
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

November 19, 2021 Edition
(Data for Week Ending November 13, 2021)

Prepared by
National Mining Association



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

NMA Weekly Statistical Summary

Vol. 59, No. 46
Dated 11/19/21

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/13/21	11/14/20	% Chng	11/13/21	11/13/20	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,639	10,312	12.9%	507,547	465,325	9.1%
52 Weeks Ended	576,316	544,916	5.8%			
AAR Coal Rail Cars Loaded:	67,225	60,414	11.3%	2,894,296	2,612,197	10.8%
Coal Production	October 21/20		% Chng	Jan - Oct 21/20		% Chng
Month Ended - October	49,348	44,988	9.7%	485,736	446,286	8.8%
DOC Coal Trade (000 Tons)						
Exports:	Sep 21/20		% Chng	Jan - Sep 21/20		% Chng
Metallurgical	3,741	3,543	5.6%	33,429	30,855	8.3%
Steam Bit. *	2,758	1,820	51.5%	29,874	18,970	57.5%
Lignite	6	10	-40.0%	57	70	-18.6%
Anthracite	14	5	180.0%	235	158	48.7%
Total	6,519	5,378	21.2%	63,595	50,053	27.1%
Imports:	202	501	-59.7%	3,739	3,773	-0.9%
	Week Ended			Cumulative Week 1 to		
	11/13/21	11/14/20	% Chng	11/13/21	11/14/20	% Chng
EEl Electric Total Output (Mil. Kwh)	69,510	69,222	0.4%	3,586,373	3,478,659	3.1%
EEl Coal Region Output (Mil. Kwh)	59,620	59,292	0.6%	3,107,477	3,006,474	3.4%
AISI Raw Steel Output (000 Tons)	1,856	1,621	14.5%	82,576	68,811	20.0%

EIA (S&P Global) AVERAGE COAL & NATURAL GAS SPOT PRICES Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	11/12/21	11/05/21	% Chng	Wed.	11/03/21
Central App, 12,500 Btu, 1.2 SO ₂	\$89.75	\$79.05	13.5%	Henry Hub	5.59
Northern App, 13,000 Btu, < 3.0 SO ₂	72.00	67.15	7.2%	New York	5.57
Illinois Basin, 11,800, 5.0 SO ₂	43.40	39.65	9.5%	Chicago	5.54
Powder River Basin, 8,800 Btu 0.8 SO ₂	30.70	14.14	117.1%	Cal.Comp.Avg.	5.71
Uinta Basin, 11,700 Btu, 0.8 SO ₂	33.15	31.00	6.9%		

