
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

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

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

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Dated 07/29/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	07/23/22	07/24/21	% Chng	07/23/22	07/23/21	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,530	11,213	2.8%	326,717	319,125	2.4%
52 Weeks Ended	583,785	556,496	4.9%			
AAR Coal Rail Cars Loaded:	67,719	65,945	2.7%	1,884,174	1,823,726	3.3%
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%
EEI Electric Total Output (Mil. Kwh)						
	Week Ended			Cumulative Week 1 to		
	07/23/22	07/24/21	% Chng	07/23/22	07/24/21	% Chng
EEI Coal Region Output (Mil. Kwh)	86,986	77,909	11.7%	2,082,093	1,997,521	4.2%
AISI Raw Steel Output (000 Tons)	1,754	1,862	-5.8%	51,108	52,485	-2.6%

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)	
	07/22/22	07/15/22	% Chng	Wed.	07/20/22
Central App, 12,500 Btu, 1.2 SO ₂	\$176.15	\$177.30	-0.6%	Henry Hub	7.56
Northern App, 13,000 Btu, < 3.0 SO ₂	137.30	142.55	-3.7%	New York	8.28
Illinois Basin, 11,800, 5.0 SO ₂	169.50	183.50	-7.6%	Chicago	7.44
Powder River Basin, 8,800 Btu 0.8 SO ₂	16.35	16.55	-1.2%	Cal.Comp.Avg.	8.13
Uinta Basin, 11,700 Btu, 0.8 SO ₂	43.15	41.50	4.0%		

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

EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	7/23/2022 (week 30)	7/16/2022 (week 29)	7/24/2021 (week 30)	7/23/2022	7/23/2021	% Change	7/23/2022	7/24/2021	% Change
Alabama	135	129	167	4,831	5,692	-15.1	8,455	10,623	-20.4
Alaska	17	16	17	550	599	-8.2	991	1,046	-5.3
Colorado	284	282	256	6,711	5,832	15.1	12,720	10,315	23.3
Illinois	605	578	611	20,226	22,910	-11.7	34,084	36,617	-6.9
Indiana	378	371	378	10,979	10,736	2.3	19,665	19,053	3.2
Kentucky total	515	497	481	15,261	14,740	3.5	26,929	25,841	4.2
Eastern (KY)	229	220	190	6,311	5,462	15.5	10,998	9,112	20.7
Western (KY)	287	276	290	8,950	9,278	-3.5	15,931	16,729	-4.8
Louisiana	7	8	8	153	146	4.9	306	280	9.3
Maryland	25	25	25	709	718	-1.3	1,251	1,161	7.8
Mississippi	65	64	65	1,779	1,851	-3.9	3,120	2,880	8.3
Missouri	s	s	s	29	37	-21.1	36	104	-65.4
Montana	602	596	590	15,989	15,233	5.0	29,259	26,791	9.2
New Mexico	171	183	153	5,252	4,897	7.2	9,600	9,160	4.8
North Dakota	507	485	549	14,863	14,840	0.2	26,495	26,297	0.8
Ohio	48	48	55	1,407	1,472	-4.4	2,690	2,898	-7.2
Oklahoma	s	s	s	1	s	NM	1	s	100.0
Pennsylvania total	729	695	698	23,278	25,542	-8.9	40,173	42,078	-4.5
Anthracite (PA)	40	42	38	1,201	1,110	8.2	2,197	2,127	3.3
Bituminous (PA)	688	653	660	22,077	24,432	-9.6	37,976	39,951	-4.9
Texas	341	338	364	8,823	8,781	0.5	17,245	17,495	-1.4
Utah	225	221	237	6,695	6,995	-4.3	12,103	12,695	-4.7
Virginia	222	219	217	6,132	6,001	2.2	11,005	10,260	7.3
West Virginia total	1,535	1,485	1,412	45,298	44,503	1.8	79,373	74,534	6.5
Northern (WV)	846	811	781	25,184	25,051	0.5	44,552	42,686	4.4
Southern (WV)	689	674	631	20,115	19,452	3.4	34,822	31,848	9.3
Wyoming	5,118	4,985	4,930	137,750	127,599	8.0	248,282	226,368	9.7
Appalachian total	2,922	2,821	2,765	87,966	89,390	-1.6	153,946	150,667	2.2
Interior total	1,684	1,636	1,715	50,941	53,739	-5.2	90,389	93,157	-3.0
Western total	6,925	6,768	6,732	187,810	175,996	6.7	339,451	312,672	8.6
East of Mississippi River	4,256	4,111	4,109	129,901	134,165	-3.2	226,745	225,945	0.4
West of Mississippi River	7,274	7,114	7,104	196,817	184,960	6.4	357,040	330,551	8.0
Bituminous and lignite	11,490	11,182	11,174	325,516	318,015	2.4	581,588	554,369	4.9
Anthracite	40	42	38	1,201	1,110	8.2	2,197	2,127	3.3
U.S. total	11,530	11,224	11,213	326,717	319,125	2.4	583,785	556,496	4.9
Railroad cars loaded	67,719	65,634	65,945	1,884,174	1,823,726	3.3	3,386,745	3,199,936	5.8

