



NATIONAL MINING ASSOCIATION

WEEKLY STATISTICAL SUMMARY

October 21, 2022 Edition
(Data for Week Ending October 15, 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. 42 | Dated 10/21/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/15/22	10/16/21	% Chg	10/15/22	10/15/21	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,668	9,950	17.3%	472,732	454,532	4.0%
52 Weeks Ended	594,337	564,794	5.2%			
AAR Coal Rail Cars Loaded:	66,914	57,772	15.8%	2,715,203	2,620,291	3.6%
Coal Production	Sep 22/21		% Chg	Jan - Sep 22/21		% Chg
Month Ended - September	51,372	49,760	3.2%	447,814	431,076	3.9%

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

	Aug 22/21		% Chg	Jan - Aug 22/21		% Chg
Exports:						
Metallurgical	3,496	4,260	-17.9%	30,859	29,688	3.9%
Steam Bit. *	3,447	3,404	1.3%	25,652	27,116	-5.4%
Lignite	6	6	0.0%	54	51	5.9%
Anthracite	<u>14</u>	<u>27</u>	-48.1%	<u>307</u>	<u>221</u>	38.9%
Total	6,963	7,697	-9.5%	56,872	57,076	-0.4%
Imports:	779	368	111.7%	4,397	3,538	24.3%

	Week Ended			Cumulative Week 1 to		
	10/15/22	10/16/21	% Chg	10/15/22	10/16/21	% Chg
EEl Electric Total Output (Mil. Kwh)	70,244	73,017	-3.8%	3,389,776	3,309,093	2.4%
EEl Coal Region Output (Mil. Kwh)	60,559	63,494	-4.6%	2,942,295	2,868,370	2.6%
AISI Raw Steel Output (000 Tons)	1,688	1,836	-8.1%	71,395	74,719	-4.4%

EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	10/14/22	10/07/22	% Chg	Wed.	10/12/22
Central App, 12,500 Btu, 1.2 SO ₂	\$176.65	\$204.95	-13.8%	Henry Hub	6.47
Northern App, 13,000 Btu, < 3.0 SO ₂	180.25	187.55	-3.9%	New York	5.42
Illinois Basin, 11,800, 5.0 SO ₂	186.50	196.75	-5.2%	Chicago	5.84
Powder River Basin, 8,800 Btu 0.8 SO ₂	17.45	16.25	7.4%	Cal.Comp.Avg.	6.85
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.95	42.40	-1.1%		

