
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

March 25, 2022 Edition
(Data for Week Ending March 19, 2022)

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. 60, No. 12
Dated 03/25/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/19/22	03/20/21	% Chng	03/19/22	03/19/21	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,140	10,981	1.4%	127,835	121,350	5.3%
52 Weeks Ended	583,120	524,380	11.2%			
AAR Coal Rail Cars Loaded:	63,929	59,816	6.9%	730,169	661,380	10.4%
Coal Production	February 22/21		% Chng	Jan - Feb 22/21		% Chng
Month Ended - February	47,115	40,868	15.3%	96,746	89,425	8.2%
DOC Coal Trade (000 Tons)						
Exports:	Jan 22/21		% Chng	Jan - Jan 22/21		% Chng
Metallurgical	2,945	3,249	-9.4%	2,945	3,249	-9.4%
Steam Bit. *	2,758	2,439	13.1%	2,758	2,439	13.1%
Lignite	8	7	14.3%	8	7	14.3%
Anthracite	5	40	-87.5%	5	40	-87.5%
Total	5,716	5,735	-0.3%	5,716	5,735	-0.3%
Imports:	526	535	-1.7%	526	535	-1.7%
	Week Ended			Cumulative Week 1 to		
	03/19/22	03/20/21	% Chng	03/19/22	03/20/21	% Chng
EEl Electric Total Output (Mil. Kwh)	70,813	69,934	1.3%	947,940	922,826	2.7%
EEl Coal Region Output (Mil. Kwh)	61,083	59,904	2.0%	819,575	797,474	2.8%
AISI Raw Steel Output (000 Tons)	1,742	1,768	-1.5%	19,499	19,449	0.3%

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)	
	03/18/22	03/11/22	% Chng	Wed.	03/16/22
Central App, 12,500 Btu, 1.2 SO ₂	\$97.30	\$93.40	4.2%	Henry Hub	4.67
Northern App, 13,000 Btu, < 3.0 SO ₂	81.80	79.55	2.8%	New York	3.88
Illinois Basin, 11,800, 5.0 SO ₂	97.00	92.50	4.9%	Chicago	4.21
Powder River Basin, 8,800 Btu 0.8 SO ₂	16.75	16.75	0.0%	Cal.Comp.Avg.	4.45
Uinta Basin, 11,700 Btu, 0.8 SO ₂	33.30	32.95	1.1%		

