
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

July 8, 2022 Edition
(Data for Week Ending July 2, 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. 27
Dated 07/08/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	07/02/22	07/03/21	% Chng	07/02/22	07/02/21	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,031	11,238	-1.8%	293,894	286,197	2.7%
52 Weeks Ended	583,879	552,760	5.6%			
AAR Coal Rail Cars Loaded:	64,375	66,380	-3.0%	1,690,716	1,630,070	3.7%
DOC Coal Trade (000 Tons)						
Exports:						
	May 22/21			Jan - May 22/21		
			% Chng			% Chng
Metallurgical	4,286	3,722	15.2%	18,991	17,784	6.8%
Steam Bit. *	3,055	3,721	-17.9%	16,473	17,032	-3.3%
Lignite	10	7	42.9%	35	34	2.9%
Anthracite	19	40	-52.5%	123	176	-30.1%
Total	7,370	7,490	-1.6%	35,622	35,026	1.7%
Imports:	325	512	-36.5%	2,330	2,097	11.1%
EI Electric Output (Mil. Kwh)						
	Week Ended			Cumulative Week 1 to		
	07/02/22	07/03/21	% Chng	07/02/22	07/03/21	% Chng
EI Electric Total Output (Mil. Kwh)	90,241	89,212	1.2%	2,109,670	2,040,670	3.4%
EI Coal Region Output (Mil. Kwh)	78,885	77,082	2.3%	1,832,872	1,765,685	3.8%
AISI Raw Steel Output (000 Tons)	1,767	1,849	-4.4%	45,868	46,900	-2.2%

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)	
	07/01/22	06/24/22	% Chng	Wed.	06/29/22
Central App, 12,500 Btu, 1.2 SO ₂	\$168.05	\$138.80	21.1%	Henry Hub	6.67
Northern App, 13,000 Btu, < 3.0 SO ₂	141.30	109.90	28.6%	New York	6.51
Illinois Basin, 11,800, 5.0 SO ₂	190.25	126.00	51.0%	Chicago	6.55
Powder River Basin, 8,800 Btu 0.8 SO ₂	16.55	16.55	0.0%	Cal.Comp.Avg.	7.02
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.65	39.55	2.8%		

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

EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	7/2/2022 (week 27)	6/25/2022 (week 26)	7/3/2021 (week 27)	7/2/2022	7/2/2021	% Change	7/2/2022	7/3/2021	% Change
Alabama	141	132	164	4,449	5,144	-13.5	8,549	10,698	-20.1
Alaska	17	17	18	501	549	-8.8	992	1,045	-5.1
Colorado	247	223	226	5,891	5,080	16.0	12,653	10,096	25.3
Illinois	654	611	700	18,546	21,117	-12.2	34,197	36,458	-6.2
Indiana	362	344	371	9,898	9,626	2.8	19,694	19,006	3.6
Kentucky total	499	486	506	13,829	13,329	3.8	26,908	25,822	4.2
Eastern (KY)	215	210	198	5,696	4,903	16.2	10,942	8,995	21.6
Western (KY)	284	276	307	8,133	8,425	-3.5	15,966	16,827	-5.1
Louisiana	6	5	6	132	122	8.4	309	270	14.4
Maryland	24	23	24	648	645	0.5	1,263	1,138	11.0
Mississippi	64	63	65	1,595	1,661	-4.0	3,126	2,881	8.5
Missouri	1	1	1	28	37	-23.7	35	112	-68.8
Montana	559	524	558	14,264	13,500	5.7	29,267	26,413	10.8
New Mexico	161	149	158	4,753	4,447	6.9	9,551	9,312	2.6
North Dakota	489	479	509	13,417	13,228	1.4	26,660	26,115	2.1
Ohio	45	40	48	1,268	1,310	-3.2	2,713	2,919	-7.1
Oklahoma	s	s	s	1	s	NM	1	s	100.0
Pennsylvania total	762	766	815	21,195	23,492	-9.8	40,140	41,945	-4.3
Anthracite (PA)	37	35	38	1,083	998	8.5	2,191	2,145	2.1
Bituminous (PA)	725	731	777	20,112	22,494	-10.6	37,949	39,800	-4.7
Texas	305	281	331	7,840	7,714	1.6	17,329	17,540	-1.2
Utah	220	210	237	6,048	6,300	-4.0	12,151	12,716	-4.4
Virginia	213	202	213	5,494	5,362	2.5	11,065	10,080	9.8
West Virginia total	1,510	1,455	1,500	40,929	40,413	1.3	79,104	74,057	6.8
Northern (WV)	829	806	833	22,778	22,759	0.1	44,378	42,472	4.5
Southern (WV)	681	648	668	18,151	17,655	2.8	34,726	31,585	9.9
Wyoming	4,751	4,608	4,788	123,166	113,122	8.9	248,172	224,134	10.7
Appalachian total	2,911	2,828	2,962	79,678	81,269	-2.0	153,776	149,833	2.6
Interior total	1,677	1,580	1,782	46,175	48,702	-5.2	90,659	93,095	-2.6
Western total	6,443	6,210	6,494	168,041	156,227	7.6	339,444	309,832	9.6
East of Mississippi River	4,275	4,122	4,406	117,852	122,098	-3.5	226,760	225,006	0.8
West of Mississippi River	6,755	6,497	6,832	176,042	164,099	7.3	357,120	327,754	9.0
Bituminous and lignite	10,993	10,583	11,200	292,811	285,200	2.7	581,688	550,614	5.6
Anthracite	37	35	38	1,083	998	8.5	2,191	2,145	2.1
U.S. total	11,031	10,619	11,238	293,894	286,197	2.7	583,879	552,760	5.6
Railroad cars loaded	64,375	62,041	66,380	1,690,716	1,630,070	3.7	3,386,887	3,171,991	6.8

