
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

December 31, 2021 Edition
(Data for Week Ending December 25, 2021)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 59, No. 52
Dated 12/31/21

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/25/21	12/26/20	% Chng	12/25/21	12/25/20	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	10,159	8,433	20.5%	569,523	527,547	8.0%
52 Weeks Ended	576,284	533,783	8.0%			
AAR Coal Rail Cars Loaded:	59,363	50,742	17.0%	3,282,854	2,977,906	10.2%
DOC Coal Trade (000 Tons)						
Exports:						
	Oct 21/20	% Chng		Jan - Oct 21/20	% Chng	
Metallurgical	4,375	3,416	28.1%	37,804	34,272	10.3%
Steam Bit. *	2,841	1,623	75.0%	32,716	20,593	58.9%
Lignite	8	7	14.3%	65	77	-15.6%
Anthracite	40	4	900.0%	275	162	69.8%
Total	7,264	5,050	43.8%	70,860	55,104	28.6%
Imports:	525	263	99.6%	4,265	4,036	5.7%
EEI Electric Total Output (Mil. Kwh)						
	Week Ended	% Chng		Cumulative Week 1 to	% Chng	
	12/25/21	12/26/20		12/25/21	12/26/20	
EEI Coal Region Output (Mil. Kwh)	76,450	76,347	0.1%	4,032,635	3,923,809	2.8%
EEI Coal Region Output (Mil. Kwh)	65,216	65,789	-0.9%	3,490,278	3,389,243	3.0%
AISI Raw Steel Output (000 Tons)	1,802	1,612	11.8%	93,506	78,505	19.1%

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)	
	12/24/21	12/17/21	% Chng	Wed.	12/15/21
Central App, 12,500 Btu, 1.2 SO ₂	\$92.50	\$92.50	0.0%	Henry Hub	3.75
Northern App, 13,000 Btu, < 3.0 SO ₂	74.20	74.20	0.0%	New York	3.00
Illinois Basin, 11,800, 5.0 SO ₂	44.55	44.55	0.0%	Chicago	3.59
Powder River Basin, 8,800 Btu 0.8 SO ₂	30.10	30.10	0.0%	Cal.Comp.Avg.	5.26
Uinta Basin, 11,700 Btu, 0.8 SO ₂	33.15	33.15	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; S&P Global; NGI's Daily Gas Price Index



NMA

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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		
	12/25/2021 (week 52)	12/18/2021 (week 51)	12/26/2020 (week 52)	12/25/2021	12/25/2020	% Change	12/25/2021	12/26/2020	% Change
Alabama	178	192	172	9,905	11,991	-17.4	10,043	12,106	-17.0
Alaska	20	22	17	1,058	1,005	5.3	1,072	1,015	5.6
Colorado	196	214	163	10,963	9,882	10.9	11,093	9,993	11.0
Illinois	783	773	499	39,037	31,303	24.7	39,436	31,653	24.6
Indiana	320	357	287	18,786	19,674	-4.5	19,016	19,930	-4.6
Kentucky Total	475	526	389	26,234	23,853	10.0	26,546	24,142	10.0
Eastern (KY)	172	189	131	9,761	8,182	19.3	9,866	8,285	19.1
Western (KY)	303	337	258	16,473	15,671	5.1	16,679	15,856	5.2
Louisiana	5	5	5	286	672	-57.4	290	682	-57.5
Maryland	21	23	17	1,264	1,139	11.0	1,277	1,152	10.9
Mississippi	39	50	22	3,107	2,567	21.0	3,124	2,588	20.7
Missouri	2	2	2	64	157	-59.3	66	158	-58.2
Montana	498	541	425	27,665	26,024	6.3	28,005	26,339	6.3
New Mexico	141	160	135	8,407	10,123	-16.9	8,516	10,246	-16.9
North Dakota	478	522	402	26,881	26,062	3.1	27,204	26,332	3.3
Ohio	47	52	49	2,661	3,540	-24.9	2,700	3,598	-25.0
Oklahoma	.	.	.	s	1	-52.8	s	2	-100.0
Pennsylvania Total	828	900	613	43,563	35,752	21.8	44,054	36,221	21.6
Anthracite (PA)	32	38	35	1,941	2,340	-17.0	1,969	2,368	-16.8
Bituminous (PA)	796	862	578	41,622	33,413	24.6	42,085	33,853	24.3
Tennessee	92	-100.0	.	95	.
Texas	290	323	301	16,475	19,401	-15.1	16,716	19,606	-14.7
Utah	215	239	199	12,357	12,977	-4.8	12,516	13,101	-4.5
Virginia	202	215	166	10,854	9,672	12.2	10,987	9,782	12.3
West Virginia Total	1,439	1,546	1,085	77,646	66,365	17.0	78,516	67,163	16.9
Northern (WV)	856	933	647	44,709	36,564	22.3	45,228	36,991	22.3
Southern (WV)	583	613	438	32,937	29,802	10.5	33,288	30,173	10.3
Wyoming	3,982	4,556	3,485	232,311	215,296	7.9	235,106	217,880	7.9
Appalachian Total	2,888	3,119	2,232	155,654	136,734	13.8	157,444	138,402	13.8
Interior Total	1,740	1,847	1,374	94,227	89,445	5.3	95,328	90,477	5.4
Western Total	5,530	6,253	4,827	319,642	301,369	6.1	323,512	304,905	6.1
East of Mississippi River	4,332	4,636	3,297	233,056	205,949	13.2	235,700	208,429	13.1
West of Mississippi River	5,826	6,583	5,136	336,467	321,599	4.6	340,585	325,354	4.7
Bituminous and Lignite	10,127	11,181	8,398	567,582	525,208	8.1	574,315	531,415	8.1
Anthracite	32	38	35	1,941	2,340	-17.0	1,969	2,368	-16.8
U.S. Total	10,159	11,219	8,433	569,523	527,547	8.0	576,284	533,783	8.0
Railroad Cars Loaded	59,363	65,021	50,742	3,282,854	2,977,906	10.2	3,323,538	3,014,762	10.2