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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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		
	3/19/2022 (week 11)	3/12/2022 (week 10)	3/20/2021 (week 11)	3/19/2022	3/19/2021	% Change	3/19/2022	3/20/2021	% Change
Alabama	178	164	243	2,019	2,691	-25.0	8,615	11,970	-28.0
Alaska	21	21	24	244	268	-8.7	1,016	1,032	-1.6
Colorado	217	215	190	2,381	2,095	13.6	12,136	9,778	24.1
Illinois	796	788	876	9,769	9,684	0.9	36,886	33,571	9.9
Indiana	358	362	382	3,992	4,221	-5.4	19,193	18,860	1.8
Kentucky total	534	537	515	6,040	5,696	6.0	26,911	23,510	14.5
Eastern (KY)	210	210	181	2,347	1,996	17.6	10,666	8,183	30.3
Western (KY)	324	327	335	3,693	3,700	-0.2	16,245	15,327	6.0
Louisiana	5	5	4	49	50	-2.2	298	347	-14.1
Maryland	26	27	27	292	297	-1.6	1,303	1,120	16.3
Mississippi	57	60	64	674	702	-4.0	3,165	2,795	13.2
Missouri	2	1	1	16	16	4.4	45	136	-66.9
Montana	546	545	514	6,097	5,679	7.4	28,931	25,185	14.9
New Mexico	161	156	184	1,706	2,034	-16.1	8,914	9,483	-6.0
North Dakota	491	476	548	5,710	6,052	-5.6	26,130	26,115	0.1
Ohio	47	49	59	517	651	-20.6	2,620	3,125	-16.2
Oklahoma	.	.	.	.	.	.	1	s	100.0
Pennsylvania total	936	954	921	11,085	10,176	8.9	43,170	36,619	17.9
Anthracite (PA)	36	35	39	386	427	-9.7	2,043	2,211	-7.6
Bituminous (PA)	900	920	882	10,699	9,749	9.7	41,127	34,408	19.5
Tennessee	.	.	.	.	.	.	.	9	.
Texas	282	276	292	3,105	3,222	-3.6	17,095	18,438	-7.3
Utah	222	223	245	2,552	2,706	-5.7	12,158	12,742	-4.6
Virginia	225	226	210	2,523	2,318	8.9	11,151	9,372	19.0
West Virginia total	1,585	1,614	1,556	18,488	17,190	7.6	79,768	68,429	16.6
Northern (WV)	900	913	897	10,820	9,911	9.2	45,277	39,189	15.5
Southern (WV)	685	700	659	7,668	7,279	5.3	34,491	29,239	18.0
Wyoming	4,451	4,557	4,127	50,574	45,604	10.9	243,614	211,743	15.1
Appalachian total	3,208	3,244	3,196	37,271	35,318	5.5	157,293	138,828	13.3
Interior total	1,823	1,820	1,954	21,299	21,594	-1.4	92,928	89,474	3.9
Western total	6,109	6,194	5,831	69,265	64,437	7.5	332,899	296,079	12.4
East of Mississippi River	4,743	4,782	4,853	55,400	53,624	3.3	232,782	209,381	11.2
West of Mississippi River	6,397	6,475	6,129	72,436	67,725	7.0	350,338	315,000	11.2
Bituminous and lignite	11,105	11,222	10,943	127,450	120,922	5.4	581,077	522,170	11.3
Anthracite	36	35	39	386	427	-9.7	2,043	2,211	-7.6
U.S. total	11,140	11,257	10,981	127,835	121,350	5.3	583,120	524,380	11.2
Railroad cars loaded	63,929	64,589	59,816	730,169	661,380	10.4	3,395,885	2,952,041	1.0

Source: Energy Information Administration



Weekly Electric Output

Volume 90 No. 12

OUTPUT FOR WEEK ENDED - Mar 19, 2022

Mar 23, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Mar 19, 2022** was **70,813** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **173** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended March 19		52 Weeks Ended March 19	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,014	-6.7	116,290	0.6
Mid-Atlantic	7,214	-5.4	419,398	1.6
Central Industrial	11,730	-1.0	653,664	3.0
West Central	6,050	4.1	338,476	4.6
Southeast	17,805	4.0	1,016,932	1.8
South Central	13,313	5.9	788,786	3.4
Rocky Mountain	4,971	1.1	295,118	2.7
Pacific Northwest	3,214	-1.7	159,809	3.8
Pacific Southwest	4,502	-2.1	269,277	1.4
Total United States	70,813	1.3	4,057,749	2.6

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Feb 26	79,110	Feb 27	73,408	7.8	Feb 26	4,049,828	2.5
Mar 05	74,439	Mar 06	73,193	1.7	Mar 05	4,051,075	2.5
Mar 12	75,113	Mar 13	69,318	8.4	Mar 12	4,056,870	2.6
Mar 19	70,813	Mar 20	69,934	1.3	Mar 19	4,057,749	2.6
Mar 19	947,940	Mar 20	922,826	2.7	YEAR TO DATE, FIRST 12 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Feb 26	181	Feb 27	169	Feb 29	178
Mar 05	171	Mar 06	169	Mar 07	172
Mar 12	182	Mar 13	169	Mar 14	175
Mar 19	173	Mar 20	171	Mar 21	177

