

National Mining Association

Weekly Statistical Summary

October 18, 2019 Edition
(Data for Week Ending October 12, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 41
Dated 10/18/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/12/19	10/13/18	% Chng	10/12/19	10/13/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	12,762	14,767	-13.6%	560,000	589,542	-5.0%
52 Weeks Ended	724,705	755,053	-4.0%			
AAR Coal Rail Cars Loaded:	73,902	86,312	-14.4%	3,190,889	3,440,309	-7.2%
Coal Production Month Ended - Sep	September 19/18		% Chng	Jan - Sep 19/18		% Chng
	57,860	62,438	-7.3%	537,654	563,304	-4.6%
DOC Coal Trade (000 Tons)						
Exports:	August 19/18		% Chng	Jan - Aug 19/18		% Chng
Metallurgical	5,022	5,673	-11.5%	37,683	42,255	-10.8%
Steam Bit. *	2,677	4,363	-38.6%	26,821	35,245	-23.9%
Lignite	5	6	-16.7%	60	58	3.4%
Anthracite	5	15	-66.7%	196	156	25.6%
Total	7,709	10,057	-23.3%	64,760	77,714	-16.7%
Imports:	519	484	7.2%	4,323	4,089	5.7%
	Week Ended			Cumulative Week 1 to		
	10/12/19	10/13/18	% Chng	10/12/19	10/13/18	% Chng
EI Electric Total Output (Mil. Kwh)	70,459	74,100	-4.9%	3,239,646	3,301,522	-1.9%
EI Coal Region Output (Mil. Kwh)	60,684	64,265	-5.6%	2,810,297	2,860,300	-1.7%
AISI Raw Steel Output (000 Tons)	1,821	1,877	-3.0%	76,078	73,940	2.9%

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)	
	10/11/19	10/04/19	% Chng	Wed.	10/09/19
Central App, 12,500 Btu, 1.2 SO ₂	\$65.40	\$65.55	-0.2%	Henry Hub	2.22
Northern App, 13,000 Btu, < 3.0 SO ₂	57.90	56.25	2.9%	New York	1.57
Illinois Basin, 11,800, 5.0 SO ₂	38.95	39.00	-0.1%	Chicago	1.74
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.15	12.10	0.4%	Cal.Comp.Avg.	2.79
Uinta Basin, 11,700 Btu, 0.8 SO ₂	34.10	34.25	-0.4%		