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; S&P Global; 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)	11/13/2021 (week 46)	11/6/2021 (week 45)	11/14/2020 (week 46)	11/13/2021	11/13/2020	% Change	11/13/2021	11/14/2020	% Change
Alabama	219	220	210	10,018	10,723	-6.6	11,419	12,165	-6.1
Alaska	26	25	21	1,020	878	16.2	1,160	995	16.6
Colorado	209	213	199	9,214	8,680	6.2	10,543	10,063	4.8
Illinois	799	814	610	35,683	27,624	29.2	39,749	32,040	24.1
Indiana	356	355	351	16,584	17,559	-5.6	18,921	20,939	-9.6
Kentucky Total	556	553	475	23,588	20,985	12.4	26,758	24,669	8.5
Eastern (KY)	190	186	160	8,367	7,215	16.0	9,436	8,546	10.4
Western (KY)	367	367	315	15,221	13,769	10.5	17,323	16,123	7.4
Louisiana	5	5	6	224	633	-64.5	267	789	-66.2
Maryland	24	22	20	1,049	1,016	3.2	1,184	1,185	-0.1
Mississippi	58	53	27	2,906	2,403	20.9	3,086	2,688	14.8
Missouri	2	2	3	89	139	-35.9	108	159	-32.1
Montana	536	540	519	23,515	22,890	2.7	26,979	26,904	0.3
New Mexico	166	170	165	7,998	9,127	-12.4	9,098	10,755	-15.4
North Dakota	552	552	492	24,445	23,093	5.9	27,726	26,470	4.7
Ohio	53	54	60	2,369	3,177	-25.4	2,771	3,959	-30.0
Oklahoma	.	.	.	.	1	-100.0	.	23	.
Pennsylvania Total	970	921	750	39,486	31,227	26.4	44,487	37,248	19.4
Anthracite (PA)	41	40	43	1,842	2,082	-11.5	2,127	2,452	-13.3
Bituminous (PA)	930	880	707	37,643	29,145	29.2	42,360	34,796	21.7
Tennessee	.	.	.	.	92	-100.0	.	145	.
Texas	327	351	368	15,226	17,180	-11.4	17,680	19,762	-10.5
Utah	263	266	244	11,799	11,506	2.5	13,425	13,040	3.0
Virginia	221	218	203	9,254	8,450	9.5	10,604	9,816	8.0
West Virginia Total	1,618	1,597	1,326	69,853	58,363	19.7	78,698	68,535	14.8
Northern (WV)	1,023	996	791	41,358	31,792	30.1	46,632	37,111	25.7
Southern (WV)	595	601	535	28,495	26,571	7.2	32,066	31,423	2.0
Wyoming	4,681	4,628	4,262	203,229	189,580	7.2	231,651	222,568	4.1
Appalachian Total	3,294	3,217	2,730	140,395	120,262	16.7	158,600	141,598	12.0
Interior Total	1,913	1,947	1,680	85,933	79,309	8.4	97,135	92,522	5.0
Western Total	6,432	6,394	5,902	281,219	265,754	5.8	320,582	310,796	3.1
East of Mississippi River	4,874	4,806	4,032	210,789	181,619	16.1	237,679	213,388	11.4
West of Mississippi River	6,765	6,752	6,280	296,758	283,706	4.6	338,637	331,528	2.1
Bituminous and Lignite	11,599	11,518	10,269	505,705	463,243	9.2	574,188	542,464	5.8
Anthracite	41	40	43	1,842	2,082	-11.5	2,127	2,452	-13.3
U.S. Total	11,639	11,558	10,312	507,547	465,325	9.1	576,316	544,916	5.8
Railroad Cars Loaded	67,225	66,745	60,414	2,894,296	2,612,197	10.8	3,299,608	3,071,059	7.4

Source: Energy Information Administration



Weekly Electric Output

Volume 89 No. 46

OUTPUT FOR WEEK ENDED - Nov 13, 2021

Nov 17, 2021

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Nov 13, 2021** was **69,510** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **166** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended November 13		52 Weeks Ended November 13	
	GWh Output	% Increase Over Corresponding Week of 2020	GWh Output	% Increase Over Corresponding Period of 2020
New England	2,002	0.0	116,024	1.1
Mid-Atlantic	7,042	2.6	418,418	1.7
Central Industrial	11,301	2.6	650,642	2.9
West Central	5,894	1.2	334,095	3.9
Southeast	17,280	0.7	1,016,373	3.6
South Central	12,951	-1.7	777,775	3.0
Rocky Mountain	5,152	-2.0	292,942	1.9
Pacific Northwest	3,037	-7.0	157,934	2.3
Pacific Southwest	4,851	4.1	267,319	0.0
Total United States	69,510	0.4	4,031,522	2.7

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2021	Week Ended	2020	% Inc. (21/20)	52 Weeks Ended	2021	% Inc. (21/20)
Oct 23	68,303	Oct 24	70,046	-2.5	Oct 23	4,030,113	2.3
Oct 30	69,278	Oct 31	69,502	-0.3	Oct 30	4,029,889	2.4
Nov 06	70,190	Nov 07	68,843	2.0	Nov 06	4,031,235	2.5
Nov 13	69,510	Nov 14	69,222	0.4	Nov 13	4,031,523	2.7
Nov 13	3,586,373	Nov 14	3,478,659	3.1	YEAR TO DATE, FIRST 46 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2021	Week Ended	2020	Week Ended	2019
Oct 23	175	Oct 24	177	Oct 26	173
Oct 30	177	Oct 31	175	Nov 02	180
Nov 06	173	Nov 07	178	Nov 09	188
Nov 13	166	Nov 14	174	Nov 16	195

* Excludes Alaska and Hawaii.

