
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

December 17, 2021 Edition
(Data for Week Ending December 11, 2021)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 59, No. 50
Dated 12/17/21

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	12/11/21	12/12/20	% Chng	12/11/21	12/11/20	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,520	10,886	5.8%	548,145	508,224	7.9%
52 Weeks Ended	573,941	537,580	6.8%			
AAR Coal Rail Cars Loaded:	66,762	63,777	4.7%	3,158,470	2,863,536	10.3%
Coal Production	November 21/20		% Chng	Jan - Nov 21/20		% Chng
Month Ended - November	49,066	44,345	10.6%	529,746	490,631	8.0%
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%
	Week Ended			Cumulative Week 1 to		
	12/11/21	12/12/20	% Chng	12/11/21	12/12/20	% Chng
EEl Electric Total Output (Mil. Kwh)	76,144	75,475	0.9%	3,880,215	3,767,423	3.0%
EEl Coal Region Output (Mil. Kwh)	65,193	64,711	0.7%	3,360,387	3,254,295	3.3%
AISI Raw Steel Output (000 Tons)	1,818	1,612	12.8%	89,899	75,281	19.4%

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)	
	12/10/21	12/03/21	% Chng	Wed.	12/08/21
Central App, 12,500 Btu, 1.2 SO ₂	\$92.50	\$92.50	0.0%	Henry Hub	3.79
Northern App, 13,000 Btu, < 3.0 SO ₂	74.20	74.20	0.0%	New York	3.57
Illinois Basin, 11,800, 5.0 SO ₂	44.55	44.55	0.0%	Chicago	3.57
Powder River Basin, 8,800 Btu 0.8 SO ₂	30.10	30.70	-2.0%	Cal.Comp.Avg.	5.47
Uinta Basin, 11,700 Btu, 0.8 SO ₂	33.15	33.00	0.5%		

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
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		
	12/11/2021 (week 50)	12/4/2021 (week 49)	12/12/2020 (week 50)	12/11/2021	12/11/2020	% Change	12/11/2021	12/12/2020	% Change
Alabama	201	201	222	9,535	11,597	-17.8	10,060	12,131	-17.1
Alaska	22	24	22	1,016	965	5.3	1,069	1,009	5.9
Colorado	223	220	210	10,553	9,509	11.0	11,052	10,021	10.3
Illinois	863	796	644	37,481	30,161	24.3	39,006	31,793	22.7
Indiana	364	376	370	18,109	19,017	-4.8	18,986	20,256	-6.3
Kentucky Total	539	556	502	25,233	22,962	9.9	26,422	24,321	8.6
Eastern (KY)	194	203	169	9,400	7,882	19.3	9,801	8,372	17.1
Western (KY)	345	354	333	15,833	15,080	5.0	16,621	15,949	4.2
Louisiana	5	5	7	277	659	-58.1	293	716	-59.1
Maryland	24	26	21	1,219	1,100	10.8	1,270	1,163	9.2
Mississippi	45	59	29	3,017	2,516	19.9	3,085	2,620	17.7
Missouri	2	2	3	60	151	-60.6	67	158	-57.6
Montana	564	564	548	26,626	25,051	6.3	27,925	26,531	5.3
New Mexico	163	164	174	8,107	9,814	-17.4	8,520	10,410	-18.2
North Dakota	542	547	519	25,881	25,140	2.9	27,112	26,390	2.7
Ohio	54	54	64	2,561	3,428	-25.3	2,712	3,712	-26.9
Oklahoma	.	.	.	s	1	-52.8	s	9	-100.0
Pennsylvania Total	920	996	792	41,834	34,347	21.8	43,710	36,565	19.5
Anthracite (PA)	37	40	45	1,871	2,260	-17.2	1,978	2,396	-17.4
Bituminous (PA)	883	956	747	39,963	32,087	24.5	41,732	34,169	22.1
Tennessee	92	-100.0	.	111	.
Texas	338	316	388	15,862	18,711	-15.2	16,783	19,667	-14.7
Utah	246	247	257	11,903	12,520	-4.9	12,512	13,090	-4.4
Virginia	226	229	214	10,437	9,293	12.3	10,943	9,799	11.7
West Virginia Total	1,614	1,643	1,400	74,661	63,880	16.9	77,979	67,633	15.3
Northern (WV)	961	1,005	835	42,920	35,082	22.3	44,898	37,053	21.2
Southern (WV)	654	637	565	31,742	28,799	10.2	33,081	30,580	8.2
Wyoming	4,563	4,837	4,499	223,774	207,310	7.9	234,435	219,476	6.8
Appalachian Total	3,233	3,351	2,882	149,647	131,619	13.7	156,476	139,485	12.2
Interior Total	1,963	1,906	1,773	90,639	86,297	5.0	94,841	91,168	4.0
Western Total	6,323	6,604	6,231	307,859	290,308	6.0	322,624	306,928	5.1
East of Mississippi River	4,851	4,935	4,256	224,088	198,393	13.0	234,174	210,103	11.5
West of Mississippi River	6,669	6,926	6,629	324,058	309,831	4.6	339,767	327,477	3.8
Bituminous and Lignite	11,482	11,821	10,840	546,274	505,964	8.0	571,963	535,185	6.9
Anthracite	37	40	45	1,871	2,260	-17.2	1,978	2,396	-17.4
U.S. Total	11,520	11,861	10,886	548,145	508,224	7.9	573,941	537,580	6.8
Railroad Cars Loaded	66,762	68,736	63,777	3,158,470	2,863,536	10.3	3,312,006	3,034,396	9.1