Source: Energy Information Administration



Weekly Electric Output

Volume 90 No. 30

OUTPUT FOR WEEK ENDED - Jul 23, 2022

Jul 27, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Jul 23, 2022** was **99,445** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **191** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended July 23		52 Weeks Ended July 23	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	3,027	22.7	115,965	0.1
Mid-Atlantic	10,825	17.6	419,855	1.1
Central Industrial	15,354	9.4	661,329	3.2
West Central	8,291	7.9	341,765	4.1
Southeast	24,240	9.7	1,034,025	2.8
South Central	20,670	15.8	823,794	7.7
Rocky Mountain	7,606	8.0	294,081	-0.1
Pacific Northwest	2,965	2.3	159,628	1.6
Pacific Southwest	6,467	-0.6	268,130	-0.7
Total United States	99,445	10.8	4,118,572	3.2

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Jul 02	90,241	Jul 03	89,212	1.2	Jul 02	4,101,635	2.5
Jul 09	91,757	Jul 10	87,567	4.8	Jul 09	4,105,825	2.7
Jul 16	92,684	Jul 17	89,602	3.4	Jul 16	4,108,907	2.8
Jul 23	99,445	Jul 24	89,781	10.8	Jul 23	4,118,572	3.2
Jul 23	2,393,556	Jul 24	2,307,619	3.7	YEAR TO DATE, FIRST 30 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Jul 02	185	Jul 03	180	Jul 04	182
Jul 09	184	Jul 10	172	Jul 11	186
Jul 16	177	Jul 17	169	Jul 18	178
Jul 23	191	Jul 24	171	Jul 25	182

* 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-Jul 2022 GWh Output	24-Jul 2021 GWh Output	% Increase Over Corresponding Week	23-Jul 2022 GWh Output	24-Jul 2021 GWh Output	% Increase Over Corresponding Week	23-Jul 2022 GWh Output	24-Jul 2021 GWh Output	% Increase Over Corresponding Week
New England	3,027	2,466	22.7%	66,379	66,343	0.1%	115,965	115,816	0.1%
Mid-Atlantic	10,825	9,202	17.6%	242,067	240,509	0.6%	419,855	415,431	1.1%
Central Industrial	15,354	14,039	9.4%	387,736	377,448	2.7%	661,329	640,587	3.2%
West Central	8,291	7,683	7.9%	198,074	191,447	3.5%	341,765	328,226	4.1%
Southeast	24,240	22,093	9.7%	602,781	583,594	3.3%	1,034,025	1,005,799	2.8%
South Central	20,670	17,850	15.8%	484,269	438,491	10.4%	823,794	765,098	7.7%
Rocky Mountain	7,606	7,042	8.0%	167,166	166,032	0.7%	294,081	294,316	-0.1%
Pacific Northwest	2,965	2,899	2.3%	95,505	94,051	1.5%	159,628	157,118	1.6%
Pacific Southwest	6,467	6,507	-0.6%	149,579	149,708	-0.1%	268,130	270,139	-0.7%
Total United States ^{1/}	99,445	89,781	10.8%	2,393,556	2,307,623	3.7%	4,118,572	3,992,530	3.2%
Coal Regions Only ^{2/}	86,986	77,909	11.7%	2,082,093	1,997,521	4.2%	3,574,849	3,449,457	3.6%

