



NATIONAL MINING ASSOCIATION

WEEKLY STATISTICAL SUMMARY

September 16, 2022 Edition

(Data for Week Ending September 10, 2022)

Prepared by

National Mining Association

101 Constitution Avenue NW, Suite 500 East
Washington, DC 20001
(202) 463-2600
www.nma.org



NMA WEEKLY STATISTICAL SUMMARY

Vol. 60, No. 37 | Dated 09/16/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/10/22	09/11/21	% Chg	09/10/22	09/10/21	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,279	11,576	-2.6%	413,097	397,949	3.8%
52 Weeks Ended	591,033	560,610	5.4%			
AAR Coal Rail Cars Loaded:	67,492	69,927	-3.5%	2,370,963	2,289,007	3.6%
Coal Production	Aug 22/21		% Chg	Jan - Aug 22/21		% Chg
Month Ended - August	52,815	50,039	5.5%	381,317	396,437	-3.8%

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

	July 22/21			Jan - July 22/21		
			% Chg			% Chg
Exports:						
Metallurgical	3,822	3,390	12.7%	27,363	25,428	7.6%
Steam Bit. *	2,765	3,115	-11.2%	22,205	23,713	-6.4%
Lignite	6	4	50.0%	48	45	6.7%
Anthracite	102	5	1940.0%	393	194	102.6%
Total	6,695	6,514	2.8%	50,009	49,380	1.3%
Imports:	660	564	17.0%	3,618	3,170	14.1%

	Week Ended			Cumulative Week 1 to		
	09/10/22	09/11/21	% Chg	09/10/22	09/11/21	% Chg
EEl Electric Total Output (Mil. Kwh)	83,200	80,448	3.4%	3,021,206	2,928,299	3.2%
EEl Coal Region Output (Mil. Kwh)	70,756	69,172	2.3%	2,624,073	2,537,581	3.4%
AISI Raw Steel Output (000 Tons)	1,723	1,839	-6.3%	63,041	65,529	-3.8%

EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	09/09/22	09/02/22	% Chg	Wed.	09/14/22
Central App, 12,500 Btu, 1.2 SO ₂	\$192.90	\$192.90	0.0%	Henry Hub	8.69
Northern App, 13,000 Btu, < 3.0 SO ₂	176.50	176.50	0.0%	New York	7.80
Illinois Basin, 11,800, 5.0 SO ₂	196.65	196.65	0.0%	Chicago	8.08
Powder River Basin, 8,800 Btu 0.8 SO ₂	16.20	16.20	0.0%	Cal.Comp.Avg.	9.00
Uinta Basin, 11,700 Btu, 0.8 SO ₂	42.70	42.70	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		
	9/10/2022 (week 37)	9/3/2022 (week 36)	9/11/2021 (week 37)	9/10/2022	9/10/2021	% Change	9/10/2022	9/11/2021	% Change
Alabama	148	163	175	6,486	6,969	-6.9	8,938	10,302	-13.2
Alaska	18	19	18	662	719	-7.9	983	1,040	-5.5
Colorado	290	314	265	9,335	7,634	22.3	13,540	10,753	25.9
Illinois	600	681	630	26,380	27,203	-3.0	35,941	36,727	-2.1
Indiana	396	440	390	15,084	13,394	12.6	21,108	18,989	11.2
Kentucky total	527	577	496	19,603	18,089	8.4	27,875	25,625	8.8
Eastern (KY)	232	252	197	8,333	6,769	23.1	11,668	9,289	25.6
Western (KY)	296	325	300	11,270	11,319	-0.4	16,207	16,337	-0.8
Louisiana	6	7	8	218	203	7.7	315	301	4.7
Maryland	24	27	26	931	894	4.2	1,297	1,208	7.4
Mississippi	65	75	67	2,358	2,306	2.3	3,244	2,844	14.1
Missouri	s	s	s	40	37	6.3	46	83	-44.6
Montana	579	645	609	20,495	19,382	5.7	29,611	27,473	7.8
New Mexico	184	213	158	7,122	5,973	19.2	10,394	8,697	19.5
North Dakota	503	548	565	18,414	18,675	-1.4	26,176	26,472	-1.1
Ohio	52	56	57	1,856	1,855	s	2,752	2,815	-2.2
Oklahoma	s	s	s	1	s	101.0	1	s	100.0
Pennsylvania total	695	777	719	27,642	30,353	-8.9	39,616	41,977	-5.6
Anthracite (PA)	43	49	40	1,664	1,380	20.6	2,390	2,062	15.9
Bituminous (PA)	652	728	679	25,979	28,973	-10.3	37,226	39,916	-6.7
Tennessee	.	.	.	s	.	100.0	s	.	.
Texas	357	390	375	11,840	11,338	4.4	17,703	17,203	2.9
Utah	216	241	244	7,947	8,659	-8.2	11,689	12,525	-6.7
Virginia	204	228	225	7,465	7,530	-0.9	10,808	10,617	1.8
West Virginia total	1,512	1,669	1,459	57,586	54,474	5.7	81,538	75,259	8.3
Northern (WV)	852	926	805	31,984	30,527	4.8	45,810	42,843	6.9
Southern (WV)	661	743	654	25,602	23,947	6.9	35,728	32,417	10.2
Wyoming	4,903	5,428	5,090	171,629	162,263	5.8	247,459	229,697	7.7
Appalachian total	2,866	3,172	2,856	110,301	108,843	1.3	156,617	151,468	3.4
Interior total	1,720	1,920	1,771	67,191	65,801	2.1	94,564	92,484	2.2
Western total	6,693	7,408	6,949	235,605	223,306	5.5	339,853	316,657	7.3
East of Mississippi River	4,222	4,694	4,244	165,393	163,065	1.4	233,116	226,366	3.0
West of Mississippi River	7,057	7,806	7,332	247,703	234,884	5.5	357,917	334,244	7.1
Bituminous and lignite	11,236	12,451	11,537	411,433	396,569	3.7	588,643	558,548	5.4
Anthracite	43	49	40	1,664	1,380	20.6	2,390	2,062	15.9
U.S. total	11,279	12,500	11,576	413,097	397,949	3.8	591,033	560,610	5.4
Railroad cars loaded	67,492	72,999	69,927	2,370,963	2,289,007	3.6	3,407,491	3,239,783	5.2

Source: Energy Information Administration

EI

Weekly Electric Output

Volume 90 No. 37

OUTPUT FOR WEEK ENDED - Sep 10, 2022

Sep 14, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Sep 10, 2022** was **83,200** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **194** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended September 10		52 Weeks Ended September 10	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,196	-0.9	116,540	0.8
Mid-Atlantic	8,371	4.5	421,359	1.6
Central Industrial	12,217	3.3	658,723	2.2
West Central	6,798	4.0	340,898	2.8
Southeast	20,475	2.5	1,034,639	2.6
South Central	16,480	-0.2	826,751	7.4
Rocky Mountain	6,415	1.8	294,395	0.1
Pacific Northwest	2,601	-1.0	160,429	1.7
Pacific Southwest	7,647	18.9	271,808	0.9
Total United States	83,200	3.4	4,125,542	3.0

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Aug 20	86,685	Aug 21	89,556	-3.2	Aug 20	4,124,735	3.1
Aug 27	87,491	Aug 28	93,467	-6.4	Aug 27	4,118,759	2.9
Sep 03	88,595	Sep 04	84,565	4.8	Sep 03	4,122,789	3.0
Sep 10	83,200	Sep 11	80,448	3.4	Sep 10	4,125,542	3.0
Sep 10	3,021,206	Sep 11	2,928,299	3.2	YEAR TO DATE, FIRST 37 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Aug 20	190	Aug 21	187	Aug 22	175
Aug 27	192	Aug 28	196	Aug 29	187
Sep 03	200	Sep 04	183	Sep 05	178
Sep 10	194	Sep 11	177	Sep 12	187

* Excludes Alaska and Hawaii.

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

Copyright © 2022 Edison Electric Institute. All rights reserved.