Source: Energy Information Administration

EEI

Weekly Electric Output

Volume 89 No. 50

OUTPUT FOR WEEK ENDED - Dec 11, 2021

Dec 15, 2021

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, Dec 11, 2021 was **76,144** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **171** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended December 11		52 Weeks Ended December 11	
	GWh Output	% Increase Over Corresponding Week of 2020	GWh Output	% Increase Over Corresponding Period of 2020
New England	2,330	-0.8	116,105	1.6
Mid-Atlantic	7,907	-1.6	419,231	2.5
Central Industrial	12,548	2.0	652,088	3.5
West Central	6,539	6.3	335,202	4.5
Southeast	18,698	-3.1	1,017,169	3.6
South Central	13,799	4.1	778,619	3.0
Rocky Mountain	5,702	0.5	293,025	2.0
Pacific Northwest	3,586	2.4	157,638	2.4
Pacific Southwest	5,035	2.5	267,525	0.2
Total United States	76,144	0.9	4,036,601	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 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
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 11	3,880,215	Dec 12	3,767,423	3.0	YEAR TO DATE, FIRST 50 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2021	Week Ended	2020	Week Ended	2019
Nov 20	174	Nov 21	177	Nov 23	185
Nov 27	172	Nov 28	170	Nov 30	178
Dec 04	171	Dec 05	172	Dec 07	173
Dec 11	171	Dec 12	165	Dec 14	168

* 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		
	11-Dec 2021 GWh Output	12-Dec 2020 GWh Output	% Increase Over Corresponding Week	11-Dec 2021 GWh Output	12-Dec 2020 GWh Output	% Increase Over Corresponding Week	11-Dec 2021 GWh Output	12-Dec 2020 GWh Output	% Increase Over Corresponding Week
New England	2,330	2,349	-0.8%	111,321	109,523	1.6%	116,105	114,296	1.6%
Mid-Atlantic	7,907	8,036	-1.6%	402,582	392,026	2.7%	419,231	408,964	2.5%
Central Industrial	12,548	12,301	2.0%	626,671	605,287	3.5%	652,088	630,024	3.5%
West Central	6,539	6,151	6.3%	322,449	308,248	4.6%	335,202	320,684	4.5%
Southeast	18,698	19,287	-3.1%	976,865	944,616	3.4%	1,017,169	981,662	3.6%
South Central	13,799	13,261	4.1%	750,076	728,314	3.0%	778,619	756,775	2.9%
Rocky Mountain	5,702	5,675	0.5%	281,744	275,804	2.2%	293,025	287,178	2.0%
Pacific Northwest	3,586	3,502	2.4%	150,631	146,795	2.6%	157,638	153,967	2.4%
Pacific Southwest	5,035	4,913	2.5%	257,882	256,811	0.4%	267,525	266,866	0.2%
Total United States ^{1/}	<u>76,144</u>	<u>75,475</u>	0.9%	<u>3,880,221</u>	<u>3,767,424</u>	<u>3.0%</u>	<u>4,036,602</u>	<u>3,920,416</u>	3.0%
Coal Regions Only ^{2/}	65,193	64,711	0.7%	3,360,387	3,254,295	3.3%	3,495,334	3,385,287	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*.