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

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**EI WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)**

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	13-Nov 2021 GWh Output	14-Nov 2020 GWh Output	% Increase Over Corresponding Week	13-Nov 2021 GWh Output	14-Nov 2020 GWh Output	% Increase Over Corresponding Week	13-Nov 2021 GWh Output	14-Nov 2020 GWh Output	% Increase Over Corresponding Week
New England	2,002	2,003	0.0%	102,480	100,761	1.7%	116,024	114,783	1.1%
Mid-Atlantic	7,042	6,862	2.6%	371,853	362,111	2.7%	418,418	411,490	1.7%
Central Industrial	11,301	11,018	2.6%	577,855	557,918	3.6%	650,642	632,586	2.9%
West Central	5,894	5,824	1.2%	297,349	284,255	4.6%	334,095	321,611	3.9%
Southeast	17,280	17,152	0.7%	903,847	872,392	3.6%	1,016,373	981,496	3.6%
South Central	12,951	13,176	-1.7%	696,317	675,400	3.1%	777,775	755,200	3.0%
Rocky Mountain	5,152	5,260	-2.1%	260,256	254,398	2.3%	292,942	287,566	1.9%
Pacific Northwest	3,037	3,266	-7.0%	137,769	133,637	3.1%	157,934	154,421	2.3%
Pacific Southwest	4,851	4,661	4.1%	238,652	237,787	0.4%	267,319	267,426	0.0%
Total United States ^{1/}	69,510	69,222	0.4%	3,586,378	3,478,659	3.1%	4,031,522	3,926,579	2.7%
Coal Regions Only ^{2/}	59,620	59,292	0.6%	3,107,477	3,006,474	3.4%	3,490,245	3,389,949	3.0%

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

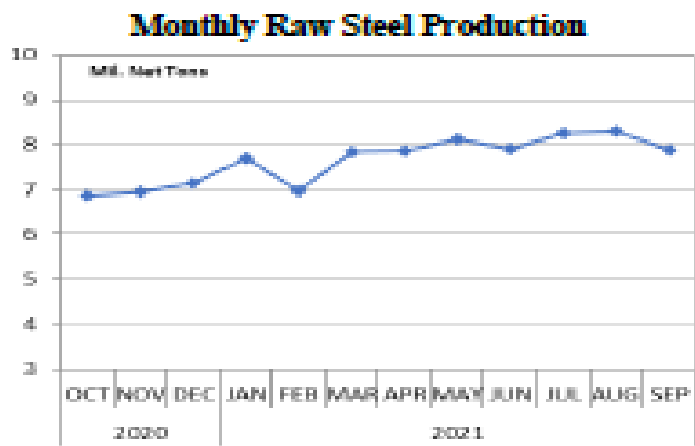
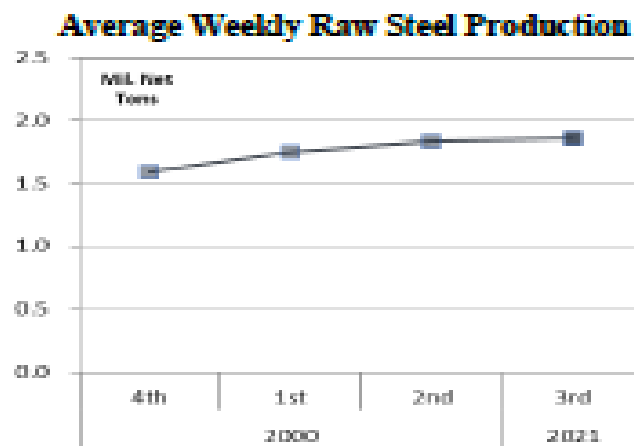
November 15, 2021