* 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		
	19-Mar 2022 GWh Output	20-Mar 2021 GWh Output	% Increase Over Corresponding Week	19-Mar 2022 GWh Output	20-Mar 2021 GWh Output	% Increase Over Corresponding Week	19-Mar 2022 GWh Output	20-Mar 2021 GWh Output	% Increase Over Corresponding Week
New England	2,014	2,159	-6.7%	28,446	28,087	1.3%	116,290	115,648	0.6%
Mid-Atlantic	7,214	7,630	-5.5%	100,223	99,121	1.1%	419,398	412,757	1.6%
Central Industrial	11,730	11,848	-1.0%	158,423	155,800	1.7%	653,664	634,340	3.0%
West Central	6,050	5,809	4.1%	80,006	76,665	4.4%	338,476	323,699	4.6%
Southeast	17,805	17,125	4.0%	238,731	236,636	0.9%	1,016,932	998,474	1.8%
South Central	13,313	12,574	5.9%	175,699	164,930	6.5%	788,786	762,986	3.4%
Rocky Mountain	4,971	4,918	1.1%	66,493	64,322	3.4%	295,118	287,345	2.7%
Pacific Northwest	3,214	3,270	-1.7%	43,240	41,604	3.9%	159,809	153,912	3.8%
Pacific Southwest	4,502	4,601	-2.2%	56,678	55,661	1.8%	269,277	265,445	1.4%
Total United States ^{1/}	70,813	69,934	1.3%	947,939	922,826	2.7%	4,057,750	3,954,606	2.6%
Coal Regions Only ^{2/}	61,083	59,904	2.0%	819,575	797,474	2.8%	3,512,374	3,419,601	2.7%

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

March 21, 2022

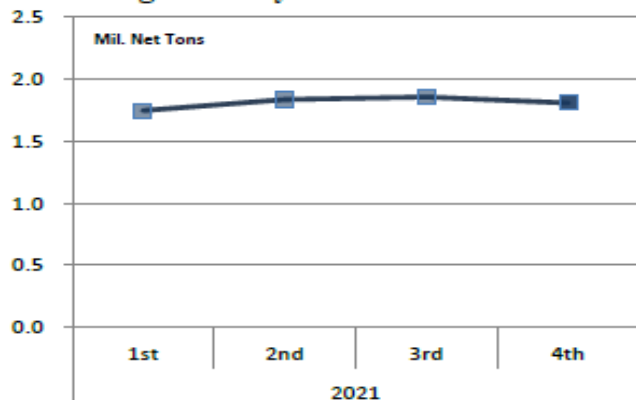
ESTIMATED WEEKLY RAW STEEL* PRODUCTION

<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 19</u>	<u>Week Ending Mar 12</u>	
<u>Week Ending</u>				North East	174	164
				Great Lakes	594	579
March 19, 2022	1,742	0.3	80.2	Midwest	167	170
March 19, 2021	1,768	-1.5	78.0	Southern	738	751
March 12, 2022	1,737	-1.4	79.9	Western	69	73
				Total	1,742	1,737
<u>Year-to-Date +</u>						
March 19, 2022	19,499	0.3	80.5			
March 19, 2021	19,449	-	77.1			

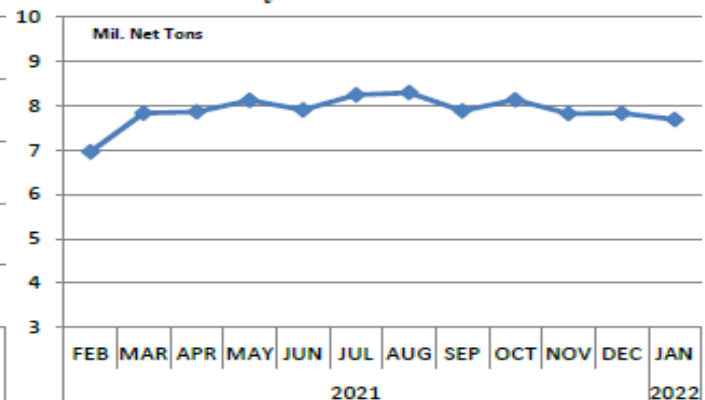
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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: Capability for the first quarter 2022 was approximately 28.3 million net tons. Given the large number of changes to steelmaking capability and the evolving market, AISI is updating the capacity statistics.

