

National Mining Association

Weekly Statistical Summary

September 27, 2019 Edition
(Data for Week Ending September 21, 2019)

Prepared by
National Mining Association



Suite 500 East, 101 Constitution Avenue, NW
Washington, DC, 20001
Phone (202) 463-2600
Visit us at <http://www.nma.org>

NMA Weekly Statistical Summary

Vol. 57, No. 38
Dated 09/27/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/21/19	09/22/18	% Chng	09/21/19	09/22/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,547	14,882	-9.0%	520,505	544,418	-4.4%
52 Weeks Ended	730,320	754,946	-3.3%			
AAR Coal Rail Cars Loaded:	78,881	87,890	-10.3%	2,960,951	3,175,408	-6.8%
Coal Production Month Ended - Aug	August 19/18		% Chng	Jan - Aug 19/18		% Chng
	62,838	69,325	-9.4%	474,409	500,866	-5.3%
DOC Coal Trade (000 Tons)						
Exports:	July 19/18		% Chng	Jan - July 19/18		% Chng
Metallurgical	3,656	4,763	-23.2%	32,661	36,583	-10.7%
Steam Bit. *	2,761	4,716	-41.5%	24,144	30,882	-21.8%
Lignite	8	8	0.0%	55	52	5.8%
Anthracite	70	51	37.3%	191	141	35.5%
Total	6,495	9,538	-31.9%	57,051	67,658	-15.7%
Imports:	511	692	-26.2%	3,804	3,605	5.5%
	Week Ended			Cumulative Week 1 to		
	09/21/19	09/22/18	% Chng	09/21/19	09/22/18	% Chng
EI Electric Total Output (Mil. Kwh)	80,770	83,579	-3.4%	3,009,735	3,073,792	-2.1%
EI Coal Region Output (Mil. Kwh)	70,737	73,080	-3.2%	2,610,132	2,662,825	-2.0%
AISI Raw Steel Output (000 Tons)	1,809	1,866	-3.1%	70,768	68,321	3.6%

