

National Mining Association

Weekly Statistical Summary

September 13, 2019 Edition
(Data for Week Ending September 7, 2019)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 57, No. 36
Dated 09/13/19

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/07/19	09/08/18	% Chng	09/07/19	09/08/18	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	13,292	14,091	-5.7%	493,087	515,102	-4.3%
52 Weeks Ended	732,270	754,427	-2.9%			
AAR Coal Rail Cars Loaded:	86,661	92,084	-5.9%	2,721,873	2,915,944	-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		
	09/07/19	09/08/18	% Chng	09/07/19	09/08/18	% Chng
EI Electric Total Output (Mil. Kwh)	83,846	86,716	-3.3%	2,844,821	2,910,616	-2.3%
EI Coal Region Output (Mil. Kwh)	79,446	85,466	-7.0%	2,801,317	3,001,971	-6.7%
AISI Raw Steel Output (000 Tons)	1,835	1,866	-1.7%	67,148	64,589	4.0%

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)	
	09/06/19	08/30/19	% Chng	Wed.	09/04/19
Central App, 12,500 Btu, 1.2 SO ₂	\$62.15	\$62.15	0.0%	Henry Hub	2.42
Northern App, 13,000 Btu, < 3.0 SO ₂	51.35	51.35	0.0%	New York	1.90
Illinois Basin, 11,800, 5.0 SO ₂	39.10	39.10	0.0%	Chicago	2.18
Powder River Basin, 8,800 Btu 0.8 SO ₂	12.25	12.25	0.0%	Cal.Comp.Avg.	3.23
Uinta Basin, 11,700 Btu, 0.8 SO ₂	34.70	34.70	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		
	9/7/2019 (week 36)	8/31/2019 (week 35)	9/8/2018 (week 36)	9/7/2019	9/7/2018	% Change	9/7/2019	9/8/2018	% Change
Alabama	270	311	264	10,523	10,215	3.0	15,056	13,988	7.6
Alaska	17	16	14	654	563	16.1	990	881	12.4
Arizona	117	136	124	4,474	4,512	-0.8	6,496	6,631	-2.0
Colorado	236	288	263	8,874	9,784	-9.3	13,080	14,261	-8.3
Illinois	886	1,010	897	33,983	34,080	-0.3	49,266	48,174	2.3
Indiana	636	722	610	23,738	23,429	1.3	34,826	32,892	5.9
Kentucky Total	681	758	702	26,406	27,501	-4.0	38,551	39,744	-3.0
Eastern (KY)	270	306	299	10,423	11,943	-12.7	15,520	17,583	-11.7
Western (KY)	411	452	403	15,983	15,557	2.7	23,031	22,162	3.9
Louisiana	26	41	37	945	1,064	-11.2	1,359	1,595	-14.8
Maryland	22	20	20	947	878	7.9	1,365	1,379	-1.0
Mississippi	57	75	62	2,025	2,058	-1.6	2,899	2,749	5.5
Missouri	4	5	5	144	178	-19.2	224	252	-11.1
Montana	667	731	692	22,276	25,335	-12.1	35,458	37,482	-5.4
New Mexico	259	319	220	10,388	6,054	71.6	15,096	9,552	58.0
North Dakota	506	583	573	18,453	20,377	-9.4	27,643	29,613	-6.7
Ohio	161	171	174	5,870	5,941	-1.2	8,899	8,929	-0.3
Oklahoma	12	17	17	248	563	-55.9	399	740	-46.1
Pennsylvania Total	893	973	844	35,050	34,408	1.9	50,497	49,284	2.5
Anthracite (PA)	39	42	34	1,565	1,268	23.4	2,188	1,852	18.1
Bituminous (PA)	854	931	811	33,485	33,140	1.0	48,309	47,433	1.8
Tennessee	5	4	4	215	162	32.5	284	253	12.3
Texas	378	416	481	15,238	17,548	-13.2	22,448	29,582	-24.1
Utah	247	266	252	10,487	9,324	12.5	14,749	14,209	3.8
Virginia	225	249	233	8,565	8,958	-4.4	12,588	12,918	-2.6
West Virginia Total	1,681	1,872	1,706	66,062	66,293	-0.3	95,051	95,582	-0.6
Northern (WV)	840	927	819	33,307	31,407	6.0	47,905	46,183	3.7
Southern (WV)	841	946	887	32,755	34,886	-6.1	47,146	49,398	-4.6
Wyoming	5,307	5,865	5,895	187,521	205,875	-8.9	285,046	303,734	-6.2
Appalachian Total	3,526	3,907	3,545	137,655	138,799	-0.8	199,260	199,917	-0.3
Interior Total	2,410	2,737	2,512	92,305	94,477	-2.3	134,452	138,146	-2.7
Western Total	7,355	8,204	8,034	263,127	281,826	-6.6	398,558	416,364	-4.3
East of Mississippi River	5,516	6,166	5,517	213,385	213,923	-0.3	309,282	305,894	1.1
West of Mississippi River	7,776	8,682	8,574	279,702	301,179	-7.1	422,989	448,533	-5.7
Bituminous and Lignite	13,253	14,807	14,057	491,522	513,834	-4.3	730,082	752,576	-3.0
Anthracite	39	42	34	1,565	1,268	23.4	2,188	1,852	18.1
U.S. Total	13,292	14,848	14,091	493,087	515,102	-4.3	732,270	754,427	-2.9
Railroad Cars Loaded	79,446	86,661	85,466	2,801,317	3,001,971	-6.7	4,204,479	4,387,823	-4.2

