
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

March 18, 2022 Edition
(Data for Week Ending March 12, 2022)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 60, No. 11
Dated 03/18/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/12/22	03/13/21	% Chng	03/12/22	03/12/21	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,257	11,768	-4.3%	116,695	110,266	5.8%
52 Weeks Ended	582,961	523,524	11.4%			
AAR Coal Rail Cars Loaded:	64,589	64,102	0.8%	666,240	601,005	10.9%
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		
	03/12/22	03/13/21	% Chng	03/12/22	03/13/21	% Chng
EEl Electric Total Output (Mil. Kwh)	75,113	69,318	8.4%	877,127	852,892	2.8%
EEl Coal Region Output (Mil. Kwh)	65,110	59,367	9.7%	758,492	737,570	2.8%
AISI Raw Steel Output (000 Tons)	1,737	1,768	-1.8%	17,757	17,681	0.4%

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)	
	03/11/22	03/04/22	% Chng	Wed.	03/09/22
Central App, 12,500 Btu, 1.2 SO ₂	\$93.40	\$93.40	0.0%	Henry Hub	4.56
Northern App, 13,000 Btu, < 3.0 SO ₂	79.55	79.55	0.0%	New York	4.26
Illinois Basin, 11,800, 5.0 SO ₂	92.50	92.50	0.0%	Chicago	4.47
Powder River Basin, 8,800 Btu 0.8 SO ₂	16.75	16.75	0.0%	Cal.Comp.Avg.	4.83
Uinta Basin, 11,700 Btu, 0.8 SO ₂	32.95	32.95	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		
	3/12/2022 (week 11)	3/5/2022 (week 10)	3/13/2021 (week 11)	3/12/2022	3/12/2021	% Change	3/12/2022	3/13/2021	% Change
Alabama	164	199	261	1,841	2,445	-24.7	8,680	11,946	-27.3
Alaska	21	21	26	224	243	-8.1	1,019	1,028	-0.9
Colorado	215	233	203	2,164	1,904	13.7	12,109	9,768	24.0
Illinois	788	887	939	8,973	8,799	2.0	36,966	33,300	11.0
Indiana	362	378	409	3,635	3,835	-5.2	19,217	18,883	1.8
Kentucky total	537	576	552	5,506	5,176	6.4	26,892	23,484	14.5
Eastern (KY)	210	234	194	2,137	1,814	17.8	10,636	8,165	30.3
Western (KY)	327	342	359	3,369	3,362	0.2	16,256	15,319	6.1
Louisiana	5	5	5	44	45	-2.8	298	372	-19.9
Maryland	27	27	29	266	270	-1.4	1,304	1,118	16.6
Mississippi	60	65	68	617	638	-3.2	3,171	2,769	14.5
Missouri	1	2	2	15	14	4.1	45	138	-67.4
Montana	545	584	551	5,551	5,160	7.6	28,899	25,199	14.7
New Mexico	156	175	197	1,545	1,848	-16.4	8,937	9,513	-6.1
North Dakota	476	536	587	5,219	5,499	-5.1	26,187	26,055	0.5
Ohio	49	47	63	470	592	-20.6	2,632	3,151	-16.5
Oklahoma	.	.	.	.	.	.	1	s	100.0
Pennsylvania total	954	1,006	987	10,149	9,247	9.8	43,155	36,455	18.4
Anthracite (PA)	35	38	41	350	388	-9.8	2,046	2,217	-7.7
Bituminous (PA)	920	968	945	9,799	8,859	10.6	41,109	34,238	20.1
Tennessee	.	.	.	.	.	.	.	16	.
Texas	276	297	313	2,823	2,928	-3.6	17,105	18,487	-7.5
Utah	223	234	262	2,330	2,459	-5.2	12,181	12,736	-4.4
Virginia	226	238	225	2,299	2,106	9.1	11,136	9,374	18.8
West Virginia total	1,614	1,702	1,667	16,903	15,620	8.2	79,738	68,110	17.1
Northern (WV)	913	959	961	9,920	9,005	10.2	45,274	38,898	16.4
Southern (WV)	700	743	706	6,983	6,614	5.6	34,465	29,211	18.0
Wyoming	4,557	4,695	4,423	46,123	41,439	11.3	243,289	211,622	15.0
Appalachian total	3,244	3,453	3,425	34,063	32,093	6.1	157,281	138,335	13.7
Interior total	1,820	1,974	2,094	19,476	19,622	-0.7	93,059	89,268	4.2
Western total	6,194	6,480	6,249	63,157	58,552	7.9	332,621	295,922	12.4
East of Mississippi River	4,782	5,124	5,200	50,657	48,727	4.0	232,892	208,606	11.6
West of Mississippi River	6,475	6,783	6,568	66,039	61,539	7.3	350,069	314,918	11.2
Bituminous and lignite	11,222	11,869	11,727	116,345	109,878	5.9	580,915	521,307	11.4
Anthracite	35	38	41	350	388	-9.8	2,046	2,217	-7.7
U.S. total	11,257	11,907	11,768	116,695	110,266	5.8	582,961	523,524	11.4
Railroad cars loaded	64,589	68,304	64,102	666,240	601,005	10.9	3,391,772	2,948,318	15.0