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	10-Sep 2022 GWh Output	11-Sep 2021 GWh Output	% Increase Over Corresponding Week	10-Sep 2022 GWh Output	11-Sep 2021 GWh Output	% Increase Over Corresponding Week	10-Sep 2022 GWh Output	11-Sep 2021 GWh Output	% Increase Over Corresponding Week
New England	2,196	2,217	-0.9%	84,686	84,076	0.7%	116,540	115,611	0.8%
Mid-Atlantic	8,371	8,008	4.5%	308,521	305,459	1.0%	421,359	414,586	1.6%
Central Industrial	12,217	11,827	3.3%	482,350	474,667	1.6%	658,723	644,598	2.2%
West Central	6,798	6,535	4.0%	248,420	242,659	2.4%	340,898	331,524	2.8%
Southeast	20,475	19,981	2.5%	757,609	737,808	2.7%	1,034,639	1,008,085	2.6%
South Central	16,480	16,519	-0.2%	613,783	565,046	8.6%	826,751	769,940	7.4%
Rocky Mountain	6,415	6,302	1.8%	213,390	211,942	0.7%	294,395	293,975	0.1%
Pacific Northwest	2,601	2,627	-1.0%	115,808	113,556	2.0%	160,429	157,670	1.7%
Pacific Southwest	7,647	6,432	18.9%	196,639	193,090	1.8%	271,808	269,370	0.9%
Total United States ^{1/}	83,200	80,448	3.4%	3,021,206	2,928,303	3.2%	4,125,542	4,005,359	3.0%
Coal Regions Only ^{2/}	70,756	69,172	2.3%	2,624,073	2,537,581	3.4%	3,576,765	3,462,708	3.3%

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*.

AMERICAN IRON AND STEEL INSTITUTE
 25 Massachusetts Avenue, NW, Suite 800
 Washington, D.C. 20001

September 12, 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 Sep 10</u>	<u>Week Ending Sep 3</u>	
<u>Week Ending</u>				North East	146	151
				Great Lakes	568	539
September 10, 2022	1,723	0.5	78.2	Midwest	199	201
September 10, 2021	1,839	-6.3	83.3	Southern	740	759
September 3, 2022	1,715	-1.8	77.8	Western	70	65
				Total	1,723	1,715
<u>Year-to-Date +</u>						
September 10, 2022	63,041	-3.8	79.8			
September 10, 2021	65,529	-	81.0			

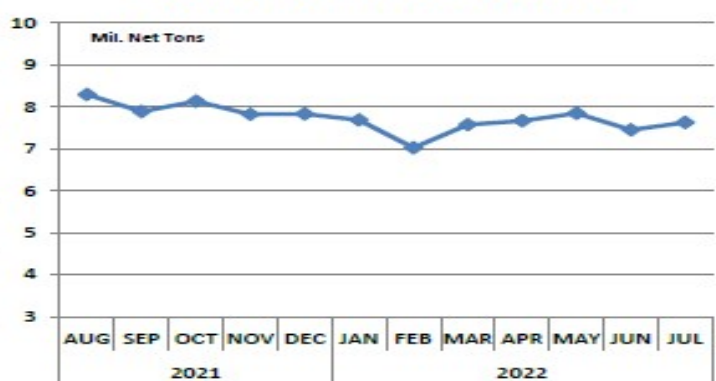
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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



*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 36, 2022 – Ended September 10, 2022

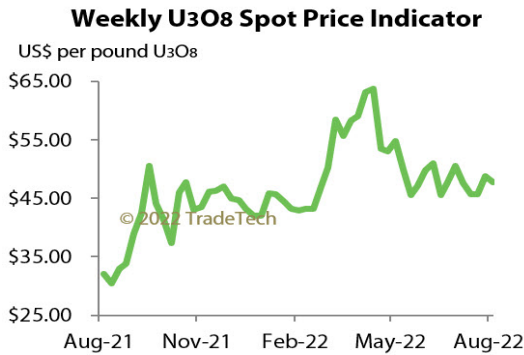
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	223,384	-0.2%	8,314,096	230,947	0.2%
Chemicals	30,476	1.9%	1,207,039	33,529	3.6%
Coal	67,492	-3.5%	2,363,722	65,659	3.5%
Farm Products excl. Grain, and Food	15,695	4.8%	585,490	16,264	4.1%
Forest Products	9,372	-2.0%	354,548	9,849	-1.7%
Grain	18,214	8.9%	790,013	21,945	-4.3%
Metallic Ores and Metals	19,937	-10.9%	755,944	20,998	-7.0%
Motor Vehicles and Parts	13,373	32.1%	470,845	13,079	0.7%
Nonmetallic Minerals	31,209	2.2%	1,121,902	31,164	4.2%
Petroleum and Petroleum Products	9,351	-4.6%	340,725	9,465	-11.1%
Other	8,265	-16.2%	323,868	8,996	-9.0%
Total Intermodal Units	240,877	-1.7%	9,489,127	263,587	-5.1%
Total Traffic	464,261	-0.9%	17,803,223	494,534	-2.7%