Source: Energy Information Administration



Weekly Electric Output

Volume 87 No. 36

OUTPUT FOR WEEK ENDED - Sep 07, 2019

Sep 11, 2019

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Sep 07, 2019** was **83,846** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **183** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended September 07		52 Weeks Ended September 07	
	GWh Output	% Increase Over Corresponding Week of 2018	GWh Output	% Increase Over Corresponding Period of 2018
New England	2,140	-22.4	118,302	-3.8
Mid-Atlantic	8,152	-20.3	431,429	-2.1
Central Industrial	12,003	-16.7	665,563	-2.9
West Central	6,225	-6.3	330,232	-2.4
Southeast	21,643	-4.5	1,035,233	-0.9
South Central	17,681	12.1	759,634	-0.2
Rocky Mountain	6,778	16.1	281,900	1.0
Pacific Northwest	2,618	4.3	156,919	-0.3
Pacific Southwest	6,606	11.7	268,717	-3.6
Total United States	83,846	-3.3	4,047,929	-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 17	90,024	Aug 18	91,061	-1.1	Aug 17	4,054,066	-0.7
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 07	2,844,821	Sep 08	2,910,616	-2.3	YEAR TO DATE, FIRST 36 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2019	Week Ended	2018	Week Ended	2017
Aug 17	185	Aug 18	173	Aug 19	178
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