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)	
	09/20/19	09/13/19	% Chng	Wed.	09/18/19
Central App, 12,500 Btu, 1.2 SO ₂	\$62.80	\$62.80	0.0%	Henry Hub	2.68
Northern App, 13,000 Btu, < 3.0 SO ₂	52.90	52.90	0.0%	New York	2.01
Illinois Basin, 11,800, 5.0 SO ₂	39.00	39.00	0.0%	Chicago	2.39
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.20	12.20	0.0%	Cal.Comp.Avg.	2.69
Uinta Basin, 11,700 Btu, 0.8 SO ₂	34.55	34.55	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		
	9/21/2019 (week 38)	9/14/2019 (week 37)	9/22/2018 (week 38)	9/21/2019	9/21/2018	% Change	9/21/2019	9/22/2018	% Change
Alabama	276	279	279	11,078	10,764	2.9	15,061	14,120	6.7
Alaska	16	19	14	690	592	16.5	997	875	13.9
Arizona	120	119	131	4,713	4,771	-1.2	6,475	6,689	-3.2
Colorado	241	238	277	9,353	10,330	-9.5	13,012	14,346	-9.3
Illinois	903	915	948	35,802	35,946	-0.4	49,214	48,376	1.7
Indiana	641	669	644	25,048	24,698	1.4	34,865	33,027	5.6
Kentucky Total	690	706	741	27,802	28,961	-4.0	38,484	39,765	-3.2
Eastern (KY)	273	278	316	10,974	12,566	-12.7	15,448	17,584	-12.1
Western (KY)	417	428	425	16,828	16,395	2.6	23,037	22,181	3.9
Louisiana	28	24	39	998	1,141	-12.6	1,335	1,648	-19.0
Maryland	21	24	21	992	920	7.9	1,368	1,358	0.7
Mississippi	59	56	66	2,141	2,188	-2.1	2,884	2,812	2.6
Missouri	4	4	5	152	187	-18.8	223	253	-11.9
Montana	673	716	731	23,665	26,776	-11.6	35,404	37,390	-5.3
New Mexico	295	270	233	10,954	6,513	68.2	15,203	9,545	59.3
North Dakota	511	531	605	19,496	21,570	-9.6	27,491	29,712	-7.5
Ohio	167	172	184	6,210	6,303	-1.5	8,876	8,944	-0.8
Oklahoma	12	10	18	271	599	-54.8	385	757	-49.1
Pennsylvania Total	891	928	892	36,868	36,165	1.9	50,556	49,329	2.5
Anthracite (PA)	40	40	36	1,645	1,339	22.9	2,198	1,861	18.1
Bituminous (PA)	850	888	856	35,223	34,826	1.1	48,358	47,468	1.9
Tennessee	5	5	4	224	171	31.3	285	249	14.5
Texas	390	376	508	16,004	18,548	-13.7	22,212	29,198	-23.9
Utah	254	257	266	10,999	9,848	11.7	14,735	14,254	3.4
Virginia	228	233	246	9,027	9,443	-4.4	12,563	12,925	-2.8
West Virginia Total	1,685	1,742	1,802	69,490	69,843	-0.5	94,923	95,965	-1.1
Northern (WV)	847	877	865	35,031	33,111	5.8	47,923	46,370	3.3
Southern (WV)	838	865	937	34,458	36,732	-6.2	47,000	49,595	-5.2
Wyoming	5,434	5,577	6,226	198,532	218,140	-9.0	283,770	303,410	-6.5
Appalachian Total	3,547	3,660	3,744	144,863	146,174	-0.9	199,079	200,474	-0.7
Interior Total	2,456	2,482	2,653	97,242	99,703	-2.5	134,154	138,251	-3.0
Western Total	7,544	7,729	8,485	278,400	298,540	-6.7	397,087	416,221	-4.6
East of Mississippi River	5,568	5,728	5,827	224,681	225,401	-0.3	309,078	306,869	0.7
West of Mississippi River	7,979	8,144	9,055	295,825	319,016	-7.3	421,242	448,077	-6.0
Bituminous and Lignite	13,507	13,832	14,846	518,860	543,079	-4.5	728,122	753,085	-3.3
Anthracite	40	40	36	1,645	1,339	22.9	2,198	1,861	18.1
U.S. Total	13,547	13,872	14,882	520,505	544,418	-4.4	730,320	754,946	-3.3
Railroad Cars Loaded	78,881	80,753	87,890	2,960,951	3,175,408	-6.8	4,190,661	4,387,817	-4.5

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 38

OUTPUT FOR WEEK ENDED - Sep 21, 2019

Sep 25, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Sep 21, 2019** was **80,770** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **195** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended September 21		52 Weeks Ended September 21	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,002	-15.9	117,791	-4.2
Mid-Atlantic	7,629	-11.6	430,530	-2.4
Central Industrial	12,894	-7.0	665,284	-3.0
West Central	7,096	3.4	330,424	-2.3
Southeast	20,711	-3.7	1,036,004	-1.2
South Central	16,772	2.8	762,530	0.2
Rocky Mountain	5,635	-4.6	281,447	0.6
Pacific Northwest	2,456	-1.8	156,883	-0.3
Pacific Southwest	5,575	-0.7	268,774	-3.6
Total United States	80,770	-3.4	4,049,667	-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)
Aug 31	82,497	Sep 01	89,856	-8.2	Aug 31	4,050,799	-1.1
Sep 07	83,846	Sep 08	86,716	-3.3	Sep 07	4,047,929	-1.5
Sep 14	84,144	Sep 15	79,597	5.7	Sep 14	4,052,476	-1.5
Sep 21	80,770	Sep 22	83,579	-3.4	Sep 21	4,049,667	-1.6
Sep 21	3,009,735	Sep 22	3,073,792	-2.1	YEAR TO DATE, FIRST 38 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Aug 31	174	Sep 01	175	Sep 02	159
Sep 07	183	Sep 08	173	Sep 09	160
Sep 14	200	Sep 15	182	Sep 16	175
Sep 21	195	Sep 22	196	Sep 23	197

* Excludes Alaska and Hawaii.

+ Includes investor-owned companies, cooperatives and government-owned utilities.

Copyright © 2019 Edison Electric Institute. All rights reserved.