ESTIMATED WEEKLY RAW STEEL* PRODUCTION

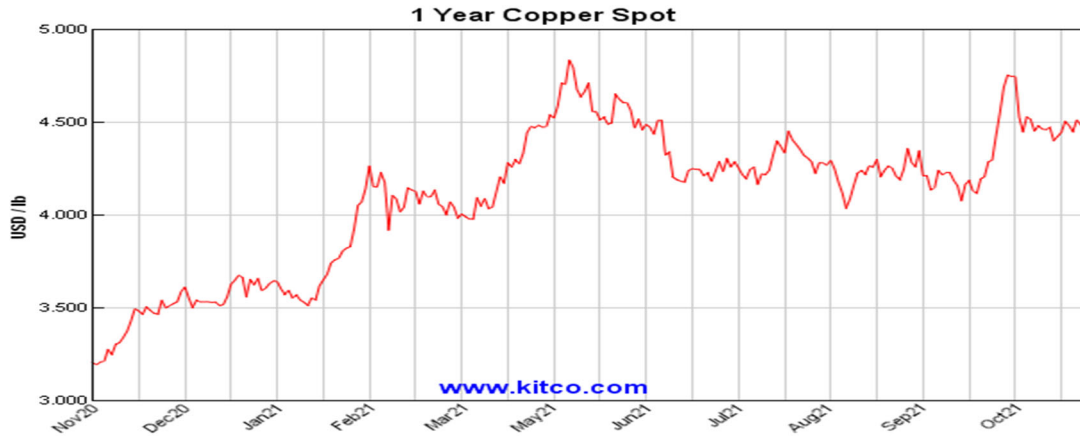
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capacity Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
				<u>Nov 13</u>	<u>Nov 6</u>	
<u>Week Ending</u>				North East	177	176
				Great Lakes	619	612
November 13, 2021	1,856	0.8	84.1	Midwest	203	199
November 13, 2020	1,621	14.5	73.3	Southern	782	776
November 6, 2021	1,841	-1.0	83.4	Western	75	78
				Total	1,856	1,841
<u>Year-to-Date +</u>						
November 13, 2021	82,576	20.0	81.5			
November 13, 2020	68,811	-	67.7			

*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 2021 is approximately 29.0 million net tons. Given the large number of changes to steelmaking capability and the evolving market, AISI is updating the capacity statistics.



*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

U.S. Rail Traffic¹
Week 45, 2021 – Ended November 13, 2021

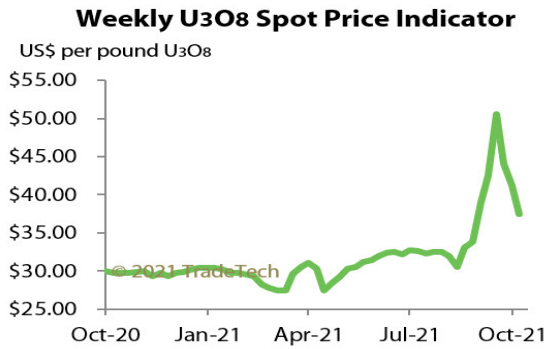
	This Week		Year-To-Date		
	Cars	vs 2020	Cumulative	Avg/wk ²	vs 2020
Total Carloads	235,867	1.7%	10,428,104	231,736	7.2%
Chemicals	33,513	4.9%	1,459,077	32,424	5.6%
Coal	67,225	11.5%	2,879,970	63,999	11.6%
Farm Products excl. Grain, and Food	16,480	0.7%	711,372	15,808	2.3%
Forest Products	9,854	6.7%	451,487	10,033	8.1%
Grain	25,336	-13.0%	1,043,289	23,184	5.3%
Metallic Ores and Metals	20,236	3.3%	1,018,565	22,635	25.6%
Motor Vehicles and Parts	12,690	-18.1%	581,349	12,919	1.3%
Nonmetallic Minerals	30,983	6.6%	1,365,532	30,345	1.0%
Petroleum and Petroleum Products	10,136	-5.5%	472,405	10,498	-3.9%
Other	9,414	-7.2%	445,058	9,890	3.2%
Total Intermodal Units	266,746	-9.7%	12,424,895	276,109	7.2%
Total Traffic	502,613	-4.7%	22,852,999	507,844	7.2%

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.