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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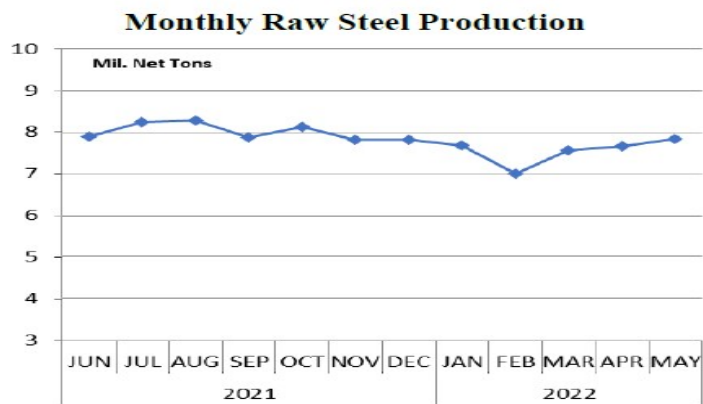
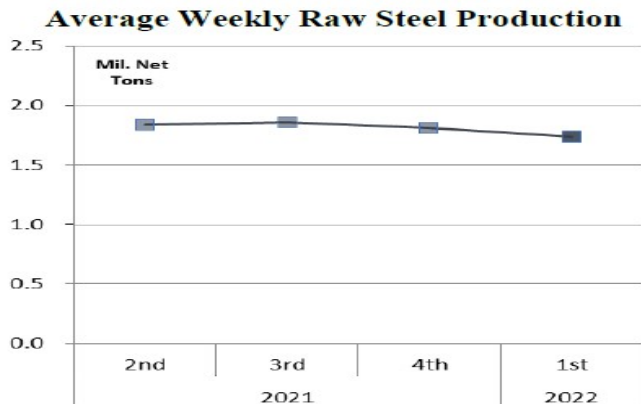
July 25, 2022

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 23</u>	<u>Week Ending July 16</u>	
<u>Week Ending</u>				North East	171	166
				Great Lakes	568	574
July 23, 2022	1,754	0.9	79.6	Midwest	210	205
July 23, 2021	1,862	-5.8	84.4	Southern	738	724
July 16, 2022	1,738	-0.6	78.9	Western	67	69
				Total	1,754	1,738
<u>Year-to-Date +</u>						
July 23, 2022	51,108	-2.6	80.4			
July 23, 2021	52,485	-	80.1			

*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: 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 29, 2022 – Ended July 23, 2022

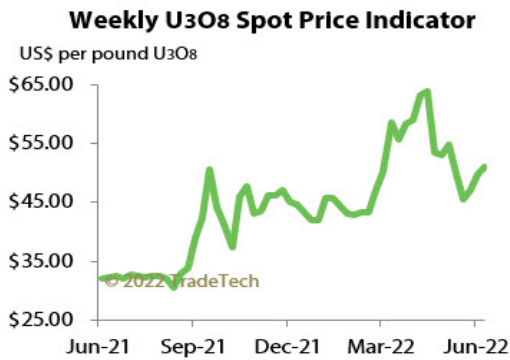
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	232,565	1.1%	6,663,741	229,784	-0.2%
Chemicals	31,875	0.4%	979,858	33,788	4.3%
Coal	67,719	2.7%	1,876,927	64,722	3.2%
Farm Products excl. Grain, and Food	15,627	6.5%	472,101	16,279	3.3%
Forest Products	9,590	-1.5%	286,197	9,869	-1.7%
Grain	20,709	-0.2%	648,135	22,349	-7.5%
Metallic Ores and Metals	21,601	-6.6%	601,710	20,749	-7.1%
Motor Vehicles and Parts	12,559	16.6%	375,286	12,941	-0.9%
Nonmetallic Minerals	33,379	0.8%	888,528	30,639	4.7%
Petroleum and Petroleum Products	10,038	-4.7%	273,290	9,424	-12.2%
Other	9,468	-2.4%	261,709	9,024	-8.2%
Total Intermodal Units	266,336	-2.5%	7,644,302	263,597	-5.9%
Total Traffic	498,901	-0.8%	14,308,043	493,381	-3.3%

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.