Source: Energy Information Administration

EI

Weekly Electric Output

Volume 90 No. 11

OUTPUT FOR WEEK ENDED - Mar 12, 2022

Mar 16, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Mar 12, 2022** was **75,113** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **182** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended March 12		52 Weeks Ended March 12	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,149	4.4	116,434	0.8
Mid-Atlantic	7,587	3.5	419,814	1.9
Central Industrial	12,477	9.4	653,782	3.1
West Central	6,396	14.3	338,235	4.5
Southeast	18,587	7.1	1,016,253	1.8
South Central	14,625	15.9	788,047	3.2
Rocky Mountain	5,438	7.3	295,065	2.7
Pacific Northwest	3,360	4.1	159,865	3.9
Pacific Southwest	4,494	-3.7	269,375	1.5
Total United States	75,113	8.4	4,056,870	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 19	78,773	Feb 20	85,601	-8.0	Feb 19	4,044,127	2.3
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 12	877,127	Mar 13	852,892	2.8	YEAR TO DATE, FIRST 11 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Feb 19	194	Feb 20	197	Feb 22	179
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

* 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		
	12-Mar 2022 GWh Output	13-Mar 2021 GWh Output	% Increase Over Corresponding Week	12-Mar 2022 GWh Output	13-Mar 2021 GWh Output	% Increase Over Corresponding Week	12-Mar 2022 GWh Output	13-Mar 2021 GWh Output	% Increase Over Corresponding Week
New England	2,149	2,059	4.4%	26,432	25,928	1.9%	116,434	115,509	0.8%
Mid-Atlantic	7,587	7,333	3.5%	93,009	91,491	1.7%	419,814	412,146	1.9%
Central Industrial	12,477	11,408	9.4%	146,693	143,952	1.9%	653,782	634,374	3.1%
West Central	6,396	5,595	14.3%	73,956	70,856	4.4%	338,235	323,612	4.5%
Southeast	18,587	17,349	7.1%	220,926	219,511	0.6%	1,016,253	998,383	1.8%
South Central	14,625	12,615	15.9%	162,386	152,356	6.6%	788,047	763,495	3.2%
Rocky Mountain	5,438	5,067	7.3%	61,522	59,404	3.6%	295,065	287,178	2.7%
Pacific Northwest	3,360	3,228	4.1%	40,026	38,334	4.4%	159,865	153,916	3.9%
Pacific Southwest	4,494	4,664	-3.6%	52,176	51,060	2.2%	269,375	265,452	1.5%
Total United States ^{1/}	<u>75,113</u>	<u>69,318</u>	8.4%	<u>877,126</u>	<u>852,892</u>	2.8%	<u>4,056,870</u>	<u>3,954,065</u>	2.6%
Coal Regions Only ^{2/}	65,110	59,367	9.7%	758,492	737,570	2.8%	3,511,196	3,419,188	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*.

