

National Mining Association

Weekly Statistical Summary

December 6, 2019 Edition
(Data for Week Ending November 30, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 48
Dated 12/06/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/30/19	12/01/18	% Chng	11/30/19	11/30/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,806	15,058	-21.6%	649,025	692,694	-6.3%
52 Weeks Ended	710,541	753,435	-5.7%			
AAR Coal Rail Cars Loaded:	67,858	88,009	-22.9%	3,703,309	4,043,213	-8.4%
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		
	11/30/19	12/01/18	% Chng	11/30/19	12/01/18	% Chng
EI Electric Total Output (Mil. Kwh)	70,815	76,038	-6.9%	3,737,496	3,805,273	-1.8%
EI Coal Region Output (Mil. Kwh)	60,313	65,673	-8.2%	3,238,465	3,293,639	-1.7%
AISI Raw Steel Output (000 Tons)	1,835	1,903	-3.6%	88,919	87,193	2.0%

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)	
	11/29/19	11/22/19	% Chng	Wed.	11/20/19
Central App, 12,500 Btu, 1.2 SO ₂	\$61.90	\$61.90	0.0%	Henry Hub	2.47
Northern App, 13,000 Btu, < 3.0 SO ₂	52.40	52.40	0.0%	New York	2.43
Illinois Basin, 11,800, 5.0 SO ₂	36.45	36.45	0.0%	Chicago	2.44
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.80	11.80	0.0%	Cal.Comp.Avg.	3.16
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		
	11/30/2019 (week 48)	11/23/2019 (week 47)	12/1/2018 (week 48)	11/30/2019	11/30/2018	% Change	11/30/2019	12/1/2018	% Change
Alabama	245	284	286	13,758	13,577	1.3	14,927	14,556	2.5
Alaska	18	21	23	882	806	9.5	975	889	9.7
Arizona	99	111	126	5,797	6,020	-3.7	6,312	6,581	-4.1
Colorado	202	223	261	11,561	12,925	-10.6	12,628	14,094	-10.4
Illinois	803	931	963	44,577	45,423	-1.9	48,511	49,021	-1.0
Indiana	581	654	709	31,388	31,609	-0.7	34,285	34,025	0.8
Kentucky Total	611	682	768	34,479	36,502	-5.5	37,617	39,626	-5.1
Eastern (KY)	234	262	321	13,528	15,727	-14.0	14,840	17,182	-13.6
Western (KY)	377	420	447	20,952	20,775	0.8	22,777	22,444	1.5
Louisiana	18	19	23	1,190	1,387	-14.2	1,283	1,538	-16.6
Maryland	22	25	27	1,231	1,182	4.1	1,343	1,308	2.7
Mississippi	45	49	52	2,627	2,720	-3.4	2,840	2,903	-2.2
Missouri	3	4	5	190	237	-19.9	211	256	-17.6
Montana	582	679	852	29,971	35,021	-14.4	33,450	38,084	-12.2
New Mexico	290	333	311	14,063	9,481	48.3	15,334	10,360	48.0
North Dakota	446	505	570	24,359	27,239	-10.6	26,689	29,589	-9.8
Ohio	148	169	192	7,807	8,184	-4.6	8,591	8,949	-4.0
Oklahoma	6	6	7	338	686	-50.7	368	731	-49.7
Pennsylvania Total	792	893	989	45,552	45,798	-0.5	49,594	49,617	s
Anthracite (PA)	36	42	40	2,040	1,727	18.1	2,204	1,880	17.2
Bituminous (PA)	756	851	949	43,512	44,070	-1.3	47,390	47,737	-0.7
Tennessee	4	5	4	272	214	27.4	290	236	22.9
Texas	323	352	440	19,540	22,970	-14.9	21,336	26,021	-18.0
Utah	238	261	268	13,597	12,489	8.9	14,692	13,775	6.7
Virginia	200	224	254	11,210	11,940	-6.1	12,249	12,945	-5.4
West Virginia Total	1,476	1,668	1,825	85,653	87,816	-2.5	93,110	95,411	-2.4
Northern (WV)	765	856	930	43,387	42,196	2.8	47,184	46,068	2.4
Southern (WV)	711	812	896	42,266	45,619	-7.4	45,926	49,343	-6.9
Wyoming	4,654	5,098	6,101	248,981	278,469	-10.6	273,906	302,921	-9.6
Appalachian Total	3,121	3,529	3,900	179,011	184,438	-2.9	194,944	200,204	-2.6
Interior Total	2,156	2,434	2,646	120,803	125,806	-4.0	131,612	136,940	-3.9
Western Total	6,529	7,232	8,512	349,211	382,449	-8.7	383,985	416,291	-7.8
East of Mississippi River	4,927	5,583	6,071	278,556	284,965	-2.2	303,358	308,597	-1.7
West of Mississippi River	6,879	7,612	8,987	370,470	407,729	-9.1	407,183	444,838	-8.5
Bituminous and Lignite	11,770	13,153	15,018	646,985	690,966	-6.4	708,338	751,555	-5.8
Anthracite	36	42	40	2,040	1,727	18.1	2,204	1,880	17.2
U.S. Total	11,806	13,195	15,058	649,025	692,694	-6.3	710,541	753,435	-5.7
Railroad Cars Loaded	67,858	75,859	88,009	3,703,309	4,043,213	-8.4	4,065,199	4,393,273	-7.5

