

National Mining Association

Weekly Statistical Summary

September 20, 2019 Edition
(Data for Week Ending September 14, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 37
Dated 09/20/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/14/19	09/15/18	% Chng	09/14/19	09/15/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,872	14,487	-4.2%	506,958	529,587	-4.3%
52 Weeks Ended	731,655	754,101	-3.0%			
AAR Coal Rail Cars Loaded:	80,753	85,562	-5.6%	2,882,070	3,087,822	-6.7%
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			Jan - July 19/18		
			% Chng			% 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		
	09/14/19	09/15/18	% Chng	09/14/19	09/15/18	% Chng
EEl Electric Total Output (Mil. Kwh)	84,144	79,597	5.7%	2,928,965	2,990,213	-2.0%
EEl Coal Region Output (Mil. Kwh)	73,640	69,066	6.6%	2,539,395	2,589,745	-1.9%
AISI Raw Steel Output (000 Tons)	1,811	1,866	-2.9%	68,959	66,455	3.8%

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)	
	09/13/19	09/06/19	% Chng	Wed.	09/11/19
Central App, 12,500 Btu, 1.2 SO ₂	\$62.80	\$62.15	1.0%	Henry Hub	2.59
Northern App, 13,000 Btu, < 3.0 SO ₂	52.90	51.35	3.0%	New York	2.30
Illinois Basin, 11,800, 5.0 SO ₂	39.00	39.10	-0.3%	Chicago	2.37
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.20	12.25	-0.4%	Cal.Comp.Avg.	2.75
Uinta Basin, 11,700 Btu, 0.8 SO ₂	34.55	34.70	-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)	9/14/2019 (week 37)	9/7/2019 (week 36)	9/15/2018 (week 37)	9/14/2019	9/14/2018	% Change	9/14/2019	9/15/2018	% Change
Alabama	279	270	271	10,802	10,486	3.0	15,064	14,045	7.3
Alaska	19	17	14	673	577	16.6	996	878	13.4
Arizona	119	117	128	4,593	4,640	-1.0	6,487	6,656	-2.5
Colorado	238	236	270	9,112	10,054	-9.4	13,049	14,294	-8.7
Illinois	915	886	923	34,898	35,002	-0.3	49,258	48,240	2.1
Indiana	669	636	627	24,407	24,056	1.5	34,868	32,936	5.9
Kentucky Total	706	681	722	27,112	28,223	-3.9	38,535	39,726	-3.0
Eastern (KY)	278	270	308	10,700	12,251	-12.7	15,490	17,571	-11.8
Western (KY)	428	411	414	16,411	15,971	2.8	23,045	22,155	4.0
Louisiana	24	26	38	969	1,102	-12.1	1,345	1,620	-17.0
Maryland	24	22	21	971	899	8.0	1,367	1,368	-0.1
Mississippi	56	57	64	2,081	2,122	-1.9	2,891	2,779	4.0
Missouri	4	4	5	148	182	-19.0	224	252	-11.1
Montana	716	667	712	22,992	26,047	-11.7	35,462	37,406	-5.2
New Mexico	270	259	227	10,658	6,281	69.7	15,140	9,540	58.7
North Dakota	531	506	589	18,984	20,967	-9.5	27,585	29,640	-6.9
Ohio	172	161	179	6,042	6,120	-1.3	8,892	8,929	-0.4
Oklahoma	10	12	18	258	581	-55.6	391	748	-47.7
Pennsylvania Total	928	893	868	35,978	35,276	2.0	50,557	49,272	2.6
Anthracite (PA)	40	39	35	1,605	1,303	23.1	2,193	1,855	18.2
Bituminous (PA)	888	854	833	34,373	33,973	1.2	48,364	47,417	2.0
Tennessee	5	5	4	220	166	31.9	285	251	13.5
Texas	376	378	494	15,614	18,042	-13.5	22,330	29,365	-24.0
Utah	257	247	259	10,745	9,583	12.1	14,747	14,221	3.7
Virginia	233	225	240	8,798	9,198	-4.3	12,581	12,912	-2.6
West Virginia Total	1,742	1,681	1,754	67,804	68,047	-0.4	95,040	95,707	-0.7
Northern (WV)	877	840	842	34,184	32,249	6.0	47,940	46,245	3.7
Southern (WV)	865	841	912	33,621	35,798	-6.1	47,099	49,462	-4.8
Wyoming	5,577	5,307	6,061	193,098	211,936	-8.9	284,562	303,320	-6.2
Appalachian Total	3,660	3,526	3,645	141,315	142,443	-0.8	199,276	200,054	-0.4
Interior Total	2,482	2,410	2,583	94,787	97,059	-2.3	134,352	138,094	-2.7
Western Total	7,729	7,355	8,260	270,856	290,085	-6.6	398,027	415,953	-4.3
East of Mississippi River	5,728	5,516	5,672	219,113	219,595	-0.2	309,337	306,162	1.0
West of Mississippi River	8,144	7,776	8,815	287,845	309,993	-7.1	422,317	447,938	-5.7
Bituminous and Lignite	13,832	13,253	14,453	505,354	528,284	-4.3	729,462	752,245	-3.0
Anthracite	40	39	35	1,605	1,303	23.1	2,193	1,855	18.2
U.S. Total	13,872	13,292	14,487	506,958	529,587	-4.3	731,655	754,101	-3.0
Railroad Cars Loaded	80,753	79,446	85,562	2,882,070	3,087,822	-6.7	4,199,670	4,384,316	-4.2