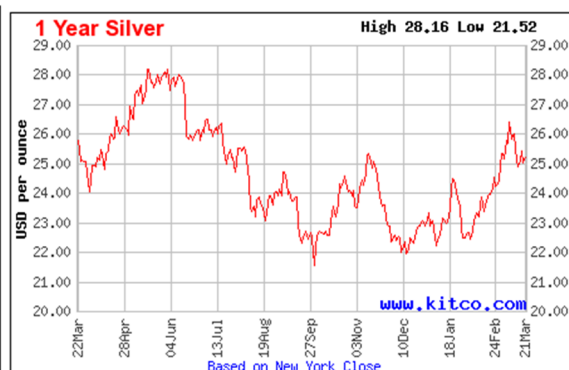
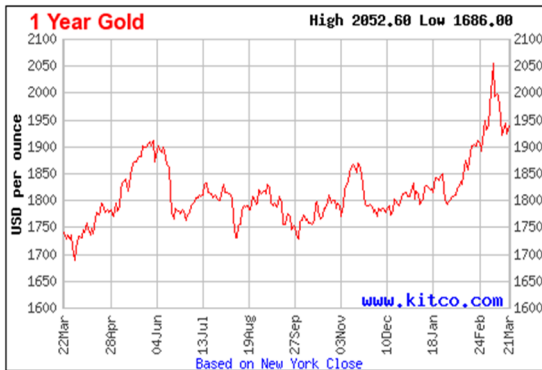
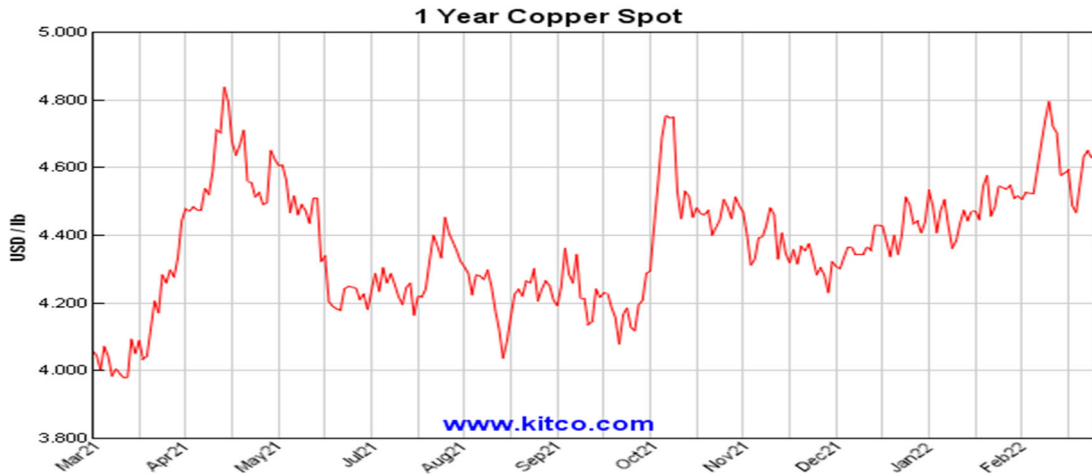
Average Weekly Raw Steel Production



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 11, 2022 – Ended March 19, 2022