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March 14, 2022

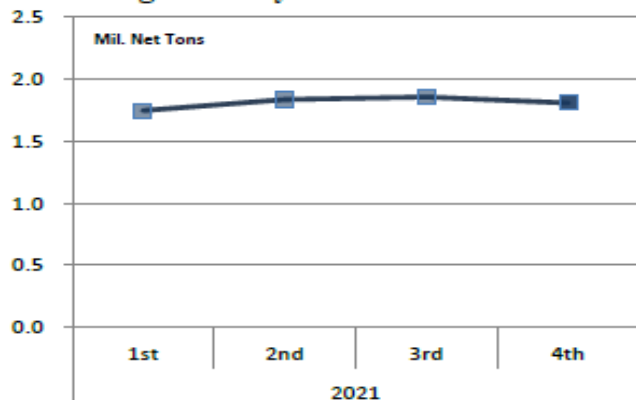
ESTIMATED WEEKLY RAW STEEL* PRODUCTION

<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 12</u>	<u>Week Ending Mar 3</u>	
<u>Week Ending</u>				North East	164	166
				Great Lakes	579	608
March 12, 2022	1,737	-1.4	80.0	Midwest	170	176
March 12, 2021	1,768	-1.8	77.7	Southern	751	743
March 5, 2022	1,762	0.4	79.7	Western	73	69
				Total	1,737	1,762
<u>Year-to-Date +</u>						
March 12, 2022	17,757	0.4	80.6			
March 12, 2021	17,681	-	77.1			

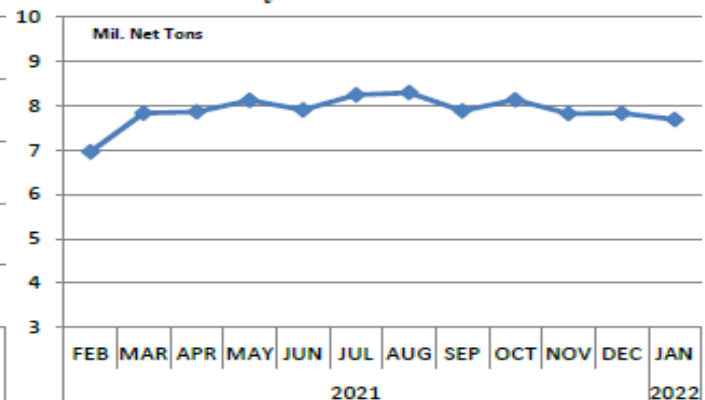
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 is 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.

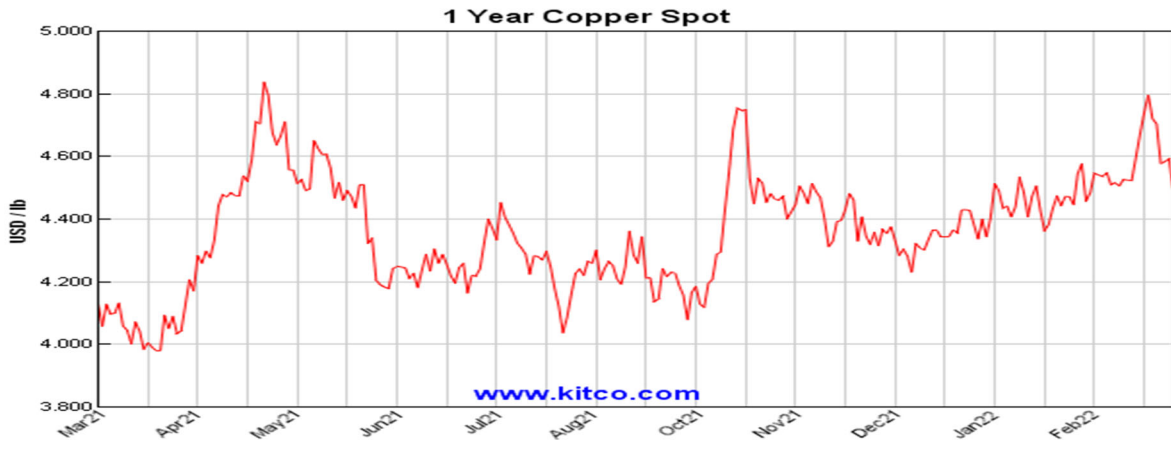
Average Weekly Raw Steel Production



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 10, 2022 – Ended March 12, 2022

