

National Mining Association

Weekly Statistical Summary

November 8, 2019 Edition
(Data for Week Ending November 2, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 44
Dated 11/08/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/02/19	11/03/18	% Chng	11/02/19	11/02/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	12,619	15,124	-16.6%	598,331	634,373	-5.7%
52 Weeks Ended	718,158	755,112	-4.9%			
AAR Coal Rail Cars Loaded:	72,645	88,399	-17.8%	3,411,801	3,702,343	-7.8%
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%
EI Electric Total Output (Mil. Kwh)						
	Week Ended			Cumulative Week 1 to		
	11/02/19	11/03/18	% Chng	11/02/19	11/03/18	% Chng
EI Coal Region Output (Mil. Kwh)	70,773	68,752	2.9%	3,446,490	3,508,372	-1.8%
EI Non-Coal Region Output (Mil. Kwh)	61,118	58,869	3.8%	2,988,072	3,037,664	-1.6%
AISI Raw Steel Output (000 Tons)	1,888	1,887	0.1%	81,599	79,581	2.5%

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)	
	11/01/19	10/25/19	% Chng	Wed.	10/30/19
Central App, 12,500 Btu, 1.2 SO ₂	\$65.40	\$65.40	0.0%	Henry Hub	2.67
Northern App, 13,000 Btu, < 3.0 SO ₂	57.90	57.90	0.0%	New York	1.87
Illinois Basin, 11,800, 5.0 SO ₂	38.95	38.95	0.0%	Chicago	2.69
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.15	12.15	0.0%	Cal.Comp.Avg.	3.45
Uinta Basin, 11,700 Btu, 0.8 SO ₂	34.10	34.10	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



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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		
	11/2/2019 (week 44)	10/26/2019 (week 43)	11/3/2018 (week 44)	11/2/2019	11/2/2018	% Change	11/2/2019	11/3/2018	% Change
Alabama	271	260	287	12,699	12,468	1.8	14,976	14,409	3.9
Alaska	20	19	23	805	718	12.1	986	882	11.8
Arizona	106	106	126	5,372	5,532	-2.9	6,373	6,650	-4.2
Colorado	213	221	262	10,694	11,914	-10.2	12,771	14,242	-10.3
Illinois	890	851	967	41,110	41,694	-1.4	48,772	48,837	-0.1
Indiana	625	634	712	28,880	28,862	0.1	34,524	33,651	2.6
Kentucky Total	652	671	771	31,843	33,528	-5.0	37,955	39,737	-4.5
Eastern (KY)	250	252	323	12,524	14,483	-13.5	15,080	17,380	-13.2
Western (KY)	402	420	449	19,319	19,044	1.4	22,875	22,357	2.3
Louisiana	18	17	23	1,117	1,299	-14.0	1,299	1,601	-18.9
Maryland	24	25	28	1,135	1,076	5.5	1,354	1,327	2.0
Mississippi	47	46	52	2,438	2,518	-3.2	2,853	2,881	-1.0
Missouri	4	4	5	175	218	-19.5	216	255	-15.3
Montana	650	578	855	27,492	31,723	-13.3	34,268	37,799	-9.3
New Mexico	318	317	312	12,804	8,276	54.7	15,279	10,010	52.6
North Dakota	483	473	573	22,443	25,030	-10.3	26,982	29,702	-9.2
Ohio	162	153	193	7,174	7,441	-3.6	8,701	8,961	-2.9
Oklahoma	6	6	7	314	657	-52.3	372	747	-50.2
Pennsylvania Total	854	866	994	42,130	41,966	0.4	50,002	49,553	0.9
Anthracite (PA)	40	39	40	1,884	1,573	19.8	2,202	1,876	17.4
Bituminous (PA)	814	827	954	40,246	40,393	-0.4	47,801	47,677	0.3
Tennessee	5	5	4	253	197	28.6	288	241	19.5
Texas	336	360	442	18,150	21,267	-14.7	21,648	27,375	-20.9
Utah	250	273	269	12,562	11,451	9.7	14,695	14,013	4.9
Virginia	215	217	255	10,349	10,956	-5.5	12,372	12,952	-4.5
West Virginia Total	1,595	1,595	1,833	79,289	80,746	-1.8	93,816	95,851	-2.1
Northern (WV)	818	843	934	40,082	38,596	3.9	47,480	46,296	2.6
Southern (WV)	777	753	900	39,207	42,150	-7.0	46,336	49,555	-6.5
Wyoming	4,875	5,004	6,128	229,103	254,838	-10.1	277,656	303,437	-8.5
Appalachian Total	3,375	3,373	3,917	165,553	169,333	-2.2	196,588	200,673	-2.0
Interior Total	2,328	2,337	2,658	111,503	115,558	-3.5	132,559	137,704	-3.7
Western Total	6,916	6,991	8,549	321,275	349,482	-8.1	389,011	416,735	-6.7
East of Mississippi River	5,339	5,324	6,098	257,300	261,451	-1.6	305,613	308,398	-0.9
West of Mississippi River	7,280	7,377	9,026	341,031	372,923	-8.6	412,545	446,714	-7.6
Bituminous and Lignite	12,579	12,662	15,084	596,447	632,801	-5.7	715,956	753,236	-4.9
Anthracite	40	39	40	1,884	1,573	19.8	2,202	1,876	17.4
U.S. Total	12,619	12,701	15,124	598,331	634,373	-5.7	718,158	755,112	-4.9
Railroad Cars Loaded	72,645	73,184	88,399	3,411,801	3,702,343	-7.8	4,114,512	4,396,102	-6.4

