nov 23	71,732	Nov 24	72,136	-0.6	Nov 23	4,051,170	-1.6
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 07	3,813,642	Dec 08	3,884,420	-1.8	YEAR TO DATE, FIRST 49 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Nov 16	195	Nov 17	191	Nov 18	190
Nov 23	185	Nov 24	178	Nov 25	181
Nov 30	178	Dec 01	185	Dec 02	184
Dec 07	173	Dec 08	185	Dec 09	202

* 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		
	7-Dec 2019 GWh Output	8-Dec 2018 GWh Output	% Increase Over Corresponding Week of 2018	7-Dec 2019 GWh Output	8-Dec 2018 GWh Output	% Increase Over Corresponding Week of 2018	7-Dec 2019 GWh Output	8-Dec 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,443	2,373	2.9%	109,979	115,100	-4.4%	117,089	122,861	-4.7%
Mid-Atlantic	8,453	8,502	-0.6%	403,197	415,451	-2.9%	428,141	441,897	-3.1%
Central Industrial	12,905	13,558	-4.8%	622,742	646,284	-3.6%	661,037	686,865	-3.8%
West Central	6,403	6,783	-5.6%	310,870	318,972	-2.5%	329,796	338,645	-2.6%
Southeast	18,592	19,724	-5.7%	971,345	993,251	-2.2%	1,029,997	1,054,503	-2.3%
South Central	13,152	13,780	-4.6%	728,706	723,062	0.8%	768,586	763,538	0.7%
Rocky Mountain	5,713	5,696	0.3%	266,823	264,662	0.8%	283,358	281,306	0.7%
Pacific Northwest	3,494	3,725	-6.2%	146,840	145,511	0.9%	157,273	156,968	0.2%
Pacific Southwest	4,991	5,006	-0.3%	253,144	262,127	-3.4%	267,669	277,439	-3.5%
Total United States ^{1/}	76,146	79,147	-3.8%	3,813,646	3,884,420	-1.8%	4,042,946	4,124,022	-2.0%
Coal Regions Only ^{2/}	65,218	68,043	-4.2%	3,303,683	3,361,682	-1.7%	3,500,915	3,566,754	-1.8%

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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December 9, 2019

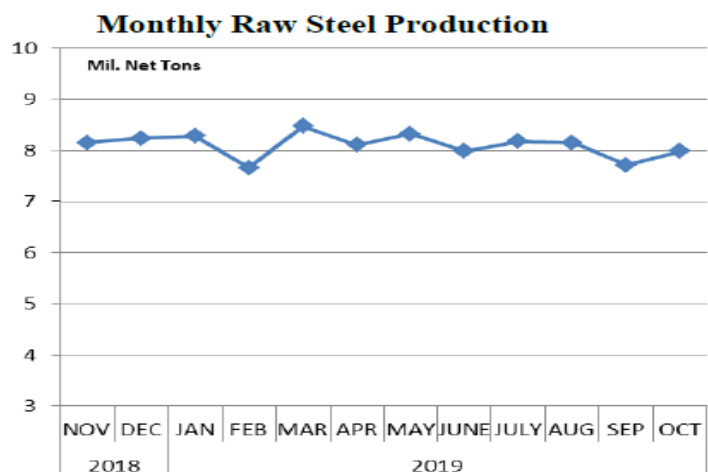
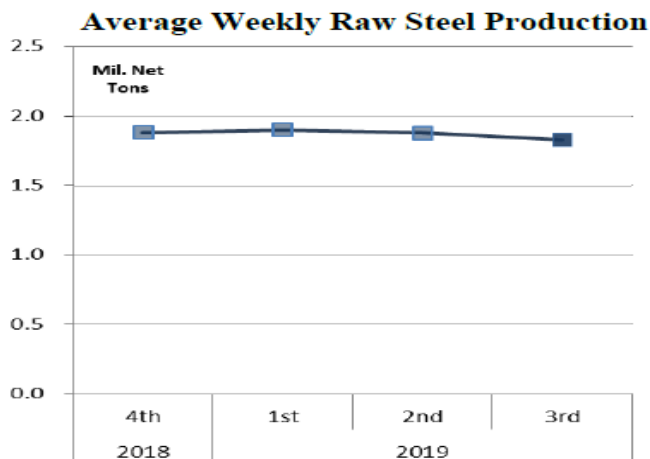
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Week Ending</u>				<u>Dec 7</u>	<u>Nov 30</u>	
December 7, 2019	1,821	-0.8	78.7	North East	225	215
December 7, 2018	1,861	-2.1	79.4	Great Lakes	653	635
November 30, 2019	1,835	-1.4	79.3	Midwest	193	203
				Southern	666	699
				Western	84	83
				Total	1,821	1,835