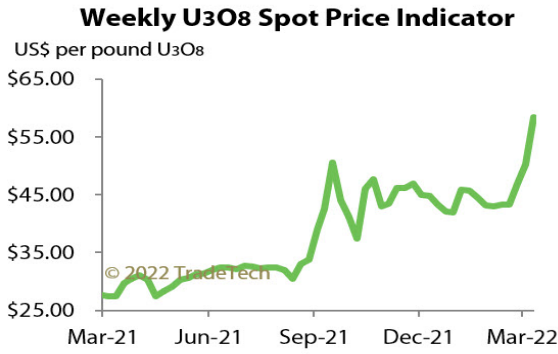
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	232,770	1.1%	2,521,622	229,238	3.0%
Chemicals	34,178	8.4%	380,188	34,563	9.9%
Coal	63,929	7.0%	722,924	65,720	10.4%
Farm Products excl. Grain, and Food	17,097	6.2%	180,422	16,402	2.6%
Forest Products	10,199	-0.9%	109,922	9,993	0.7%
Grain	23,317	-14.7%	258,891	23,536	-7.2%
Metallic Ores and Metals	20,059	-1.8%	221,509	20,137	-2.0%
Motor Vehicles and Parts	13,953	-6.4%	137,457	12,496	-14.0%
Nonmetallic Minerals	31,151	6.8%	308,301	28,027	12.4%
Petroleum and Petroleum Products	9,181	-21.1%	103,102	9,373	-14.8%
Other	9,706	5.6%	98,906	8,991	-3.5%
Total Intermodal Units	266,592	-5.7%	2,828,405	257,128	-7.1%
Total Traffic	499,362	-2.7%	5,350,027	486,366	-2.6%

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.

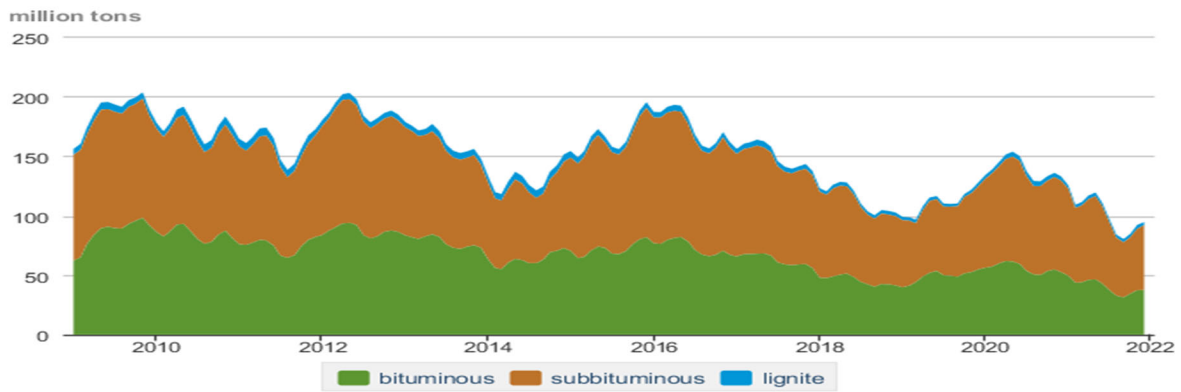
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

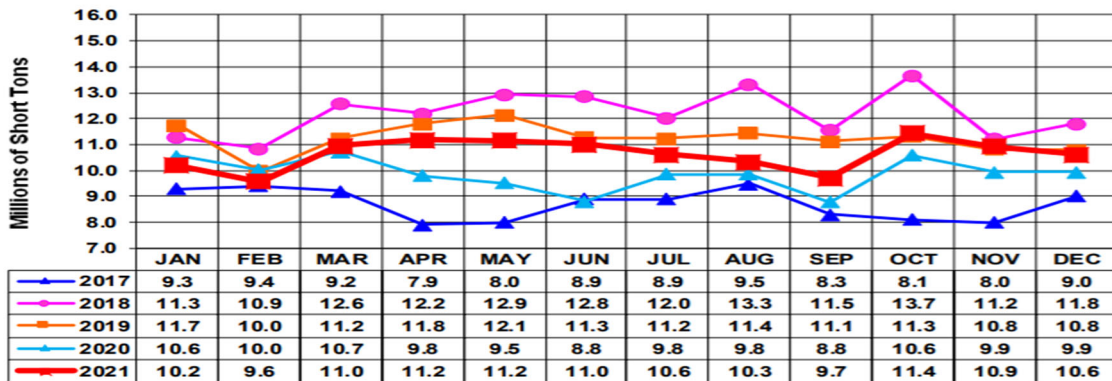
Coal stocks by type, January 2009 - December 2021



