



NATIONAL MINING ASSOCIATION

WEEKLY STATISTICAL SUMMARY

August 12, 2022 Edition

(Data for Week Ending August 6, 2022)

Prepared by

National Mining Association

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NMA WEEKLY STATISTICAL SUMMARY

Vol. 60, No. 32 | Dated 08/12/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	08/06/22	08/07/21	% Chg	08/6/22	08/6/21	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,165	11,364	-1.8%	349,539	341,175	2.5%
52 Weeks Ended	584,537	557,641	4.8%			
AAR Coal Rail Cars Loaded:	65,812	66,838	-1.5%	2,018,603	1,953,412	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
	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	68	13	423.1%	191	189	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		
	08/06/22	08/06/21	% Chg	08/06/22	08/06/21	% Chg
EEl Electric Total Output (Mil. Kwh)	96,094	86,013	11.7%	2,583,373	2,486,828	3.9%
EEl Coal Region Output (Mil. Kwh)	83,577	74,375	12.4%	2,247,008	2,153,293	4.4%
AISI Raw Steel Output (000 Tons)	1,723	1,869	-7.8%	54,470	56,216	-3.1%

EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	08/05/22	07/29/22	% Chg	Wed.	08/3/22
Central App, 12,500 Btu, 1.2 SO ₂	\$181.55	\$177.30	2.4%	Henry Hub	7.83
Northern App, 13,000 Btu, < 3.0 SO ₂	141.50	142.55	-0.7%	New York	8.11
Illinois Basin, 11,800, 5.0 SO ₂	186.50	183.50	1.6%	Chicago	7.51
Powder River Basin, 8,800 Btu 0.8 SO ₂	16.30	16.55	-1.5%	Cal.Comp.Avg.	8.54
Uinta Basin, 11,700 Btu, 0.8 SO ₂	43.00	41.50	3.6%		

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		
	8/6/2022 (week 32)	7/30/2022 (week 31)	8/7/2021 (week 32)	8/6/2022	8/6/2021	% Change	8/6/2022	8/7/2021	% Change
Alabama	129	139	172	5,099	6,110	-16.6	8,410	10,594	-20.6
Alaska	16	18	17	585	633	-7.6	992	1,045	-5.1
Colorado	280	293	260	7,284	6,336	15.0	12,789	10,438	22.5
Illinois	575	597	619	21,398	24,110	-11.3	34,055	36,648	-7.1
Indiana	369	382	383	11,730	11,479	2.2	19,671	19,035	3.3
Kentucky total	494	527	487	16,283	15,654	4.0	26,991	25,757	4.8
Eastern (KY)	219	236	193	6,766	5,805	16.6	11,066	9,138	21.1
Western (KY)	275	292	294	9,517	9,849	-3.4	15,926	16,619	-4.2
Louisiana	7	7	8	167	162	3.5	305	286	6.6
Maryland	24	24	25	758	767	-1.2	1,250	1,174	6.5
Mississippi	64	62	66	1,906	1,978	-3.7	3,119	2,870	8.7
Missouri	s	s	s	30	37	-19.2	37	98	-62.2
Montana	593	605	598	17,187	16,394	4.8	29,296	26,981	8.6
New Mexico	182	166	155	5,600	5,198	7.7	9,647	9,031	6.8
North Dakota	482	522	556	15,868	15,919	-0.3	26,419	26,352	0.3
Ohio	48	50	56	1,505	1,580	-4.8	2,679	2,876	-6.8
Oklahoma	s	s	s	1	s	NM	1	s	100.0
Pennsylvania total	690	729	706	24,697	26,827	-7.9	40,200	41,988	-4.3
Anthracite (PA)	42	40	39	1,282	1,186	8.2	2,203	2,109	4.5
Bituminous (PA)	648	689	667	23,414	25,641	-8.7	37,997	39,879	-4.7
Texas	336	350	369	9,509	9,496	0.1	17,216	17,413	-1.1
Utah	219	226	240	7,141	7,461	-4.3	12,083	12,647	-4.5
Virginia	217	221	220	6,570	6,428	2.2	11,015	10,360	6.3
West Virginia total	1,479	1,556	1,431	48,333	47,311	2.2	79,642	74,756	6.5
Northern (WV)	805	868	790	26,856	26,580	1.0	44,634	42,726	4.5
Southern (WV)	674	688	641	21,477	20,732	3.6	35,008	32,029	9.3
Wyoming	4,959	5,181	4,997	147,890	137,294	7.7	248,719	227,295	9.4
Appalachian total	2,806	2,955	2,803	93,727	94,829	-1.2	154,263	150,886	2.2
Interior total	1,627	1,689	1,739	54,257	57,112	-5.0	90,329	92,967	-2.8
Western total	6,732	7,013	6,823	201,554	189,234	6.5	339,944	313,788	8.3
East of Mississippi River	4,089	4,287	4,165	138,277	142,246	-2.8	227,034	226,057	0.4
West of Mississippi River	7,076	7,369	7,200	211,262	198,930	6.2	357,503	331,584	7.8
Bituminous and lignite	11,124	11,617	11,326	348,257	339,990	2.4	582,334	555,532	4.8
Anthracite	42	40	39	1,282	1,186	8.2	2,203	2,109	4.5
U.S. total	11,165	11,657	11,364	349,539	341,175	2.5	584,537	557,641	4.8
Railroad cars loaded	65,812	68,617	66,838	2,018,603	1,953,412	3.3	3,391,371	3,210,953	5.6

