
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

April 29, 2022 Edition
(Data for Week Ending April 23, 2022)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 60, No. 17
Dated 04/29/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/23/22	04/24/21	% Chng	04/23/22	04/23/21	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	9,874	10,847	-9.0%	182,165	174,965	4.1%
52 Weeks Ended	583,851	529,290	10.3%			
AAR Coal Rail Cars Loaded:	57,894	64,252	-9.9%	1,045,774	969,922	7.8%
Coal Production	March 22/21		% Chng	Jan - Mar 22/21		% Chng
Month Ended - March	50,692	50,881	-0.4%	147,438	140,306	5.1%
DOC Coal Trade (000 Tons)						
Exports:	Feb 22/21		% Chng	Jan - Feb 22/21		% Chng
Metallurgical	3,998	3,709	7.8%	6,943	6,958	-0.2%
Steam Bit. *	3,159	3,652	-13.5%	5,917	6,092	-2.9%
Lignite	4	7	-42.9%	12	14	-14.3%
Anthracite	6	31	-80.6%	11	71	-84.5%
Total	7,167	7,399	-3.1%	12,883	13,135	-1.9%
Imports:	289	309	-6.5%	792	835	-5.1%
	Week Ended			Cumulative Week 1 to		
	04/23/22	04/24/21	% Chng	04/23/22	04/24/21	% Chng
EEl Electric Total Output (Mil. Kwh)	70,971	67,705	4.8%	1,301,233	1,260,508	3.2%
EEl Coal Region Output (Mil. Kwh)	61,638	58,437	5.5%	1,124,785	1,087,893	3.4%
AISI Raw Steel Output (000 Tons)	1,784	1,834	-2.7%	28,200	28,506	-1.1%

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)	
	04/22/22	04/15/22	% Chng	Wed.	04/20/22
Central App, 12,500 Btu, 1.2 SO ₂	\$117.05	\$117.05	0.0%	Henry Hub	7.04
Northern App, 13,000 Btu, < 3.0 SO ₂	94.85	94.85	0.0%	New York	6.45
Illinois Basin, 11,800, 5.0 SO ₂	117.65	117.65	0.0%	Chicago	6.71
Powder River Basin, 8,800 Btu 0.8 SO ₂	15.70	15.70	0.0%	Cal.Comp.Avg.	7.28
Uinta Basin, 11,700 Btu, 0.8 SO ₂	36.55	36.55	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		
	4/23/2022 (week 14)	4/16/2022 (week 13)	4/24/2021 (week 14)	4/23/2022	4/23/2021	% Change	4/23/2022	4/24/2021	% Change
Alabama	124	135	161	2,776	3,624	-23.4	8,450	11,620	-27.3
Alaska	15	16	18	335	367	-8.7	1,008	1,035	-2.6
Colorado	199	231	196	3,485	3,049	14.3	12,286	9,796	25.4
Illinois	617	712	745	13,473	13,577	-0.8	36,713	34,432	6.6
Indiana	306	332	352	5,706	6,004	-5.0	19,127	18,745	2.0
Kentucky total	468	487	509	8,615	8,214	4.9	26,970	24,040	12.2
Eastern (KY)	198	208	201	3,416	2,950	15.8	10,778	8,385	28.5
Western (KY)	269	280	308	5,199	5,264	-1.2	16,191	15,655	3.4
Louisiana	4	5	5	72	73	-0.1	299	297	0.7
Maryland	22	25	22	419	413	1.5	1,315	1,116	17.8
Mississippi	58	62	63	985	1,013	-2.7	3,165	2,824	12.1
Missouri	1	1	1	21	23	-5.5	43	127	-66.1
Montana	483	537	513	8,784	8,207	7.0	29,090	25,312	14.9
New Mexico	128	139	156	2,444	2,849	-14.2	8,840	9,353	-5.5
North Dakota	427	437	461	8,047	8,470	-5.0	26,060	26,005	0.2
Ohio	35	40	41	725	884	-18.0	2,597	3,025	-14.1
Oklahoma	s	s	.	s	.	100.0	1	.	.
Pennsylvania total	799	790	868	15,483	14,540	6.5	43,211	37,967	13.8
Anthracite (PA)	29	31	36	550	609	-9.6	2,026	2,167	-6.5
Bituminous (PA)	769	759	832	14,933	13,931	7.2	41,185	35,800	15.0
Texas	239	273	295	4,455	4,667	-4.6	16,999	18,020	-5.7
Utah	186	200	229	3,598	3,859	-6.8	12,053	12,632	-4.6
Virginia	194	212	199	3,606	3,317	8.7	11,236	9,492	18.4
West Virginia total	1,374	1,463	1,506	26,144	24,687	5.9	79,933	69,716	14.7
Northern (WV)	767	795	841	15,081	14,146	6.6	45,310	40,124	12.9
Southern (WV)	607	668	665	11,063	10,541	5.0	34,624	29,592	17.0
Wyoming	4,195	4,405	4,507	72,990	67,129	8.7	244,455	213,736	14.4
Appalachian total	2,746	2,874	2,998	52,570	50,415	4.3	157,522	141,320	11.5
Interior total	1,495	1,665	1,770	29,912	30,621	-2.3	92,538	90,100	2.7
Western total	5,633	5,966	6,080	99,683	93,929	6.1	333,792	297,869	12.1
East of Mississippi River	3,997	4,260	4,467	77,933	76,273	2.2	232,717	212,977	9.3
West of Mississippi River	5,877	6,245	6,381	104,232	98,691	5.6	351,135	316,313	11.0
Bituminous and lignite	9,845	10,474	10,812	181,615	174,356	4.2	581,826	527,123	10.4
Anthracite	29	31	36	550	609	-9.6	2,026	2,167	-6.5
U.S. total	9,874	10,505	10,847	182,165	174,965	4.1	583,851	529,290	10.3
Railroad cars loaded	57,894	61,550	64,252	1,045,774	969,922	7.8	3,402,366	2,993,659	13.7

