



NATIONAL MINING ASSOCIATION

WEEKLY STATISTICAL SUMMARY

August 26, 2022 Edition

(Data for Week Ending August 20, 2022)

Prepared by

National Mining Association

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NMA WEEKLY STATISTICAL SUMMARY

Vol. 60, No. 34 | Dated 08/26/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/20/22	08/21/21	% Chg	08/20/22	08/20/21	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,559	10,878	6.3%	372,832	363,518	2.6%
52 Weeks Ended	585,350	558,188	4.9%			
AAR Coal Rail Cars Loaded:	68,280	63,979	6.7%	2,156,183	2,084,816	3.4%
Coal Production	July 22/21		% Chg	Jan - July 22/21		% Chg
Month Ended - July	48,978	50,334	-2.7%	341,410	339,714	0.5%

U.S. Department of Commerce Coal Trade (000 Tons)

	June 22/21		% Chg	Jan - June 22/21		% Chg
	June 22/21	June 22/21		Jan - June 22/21	Jan - June 22/21	
Exports:						
Metallurgical	4,551	4,254	7.0%	23,541	22,038	6.8%
Steam Bit. *	2,967	3,565	-16.8%	19,440	20,598	-5.6%
Lignite	7	7	0.0%	42	41	2.4%
Anthracite	<u>68</u>	<u>13</u>	423.1%	<u>191</u>	<u>189</u>	1.1%
Total	7,593	7,839	-3.1%	43,214	42,866	0.8%
Imports:	627	509	23.2%	2,958	2,605	13.6%

	Week Ended			Cumulative Week 1 to		
	08/20/22	08/21/21	% Chg	08/20/22	08/21/21	% Chg
EEl Electric Total Output (Mil. Kwh)	86,685	89,556	-3.2%	2,761,920	2,669,820	3.4%
EEl Coal Region Output (Mil. Kwh)	74,696	78,107	-4.4%	2,401,237	2,312,451	3.8%
AISI Raw Steel Output (000 Tons)	1,756	1,872	-6.2%	57,968	59,960	-3.3%

EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	08/19/22	08/12/22	% Chg	Wed.	08/17/22
Central App, 12,500 Btu, 1.2 SO ₂	\$187.15	\$181.55	3.1%	Henry Hub	9.51
Northern App, 13,000 Btu, < 3.0 SO ₂	145.85	141.50	3.1%	New York	8.44
Illinois Basin, 11,800, 5.0 SO ₂	189.70	186.50	1.7%	Chicago	8.90
Powder River Basin, 8,800 Btu 0.8 SO ₂	16.25	16.30	-0.3%	Cal.Comp.Avg.	10.03
Uinta Basin, 11,700 Btu, 0.8 SO ₂	42.85	43.00	-0.3%		