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									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	10/12/2019 (week 41)	10/5/2019 (week 40)	10/13/2018 (week 41)	10/12/2019	10/12/2018	% Change	10/12/2019	10/13/2018	% Change
Alabama	274	268	281	11,897	11,616	2.4	15,027	14,274	5.3
Alaska	20	19	22	746	650	14.8	995	875	13.7
Arizona	107	111	123	5,050	5,158	-2.1	6,427	6,690	-3.9
Colorado	216	228	256	10,038	11,137	-9.9	12,893	14,329	-10.0
Illinois	900	877	944	38,484	38,827	-0.9	49,016	48,615	0.8
Indiana	632	651	695	26,981	26,751	0.9	34,738	33,309	4.3
Kentucky Total	659	688	753	29,846	31,241	-4.5	38,247	39,753	-3.8
Eastern (KY)	253	261	315	11,764	13,527	-13.0	15,278	17,500	-12.7
Western (KY)	406	427	438	18,081	17,714	2.1	22,970	22,253	3.2
Louisiana	18	19	22	1,062	1,231	-13.7	1,312	1,646	-20.3
Maryland	24	25	27	1,063	995	6.9	1,363	1,338	1.9
Mississippi	48	49	51	2,295	2,362	-2.8	2,866	2,860	0.2
Missouri	4	4	5	164	203	-19.0	220	254	-13.4
Montana	658	620	835	25,623	29,188	-12.2	34,937	37,512	-6.9
New Mexico	322	309	305	11,849	7,350	61.2	15,251	9,723	56.9
North Dakota	489	494	559	20,995	23,332	-10.0	27,234	29,737	-8.4
Ohio	163	160	188	6,697	6,870	-2.5	8,795	8,953	-1.8
Oklahoma	6	7	7	295	635	-53.5	375	759	-50.6
Pennsylvania Total	863	893	970	39,537	39,020	1.3	50,358	49,418	1.9
Anthracite (PA)	41	39	39	1,765	1,453	21.4	2,202	1,869	17.8
Bituminous (PA)	823	853	931	37,772	37,567	0.5	48,156	47,549	1.3
Tennessee	5	5	4	239	184	29.7	286	244	17.2
Texas	340	368	431	17,099	19,958	-14.3	21,907	28,348	-22.7
Utah	253	272	263	11,776	10,653	10.5	14,708	14,168	3.8
Virginia	217	224	249	9,697	10,199	-4.9	12,478	12,935	-3.5
West Virginia Total	1,613	1,652	1,790	74,473	75,311	-1.1	94,440	96,021	-1.6
Northern (WV)	828	862	912	37,579	35,828	4.9	47,747	46,386	2.9
Southern (WV)	786	791	879	36,894	39,483	-6.6	46,693	49,635	-5.9
Wyoming	4,930	5,212	5,983	214,095	236,673	-9.5	280,832	303,292	-7.4
Appalachian Total	3,413	3,488	3,825	155,365	157,722	-1.5	198,024	200,683	-1.3
Interior Total	2,355	2,403	2,595	104,462	107,681	-3.0	133,404	138,045	-3.4
Western Total	6,994	7,265	8,348	300,173	324,140	-7.4	393,277	416,325	-5.5
East of Mississippi River	5,400	5,492	5,954	241,207	243,375	-0.9	307,614	307,721	s
West of Mississippi River	7,362	7,663	8,813	318,793	346,167	-7.9	417,091	447,333	-6.8
Bituminous and Lignite	12,722	13,116	14,728	558,235	588,089	-5.1	722,502	753,184	-4.1
Anthracite	41	39	39	1,765	1,453	21.4	2,202	1,869	17.8
U.S. Total	12,762	13,156	14,767	560,000	589,542	-5.0	724,705	755,053	-4.0
Railroad Cars Loaded	73,902	76,970	86,312	3,190,889	3,440,309	-7.2	4,155,903	4,390,550	-5.3

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 41

OUTPUT FOR WEEK ENDED - Oct 12, 2019

Oct 16, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Oct 12, 2019** was **70,459** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **174** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended October 12		52 Weeks Ended October 12	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,020	-6.2	117,687	-4.0
Mid-Atlantic	7,200	-11.4	430,168	-2.3
Central Industrial	10,724	-12.1	664,713	-3.0
West Central	5,623	-3.6	330,717	-2.0
Southeast	17,734	-9.0	1,035,102	-1.5
South Central	14,291	4.1	766,979	0.8
Rocky Mountain	5,112	4.5	281,232	0.2
Pacific Northwest	2,807	6.5	157,062	-0.1
Pacific Southwest	4,948	-1.9	268,189	-3.9
Total United States	70,459	-4.9	4,051,849	-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)
Sep 21	80,770	Sep 22	83,579	-3.4	Sep 21	4,049,667	-1.6
Sep 28	79,349	Sep 29	75,251	5.4	Sep 28	4,053,765	-1.4
Oct 05	80,103	Oct 06	78,378	2.2	Oct 05	4,055,490	-1.4
Oct 12	70,459	Oct 13	74,100	-4.9	Oct 12	4,051,849	-1.5
Oct 12	3,239,646	Oct 13	3,301,522	-1.9	YEAR TO DATE, FIRST 41 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Sep 21	195	Sep 22	196	Sep 23	197
Sep 28	198	Sep 29	180	Sep 30	193
Oct 05	205	Oct 06	194	Oct 07	187
Oct 12	174	Oct 13	183	Oct 14	191