Source: Energy Information Administration



Weekly Electric Output

Volume 90 No. 17

OUTPUT FOR WEEK ENDED - Apr 23, 2022

Apr 27, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Apr 23, 2022** was **70,971** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **184** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended April 23		52 Weeks Ended April 23	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	1,818	-1.2	116,478	0.8
Mid-Atlantic	6,836	1.5	421,016	1.9
Central Industrial	11,666	3.5	657,068	3.1
West Central	5,702	3.3	340,154	4.6
Southeast	17,863	3.3	1,019,713	1.9
South Central	14,771	15.3	793,911	3.9
Rocky Mountain	4,800	-0.1	295,303	2.0
Pacific Northwest	3,112	12.5	160,463	4.0
Pacific Southwest	4,403	-5.5	269,254	0.9
Total United States	70,971	4.8	4,073,361	2.7

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Apr 02	71,560	Apr 03	68,183	5.0	Apr 02	4,063,718	2.7
Apr 09	71,047	Apr 10	67,321	5.5	Apr 09	4,067,444	2.7
Apr 16	69,530	Apr 17	66,881	4.0	Apr 16	4,070,094	2.7
Apr 23	70,971	Apr 24	67,705	4.8	Apr 23	4,073,360	2.7
Apr 23	1,301,233	Apr 24	1,260,508	3.2	YEAR TO DATE, FIRST 17 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Apr 02	177	Apr 03	165	Apr 04	164
Apr 09	177	Apr 10	165	Apr 11	164
Apr 16	174	Apr 17	164	Apr 18	164
Apr 23	184	Apr 24	168	Apr 25	170