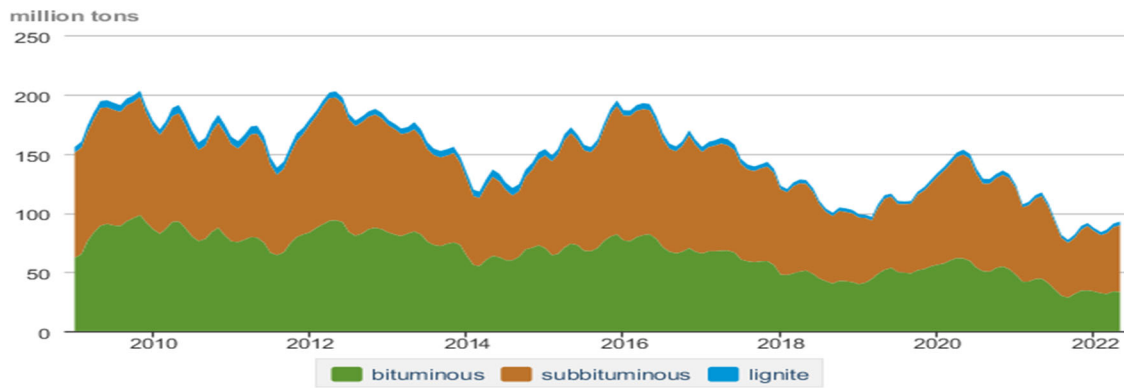
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

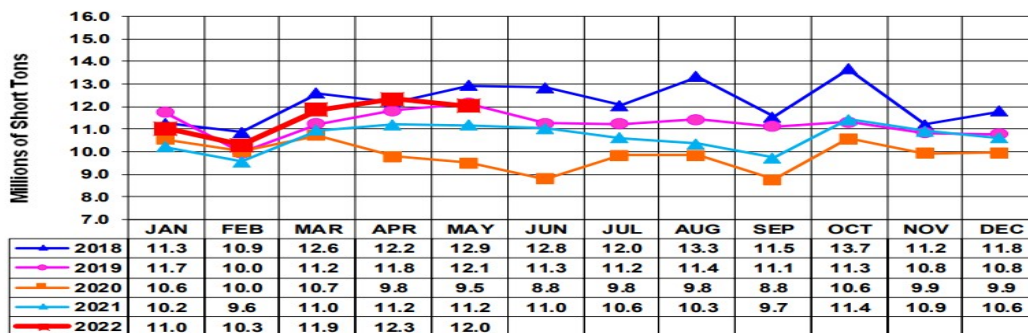
Coal stocks by type, January 2009 - May 2022



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

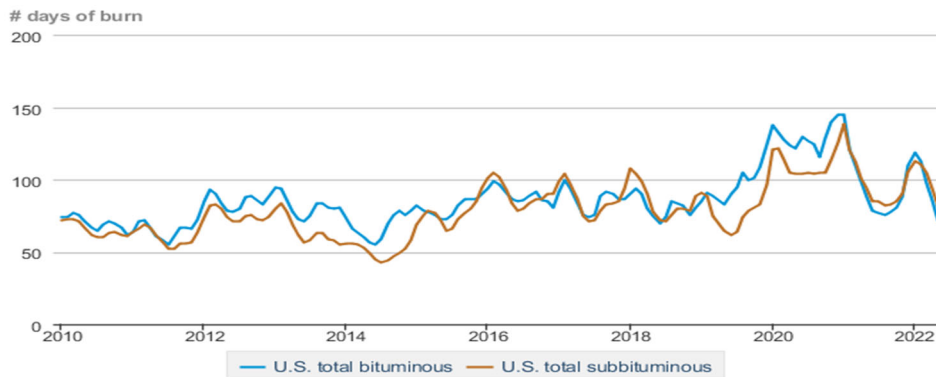
Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	06/24/22	07/01/22	07/08/22	07/15/22	07/22/22	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$138.80	\$168.05	\$168.05	\$177.30	\$176.15	\$-1.15
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$109.90	\$141.30	\$141.30	\$142.55	\$137.30	\$-5.25
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$126.00	\$190.25	\$190.25	\$183.50	\$169.50	\$-14.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$16.55	\$16.55	\$16.55	\$16.55	\$16.35	\$-0.20
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$39.55	\$40.65	\$40.65	\$41.50	\$43.15	\$1.65