Source: Energy Information Administration



Weekly Electric Output

Volume 89 No. 52

OUTPUT FOR WEEK ENDED - Dec 25, 2021

Dec 29, 2021

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Dec 25, 2021** was **76,450** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **182** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended December 25		52 Weeks Ended December 25	
	GWh Output	% Increase Over Corresponding Week of 2020	GWh Output	% Increase Over Corresponding Period of 2020
New England	2,404	4.2	115,930	1.4
Mid-Atlantic	8,107	0.2	418,296	2.4
Central Industrial	12,194	-1.2	651,041	3.2
West Central	6,394	2.2	335,136	4.4
Southeast	19,076	-4.2	1,014,838	3.0
South Central	13,848	1.7	778,018	2.8
Rocky Mountain	5,597	0.8	292,947	2.0
Pacific Northwest	3,747	6.4	158,170	2.8
Pacific Southwest	5,083	7.5	268,259	0.7
Total United States	76,450	0.1	4,032,635	2.8

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2021	Week Ended	2020	% Inc. (21/20)	52 Weeks Ended	2021	% Inc. (21/20)
Dec 04	73,744	Dec 05	75,942	-2.9	Dec 04	4,035,932	2.9
Dec 11	76,144	Dec 12	75,475	0.9	Dec 11	4,036,601	3.0
Dec 18	75,970	Dec 19	80,039	-5.1	Dec 18	4,032,532	2.9
Dec 25	76,450	Dec 26	76,347	0.1	Dec 25	4,032,635	2.8
Dec 25	4,032,635	Dec 26	3,923,809	2.8	YEAR TO DATE, FIRST 52 WEEKS		

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

Week Ended	2021	Week Ended	2020	Week Ended	2019
Dec 04	171	Dec 05	172	Dec 07	173
Dec 11	171	Dec 12	165	Dec 14	168
Dec 18	172	Dec 19	176	Dec 21	179
Dec 25	182	Dec 26	177	Dec 28	163

