

National Mining Association

Weekly Statistical Summary

March 20, 2020 Edition
(Data for Week Ending March 14, 2020)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 58, No. 11
Dated 03/20/20

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/14/20	03/16/19	% Chng	03/14/20	03/14/19	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	9,999	13,109	-23.7%	124,371	151,295	-17.8%
52 Weeks Ended	674,665	752,989	-10.4%			
AAR Coal Rail Cars Loaded:	55,542	72,190	-23.1%	686,381	834,464	-17.7%
Coal Production Month Ended - Feb.	February 2019		% Chng	Jan - Feb 2019		% Chng
	47,568	58,224	-18.3%	103,811	123,956	-16.3%
DOC Coal Trade (000 Tons)						
Exports:	January 2019			Jan - Jan 2019		
			% Chng			% Chng
Metallurgical	3,825	4,791	-20.2%	3,825	4,791	-20.2%
Steam Bit. *	2,404	4,441	-45.9%	2,404	4,441	-45.9%
Lignite	10	8	25.0%	10	8	25.0%
Anthracite	3	51	-94.1%	3	51	-94.1%
Total	6,242	9,291	-32.8%	6,242	9,291	-32.8%
Imports:	535	625	-14.4%	535	625	-14.4%
	Week Ended			Cumulative Week 1 to		
	03/14/20	03/16/19	% Chng	03/14/20	03/16/19	% Chng
EI Electric Total Output (Mil. Kwh)	69,145	70,792	-2.3%	822,637	857,672	-4.1%
EI Coal Region Output (Mil. Kwh)	59,109	60,659	-2.6%	707,628	737,738	-4.1%
AISI Raw Steel Output (000 Tons)	1,878	1,913	-1.8%	20,131	20,055	0.4%

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)	
	03/13/20	03/06/20	% Chng	Wed.	03/11/20
Central App, 12,500 Btu, 1.2 SO ₂	\$58.00	\$58.00	0.0%	Henry Hub	1.92
Northern App, 13,000 Btu, < 3.0 SO ₂	44.05	44.05	0.0%	New York	1.69
Illinois Basin, 11,800, 5.0 SO ₂	33.45	33.45	0.0%	Chicago	1.79
Powder River Basin, 8,800 Btu 0.8 SO ₂	11.60	11.60	0.0%	Cal.Comp.Avg.	2.24
Uinta Basin, 11,700 Btu, 0.8 SO ₂	30.90	30.90	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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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		
	3/14/2020 (week 11)	3/7/2020 (week 10)	3/16/2019 (week 11)	3/14/2020	3/14/2019	% Change	3/14/2020	3/16/2019	% Change
Alabama	216	226	279	2,703	3,221	-16.1	13,533	14,798	-8.5
Alaska	16	17	18	205	212	-3.5	962	920	4.6
Arizona	.	.	110	.	1,267	-100.0	2,545	6,562	-61.2
Colorado	174	171	255	2,142	2,938	-27.1	11,637	14,276	-18.5
Illinois	661	718	951	8,675	10,970	-20.9	42,983	50,086	-14.2
Indiana	471	485	650	6,015	7,499	-19.8	30,232	35,203	-14.1
Kentucky Total	532	551	732	6,697	8,443	-20.7	34,032	39,754	-14.4
Eastern (KY)	192	200	285	2,446	3,291	-25.7	12,685	16,667	-23.9
Western (KY)	340	351	446	4,251	5,153	-17.5	21,347	23,087	-7.5
Louisiana	15	19	17	192	196	-1.8	1,400	1,489	-6.0
Maryland	25	26	28	299	320	-6.5	1,450	1,306	11.0
Mississippi	35	41	44	448	502	-10.7	2,631	2,915	-9.7
Missouri	2	3	4	31	42	-25.8	177	248	-28.6
Montana	437	488	517	5,581	5,968	-6.5	33,936	37,093	-8.5
New Mexico	267	275	272	3,344	3,142	6.4	14,868	12,306	20.8
North Dakota	356	399	526	4,498	6,068	-25.9	25,280	29,513	-14.3
Ohio	113	128	142	1,468	1,635	-10.2	7,572	8,604	-12.0
Oklahoma	3	3	5	37	54	-31.0	209	661	-68.4
Pennsylvania Total	736	792	912	9,160	10,530	-13.0	48,375	50,643	-4.5
Anthracite (PA)	42	40	38	489	439	11.3	2,631	1,978	33.0
Bituminous (PA)	694	752	874	8,672	10,091	-14.1	45,744	48,665	-6.0
Tennessee	5	6	5	69	60	15.6	444	239	85.8
Texas	330	322	471	3,978	5,433	-26.8	21,720	25,279	-14.1
Utah	238	246	304	2,980	3,504	-15.0	13,808	14,128	-2.3
Virginia	180	190	230	2,224	2,653	-16.2	11,954	12,903	-7.4
West Virginia Total	1,373	1,443	1,739	17,066	20,071	-15.0	89,386	96,278	-7.2
Northern (WV)	710	760	888	8,977	10,243	-12.4	45,570	47,216	-3.5
Southern (WV)	663	683	852	8,089	9,829	-17.7	43,816	49,062	-10.7
Wyoming	3,814	4,015	4,901	46,559	56,568	-17.7	265,527	297,786	-10.8
Appalachian Total	2,840	3,010	3,620	35,435	41,782	-15.2	185,399	201,437	-8.0
Interior Total	1,857	1,941	2,586	23,627	29,847	-20.8	120,702	138,968	-13.1
Western Total	5,302	5,611	6,903	65,309	79,666	-18.0	368,564	412,584	-10.7
East of Mississippi River	4,346	4,605	5,711	54,824	65,905	-16.8	282,593	312,728	-9.6
West of Mississippi River	5,652	5,957	7,399	69,548	85,390	-18.6	392,071	440,261	-10.9
Bituminous and Lignite	9,957	10,522	13,071	123,883	150,856	-17.9	672,033	751,011	-10.5
Anthracite	42	40	38	489	439	11.3	2,631	1,978	33.0
U.S. Total	9,999	10,562	13,109	124,371	151,295	-17.8	674,665	752,989	-10.4
Railroad Cars Loaded	55,542	58,659	72,190	686,381	834,464	-17.7	3,842,307	4,360,873	-11.9

