
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

July 15, 2022 Edition
(Data for Week Ending July 9, 2022)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 60, No. 28
Dated 07/15/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	07/09/22	07/10/21	% Chng	07/09/22	07/09/21	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	10,124	9,941	1.8%	303,963	296,314	2.6%
52 Weeks Ended	584,007	553,596	5.5%			
AAR Coal Rail Cars Loaded:	60,105	58,469	2.8%	1,750,821	1,689,567	3.6%
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 Total Output (Mil. Kwh)						
	Week Ended			Cumulative Week 1 to		
	07/09/22	07/10/21	% Chng	07/09/22	07/10/21	% Chng
EI Electric Total Output (Mil. Kwh)	91,757	87,567	4.8%	2,201,427	2,128,236	3.4%
EI Coal Region Output (Mil. Kwh)	81,137	76,109	6.6%	1,914,009	1,841,794	3.9%
AISI Raw Steel Output (000 Tons)	1,748	1,862	-6.1%	47,616	48,761	-2.3%

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)	
	07/08/22	07/01/22	% Chng	Wed.	07/06/22
Central App, 12,500 Btu, 1.2 SO ₂	\$168.05	\$168.05	0.0%	Henry Hub	5.63
Northern App, 13,000 Btu, < 3.0 SO ₂	141.30	141.30	0.0%	New York	5.17
Illinois Basin, 11,800, 5.0 SO ₂	190.25	190.25	0.0%	Chicago	5.36
Powder River Basin, 8,800 Btu 0.8 SO ₂	16.55	16.55	0.0%	Cal.Comp.Avg.	5.64
Uinta Basin, 11,700 Btu, 0.8 SO ₂	40.65	40.65	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

EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	7/9/2022 (week 28)	7/2/2022 (week 27)	7/10/2021 (week 28)	7/9/2022	7/9/2021	% Change	7/9/2022	7/10/2021	% Change
Alabama	118	141	148	4,567	5,294	-13.7	8,520	10,651	-20.0
Alaska	16	17	15	517	565	-8.5	992	1,045	-5.1
Colorado	255	247	227	6,146	5,311	15.7	12,680	10,157	24.8
Illinois	518	654	541	19,043	21,668	-12.1	34,152	36,490	-6.4
Indiana	331	362	335	10,230	9,967	2.6	19,690	19,010	3.6
Kentucky total	458	499	426	14,249	13,762	3.5	26,901	25,814	4.2
Eastern (KY)	205	215	169	5,862	5,075	15.5	10,939	9,026	21.2
Western (KY)	253	284	257	8,387	8,687	-3.5	15,963	16,788	-4.9
Louisiana	6	6	7	138	130	6.9	308	273	12.8
Maryland	21	24	22	660	667	-1.1	1,253	1,145	9.4
Mississippi	54	64	57	1,650	1,720	-4.1	3,123	2,879	8.5
Missouri	s	1	s	28	37	-22.8	36	109	-67.0
Montana	526	559	523	14,791	14,033	5.4	29,270	26,514	10.4
New Mexico	144	161	136	4,898	4,585	6.8	9,560	9,260	3.2
North Dakota	453	489	487	13,871	13,723	1.1	26,627	26,156	1.8
Ohio	43	45	49	1,311	1,360	-3.6	2,707	2,911	-7.0
Oklahoma	s	s	s	1	s	NM	1	s	100.0
Pennsylvania total	634	762	619	21,855	24,122	-9.4	40,181	41,966	-4.3
Anthracite (PA)	35	37	34	1,119	1,032	8.4	2,193	2,139	2.5
Bituminous (PA)	599	725	585	20,736	23,089	-10.2	37,987	39,828	-4.6
Texas	304	305	322	8,144	8,042	1.3	17,311	17,515	-1.2
Utah	196	220	210	6,249	6,514	-4.1	12,142	12,703	-4.4
Virginia	195	213	194	5,691	5,560	2.4	11,069	10,131	9.3
West Virginia total	1,350	1,510	1,252	42,278	41,687	1.4	79,201	74,182	6.8
Northern (WV)	754	829	691	23,527	23,462	0.3	44,435	42,515	4.5
Southern (WV)	597	681	561	18,751	18,225	2.9	34,766	31,668	9.8
Wyoming	4,500	4,751	4,371	127,647	117,570	8.6	248,281	224,687	10.5
Appalachian total	2,567	2,911	2,452	82,224	83,764	-1.8	153,870	150,012	2.6
Interior total	1,467	1,677	1,521	47,621	50,249	-5.2	90,584	93,064	-2.7
Western total	6,091	6,443	5,969	174,118	162,300	7.3	339,553	310,521	9.3
East of Mississippi River	3,724	4,275	3,643	121,533	125,805	-3.4	226,798	225,178	0.7
West of Mississippi River	6,400	6,755	6,298	182,429	170,508	7.0	357,209	328,418	8.8
Bituminous and lignite	10,090	10,993	9,907	302,844	295,282	2.6	581,813	551,458	5.5
Anthracite	35	37	34	1,119	1,032	8.4	2,193	2,139	2.5
U.S. total	10,124	11,031	9,941	303,963	296,314	2.6	584,007	553,596	5.5
Railroad cars loaded	60,105	64,375	58,469	1,750,821	1,689,567	3.6	3,388,523	3,178,776	6.6