EEl WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	21-Sep 2019 GWh Output	22-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018	21-Sep 2019 GWh Output	22-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018	21-Sep 2019 GWh Output	22-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,002	2,382	-16.0%	86,644	91,065	-4.9%	117,791	123,018	-4.2%
Mid-Atlantic	7,629	8,633	-11.6%	319,326	329,191	-3.0%	430,530	440,960	-2.4%
Central Industrial	12,894	13,863	-7.0%	493,185	512,481	-3.8%	665,284	685,591	-3.0%
West Central	7,096	6,865	3.4%	244,784	252,255	-3.0%	330,424	338,124	-2.3%
Southeast	20,711	21,497	-3.7%	767,992	783,891	-2.0%	1,036,004	1,048,742	-1.2%
South Central	16,772	16,318	2.8%	576,705	577,118	-0.1%	762,530	761,359	0.2%
Rocky Mountain	5,635	5,904	-4.6%	208,140	207,889	0.1%	281,447	279,907	0.6%
Pacific Northwest	2,456	2,501	-1.8%	114,212	113,273	0.8%	156,883	157,279	-0.3%
Pacific Southwest	<u>5,575</u>	<u>5,616</u>	-0.7%	<u>198,749</u>	<u>206,628</u>	-3.8%	<u>268,774</u>	<u>278,943</u>	-3.6%
Total United States ^{1/}	<u>80,770</u>	<u>83,579</u>	-3.4%	<u>3,009,737</u>	<u>3,073,791</u>	-2.1%	<u>4,049,667</u>	<u>4,113,923</u>	-1.6%
Coal Regions Only ^{2/}	70,737	73,080	-3.2%	2,610,132	2,662,825	-2.0%	3,506,219	3,554,683	-1.4%

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*.

AMERICAN IRON AND STEEL INSTITUTE
 25 Massachusetts Avenue, NW, Suite 800
 Washington, D.C. 20001

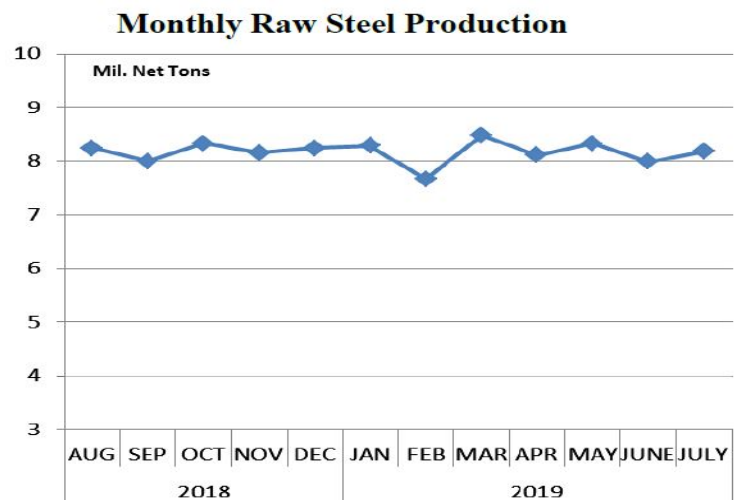
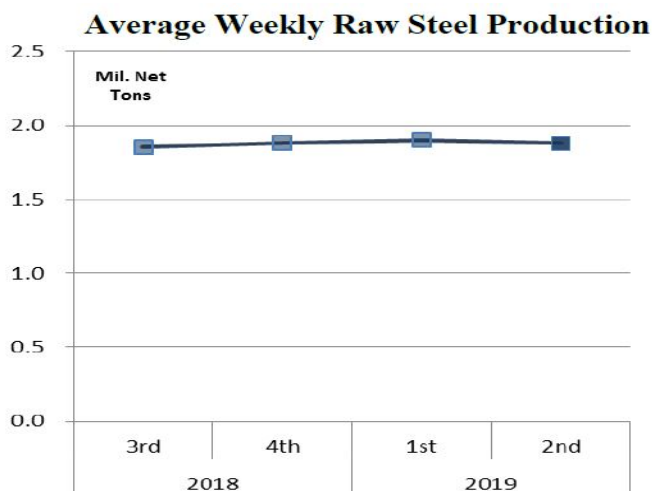
September 23, 2019

