



NATIONAL MINING ASSOCIATION

WEEKLY STATISTICAL SUMMARY

August 19, 2022 Edition

(Data for Week Ending August 13, 2022)

Prepared by

National Mining Association

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NMA WEEKLY STATISTICAL SUMMARY

Vol. 60, No. 33 | Dated 08/19/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/13/22	08/14/21	% Chg	08/13/22	08/13/21	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,740	11,401	3.0%	361,273	352,572	2.5%
52 Weeks Ended	584,669	558,672	4.7%			
AAR Coal Rail Cars Loaded:	69,300	67,054	3.3%	2,087,903	2,020,437	3.3%
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
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		
	08/13/22	08/13/21	% Chg	08/13/22	08/13/21	% Chg
EEl Electric Total Output (Mil. Kwh)	91,862	93,435	-1.7%	2,675,235	2,580,263	3.7%
EEl Coal Region Output (Mil. Kwh)	79,533	81,051	-1.9%	2,326,541	2,234,344	4.1%
AISI Raw Steel Output (000 Tons)	1,742	1,872	-6.9%	56,212	58,088	-3.2%

EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	08/12/22	08/05/22	% Chg	Wed.	08/10/22
Central App, 12,500 Btu, 1.2 SO ₂	\$181.55	\$181.55	0.0%	Henry Hub	7.89
Northern App, 13,000 Btu, < 3.0 SO ₂	141.50	141.50	0.0%	New York	7.43
Illinois Basin, 11,800, 5.0 SO ₂	186.50	186.50	0.0%	Chicago	7.79
Powder River Basin, 8,800 Btu 0.8 SO ₂	16.30	16.30	0.0%	Cal.Comp.Avg.	8.93
Uinta Basin, 11,700 Btu, 0.8 SO ₂	43.00	43.00	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		
	8/13/2022 (week 33)	8/6/2022 (week 32)	8/14/2021 (week 33)	8/13/2022	8/13/2021	% Change	8/13/2022	8/14/2021	% Change
Alabama	139	129	172	5,238	6,283	-16.6	8,377	10,545	-20.6
Alaska	18	16	17	602	650	-7.3	992	1,045	-5.1
Colorado	289	280	261	7,573	6,596	14.8	12,818	10,509	22.0
Illinois	617	575	621	22,015	24,731	-11.0	34,051	36,688	-7.2
Indiana	385	369	384	12,115	11,864	2.1	19,672	19,041	3.3
Kentucky total	525	495	489	16,808	16,142	4.1	27,028	25,752	5.0
Eastern (KY)	233	220	194	6,999	5,999	16.7	11,105	9,175	21.0
Western (KY)	292	275	295	9,809	10,144	-3.3	15,923	16,576	-3.9
Louisiana	7	7	8	175	170	2.8	304	289	5.2
Maryland	25	24	25	783	792	-1.2	1,250	1,182	5.8
Mississippi	66	64	66	1,972	2,044	-3.5	3,120	2,867	8.8
Missouri	s	s	s	30	37	-18.1	37	95	-61.1
Montana	614	593	600	17,801	16,993	4.8	29,309	27,100	8.2
New Mexico	175	182	156	5,774	5,354	7.9	9,666	8,973	7.7
North Dakota	517	483	558	16,385	16,477	-0.6	26,378	26,402	-0.1
Ohio	49	48	56	1,553	1,636	-5.0	2,672	2,867	-6.8
Oklahoma	s	s	s	1	s	NM	1	s	100.0
Pennsylvania total	741	690	708	25,437	27,534	-7.6	40,233	42,014	-4.2
Anthracite (PA)	41	42	39	1,324	1,225	8.1	2,205	2,101	5.0
Bituminous (PA)	700	648	669	24,114	26,310	-8.3	38,028	39,913	-4.7
Texas	348	336	370	9,857	9,866	-0.1	17,194	17,387	-1.1
Utah	230	219	241	7,370	7,701	-4.3	12,072	12,633	-4.4
Virginia	226	217	221	6,796	6,649	2.2	11,020	10,418	5.8
West Virginia total	1,556	1,468	1,436	49,879	48,747	2.3	79,552	74,908	6.2
Northern (WV)	859	805	792	27,716	27,372	1.3	44,701	42,780	4.5
Southern (WV)	697	663	643	22,163	21,375	3.7	34,851	32,128	8.5
Wyoming	5,214	4,962	5,013	153,107	142,305	7.6	248,923	227,958	9.2
Appalachian total	2,969	2,796	2,812	96,686	97,639	-1.0	154,210	151,109	2.1
Interior total	1,715	1,628	1,744	55,973	58,856	-4.9	90,301	92,944	-2.8
Western total	7,055	6,736	6,845	208,614	196,076	6.4	340,158	314,619	8.1
East of Mississippi River	4,329	4,079	4,178	142,596	146,422	-2.6	226,975	226,282	0.3
West of Mississippi River	7,411	7,080	7,223	218,677	206,150	6.1	357,694	332,390	7.6
Bituminous and lignite	11,699	11,118	11,362	359,949	351,347	2.4	582,464	556,570	4.7
Anthracite	41	42	39	1,324	1,225	8.1	2,205	2,101	5.0
U.S. total	11,740	11,159	11,401	361,273	352,572	2.5	584,669	558,672	4.7
Railroad cars loaded	69,300	65,812	67,054	2,087,903	2,020,437	3.3	3,393,617	3,219,136	5.4