Source: Energy Information Administration



Weekly Electric Output

Volume 88 No. 11

OUTPUT FOR WEEK ENDED - Mar 14, 2020

Mar 18, 2020

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Mar 14, 2020** was **69,145** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **175** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended March 14		52 Weeks Ended March 14	
	GWh Output	% Increase Over Corresponding Week of 2019	GWh Output	% Increase Over Corresponding Period of 2019
New England	1,995	-7.8	115,380	-5.4
Mid-Atlantic	7,092	-6.2	421,965	-4.1
Central Industrial	11,762	-5.8	651,037	-4.9
West Central	5,635	-5.2	326,163	-3.8
Southeast	16,901	-3.4	1,017,617	-2.5
South Central	12,858	3.9	768,122	0.8
Rocky Mountain	4,861	1.4	285,066	0.5
Pacific Northwest	3,345	-0.9	155,012	-2.0
Pacific Southwest	4,696	2.2	267,471	-3.0
Total United States	69,145	-2.3	4,007,832	-2.5

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2020	Week Ended	2019	% Inc. (20/19)	52 Weeks Ended	2020	% Inc. (20/19)
Feb 22	76,354	Feb 23	78,684	-3.0	Feb 22	4,020,422	-1.9
Feb 29	74,610	Mar 02	76,183	-2.1	Feb 29	4,018,849	-2.0
Mar 07	72,083	Mar 09	81,453	-11.5	Mar 07	4,009,480	-2.5
Mar 14	69,145	Mar 16	70,792	-2.3	Mar 14	4,007,833	-2.5
Mar 14	822,637	Mar 16	857,672	-4.1	YEAR TO DATE, FIRST 11 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2020	Week Ended	2019	Week Ended	2018
Feb 22	179	Feb 23	180	Feb 24	160
Feb 29	178	Mar 02	177	Mar 03	166
Mar 07	172	Mar 09	191	Mar 10	172
Mar 14	175	Mar 16	174	Mar 17	179