* 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		
	7-Sep 2019 GWh Output	8-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018	7-Sep 2019 GWh Output	8-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018	7-Sep 2019 GWh Output	8-Sep 2018 GWh Output	% Increase Over Corresponding Week of 2018
New England	2,140	2,757	-22.4%	82,527	86,435	-4.5%	118,302	123,038	-3.8%
Mid-Atlantic	8,152	10,224	-20.3%	303,416	312,383	-2.9%	431,429	440,676	-2.1%
Central Industrial	12,003	14,405	-16.7%	467,074	486,091	-3.9%	665,563	685,135	-2.9%
West Central	6,225	6,645	-6.3%	231,078	238,741	-3.2%	330,232	338,252	-2.4%
Southeast	21,643	22,653	-4.5%	724,781	741,452	-2.2%	1,035,233	1,044,187	-0.9%
South Central	17,681	15,770	12.1%	542,545	545,854	-0.6%	759,634	761,351	-0.2%
Rocky Mountain	6,778	5,837	16.1%	196,861	196,158	0.4%	281,900	279,176	1.0%
Pacific Northwest	2,618	2,511	4.3%	109,264	108,289	0.9%	156,919	157,354	-0.3%
Pacific Southwest	6,606	5,914	11.7%	187,277	195,212	-4.1%	268,717	278,811	-3.6%
Total United States ^{1/}	<u>83,846</u>	<u>86,716</u>	-3.3%	<u>2,844,823</u>	<u>2,910,615</u>	-2.3%	4,047,929	4,107,980	-1.5%
Coal Regions Only ^{2/}	72,482	75,534	-4.0%	2,465,755	2,520,679	-2.2%	3,503,991	3,548,777	-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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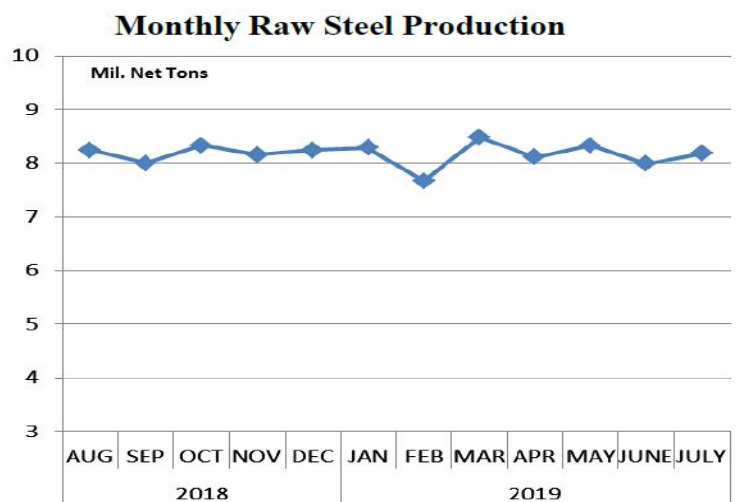
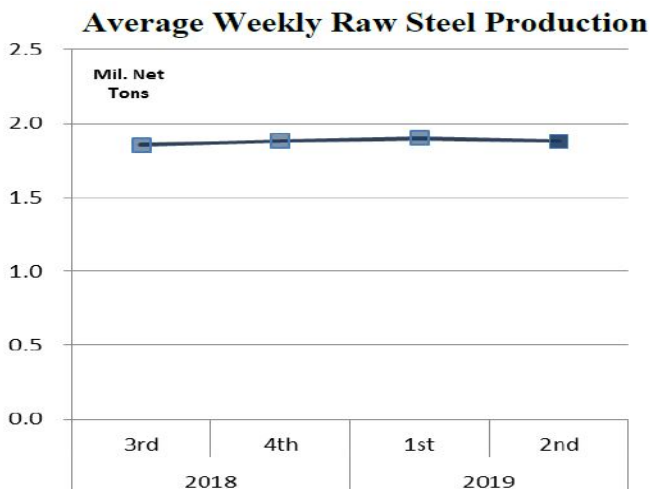
September 9, 2019

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 7</u>	<u>Aug 31</u>	
<u>Week Ending</u>				North East	214	209
				Great Lakes	686	673
September 7, 2019	1,835	-0.8	78.8	Midwest	190	198
September 7, 2018	1,866	-1.7	79.6	Southern	672	699
August 31, 2019	1,850	-1.4	79.5	Western	<u>73</u>	<u>71</u>
				Total	1,835	1,850
<u>Year-to-Date +</u>						
September 7, 2019	67,148	4.0	80.8			
September 7, 2018	64,589	-	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.

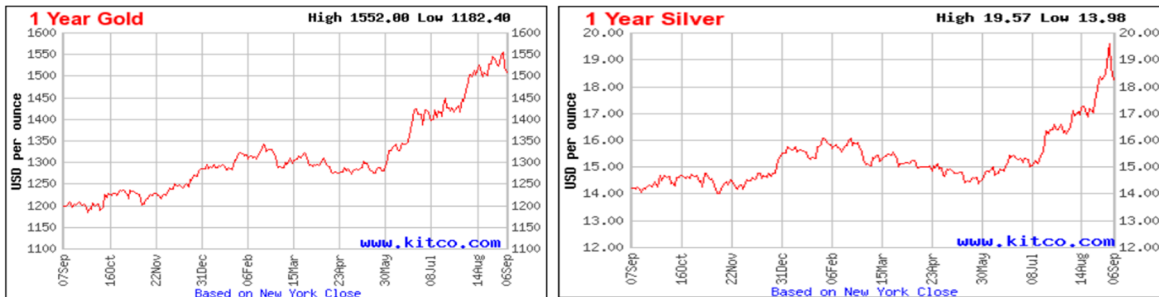
NOTE: Capacity for the third quarter 2019 is approximately 30.6 million net tons vs. 30.8 million net tons for the same period last year, and 30.3 million tons for the second quarter of 2019.