* 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		
	25-Dec	26-Dec	% Increase Over Corresponding Week	25-Dec	26-Dec	% Increase Over Corresponding Week	25-Dec	26-Dec	% Increase Over Corresponding Week
	2021 GWh Output	2020 GWh Output		2021 GWh Output	2020 GWh Output		2021 GWh Output	2020 GWh Output	
New England	2,404	2,307	4.2%	115,932	114,308	1.4%	115,930	114,308	1.4%
Mid-Atlantic	8,107	8,092	0.2%	418,298	408,677	2.4%	418,296	408,677	2.4%
Central Industrial	12,194	12,345	-1.2%	651,042	630,704	3.2%	651,041	630,703	3.2%
West Central	6,394	6,258	2.2%	335,137	321,003	4.4%	335,136	321,004	4.4%
Southeast	19,076	19,920	-4.2%	1,014,836	984,918	3.0%	1,014,838	984,921	3.0%
South Central	13,848	13,623	1.7%	778,017	756,856	2.8%	778,018	756,856	2.8%
Rocky Mountain	5,597	5,551	0.8%	292,948	287,085	2.0%	292,947	287,084	2.0%
Pacific Northwest	3,747	3,523	6.4%	158,173	153,805	2.8%	158,170	153,806	2.8%
Pacific Southwest	5,083	4,728	7.5%	268,258	266,454	0.7%	268,259	266,450	0.7%
Total United States ^{1/}	<u>76,450</u>	<u>76,347</u>	0.1%	<u>4,032,641</u>	<u>3,923,810</u>	2.8%	<u>4,032,635</u>	<u>3,923,809</u>	2.8%
Coal Regions Only ^{2/}	65,216	65,789	-0.9%	3,490,278	3,389,243	3.0%	3,490,276	3,389,245	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*.

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December 28, 2021

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

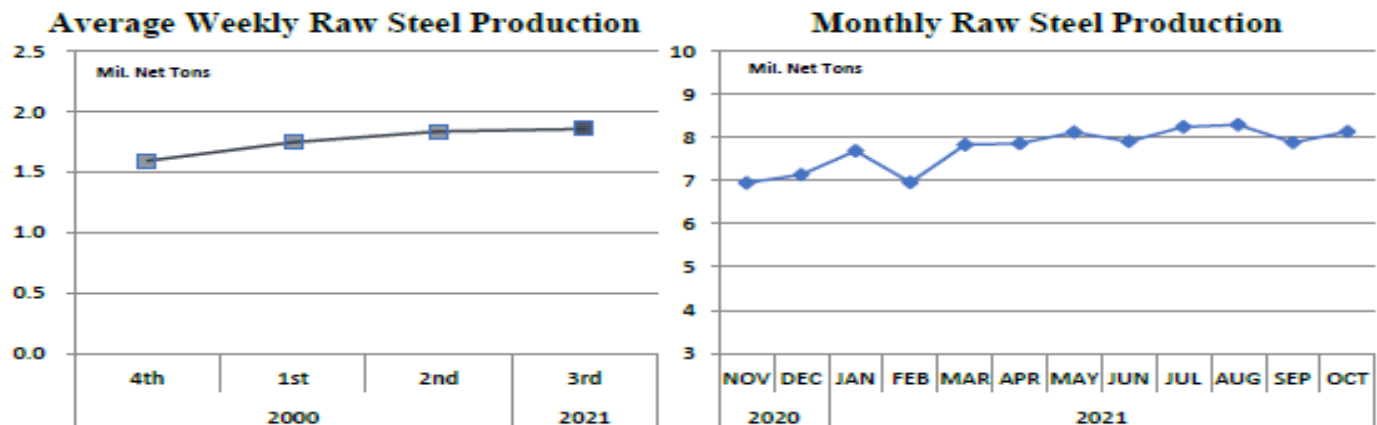
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capacity Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending Dec 25</u>	<u>Week Ending Dec 18</u>	
<u>Week Ending</u>				North East	180	166
				Great Lakes	636	619
December 25, 2021	1,802	-0.2	81.6	Midwest	198	201
December 25, 2020	1,612	11.8	72.9	Southern	718	745
December 18, 2021	1,805	-0.7	81.8	Western	70	74
				Total	1,802	1,805

Year-to-Date +

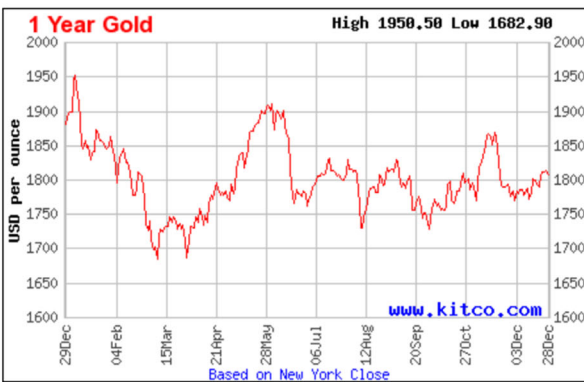
December 25, 2021	93,506	19.1	81.6
December 25, 2020	78,505	-	68.1