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.

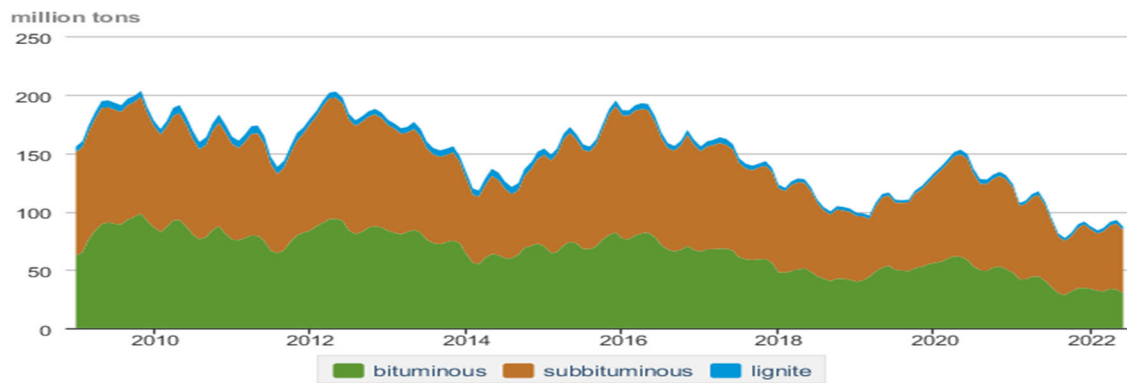
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

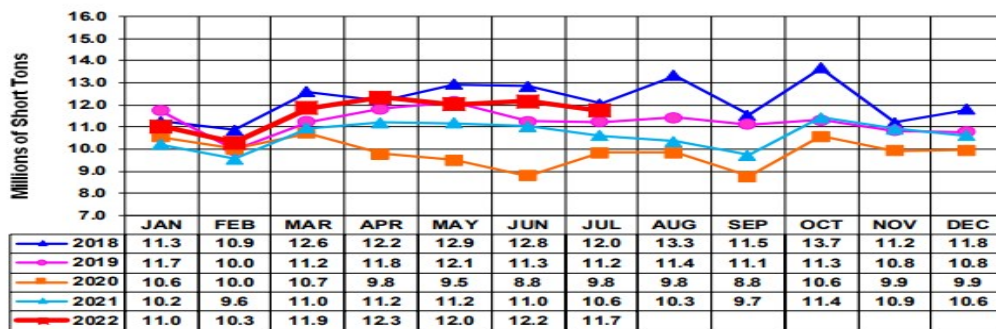
Coal stocks by type, January 2009 - June 2022