Source: Energy Information Administration



Weekly Electric Output

Volume 90 No. 32

OUTPUT FOR WEEK ENDED - Aug 06, 2022

Aug 10, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Aug 06, 2022** was **96,094** gigawatthours (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 06		52 Weeks Ended August 06	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,944	26.6	117,046	1.9
Mid-Atlantic	10,223	20.6	421,789	2.1
Central Industrial	15,090	12.7	662,355	3.2
West Central	7,764	11.6	341,893	3.9
Southeast	23,732	12.7	1,036,681	3.1
South Central	20,058	13.0	827,242	7.8
Rocky Mountain	6,710	-0.6	294,030	-0.1
Pacific Northwest	3,020	-0.2	159,870	1.6
Pacific Southwest	6,553	4.2	268,274	-1.0
Total United States	96,094	11.7	4,129,180	3.4

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
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 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 06	2,583,373	Aug 07	2,486,828	3.9	YEAR TO DATE, FIRST 32 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Jul 16	177	Jul 17	169	Jul 18	178
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

* 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		
	6-Aug 2022 GWh Output	7-Aug 2021 GWh Output	% Increase Over Corresponding Week	6-Aug 2022 GWh Output	7-Aug 2021 GWh Output	% Increase Over Corresponding Week	6-Aug 2022 GWh Output	7-Aug 2021 GWh Output	% Increase Over Corresponding Week
New England	2,944	2,325	26.6%	72,192	71,075	1.6%	117,046	114,842	1.9%
Mid-Atlantic	10,223	8,474	20.6%	261,883	258,391	1.4%	421,789	413,137	2.1%
Central Industrial	15,090	13,393	12.7%	416,812	405,497	2.8%	662,355	641,633	3.2%
West Central	7,764	6,955	11.6%	212,958	206,202	3.3%	341,893	329,186	3.9%
Southeast	23,732	21,058	12.7%	650,199	628,356	3.5%	1,036,681	1,005,505	3.1%
South Central	20,058	17,744	13.0%	524,609	475,382	10.4%	827,242	767,094	7.8%
Rocky Mountain	6,710	6,751	-0.6%	180,547	179,465	0.6%	294,030	294,302	-0.1%
Pacific Northwest	3,020	3,027	-0.2%	101,824	100,129	1.7%	159,870	157,417	1.6%
Pacific Southwest	6,553	6,286	4.2%	162,349	162,335	0.0%	268,274	271,041	-1.0%
Total United States ^{1/}	<u>96,094</u>	<u>86,013</u>	11.7%	<u>2,583,373</u>	<u>2,486,832</u>	3.9%	<u>4,129,180</u>	<u>3,994,157</u>	3.4%
Coal Regions Only ^{2/}	83,577	74,375	12.4%	2,247,008	2,153,293	4.4%	3,583,990	3,450,857	3.9%