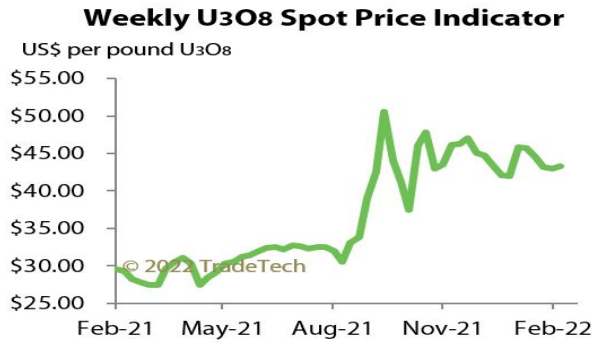
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	232,388	0.9%	2,288,852	228,885	3.2%
Chemicals	35,933	19.9%	346,010	34,601	10.1%
Coal	64,589	0.8%	658,995	65,900	10.8%
Farm Products excl. Grain, and Food	17,102	2.1%	163,325	16,333	2.2%
Forest Products	9,852	-1.8%	99,723	9,972	0.9%
Grain	21,213	-11.4%	235,574	23,557	-6.4%
Metallic Ores and Metals	20,077	-1.6%	201,450	20,145	-2.0%
Motor Vehicles and Parts	13,936	-6.1%	123,504	12,350	-14.8%
Nonmetallic Minerals	30,466	4.6%	277,150	27,715	13.1%
Petroleum and Petroleum Products	10,005	-12.1%	93,921	9,392	-14.1%
Other	9,215	-6.7%	89,200	8,920	-4.4%
Total Intermodal Units	263,746	-9.1%	2,561,813	256,181	-7.2%
Total Traffic	496,134	-4.7%	4,850,665	485,067	-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.

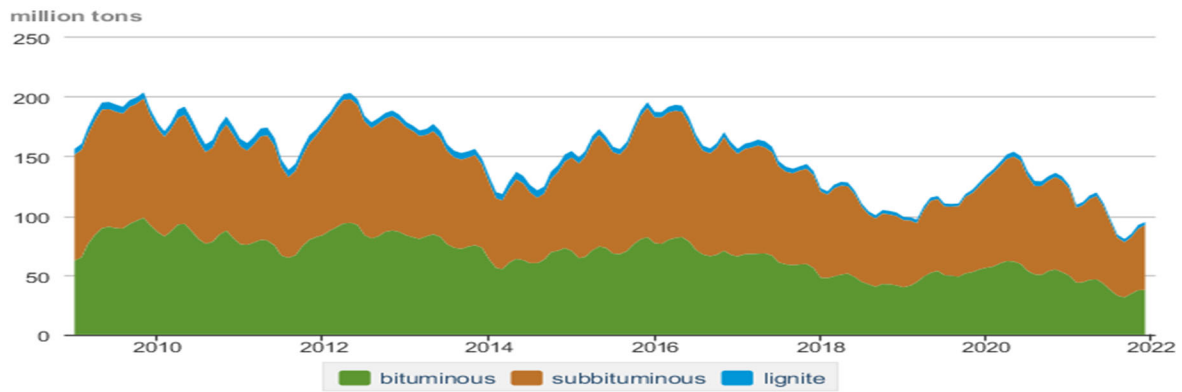
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

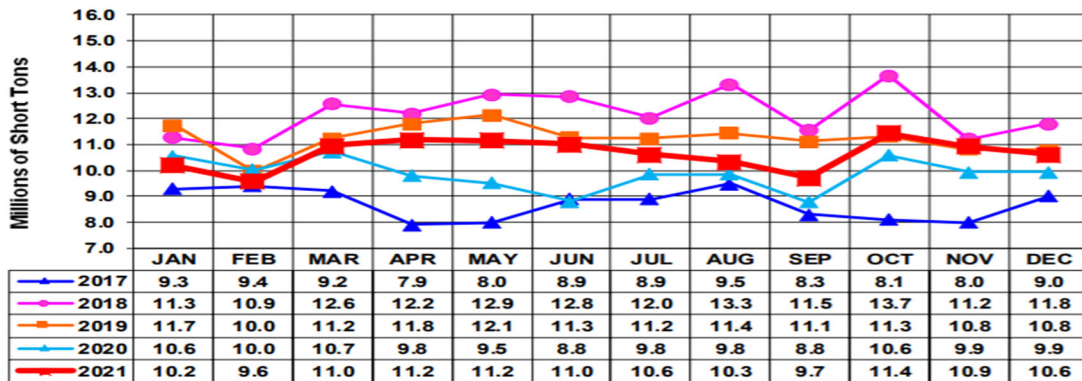
Coal stocks by type, January 2009 - December 2021



