
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

December 3, 2021 Edition
(Data for Week Ending November 27, 2021)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 59, No. 48
Dated 12/03/21

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/27/21	11/28/20	% Chng	11/27/21	11/27/20	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,069	10,203	8.5%	529,820	486,300	8.9%
52 Weeks Ended	577,628	540,810	6.8%			
AAR Coal Rail Cars Loaded:	63,947	59,775	7.0%	3,022,962	2,735,091	10.5%
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%
EEI Electric Total Output (Mil. Kwh)						
	Week Ended		% Chng	Cumulative Week 1 to		% Chng
	11/27/21	11/28/20		11/27/21	11/28/20	
EEI Coal Region Output (Mil. Kwh)	62,416	58,123	7.4%	3,231,644	3,124,133	3.4%
AISI Raw Steel Output (000 Tons)	1,837	1,621	13.3%	86,274	72,053	19.7%

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)	
	11/26/21	11/19/21	% Chng	Wed.	11/17/21
Central App, 12,500 Btu, 1.2 SO ₂	\$89.75	\$89.75	0.0%	Henry Hub	4.79
Northern App, 13,000 Btu, < 3.0 SO ₂	72.00	72.00	0.0%	New York	4.48
Illinois Basin, 11,800, 5.0 SO ₂	43.40	43.40	0.0%	Chicago	4.78
Powder River Basin, 8,800 Btu 0.8 SO ₂	30.70	30.70	0.0%	Cal.Comp.Avg.	5.90
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



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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		
	11/27/2021 (week 48)	11/20/2021 (week 47)	11/28/2020 (week 48)	11/27/2021	11/27/2020	% Change	11/27/2021	11/28/2020	% Change
Alabama	211	217	208	10,446	11,150	-6.3	11,420	12,139	-5.9
Alaska	23	24	21	1,067	921	15.9	1,165	1,001	16.4
Colorado	204	210	197	9,627	9,085	6.0	10,551	10,033	5.2
Illinois	780	858	603	37,321	28,864	29.3	40,147	31,890	25.9
Indiana	340	341	347	17,265	18,272	-5.5	18,890	20,583	-8.2
Kentucky Total	530	534	470	24,652	21,952	12.3	26,856	24,475	9.7
Eastern (KY)	178	180	159	8,724	7,541	15.7	9,467	8,452	12.0
Western (KY)	352	354	312	15,927	14,410	10.5	17,388	16,023	8.5
Louisiana	5	5	6	234	646	-63.7	264	752	-64.9
Maryland	21	21	20	1,091	1,057	3.2	1,185	1,173	1.0
Mississippi	50	44	27	3,000	2,458	22.1	3,126	2,653	17.8
Missouri	2	2	3	94	145	-35.4	107	158	-32.3
Montana	517	531	514	24,563	23,946	2.6	26,972	26,695	1.0
New Mexico	162	163	163	8,323	9,463	-12.0	9,088	10,576	-14.1
North Dakota	529	541	487	25,515	24,094	5.9	27,796	26,409	5.3
Ohio	52	52	60	2,473	3,299	-25.0	2,752	3,833	-28.2
Oklahoma	.	.	.	.	1	-100.0	.	16	.
Pennsylvania Total	882	887	742	41,254	32,752	26.0	44,731	36,875	21.3
Anthracite (PA)	39	37	42	1,918	2,169	-11.5	2,116	2,422	-12.6
Bituminous (PA)	843	849	700	39,336	30,584	28.6	42,615	34,453	23.7
Tennessee	.	.	.	.	92	-100.0	.	128	.
Texas	336	346	364	15,908	17,929	-11.3	17,614	19,698	-10.6
Utah	255	259	241	12,313	12,002	2.6	13,443	13,054	3.0
Virginia	209	216	200	9,678	8,862	9.2	10,617	9,799	8.3
West Virginia Total	1,529	1,571	1,312	72,953	61,060	19.5	79,102	68,027	16.3
Northern (WV)	954	967	782	43,279	33,400	29.6	46,945	37,048	26.7
Southern (WV)	575	604	530	29,674	27,660	7.3	32,157	30,980	3.8
Wyoming	4,432	4,382	4,217	212,043	198,249	7.0	231,802	220,841	5.0
Appalachian Total	3,081	3,144	2,701	146,620	125,815	16.5	159,276	140,426	13.4
Interior Total	1,865	1,952	1,662	89,749	82,726	8.5	97,537	91,774	6.3
Western Total	6,123	6,109	5,840	293,451	277,759	5.6	320,816	308,610	4.0
East of Mississippi River	4,603	4,742	3,989	220,133	189,820	16.0	238,827	211,575	12.9
West of Mississippi River	6,467	6,462	6,213	309,687	296,480	4.5	338,801	329,235	2.9
Bituminous and Lignite	11,031	11,167	10,160	527,902	484,131	9.0	575,512	538,388	6.9
Anthracite	39	37	42	1,918	2,169	-11.5	2,116	2,422	-12.6
U.S. Total	11,069	11,204	10,203	529,820	486,300	8.9	577,628	540,810	6.8
Railroad Cars Loaded	63,947	64,719	59,775	3,022,962	2,735,091	10.5	3,305,467	3,050,149	8.4