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

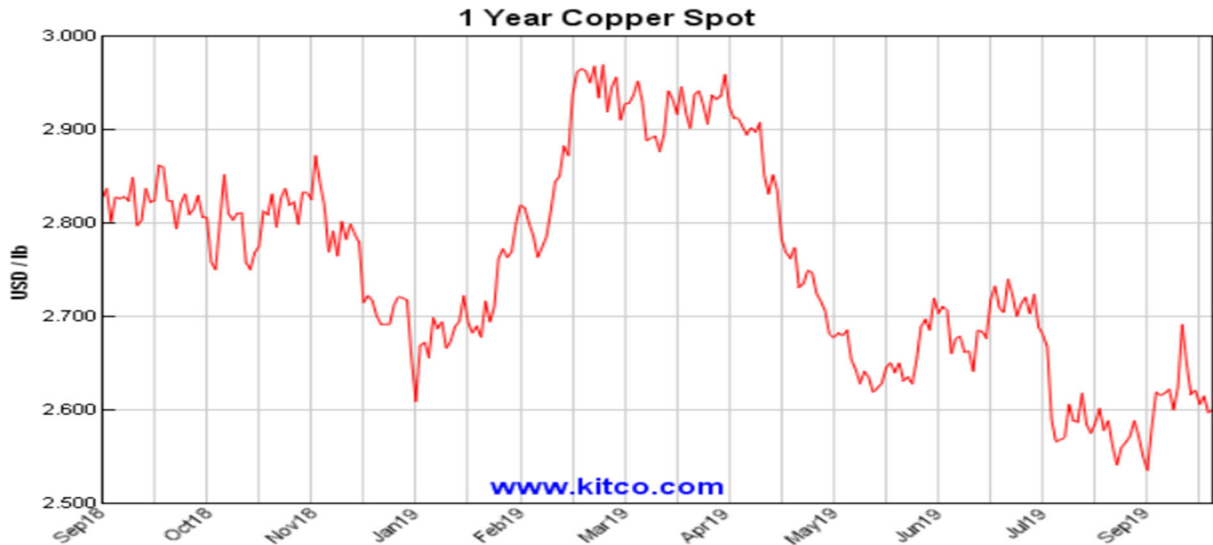
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
				<u>Sep 21</u>	<u>Sep 14</u>	
<u>Week Ending</u>				North East	197	201
				Great Lakes	703	692
September 21, 2019	1,809	-0.1	77.7	Midwest	187	179
September 21, 2018	1,866	-3.1	79.6	Southern	649	668
September 14, 2019	1,811	-1.3	77.8	Western	<u>73</u>	<u>71</u>
				Total	1,809	1,811
<u>Year-to-Date +</u>						
September 21, 2019	70,768	3.6	80.6			
September 21, 2018	68,321	-	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 third quarter 2019 is approximately 30.6 million net tons vs. 30.8 million net tons for the same period last year, and 30.3 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 38, 2019 – Ended September 21, 2019

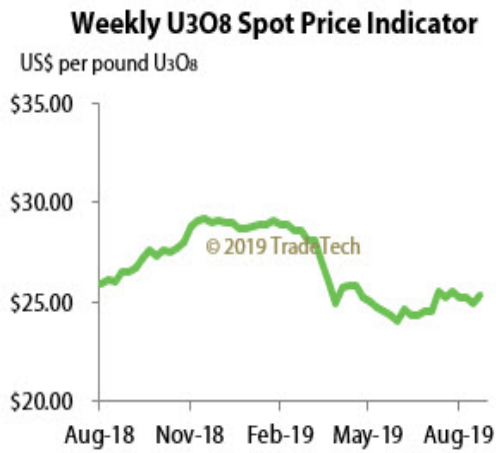
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	250,794	-8.0%	9,613,796	252,995	-3.6%
Chemicals	32,280	1.7%	1,225,210	32,242	-0.2%
Coal	78,881	-10.4%	2,980,605	78,437	-6.7%
Farm Products excl. Grain, and Food	14,728	-7.1%	590,349	15,536	-4.0%
Forest Products	9,654	-6.3%	375,550	9,883	-4.2%
Grain	19,018	-18.4%	825,973	21,736	-5.7%
Metallic Ores and Metals	21,905	-8.8%	839,772	22,099	-5.2%
Motor Vehicles and Parts	16,073	-5.5%	614,759	16,178	-2.0%
Nonmetallic Minerals	36,617	-4.9%	1,317,958	34,683	-4.7%
Petroleum and Petroleum Products	11,862	-9.7%	480,855	12,654	17.0%
Other	9,776	-8.7%	362,765	9,546	-0.5%
Total Intermodal Units	277,876	-5.7%	10,111,040	266,080	-4.0%
Total Traffic	528,670	-6.8%	19,724,836	519,075	-3.8%

