

National Mining Association

Weekly Statistical Summary

November 29, 2019 Edition
(Data for Week Ending November 23, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 47
Dated 11/29/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/23/19	11/24/18	% Chng	11/23/19	11/23/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,195	14,050	-6.1%	637,219	677,767	-6.0%
52 Weeks Ended	713,793	754,219	-5.4%			
AAR Coal Rail Cars Loaded:	75,859	82,121	-7.6%	3,635,451	3,955,969	-8.1%
Coal Production Month Ended - Oct	October 19/18		% Chng	Jan - Oct 19/18		% Chng
	57,143	66,532	-14.1%	594,797	629,836	-5.6%
DOC Coal Trade (000 Tons)						
Exports:	September 19/18			Jan - Sep 19/18		
			% Chng			% Chng
Metallurgical	4,794	4,085	17.4%	42,476	46,341	-8.3%
Steam Bit. *	2,891	5,383	-46.3%	29,712	40,628	-26.9%
Lignite	9	7	28.6%	69	65	6.2%
Anthracite	36	11	227.3%	232	167	38.9%
Total	7,730	9,486	-18.5%	72,489	87,201	-16.9%
Imports:	651	263	147.5%	4,974	4,352	14.3%
	Week Ended			Cumulative Week 1 to		
	11/23/19	11/24/18	% Chng	11/23/19	11/24/18	% Chng
EI Electric Total Output (Mil. Kwh)	71,732	72,136	-0.6%	3,666,681	3,729,235	-1.7%
EI Coal Region Output (Mil. Kwh)	61,540	61,941	-0.6%	3,178,152	3,227,966	-1.5%
AISI Raw Steel Output (000 Tons)	1,861	1,903	-2.2%	87,198	85,290	2.2%

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)	
	11/22/19	11/15/19	% Chng	Wed.	11/20/19
Central App, 12,500 Btu, 1.2 SO ₂	\$61.90	\$65.40	-5.4%	Henry Hub	2.47
Northern App, 13,000 Btu, < 3.0 SO ₂	52.40	57.90	-9.5%	New York	2.43
Illinois Basin, 11,800, 5.0 SO ₂	36.45	38.95	-6.4%	Chicago	2.44
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.80	12.15	-2.9%	Cal.Comp.Avg.	3.16
Uinta Basin, 11,700 Btu, 0.8 SO ₂	32.35	34.10	-5.1%		

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



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		
	11/23/2019 (week 47)	11/16/2019 (week 46)	11/24/2018 (week 47)	11/23/2019	11/23/2018	% Change	11/23/2019	11/24/2018	% Change
Alabama	284	259	267	13,513	13,293	1.7	14,968	14,523	3.1
Alaska	21	19	21	864	783	10.4	980	887	10.5
Arizona	111	105	117	5,698	5,895	-3.3	6,338	6,602	-4.0
Colorado	223	220	244	11,360	12,666	-10.3	12,687	14,139	-10.3
Illinois	931	846	898	43,775	44,468	-1.6	48,671	48,994	-0.7
Indiana	654	631	662	30,807	30,906	-0.3	34,414	33,942	1.4
Kentucky Total	682	668	717	33,868	35,741	-5.2	37,774	39,672	-4.8
Eastern (KY)	262	250	300	13,294	15,409	-13.7	14,928	17,241	-13.4
Western (KY)	420	418	417	20,574	20,332	1.2	22,847	22,431	1.9
Louisiana	19	17	21	1,172	1,364	-14.1	1,289	1,555	-17.1
Maryland	25	25	26	1,209	1,155	4.6	1,348	1,314	2.6
Mississippi	49	46	49	2,582	2,668	-3.2	2,848	2,898	-1.7
Missouri	4	4	5	187	232	-19.7	213	256	-16.8
Montana	679	574	795	29,389	34,177	-14.0	33,719	38,028	-11.3
New Mexico	333	315	290	13,773	9,173	50.2	15,355	10,274	49.5
North Dakota	505	470	532	23,913	26,674	-10.4	26,813	29,631	-9.5
Ohio	169	152	179	7,659	7,994	-4.2	8,635	8,956	-3.6
Oklahoma	6	6	7	332	678	-51.0	369	735	-49.8
Pennsylvania Total	893	861	923	44,760	44,817	-0.1	49,791	49,623	0.3
Anthracite (PA)	42	39	37	2,004	1,688	18.7	2,208	1,880	17.4
Bituminous (PA)	851	823	886	42,756	43,129	-0.9	47,584	47,742	-0.3
Tennessee	5	5	4	268	209	27.9	290	237	22.4
Texas	352	357	410	19,217	22,534	-14.7	21,452	26,389	-18.7
Utah	261	271	250	13,358	12,223	9.3	14,721	13,844	6.3
Virginia	224	215	237	11,010	11,688	-5.8	12,303	12,953	-5.0
West Virginia Total	1,668	1,586	1,703	84,177	86,006	-2.1	93,460	95,569	-2.2
Northern (WV)	856	838	867	42,622	41,275	3.3	47,349	46,149	2.6
Southern (WV)	812	748	836	41,555	44,731	-7.1	46,110	49,419	-6.7
Wyoming	5,098	4,975	5,693	244,327	272,421	-10.3	275,354	303,195	-9.2
Appalachian Total	3,529	3,353	3,639	175,890	180,572	-2.6	195,722	200,416	-2.3
Interior Total	2,434	2,324	2,469	118,647	123,184	-3.7	132,102	137,202	-3.7
Western Total	7,232	6,950	7,942	342,683	374,011	-8.4	385,968	416,601	-7.4
East of Mississippi River	5,583	5,293	5,665	273,629	278,947	-1.9	304,502	308,682	-1.4
West of Mississippi River	7,612	7,333	8,385	363,591	398,820	-8.8	409,291	445,536	-8.1
Bituminous and Lignite	13,153	12,588	14,013	635,215	676,079	-6.0	711,585	752,339	-5.4
Anthracite	42	39	37	2,004	1,688	18.7	2,208	1,880	17.4
U.S. Total	13,195	12,626	14,050	637,219	677,767	-6.0	713,793	754,219	-5.4
Railroad Cars Loaded	75,859	72,611	82,121	3,635,451	3,955,969	-8.1	4,085,350	4,396,011	-7.1