Source: Energy Information Administration

EEI

Weekly Electric Output

Volume 90 No. 27

OUTPUT FOR WEEK ENDED - Jul 02, 2022

Jul 07, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Jul 02, 2022** was **90,241** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **185** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended July 02		52 Weeks Ended July 02	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,468	-13.4	115,473	-1.0
Mid-Atlantic	9,238	-9.2	419,544	0.6
Central Industrial	14,066	-1.0	659,471	2.4
West Central	7,072	-0.3	340,483	3.4
Southeast	23,206	4.4	1,029,575	2.1
South Central	18,662	11.6	814,620	6.0
Rocky Mountain	6,641	-0.4	293,769	0.2
Pacific Northwest	2,753	-12.7	159,781	2.0
Pacific Southwest	6,135	0.1	268,921	0.0
Total United States	90,241	1.2	4,101,635	2.5

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Jun 11	81,976	Jun 12	87,138	-5.9	Jun 11	4,091,334	2.5
Jun 18	91,360	Jun 19	86,207	6.0	Jun 18	4,096,486	2.4
Jun 25	89,484	Jun 26	85,364	4.8	Jun 25	4,100,606	2.5
Jul 02	90,241	Jul 03	89,212	1.2	Jul 02	4,101,635	2.5
Jul 02	2,109,670	Jul 03	2,040,670	3.4	YEAR TO DATE, FIRST 27 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Jun 11	173	Jun 12	181	Jun 13	176
Jun 18	193	Jun 19	180	Jun 20	165
Jun 25	186	Jun 26	175	Jun 27	174
Jul 02	185	Jul 03	180	Jul 04	182

* Excludes Alaska and Hawaii.

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

Copyright © 2022 Edison Electric Institute. All rights reserved.