* 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		
	12-Oct 2019 GWh Output	13-Oct 2018 GWh Output	% Increase Over Corresponding Week of 2018	12-Oct 2019 GWh Output	13-Oct 2018 GWh Output	% Increase Over Corresponding Week of 2018	12-Oct 2019 GWh Output	13-Oct 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,020	2,154	-6.2%	92,844	97,368	-4.6%	117,687	122,569	-4.0%
Mid-Atlantic	7,200	8,122	-11.4%	342,454	352,681	-2.9%	430,168	440,135	-2.3%
Central Industrial	10,724	12,195	-12.1%	528,078	547,946	-3.6%	664,713	685,018	-3.0%
West Central	5,623	5,835	-3.6%	262,519	269,698	-2.7%	330,717	337,459	-2.0%
Southeast	17,734	19,492	-9.0%	828,810	845,611	-2.0%	1,035,102	1,050,443	-1.5%
South Central	14,291	13,731	4.1%	624,498	620,463	0.7%	766,979	761,125	0.8%
Rocky Mountain	5,112	4,890	4.5%	223,938	223,901	0.0%	281,232	280,759	0.2%
Pacific Northwest	2,807	2,637	6.4%	122,272	121,154	0.9%	157,062	157,152	-0.1%
Pacific Southwest	4,948	5,044	-1.9%	214,235	222,698	-3.8%	268,189	279,109	-3.9%
Total United States ^{1/}	<u>70,459</u>	<u>74,100</u>	-4.9%	<u>3,239,648</u>	<u>3,301,520</u>	-1.9%	4,051,849	4,113,769	-1.5%
Coal Regions Only ^{2/}	60,684	64,265	-5.6%	2,810,297	2,860,300	-1.7%	3,508,911	3,554,939	-1.3%

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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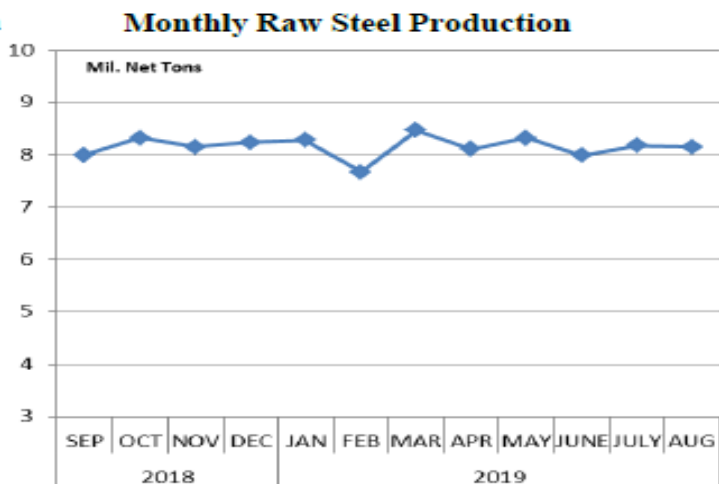
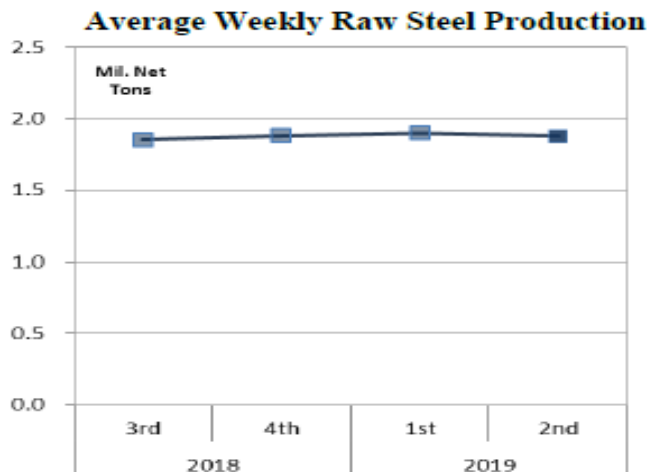
October 14, 2019