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 47

OUTPUT FOR WEEK ENDED - Nov 23, 2019

Nov 27, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Nov 23, 2019** was **71,732** 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 November 23		52 Weeks Ended November 23	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,259	-4.1	117,155	-4.6
Mid-Atlantic	7,952	-3.3	428,853	-2.8
Central Industrial	12,304	0.9	663,332	-3.3
West Central	6,100	2.2	330,752	-2.1
Southeast	17,459	-4.2	1,033,733	-1.8
South Central	12,782	0.6	769,446	0.9
Rocky Mountain	4,943	6.9	282,983	0.8
Pacific Northwest	3,100	-0.7	157,168	0.1
Pacific Southwest	4,833	2.5	267,748	-3.6
Total United States	71,732	-0.6	4,051,170	-1.6

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Nov 02	70,773	Nov 03	68,752	2.9	Nov 02	4,051,842	-1.5
Nov 09	72,007	Nov 10	71,553	0.6	Nov 09	4,052,296	-1.4
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 23	3,666,681	Nov 24	3,729,235	-1.7	YEAR TO DATE, FIRST 47 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Nov 02	180	Nov 03	173	Nov 04	184
Nov 09	188	Nov 10	180	Nov 11	193
Nov 16	195	Nov 17	191	Nov 18	190
Nov 23	185	Nov 24	178	Nov 25	181

* 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		
	23-Nov	24-Nov	% Increase Over Corresponding Week of 2018	23-Nov	24-Nov	% Increase Over Corresponding Week of 2018	23-Nov	24-Nov	% Increase Over Corresponding Week of 2018
	2019	2018		2019	2018		2019	2018	
	GWh	GWh		GWh	GWh		GWh	GWh	
	Output	Output		Output	Output		Output	Output	
New England	2,259	2,356	-4.1%	105,372	110,427	-4.6%	117,155	122,823	-4.6%
Mid-Atlantic	7,952	8,225	-3.3%	387,091	398,634	-2.9%	428,853	441,123	-2.8%
Central Industrial	12,304	12,197	0.9%	598,113	619,361	-3.4%	663,332	685,781	-3.3%
West Central	6,100	5,971	2.2%	298,615	305,760	-2.3%	330,752	337,744	-2.1%
Southeast	17,459	18,222	-4.2%	935,800	953,970	-1.9%	1,033,733	1,052,614	-1.8%
South Central	12,782	12,702	0.6%	702,870	696,365	0.9%	769,446	762,812	0.9%
Rocky Mountain	4,943	4,624	6.9%	255,663	253,876	0.7%	282,983	280,837	0.8%
Pacific Northwest	3,100	3,122	-0.7%	139,816	138,593	0.9%	157,168	156,988	0.1%
Pacific Southwest	4,833	4,717	2.5%	243,345	252,249	-3.5%	267,748	277,829	-3.6%
Total United States ^{1/}	<u>71,732</u>	<u>72,136</u>	-0.6%	<u>3,666,685</u>	<u>3,729,235</u>	-1.7%	4,051,170	4,118,551	-1.6%
Coal Regions Only ^{2/}	61,540	61,941	-0.6%	3,178,152	3,227,966	-1.5%	3,509,099	3,560,911	-1.5%