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.

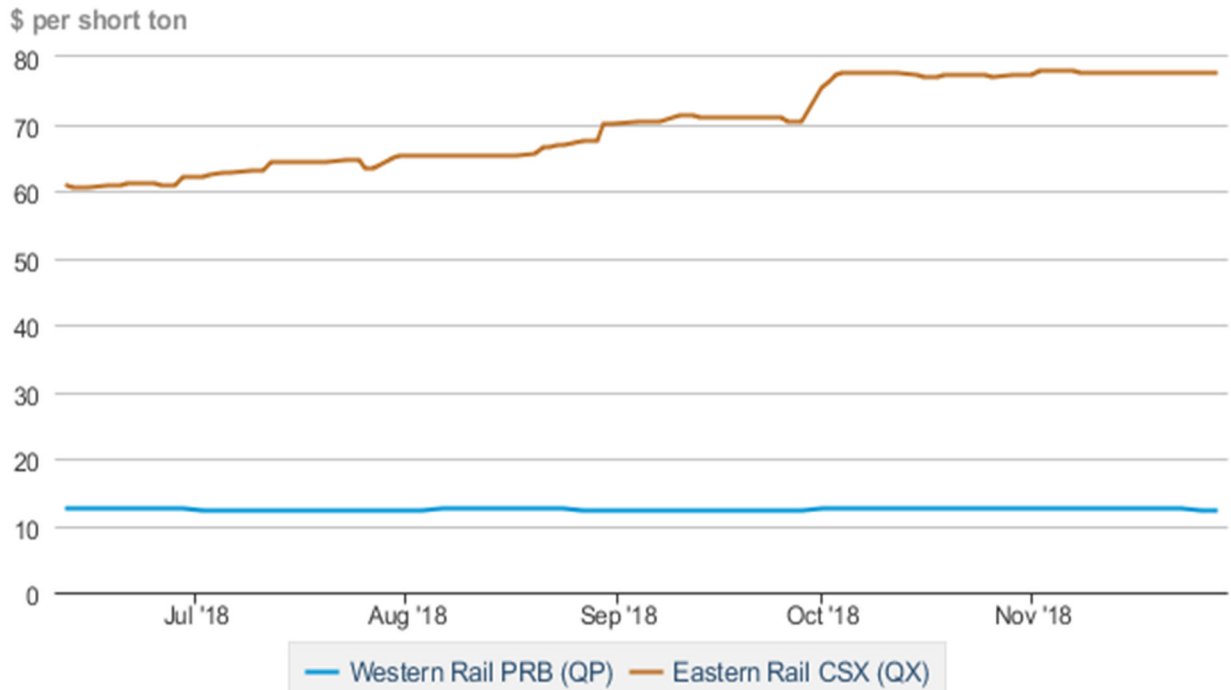
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