Source: Energy Information Administration

EI

Weekly Electric Output

Volume 90 No. 28

OUTPUT FOR WEEK ENDED - Jul 09, 2022

Jul 13, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Jul 09, 2022** was **91,757** 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 July 09		52 Weeks Ended July 09	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,336	0.9	115,493	-0.6
Mid-Atlantic	9,060	-4.5	419,112	0.6
Central Industrial	14,161	1.1	659,628	2.7
West Central	7,399	1.0	340,557	3.6
Southeast	23,686	10.8	1,031,890	2.4
South Central	20,280	21.5	818,210	6.7
Rocky Mountain	6,551	-9.4	293,092	-0.3
Pacific Northwest	2,734	-7.0	159,575	1.7
Pacific Southwest	5,550	-10.5	268,268	-0.3
Total United States	91,757	4.8	4,105,825	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)
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 09	91,757	Jul 10	87,567	4.8	Jul 09	4,105,825	2.7
Jul 09	2,201,427	Jul 10	2,128,236	3.4	YEAR TO DATE, FIRST 28 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
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
Jul 09	184	Jul 10	172	Jul 11	186

* 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		
	9-Jul 2022 GWh Output	10-Jul 2021 GWh Output	% Increase Over Corresponding Week	9-Jul 2022 GWh Output	10-Jul 2021 GWh Output	% Increase Over Corresponding Week	9-Jul 2022 GWh Output	10-Jul 2021 GWh Output	% Increase Over Corresponding Week
New England	2,335	2,315	0.9%	60,852	61,289	-0.7%	115,493	116,241	-0.6%
Mid-Atlantic	9,060	9,491	-4.5%	221,836	221,021	0.4%	419,112	416,431	0.6%
Central Industrial	14,161	14,004	1.1%	358,283	349,696	2.5%	659,628	642,165	2.7%
West Central	7,399	7,325	1.0%	182,150	176,731	3.1%	340,557	328,635	3.6%
Southeast	23,686	21,371	10.8%	556,082	539,028	3.2%	1,031,890	1,007,744	2.4%
South Central	20,280	16,690	21.5%	443,380	403,186	10.0%	818,210	766,848	6.7%
Rocky Mountain	6,551	7,228	-9.4%	152,278	152,132	0.1%	293,092	293,874	-0.3%
Pacific Northwest	2,734	2,940	-7.0%	89,672	88,272	1.6%	159,575	156,938	1.7%
Pacific Southwest	5,550	6,203	-10.5%	136,894	136,885	0.0%	268,268	269,021	-0.3%
Total United States ^{1/}	<u>91,756</u>	<u>87,567</u>	4.8%	<u>2,201,427</u>	<u>2,128,240</u>	3.4%	<u>4,105,825</u>	<u>3,997,897</u>	2.7%
Coal Regions Only ^{2/}	81,137	76,109	6.6%	1,914,009	1,841,794	3.9%	3,562,489	3,455,697	3.1%