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	2-Jul 2022 GWh Output	3-Jul 2021 GWh Output	% Increase Over Corresponding Week	2-Jul 2022 GWh Output	3-Jul 2021 GWh Output	% Increase Over Corresponding Week	2-Jul 2022 GWh Output	3-Jul 2021 GWh Output	% Increase Over Corresponding Week
New England	2,468	2,850	-13.4%	58,517	58,974	-0.8%	115,473	116,581	-1.0%
Mid-Atlantic	9,238	10,172	-9.2%	212,776	211,530	0.6%	419,544	417,002	0.6%
Central Industrial	14,066	14,209	-1.0%	344,122	335,692	2.5%	659,471	643,850	2.4%
West Central	7,072	7,091	-0.3%	174,751	169,406	3.2%	340,483	329,156	3.4%
Southeast	23,206	22,217	4.5%	532,396	517,657	2.8%	1,029,575	1,008,651	2.1%
South Central	18,662	16,722	11.6%	423,100	386,496	9.5%	814,620	768,376	6.0%
Rocky Mountain	6,641	6,671	-0.4%	145,727	144,904	0.6%	293,769	293,172	0.2%
Pacific Northwest	2,753	3,152	-12.7%	86,938	85,332	1.9%	159,781	156,609	2.0%
Pacific Southwest	6,135	6,128	0.1%	131,344	130,682	0.5%	268,921	268,801	0.0%
Total United States ^{1/}	90,241	89,212	1.2%	2,109,671	2,040,673	3.4%	4,101,637	4,002,198	2.5%
Coal Regions Only ^{2/}	78,885	77,082	2.3%	1,832,872	1,765,685	3.8%	3,557,462	3,460,207	2.8%

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

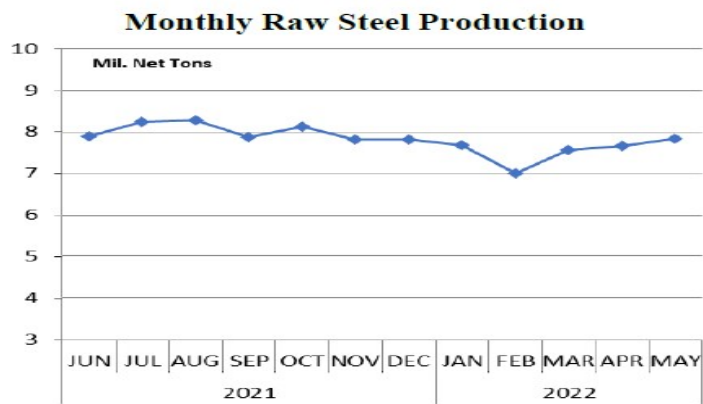
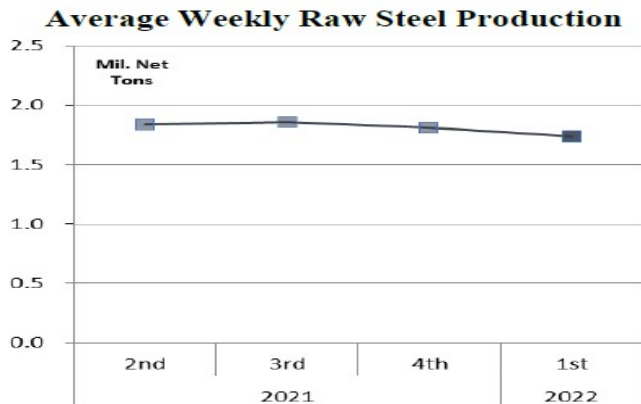
July 5, 2022

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 July 2</u>	<u>Week Ending June 25</u>	
<u>Week Ending</u>				North East	165	149
				Great Lakes	597	583
July 2, 2022	1,767	1.0	80.9	Midwest	204	208
July 2, 2021	1,849	-4.4	83.4	Southern	737	745
June 25, 2022	1,750	-0.5	80.2	Western	64	65
				Total	1,767	1,750
<u>Year-to-Date +</u>						
July 2, 2022	45,868	-2.2	80.5			
July 2, 2021	46,900	-	79.4			

*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: Rate of capability utilization for April 2022 was approximately 81.9%, 7.66 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 26, 2022 – Ended July 2, 2022