NYMEX coal futures near-month contract final settlement price



Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

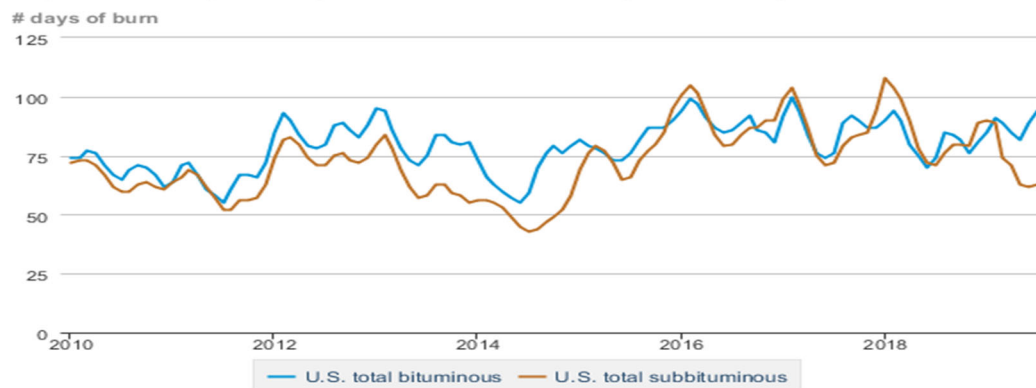
Source: Energy Information Administration **Note: EIA has discontinued reporting NYMEX coal Futures price data.**

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	08/23/19	08/30/19	09/06/19	09/13/19	09/20/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$60.30	\$62.15	\$62.15	\$62.80	\$62.80	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$49.80	\$51.35	\$51.35	\$52.90	\$52.90	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$39.10	\$39.10	\$39.10	\$39.00	\$39.00	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.10	\$12.25	\$12.25	\$12.20	\$12.20	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$34.85	\$34.70	\$34.70	\$34.55	\$34.55	\$0.00

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*

Region	Temperature – heating & cooling degree days (week ending Sep 12)					
	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	21	3	1	7	-1	-14
Middle Atlantic	7	-5	-11	22	3	-5
E N Central	13	-4	-8	33	14	20
W N Central	14	-9	-3	50	23	27
South Atlantic	0	-2	-1	99	30	8
E S Central	0	-2	-1	94	35	15
W S Central	0	-2	-1	129	36	45
Mountain	13	-14	7	58	12	-7
Pacific	3	-6	-1	32	-2	-17
United States	7	-5	-4	60	17	8

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



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			June 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	3,762	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

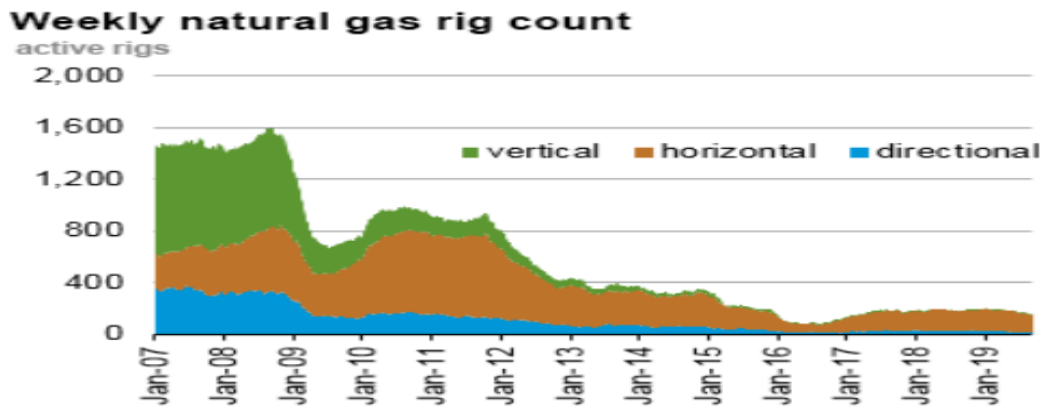
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-09-13	2019-09-06	change
East	763	739	24
Midwest	898	864	34
Mountain	188	183	5
Pacific	279	275	4
South Central	974	958	16
Total	3,103	3,019	84

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		
	September 2019	October 2019	change	September 2019	October 2019	change
Anadarko	460	467	7	2,929	2,940	11
Appalachia	149	151	2	18,216	18,245	29
Bakken	1,455	1,487	32	2,154	2,212	58
Eagle Ford	1,363	1,369	6	4,880	4,894	14
Haynesville	26	26	-	10,109	10,120	11
Niobrara	1,234	1,237	3	4,293	4,306	13
Permian	761	772	11	1,416	1,440	24
Rig-weighted average	762	776	14	4,163	4,115	(48)

Source: Energy Information Administration