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		
	10/15/2022 (week 42)	10/8/2022 (week 41)	10/16/2021 (week 42)	10/15/2022	10/15/2021	% Change	10/15/2022	10/16/2021	% Change
Alabama	154	160	134	7,271	7,786	-6.6	8,912	10,024	-11.1
Alaska	19	19	19	755	813	-7.1	982	1,038	-5.4
Colorado	299	301	237	10,861	8,949	21.4	13,756	11,086	24.1
Illinois	617	632	533	29,584	30,263	-2.2	36,099	36,775	-1.8
Indiana	420	413	337	17,202	15,306	12.4	21,323	19,055	11.9
Kentucky total	555	552	470	22,395	20,617	8.6	28,143	25,702	9.5
Eastern (KY)	245	244	190	9,558	7,780	22.9	11,883	9,499	25.1
Western (KY)	311	308	280	12,837	12,837	s	16,259	16,203	0.3
Louisiana	6	6	5	252	238	5.9	314	307	2.3
Maryland	25	24	20	1,058	1,015	4.3	1,304	1,232	5.8
Mississippi	65	63	48	2,702	2,610	3.5	3,287	2,902	13.3
Missouri	1	s	s	42	38	8.9	48	69	-30.4
Montana	596	590	507	23,565	22,320	5.6	29,758	27,876	6.8
New Mexico	231	232	193	8,223	6,881	19.5	10,583	8,650	22.3
North Dakota	509	512	423	21,027	21,288	-1.2	26,197	26,542	-1.3
Ohio	56	56	50	2,134	2,137	-0.1	2,750	2,780	-1.1
Oklahoma	s	s	s	1	s	72.2	1	s	100.0
Pennsylvania total	713	709	681	31,305	34,014	-8.0	39,625	42,028	-5.7
Anthracite (PA)	51	51	42	1,912	1,592	20.1	2,425	2,049	18.4
Bituminous (PA)	662	658	639	29,394	32,422	-9.3	37,199	39,979	-7.0
Tennessee	.	.	.	s	.	100.0	s	.	.
Texas	366	368	329	13,719	13,187	4.0	17,739	17,119	3.6
Utah	227	223	209	9,100	9,851	-7.6	11,656	12,454	-6.4
Virginia	209	206	186	8,545	8,610	-0.7	10,813	10,774	0.4
West Virginia total	1,589	1,591	1,358	65,623	61,849	6.1	82,218	76,041	8.1
Northern (WV)	896	895	791	36,479	34,694	5.1	46,143	43,154	6.9
Southern (WV)	692	696	567	29,145	27,156	7.3	36,075	32,887	9.7
Wyoming	5,014	4,912	4,211	197,364	186,757	5.7	248,832	232,341	7.1
Appalachian total	2,989	2,990	2,619	125,496	123,191	1.9	157,505	152,378	3.4
Interior total	1,785	1,790	1,532	76,340	74,481	2.5	95,069	92,430	2.9
Western total	6,894	6,789	5,798	270,896	256,860	5.5	341,764	319,986	6.8
East of Mississippi River	4,401	4,406	3,817	187,821	184,208	2.0	234,472	227,312	3.1
West of Mississippi River	7,267	7,164	6,133	284,910	270,324	5.4	359,865	337,482	6.6
Bituminous and lignite	11,617	11,518	9,908	470,820	452,940	3.9	591,912	562,745	5.2
Anthracite	51	51	42	1,912	1,592	20.1	2,425	2,049	18.4
U.S. total	11,668	11,570	9,950	472,732	454,532	4.0	594,337	564,794	5.2
Railroad cars loaded	66,914	65,989	57,772	2,715,203	2,620,291	3.6	3,422,270	3,268,638	4.7

Source: Energy Information Administration



Weekly Electric Output

Volume 90 No. 42

OUTPUT FOR WEEK ENDED - Oct 15, 2022

Oct 19, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Oct 15, 2022** was **70,244** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **181** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended October 15		52 Weeks Ended October 15	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	1,894	-5.9	115,929	-0.3
Mid-Atlantic	6,718	-8.5	418,499	0.0
Central Industrial	10,496	-8.8	654,456	0.6
West Central	5,954	0.0	339,838	1.7
Southeast	16,980	-9.1	1,027,813	1.1
South Central	15,119	0.4	829,011	6.7
Rocky Mountain	5,292	7.2	294,580	0.4
Pacific Northwest	2,499	-10.1	159,893	1.0
Pacific Southwest	5,292	11.8	273,299	2.2
Total United States	70,244	-3.8	4,113,318	2.0

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Sep 24	79,329	Sep 25	75,786	4.7	Sep 24	4,125,780	2.7
Oct 01	70,819	Oct 02	75,020	-5.6	Oct 01	4,121,580	2.4
Oct 08	69,706	Oct 09	75,195	-7.3	Oct 08	4,116,091	2.2
Oct 15	70,244	Oct 16	73,017	-3.8	Oct 15	4,113,318	2.0
Oct 15	3,389,776	Oct 16	3,309,093	2.4	YEAR TO DATE, FIRST 42 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Sep 24	199	Sep 25	178	Sep 26	178
Oct 01	177	Oct 02	178	Oct 03	183
Oct 08	176	Oct 09	187	Oct 10	171
Oct 15	181	Oct 16	185	Oct 17	174

* Excludes Alaska and Hawaii.

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

Copyright © 2022 Edison Electric Institute. All rights reserved.