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

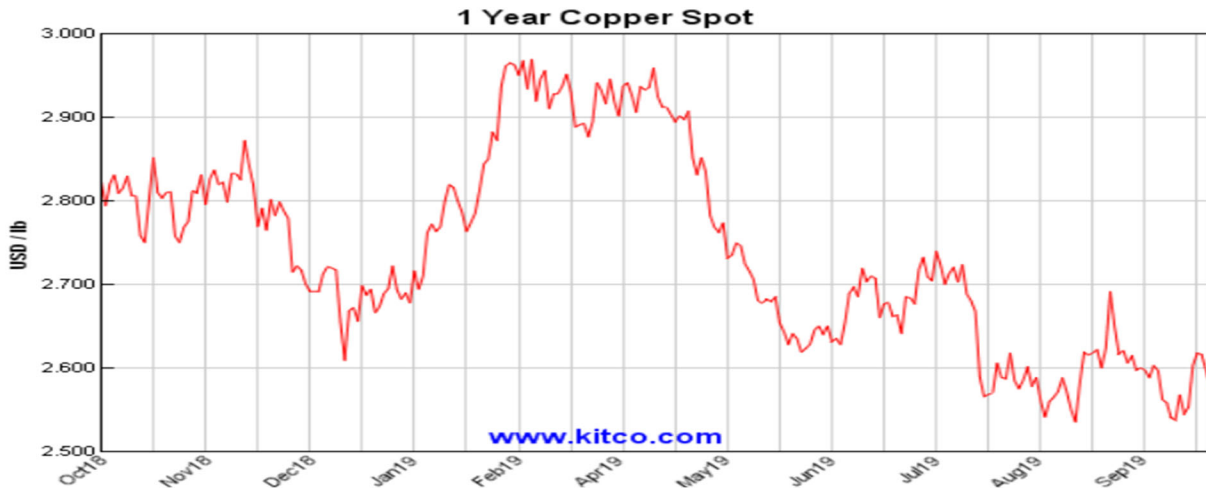
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
				<u>Oct 12</u>	<u>Oct 5</u>	
<u>Week Ending</u>				North East	200	211
				Great Lakes	685	659
October 12, 2019	1,821	0.9	78.7	Midwest	162	196
October 12, 2018	1,877	-3.0	80.1	Southern	698	663
October 5, 2019	1,804	-1.2	78.0	Western	<u>76</u>	<u>75</u>
				Total	1,821	1,804
<u>Year-to-Date +</u>						
October 12, 2019	76,078	2.9	80.3			
October 12, 2018	73,940	-	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.



*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 41, 2019 – Ended October 12, 2019