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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November 25, 2019

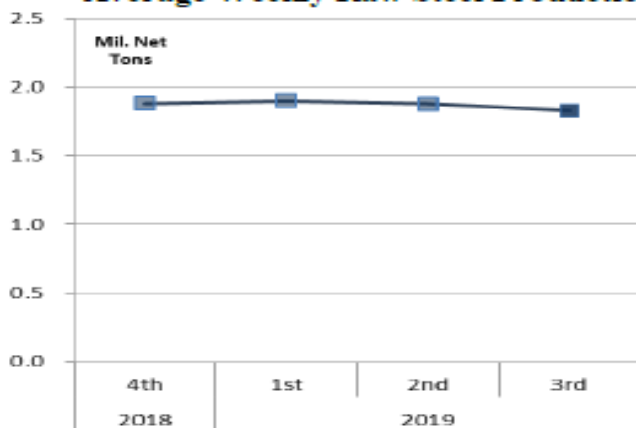
ESTIMATED WEEKLY RAW STEEL* PRODUCTION

<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 Nov 23</u>	<u>Week Ending Nov 16</u>	
<u>Week Ending</u>				North East	203	206
				Great Lakes	673	650
November 23, 2019	1,861	-0.8	80.4	Midwest	193	180
November 23, 2018	1,903	-2.2	81.2	Southern	716	763
November 16, 2019	1,876	0.8	81.1	Western	<u>76</u>	<u>77</u>
				Total	1,861	1,876
<u>Year-to-Date +</u>						
November 23, 2019	87,198	2.2	80.3			
November 23, 2018	85,290	-	78.1			

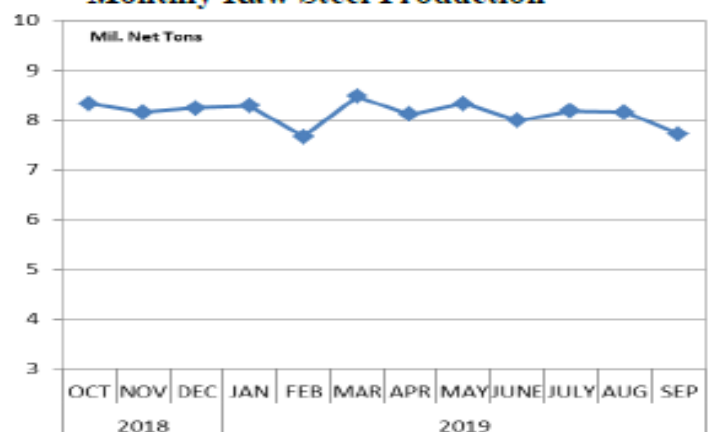
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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.

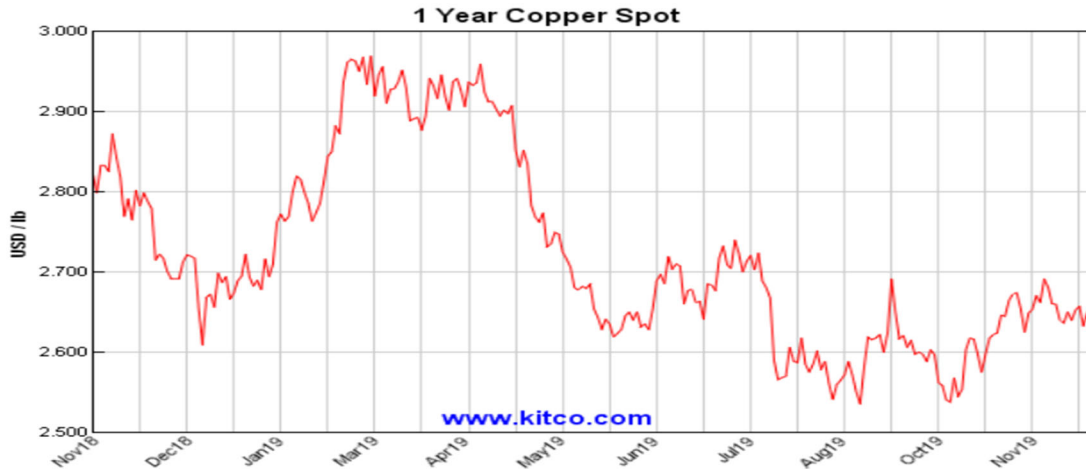
Average Weekly Raw Steel Production



Monthly Raw Steel Production



*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 47, 2019 – Ended November 23, 2019