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									
	Week Ended			Year to Date			52 Weeks Ended		
Coal-Producing Region & State (thousand short tons)	8/20/2022 (week 34)	8/13/2022 (week 33)	8/21/2021 (week 34)	8/20/2022	8/20/2021	% Change	8/20/2022	8/21/2021	% Change
Alabama	137	139	164	5,375	6,448	-16.6	8,350	10,466	-20.2
Alaska	18	18	17	620	667	-6.9	994	1,042	-4.6
Colorado	291	289	249	7,864	6,846	14.9	12,860	10,550	21.9
Illinois	592	617	592	22,607	25,327	-10.7	34,050	36,644	-7.1
Indiana	379	385	367	12,494	12,233	2.1	19,684	18,994	3.6
Kentucky total	523	525	466	17,332	16,612	4.3	27,085	25,676	5.5
Eastern (KY)	234	233	185	7,233	6,184	17.0	11,155	9,188	21.4
Western (KY)	289	292	282	10,098	10,427	-3.2	15,930	16,488	-3.4
Louisiana	7	7	8	182	178	2.1	303	291	4.1
Maryland	24	25	24	807	817	-1.2	1,250	1,187	5.3
Mississippi	62	66	63	2,034	2,107	-3.5	3,119	2,855	9.2
Missouri	s	s	s	31	37	-17.1	38	92	-58.7
Montana	601	614	572	18,402	17,569	4.7	29,338	27,145	8.1
New Mexico	165	175	149	5,939	5,503	7.9	9,682	8,887	8.9
North Dakota	518	517	532	16,903	17,013	-0.6	26,363	26,378	-0.1
Ohio	49	49	53	1,603	1,689	-5.1	2,668	2,849	-6.4
Oklahoma	s	s	s	1	s	NM	1	s	100.0
Pennsylvania total	723	741	675	26,160	28,214	-7.3	40,281	41,943	-4.0
Anthracite (PA)	40	41	37	1,363	1,262	8.0	2,208	2,088	5.7
Bituminous (PA)	683	700	638	24,797	26,952	-8.0	38,073	39,855	-4.5
Texas	347	348	353	10,204	10,221	-0.2	17,188	17,307	-0.7
Utah	224	230	230	7,595	7,932	-4.3	12,067	12,584	-4.1
Virginia	220	226	211	7,016	6,862	2.3	11,029	10,451	5.5
West Virginia total	1,538	1,556	1,370	51,417	50,125	2.6	79,720	74,872	6.5
Northern (WV)	861	859	756	28,577	28,133	1.6	44,806	42,728	4.9
Southern (WV)	677	697	614	22,840	21,992	3.9	34,914	32,144	8.6
Wyoming	5,140	5,214	4,783	158,247	147,118	7.6	249,280	227,975	9.3
Appalachian total	2,926	2,969	2,683	99,612	100,339	-0.7	154,453	150,956	2.3
Interior total	1,676	1,715	1,664	57,650	60,531	-4.8	90,313	92,672	-2.5
Western total	6,957	7,055	6,531	215,571	202,648	6.4	340,584	314,560	8.3
East of Mississippi River	4,248	4,329	3,987	146,844	150,434	-2.4	227,236	225,937	0.6
West of Mississippi River	7,311	7,411	6,892	225,988	213,084	6.1	358,114	332,251	7.8
Bituminous and lignite	11,520	11,699	10,841	371,469	362,256	2.5	583,142	556,100	4.9
Anthracite	40	41	37	1,363	1,262	8.0	2,208	2,088	5.7
U.S. total	11,559	11,740	10,878	372,832	363,518	2.6	585,350	558,188	4.9
Railroad cars loaded	68,280	69,300	63,979	2,156,183	2,084,816	3.4	3,397,918	3,218,615	5.6

Source: Energy Information Administration



Weekly Electric Output

Volume 90 No. 34

OUTPUT FOR WEEK ENDED - Aug 20, 2022

Aug 24, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Aug 20, 2022** was **86,685** gigawatt-hours (GWh), according to the Edison Electric Institute. This is equivalent to **190** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended August 20		52 Weeks Ended August 20	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,367	-11.0	116,642	1.2
Mid-Atlantic	8,803	-9.3	420,863	1.6
Central Industrial	12,861	-8.7	660,155	2.7
West Central	6,827	-9.8	341,096	3.3
Southeast	20,817	-6.7	1,034,436	2.6
South Central	18,725	4.5	828,492	8.0
Rocky Mountain	6,663	2.0	294,018	0.2
Pacific Northwest	2,890	6.4	160,007	1.5
Pacific Southwest	6,732	10.8	269,027	-0.3
Total United States	86,685	-3.2	4,124,735	3.1