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

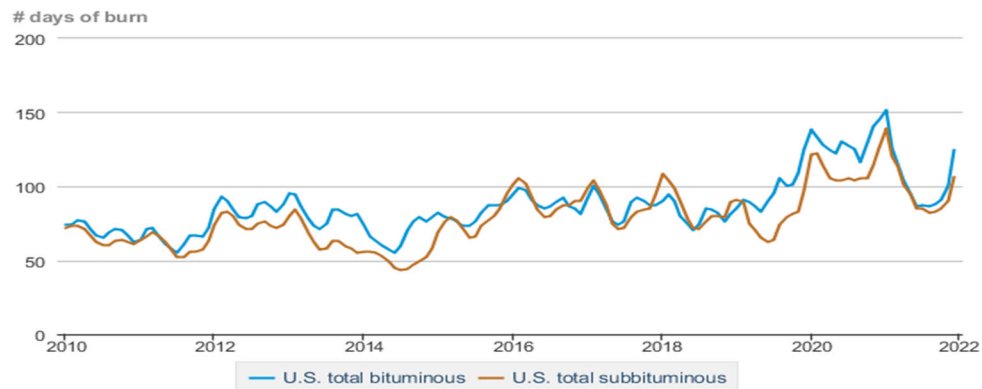
Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago change
	02/18/22	02/25/22	03/04/22	03/11/22	03/18/22	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$90.55	\$90.55	\$93.40	\$93.40	\$97.30	\$3.90
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$73.35	\$73.35	\$79.55	\$79.55	\$81.80	\$2.25
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$75.50	\$75.50	\$92.50	\$92.50	\$97.00	\$4.50
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$21.65	\$21.65	\$16.75	\$16.75	\$16.75	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$29.35	\$29.35	\$32.95	\$32.95	\$33.30	\$0.35

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 - December 2021



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Mar 10)

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	204	-16	-30	0	0	0
Middle Atlantic	179	-28	-35	0	0	0
E N Central	193	-25	18	0	-1	0
W N Central	241	23	114	0	-1	0
South Atlantic	79	-47	-52	20	10	15
E S Central	73	-48	-40	3	-1	3
W S Central	81	5	22	12	3	6
Mountain	225	56	86	0	-1	-2
Pacific	120	26	1	0	-1	0
United States	157	-7	10	5	2	3

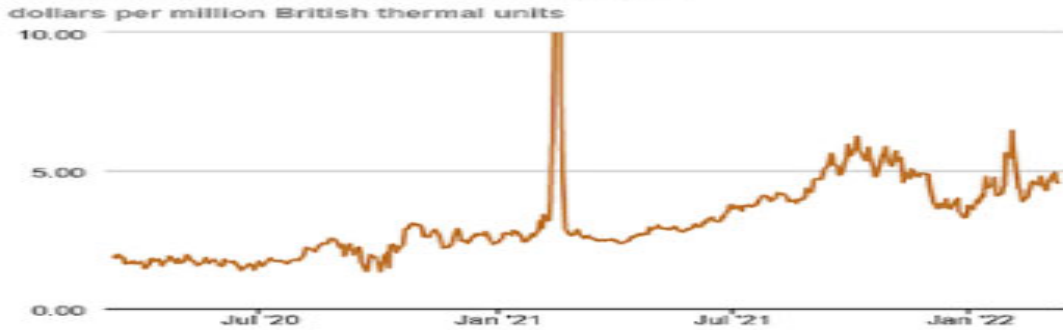
Source: Chart by the U.S. Energy Information Administration (EIA), based on data from the National Oceanic and Atmospheric Administration
Note: HDDs=heating degree days; CDDs=cooling degree days