Source: Energy Information Administration



Weekly Electric Output

Volume 89 No. 48

OUTPUT FOR WEEK ENDED - Nov 27, 2021

Dec 01, 2021

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Nov 27, 2021** was **72,312** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **172** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

	Week Ended November 27		52 Weeks Ended November 27	
	GWh Output	% Increase Over Corresponding Week of 2020	GWh Output	% Increase Over Corresponding Period of 2020
New England	2,136	1.2	115,988	1.2
Mid-Atlantic	7,549	8.5	419,109	2.2
Central Industrial	11,939	7.2	652,046	3.3
West Central	5,964	4.6	334,634	4.2
Southeast	18,501	12.2	1,018,741	3.9
South Central	13,143	4.3	779,056	3.2
Rocky Mountain	5,320	1.8	293,167	2.1
Pacific Northwest	3,190	0.3	157,950	2.6
Pacific Southwest	4,570	-0.6	267,439	0.1
Total United States	72,312	6.3	4,038,130	3.0

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2021	Week Ended	2020	% Inc. (21/20)	52 Weeks Ended	2021	% Inc. (21/20)
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 20	71,643	Nov 21	69,338	3.3	Nov 20	4,033,828	2.8
Nov 27	72,312	Nov 28	68,010	6.3	Nov 27	4,038,130	3.0
Nov 27	3,730,327	Nov 28	3,616,006	3.2	YEAR TO DATE, FIRST 48 WEEKS		

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

Week Ended	2021	Week Ended	2020	Week Ended	2019
Nov 06	173	Nov 07	178	Nov 09	188
Nov 13	166	Nov 14	174	Nov 16	195
Nov 20	174	Nov 21	177	Nov 23	185
Nov 27	172	Nov 28	170	Nov 30	178

* 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		
	27-Nov 2021 GWh Output	28-Nov 2020 GWh Output	% Increase Over Corresponding Week	27-Nov 2021 GWh Output	28-Nov 2020 GWh Output	% Increase Over Corresponding Week	27-Nov 2021 GWh Output	28-Nov 2020 GWh Output	% Increase Over Corresponding Week
New England	2,136	2,110	1.2%	106,695	105,012	1.6%	115,988	114,612	1.2%
Mid-Atlantic	7,549	6,957	8.5%	386,856	376,422	2.8%	419,109	410,196	2.2%
Central Industrial	11,939	11,138	7.2%	601,843	580,502	3.7%	652,046	631,142	3.3%
West Central	5,964	5,703	4.6%	309,460	295,827	4.6%	334,634	321,230	4.2%
Southeast	18,501	16,495	12.2%	940,035	906,213	3.7%	1,018,741	980,905	3.9%
South Central	13,143	12,601	4.3%	722,911	700,712	3.2%	779,056	755,046	3.2%
Rocky Mountain	5,320	5,229	1.7%	270,539	264,457	2.3%	293,167	287,234	2.1%
Pacific Northwest	3,190	3,179	0.3%	143,967	139,819	3.0%	157,950	153,973	2.6%
Pacific Southwest	4,570	4,598	-0.6%	248,027	247,043	0.4%	267,439	267,041	0.1%
Total United States ^{1/}	<u>72,312</u>	<u>68,010</u>	6.3%	<u>3,730,333</u>	<u>3,616,007</u>	3.2%	<u>4,038,130</u>	<u>3,921,379</u>	3.0%
Coal Regions Only ^{2/}	62,416	58,123	7.4%	3,231,644	3,124,133	3.4%	3,496,753	3,385,753	3.3%

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*.