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 8, 2022

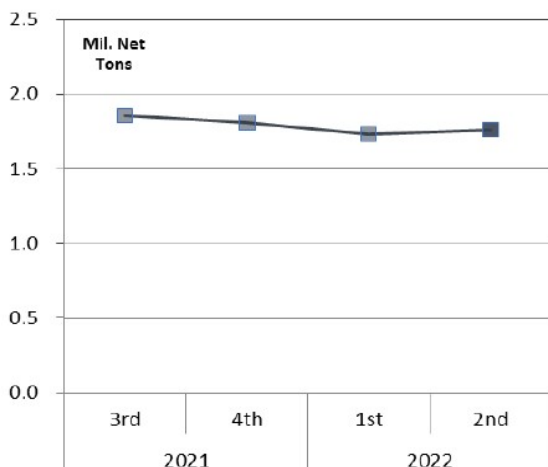
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Aug 6</u>	<u>July 30</u>
<u>Week Ending</u>				North East	162	166
				Great Lakes	567	562
August 6, 2022	1,723	-0.2	78.2	Midwest	197	207
August 6, 2021	1,869	-7.8	84.7	Southern	731	728
July 30, 2022	1,727	-1.5	78.4	Western	66	64
				Total	1,723	1,727
<u>Year-to-Date +</u>						
August 6, 2022	54,470	-3.1	80.1			
August 6, 2021	56,216	-	80.2			

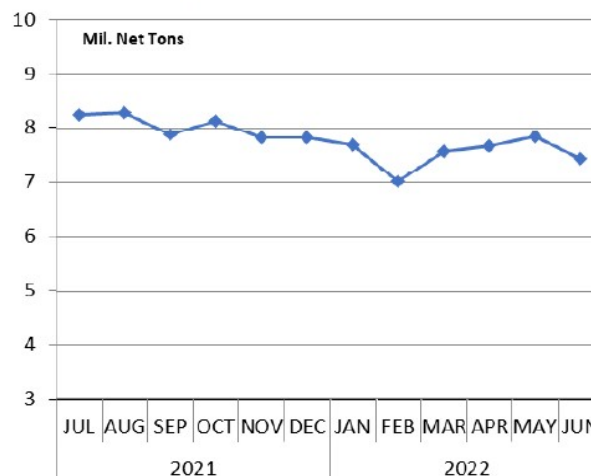
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 31, 2022 – Ended August 6, 2022

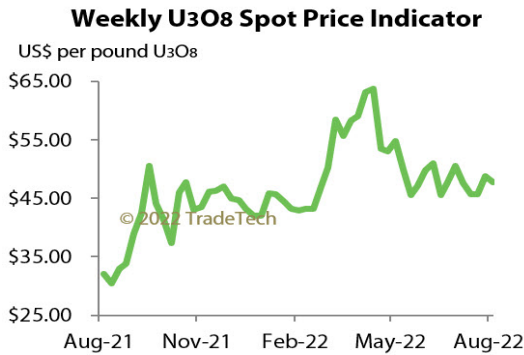
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	230,573	-1.6%	7,131,393	230,045	-0.1%
Chemicals	32,287	-4.1%	1,045,450	33,724	3.9%
Coal	65,812	-1.6%	2,011,356	64,882	3.3%
Farm Products excl. Grain, and Food	15,618	2.5%	504,017	16,259	3.4%
Forest Products	9,524	-4.0%	305,687	9,861	-1.7%
Grain	19,916	10.0%	689,617	22,246	-6.4%
Metallic Ores and Metals	22,167	-4.5%	646,829	20,865	-7.0%
Motor Vehicles and Parts	13,258	0.2%	401,573	12,954	-0.7%
Nonmetallic Minerals	34,409	1.9%	955,731	30,830	4.5%
Petroleum and Petroleum Products	9,681	-5.0%	292,715	9,442	-11.8%
Other	7,901	-22.2%	278,418	8,981	-8.8%
Total Intermodal Units	265,953	-3.4%	8,178,585	263,825	-5.7%
Total Traffic	496,526	-2.6%	15,309,978	493,870	-3.2%

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.

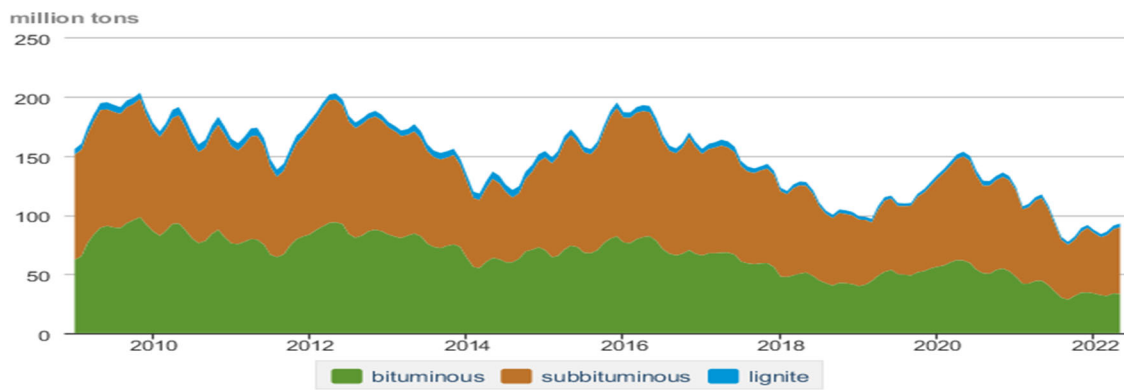
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