Data 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 - May 2022



Source: U.S. Energy Information Administration

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

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	2	1	0	42	2	13
Middle Atlantic	0	0	0	58	3	-8
E N Central	1	0	-5	46	-9	5
W N Central	0	-3	-3	74	5	23
South Atlantic	0	0	0	94	-2	-7
E S Central	0	0	0	100	7	10
W S Central	0	0	0	153	31	46
Mountain	0	-6	0	99	22	-2
Pacific	0	-4	0	52	12	-22
United States	0	-1	-1	78	6	3

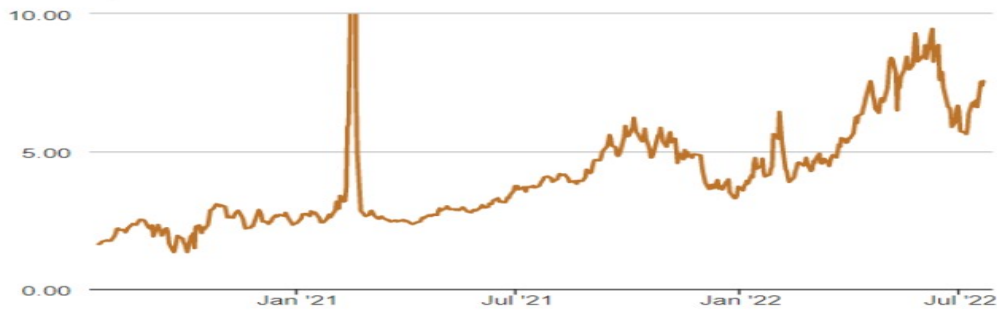
Data source: National Oceanic and Atmospheric Administration
Note: HDDs=heating degree days, CDDs=cooling degree days

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

USGS Production of Selected Mineral Commodities	2022 Year to Date - 1st Quarter	2021 Year to Date - 1st Quarter	Percent Change
Aluminum, secondary (000 Mt.)	215.0	209.0	3%
Cement (Mil. Mt.)	19.1	18.1	6%
Copper (000 Mt.)	321.0	297.0	8%
Gold (Mt.)	52.5	44.7	17%
Gypsum (Mil. Mt.)	4.3	4.6	-7%
Iron Ore (Mil. Mt.)	10.5	13.2	-20%
Lead (000 Mt.)	68.2	72.6	-6%
Molybdenum (000 Mt.)	9.0	13.1	-31%
Palladium (Mt.)	2.9	3.7	-22%
Phosphate rock (Mil. Mt.)	4.6	5.3	-13%
Platinum (Mt.)	0.9	1.1	-18%
Sand & gravel, construction (Mil. Mt.)	185.0	176.0	5%
Silver (Mt.)	255.0	255.0	0%
Soda ash (Mil. Mt.)	2.8	2.7	4%
Stone, crushed (Mil. Mt.)	291.0	281.0	4%
Zinc (000 Mt.)	180.0	163.0	10%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2022 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

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	May 2022		May 2021		% Change of Stocks	April 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	1,384	270	2,887	365	-52.1%	1,392	231	-0.6%
	Subbituminous								
South	Bituminous	12,155	63	16,232	77	-25.1%	12,737	77	-4.6%
	Subbituminous	3,503	45	5,610	65	-37.5%	3,316	55	5.6%
Midwest	Bituminous	7,010	65	9,323	81	-24.8%	8,159	85	-14.1%
	Subbituminous	19,538	92	26,193	117	-25.4%	18,556	100	5.3%
West	Bituminous	3,143	147	2,948	146	6.6%	2,868	142	9.6%
	Subbituminous	19,578	88	22,434	86	-12.7%	19,902	101	-1.6%
U.S. Total	Bituminous	23,692	72	31,390	88	-24.5%	25,156	86	-5.8%
	Subbituminous	42,619	82	54,237	94	-21.4%	41,775	94	2.0%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