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 37

OUTPUT FOR WEEK ENDED - Sep 14, 2019

Sep 18, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Sep 14, 2019** was **84,144** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **200** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended September 14		52 Weeks Ended September 14	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,115	-5.9	118,170	-3.9
Mid-Atlantic	8,281	1.3	431,535	-2.1
Central Industrial	13,217	5.5	666,253	-2.9
West Central	6,610	-0.6	330,193	-2.4
Southeast	22,500	7.4	1,036,791	-1.1
South Central	17,388	16.3	762,076	0.1
Rocky Mountain	5,644	-3.2	281,716	0.9
Pacific Northwest	2,492	0.3	156,928	-0.2
Pacific Southwest	5,897	1.7	268,814	-3.5
Total United States	84,144	5.7	4,052,476	-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)
Aug 24	89,601	Aug 25	85,509	4.8	Aug 24	4,058,158	-0.6
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 14	2,928,965	Sep 15	2,990,213	-2.0	YEAR TO DATE, FIRST 37 WEEKS		

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

Week Ended	2019	Week Ended	2018	Week Ended	2017
Aug 24	186	Aug 25	163	Aug 26	173
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

* 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		
	14-Sep 2019 GWh Output	15-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018	14-Sep 2019 GWh Output	15-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018	14-Sep 2019 GWh Output	15-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,115	2,248	-5.9%	84,642	88,683	-4.6%	118,170	122,974	-3.9%
Mid-Atlantic	8,281	8,175	1.3%	311,697	320,558	-2.8%	431,535	440,951	-2.1%
Central Industrial	13,217	12,527	5.5%	480,291	498,618	-3.7%	666,253	685,838	-2.9%
West Central	6,610	6,649	-0.6%	237,688	245,390	-3.1%	330,193	338,204	-2.4%
Southeast	22,500	20,942	7.4%	747,281	762,394	-2.0%	1,036,791	1,047,809	-1.1%
South Central	17,388	14,946	16.3%	559,933	560,800	-0.2%	762,076	761,498	0.1%
Rocky Mountain	5,644	5,827	-3.1%	202,505	201,985	0.3%	281,716	279,182	0.9%
Pacific Northwest	2,492	2,483	0.4%	111,756	110,772	0.9%	156,928	157,305	-0.2%
Pacific Southwest	5,897	5,800	1.7%	193,174	201,012	-3.9%	268,814	278,567	-3.5%
Total United States ^{1/}	84,144	79,597	5.7%	2,928,967	2,990,212	-2.0%	4,052,476	4,112,328	-1.5%
Coal Regions Only ^{2/}	73,640	69,066	6.6%	2,539,395	2,589,745	-1.9%	3,508,564	3,553,482	-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*.