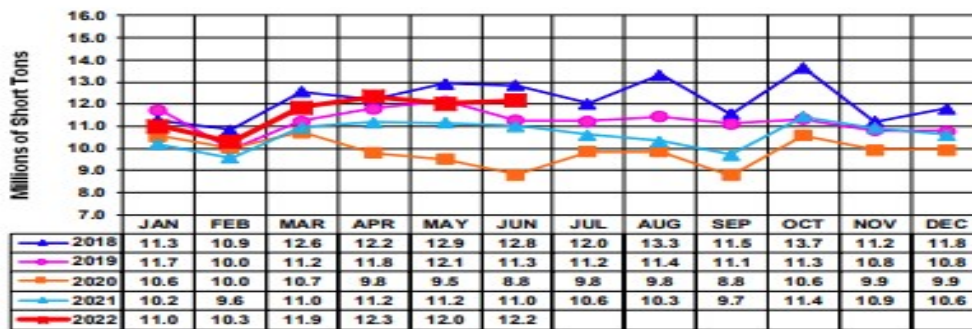
Coal stocks by type, January 2009 - May 2022



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.

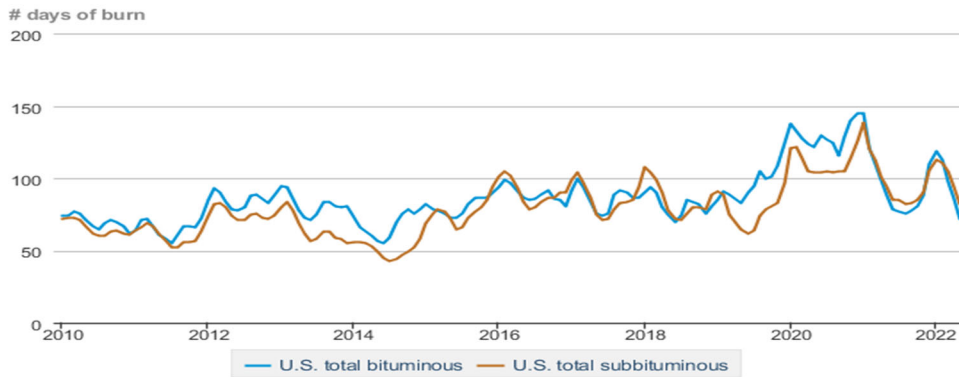
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	07/08/22	07/15/22	07/22/22	07/29/22	08/05/22	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$168.05	\$177.30	\$177.30	\$177.30	\$181.55	\$4.25
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$141.30	\$142.55	\$142.55	\$142.55	\$141.50	\$-1.05
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$190.25	\$183.50	\$183.50	\$183.50	\$186.50	\$3.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$16.55	\$16.55	\$16.55	\$16.55	\$16.30	\$-0.25
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$40.65	\$41.50	\$41.50	\$41.50	\$43.00	\$1.50

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 Jul 28)