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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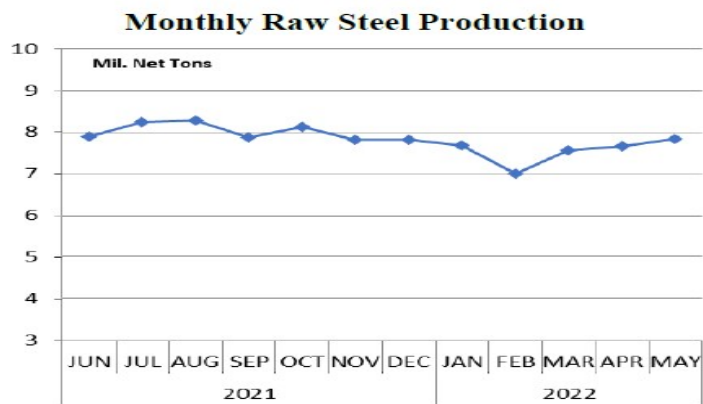
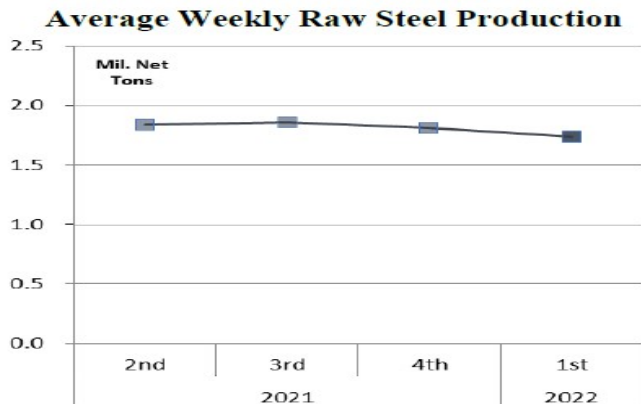
July 11, 2022

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

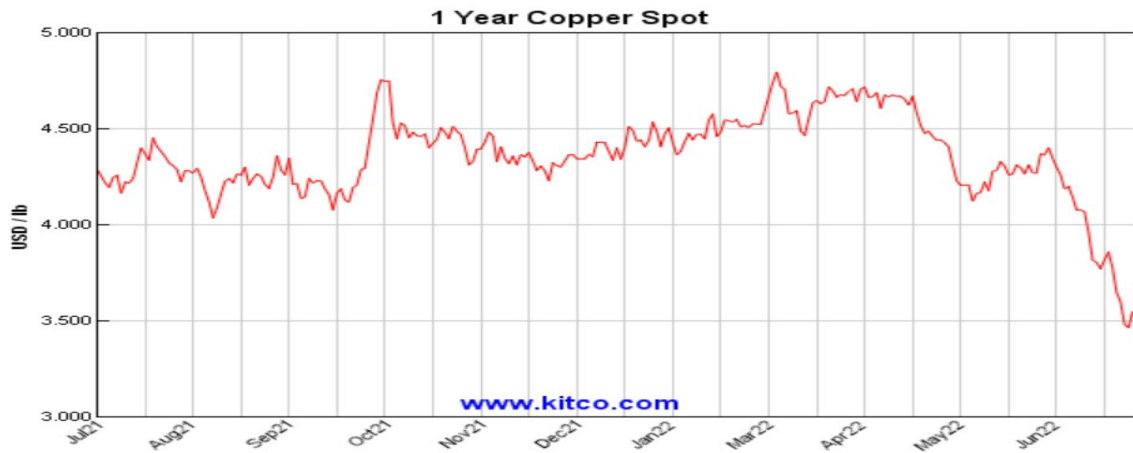
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
				<u>July 9</u>	<u>July 2</u>	
<u>Week Ending</u>				North East	164	165
				Great Lakes	577	597
July 9, 2022	1,748	-1.1	79.3	Midwest	209	204
July 9, 2021	1,862	-6.1	84.4	Southern	725	737
July 2, 2022	1,767	1.0	80.9	Western	73	64
				Total	1,748	1,767
<u>Year-to-Date +</u>						
July 9, 2022	47,616	-2.3	80.5			
July 9, 2021	48,761	-	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 27, 2022 – Ended July 9, 2022