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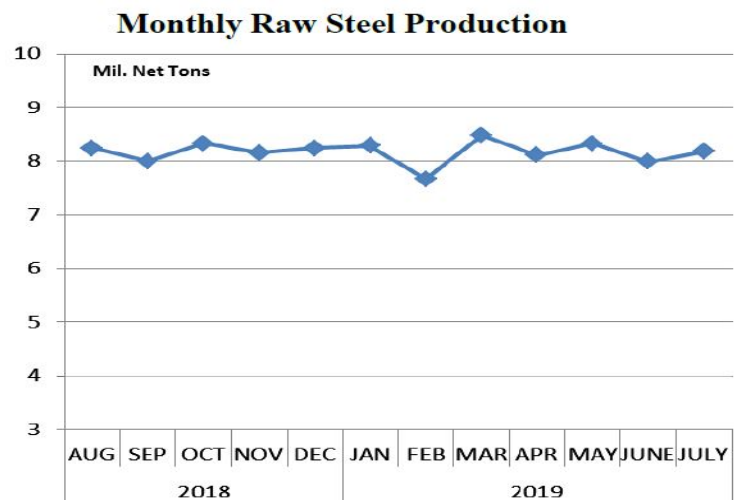
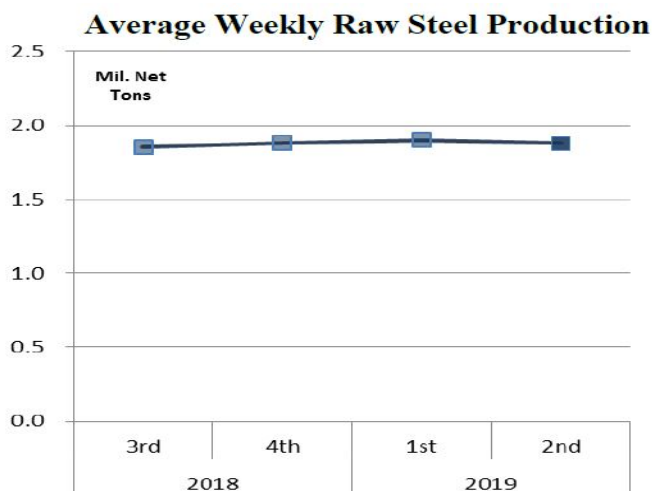
September 16, 2019