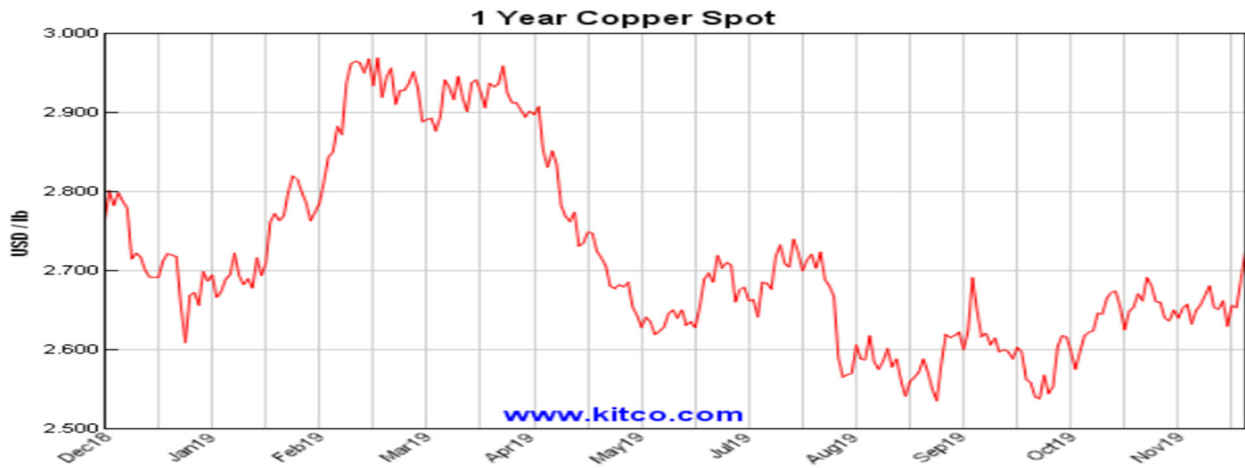
<u>Year-to-Date +</u>			
December 7, 2019	90,740	1.9	80.1
December 7, 2018	89,055	-	78.2

*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 49, 2019 – Ended December 7, 2019