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 48

OUTPUT FOR WEEK ENDED - Nov 30, 2019

Dec 04, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Nov 30, 2019** was **70,815** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **178** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended November 30		52 Weeks Ended November 30	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,164	-6.0	117,018	-4.7
Mid-Atlantic	7,653	-8.0	428,190	-3.0
Central Industrial	11,724	-12.3	661,691	-3.6
West Central	5,852	-9.0	330,175	-2.4
Southeast	16,953	-13.3	1,031,129	-2.2
South Central	12,684	-1.8	769,214	0.7
Rocky Mountain	5,447	7.0	283,341	0.8
Pacific Northwest	3,530	10.5	157,505	0.4
Pacific Southwest	4,808	-1.3	267,684	-3.6
Total United States	70,815	-6.9	4,045,947	-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 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 30	70,815	Dec 01	76,038	-6.9	Nov 30	4,045,947	-1.9
Nov 30	3,737,496	Dec 01	3,805,273	-1.8	YEAR TO DATE, FIRST 48 WEEKS		

WEEKLY ELECTRIC OUTPUT INDEX--TOTAL U.S.*
SEASONALLY ADJUSTED 1982 = 100

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

* 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		
	30-Nov 2019 GWh Output	1-Dec 2018 GWh Output	% Increase Over Corresponding Week of 2018	30-Nov 2019 GWh Output	1-Dec 2018 GWh Output	% Increase Over Corresponding Week of 2018	30-Nov 2019 GWh Output	1-Dec 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,164	2,300	-5.9%	107,536	112,727	-4.6%	117,018	122,836	-4.7%
Mid-Atlantic	7,653	8,315	-8.0%	394,744	406,949	-3.0%	428,190	441,586	-3.0%
Central Industrial	11,724	13,365	-12.3%	609,837	632,726	-3.6%	661,691	686,597	-3.6%
West Central	5,852	6,429	-9.0%	304,467	312,189	-2.5%	330,175	338,314	-2.4%
Southeast	16,953	19,557	-13.3%	952,753	973,527	-2.1%	1,031,129	1,054,012	-2.2%
South Central	12,684	12,917	-1.8%	715,554	709,282	0.9%	769,214	763,595	0.7%
Rocky Mountain	5,447	5,090	7.0%	261,110	258,966	0.8%	283,341	281,096	0.8%
Pacific Northwest	3,530	3,193	10.6%	143,346	141,786	1.1%	157,505	156,900	0.4%
Pacific Southwest	4,808	4,872	-1.3%	248,153	257,121	-3.5%	267,684	277,606	-3.6%
Total United States ^{1/}	<u>70,815</u>	<u>76,038</u>	-6.9%	<u>3,737,500</u>	<u>3,805,273</u>	-1.8%	4,045,947	4,122,542	-1.9%
Coal Regions Only ^{2/}	60,313	65,673	-8.2%	3,238,465	3,293,639	-1.7%	3,503,740	3,565,200	-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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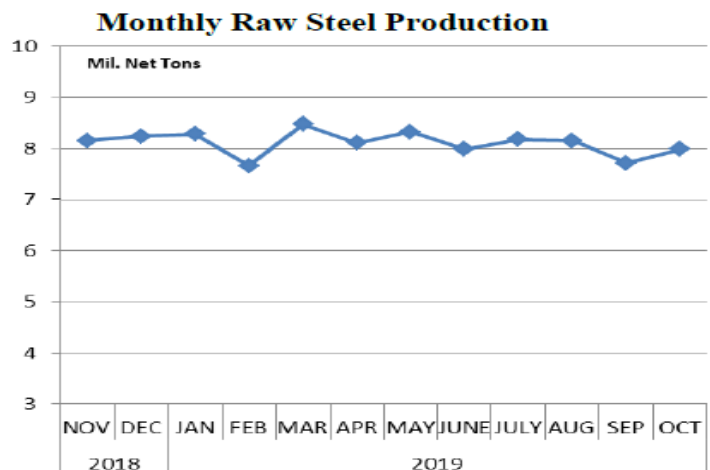
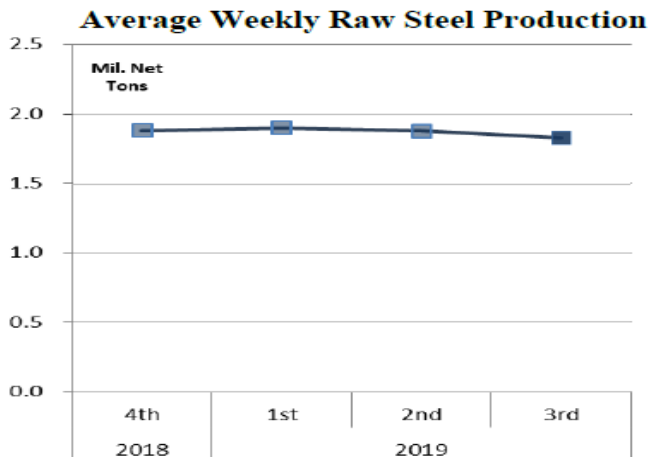
December 2, 2019