*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 51, 2021 – Ended December 25, 2021

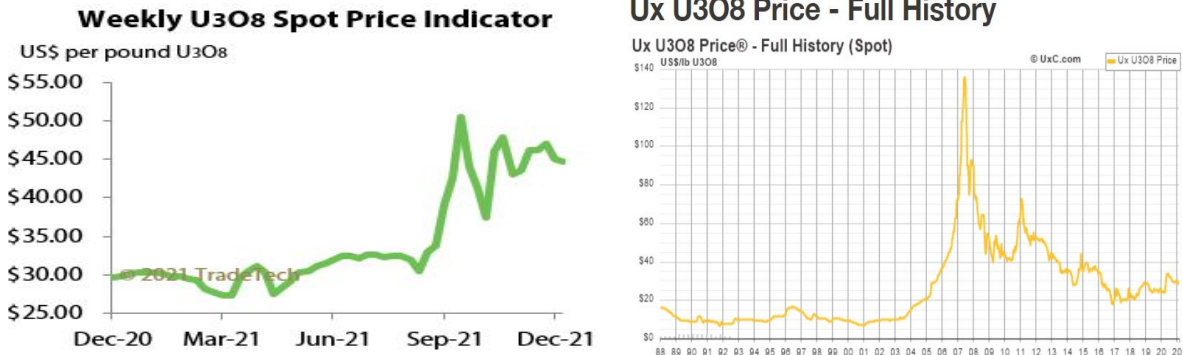
	This Week		Year-To-Date		
	Cars	vs 2020	Cumulative	Avg/wk ²	vs 2020
Total Carloads	201,222	8.7%	11,804,438	231,460	6.7%
Chemicals	30,490	10.9%	1,661,788	32,584	5.7%
Coal	59,363	16.9%	3,268,518	64,089	11.0%
Farm Products excl. Grain, and Food	15,015	10.6%	808,797	15,859	2.5%
Forest Products	9,286	11.2%	509,812	9,996	7.6%
Grain	19,159	-12.0%	1,187,853	23,291	3.7%
Metallic Ores and Metals	19,031	3.6%	1,142,044	22,393	22.9%
Motor Vehicles and Parts	9,871	-3.3%	657,782	12,898	-0.5%
Nonmetallic Minerals	22,901	29.8%	1,536,896	30,135	2.2%
Petroleum and Petroleum Products	8,705	-15.5%	532,670	10,445	-4.3%
Other	7,401	11.6%	498,278	9,770	2.4%
Total Intermodal Units	219,151	-0.4%	13,952,907	273,586	5.2%
Total Traffic	420,373	3.7%	25,757,345	505,046	5.9%

¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

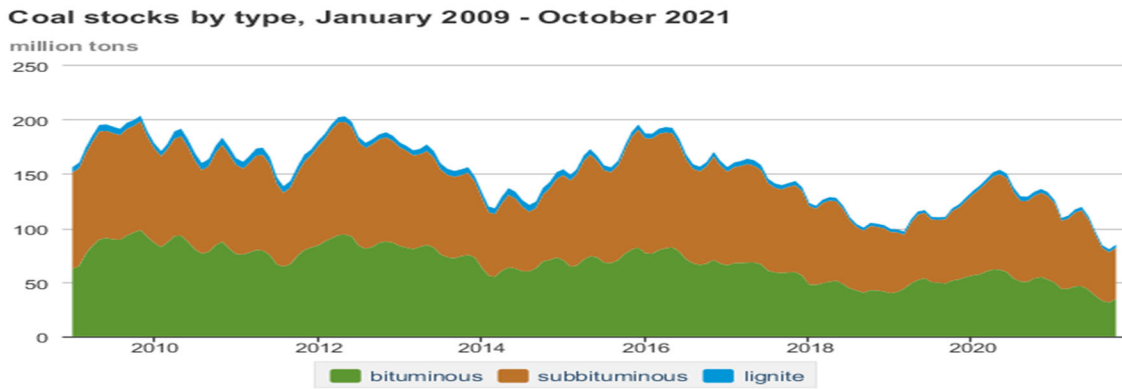
² Average per week figures may not sum to totals as a result of independent rounding.