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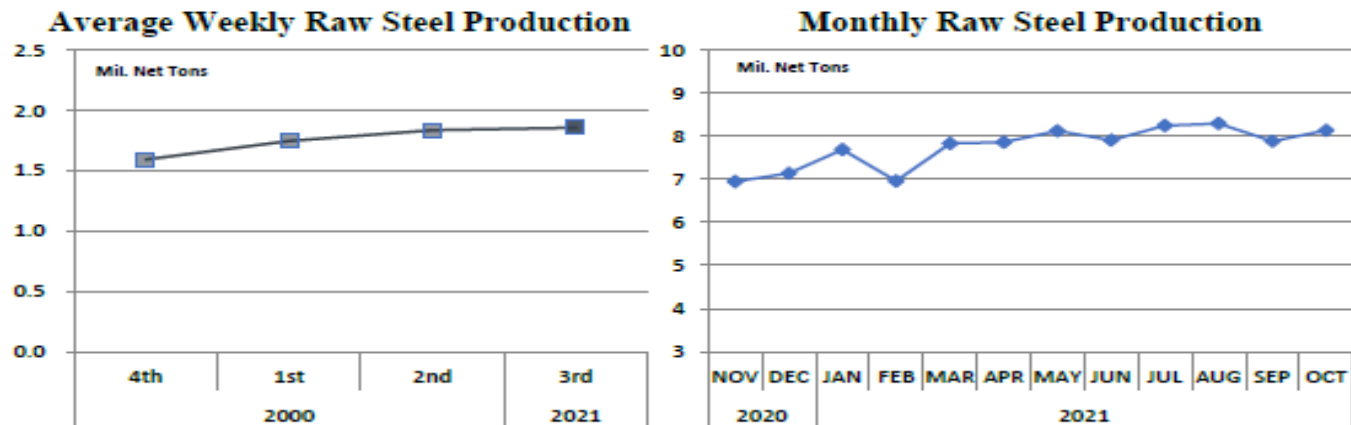
December 13, 2021

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>Dec 11</u>	<u>Dec 4</u>	
<u>Week Ending</u>				North East	169	164
				Great Lakes	621	618
December 11, 2021	1,818	0.6	82.4	Midwest	206	201
December 11, 2020	1,612	12.8	72.9	Southern	744	748
December 4, 2021	1,807	-1.6	81.9	Western	78	76
				Total	1,818	1,807
<u>Year-to-Date +</u>						
December 11, 2021	89,899	19.4	81.6			
December 11, 2020	75,281	-	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 49, 2021 – Ended December 11, 2021

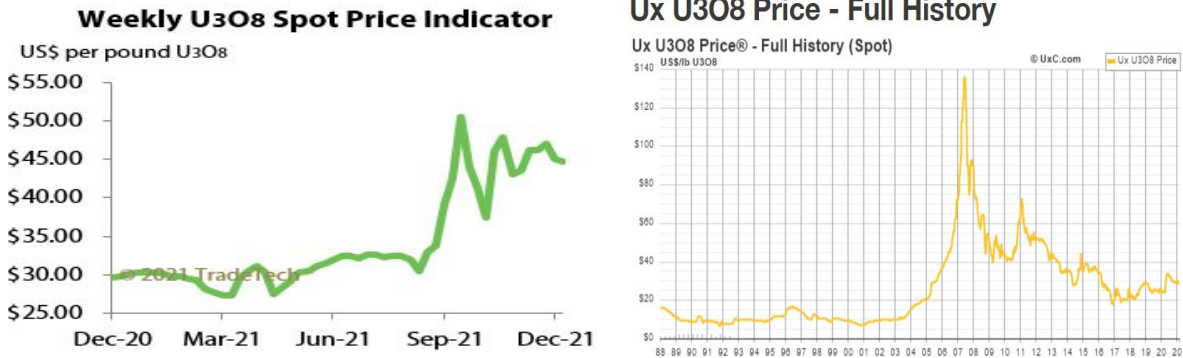
	This Week		Year-To-Date		
	Cars	vs 2020	Cumulative	Avg/wk ²	vs 2020
Total Carloads	239,029	0.3%	11,368,512	232,010	6.8%
Chemicals	35,297	8.3%	1,597,086	32,594	5.7%
Coal	66,762	4.7%	3,144,134	64,166	11.0%
Farm Products excl. Grain, and Food	16,363	2.4%	777,665	15,871	2.3%
Forest Products	9,903	3.6%	490,626	10,013	7.7%
Grain	24,876	-12.4%	1,144,535	23,358	4.3%
Metallic Ores and Metals	20,278	-2.4%	1,101,148	22,472	23.7%
Motor Vehicles and Parts	13,953	-20.8%	635,443	12,968	0.0%
Nonmetallic Minerals	31,052	10.6%	1,483,906	30,284	1.6%
Petroleum and Petroleum Products	11,086	-3.4%	513,567	10,481	-3.9%
Other	9,459	-5.2%	480,402	9,804	2.2%
Total Intermodal Units	274,337	-10.9%	13,464,361	274,783	5.6%
Total Traffic	513,366	-6.0%	24,832,873	506,793	6.1%