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

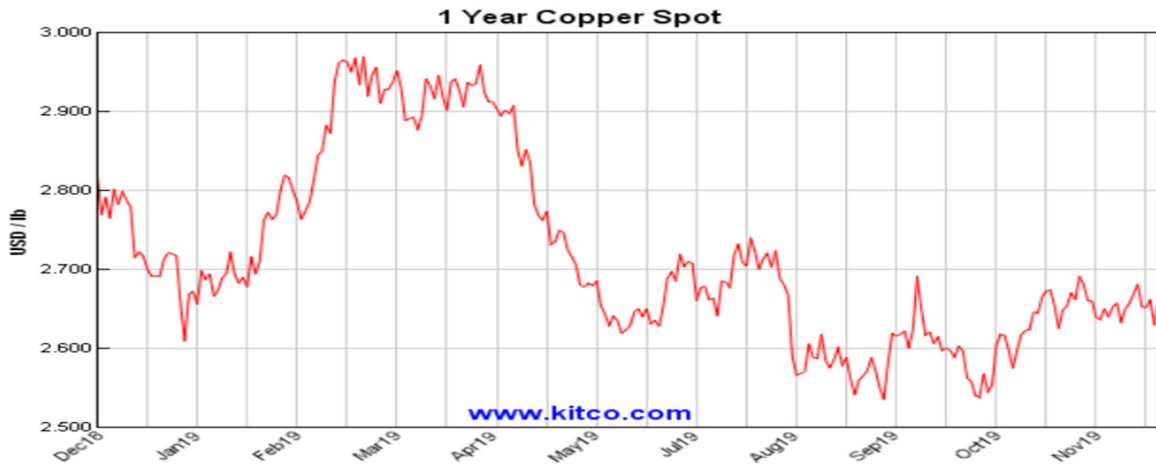
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending Nov 30</u>	<u>Week Ending Nov 23</u>	
<u>Week Ending</u>				North East	215	203
				Great Lakes	635	673
November 30, 2019	1,835	-1.4	79.3	Midwest	203	193
November 30, 2018	1,903	-3.6	81.2	Southern	699	716
November 23, 2019	1,861	0.8	80.4	Western	83	76
				Total	1,835	1,861
<u>Year-to-Date +</u>						
November 30, 2019	88,919	2.0	80.2			
November 30, 2018	87,193	-	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.