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	15-Oct 2022 GWh Output	16-Oct 2021 GWh Output	% Increase Over Corresponding Week	15-Oct 2022 GWh Output	16-Oct 2021 GWh Output	% Increase Over Corresponding Week	15-Oct 2022 GWh Output	16-Oct 2021 GWh Output	% Increase Over Corresponding Week
New England	1,894	2,012	-5.9%	94,571	94,574	0.0%	115,929	116,235	-0.3%
Mid-Atlantic	6,718	7,342	-8.5%	344,289	344,087	0.1%	418,499	418,499	0.0%
Central Industrial	10,496	11,512	-8.8%	537,386	533,969	0.6%	654,456	650,603	0.6%
West Central	5,954	5,953	0.0%	278,781	274,080	1.7%	339,838	334,155	1.7%
Southeast	16,980	18,689	-9.1%	847,339	834,364	1.6%	1,027,813	1,016,429	1.1%
South Central	15,119	15,059	0.4%	693,502	642,505	7.9%	829,011	776,771	6.7%
Rocky Mountain	5,292	4,939	7.1%	240,998	239,365	0.7%	294,580	293,520	0.4%
Pacific Northwest	2,499	2,779	-10.1%	128,367	126,650	1.4%	159,893	158,340	1.0%
Pacific Southwest	5,292	4,732	11.8%	224,542	219,503	2.3%	273,299	267,305	2.2%
Total United States ^{1/}	70,244	73,017	-3.8%	3,389,775	3,309,097	2.4%	4,113,318	4,031,857	2.0%
Coal Regions Only ^{2/}	60,559	63,494	-4.6%	2,942,295	2,868,370	2.6%	3,564,197	3,489,977	2.1%

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

October 17, 2022

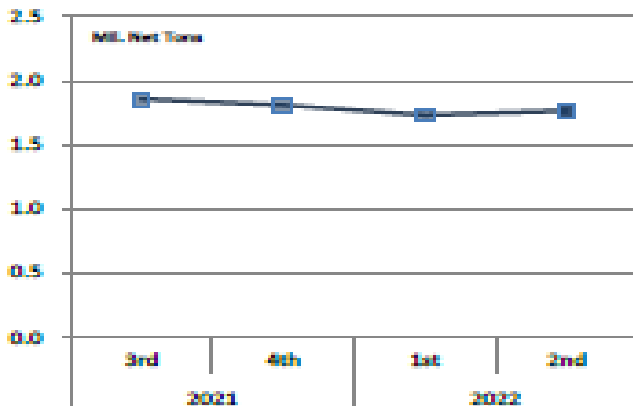
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

Period	Thousand Net Tons	Percent Change from Previous Period	Percent Capacity Utilization**	Production by District		
				Week Ending Oct 15	Week Ending Oct 8	
<u>Week Ending</u>				North East	141	136
				Great Lakes	556	545
October 15, 2022	1,688	0.5	75.7	Midwest	184	185
October 15, 2021	1,836	-8.1	83.2	Southern	739	743
October 8, 2022	1,680	-1.2	75.3	Western	68	71
				Total	1,688	1,680
<u>Year-to-Date +</u>						
October 15, 2022	71,395	-4.4	79.3			
October 15, 2021	74,719	-	81.2			

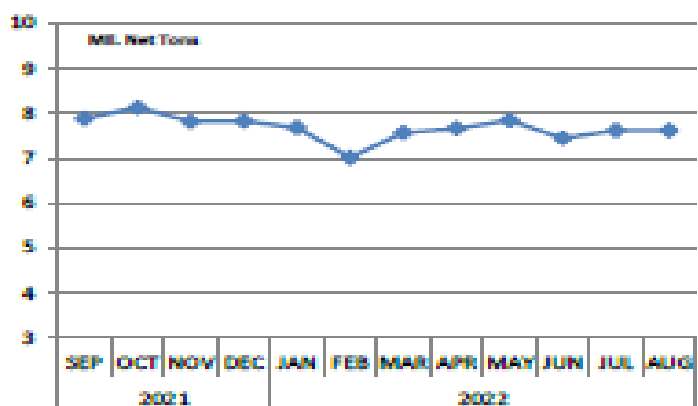
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