Source: U.S. Energy Information Administration

Source: Energy Information Administration, Electric Monthly Update

Coal and Coke Monthly Indicator for Internal U.S. Waterways



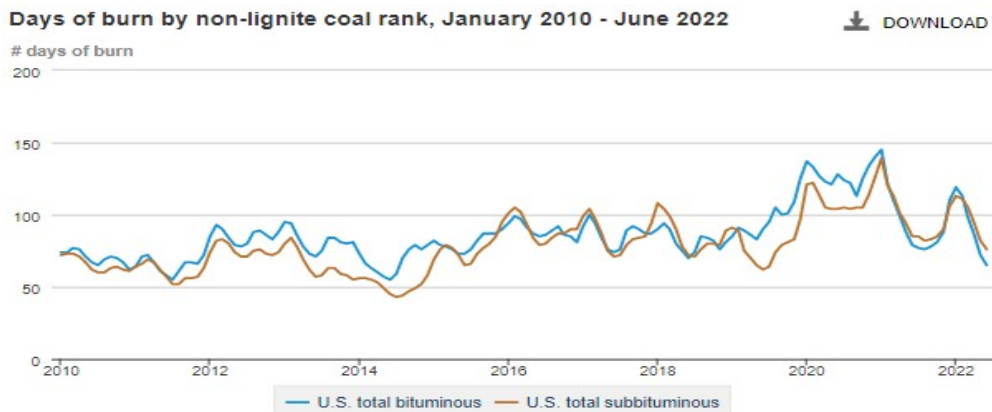
For the Internal U.S. Waterway Monthly Indicators, estimates for the most recent month are based on lock performance management data. The estimates will be superseded by actual data as it becomes available.

Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices dollars per short ton

	Week ending					Week ago
	08/12/22	08/19/22	08/26/22	09/02/22	09/09/22	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$181.55	\$187.15	\$187.15	\$192.90	\$192.90	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$141.50	\$145.85	\$145.85	\$176.50	\$176.50	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$186.50	\$189.70	\$189.70	\$196.65	\$196.65	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$16.30	\$16.25	\$16.25	\$16.20	\$16.20	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$43.00	\$42.85	\$42.85	\$42.70	\$42.70	\$0.00

Source: Energy Information Administration (with permission from S&P Global), *Coal Market Report*



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Sep 08)

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	10	-4	1	9	-2	-1
Middle Atlantic	2	-6	-5	33	9	15
E N Central	4	-8	-7	35	12	15
W N Central	5	-13	-3	46	13	7
South Atlantic	0	-1	-1	87	14	15
E S Central	0	-1	0	75	10	13
W S Central	0	-1	0	98	-1	-23
Mountain	0	-23	-2	85	35	24
Pacific	1	-7	0	97	61	43
United States	2	-7	-3	66	19	14

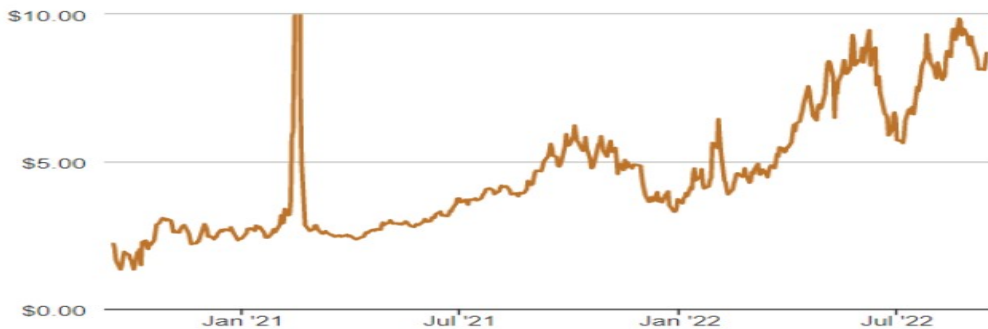
Data source: National Oceanic and Atmospheric Administration
Note: HDDs=heating degree days; CDDs=cooling degree days

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

Natural gas spot prices (Henry Hub)
dollars per million British thermal units



Data source: Natural Gas Intelligence

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	June 2022		June 2021		% Change of Stocks	May 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	1,644	298	2,627	365	-37.4%	1,384	270	18.8%
	Subbituminous								
South	Bituminous	11,374	53	14,613	65	-22.2%	12,155	63	-6.4%
	Subbituminous	3,602	40	4,931	54	-27.0%	3,503	45	2.8%
Midwest	Bituminous	6,925	59	8,801	73	-21.3%	7,010	65	-1.2%
	Subbituminous	19,048	92	23,351	106	-18.4%	19,538	92	-2.5%
West	Bituminous	3,279	156	2,770	134	18.4%	3,143	147	4.3%
	Subbituminous	18,135	78	21,522	82	-15.7%	19,578	88	-7.4%
U.S. Total	Bituminous	23,222	65	28,810	79	-19.4%	23,692	72	-2.0%
	Subbituminous	40,785	76	49,804	85	-18.1%	42,619	82	-4.3%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