*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

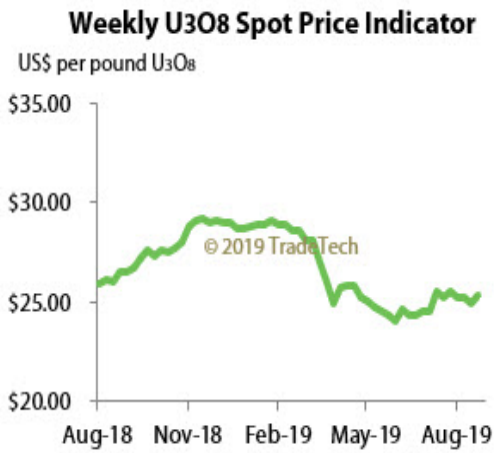
U.S. Rail Traffic¹
Week 36, 2019 – Ended September 7, 2019

	This Week		Year-To-Date		
	Cars	vs 2018	Cumulative	Avg/wk ²	vs 2018
Total Carloads	238,988	-5.6%	9,110,692	253,075	-3.4%
Chemicals	30,888	4.8%	1,161,960	32,277	-0.1%
Coal	79,446	-7.0%	2,820,971	78,360	-6.6%
Farm Products excl. Grain, and Food	14,510	-7.6%	560,237	15,562	-3.8%
Forest Products	9,015	-9.8%	356,022	9,890	-4.2%
Grain	17,431	-12.9%	788,618	21,906	-5.1%
Metallic Ores and Metals	20,075	-10.6%	795,101	22,086	-5.0%
Motor Vehicles and Parts	14,562	-0.7%	581,347	16,149	-2.0%
Nonmetallic Minerals	32,734	-7.2%	1,245,572	34,599	-4.7%
Petroleum and Petroleum Products	11,653	0.0%	457,301	12,703	18.9%
Other	8,674	0.5%	343,563	9,543	0.0%
Total Intermodal Units	230,297	-7.5%	9,558,740	265,521	-4.0%
Total Traffic	469,285	-6.6%	18,669,432	518,595	-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.

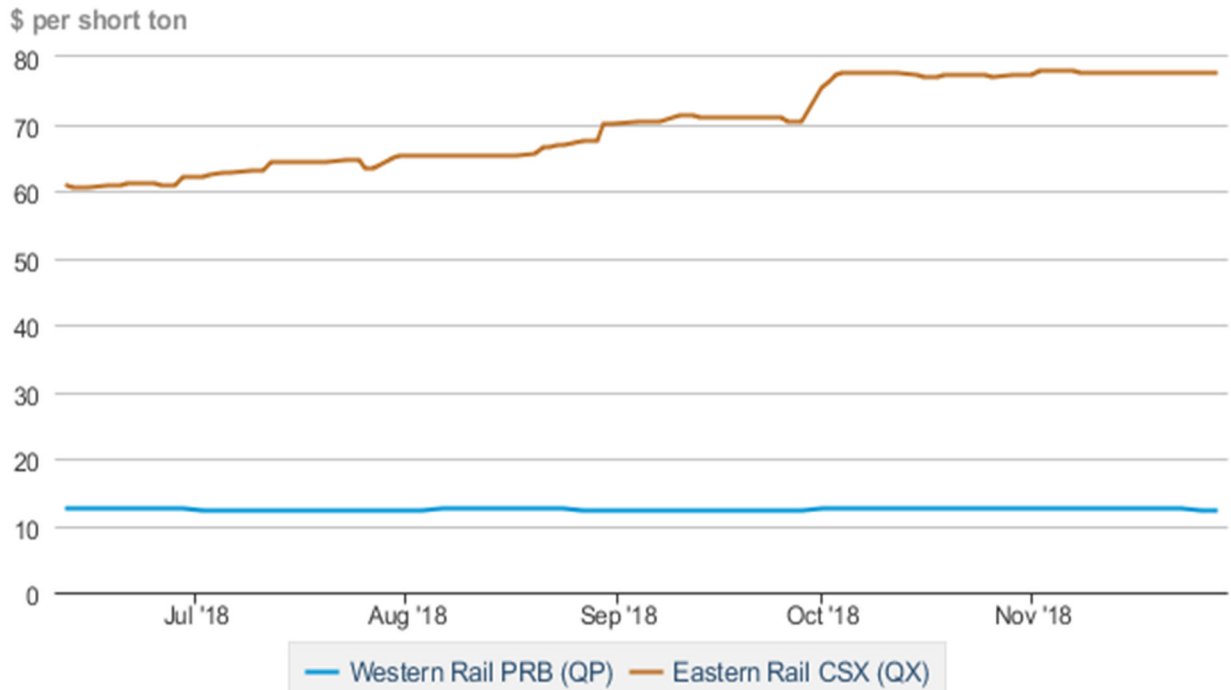
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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.