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Jul 30	93,723	Jul 31	93,196	0.6	Jul 30	4,119,099	3.1
Aug 06	96,094	Aug 07	86,013	11.7	Aug 06	4,129,180	3.4
Aug 13	91,862	Aug 14	93,435	-1.7	Aug 13	4,127,606	3.3
Aug 20	86,685	Aug 21	89,556	-3.2	Aug 20	4,124,735	3.1
Aug 20	2,761,920	Aug 21	2,669,820	3.4	YEAR TO DATE, FIRST 34 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Jul 30	182	Jul 31	181	Aug 01	182
Aug 06	190	Aug 07	169	Aug 08	172
Aug 13	197	Aug 14	192	Aug 15	183
Aug 20	190	Aug 21	187	Aug 22	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		
	20-Aug 2022 GWh Output	21-Aug 2021 GWh Output	% Increase Over Corresponding Week	20-Aug 2022 GWh Output	21-Aug 2021 GWh Output	% Increase Over Corresponding Week	20-Aug 2022 GWh Output	21-Aug 2021 GWh Output	% Increase Over Corresponding Week
New England	2,367	2,660	-11.0%	77,408	76,696	0.9%	116,642	115,214	1.2%
Mid-Atlantic	8,803	9,704	-9.3%	281,088	278,522	0.9%	420,863	414,407	1.6%
Central Industrial	12,861	14,084	-8.7%	443,360	434,244	2.1%	660,155	643,109	2.7%
West Central	6,827	7,564	-9.7%	227,334	221,375	2.7%	341,096	330,338	3.3%
Southeast	20,817	22,307	-6.7%	692,993	673,396	2.9%	1,034,436	1,008,210	2.6%
South Central	18,725	17,914	4.5%	562,726	512,248	9.9%	828,492	767,172	8.0%
Rocky Mountain	6,663	6,534	2.0%	193,736	192,666	0.6%	294,018	293,392	0.2%
Pacific Northwest	2,890	2,716	6.4%	107,655	105,823	1.7%	160,007	157,583	1.5%
Pacific Southwest	6,732	6,073	10.9%	175,620	174,853	0.4%	269,027	269,827	-0.3%
Total United States ^{1/}	<u>86,685</u>	<u>89,556</u>	-3.2%	<u>2,761,920</u>	<u>2,669,823</u>	<u>3.4%</u>	<u>4,124,736</u>	<u>3,999,252</u>	<u>3.1%</u>
Coal Regions Only ^{2/}	74,696	78,107	-4.4%	2,401,237	2,312,451	3.8%	3,579,060	3,456,628	3.5%

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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August 22, 2022

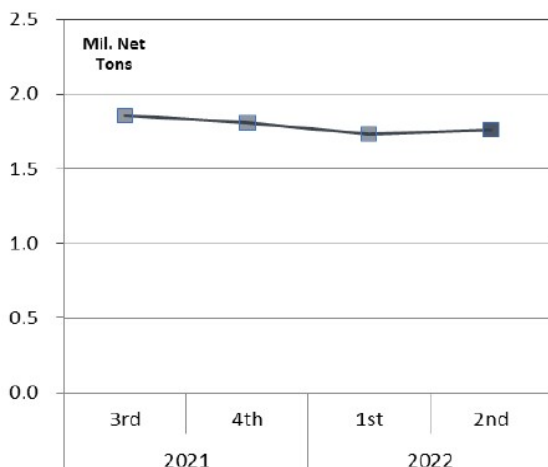
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Aug 20</u>	<u>Week Ending Aug 13</u>	
<u>Week Ending</u>				North East	162	159
				Great Lakes	555	557
August 20, 2022	1,756	0.8	79.7	Midwest	205	202
August 20, 2021	1,872	-6.2	84.8	Southern	765	757
August 13, 2022	1,742	1.1	79.0	Western	69	67
				Total	1,756	1,742
<u>Year-to-Date +</u>						
August 20, 2022	57,968	-3.3	80.1			
August 20, 2021	59,960	-	80.7			

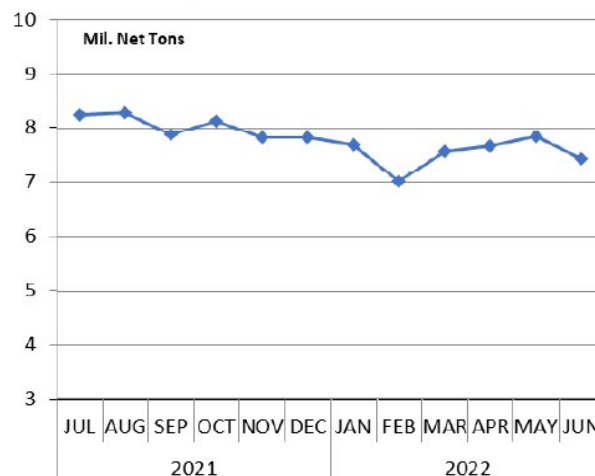
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

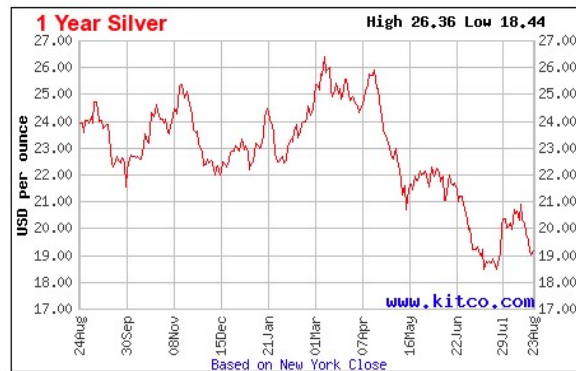
NOTE: Rate of capability utilization for June 2022 was approximately 79.6%, 7.45 million net tons. Given the large number of changes to steelmaking capability and the evolving market, AISI is updating the capacity statistics.