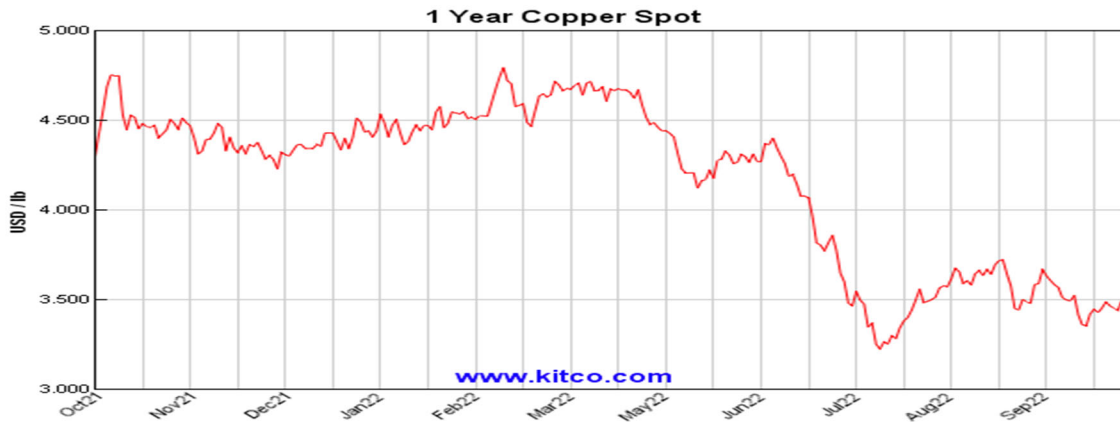
Average Weekly Raw Steel Production



Monthly Raw Steel Production



*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 41, 2022 – Ended October 15, 2022

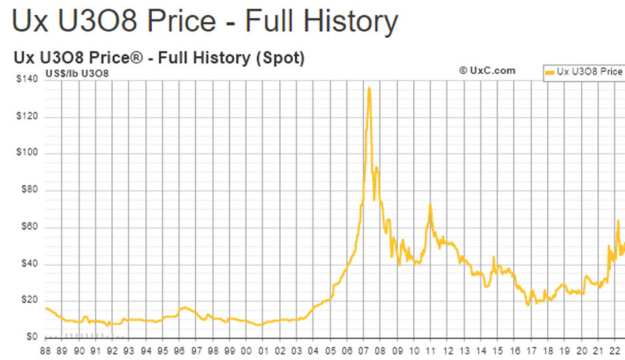
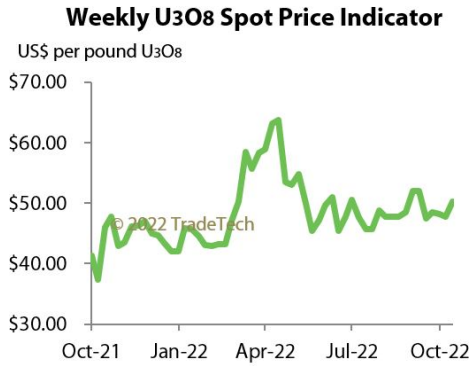
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	237,263	3.2%	9,489,495	231,451	0.1%
Chemicals	31,288	-4.4%	1,362,506	33,232	2.7%
Coal	66,914	15.5%	2,707,962	66,048	3.6%
Farm Products excl. Grain, and Food	17,029	-0.6%	667,023	16,269	3.7%
Forest Products	8,786	-11.2%	400,102	9,759	-2.9%
Grain	25,843	3.0%	900,769	21,970	-4.3%
Metallic Ores and Metals	21,017	-4.4%	861,695	21,017	-7.4%
Motor Vehicles and Parts	14,839	10.9%	541,289	13,202	2.0%
Nonmetallic Minerals	33,404	3.9%	1,291,405	31,498	4.0%
Petroleum and Petroleum Products	9,982	0.8%	390,805	9,532	-9.8%
Other	8,161	-14.8%	365,939	8,925	-9.8%
Total Intermodal Units	263,041	-1.6%	10,784,078	263,026	-5.0%
Total Traffic	500,304	0.7%	20,273,573	494,477	-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.