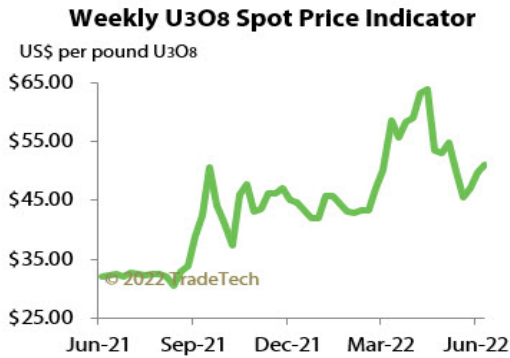
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	207,450	-1.3%	6,201,367	229,680	-0.2%
Chemicals	30,163	-3.3%	915,479	33,907	4.6%
Coal	60,105	2.8%	1,743,574	64,577	3.6%
Farm Products excl. Grain, and Food	15,705	7.2%	439,779	16,288	3.0%
Forest Products	9,410	-2.7%	267,033	9,890	-1.7%
Grain	17,031	-0.3%	608,674	22,543	-7.6%
Metallic Ores and Metals	18,019	-19.7%	558,063	20,669	-7.2%
Motor Vehicles and Parts	10,725	4.0%	349,811	12,956	-1.7%
Nonmetallic Minerals	29,624	1.0%	822,132	30,449	4.7%
Petroleum and Petroleum Products	9,395	-3.9%	253,077	9,373	-12.8%
Other	7,273	-0.5%	243,745	9,028	-7.9%
Total Intermodal Units	230,150	-4.7%	7,108,876	263,292	-6.1%
Total Traffic	437,600	-3.1%	13,310,243	492,972	-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.

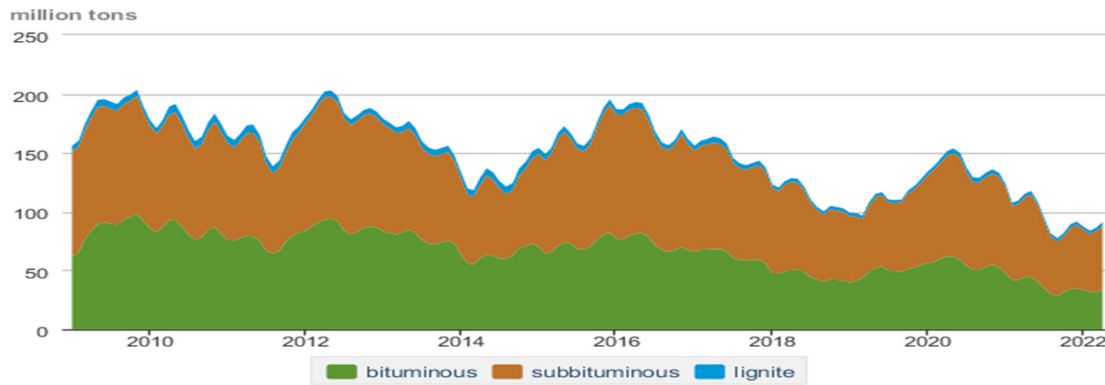
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

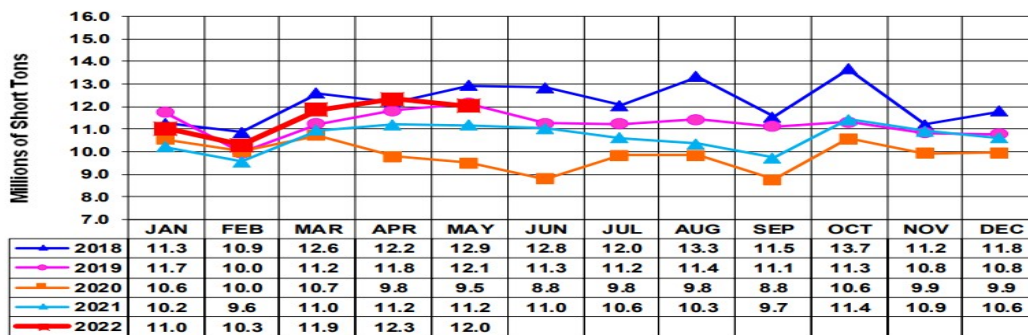
Coal stocks by type, January 2009 - April 2022