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

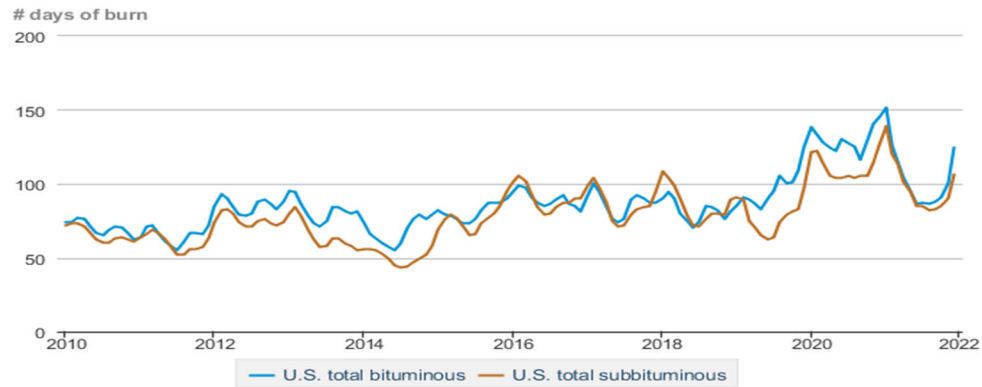
Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago change
	02/11/22	02/18/22	02/25/22	03/04/22	03/11/22	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$89.70	\$90.55	\$90.55	\$93.40	\$93.40	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$73.35	\$73.35	\$73.35	\$79.55	\$79.55	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$75.50	\$75.50	\$75.50	\$92.50	\$92.50	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$23.90	\$21.65	\$21.65	\$16.75	\$16.75	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$29.35	\$29.35	\$29.35	\$32.95	\$32.95	\$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 - December 2021



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Mar 03)

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	267	32	48	0	0	0
Middle Atlantic	224	2	22	0	0	0
E N Central	231	-4	25	0	0	0
W N Central	235	0	28	0	0	0
South Atlantic	110	-29	6	12	3	-5
E S Central	126	-7	34	0	-3	-4
W S Central	122	37	58	1	-6	-9
Mountain	184	4	-22	1	0	1
Pacific	89	-8	-16	0	-1	0
United States	175	0	17	2	-1	-2

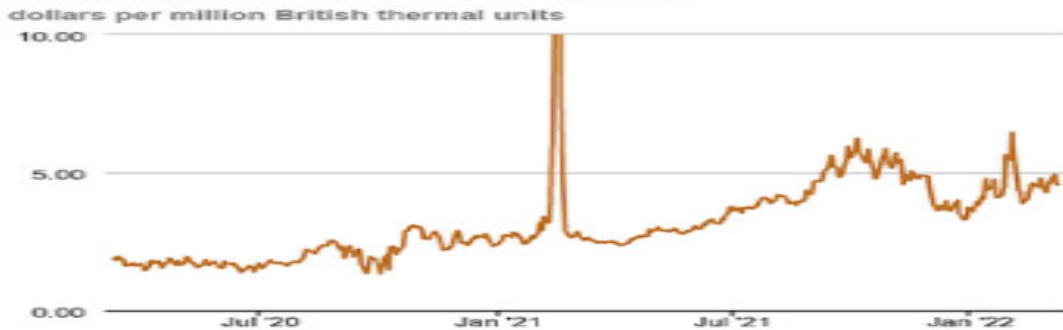
Source: Chart by the U.S. Energy Information Administration (EIA), based on data from the National Oceanic and Atmospheric Administration
Note: HDDs=heating degree days; CDDs=cooling degree days