* 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		
	23-Apr 2022 GWh Output	24-Apr 2021 GWh Output	% Increase Over Corresponding Week	23-Apr 2022 GWh Output	24-Apr 2021 GWh Output	% Increase Over Corresponding Week	23-Apr 2022 GWh Output	24-Apr 2021 GWh Output	% Increase Over Corresponding Week
New England	1,818	1,840	-1.2%	38,112	37,566	1.5%	116,478	115,596	0.8%
Mid-Atlantic	6,836	6,736	1.5%	135,598	132,879	2.0%	421,016	413,345	1.9%
Central Industrial	11,666	11,270	3.5%	217,201	211,175	2.9%	657,068	637,141	3.1%
West Central	5,702	5,518	3.3%	109,432	104,413	4.8%	340,154	325,050	4.6%
Southeast	17,863	17,294	3.3%	326,086	321,209	1.5%	1,019,713	1,000,662	1.9%
South Central	14,771	12,812	15.3%	245,860	229,965	6.9%	793,911	763,747	3.9%
Rocky Mountain	4,800	4,807	-0.1%	90,608	88,252	2.7%	295,303	289,471	2.0%
Pacific Northwest	3,112	2,767	12.5%	59,008	56,717	4.0%	160,463	154,306	4.0%
Pacific Southwest	4,403	4,661	-5.5%	79,328	78,334	1.3%	269,254	266,916	0.9%
Total United States ^{1/}	<u>70,971</u>	<u>67,705</u>	4.8%	<u>1,301,233</u>	<u>1,260,510</u>	3.2%	<u>4,073,360</u>	<u>3,966,234</u>	2.7%
Coal Regions Only ^{2/}	61,638	58,437	5.5%	1,124,785	1,087,893	3.4%	3,527,165	3,429,416	2.9%

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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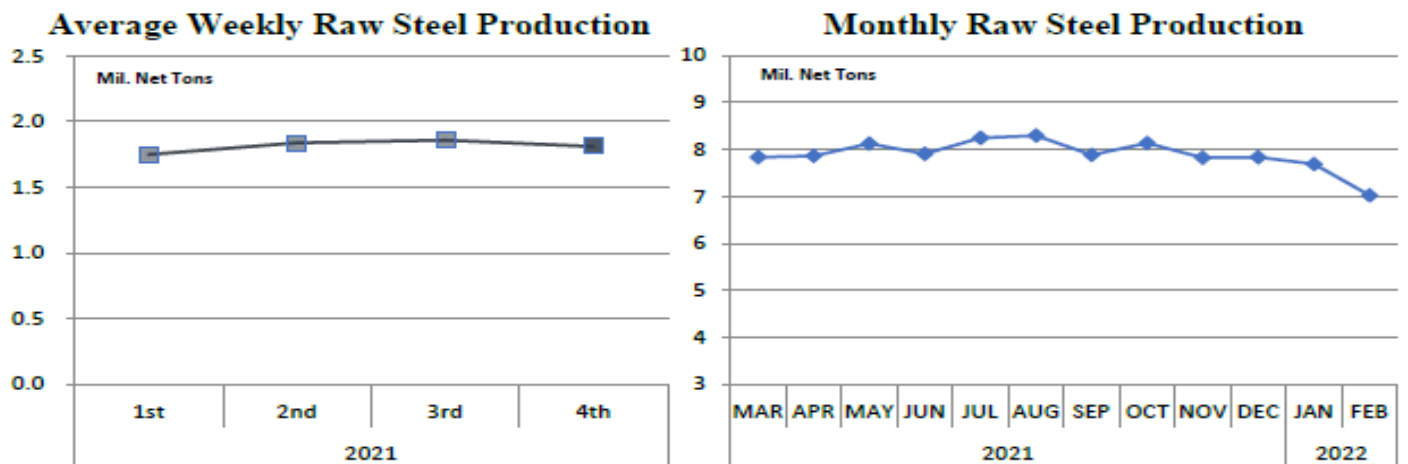
April 25, 2022