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 44

OUTPUT FOR WEEK ENDED - Nov 02, 2019

Nov 06, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Nov 02, 2019** was **70,773** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **180** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended November 02		52 Weeks Ended November 02	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,003	-4.6	117,283	-4.4
Mid-Atlantic	7,094	-3.3	429,165	-2.6
Central Industrial	11,450	-0.2	663,472	-3.1
West Central	6,008	3.0	330,574	-1.9
Southeast	18,091	6.7	1,034,795	-1.5
South Central	12,956	4.5	768,981	1.1
Rocky Mountain	5,517	12.9	282,332	0.7
Pacific Northwest	3,034	9.5	157,380	0.3
Pacific Southwest	4,620	-7.8	267,860	-3.7
Total United States	70,773	2.9	4,051,842	-1.5

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2019	Week Ended	2018	% Inc. (19/18)	52 Weeks Ended	2019	% Inc. (19/18)
Oct 12	70,459	Oct 13	74,100	-4.9	Oct 12	4,051,849	-1.5
Oct 19	67,907	Oct 20	69,464	-2.2	Oct 19	4,050,292	-1.5
Oct 26	68,164	Oct 27	68,635	-0.7	Oct 26	4,049,821	-1.6
Nov 02	70,773	Nov 03	68,752	2.9	Nov 02	4,051,842	-1.5
Nov 02	3,446,490	Nov 03	3,508,372	-1.8	YEAR TO DATE, FIRST 44 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Oct 12	174	Oct 13	183	Oct 14	191
Oct 19	170	Oct 20	172	Oct 21	179
Oct 26	173	Oct 27	173	Oct 28	179
Nov 02	180	Nov 03	173	Nov 04	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		
	2-Nov 2019 GWh Output	3-Nov 2018 GWh Output	% Increase Over Corresponding Week of 2018	2-Nov 2019 GWh Output	3-Nov 2018 GWh Output	% Increase Over Corresponding Week of 2018	2-Nov 2019 GWh Output	3-Nov 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,003	2,099	-4.6%	98,732	103,660	-4.8%	117,283	122,701	-4.4%
Mid-Atlantic	7,094	7,338	-3.3%	363,408	374,639	-3.0%	429,165	440,403	-2.6%
Central Industrial	11,450	11,468	-0.2%	560,985	582,093	-3.6%	663,472	685,023	-3.1%
West Central	6,008	5,833	3.0%	279,897	287,219	-2.5%	330,574	337,135	-1.9%
Southeast	18,091	16,949	6.7%	880,663	897,770	-1.9%	1,034,795	1,050,963	-1.5%
South Central	12,958	12,394	4.6%	663,087	657,048	0.9%	768,981	760,656	1.1%
Rocky Mountain	5,517	4,887	12.9%	240,032	238,895	0.5%	282,332	280,330	0.7%
Pacific Northwest	3,034	2,772	9.5%	130,785	129,349	1.1%	157,380	156,896	0.3%
Pacific Southwest	4,620	5,012	-7.8%	228,905	237,698	-3.7%	267,860	278,175	-3.7%
Total United States ^{1/}	<u>70,775</u>	<u>68,752</u>	2.9%	<u>3,446,494</u>	<u>3,508,371</u>	-1.8%	4,051,842	4,112,282	-1.5%
Coal Regions Only ^{2/}	61,118	58,869	3.8%	2,988,072	3,037,664	-1.6%	3,509,319	3,554,510	-1.3%