Average Weekly Raw Steel Production



Monthly Raw Steel Production





Source: Kitco website - www.kitco.com/connecting.html

U.S. Rail Traffic¹
Week 33, 2022 – Ended August 20, 2022

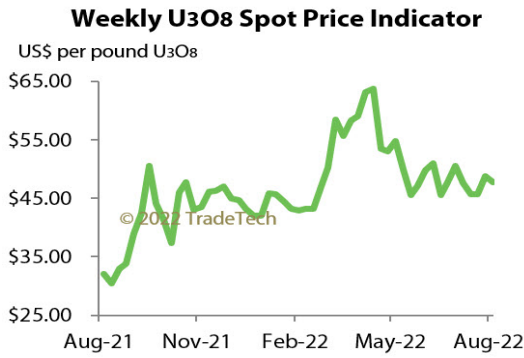
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	237,404	2.9%	7,606,648	230,504	0.0%
Chemicals	33,038	2.2%	1,111,412	33,679	3.7%
Coal	68,280	6.8%	2,148,936	65,119	3.4%
Farm Products excl. Grain, and Food	17,031	14.3%	537,556	16,290	3.9%
Forest Products	9,987	1.1%	325,353	9,859	-1.6%
Grain	20,974	15.6%	731,999	22,182	-5.5%
Metallic Ores and Metals	22,270	-5.3%	690,842	20,935	-7.1%
Motor Vehicles and Parts	13,993	0.1%	429,019	13,001	-0.6%
Nonmetallic Minerals	33,550	1.4%	1,023,604	31,018	4.4%
Petroleum and Petroleum Products	9,681	-6.1%	312,128	9,458	-11.4%
Other	8,600	-18.5%	295,799	8,964	-9.1%
Total Intermodal Units	264,144	-2.4%	8,707,653	263,868	-5.5%
Total Traffic	501,548	0.1%	16,314,301	494,373	-3.0%

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.

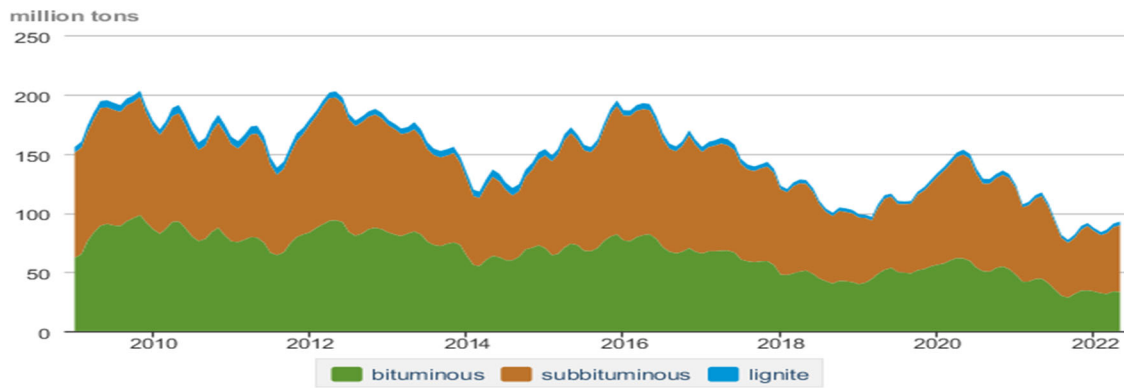
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