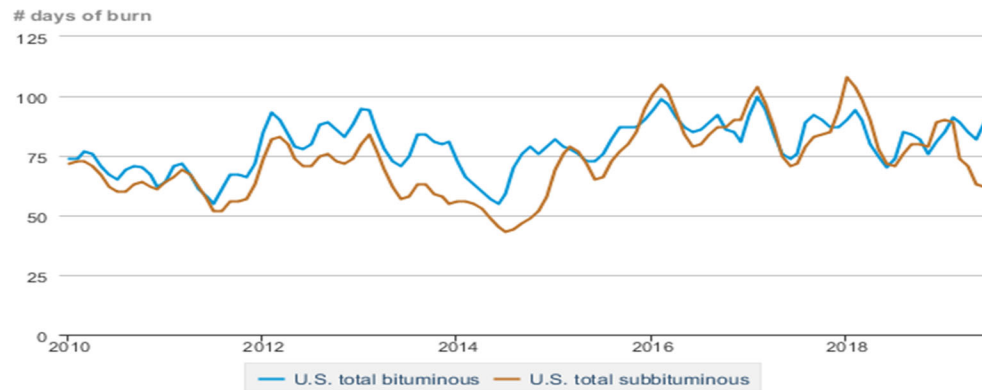
Source: Energy Information Administration **Note: EIA has discontinued reporting NYMEX coal Futures price data.**

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	08/09/19	08/16/19	08/23/19	08/30/19	09/06/19	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$65.80	\$62.05	\$60.30	\$62.15	\$62.15	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$49.80	\$49.80	\$49.80	\$51.35	\$51.35	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$39.10	\$39.10	\$39.10	\$39.10	\$39.10	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$12.05	\$12.05	\$12.10	\$12.25	\$12.25	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$34.85	\$34.85	\$34.85	\$34.70	\$34.70	\$0.00

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*

Temperature – heating & cooling degree days (week ending Aug 29)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	14	7	12	13	-10	-39
Middle Atlantic	5	1	4	15	-21	-49
E N Central	13	5	8	17	-18	-43
W N Central	11	0	3	34	-13	-26
South Atlantic	0	0	0	81	-1	-8
E S Central	0	0	0	77	0	-10
W S Central	0	0	0	128	16	-9
Mountain	2	-12	-4	81	19	17
Pacific	0	-6	-3	68	27	34
United States	5	0	2	58	1	-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

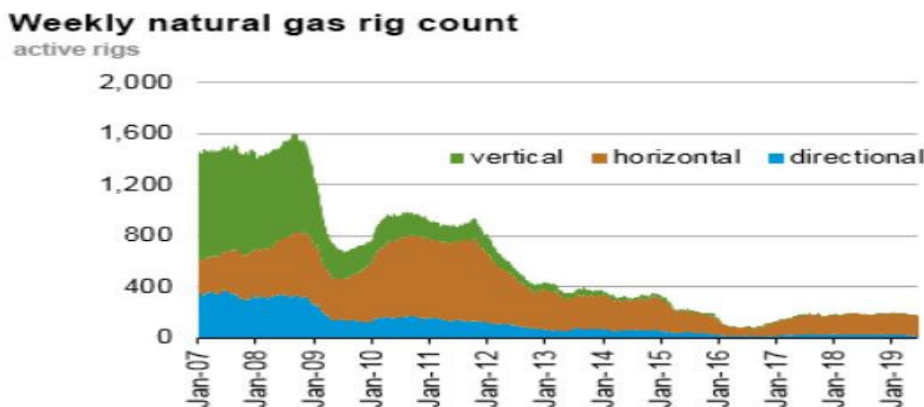
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2019-08-30	2019-08-23	change
East	714	682	32
Midwest	827	790	37
Mountain	177	173	4
Pacific	276	278	-2
South Central	947	934	13
Total	2,941	2,857	84

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		
	August 2019	September 2019	change	August 2019	September 2019	change
Anadarko	471	481	10	2,951	2,968	17
Appalachia	147	149	2	18,213	18,238	25
Bakken	1,425	1,437	12	2,092	2,138	46
Eagle Ford	1,361	1,366	5	4,864	4,882	18
Haynesville	26	26	-	10,122	10,128	6
Niobrara	1,231	1,234	3	4,280	4,293	13
Permian	684	768	84	1,244	1,426	182
Rig-weighted average	720	767	47	4,104	4,175	71

Source: Energy Information Administration, *Drilling Productivity Report*