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

Trade Tech's and UX's Uranium Price Indicators

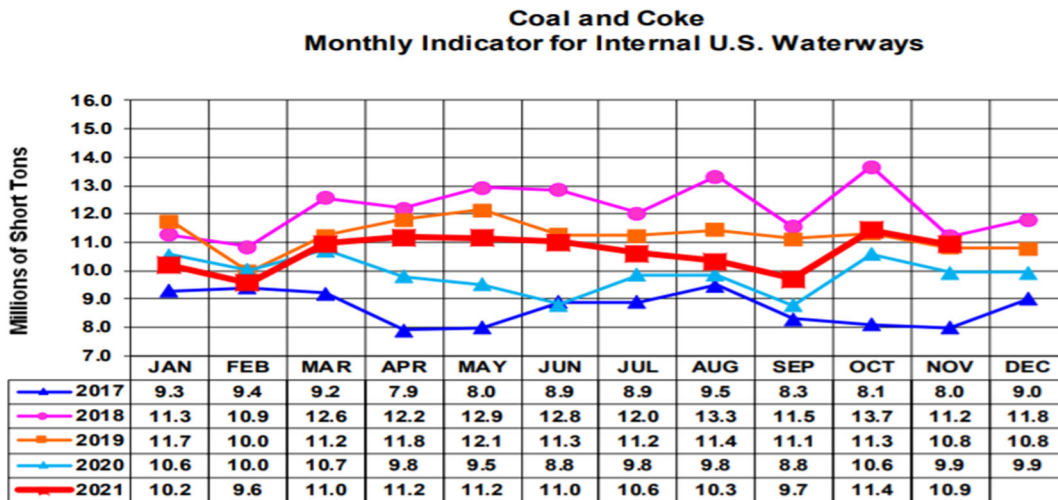


Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Source: Ux Consulting Co., LLC – <http://www.uxc.com>



Source: U.S. Energy Information Administration

Source: Energy Information Administration, Electric Monthly Update



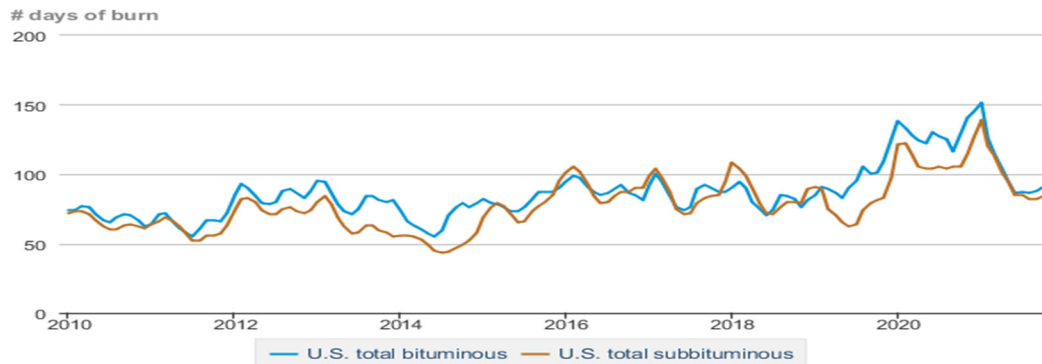
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	11/26/21	12/03/21	12/10/21	12/17/21	12/24/21	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$89.75	\$92.50	\$92.50	\$92.50	\$92.50	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$72.00	\$74.20	\$74.20	\$74.20	\$74.20	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$43.40	\$44.55	\$44.55	\$44.55	\$44.55	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$30.70	\$30.70	\$30.10	\$30.10	\$30.10	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$33.15	\$33.00	\$33.15	\$33.15	\$33.15	\$0.00

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

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



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Dec 09)

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	203	-11	5	0	0	0
Middle Atlantic	189	-15	-10	0	0	0
E N Central	220	-13	-1	0	0	0
W N Central	221	-38	8	0	0	0
South Atlantic	115	-27	-42	10	1	6
E S Central	102	-44	-72	0	-1	0
W S Central	51	-57	-71	16	13	16
Mountain	164	-51	-37	0	0	0
Pacific	100	-14	13	0	-1	0
United States	157	-26	-16	4	2	3