AMERICAN IRON AND STEEL INSTITUTE
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November 29, 2021

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

Period	Thousand Net Tons	Percent Change from Previous Period	Percent Capacity Utilization**	Production by District		
				Week Ending		
				Nov 27	Nov 20	
<u>Week Ending</u>				North East	170	175
				Great Lakes	625	617
November 27, 2021	1,837	-1.3	83.2	Midwest	199	205
November 27, 2020	1,621	13.3	73.3	Southern	768	787
November 20, 2021	1,861	0.3	84.3	Western	75	77
				Total	1,837	1,861

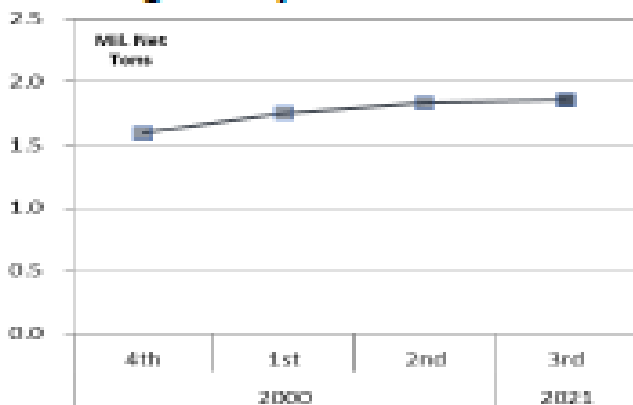
Year-to-Date +

November 27, 2021	86,274	19.7	81.6
November 27, 2020	72,053	-	67.7

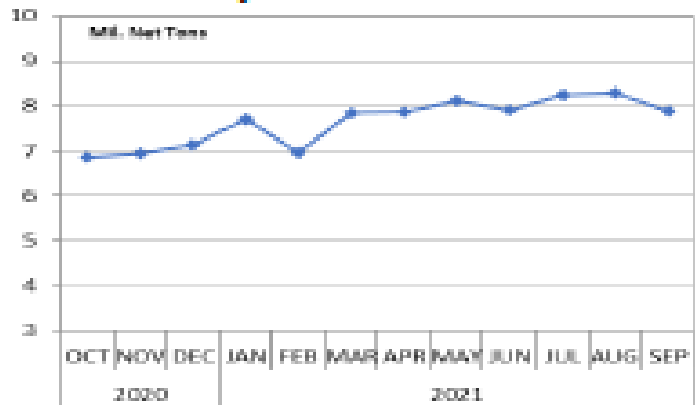
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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.

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

U.S. Rail Traffic¹
 Week 47, 2021 – Ended November 27, 2021

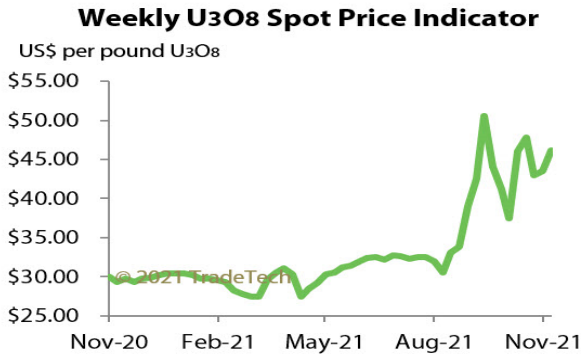
	This Week		Year-To-Date		
	Cars	vs 2020	Cumulative	Avg/wk ²	vs 2020
Total Carloads	209,091	1.6%	10,874,439	231,371	7.0%
Chemicals	30,015	4.9%	1,523,266	32,410	5.6%
Coal	63,947	7.4%	3,008,636	64,014	11.3%
Farm Products excl. Grain, and Food	15,188	4.6%	743,678	15,823	2.4%
Forest Products	8,773	-0.9%	470,157	10,003	7.8%
Grain	23,616	-5.5%	1,091,399	23,221	4.8%
Metallic Ores and Metals	18,255	-2.9%	1,058,344	22,518	24.6%
Motor Vehicles and Parts	10,700	-10.8%	606,739	12,909	0.9%
Nonmetallic Minerals	23,270	4.9%	1,419,938	30,211	1.2%
Petroleum and Petroleum Products	8,934	-1.5%	491,767	10,463	-3.8%
Other	6,393	-12.9%	460,515	9,798	2.6%
Total Intermodal Units	221,702	-10.1%	12,917,662	274,844	6.4%
Total Traffic	430,793	-4.8%	23,792,101	506,215	6.7%

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.