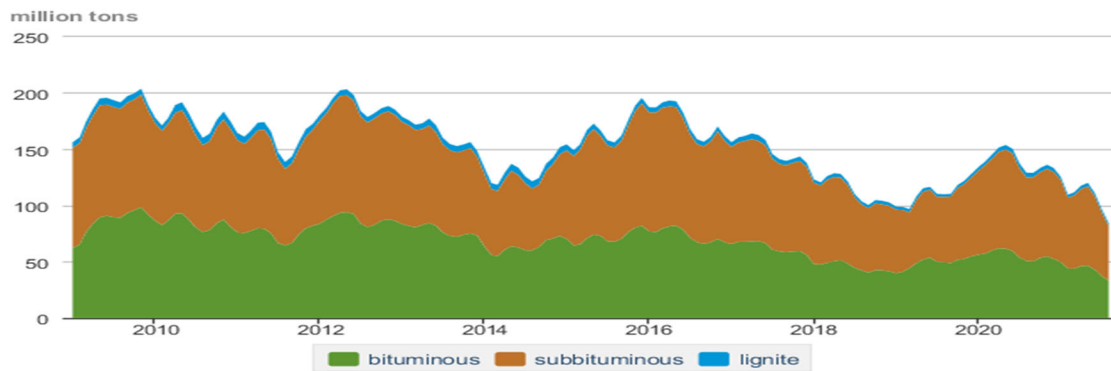
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

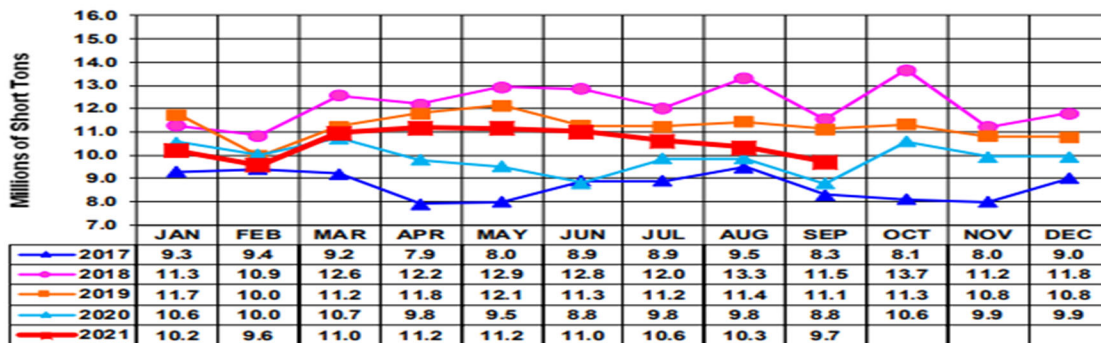
Coal stocks by type, January 2009 - August 2021



Source: U.S. Energy Information Administration

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.

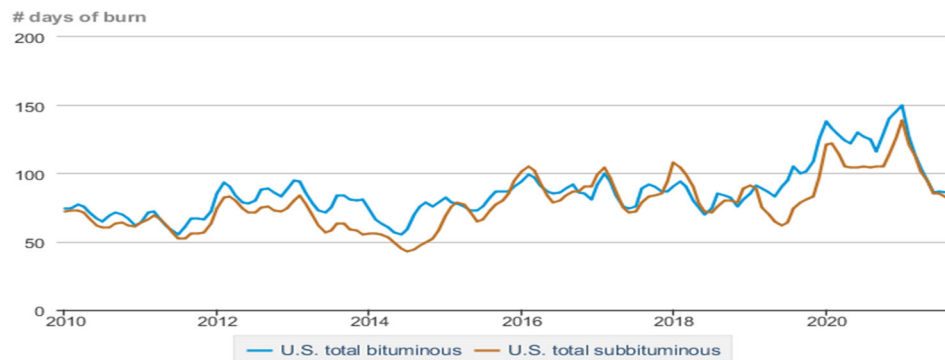
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	10/15/21	10/22/21	10/29/21	11/05/21	11/12/21	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$75.50	\$75.50	\$79.05	\$79.05	\$89.75	\$10.70
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$64.40	\$64.40	\$67.15	\$67.15	\$72.00	\$4.85
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$36.25	\$36.25	\$39.65	\$39.65	\$43.40	\$3.75
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$13.25	\$13.25	\$14.40	\$14.40	\$30.70	\$16.30
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$30.05	\$30.05	\$31.00	\$31.00	\$33.15	\$2.15