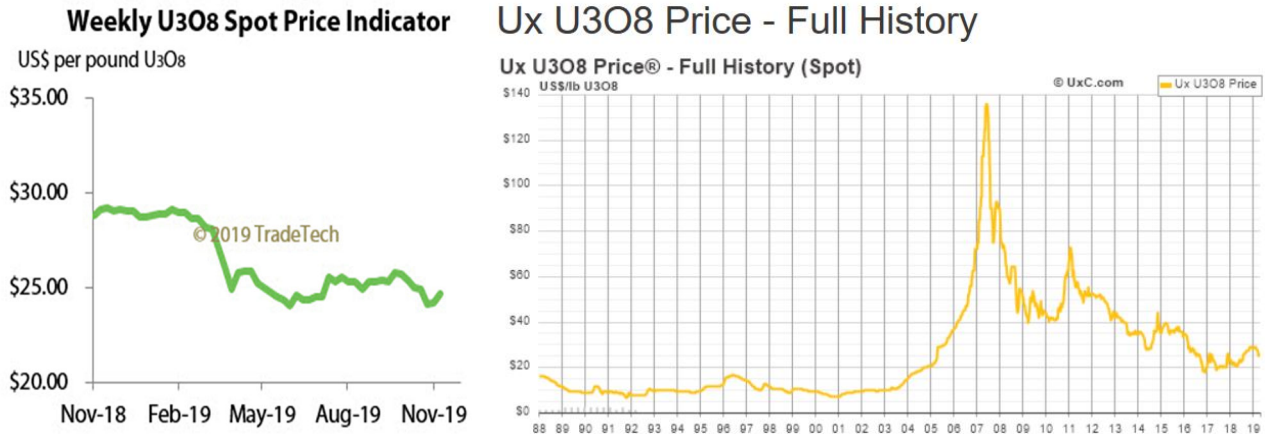
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	251,901	7.6%	11,829,176	251,685	-4.2%
Chemicals	31,834	14.3%	1,509,342	32,114	0.1%
Coal	75,859	-7.6%	3,655,105	77,768	-8.1%
Farm Products excl. Grain, and Food	15,360	9.2%	732,252	15,580	-3.9%
Forest Products	9,561	2.2%	461,911	9,828	-4.2%
Grain	22,210	10.8%	1,014,468	21,584	-5.5%
Metallic Ores and Metals	23,057	6.8%	1,025,425	21,818	-6.4%
Motor Vehicles and Parts	17,757	25.7%	758,305	16,134	-2.4%
Nonmetallic Minerals	33,069	29.7%	1,623,532	34,543	-4.0%
Petroleum and Petroleum Products	12,852	4.3%	596,243	12,686	13.9%
Other	10,342	44.4%	452,593	9,630	-0.9%
Total Intermodal Units	270,026	13.5%	12,519,862	266,380	-4.3%
Total Traffic	521,927	10.6%	24,349,038	518,065	-4.2%

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.

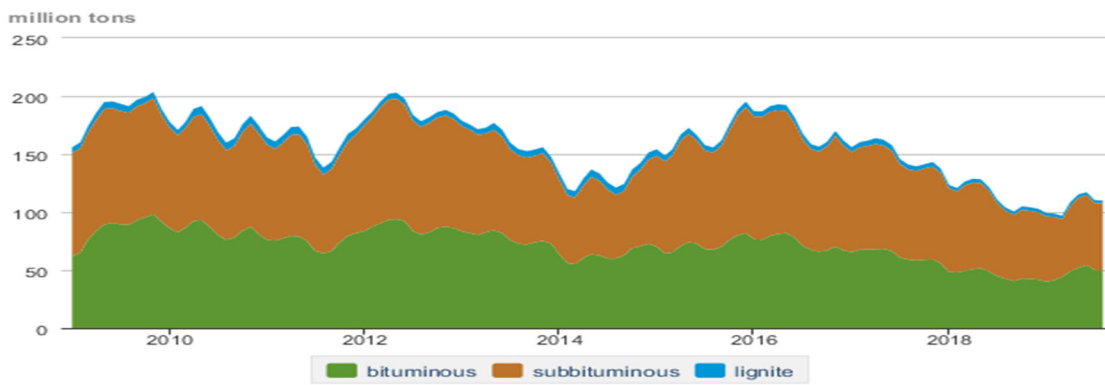
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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 - August 2019