Source: Energy Information Administration



Weekly Electric Output

Volume 90 No. 33

OUTPUT FOR WEEK ENDED - Aug 13, 2022

Aug 17, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Aug 13, 2022** was **91,862** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **197** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended August 13		52 Weeks Ended August 13	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,849	-3.8	116,934	1.8
Mid-Atlantic	10,402	-0.2	421,764	2.0
Central Industrial	13,687	-6.7	661,379	3.0
West Central	7,549	-0.8	341,833	3.7
Southeast	21,977	-3.3	1,035,926	3.0
South Central	19,392	2.3	827,682	7.9
Rocky Mountain	6,526	-2.1	293,889	-0.1
Pacific Northwest	2,941	-1.2	159,833	1.3
Pacific Southwest	6,539	1.5	268,368	-1.0
Total United States	91,862	-1.7	4,127,606	3.3

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Jul 23	99,445	Jul 24	89,781	10.8	Jul 23	4,118,572	3.2
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 13	2,675,235	Aug 14	2,580,263	3.7	YEAR TO DATE, FIRST 33 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Jul 23	191	Jul 24	171	Jul 25	182
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

* Excludes Alaska and Hawaii.

+ Includes investor-owned companies, cooperatives and government-owned utilities.

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**EEl WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)**

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	13-Aug 2022 GWh Output	14-Aug 2021 GWh Output	% Increase Over Corresponding Week	13-Aug 2022 GWh Output	14-Aug 2021 GWh Output	% Increase Over Corresponding Week	13-Aug 2022 GWh Output	14-Aug 2021 GWh Output	% Increase Over Corresponding Week
New England	2,849	2,961	-3.8%	75,041	74,036	1.4%	116,934	114,899	1.8%
Mid-Atlantic	10,402	10,427	-0.2%	272,285	268,818	1.3%	421,764	413,390	2.0%
Central Industrial	13,687	14,663	-6.7%	430,499	420,160	2.5%	661,379	642,080	3.0%
West Central	7,549	7,609	-0.8%	220,507	213,811	3.1%	341,833	329,732	3.7%
Southeast	21,977	22,733	-3.3%	672,176	651,089	3.2%	1,035,926	1,006,203	3.0%
South Central	19,392	18,952	2.3%	544,001	494,334	10.0%	827,682	766,816	7.9%
Rocky Mountain	6,526	6,667	-2.1%	187,073	186,132	0.5%	293,889	294,198	-0.1%
Pacific Northwest	2,941	2,978	-1.2%	104,765	103,107	1.6%	159,833	157,724	1.3%
Pacific Southwest	6,539	6,445	1.5%	168,888	168,780	0.1%	268,368	271,054	-1.0%
Total United States ^{1/}	<u>91,862</u>	<u>93,435</u>	-1.7%	<u>2,675,235</u>	<u>2,580,267</u>	3.7%	<u>4,127,608</u>	<u>3,996,096</u>	3.3%
Coal Regions Only ^{2/}	79,533	81,051	-1.9%	2,326,541	2,234,344	4.1%	3,582,473	3,452,419	3.8%