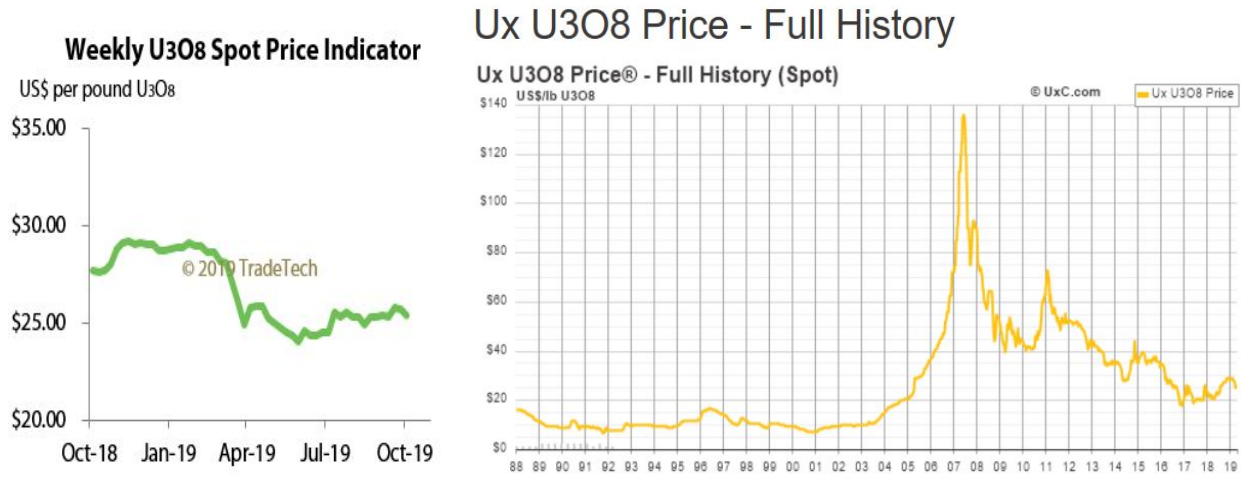
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	243,807	-7.5%	10,355,081	252,563	-4.0%
Chemicals	30,855	1.4%	1,321,689	32,236	-0.1%
Coal	73,902	-14.2%	3,210,543	78,306	-7.2%
Farm Products excl. Grain, and Food	15,862	-3.0%	637,511	15,549	-4.1%
Forest Products	9,577	-3.5%	404,937	9,877	-4.2%
Grain	20,911	-5.5%	884,519	21,574	-6.1%
Metallic Ores and Metals	19,720	-14.7%	899,622	21,942	-6.0%
Motor Vehicles and Parts	15,295	-13.1%	661,725	16,140	-2.6%
Nonmetallic Minerals	35,595	-0.3%	1,423,856	34,728	-4.5%
Petroleum and Petroleum Products	12,717	7.7%	518,409	12,644	15.9%
Other	9,373	-9.2%	392,270	9,568	-0.7%
Total Intermodal Units	267,013	-6.6%	10,924,972	266,463	-4.2%
Total Traffic	510,820	-7.0%	21,280,053	519,026	-4.1%

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.

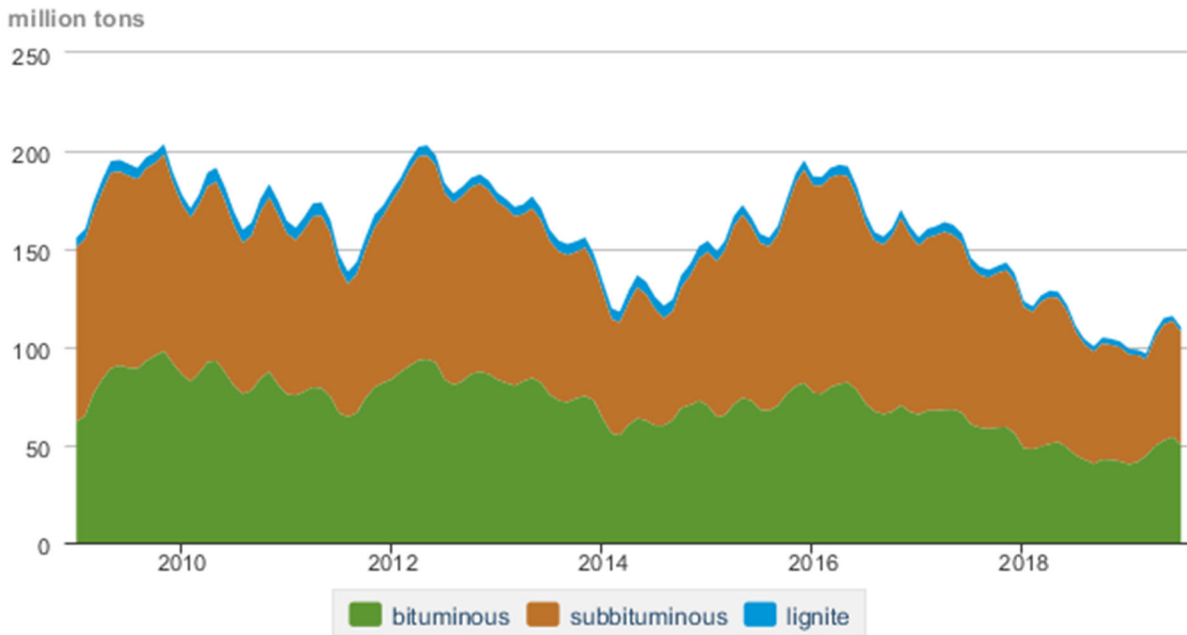
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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 - July 2019