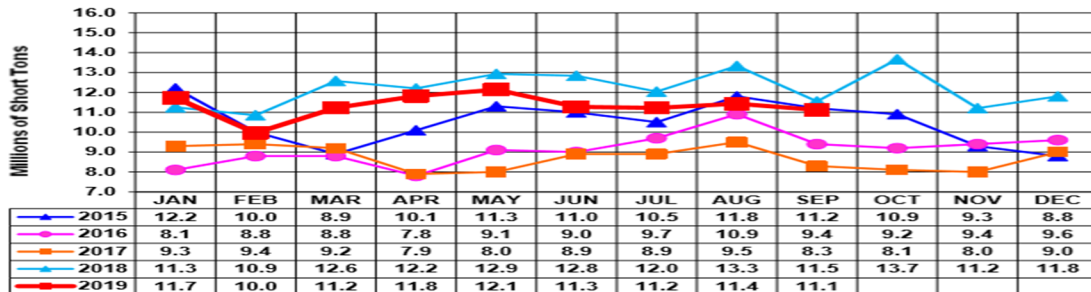


Source: U.S. Energy Information Administration

Source: Energy Information Administration, Electric Monthly Update

Source: Energy Information Administration, Electric Monthly Update

Coal and Coke Monthly Indicator for Internal U.S. Waterways



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.

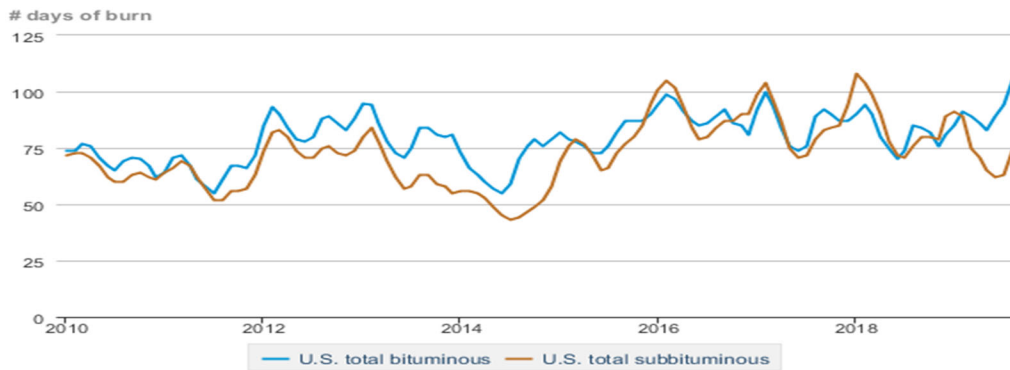
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	10/25/19	11/01/19	11/08/19	11/15/19	11/22/19	change
Central Appalachia <i>12,500 Btu, 1.2 SO₂</i>	\$65.40	\$65.40	\$65.40	\$65.40	\$61.90	\$-3.50
Northern Appalachia <i>13,000 Btu, < 3.0 SO₂</i>	\$57.90	\$57.90	\$57.90	\$57.90	\$52.40	\$-5.50
Illinois Basin <i>11,800 Btu, 5.0 SO₂</i>	\$38.95	\$38.95	\$38.95	\$38.95	\$36.45	\$-2.50
Powder River Basin <i>8,800 Btu, 0.8 SO₂</i>	\$12.15	\$12.15	\$12.15	\$12.15	\$11.80	\$-0.35
Uinta Basin <i>11,700 Btu, 0.8 SO₂</i>	\$34.10	\$34.10	\$34.10	\$34.10	\$32.35	\$-1.75

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Nov 14)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	220	67	41	0	0	0
Middle Atlantic	211	67	29	0	0	0
E N Central	261	97	20	0	0	0
W N Central	262	81	-17	0	0	0
South Atlantic	148	54	25	13	-1	-11
E S Central	173	77	21	0	-2	0
W S Central	128	65	-3	1	-7	-1
Mountain	135	-27	-62	6	5	5
Pacific	33	-46	-35	0	-1	0
United States	175	48	1	3	-1	-2