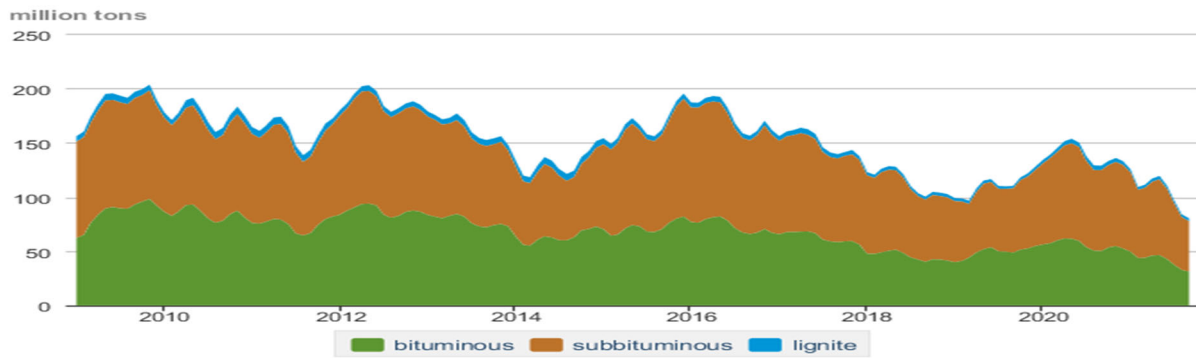
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

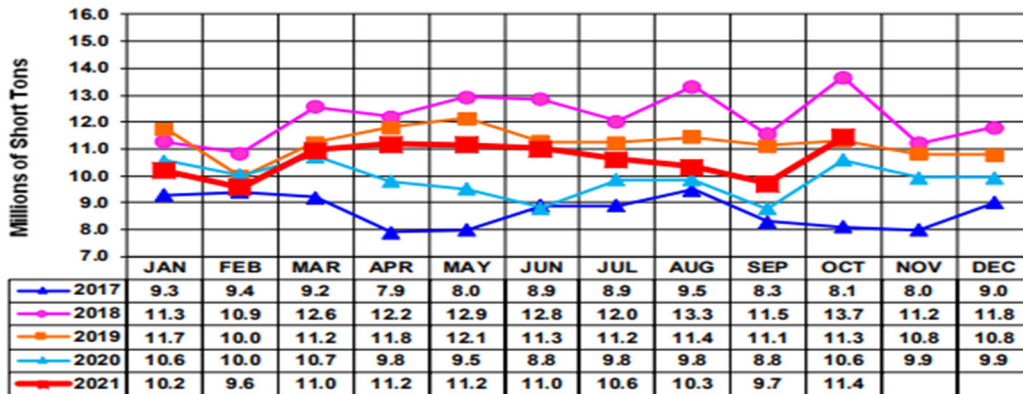
Coal stocks by type, January 2009 - September 2021



Source: U.S. Energy Information Administration

Source: Energy Information Administration, Electric Monthly Update

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



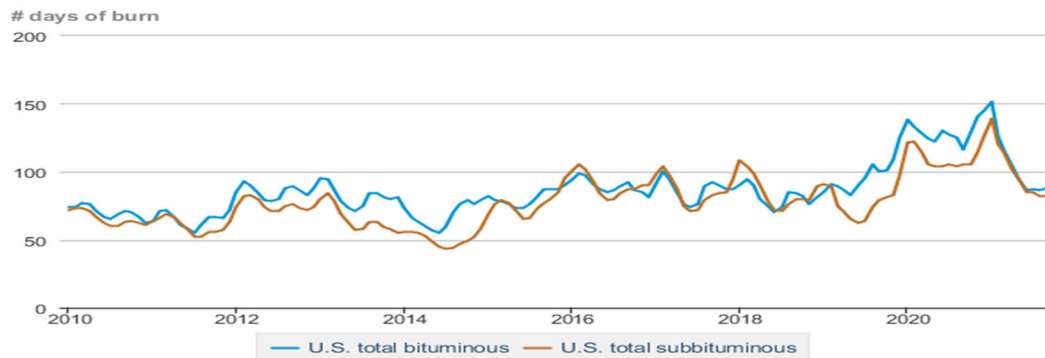
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	10/29/21	11/05/21	11/12/21	11/19/21	11/26/21	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$79.05	\$79.05	\$89.75	\$89.75	\$89.75	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$67.15	\$67.15	\$72.00	\$72.00	\$72.00	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$39.65	\$39.65	\$43.40	\$43.40	\$43.40	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$14.40	\$14.40	\$30.70	\$30.70	\$30.70	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$31.00	\$31.00	\$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 - September 2021