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*.

AMERICAN IRON AND STEEL INSTITUTE
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November 4, 2019

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

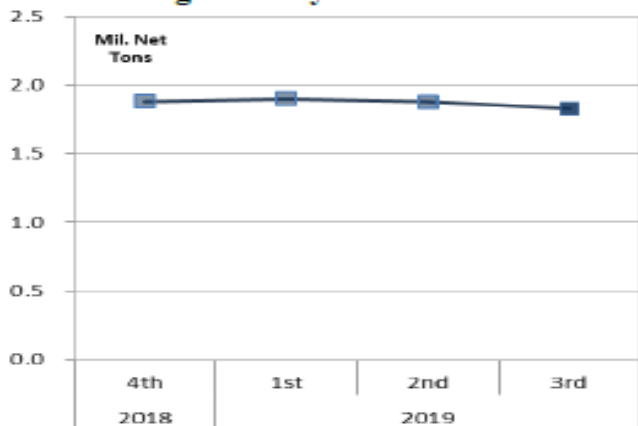
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
<u>Week Ending</u>				<u>Nov 2</u>	<u>Oct 26</u>	
November 2, 2019	1,888	1.2	81.6	North East	190	212
November 2, 2018	1,887	0.1	80.5	Great Lakes	676	702
October 26, 2019	1,866	1.4	80.7	Midwest	181	174
				Southern	767	702
				Western	74	76
				Total	1,888	1,866

<u>Year-to-Date +</u>					
November 2, 2019	81,599	2.5	80.3		
November 2, 2018	79,581	-	77.5		

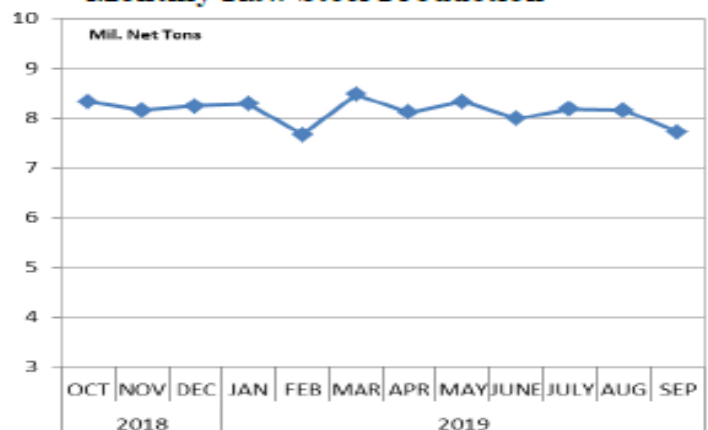
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 second quarter of 2019.