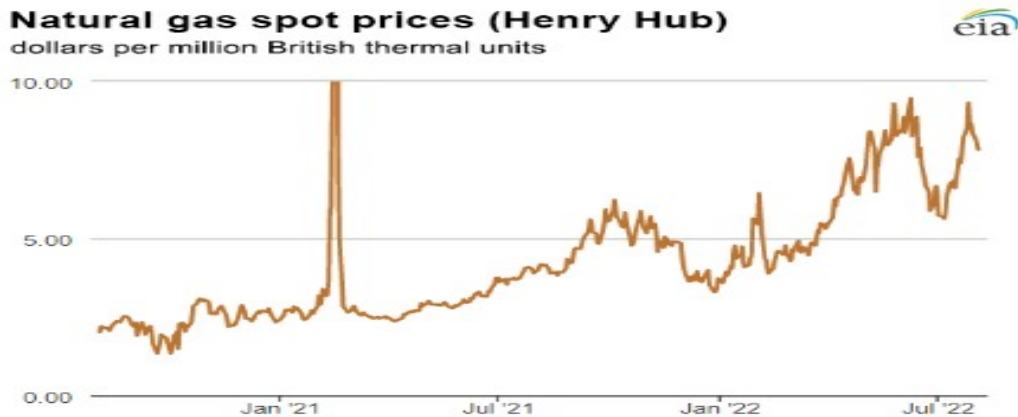
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	0	-2	-1	74	29	35
Middle Atlantic	0	-2	-1	86	27	28
E N Central	1	-2	0	63	5	-9
W N Central	2	-1	2	71	-1	-22
South Atlantic	0	0	0	112	14	8
E S Central	0	0	0	111	16	5
W S Central	0	0	0	148	22	19
Mountain	0	-3	0	84	4	8
Pacific	0	-2	0	64	17	5
United States	1	-2	0	90	15	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

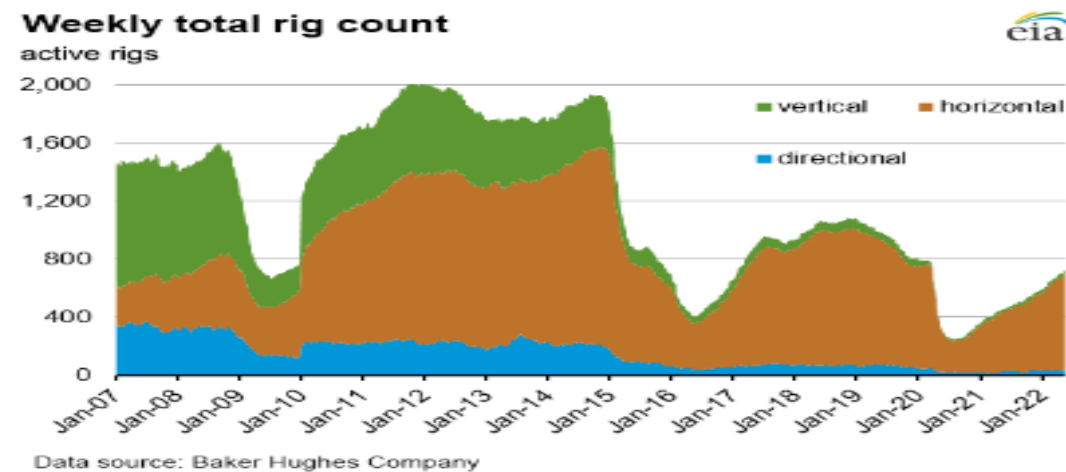
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-07-29	2022-07-22	change
East	549	532	17
Midwest	643	625	18
Mountain	147	144	3
Pacific	253	253	0
South Central	865	862	3
Total	2,457	2,416	41

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

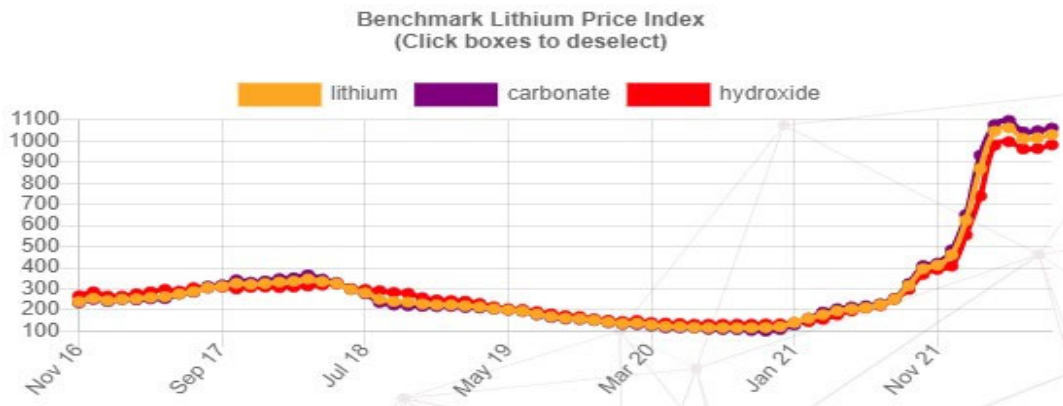
Cobalt and Lithium Prices

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/>