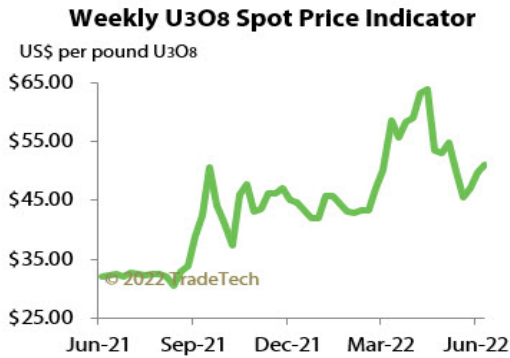
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	234,561	-1.0%	5,993,917	230,535	-0.1%
Chemicals	34,008	-2.5%	885,316	34,051	4.9%
Coal	64,375	-3.0%	1,683,469	64,749	3.6%
Farm Products excl. Grain, and Food	16,287	4.8%	424,074	16,311	2.9%
Forest Products	10,173	-4.8%	257,623	9,909	-1.6%
Grain	22,904	15.3%	591,643	22,756	-7.8%
Metallic Ores and Metals	22,159	-4.8%	540,044	20,771	-6.8%
Motor Vehicles and Parts	13,032	-1.5%	339,086	13,042	-1.9%
Nonmetallic Minerals	32,506	0.7%	792,508	30,481	4.9%
Petroleum and Petroleum Products	10,106	0.8%	243,682	9,372	-13.1%
Other	9,011	-17.0%	236,472	9,095	-8.1%
Total Intermodal Units	265,724	-3.7%	6,878,726	264,566	-6.2%
Total Traffic	500,285	-2.5%	12,872,643	495,102	-3.5%

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.

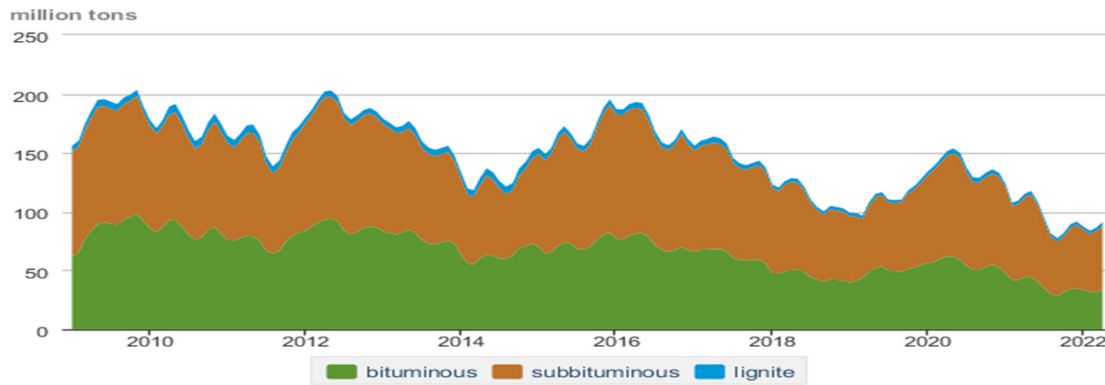
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

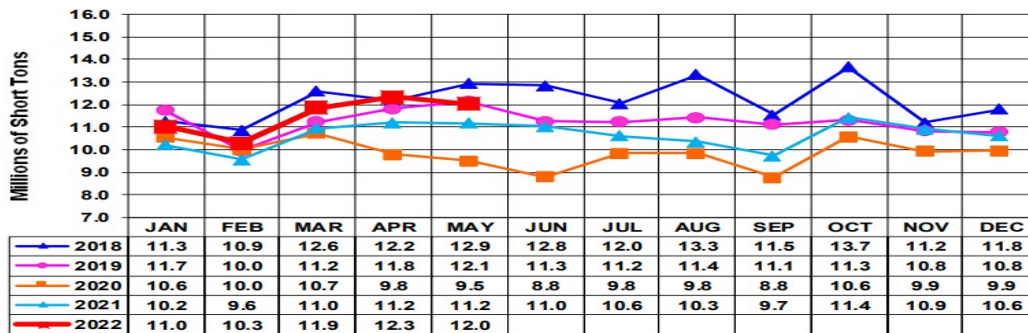
Coal stocks by type, January 2009 - April 2022



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.