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

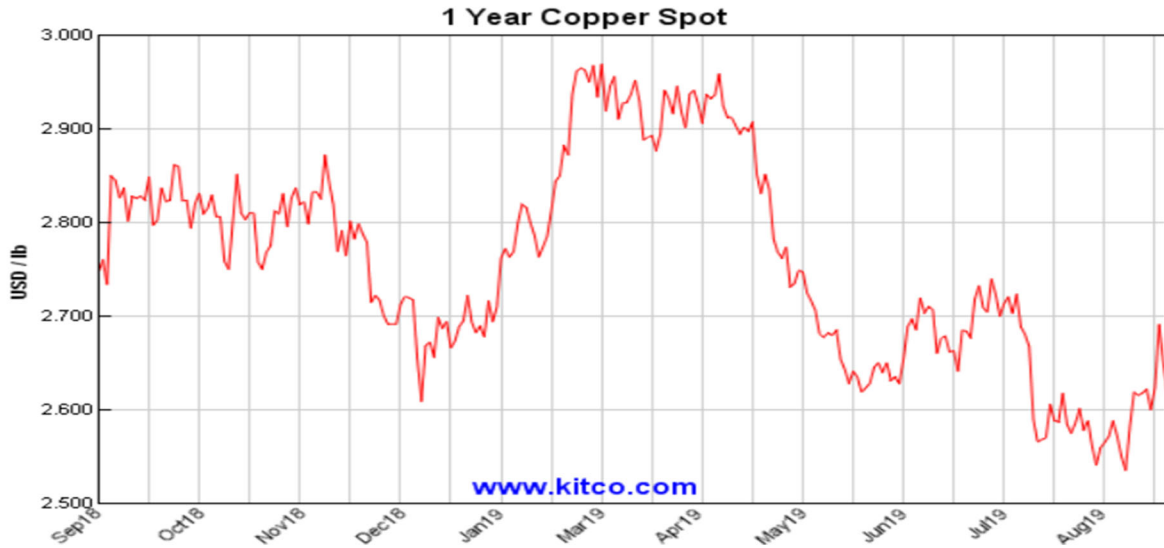
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
				<u>Sep 14</u>	<u>Sep 7</u>	
<u>Week Ending</u>				North East	201	214
				Great Lakes	692	686
September 14, 2019	1,811	-1.3	77.8	Midwest	179	190
September 14, 2018	1,866	-2.9	79.6	Southern	668	672
September 7, 2019	1,835	-0.8	78.8	Western	71	73
				Total	1,811	1,835
<u>Year-to-Date +</u>						
September 14, 2019	68,959	3.8	80.7			
September 14, 2018	66,455	-	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 37, 2019 – Ended September 14, 2019

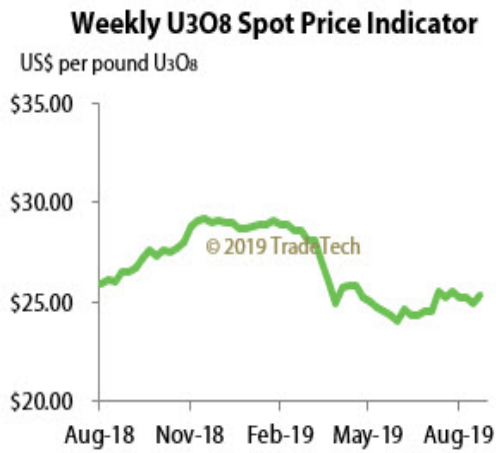
	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	252,310	-6.1%	9,363,002	253,054	-3.5%
Chemicals	30,970	-5.1%	1,192,930	32,241	-0.2%
Coal	80,753	-5.8%	2,901,724	78,425	-6.6%
Farm Products excl. Grain, and Food	15,384	-7.1%	575,621	15,557	-3.9%
Forest Products	9,874	-1.6%	365,896	9,889	-4.1%
Grain	18,337	-13.7%	806,955	21,810	-5.3%
Metallic Ores and Metals	22,766	-9.4%	817,867	22,105	-5.1%
Motor Vehicles and Parts	17,339	1.8%	598,686	16,181	-1.9%
Nonmetallic Minerals	35,769	-2.1%	1,281,341	34,631	-4.6%
Petroleum and Petroleum Products	11,692	-12.2%	468,993	12,675	17.9%
Other	9,426	-10.1%	352,989	9,540	-0.3%
Total Intermodal Units	274,424	-3.5%	9,833,164	265,761	-4.0%
Total Traffic	526,734	-4.8%	19,196,166	518,815	-3.7%

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.