* 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-Mar 2020 GWh Output	16-Mar 2019 GWh Output	% Increase Over Corresponding Week	14-Mar 2020 GWh Output	16-Mar 2019 GWh Output	% Increase Over Corresponding Week	14-Mar 2020 GWh Output	16-Mar 2019 GWh Output	% Increase Over Corresponding Week
New England	1,995	2,164	-7.8%	24,726	26,481	-6.6%	115,380	122,000	-5.4%
Mid-Atlantic	7,092	7,561	-6.2%	88,021	94,572	-6.9%	421,965	440,178	-4.1%
Central Industrial	11,762	12,482	-5.8%	140,283	149,722	-6.3%	651,037	684,482	-4.9%
West Central	5,635	5,943	-5.2%	68,248	71,956	-5.2%	326,163	339,026	-3.8%
Southeast	16,901	17,501	-3.4%	206,048	215,875	-4.6%	1,017,617	1,043,410	-2.5%
South Central	12,858	12,379	3.9%	145,718	147,482	-1.2%	768,122	761,984	0.8%
Rocky Mountain	4,861	4,793	1.4%	59,310	58,131	2.0%	285,066	283,595	0.5%
Pacific Northwest	3,345	3,375	-0.9%	38,222	40,713	-6.1%	155,012	158,140	-2.0%
Pacific Southwest	4,696	4,594	2.2%	52,060	52,741	-1.3%	267,471	275,696	-3.0%
Total United States ^{1/}	69,145	70,792	-2.3%	822,636	857,673	-4.1%	4,007,833	4,108,511	-2.5%
Coal Regions Only ^{2/}	59,109	60,659	-2.6%	707,628	737,738	-4.1%	3,469,970	3,552,675	-2.3%

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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March 16, 2020

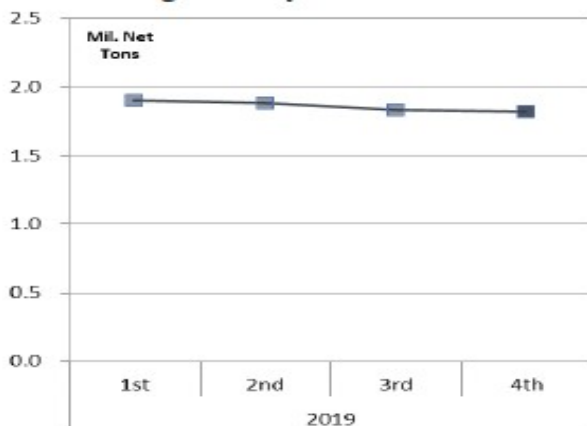
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Mar 14</u>	<u>Week Ending Mar 7</u>	
<u>Week Ending</u>				North East	225	237
				Great Lakes	689	687
March 14, 2020	1,878	-1.3	80.5	Midwest	202	202
March 14, 2019	1,913	-1.8	82.2	Southern	707	704
March 7, 2020	1,903	-1.0	81.6	Western	55	73
				Total	1,878	1,903
<u>Year-to-Date +</u>						
March 14, 2020	20,131	0.4	81.7			
March 14, 2019	20,055	-	81.6			

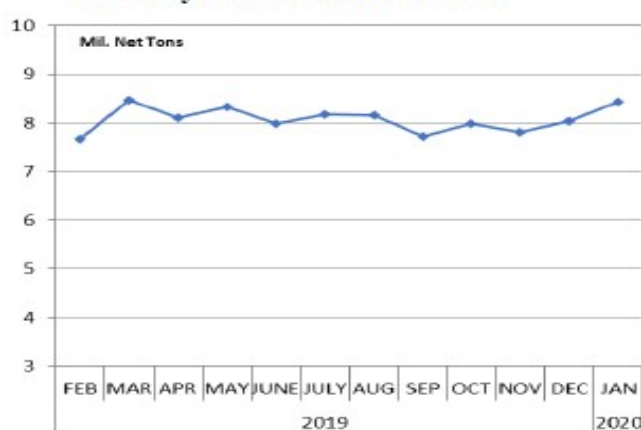
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 first quarter 2020 is approximately 30.3 million net tons vs. 29.9 million net tons for the same period last year, and 30.4 million tons for the fourth quarter of 2019.