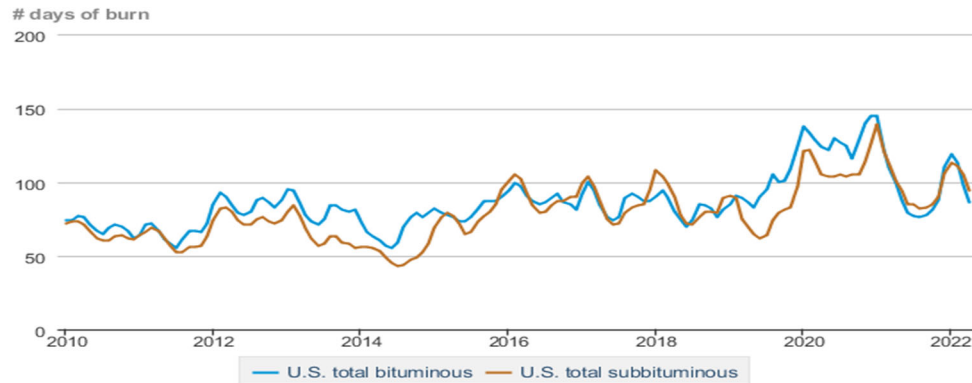
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	06/03/22	06/10/22	06/17/22	06/24/22	07/01/22	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$129.65	\$138.80	\$138.80	\$138.80	\$168.05	\$29.25
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$102.00	\$109.90	\$109.90	\$109.90	\$141.30	\$31.40
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$122.75	\$126.00	\$126.00	\$126.00	\$190.25	\$64.25
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$15.45	\$16.55	\$16.55	\$16.55	\$16.55	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$37.10	\$39.55	\$39.55	\$39.55	\$40.65	\$1.10

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

Days of burn by non-lignite coal rank, January 2010 - April 2022



Source: U.S. Energy Information Administration

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

Region	Temperature – heating & cooling degree days (week ending Jun 23)					
	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	23	14	14	7	-11	-25
Middle Atlantic	9	4	1	16	-16	-17
E N Central	6	0	-6	53	15	17
W N Central	0	-7	-8	84	34	23
South Atlantic	1	1	0	82	2	3
E S Central	0	0	-1	92	17	22
W S Central	0	0	0	135	28	23
Mountain	9	-8	7	53	-7	-39
Pacific	13	1	12	25	-1	-31
United States	7	0	1	60	5	-2

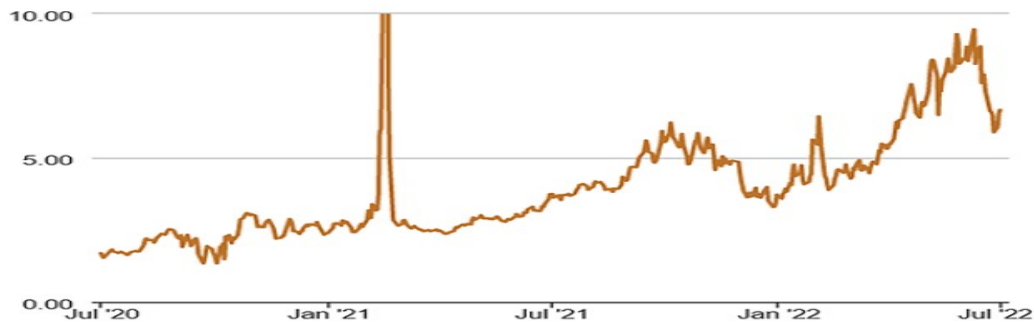
Data source: National Oceanic and Atmospheric Administration
Note: HDDs=heating degree days; CDDs=cooling degree days