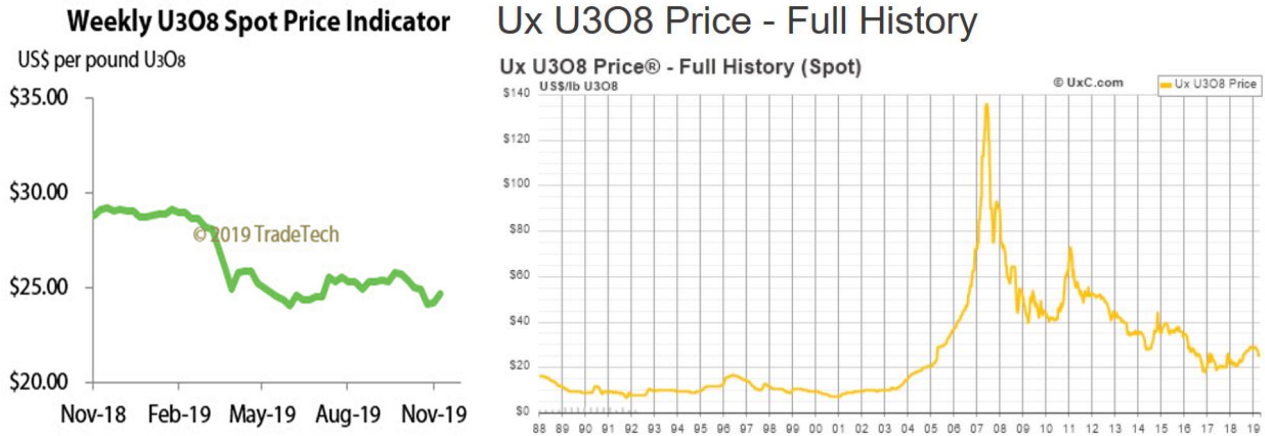
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	248,174	-7.2%	12,292,476	250,867	-4.6%
Chemicals	32,247	-1.6%	1,569,283	32,026	-0.4%
Coal	72,402	-18.5%	3,795,365	77,456	-8.6%
Farm Products excl. Grain, and Food	16,124	-1.6%	762,600	15,563	-4.1%
Forest Products	9,880	-0.8%	480,819	9,813	-4.5%
Grain	23,262	0.8%	1,058,150	21,595	-5.4%
Metallic Ores and Metals	20,220	-10.2%	1,065,279	21,740	-6.8%
Motor Vehicles and Parts	17,175	-3.8%	788,437	16,091	-2.9%
Nonmetallic Minerals	32,014	0.6%	1,679,494	34,275	-4.4%
Petroleum and Petroleum Products	13,595	2.3%	621,818	12,690	13.0%
Other	11,255	3.5%	471,231	9,617	-1.4%
Total Intermodal Units	268,956	-11.3%	13,010,592	265,522	-4.9%
Total Traffic	517,130	-9.4%	25,303,068	516,389	-4.8%

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.

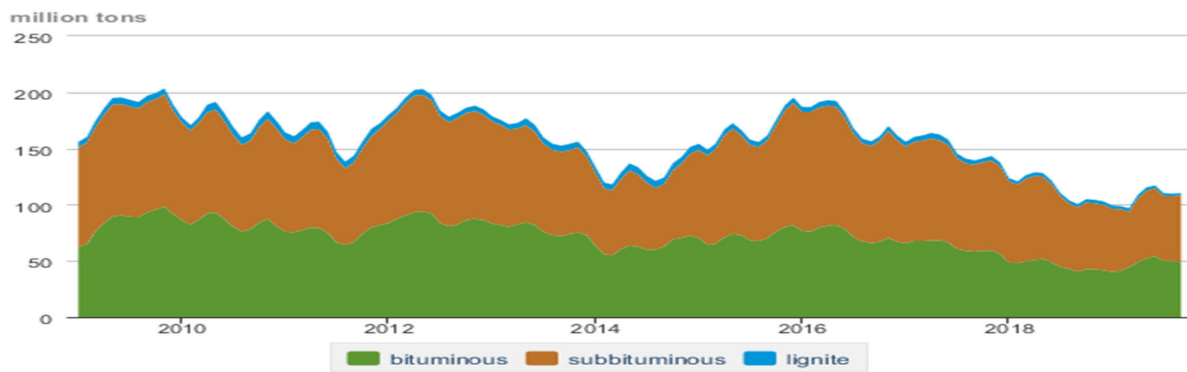
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