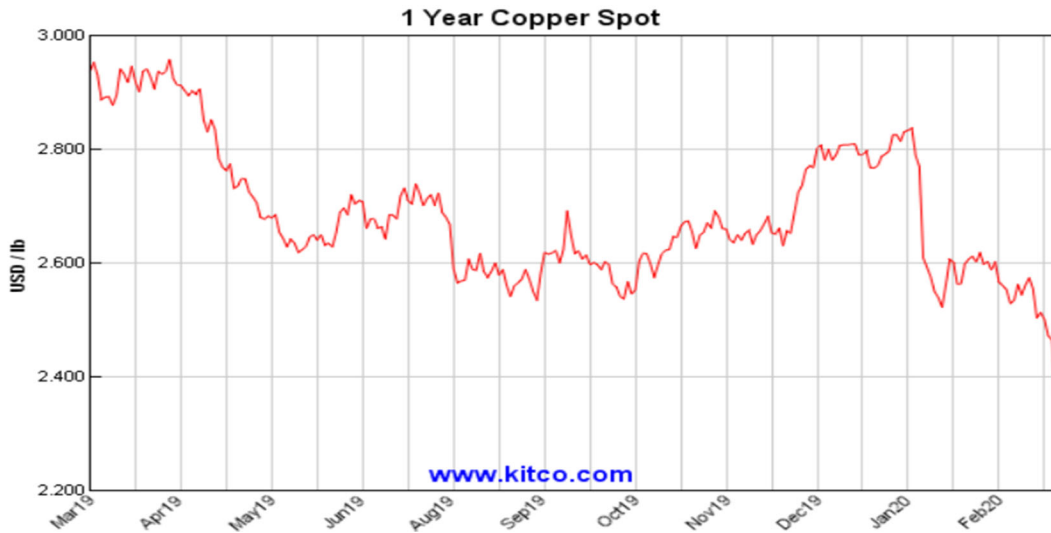
Average Weekly Raw Steel Production



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

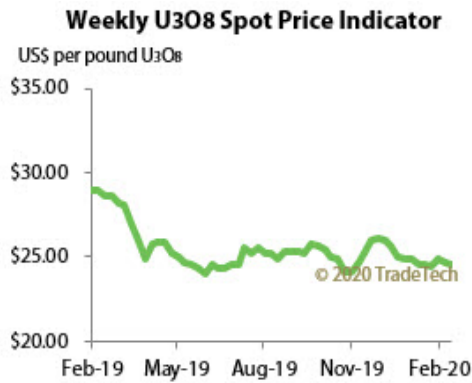
U.S. Rail Traffic¹
 Week 11, 2020 – Ended March 14, 2020

	This Week		Year-To-Date		
	Cars	vs 2019	Cumulative	Avg/wk ²	vs 2019
Total Carloads	226,039	-5.9%	2,549,159	231,742	-6.2%
Chemicals	33,012	3.6%	360,417	32,765	2.9%
Coal	55,542	-23.0%	716,466	65,133	-18.1%
Farm Products excl. Grain, and Food	15,854	1.6%	174,000	15,818	2.0%
Forest Products	9,842	-1.7%	107,399	9,764	-2.9%
Grain	19,911	6.9%	217,778	19,798	-6.5%
Metallic Ores and Metals	19,975	-4.7%	228,660	20,787	0.1%
Motor Vehicles and Parts	19,104	6.6%	175,314	15,938	-0.4%
Nonmetallic Minerals	30,254	-7.5%	316,940	28,813	-5.6%
Petroleum and Petroleum Products	13,294	9.6%	145,168	13,197	5.4%
Other	9,251	12.4%	107,017	9,729	6.6%
Total Intermodal Units	236,978	-9.1%	2,712,444	246,586	-7.8%
Total Traffic	463,017	-7.6%	5,261,603	478,328	-7.0%

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.

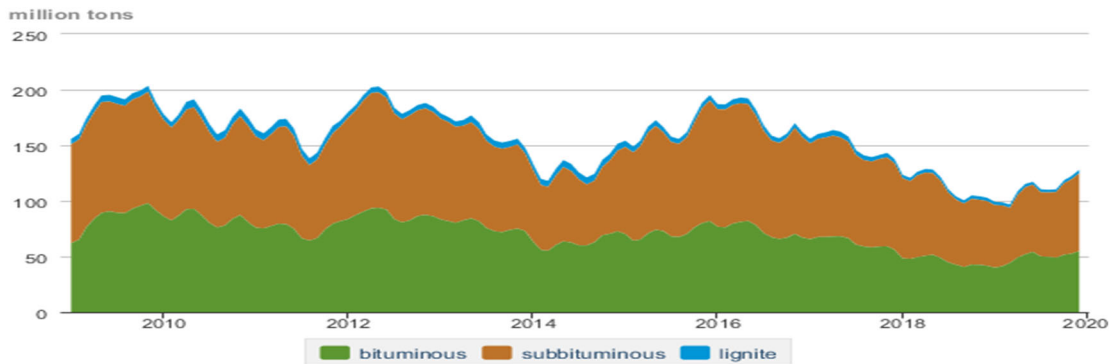
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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 - December 2019