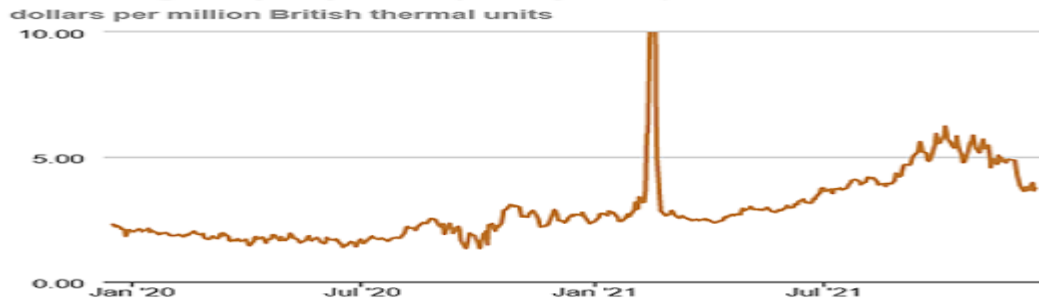
Source: Chart by the U.S. Energy Information Administration (EIA), based on data from the National Oceanic and Atmospheric Administration
Note: HDDs=heating degree days; CDDs=cooling degree days

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)



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	October 2021		October 2020		% Change of Stocks	September 2021		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,164	350	4,274	314	-49.4%	1,879	285	15.1%
	Subbituminous			160	142				
South	Bituminous	12,052	85	20,334	119	-40.7%	10,671	81	12.9%
	Subbituminous	3,297	52	6,062	85	-45.6%	2,824	44	16.7%
Midwest	Bituminous	9,252	86	13,745	114	-32.7%	8,623	84	7.3%
	Subbituminous	19,179	104	28,478	124	-32.7%	17,961	101	6.8%
West	Bituminous	1,800	88	3,894	182	-53.8%	1,916	96	-6.0%
	Subbituminous	15,142	73	23,316	93	-35.1%	15,287	75	-0.9%
U.S. Total	Bituminous	25,268	91	42,246	129	-40.2%	23,089	88	9.4%
	Subbituminous	37,618	84	58,016	105	-35.2%	36,072	82	4.3%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

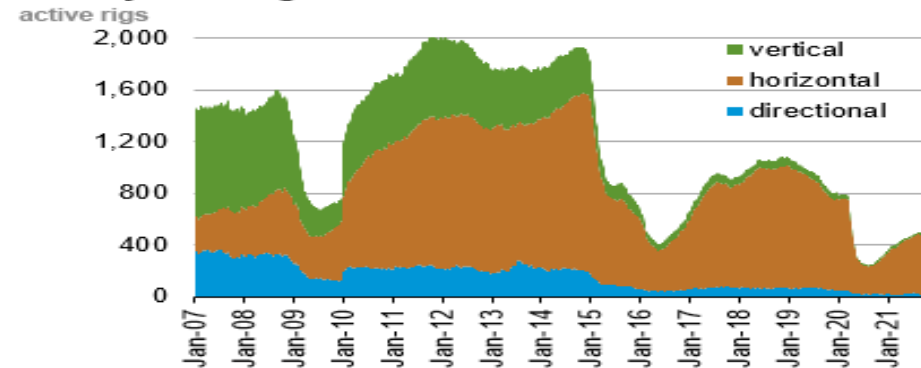
Region	Stocks billion cubic feet (Bcf)		
	2021-12-10	2021-12-03	change
East	818	843	-25
Midwest	982	1,019	-37
Mountain	199	206	-7
Pacific	261	266	-5
South Central	1,158	1,171	-13
Total	3,417	3,505	-88

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

Weekly total 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					
	December 2021	January 2022	change	December 2021	January 2022	change			
Anadarko	794	778	(16)	4,084	3,961	(123)			
Appalachia	188	188	-	30,284	30,345	61			
Bakken	2,130	2,088	(42)	2,983	2,923	(60)			
Eagle Ford	2,370	2,363	(7)	8,506	8,480	(26)			
Haynesville	19	19	-	11,865	11,966	101			
Niobrara	1,636	1,603	(33)	4,440	4,351	(89)			
Permian	1,214	1,210	(4)	2,281	2,269	(12)			
Rig-weighted average	1,142	1,140	(2)	6,272	6,312	40			

Source: Energy Information Administration, *Drilling Productivity Report*