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

USGS Production of Selected Mineral Commodities	2021 Year to Date - 4th Quarter	2020 Year to Date - 4th Quarter	Percent Change
Aluminum, secondary (000 Mt.)	837.0	742.0	13%
Cement (Mil. Mt.)	90.8	88.8	2%
Copper (000 Mt.)	1,230.0	1,200.0	2%
Gold (Mt.)	182.0	193.0	-6%
Gypsum (Mil. Mt.)	18.6	17.2	8%
Iron Ore (Mil. Mt.)	45.0	38.1	18%
Lead (000 Mt.)	285.0	297.0	-4%
Molybdenum (000 Mt.)	40.5	51.1	-21%
Phosphate rock (Mil. Mt.)	21.8	23.5	-7%
Sand & gravel, construction (Mil. Mt.)	1,000.0	942.0	6%
Silver (Mt.)	1,020.0	1,030.0	-1%
Soda ash (Mil. Mt.)	11.3	10.0	13%
Stone, crushed (Mil. Mt.)	1,540.0	1,470.0	5%
Zinc (000 Mt.)	689.0	697.0	-1%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2021 data are preliminary estimates. W - withheld, N/A - not available

Natural gas spot prices (Henry Hub)
dollars per million British thermal units



Data source: Natural Gas Intelligence

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	April 2022		April 2021		% Change of Stocks	March 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	1,392	231	2,720	365	-48.8%	1,507	259	-7.6%
	Subbituminous	-	-	-	-	-	-	-	-
South	Bituminous	12,737	77	16,908	91	-24.7%	12,491	91	2.0%
	Subbituminous	3,316	55	5,740	77	-42.2%	3,374	69	-1.7%
Midwest	Bituminous	8,159	85	8,973	88	-9.1%	7,410	92	10.1%
	Subbituminous	18,556	100	25,091	118	-26.0%	17,285	112	7.4%
West	Bituminous	2,868	142	2,801	144	2.4%	2,579	145	11.2%
	Subbituminous	19,902	101	21,662	93	-8.1%	19,376	110	2.7%
U.S. Total	Bituminous	25,156	86	31,401	99	-19.9%	23,986	98	4.9%
	Subbituminous	41,775	94	52,493	101	-20.4%	40,034	105	4.3%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

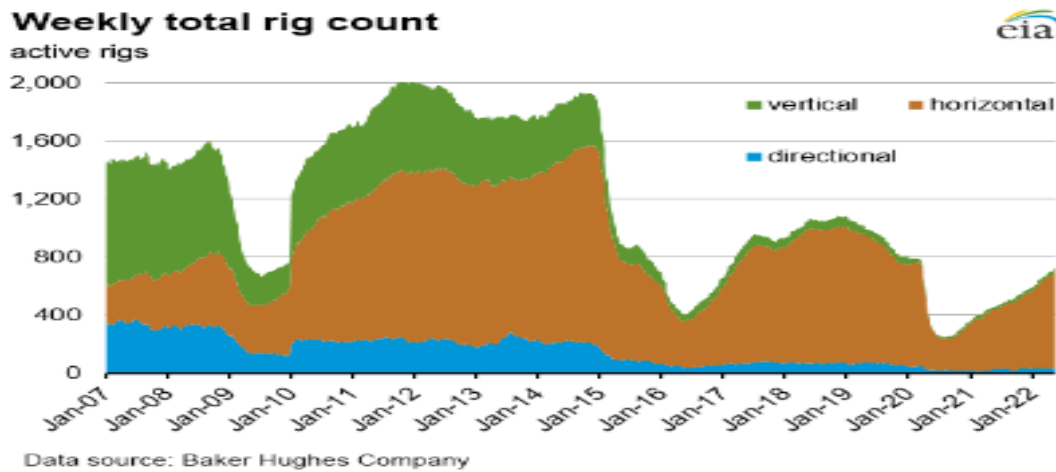
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-06-24	2022-06-17	change
East	461	430	31
Midwest	535	506	29
Mountain	134	128	6
Pacific	235	231	4
South Central	886	875	11
Total	2,251	2,169	82