eia Source: U.S. Energy Information Administration

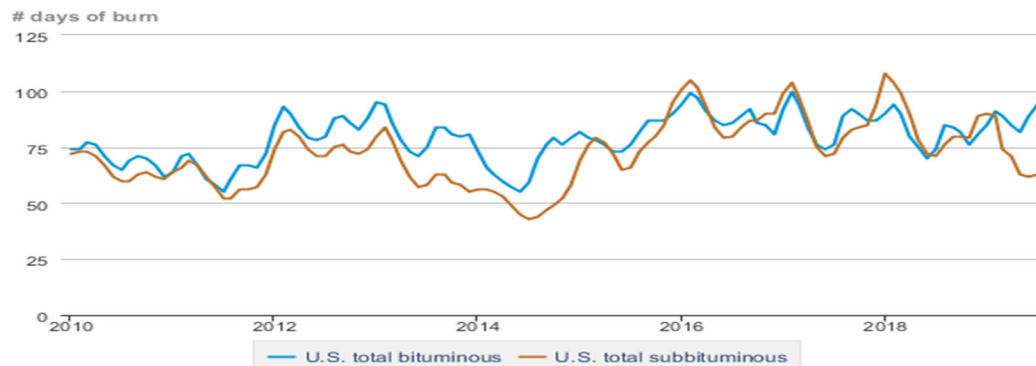
Source: Energy Information Administration

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	09/13/19	09/20/19	09/27/19	10/04/19	10/11/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$62.80	\$62.80	\$63.60	\$65.55	\$65.40	-\$0.15
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$52.90	\$52.90	\$54.55	\$56.25	\$57.90	\$1.65
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$39.00	\$39.00	\$39.00	\$39.00	\$38.95	-\$0.05
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.20	\$12.20	\$12.15	\$12.10	\$12.15	\$0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$34.55	\$34.55	\$34.40	\$34.25	\$34.10	-\$0.15

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Oct 03)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	36	-28	-11	5	4	5
Middle Atlantic	13	-39	-8	20	16	16
E N Central	16	-39	-34	35	30	25
W N Central	44	-10	-28	31	23	19
South Atlantic	0	-23	0	98	55	24
E S Central	0	-22	-4	106	78	47
W S Central	0	-6	-3	117	63	46
Mountain	60	2	25	18	-7	-16
Pacific	45	26	38	1	-17	-22
United States	23	-16	-4	50	28	16

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

Source: National Oceanic and Atmospheric Administration

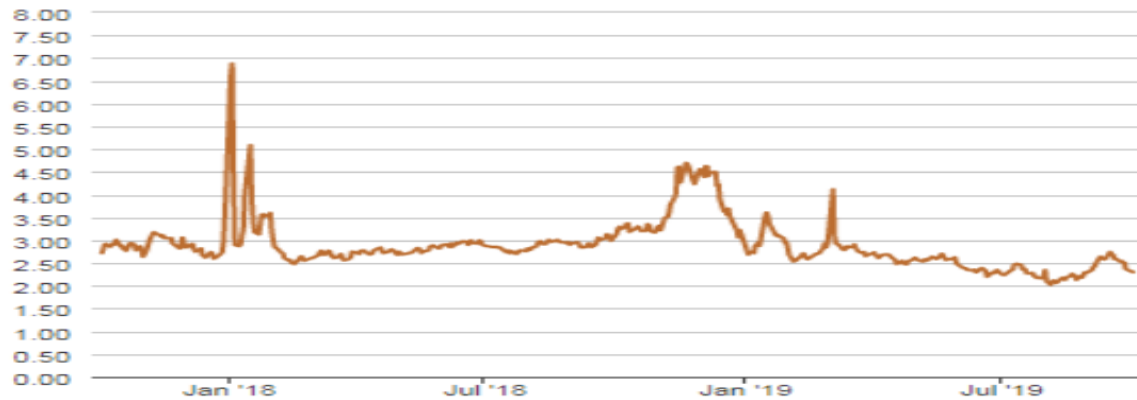
Source: Energy Information Administration, *Natural Gas Weekly Update*.