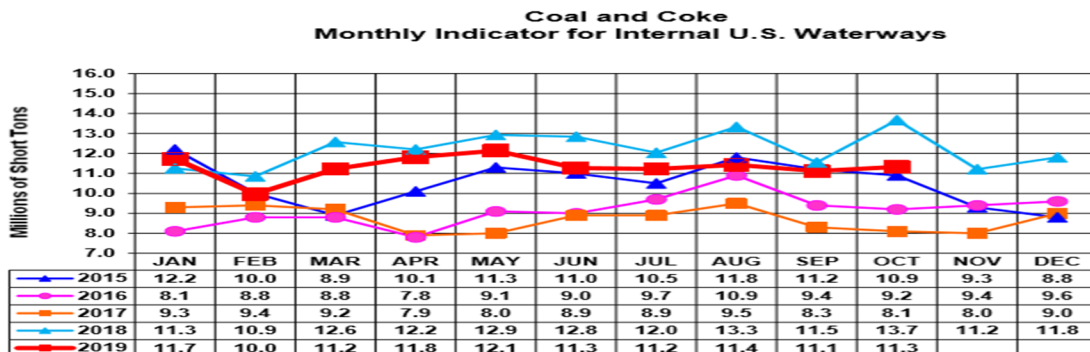
Coal stocks by type, January 2009 - September 2019



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.

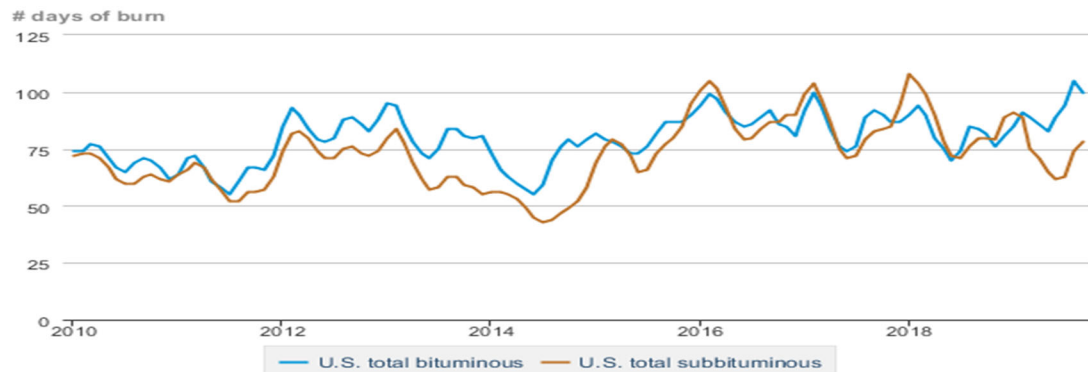
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	11/08/19	11/15/19	11/22/19	11/29/19	12/06/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$65.40	\$65.40	\$61.90	\$61.90	\$61.90	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$57.90	\$57.90	\$52.40	\$52.40	\$52.40	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$38.95	\$38.95	\$36.45	\$36.45	\$36.45	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.15	\$12.15	\$11.80	\$11.80	\$11.80	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$34.10	\$34.10	\$32.35	\$32.35	\$32.35	\$0.00

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Nov 28)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	167	-19	-65	0	0	0
Middle Atlantic	158	-19	-63	0	0	0
E N Central	181	-22	-38	0	0	0
W N Central	207	-22	-27	0	0	0
South Atlantic	107	-14	-51	8	-2	0
E S Central	103	-22	-53	0	-1	0
W S Central	71	-19	-20	6	2	3
Mountain	207	10	32	0	0	0
Pacific	115	14	37	0	-1	0
United States	148	-12	-24	2	0	0

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

Source: National Oceanic and Atmospheric Administration

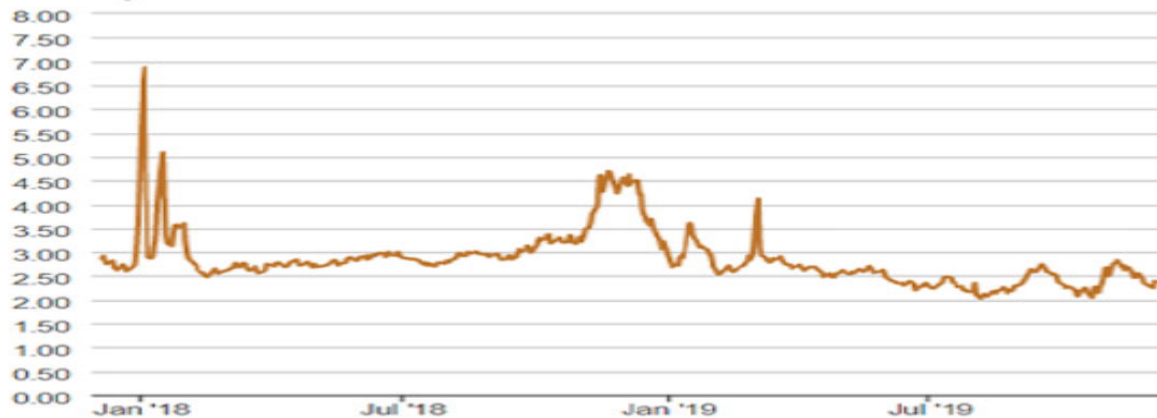
Source: Energy Information Administration, *Natural Gas Weekly Update*.