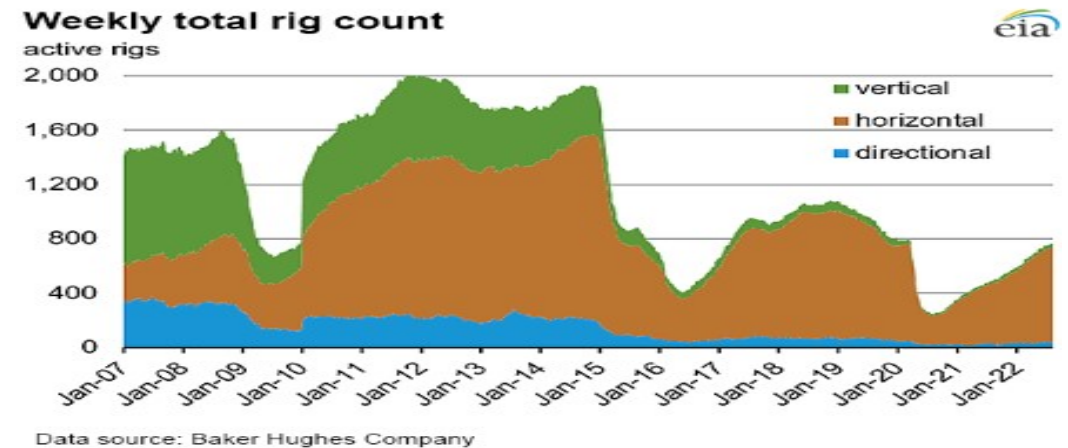
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-09-09	2022-09-02	change
East	661	635	26
Midwest	809	776	33
Mountain	163	159	4
Pacific	235	238	-3
South Central	904	887	17
Total	2,771	2,694	77

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					
	September 2022	October 2022	change	September 2022	October 2022	change			
Anadarko	711	713	2	3,835	3,843	8			
Appalachia	191	191	-	27,855	27,869	14			
Bakken	1,732	1,735	3	2,537	2,552	15			
Eagle Ford	1,688	1,654	(34)	6,386	6,258	(128)			
Haynesville	20	20	-	10,912	10,858	(54)			
Niobrara	1,500	1,485	(15)	3,759	3,703	(56)			
Permian	1,083	1,078	(5)	2,127	2,116	(11)			
Rig-weighted average	997	996	(1)	5,671	5,587	(84)			

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

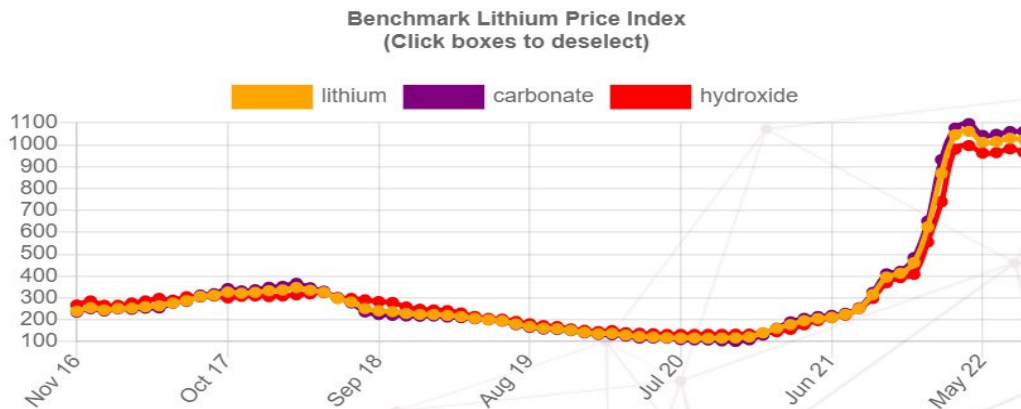
Cobalt and Lithium Prices

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/>