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 15, 2022

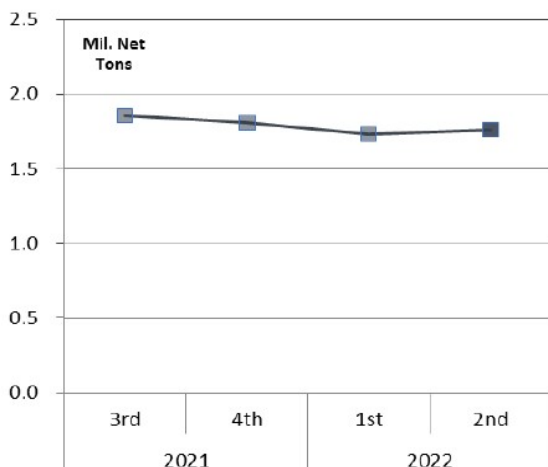
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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</u>		
				<u>Aug 13</u>	<u>Aug 6</u>	
<u>Week Ending</u>				North East	159	162
				Great Lakes	557	567
August 13, 2022	1,742	1.1	79.0	Midwest	202	197
August 13, 2021	1,872	-6.9	84.8	Southern	757	731
August 6, 2022	1,723	-0.2	78.2	Western	67	66
				Total	1,742	1,723
<u>Year-to-Date +</u>						
August 13, 2022	56,212	-3.2	80.1			
August 13, 2021	58,088	-	80.7			

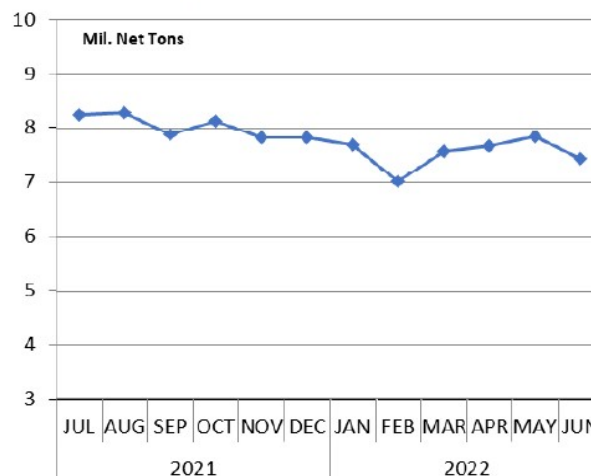
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 32, 2022 – Ended August 13, 2022

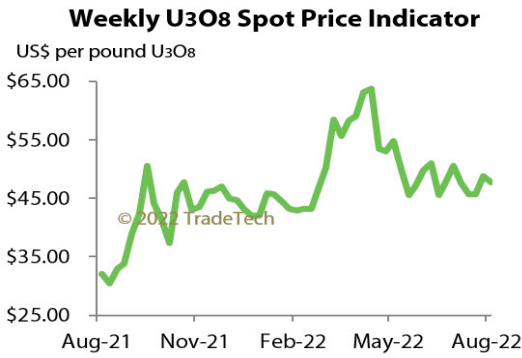
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	237,851	1.3%	7,369,244	230,289	-0.1%
Chemicals	32,924	-0.2%	1,078,374	33,699	3.7%
Coal	69,300	3.7%	2,080,656	65,021	3.3%
Farm Products excl. Grain, and Food	16,508	8.1%	520,525	16,266	3.6%
Forest Products	9,679	-0.7%	315,366	9,855	-1.7%
Grain	21,408	10.5%	711,025	22,220	-6.0%
Metallic Ores and Metals	21,743	-12.0%	668,572	20,893	-7.2%
Motor Vehicles and Parts	13,453	-0.4%	415,026	12,970	-0.7%
Nonmetallic Minerals	34,323	5.2%	990,054	30,939	4.5%
Petroleum and Petroleum Products	9,732	-5.6%	302,447	9,451	-11.6%
Other	8,781	-6.3%	287,199	8,975	-8.7%
Total Intermodal Units	264,924	-1.8%	8,443,509	263,860	-5.6%
Total Traffic	502,775	-0.3%	15,812,753	494,149	-3.1%

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.