Data 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: 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					
	June 2022	July 2022	change	June 2022	July 2022	change			
Anadarko	717	712	(5)	3,699	3,662	(37)			
Appalachia	190	190	-	28,506	28,021	(485)			
Bakken	1,800	1,711	(89)	2,610	2,480	(130)			
Eagle Ford	1,867	1,783	(84)	7,012	6,731	(281)			
Haynesville	20	20	-	11,338	11,134	(204)			
Niobrara	1,548	1,532	(16)	3,954	3,875	(79)			
Permian	1,129	1,116	(13)	2,203	2,176	(27)			
Rig-weighted average	1,034	1,016	(18)	6,006	5,897	(109)			

Source: Energy Information Administration, *Drilling Productivity Report*

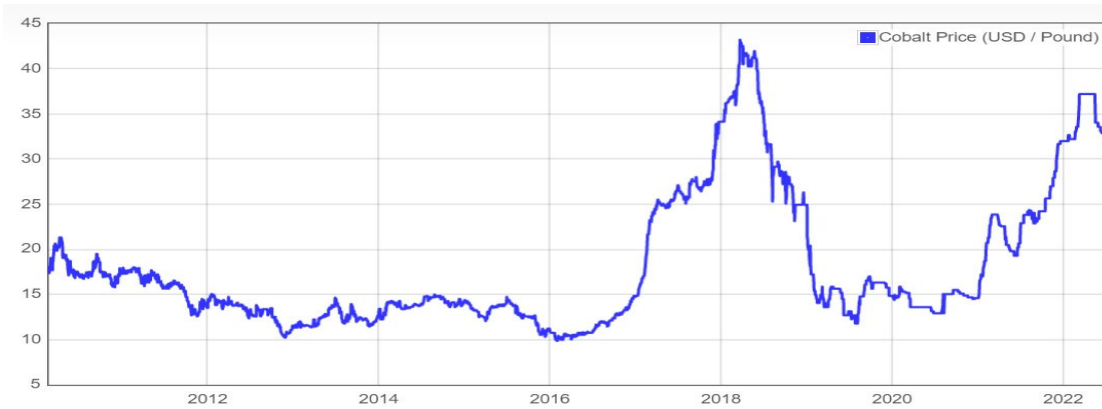
USGS Cobalt – U.S. Trade, Reported Stocks and Listed Prices

Cobalt - March 2022	Mar-22	Year to Date
U.S. Imports for Consumption - Metals (mt)	648	1,840
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	597	1,340
Reported Stocks of Cobalt Metal (mt)	U.S. Govt	LME
	302	248
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	38.17	36.47

Source: USGS, Mineral Industry Survey, Cobalt in March 2022, May 2022

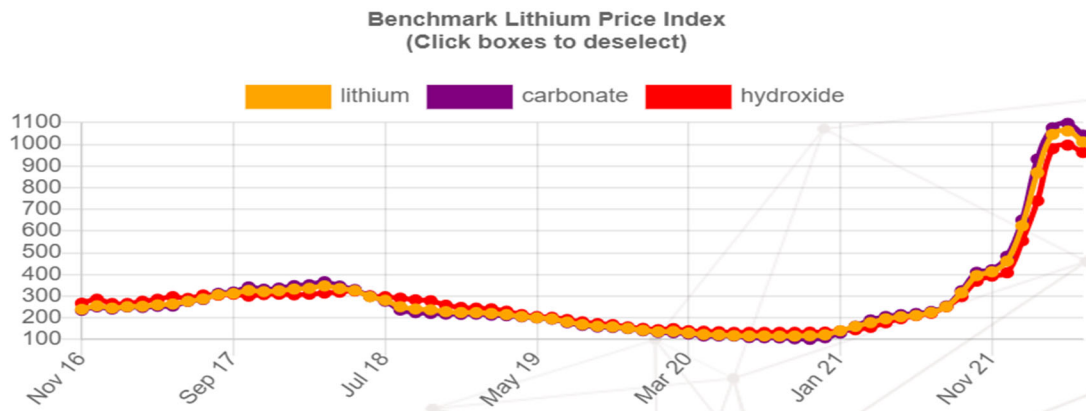
Cobalt and Lithium Prices

Cobalt Prices (US\$/pound):



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

Lithium Price Index:



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