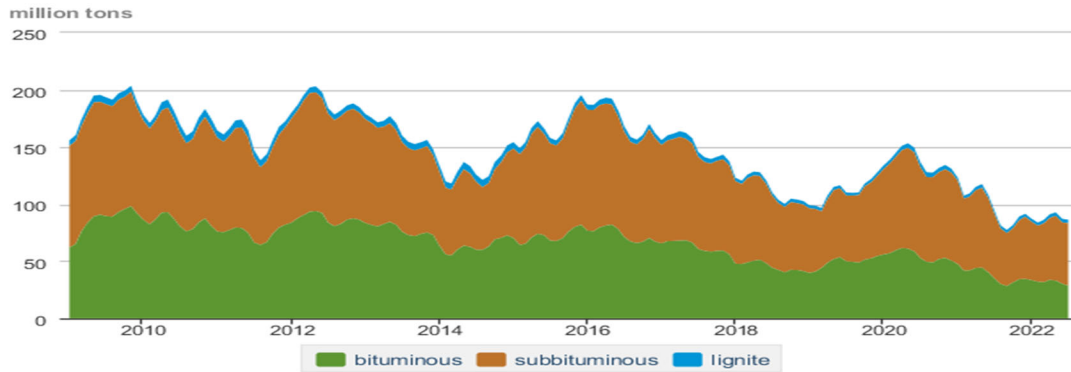
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

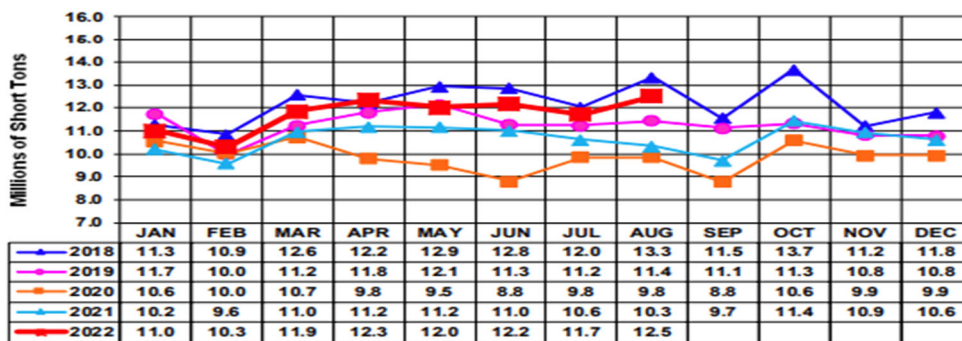
Coal stocks by type, January 2009 - July 2022



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.

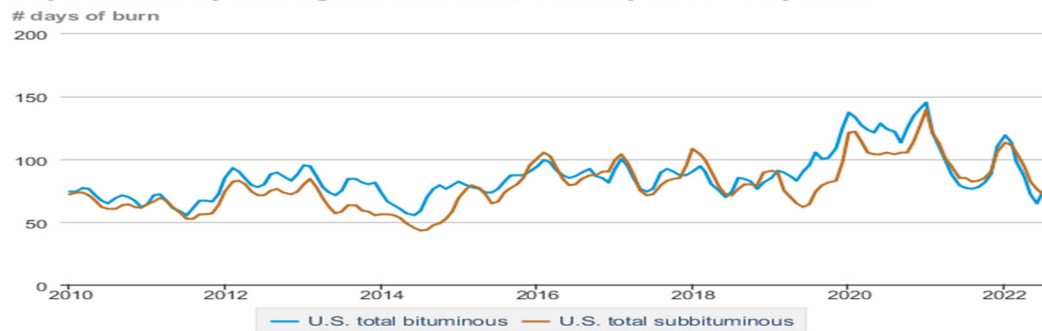
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	09/16/22	09/23/22	09/30/22	10/07/22	10/14/22	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$198.85	\$198.85	\$204.95	\$204.95	\$176.65	\$-28.30
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$181.95	\$181.95	\$187.55	\$187.55	\$180.25	\$-7.30
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$196.75	\$196.75	\$196.75	\$196.75	\$186.50	\$-10.25
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$16.15	\$16.15	\$16.25	\$16.25	\$17.45	\$1.20
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$42.55	\$42.55	\$42.40	\$42.40	\$41.95	\$-0.45