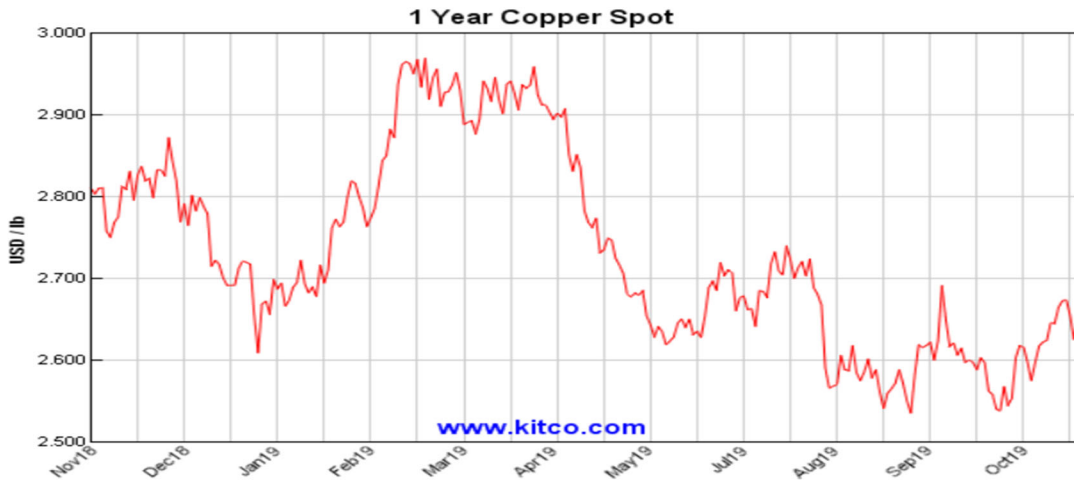
Average Weekly Raw Steel Production



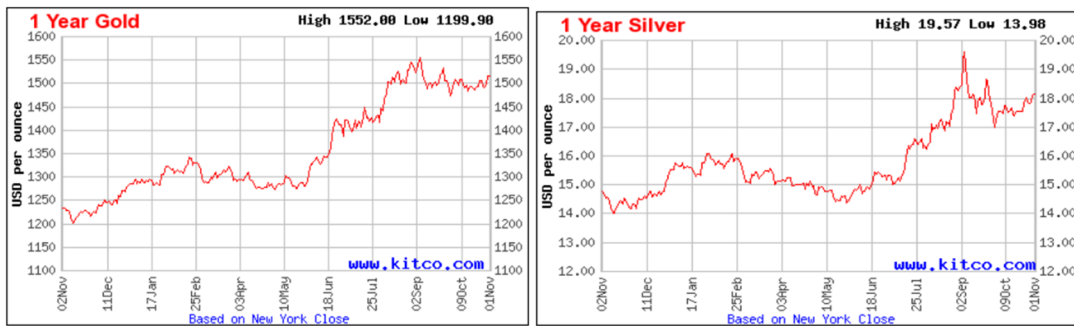
Monthly Raw Steel Production



*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 44, 2019 – Ended November 2, 2019

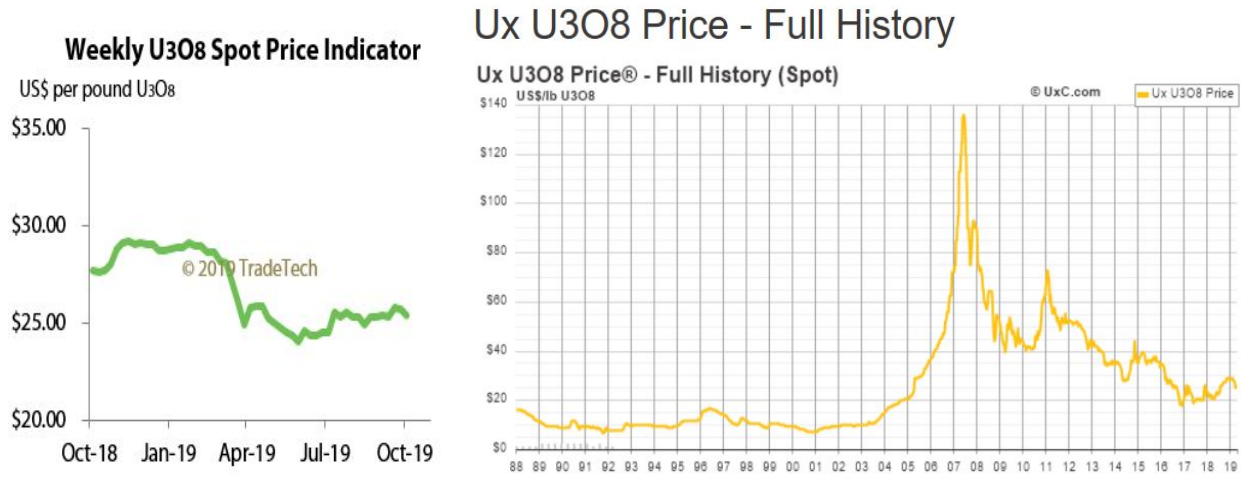
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	245,319	-8.9%	11,088,723	252,016	-4.3%
Chemicals	31,755	-1.5%	1,415,282	32,166	-0.1%
Coal	72,645	-17.5%	3,431,455	77,988	-7.8%
Farm Products excl. Grain, and Food	15,964	-6.8%	685,743	15,585	-4.1%
Forest Products	9,574	-7.5%	433,534	9,853	-4.4%
Grain	21,798	6.9%	948,072	21,547	-6.0%
Metallic Ores and Metals	20,347	-14.6%	960,966	21,840	-6.5%
Motor Vehicles and Parts	16,511	-1.1%	707,851	16,088	-3.0%
Nonmetallic Minerals	33,301	-8.5%	1,527,520	34,716	-4.5%
Petroleum and Petroleum Products	12,677	0.1%	556,797	12,654	14.8%
Other	10,747	-7.9%	421,503	9,580	-1.5%
Total Intermodal Units	264,693	-8.6%	11,721,870	266,406	-4.5%
Total Traffic	510,012	-8.8%	22,810,593	518,423	-4.4%