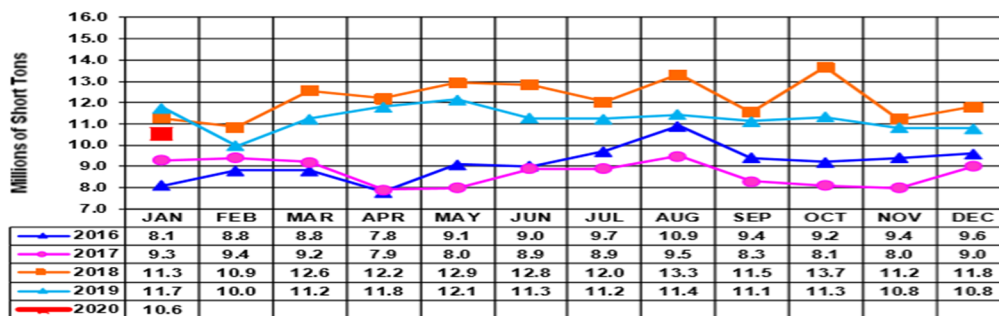


Source: U.S. Energy Information Administration

Source: Energy Information Administration, Electric Monthly Update

Source: Energy Information Administration, Electric Monthly Update

Coal and Coke Monthly Indicator for Internal U.S. Waterways



For the Internal U.S. Waterway Monthly Indicators, estimates for the most recent month are based on lock performance management data. The estimates will be superseded by actual data as it becomes available.

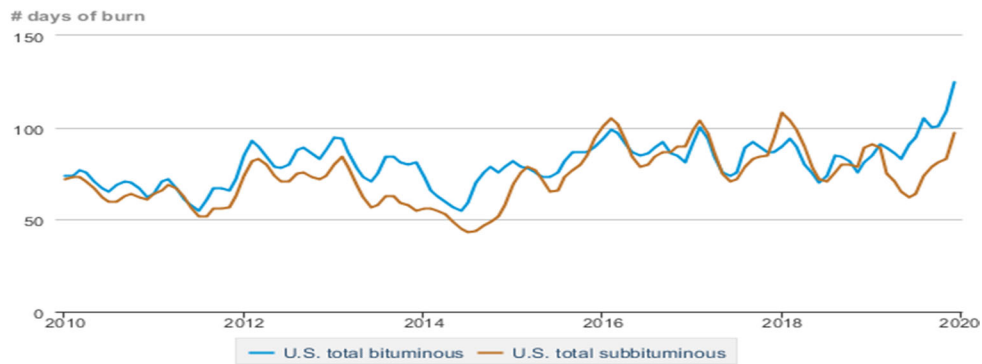
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	02/14/20	02/21/20	02/28/20	03/06/20	03/13/20	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$59.15	\$59.15	\$58.00	\$58.00	\$58.00	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$45.50	\$45.50	\$44.05	\$44.05	\$44.05	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$33.85	\$33.85	\$33.45	\$33.45	\$33.45	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$11.65	\$11.65	\$11.60	\$11.60	\$11.60	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$31.00	\$31.00	\$30.90	\$30.90	\$30.90	\$0.00

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

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



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Mar 05)

Region	HDD Current	HDD deviation from:		CDD Current	CDD deviation from:	
		normal	last year		normal	last year
New England	198	-32	-75	0	0	0
Middle Atlantic	187	-30	-78	0	0	0
E N Central	209	-22	-110	0	-1	0
W N Central	191	-40	-181	0	0	0
South Atlantic	128	-6	-22	10	0	-2
E S Central	108	-21	-68	0	-3	0
W S Central	55	-27	-103	11	2	10
Mountain	163	-14	-38	0	-1	-1
Pacific	81	-15	-27	0	-1	0
United States	150	-22	-79	3	0	1