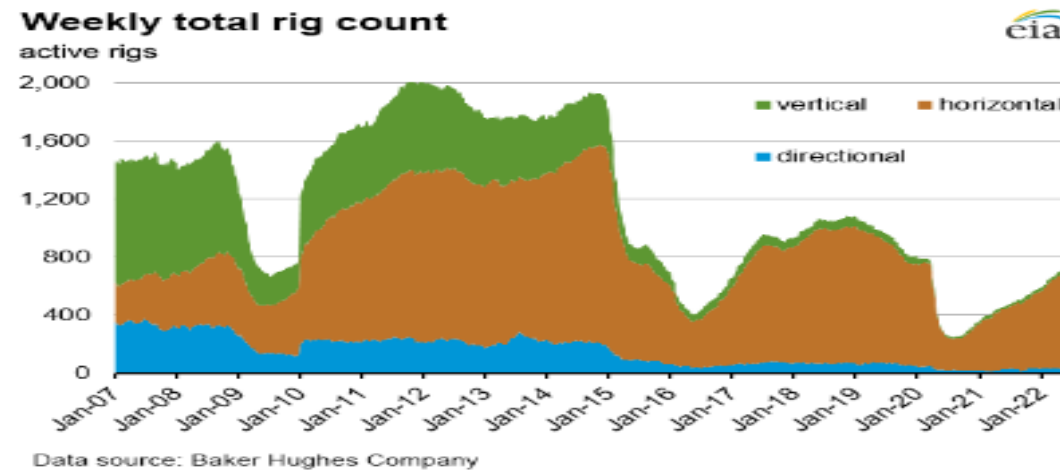
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-07-15	2022-07-08	change
East	521	501	20
Midwest	608	586	22
Mountain	144	143	1
Pacific	253	249	4
South Central	874	890	-16
Total	2,401	2,369	32

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					
	July 2022	August 2022	change	July 2022	August 2022	change			
Anadarko	712	711	(1)	3,678	3,670	(8)			
Appalachia	191	191	-	27,993	27,601	(392)			
Bakken	1,724	1,726	2	2,499	2,503	4			
Eagle Ford	1,783	1,703	(80)	6,752	6,516	(236)			
Haynesville	20	20	-	11,134	11,022	(112)			
Niobrara	1,532	1,517	(15)	3,875	3,817	(58)			
Permian	1,119	1,107	(12)	2,174	2,150	(24)			
Rig-weighted average	1,019	1,007	(12)	5,898	5,777	(121)			

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

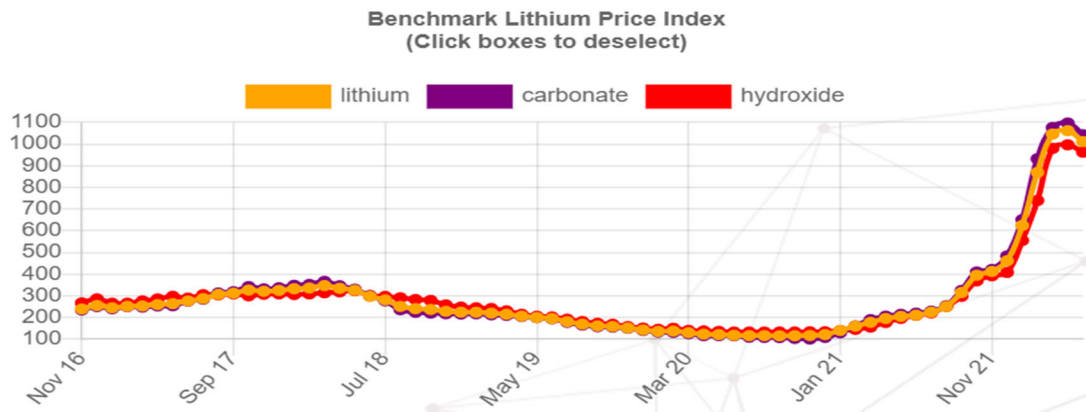
Cobalt and Lithium Prices

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/>