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.

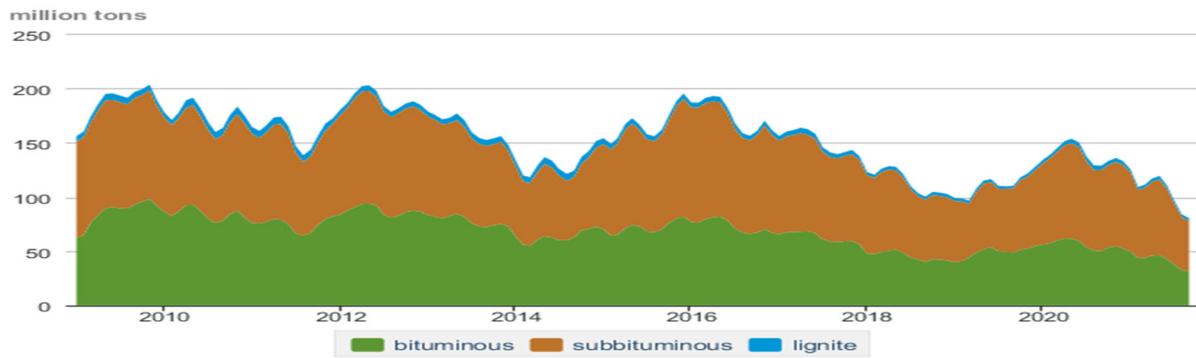
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

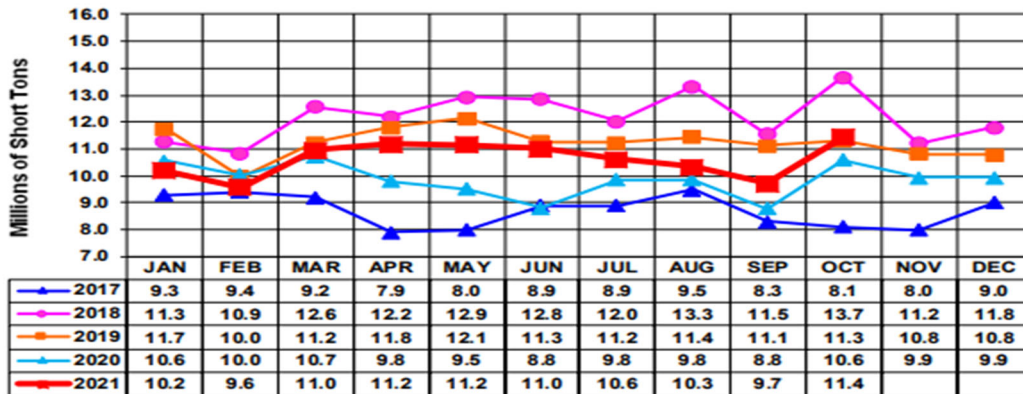
Coal stocks by type, January 2009 - September 2021