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

Days of burn by non-lignite coal rank, January 2010 - July 2022



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Oct 06)

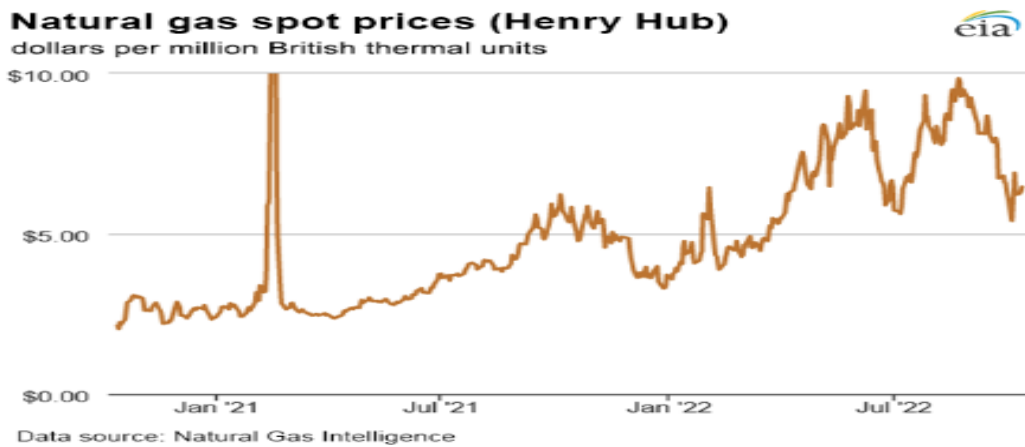
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	81	10	27	0	0	0
Middle Atlantic	80	21	51	0	-3	-2
E N Central	66	3	51	0	-4	-16
W N Central	40	-21	21	1	-6	-11
South Atlantic	49	21	43	19	-21	-37
E S Central	39	12	37	2	-22	-42
W S Central	9	3	8	35	-13	-31
Mountain	46	-17	-3	22	-1	7
Pacific	3	-17	-9	22	6	0
United States	45	1	28	12	-8	-16

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 - 2nd Quarter	2021 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	434.0	418.0	4%
Cement (Mil. Mt.)	44.1	42.6	4%
Copper (000 Mt.)	621.0	595.0	4%
Gold (Mt.)	80.8	89.1	-9%
Gypsum (Mil. Mt.)	9.1	9.6	-5%
Iron Ore (Mil. Mt.)	22.6	26.0	-13%
Lead (000 Mt.)	142.0	146.0	-3%
Molybdenum (000 Mt.)	20.5	22.4	-8%
Palladium (Mt.)	5.9	7.2	-18%
Phosphate rock (Mil. Mt.)	10.0	11.0	-9%
Platinum (Mt.)	1.7	2.1	-19%
Sand & gravel, construction (Mil. Mt.)	459.0	448.0	2%
Silver (Mt.)	504.0	516.0	-2%
Soda ash (Mil. Mt.)	5.5	5.6	-2%
Stone, crushed (Mil. Mt.)	705.0	688.0	2%
Zinc (000 Mt.)	369.0	354.0	4%

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	July 2022		July 2021		% Change of Stocks	June 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	1,672	365	2,090	328	-20.0%	1,644	298	1.7%
	Subbituminous	-	-	-	-	-	-	-	-
South	Bituminous	10,833	56	12,915	64	-16.1%	11,374	53	-4.8%
	Subbituminous	3,254	38	3,919	45	-17.0%	3,602	40	-9.6%
Midwest	Bituminous	6,748	65	7,219	66	-6.5%	6,925	59	-2.6%
	Subbituminous	15,941	93	20,789	107	-23.3%	19,048	92	-16.3%
West	Bituminous	3,221	159	2,452	120	31.4%	3,279	156	-1.8%
	Subbituminous	15,571	70	19,315	80	-19.4%	18,135	78	-14.1%
U.S. Total	Bituminous	22,473	74	24,675	77	-8.9%	23,222	65	-3.2%
	Subbituminous	34,766	72	44,023	85	-21.0%	40,785	76	-14.8%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