ESTIMATED WEEKLY RAW STEEL* PRODUCTION

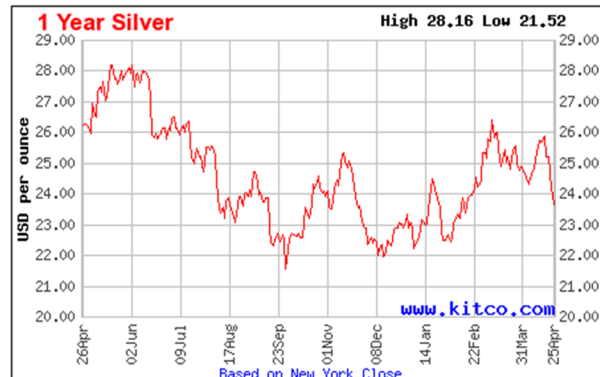
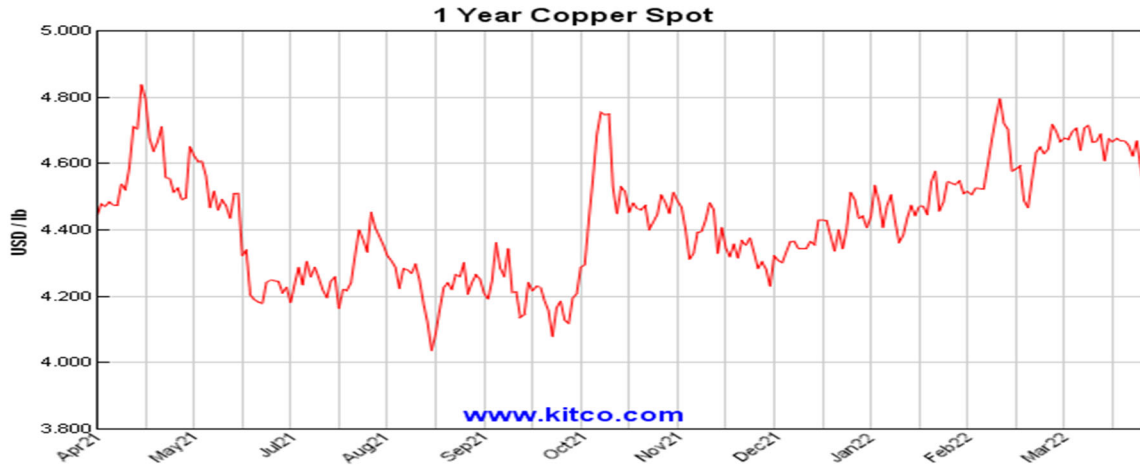
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capacity Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending Apr 23</u>	<u>Week Ending Apr 16</u>	
<u>Week Ending</u>				North East	167	164
				Great Lakes	571	562
April 23, 2022	1,784	1.0	81.7	Midwest	212	213
April 23, 2021	1,834	-2.7	80.8	Southern	766	750
April 16, 2022	1,766	1.6	80.9	Western	68	77
				Total	1,784	1,766
<u>Year-to-Date +</u>						
April 23, 2022	28,200	-1.1	80.3			
April 23, 2021	28,506	-	78.0			

*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 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.



*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 16, 2022 – Ended April 23, 2022