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

USGS Production of Selected Mineral Commodities	2021 Year to Date - 3rd Quarter	2020 Year to Date - 3rd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	628.0	543.0	16%
Cement (Mil. Mt.)	67.6	66.3	2%
Copper (000 Mt.)	912.0	906.0	1%
Gold (Mt.)	135.0	144.0	-6%
Gypsum (Mil. Mt.)	14.2	12.8	11%
Iron Ore (Mil. Mt.)	34.9	27.0	29%
Lead (000 Mt.)	220.0	219.0	0%
Molybdenum (000 Mt.)	31.8	37.7	-16%
Phosphate rock (Mil. Mt.)	16.6	18.0	-8%
Sand & gravel, construction (Mil. Mt.)	753.0	705.0	7%
Silver (Mt.)	773.0	760.0	2%
Soda ash (Mil. Mt.)	8.7	7.3	19%
Stone, crushed (Mil. Mt.)	1,140.0	1,110.0	3%
Zinc (000 Mt.)	530.0	505.0	5%

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 \$16.98/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	December 2021		December 2020		% Change of Stocks	November 2021		
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	% Change of Stocks
Northeast	Bituminous	2,851	365	3,657	313	-22.0%	2,525	365	12.9%
	Subbituminous	.	.	158	293	.	.	.	.
South	Bituminous	14,515	114	20,848	137	-30.4%	13,120	90	10.6%
	Subbituminous	3,921	68	6,491	107	-39.6%	3,565	59	10.0%
Midwest	Bituminous	10,653	113	13,470	127	-20.9%	9,827	93	8.4%
	Subbituminous	20,064	119	28,465	143	-29.5%	19,901	105	0.8%
West	Bituminous	2,051	126	3,838	199	-46.6%	1,993	101	2.9%
	Subbituminous	18,838	105	24,029	115	-21.6%	17,034	86	10.6%
U.S. Total	Bituminous	30,071	124	41,812	145	-28.1%	27,466	100	9.5%
	Subbituminous	42,822	106	59,143	126	-27.6%	40,499	90	5.7%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

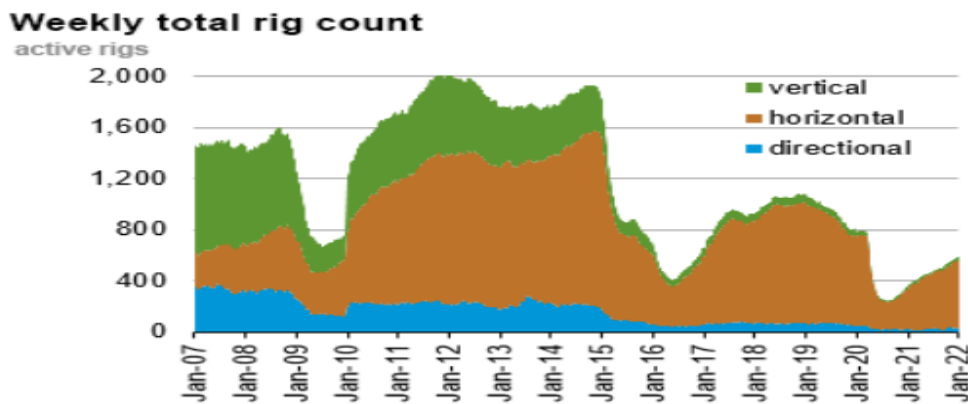
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-03-11	2022-03-04	change
East	290	317	-27
Midwest	337	364	-27
Mountain	87	93	-6
Pacific	155	162	-7
South Central	571	582	-11
Total	1,440	1,519	-79