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.

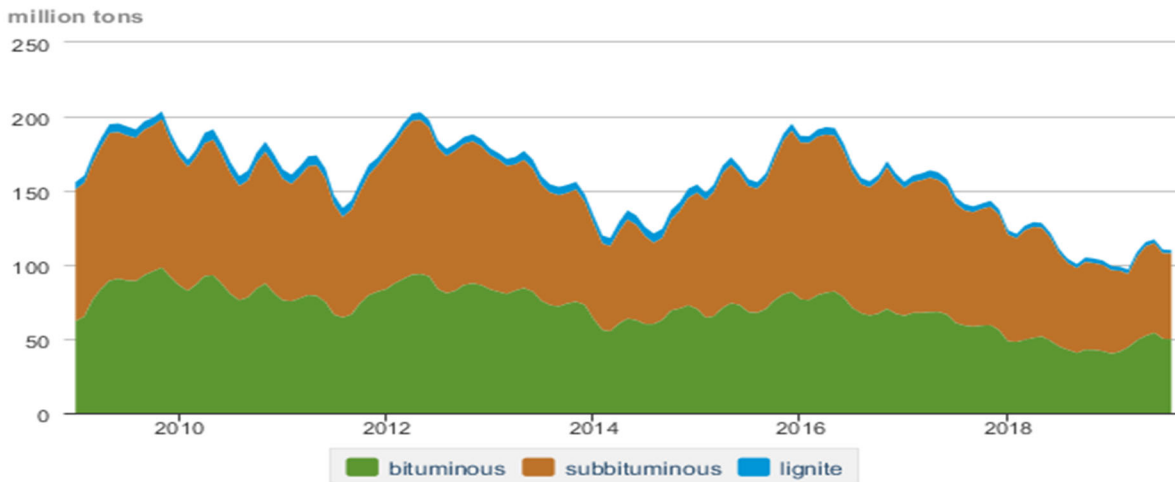
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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



eia Source: U.S. Energy Information Administration

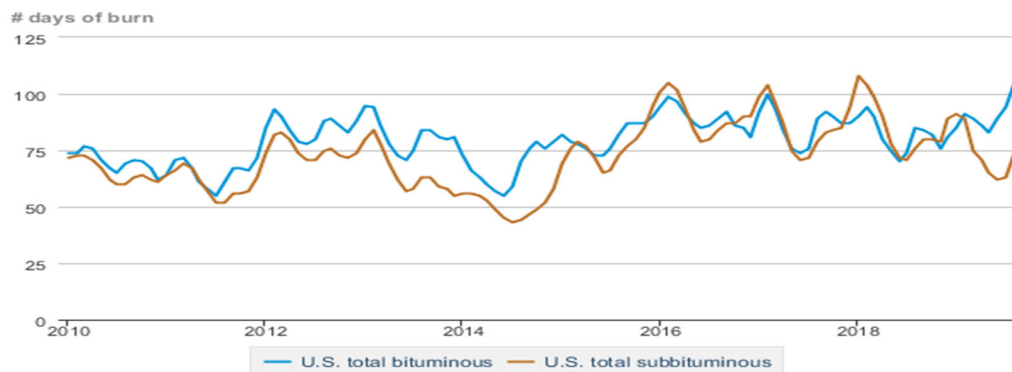
Source: Energy Information Administration