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

Source: National Oceanic and Atmospheric Administration

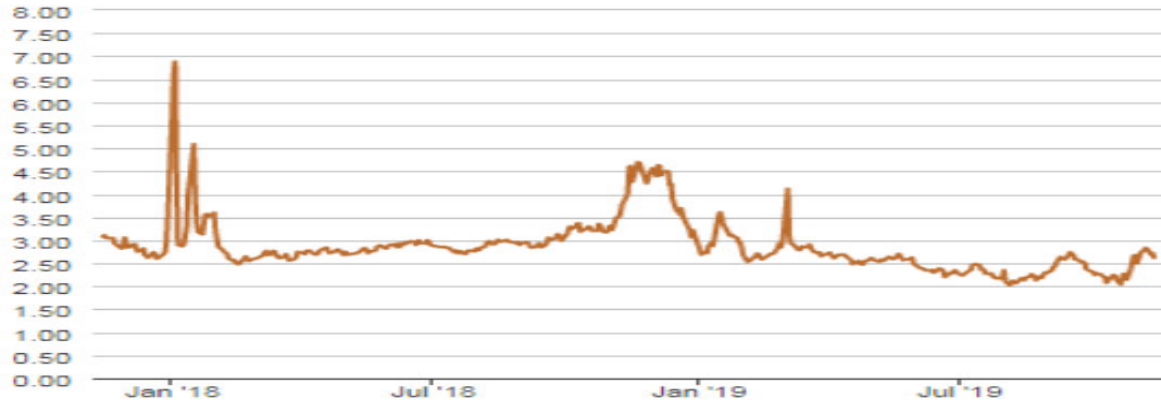
Source: Energy Information Administration, *Natural Gas Weekly Update*.

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	August 2019		August 2018		% Change of Stocks	July 2019		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,831	189	2,706	84	41.6%	3,762	181	1.8%
	Subbituminous	162	181	168	168	-4.0%	163	206	-1.1%
South	Bituminous	22,765	112	18,970	83	20.0%	22,398	95	1.6%
	Subbituminous	4,455	54	4,739	54	-6.0%	4,194	42	6.2%
Midwest	Bituminous	10,180	87	9,657	82	5.4%	10,054	79	1.3%
	Subbituminous	21,385	87	27,153	86	-21.2%	21,373	76	0.1%
West	Bituminous	3,888	84	4,794	100	-18.9%	3,875	79	0.3%
	Subbituminous	20,266	68	20,746	70	-2.3%	20,283	59	-0.1%
U.S. Total	Bituminous	40,664	105	36,127	85	12.6%	40,089	94	1.4%
	Subbituminous	46,268	74	52,807	76	-12.4%	46,014	63	0.6%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

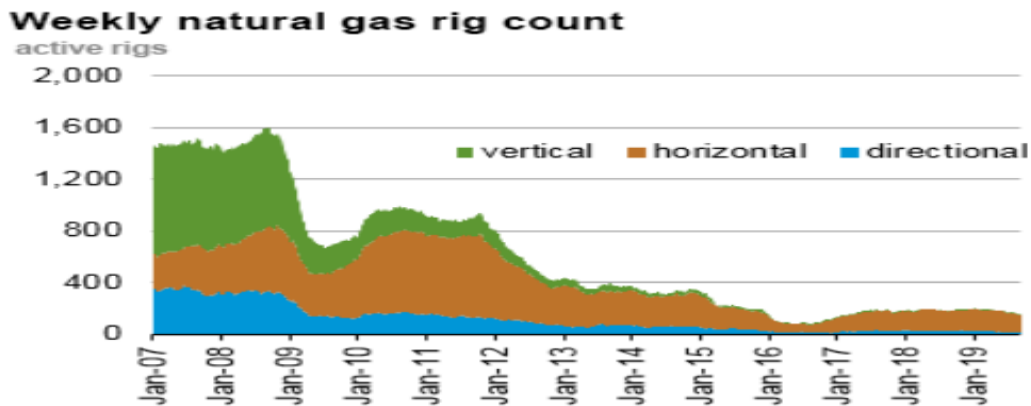
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-11-08	2019-11-01	change
East	932	932	0
Midwest	1,106	1,109	-3
Mountain	207	207	0
Pacific	290	292	-2
South Central	1,197	1,189	8
Total	3,732	3,729	3

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