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

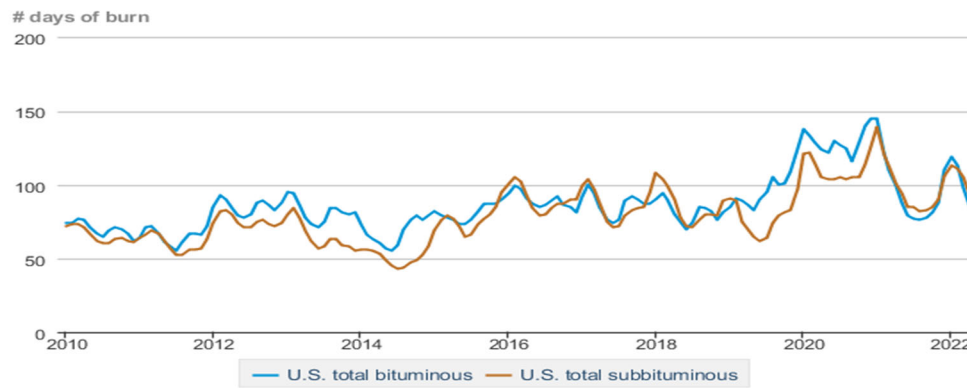
Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	06/10/22	06/17/22	06/24/22	07/01/22	07/08/22	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$138.80	\$138.80	\$138.80	\$168.05	\$168.05	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$109.90	\$109.90	\$109.90	\$141.30	\$141.30	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$126.00	\$126.00	\$126.00	\$190.25	\$190.25	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$16.55	\$16.55	\$16.55	\$16.55	\$16.55	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$39.55	\$39.55	\$39.55	\$40.65	\$40.65	\$0.00

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 - 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 30)					
	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	2	-2	-3	33	8	-33
Middle Atlantic	2	0	-1	44	4	-31
E N Central	5	2	4	42	-3	-27
W N Central	4	-1	3	55	-3	-4
South Atlantic	0	0	-1	88	1	0
E S Central	0	0	0	88	5	-2
W S Central	0	0	0	123	9	10
Mountain	6	-7	-2	69	2	0
Pacific	2	-7	2	61	29	-1
United States	2	-1	1	68	6	-10

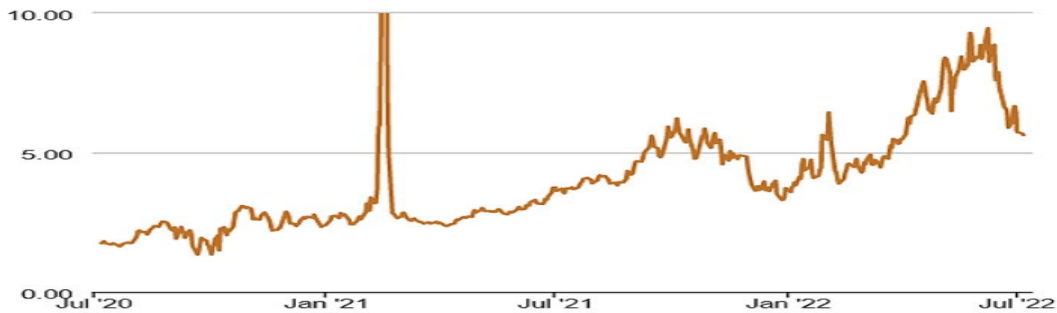
Data source: National Oceanic and Atmospheric Administration
Note: HDDs=heating degree days; CDDs=cooling degree days

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

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	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