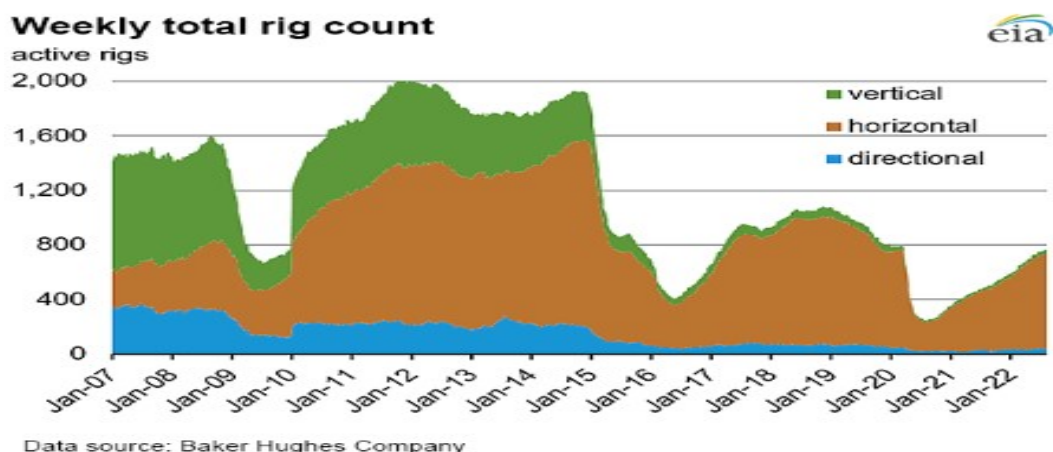
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-10-07	2022-09-30	change
East	782	756	26
Midwest	952	916	36
Mountain	190	184	6
Pacific	249	247	2
South Central	1,058	1,003	55
Total	3,231	3,106	125

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					
	October 2022	November 2022	change	October 2022	November 2022	change			
Anadarko	692	695	3	3,771	3,786	15			
Appalachia	191	191	-	27,869	27,874	5			
Bakken	1,701	1,704	3	2,492	2,506	14			
Eagle Ford	1,587	1,571	(16)	6,258	6,133	(125)			
Haynesville	20	20	-	10,835	10,781	(54)			
Niobrara	1,398	1,391	(7)	3,599	3,545	(54)			
Permian	1,078	1,061	(17)	2,116	2,093	(23)			
Rig-weighted average	980	966	(14)	5,570	5,564	(6)			

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

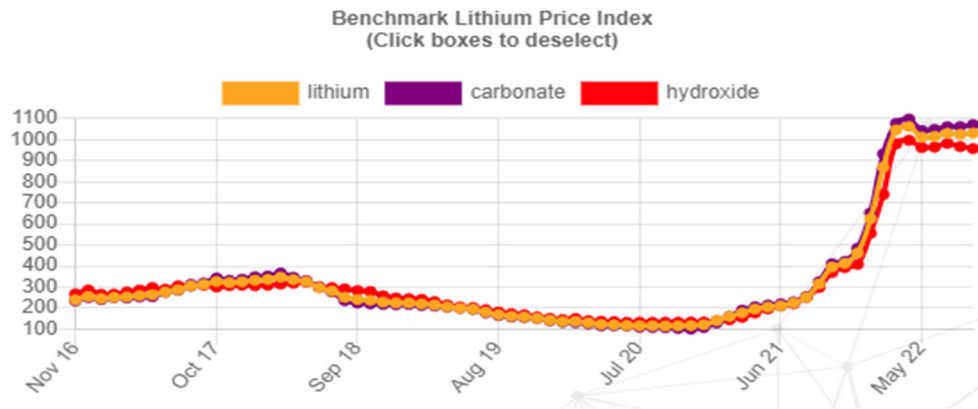
Cobalt and Lithium Prices

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/>