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					
	March 2022	April 2022	change	March 2022	April 2022	change	March 2022	April 2022	change
Anadarko	764	749	(15)	3,890	3,773	(117)			
Appalachia	189	189	-	30,378	29,861	(517)			
Bakken	1,963	1,879	(84)	2,748	2,630	(118)			
Eagle Ford	2,116	2,053	(63)	7,597	7,369	(228)			
Haynesville	19	19	-	11,973	11,758	(215)			
Niobrara	1,593	1,577	(16)	4,201	4,117	(84)			
Permian	1,171	1,157	(14)	2,293	2,265	(28)			
Rig-weighted average	1,086	1,072	(14)	6,272	6,257	(15)			

Source: Energy Information Administration, *Drilling Productivity Report*

USGS Cobalt – U.S. Trade, Reported Stocks and Listed Prices

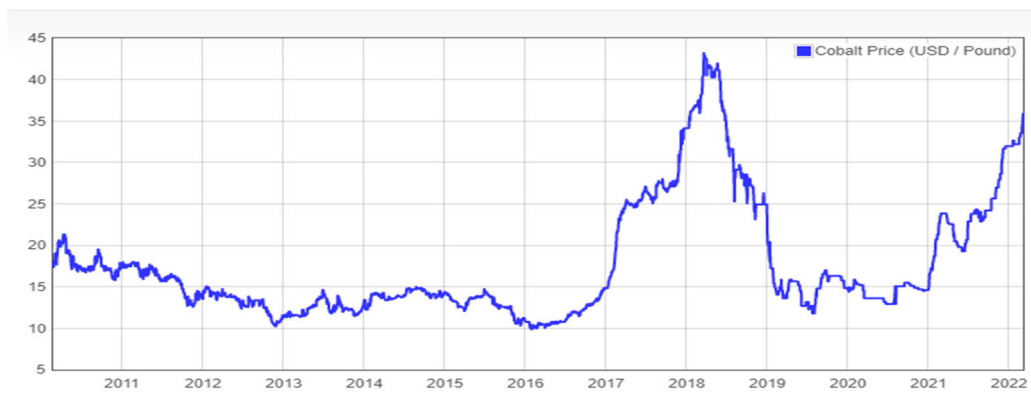
Cobalt - December 2021	Dec-21	Year to Date
U.S. Imports for Consumption - Metals (mt)	440	7,210
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	333	4,930
Reported Stocks of Cobalt Metal (mt)	U.S. Govt	LME
	302	256
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	32.78	31.26

Source: U.S. Geological Survey, Mineral Industry Survey, Mar. 2022

Source: U.S. Geological Survey, Mineral Industry Surveys, January 2022

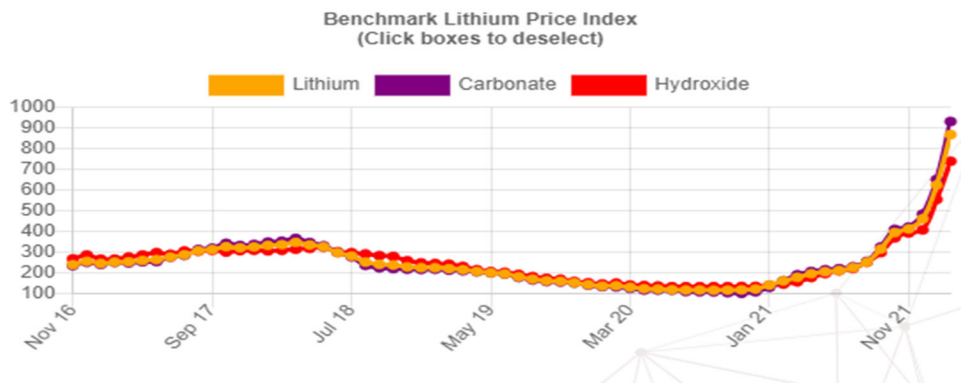
Cobalt and Lithium Prices

Cobalt Prices (US\$/pound):



Dailymetalprice.com: <https://www.dailymetalprice.com/metalpricecharts.php?c=co&u=lb&d=0>

Lithium Price Index:



Sources: Benchmark Mineral Intelligence - <https://www.benchmarkminerals.com/lithium-prices/>