*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 48, 2019 – Ended November 30, 2019

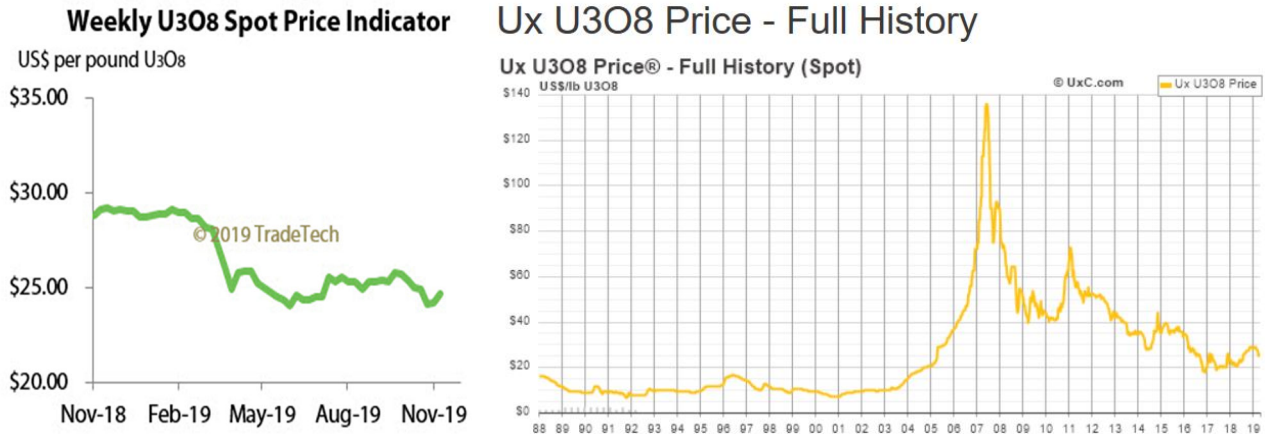
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	215,126	-21.3%	12,044,302	250,923	-4.6%
Chemicals	27,694	-20.8%	1,537,036	32,022	-0.4%
Coal	67,858	-22.8%	3,722,963	77,562	-8.4%
Farm Products excl. Grain, and Food	14,224	-14.5%	746,476	15,552	-4.1%
Forest Products	9,028	-19.1%	470,939	9,811	-4.6%
Grain	20,420	-9.0%	1,034,888	21,560	-5.6%
Metallic Ores and Metals	19,634	-22.1%	1,045,059	21,772	-6.8%
Motor Vehicles and Parts	12,957	-24.5%	771,262	16,068	-2.9%
Nonmetallic Minerals	23,948	-30.1%	1,647,480	34,323	-4.5%
Petroleum and Petroleum Products	11,980	-11.8%	608,223	12,671	13.2%
Other	7,383	-27.4%	459,976	9,583	-1.5%
Total Intermodal Units	221,774	-24.5%	12,741,636	265,451	-4.7%
Total Traffic	436,900	-23.0%	24,785,938	516,374	-4.7%

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.

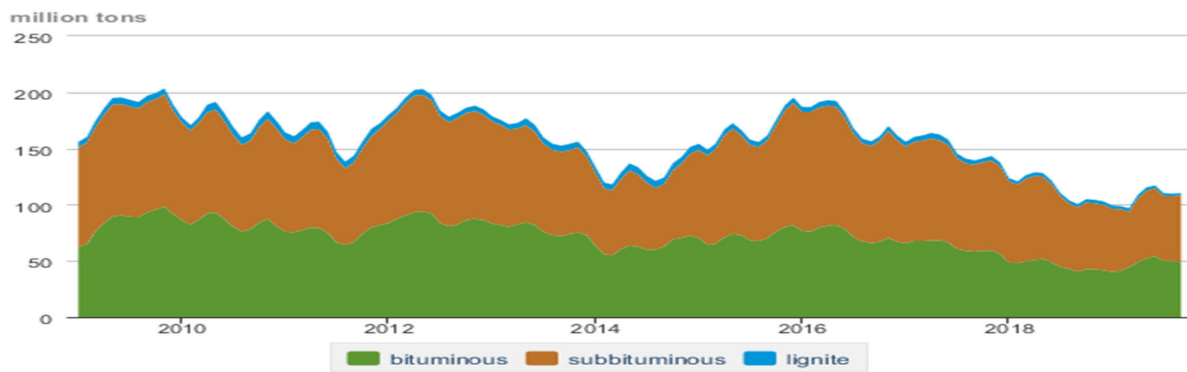
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