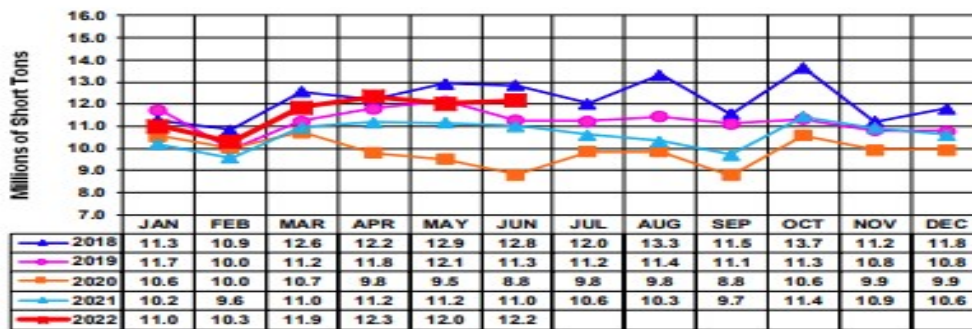
Coal stocks by type, January 2009 - May 2022



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

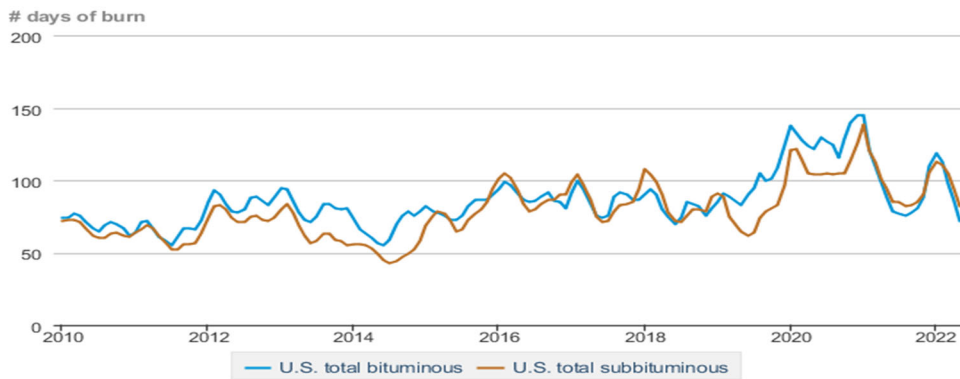
Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	07/22/22	07/29/22	08/05/22	08/12/22	08/19/22	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$177.30	\$177.30	\$181.55	\$181.55	\$187.15	\$5.60
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$142.55	\$142.55	\$141.50	\$141.50	\$145.85	\$4.35
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$183.50	\$183.50	\$186.50	\$186.50	\$189.70	\$3.20
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$16.55	\$16.55	\$16.30	\$16.30	\$16.25	-\$0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.50	\$41.50	\$43.00	\$43.00	\$42.85	-\$0.15

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*

Temperature – heating & cooling degree days (week ending Aug 11)

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	0	-3	-1	90	48	36
Middle Atlantic	0	-3	0	97	42	27
E N Central	1	-4	1	67	14	-7
W N Central	1	-2	1	72	7	-8
South Atlantic	0	0	0	109	15	12
E S Central	0	0	0	100	8	7
W S Central	0	0	0	137	13	11
Mountain	0	-3	0	76	4	-1
Pacific	0	-2	0	66	20	2
United States	0	-2	0	91	19	8

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



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

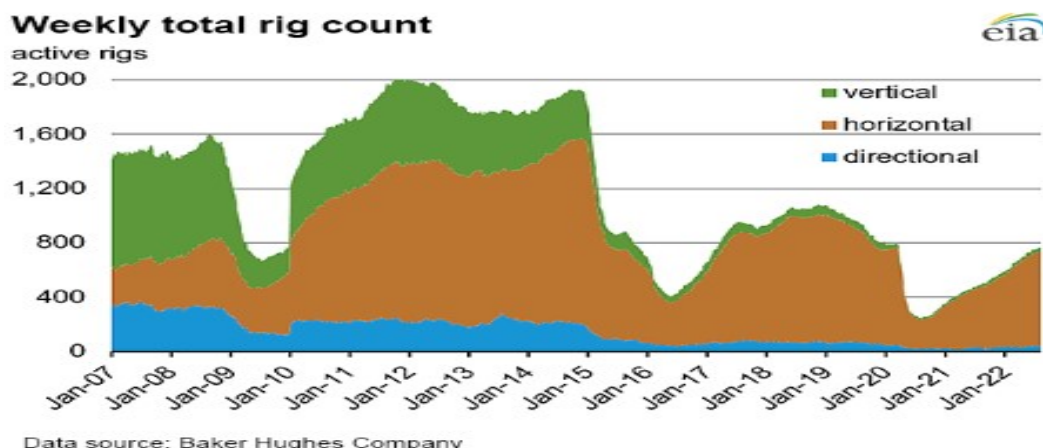
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-08-12	2022-08-05	change
East	571	564	7
Midwest	684	663	21
Mountain	151	148	3
Pacific	248	252	-4
South Central	866	874	-8
Total	2,519	2,501	18