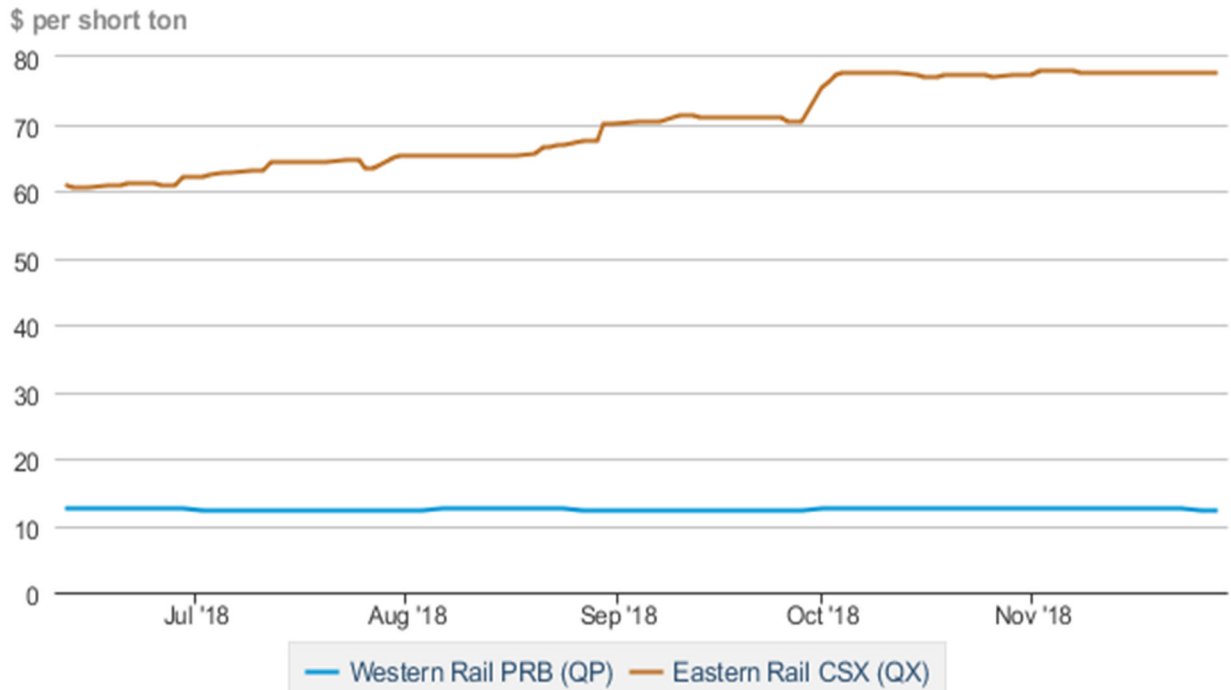
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

NYMEX coal futures near-month contract final settlement price



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

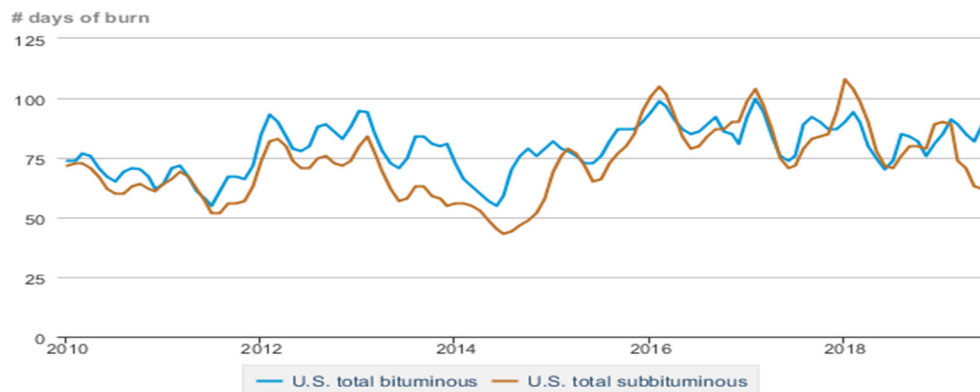
Source: Energy Information Administration **Note: EIA has discontinued reporting NYMEX coal Futures price data.**