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

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


USGS Production of Selected Mineral Commodities	2019 Year to Date - 3rd Quarter	2018 Year to Date - 3rd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	628.0	624.0	1%
Cement (Mil. Mt.)	66.0	64.5	2%
Copper (000 Mt.)	958.0	912.0	5%
Gold (Mt.)	149.0	165.0	-10%
Gypsum (Mil. Mt.)	13.1	12.8	2%
Iron Ore (Mil. Mt.)	35.6	36.4	-2%
Lead (000 Mt.)	207.0	199.0	4%
Molybdenum (000 Mt.)	31.6	30.7	3%
Phosphate rock (Mil. Mt.)	17.5	20.2	-13%
Sand & gravel, construction (Mil. Mt.)	727.0	704.0	3%
Silver (Mt.)	786.0	678.0	16%
Soda ash (Mil. Mt.)	8.7	8.8	-1%
Stone, crushed (Mil. Mt.)	1,140.0	1,060.0	8%
Zinc (000 Mt.)	565.0	594.0	-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	December 2019		December 2018		% Change of Stocks	November 2019		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	4,185	210	3,374	131	24.0%	4,018	201	4.1%
	Subbituminous	162	306	116	225	38.7%	162	144	0.0%
South	Bituminous	24,142	128	19,274	83	25.3%	22,887	113	5.5%
	Subbituminous	6,868	94	4,570	57	50.3%	5,709	67	20.3%
Midwest	Bituminous	11,892	95	8,267	64	43.8%	11,527	86	3.2%
	Subbituminous	25,691	109	28,019	109	-8.3%	25,709	99	-0.1%
West	Bituminous	3,463	150	3,706	87	-6.6%	3,184	116	8.8%
	Subbituminous	23,027	86	18,455	74	24.8%	22,412	72	2.7%
U.S. Total	Bituminous	43,682	125	34,622	81	26.2%	41,616	109	5.0%
	Subbituminous	55,748	97	51,161	89	9.0%	53,991	83	3.3%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

Working gas in underground storage

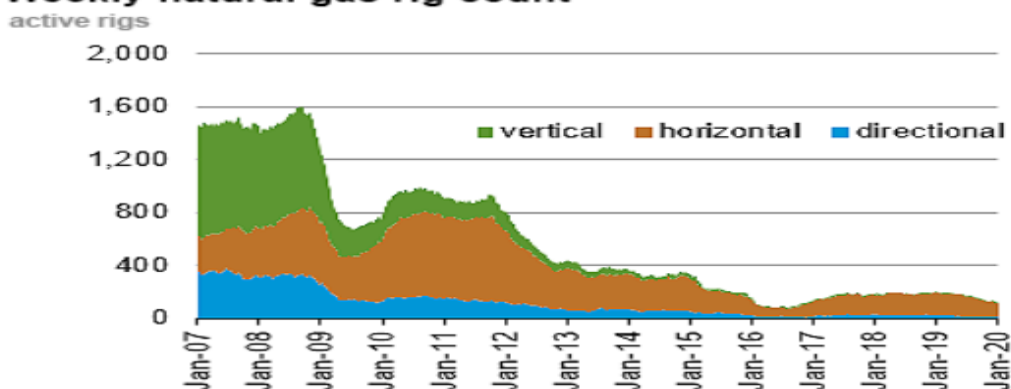
Region	Stocks billion cubic feet (Bcf)		
	2020-03-06	2020-02-28	change
East	426	451	-25
Midwest	529	558	-29
Mountain	97	101	-4
Pacific	200	197	3
South Central	791	784	7
Total	2,043	2,091	-48

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



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		
	March 2020	April 2020	change	March 2020	April 2020	change
Anadarko	744	775	31	4,446	4,572	126
Appalachia	138	146	8	15,250	15,550	300
Bakken	1,384	1,397	13	2,064	2,092	28
Eagle Ford	1,448	1,467	19	4,936	4,956	20
Haynesville	24	24	-	10,314	10,345	31
Niobrara	1,233	1,237	4	4,286	4,309	23
Permian	807	807	-	1,580	1,580	-
Rig-weighted average	842	856	14	3,846	3,809	(37)

Source: Energy Information Administration, *Drilling Productivity Report*