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					
	August 2022	September 2022	change	August 2022	September 2022	change			
Anadarko	711	713	2	3,827	3,823	(4)			
Appalachia	191	191	-	27,939	27,855	(84)			
Bakken	1,726	1,726	-	2,503	2,503	-			
Eagle Ford	1,739	1,695	(44)	6,550	6,386	(164)			
Haynesville	20	20	-	11,022	10,912	(110)			
Niobrara	1,517	1,502	(15)	3,817	3,759	(58)			
Permian	1,107	1,095	(12)	2,150	2,127	(23)			
Rig-weighted average	1,011	1,004	(7)	5,820	5,668	(152)			

Source: Energy Information Administration, *Drilling Productivity Report*

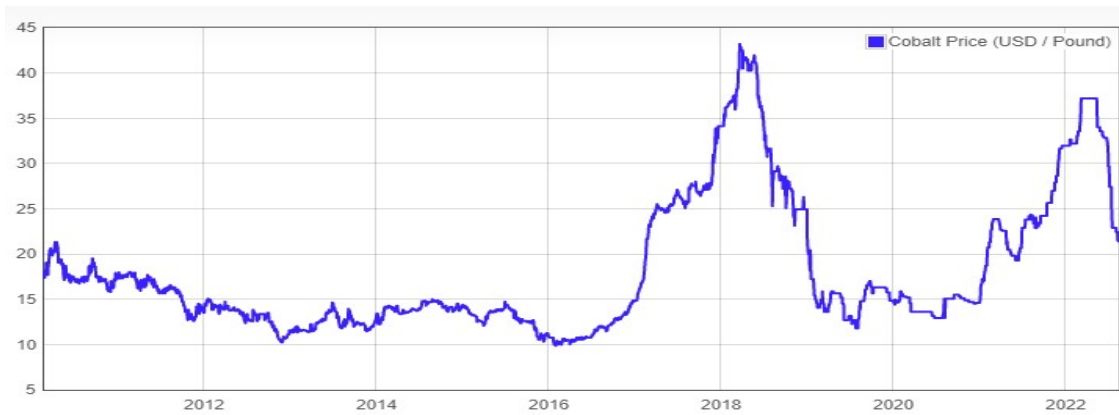
USGS Cobalt – U.S. Trade, Reported Stocks and Listed Prices

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

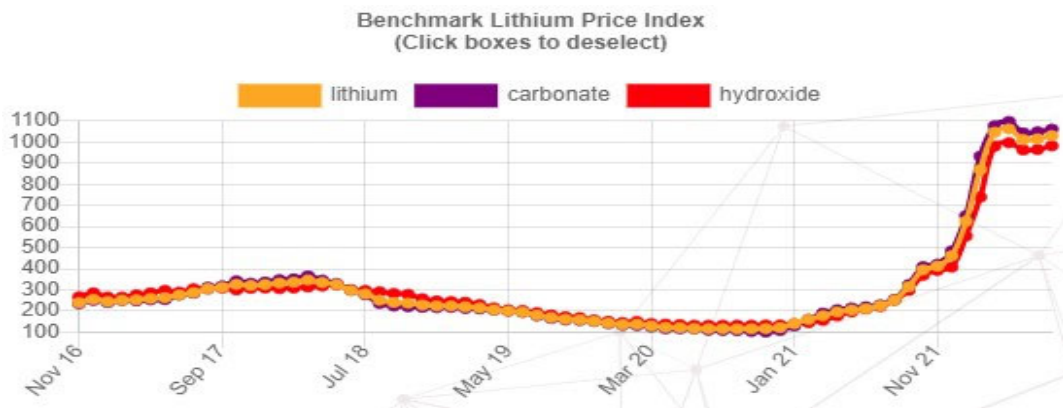
Cobalt and Lithium Prices

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/>