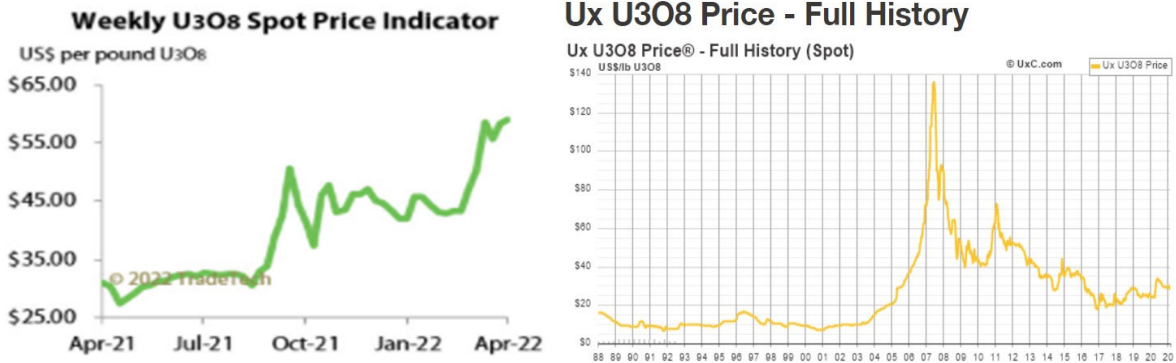
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	229,044	-4.5%	3,673,871	229,617	1.4%
Chemicals	34,796	-0.1%	552,599	34,537	8.0%
Coal	57,894	-9.4%	1,038,529	64,908	7.8%
Farm Products excl. Grain, and Food	16,260	4.2%	263,453	16,466	3.1%
Forest Products	9,764	-5.9%	158,660	9,916	-0.2%
Grain	23,106	-9.2%	370,524	23,158	-8.6%
Metallic Ores and Metals	22,259	-8.1%	326,691	20,418	-4.6%
Motor Vehicles and Parts	13,250	17.1%	204,603	12,788	-7.8%
Nonmetallic Minerals	32,920	0.0%	466,383	29,149	7.5%
Petroleum and Petroleum Products	10,078	-9.5%	148,171	9,261	-15.5%
Other	8,717	-13.6%	144,258	9,016	-5.5%
Total Intermodal Units	268,967	-9.8%	4,179,322	261,208	-7.0%
Total Traffic	498,011	-7.4%	7,853,193	490,825	-3.2%

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.

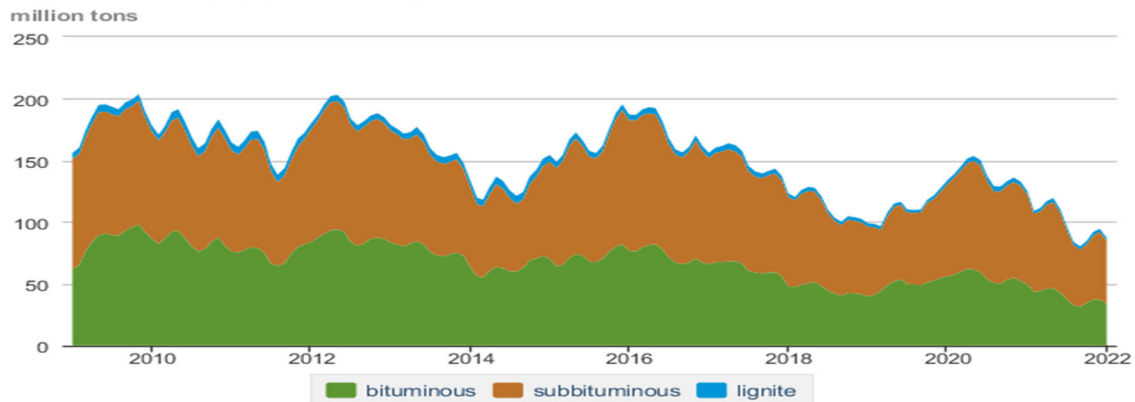
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

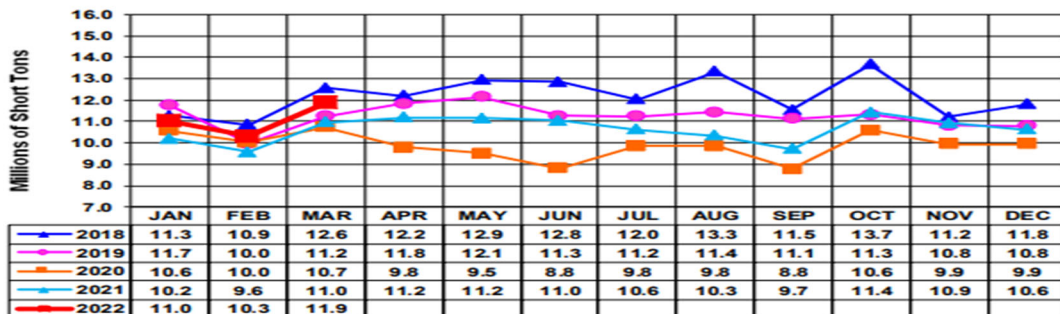
Coal stocks by type, January 2009 - January 2022