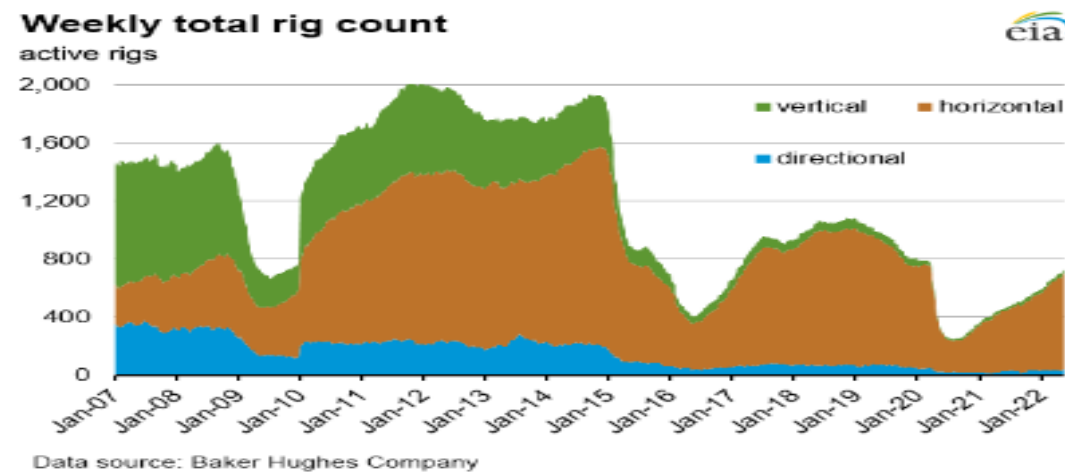
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-07-01	2022-06-24	change
East	482	461	21
Midwest	562	535	27
Mountain	138	134	4
Pacific	240	235	5
South Central	890	886	4
Total	2,311	2,251	60

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*

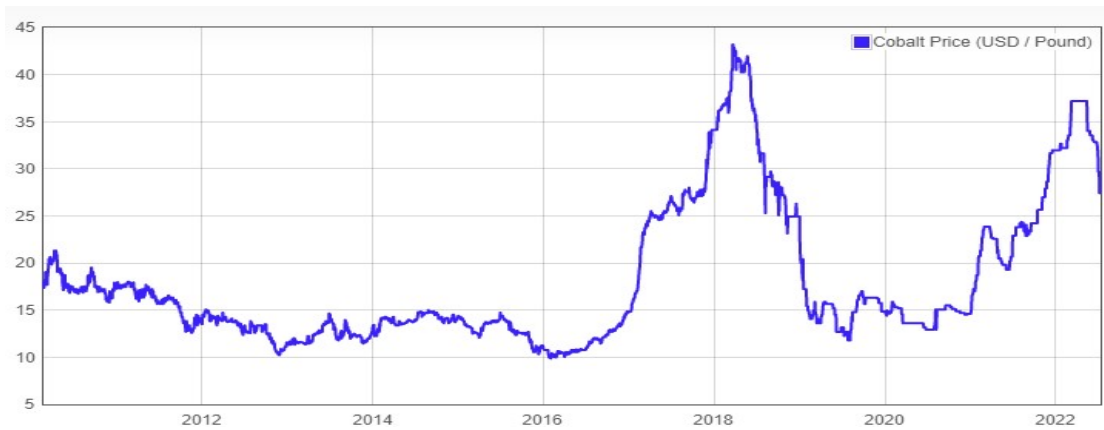
USGS Cobalt – U.S. Trade, Reported Stocks and Listed Prices

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

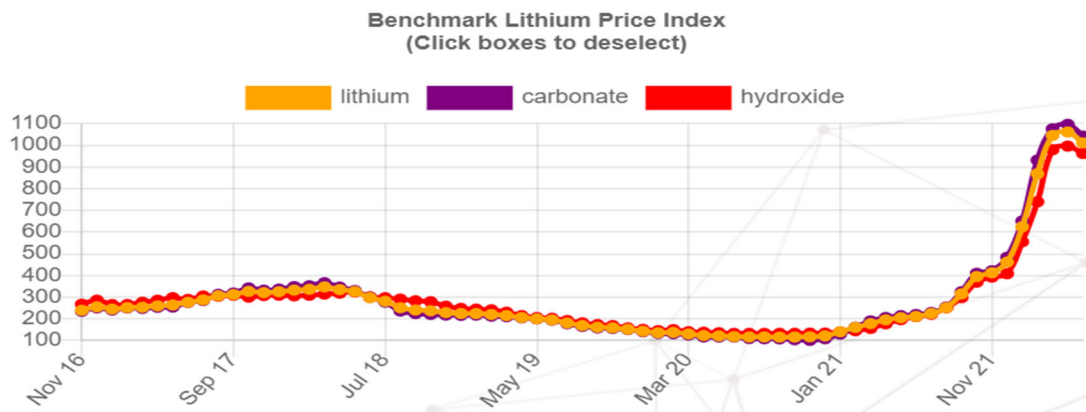
Cobalt and Lithium Prices

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/>