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	September 2019		September 2018		% Change of Stocks	August 2019		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,897	191	2,829	84	37.8%	3,831	189	1.7%
	Subbituminous	162	159	163	139	-0.7%	162	181	0.0%
South	Bituminous	21,291	104	18,000	86	18.3%	22,765	112	-6.5%
	Subbituminous	4,676	61	4,669	59	0.2%	4,455	54	5.0%
Midwest	Bituminous	10,286	86	8,876	78	15.9%	10,180	87	1.0%
	Subbituminous	22,172	92	26,427	88	-16.1%	21,385	87	3.7%
West	Bituminous	3,408	73	4,301	92	-20.7%	3,888	84	-12.3%
	Subbituminous	20,078	72	20,238	77	-0.8%	20,266	68	-0.9%
U.S. Total	Bituminous	38,881	100	34,006	84	14.3%	40,664	105	-4.4%
	Subbituminous	47,088	78	51,497	80	-8.6%	46,268	74	1.8%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

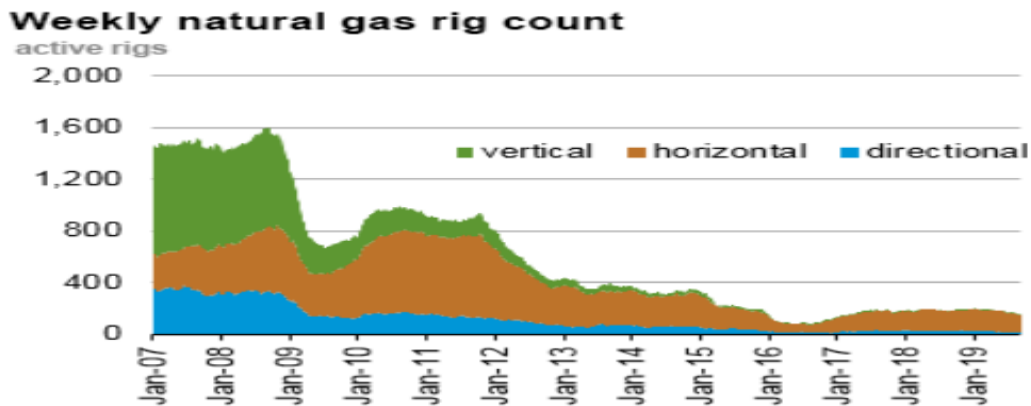
EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2019-11-29	2019-11-22	change
East	891	894	-3
Midwest	1,040	1,052	-12
Mountain	200	204	-4
Pacific	286	293	-7
South Central	1,174	1,166	8
Total	3,591	3,610	-19

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		
	November 2019	December 2019	change	November 2019	December 2019	change
Anadarko	587	606	19	4,041	4,140	99
Appalachia	159	162	3	18,389	18,431	42
Bakken	1,522	1,542	20	2,297	2,353	56
Eagle Ford	1,420	1,434	14	4,915	4,924	9
Haynesville	27	27	-	10,281	10,323	42
Niobrara	1,247	1,255	8	4,215	4,229	14
Permian	793	793	-	1,518	1,518	-
Rig-weighted average	814	824	10	4,256	4,156	(100)

Source: Energy Information Administration, *Drilling Productivity Report*