eia 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

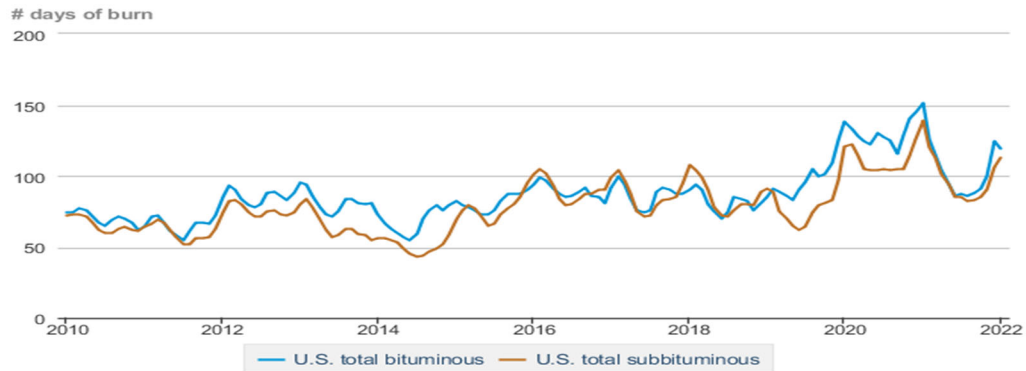
Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago change
	03/25/22	04/01/22	04/08/22	04/15/22	04/22/22	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$97.30	\$106.15	\$106.15	\$117.05	\$117.05	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$81.80	\$92.00	\$92.00	\$94.85	\$94.85	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$97.00	\$109.55	\$109.55	\$117.85	\$117.85	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$16.75	\$16.10	\$16.10	\$15.70	\$15.70	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$33.30	\$36.35	\$36.35	\$36.55	\$36.55	\$0.00

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 - January 2022



Source: U.S. Energy Information Administration

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

Region	Temperature – heating & cooling degree days (week ending Apr 14)					
	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	103	-40	13	0	0	0
Middle Atlantic	91	-35	17	1	1	1
E N Central	123	-7	45	0	0	-1
W N Central	135	14	14	0	-1	0
South Atlantic	60	-3	31	18	5	-2
E S Central	65	7	37	8	3	2
W S Central	25	-2	8	34	16	1
Mountain	140	21	22	7	0	-3
Pacific	80	10	16	4	2	4
United States	94	-4	25	9	4	0

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



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	January 2022		January 2021		% Change of Stocks	December 2021		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,169	349	3,386	365	-36.0%	2,851	365	-23.9%
	Subbituminous	-	-	72	189	-	-	-	-
South	Bituminous	11,824	100	19,198	144	-38.4%	14,515	114	-18.5%
	Subbituminous	3,559	67	5,886	111	-39.5%	3,921	68	-9.2%
Midwest	Bituminous	10,559	127	11,940	132	-11.6%	10,653	113	-0.9%
	Subbituminous	17,134	121	28,008	156	-38.8%	20,064	119	-14.6%
West	Bituminous	2,150	138	2,990	177	-28.1%	2,051	126	4.8%
	Subbituminous	19,178	120	25,175	132	-23.8%	18,838	105	1.8%
U.S. Total	Bituminous	26,702	119	37,515	151	-28.8%	30,071	124	-11.2%
	Subbituminous	39,871	113	59,141	139	-32.6%	42,822	106	-6.9%

Source: U.S. Energy Information Administration

NOTE: Stockpile levels shown above reflect a sample of electric power sector plants, which were used to create the days of burn statistics. These levels will not equal total electric power sector stockpile levels.