Source: Energy Information Administration (with permission from S&P Global), *Coal Market Report*

Days of burn by non-lignite coal rank, January 2010 - August 2021



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Oct 28)

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	91	-29	24	0	0	0
Middle Atlantic	74	-36	16	0	0	-1
E N Central	119	0	-4	0	-1	-1
W N Central	122	0	-82	0	-1	0
South Atlantic	38	-27	18	27	7	-14
E S Central	50	-15	22	4	-1	-18
W S Central	10	-21	-36	50	31	17
Mountain	94	-20	-67	5	-1	-4
Pacific	58	9	9	0	-3	-2
United States	77	-12	-9	11	4	-3

Source: Chart by the U.S. Energy Information Administration (EIA), based on data from the National Oceanic and Atmospheric Administration
Note: HDDs=heating degree days; CDDs=cooling degree days

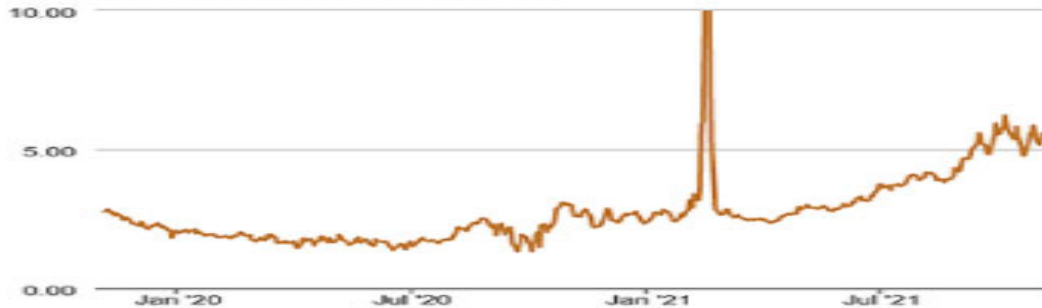
Source: Energy Information Administration, *Natural Gas Weekly Update*.

USGS Production of Selected Mineral Commodities	2021 Year to Date - 2nd Quarter	2020 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	418.0	358.0	17%
Cement (Mil. Mt.)	42.6	41.4	3%
Copper (000 Mt.)	600.0	597.0	1%
Gold (Mt.)	89.2	94.7	-6%
Gypsum (Mil. Mt.)	9.6	8.5	13%
Iron Ore (Mil. Mt.)	12.5	17.4	-28%
Lead (000 Mt.)	146.8	136.7	7%
Molybdenum (000 Mt.)	21.8	24.8	-12%
Phosphate rock (Mil. Mt.)	10.7	12.1	-12%
Sand & gravel, construction (Mil. Mt.)	459.0	420.0	9%
Silver (Mt.)	520.0	456.0	14%
Soda ash (Mil. Mt.)	5.8	5.0	16%
Stone, crushed (Mil. Mt.)	706.0	689.0	2%
Zinc (000 Mt.)	355.0	308.0	15%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2020 data are preliminary estimates. W - withheld, N/A - not available

Natural gas spot prices (Henry Hub)

dollars per million British thermal units



Source: Graph by the U.S. Energy Information Administration (EIA), based on data from Natural Gas Intelligence
 Note: Henry Hub prices reported for February 16 and 17, 2021, exceeded the published range, averaging \$16.96/MMBtu and \$23.61/MMBtu, respectively.