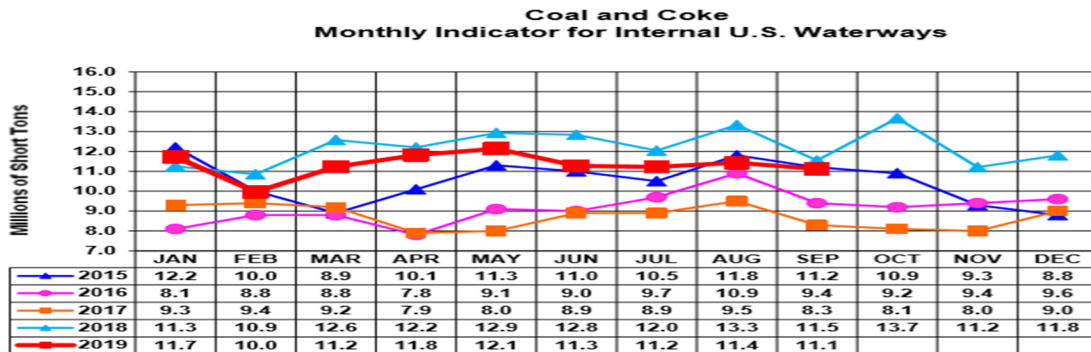
Coal stocks by type, January 2009 - September 2019



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.

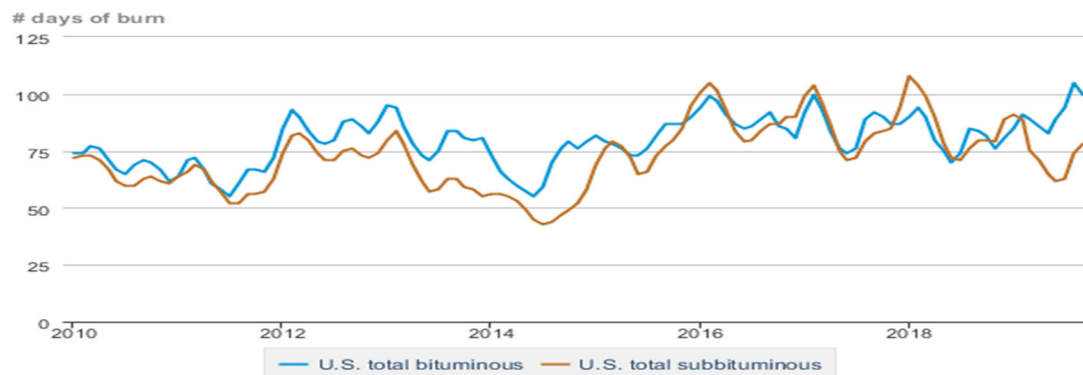
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	11/01/19	11/08/19	11/15/19	11/22/19	11/29/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$65.40	\$65.40	\$65.40	\$61.90	\$61.90	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$57.90	\$57.90	\$57.90	\$52.40	\$52.40	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$38.95	\$38.95	\$38.95	\$36.45	\$36.45	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.15	\$12.15	\$12.15	\$11.80	\$11.80	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$34.10	\$34.10	\$34.10	\$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 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	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

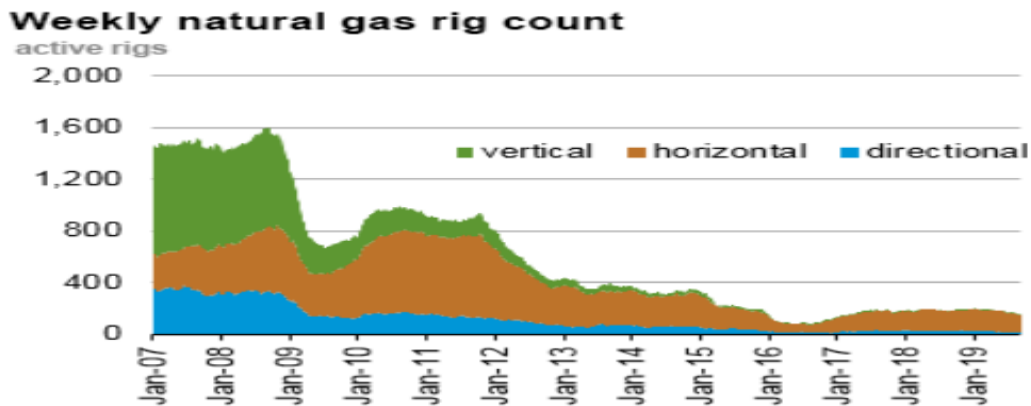
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-11-15	2019-11-08	change
East	909	932	-23
Midwest	1,069	1,106	-37
Mountain	205	207	-2
Pacific	292	290	2
South Central	1,164	1,197	-33
Total	3,638	3,732	-94

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*