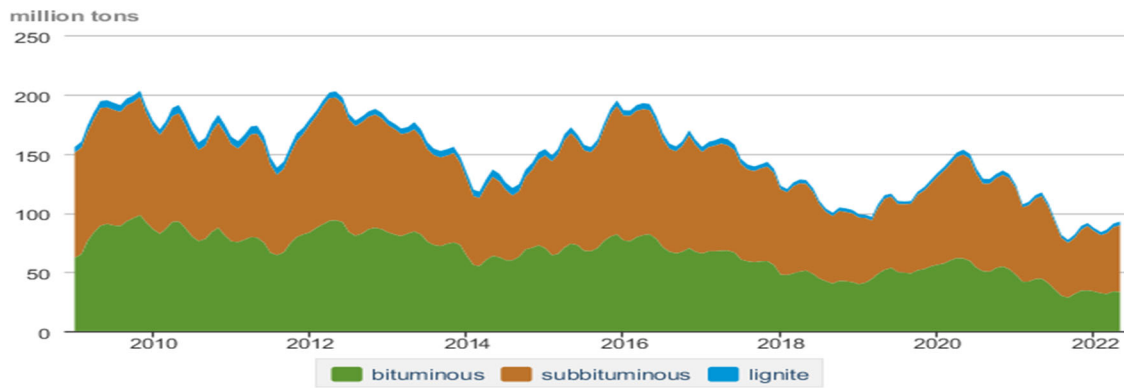
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

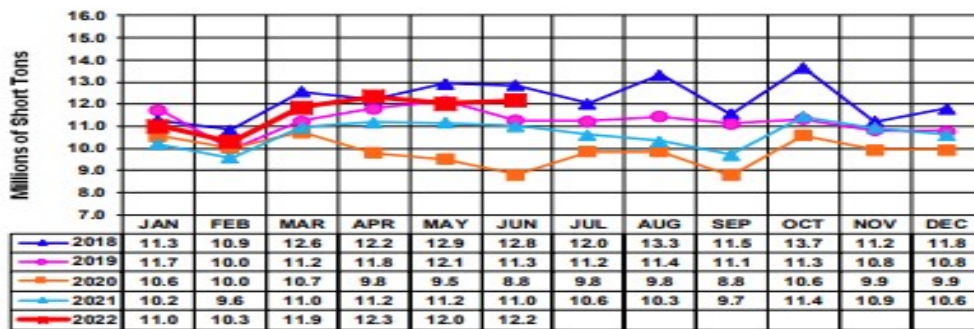
Coal stocks by type, January 2009 - May 2022



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.

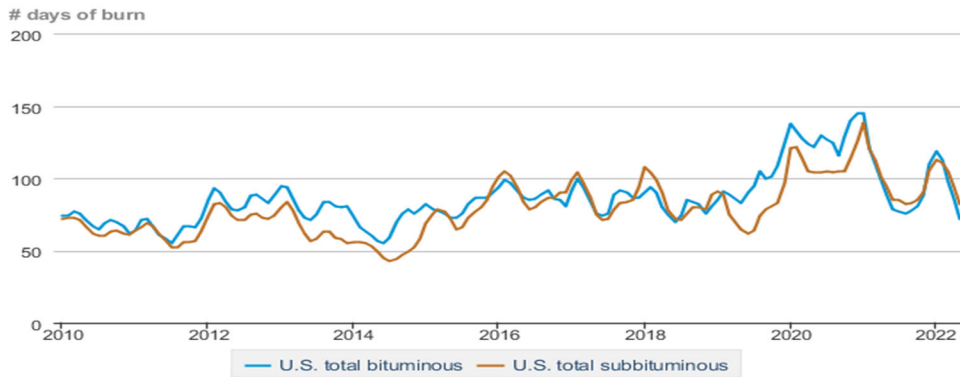
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	07/15/22	07/22/22	07/29/22	08/05/22	08/12/22	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$177.30	\$177.30	\$177.30	\$181.55	\$181.55	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$142.55	\$142.55	\$142.55	\$141.50	\$141.50	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$183.50	\$183.50	\$183.50	\$186.50	\$186.50	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$16.55	\$16.55	\$16.55	\$16.30	\$16.30	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$41.50	\$41.50	\$41.50	\$43.00	\$43.00	\$0.00

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 04)