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

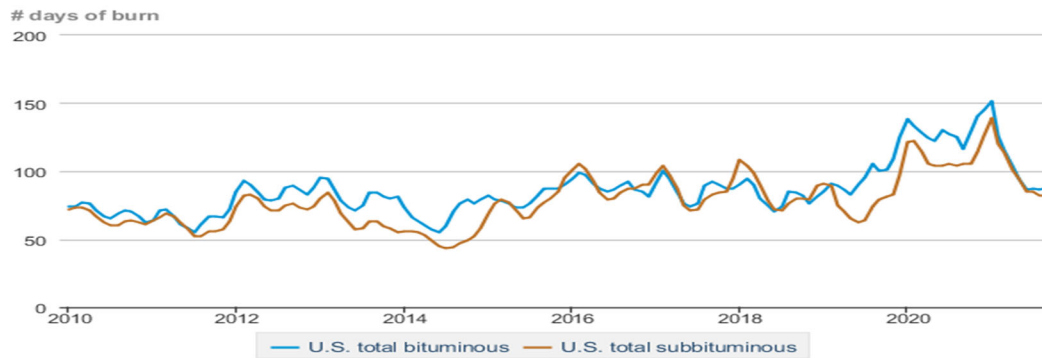
Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago change
	11/12/21	11/19/21	11/26/21	12/03/21	12/10/21	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$89.75	\$89.75	\$89.75	\$92.50	\$92.50	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$72.00	\$72.00	\$72.00	\$74.20	\$74.20	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$43.40	\$43.40	\$43.40	\$44.55	\$44.55	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$30.70	\$30.70	\$30.70	\$30.70	\$30.10	-\$0.60
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$33.15	\$33.15	\$33.15	\$33.00	\$33.15	\$0.15

Source: With permission, S&P Global[®]

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 Dec 02)

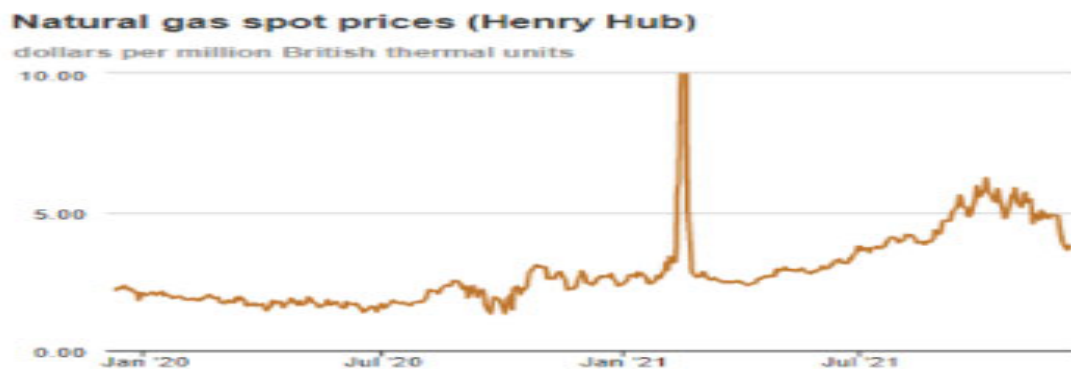
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	210	14	73	0	0	0
Middle Atlantic	191	4	65	0	0	0
E N Central	207	-8	24	0	0	0
W N Central	168	-73	-41	0	0	0
South Atlantic	136	7	45	4	-6	-10
E S Central	138	5	17	0	-1	0
W S Central	74	-23	-15	3	-1	-2
Mountain	130	-75	-75	1	1	1
Pacific	48	-59	-51	0	-1	0
United States	144	-24	4	1	-1	-2

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



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		
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	% Change of Stocks
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

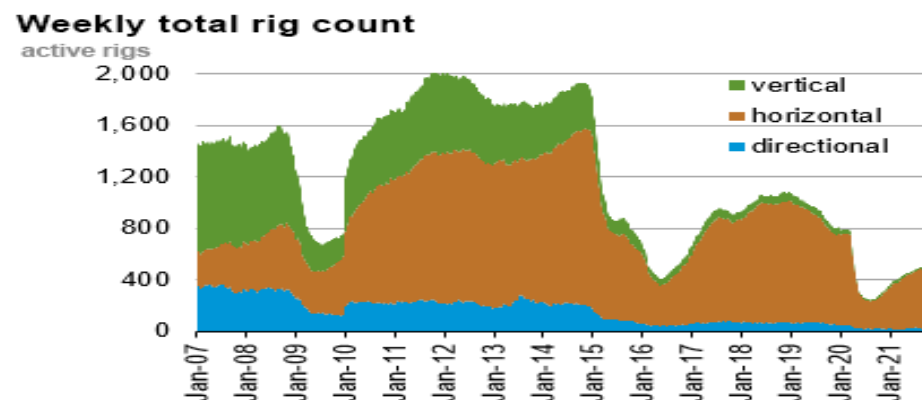
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2021-12-03	2021-11-26	change
East	843	867	-24
Midwest	1,019	1,043	-24
Mountain	206	206	0
Pacific	266	263	3
South Central	1,171	1,185	-14
Total	3,505	3,564	-59

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					
	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*