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

Working gas in underground storage

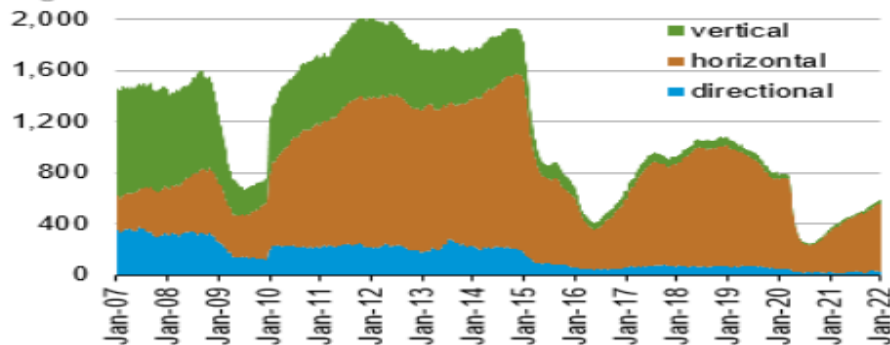
Region	Stocks billion cubic feet (Bcf)		
	2022-04-15	2022-04-08	change
East	238	229	9
Midwest	304	293	11
Mountain	89	90	-1
Pacific	169	169	0
South Central	650	617	33
Total	1,450	1,397	53

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
active rigs



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

NEW-WELL PRODUCTION
PER RIG BY REGION

PRODUCTION
BY REGION

DUC WELLS BY
REGION

Region	New-well oil production per rig barrels/day			New-well gas production per rig thousand cubic feet/day		
	April 2022	May 2022	change	April 2022	May 2022	change
Anadarko	726	721	(5)	3,773	3,735	(38)
Appalachia	189	189	-	29,500	28,999	(501)
Bakken	1,879	1,847	(32)	2,630	2,588	(44)
Eagle Ford	2,052	1,990	(62)	7,370	7,149	(221)
Haynesville	20	20	-	11,757	11,546	(211)
Niobrara	1,578	1,562	(16)	4,117	4,035	(82)
Permian	1,160	1,146	(14)	2,261	2,234	(27)
Rig-weighted average	1,072	1,051	(21)	6,225	6,161	(64)

Source: Energy Information Administration, *Drilling Productivity Report*

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

Cobalt - January 2022	Jan-22	Year to Date
U.S. Imports for Consumption - Metals (mt)	754	754
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	454	454
Reported Stocks of Cobalt Metal (mt)	U.S. Govt	LME
	302	256
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	34.11	31.84

Source: USGS, Mineral Industry Survey, Cobalt in January 2022, April 2022

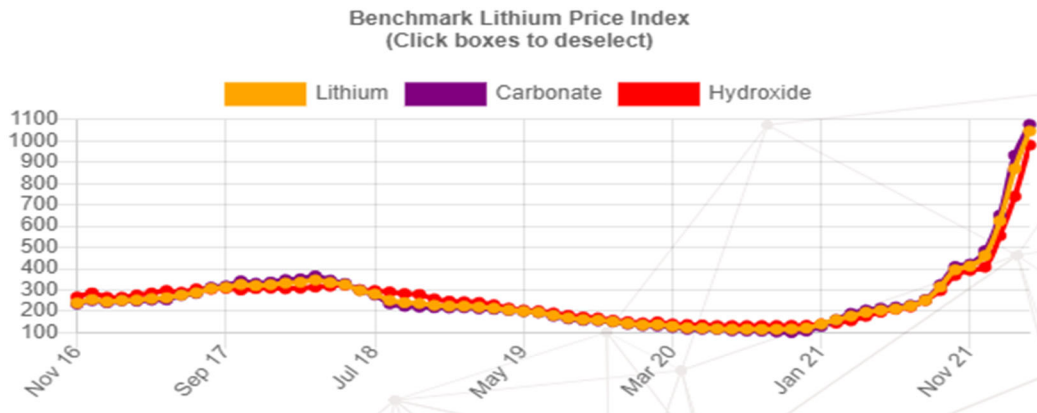
Cobalt and Lithium Prices

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/>