USGS Production of Selected Mineral Commodities	2019 Year to Date - 1st Quarter	2018 Year to Date - 1st Quarter	Percent Change
Aluminum, secondary (000 Mt.)	209.0	209.0	0%
Cement (Mil. Mt.)	17.0	16.8	1%
Copper (000 Mt.)	299.0	287.0	4%
Gold (Mt.)	53.2	51.7	3%
Gypsum (Mil. Mt.)	4.2	3.8	11%
Iron Ore (Mil. Mt.)	10.8	11.6	-7%
Lead (000 Mt.)	W	W	N/A
Molybdenum (000 Mt.)	10.5	10.7	-2%
Phosphate rock (Mil. Mt.)	5.3	6.5	-18%
Sand & gravel, construction (Mil. Mt.)	168.0	163.0	3%
Silver (Mt.)	237.0	212.0	12%
Soda ash (Mil. Mt.)	2.9	3.0	-3%
Stone, crushed (Mil. Mt.)	281.0	250.0	12%
Zinc (000 Mt.)	166.0	174.0	-5%

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



eia 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	July 2019		July 2018		% Change of Stocks	June 2019		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	3,762	181	2,921	81	28.8%	4,129	196	-8.9%
	Subbituminous	163	206	172	197	-5.2%	163	227	0.0%
South	Bituminous	22,398	95	19,630	67	14.1%	23,997	88	-6.7%
	Subbituminous	4,194	42	5,481	52	-23.5%	4,739	45	-11.5%
Midwest	Bituminous	10,054	79	10,225	76	-1.7%	11,195	81	-10.2%
	Subbituminous	21,355	76	28,934	81	-26.2%	22,647	73	-5.7%
West	Bituminous	3,875	79	5,024	97	-22.9%	3,776	71	2.6%
	Subbituminous	20,283	59	22,585	66	-10.2%	19,618	58	3.4%
U.S. Total	Bituminous	40,089	94	37,801	74	6.1%	43,097	89	-7.0%
	Subbituminous	45,996	63	57,172	71	-19.5%	47,167	62	-2.5%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

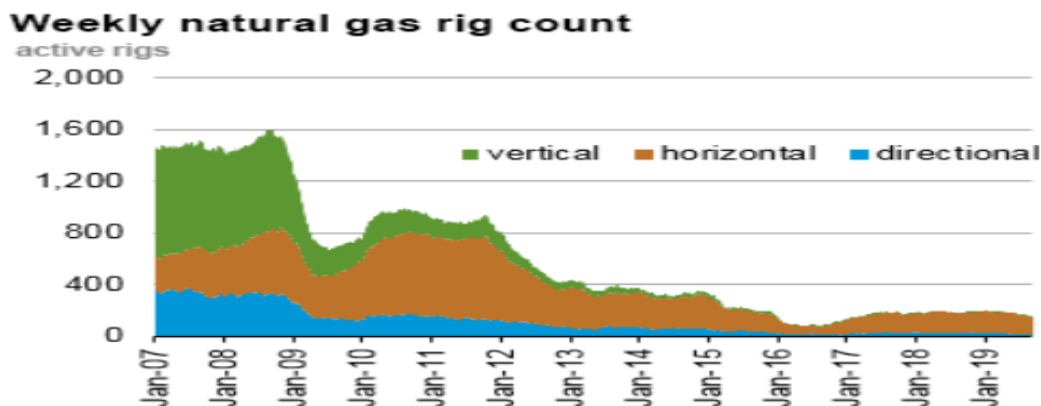
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-10-04	2019-09-27	change
East	854	826	28
Midwest	1,009	973	36
Mountain	203	199	4
Pacific	296	291	5
South Central	1,054	1,029	25
Total	3,415	3,317	98

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		
	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