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Nov 11)

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	144	-3	71	0	0	0
Middle Atlantic	124	-15	65	0	0	0
E N Central	122	-34	78	0	0	-1
W N Central	115	-55	47	0	0	0
South Atlantic	89	0	49	8	-7	-18
E S Central	93	2	55	0	-2	-7
W S Central	50	-6	30	9	-1	-17
Mountain	110	-43	-10	6	4	-1
Pacific	64	-9	-24	0	-1	-2
United States	99	-20	40	3	-2	-6

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

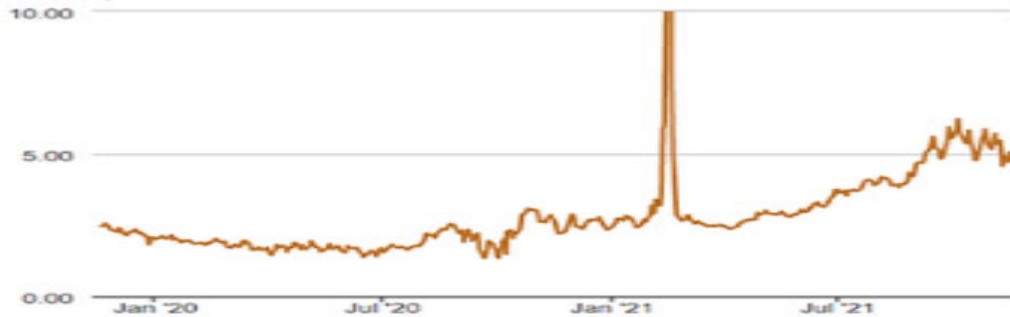
Source: Energy Information Administration, *Natural Gas Weekly Update*.

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	September 2021		September 2020		% Change of Stocks	August 2021		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	1,879	285	3,910	284	-51.9%	1,634	242	15.1%
	Subbituminous	.	.	160	159	.	.	.	.
South	Bituminous	10,671	81	17,906	105	-40.4%	11,024	73	-3.2%
	Subbituminous	2,824	44	6,060	83	-53.4%	3,009	38	-6.1%
Midwest	Bituminous	8,623	84	13,327	112	-35.3%	8,657	86	-0.4%
	Subbituminous	17,961	101	28,686	125	-37.4%	18,048	102	-0.5%
West	Bituminous	1,916	96	3,815	160	-49.8%	2,156	109	-11.2%
	Subbituminous	15,287	75	23,384	92	-34.6%	16,520	77	-7.5%
U.S. Total	Bituminous	23,089	88	38,958	116	-40.7%	23,471	86	-1.6%
	Subbituminous	36,072	82	58,290	105	-38.1%	37,576	82	-4.0%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

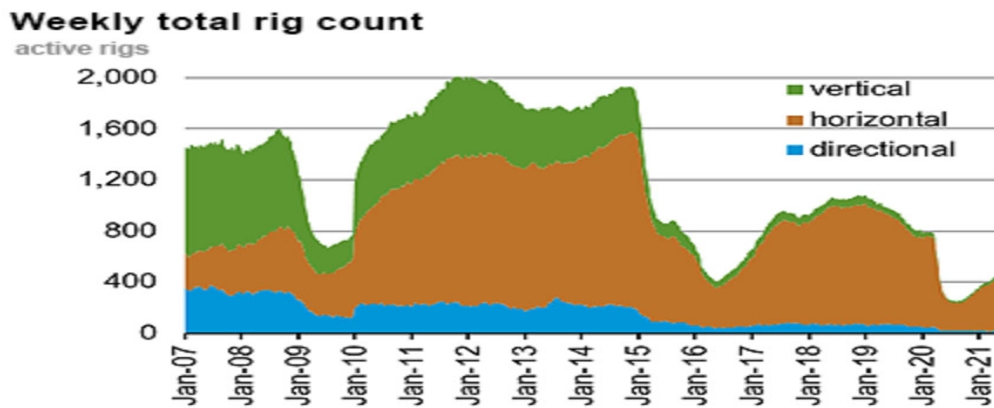
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2021-11-12	2021-11-05	change
East	900	897	3
Midwest	1,079	1,075	4
Mountain	212	213	-1
Pacific	261	258	3
South Central	1,191	1,175	16
Total	3,644	3,618	26

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 New-well oil production per rig barrels/day			PRODUCTION BY REGION 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	4,086	(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	1,662	1,629	(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*