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	08/16/19	08/23/19	08/30/19	09/06/19	09/13/19	change
Central Appalachia <i>12,500 Btu, 1.2 SO₂</i>	\$62.05	\$60.30	\$62.15	\$62.15	\$62.80	\$0.65
Northern Appalachia <i>13,000 Btu, < 3.0 SO₂</i>	\$49.80	\$49.80	\$51.35	\$51.35	\$52.90	\$1.55
Illinois Basin <i>11,800 Btu, 5.0 SO₂</i>	\$39.10	\$39.10	\$39.10	\$39.10	\$39.00	-\$0.10
Powder River Basin <i>8,800 Btu, 0.8 SO₂</i>	\$12.05	\$12.10	\$12.25	\$12.25	\$12.20	-\$0.05
Uinta Basin <i>11,700 Btu, 0.8 SO₂</i>	\$34.85	\$34.85	\$34.70	\$34.70	\$34.55	-\$0.15

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

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



Source: U.S. Energy Information Administration

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

Region	Temperature – heating & cooling degree days (week ending Sep 05)					
	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	9	-2	7	14	-1	-45
Middle Atlantic	2	-4	2	33	6	-46
E N Central	13	2	11	19	-8	-55
W N Central	13	-3	10	38	1	-21
South Atlantic	0	-1	0	92	16	-15
E S Central	0	-1	0	84	15	-16
W S Central	0	-1	0	124	20	6
Mountain	0	-20	-5	92	38	33
Pacific	0	-7	-3	77	40	37
United States	5	-3	3	65	14	-14

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



 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	June 2019		June 2018		% Change of Stocks	May 2019		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	4,129	196	3,408	85	21.1%	3,956	194	4.4%
	Subbituminous	163	227	147	213	11.4%	163	250	0.0%
South	Bituminous	23,997	88	21,552	62	11.3%	22,319	80	7.5%
	Subbituminous	4,739	45	6,246	55	-24.1%	5,071	50	-6.6%
Midwest	Bituminous	11,195	81	10,802	73	3.6%	10,056	72	11.3%
	Subbituminous	22,647	73	31,480	79	-28.1%	22,226	73	1.9%
West	Bituminous	3,776	71	5,317	99	-29.0%	3,971	79	-4.9%
	Subbituminous	19,618	58	24,961	69	-21.4%	19,636	58	-0.1%
U.S. Total	Bituminous	43,097	89	41,080	70	4.9%	40,302	82	6.9%
	Subbituminous	47,167	62	62,833	72	-24.9%	47,096	63	0.2%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

Working gas in underground storage

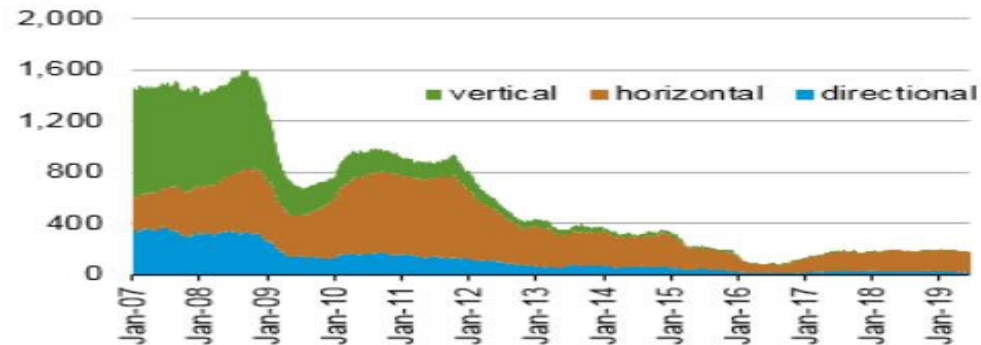
Region	Stocks billion cubic feet (Bcf)		
	2019-09-06	2019-08-30	change
East	739	714	25
Midwest	864	827	37
Mountain	183	177	6
Pacific	275	276	-1
South Central	958	947	11
Total	3,019	2,941	78

Source: Form EIA-912, *Weekly Underground Natural Gas Storage Report*

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

EIA Natural Gas Rig Count

Weekly natural gas rig count active rigs



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