Average weekly coal commodity spot prices *dollars per short ton*

	Week ending					Week ago
	10/04/19	10/11/19	10/18/19	10/25/19	11/01/19	change
Central Appalachia <i>12,500 Btu, 1.2 SO₂</i>	\$65.55	\$65.40	\$65.40	\$65.40	\$65.40	\$0.00
Northern Appalachia <i>13,000 Btu, < 3.0 SO₂</i>	\$56.25	\$57.90	\$57.90	\$57.90	\$57.90	\$0.00
Illinois Basin <i>11,800 Btu, 5.0 SO₂</i>	\$39.00	\$38.95	\$38.95	\$38.95	\$38.95	\$0.00
Powder River Basin <i>8,800 Btu, 0.8 SO₂</i>	\$12.10	\$12.15	\$12.15	\$12.15	\$12.15	\$0.00
Uinta Basin <i>11,700 Btu, 0.8 SO₂</i>	\$34.25	\$34.10	\$34.10	\$34.10	\$34.10	\$0.00

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*

Region	Temperature – heating & cooling degree days (week ending Oct 24)					
	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	96	-17	-51	0	0	0
Middle Atlantic	88	-14	-40	0	0	0
E N Central	94	-15	-52	0	-1	0
W N Central	111	2	-11	0	-1	0
South Atlantic	54	-5	-23	31	9	4
E S Central	54	-4	-25	2	-5	1
W S Central	23	-2	-19	29	6	20
Mountain	117	13	37	8	0	-2
Pacific	23	-19	8	13	8	9
United States	71	-9	-22	12	4	4

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			July 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	3,831	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

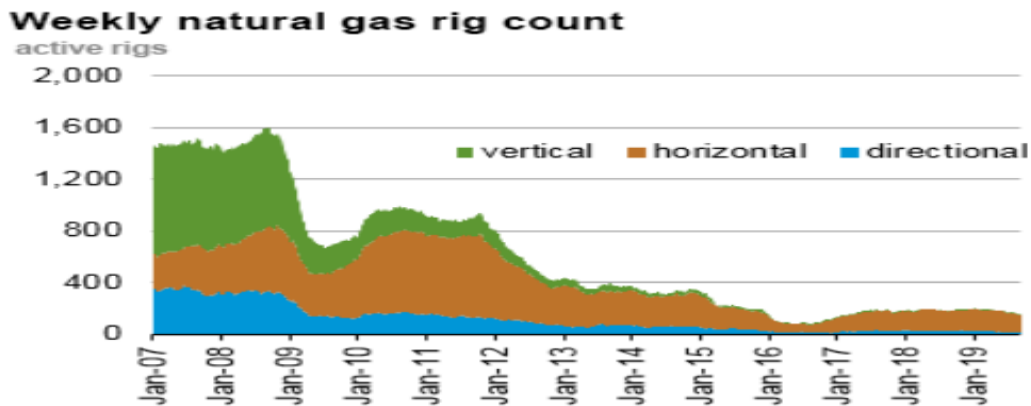
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-10-25	2019-10-18	change
East	913	898	15
Midwest	1,095	1,069	26
Mountain	211	208	3
Pacific	298	297	1
South Central	1,178	1,134	44
Total	3,695	3,606	89

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		
	October 2019	November 2019	change	October 2019	November 2019	change
Anadarko	483	492	9	3,025	3,051	26
Appalachia	150	152	2	18,440	18,493	53
Bakken	1,491	1,519	28	2,218	2,277	59
Eagle Ford	1,375	1,383	8	4,904	4,917	13
Haynesville	26	26	-	10,155	10,178	23
Niobrara	1,234	1,239	5	4,186	4,192	6
Permian	783	794	11	1,450	1,465	15
Rig-weighted average	784	802	18	4,140	4,144	4

Source: Energy Information Administration