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

Coal stocks and average number of days of burn for non-lignite coal by region (electric power sector)

Zone	Coal	August 2021		August 2020		% Change of Stocks	July 2021		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	1,634	242	3,691	278	-55.7%	2,090	328	-21.8%
	Subbituminous			160	185				
South	Bituminous	11,024	73	19,738	114	-44.1%	12,915	64	-14.6%
	Subbituminous	3,009	38	5,936	76	-49.3%	3,919	45	-23.2%
Midwest	Bituminous	8,657	86	13,059	115	-33.7%	9,643	92	-10.2%
	Subbituminous	18,048	102	27,509	125	-34.4%	20,789	107	-13.2%
West	Bituminous	2,156	109	3,910	163	-44.8%	2,452	120	-12.0%
	Subbituminous	16,520	77	24,479	92	-32.5%	19,294	80	-14.4%
U.S. Total	Bituminous	23,471	86	40,398	125	-41.9%	27,099	87	-13.4%
	Subbituminous	37,576	82	58,084	104	-35.3%	44,002	85	-14.6%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

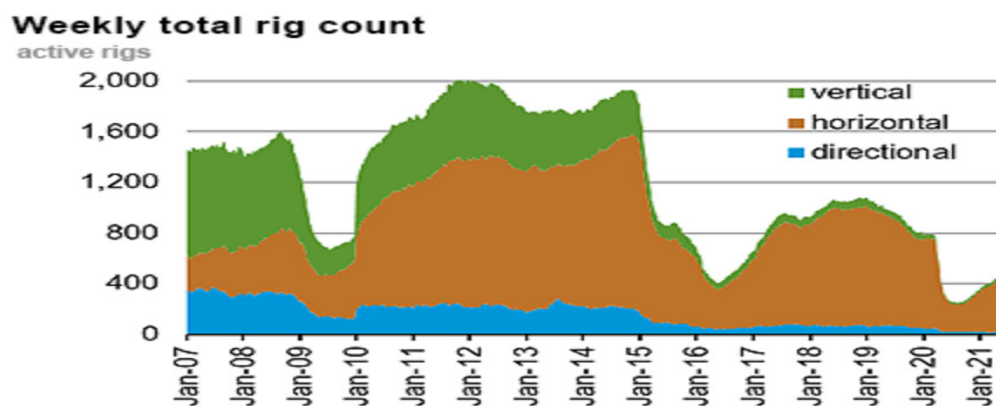
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2021-10-29	2021-10-22	change
East	899	885	14
Midwest	1,071	1,052	19
Mountain	213	212	1
Pacific	256	255	1
South Central	1,172	1,144	28
Total	3,611	3,548	63

Source: U.S. Energy Information Administration Form EIA-912, *Weekly Underground Natural Gas Storage Report*

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

EIA Natural Gas Rig Count



Source: Graph by the U.S. Energy Information Administration (EIA), based on data from Baker Hughes Company

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

EIA Oil and Natural Gas Rig Productivity

Region	NEW-WELL PRODUCTION PER RIG BY REGION			PRODUCTION BY REGION			DUC WELLS BY REGION		
	New-well oil production per rig barrels/day			New-well gas production per rig thousand cubic feet/day					
	November 2021	December 2021	change	November 2021	December 2021	change			
Anadarko	845	795	(50)	4,540	4,088	(454)			
Appalachia	187	187	-	30,133	30,284	151			
Bakken	2,152	2,148	(4)	3,013	3,007	(6)			
Eagle Ford	2,382	2,383	1	8,557	8,559	2			
Haynesville	19	19	-	11,924	12,079	155			
Niobrara	1,862	1,829	(33)	4,524	4,434	(90)			
Permian	1,218	1,213	(5)	2,245	2,233	(12)			
Rig-weighted average	1,143	1,143	-	6,465	6,273	(192)			

Source: Energy Information Administration, *Drilling Productivity Report*