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

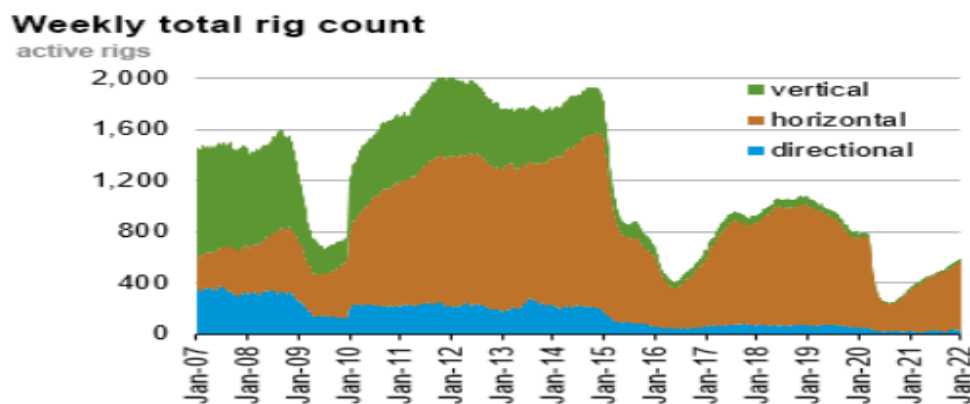
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-03-04	2022-02-25	change
East	317	358	-41
Midwest	364	404	-40
Mountain	93	96	-3
Pacific	162	164	-2
South Central	582	620	-38
Total	1,519	1,643	-124

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

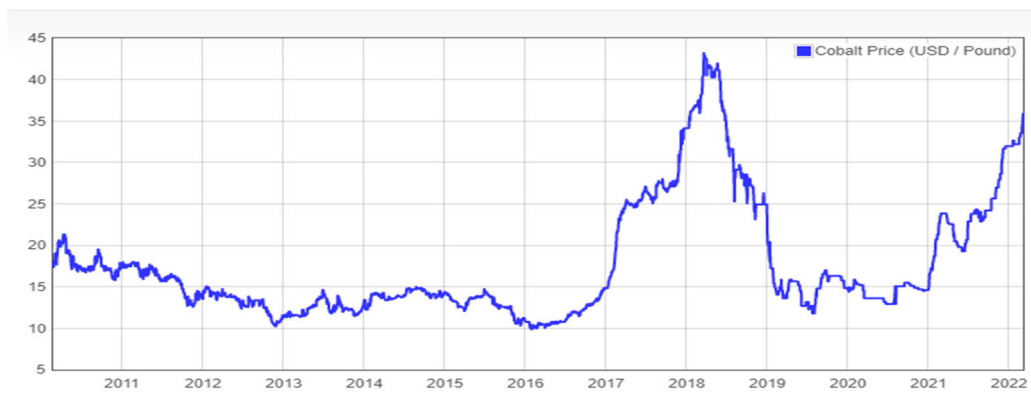
Cobalt - December 2021	Dec-21	Year to Date
U.S. Imports for Consumption - Metals (mt)	440	7,210
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	333	4,930
Reported Stocks of Cobalt Metal (mt)	U.S. Govt	LME
	302	256
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	32.78	31.26

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

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

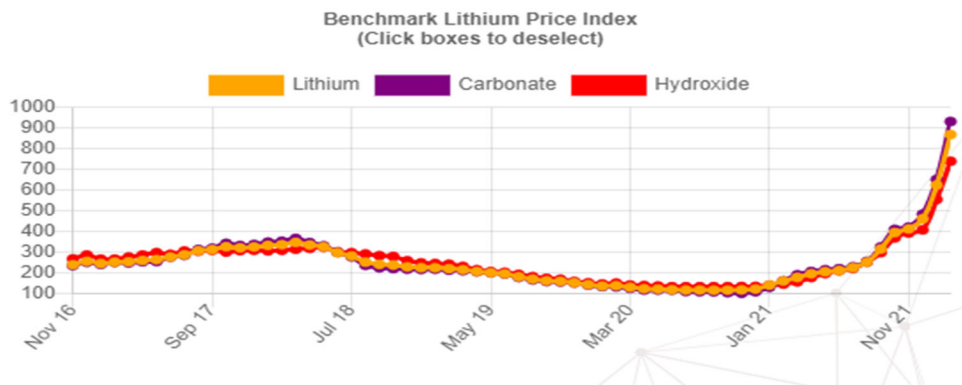
Cobalt and Lithium Prices

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/>