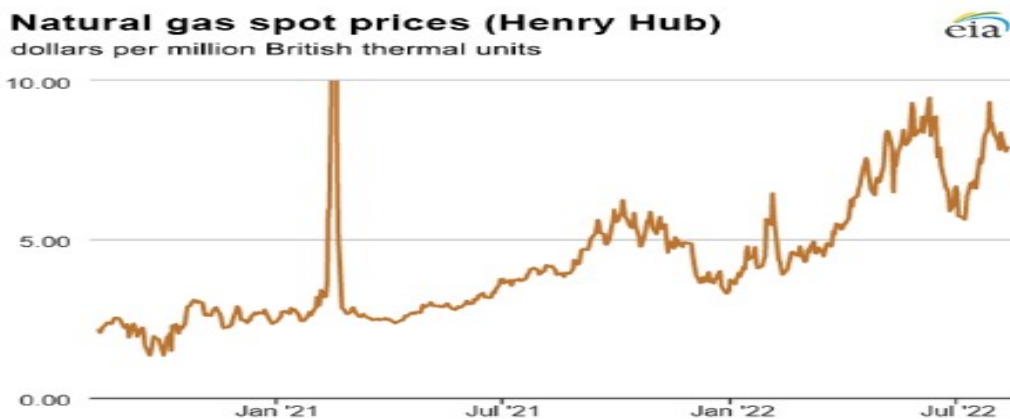
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	0	-2	-7	69	25	54
Middle Atlantic	0	-3	-3	70	11	42
E N Central	1	-3	-4	57	1	24
W N Central	1	-2	-1	71	1	12
South Atlantic	0	0	0	109	12	15
E S Central	0	0	0	97	3	8
W S Central	0	0	0	143	17	20
Mountain	0	-2	0	80	3	-4
Pacific	0	-2	0	73	26	-4
United States	0	-2	-2	86	12	18

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

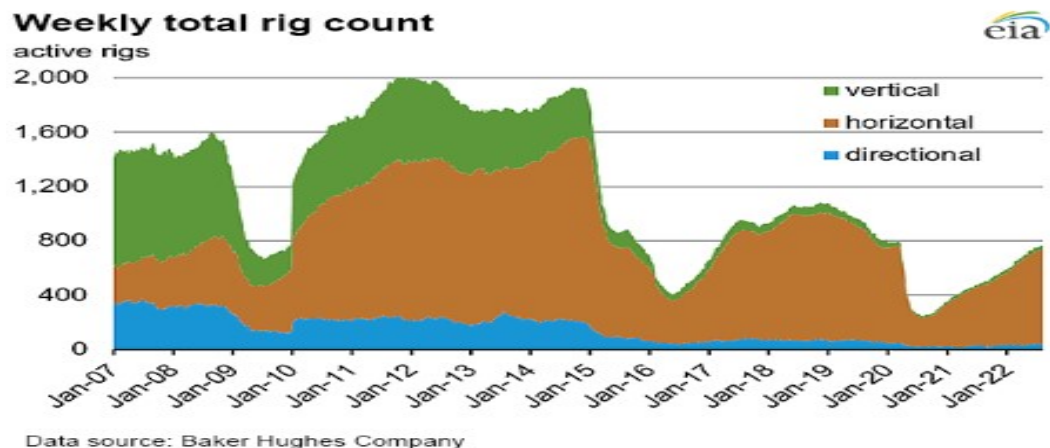
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-08-05	2022-07-29	change
East	564	549	15
Midwest	663	643	20
Mountain	148	147	1
Pacific	252	253	-1
South Central	874	865	9
Total	2,501	2,457	44

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

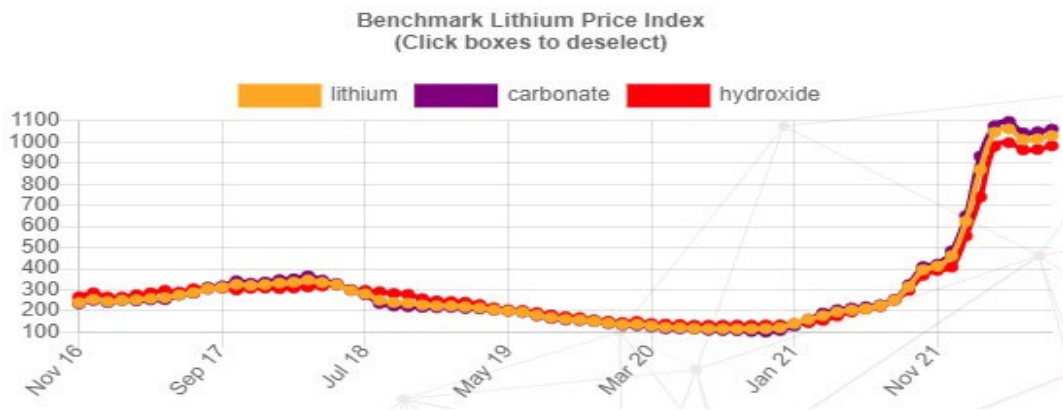
Cobalt and Lithium Prices

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/>