



NATIONAL MINING ASSOCIATION

WEEKLY STATISTICAL SUMMARY

October 14, 2022 Edition
(Data for Week Ending October 8, 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. 41 | Dated 10/14/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/08/22	10/09/21	% Chg	10/08/22	10/08/21	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,570	11,656	-0.7%	461,064	444,361	3.8%
52 Weeks Ended	592,619	565,082	4.9%			
AAR Coal Rail Cars Loaded:	65,989	67,680	-2.5%	2,648,289	2,561,231	3.4%
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		
	10/08/22	10/09/21	% Chg	10/08/22	10/09/21	% Chg
EI Electric Total Output (Mil. Kwh)	69,706	75,195	-7.3%	3,319,532	3,236,076	2.6%
EI Coal Region Output (Mil. Kwh)	59,789	65,411	-8.6%	2,881,736	2,804,876	2.7%
AISI Raw Steel Output (000 Tons)	1,680	1,836	-8.5%	69,707	72,883	-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)	
	10/05/22	09/30/22	% Chg	Wed.	10/05/22
Central App, 12,500 Btu, 1.2 SO ₂	\$204.95	\$204.95	0.0%	Henry Hub	6.06
Northern App, 13,000 Btu, < 3.0 SO ₂	187.55	187.55	0.0%	New York	5.97
Illinois Basin, 11,800, 5.0 SO ₂	196.75	196.75	0.0%	Chicago	6.17
Powder River Basin, 8,800 Btu 0.8 SO ₂	16.25	16.25	0.0%	Cal.Comp.Avg.	7.26
Uinta Basin, 11,700 Btu, 0.8 SO ₂	42.40	42.40	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		
	10/8/2022 (week 41)	10/1/2022 (week 40)	10/9/2021 (week 41)	10/8/2022	10/8/2021	% Change	10/8/2022	10/9/2021	% Change
Alabama	160	154	157	7,117	7,649	-6.9	8,892	10,098	-11.9
Alaska	19	18	22	736	794	-7.3	981	1,040	-5.7
Colorado	301	301	277	10,562	8,707	21.3	13,694	11,047	24.0
Illinois	632	626	624	28,967	29,718	-2.5	36,015	36,847	-2.3
Indiana	413	417	395	16,783	14,962	12.2	21,240	19,065	11.4
Kentucky total	552	554	551	21,840	20,137	8.5	28,058	25,704	9.2
Eastern (KY)	244	243	223	9,314	7,586	22.8	11,829	9,467	24.9
Western (KY)	308	311	328	12,526	12,551	-0.2	16,229	16,236	s
Louisiana	6	7	6	246	233	5.6	312	309	1.0
Maryland	24	25	24	1,033	994	3.9	1,299	1,233	5.4
Mississippi	63	67	56	2,638	2,561	3.0	3,270	2,881	13.5
Missouri	s	s	1	41	38	8.9	47	72	-34.7
Montana	590	603	594	22,969	21,802	5.4	29,669	27,885	6.4
New Mexico	232	199	226	7,992	6,683	19.6	10,545	8,621	22.3
North Dakota	512	523	496	20,518	20,856	-1.6	26,111	26,607	-1.9
Ohio	56	55	59	2,078	2,085	-0.4	2,744	2,789	-1.6
Oklahoma	s	s	s	1	s	69.2	1	s	100.0
Pennsylvania total	709	727	797	30,592	33,318	-8.2	39,592	42,092	-5.9
Anthracite (PA)	51	46	49	1,860	1,549	20.1	2,416	2,049	17.9
Bituminous (PA)	658	681	748	28,732	31,769	-9.6	37,176	40,042	-7.2
Tennessee	.	.	.	s	.	100.0	s	.	.
Texas	368	370	385	13,353	12,851	3.9	17,702	17,155	3.2
Utah	223	227	245	8,874	9,638	-7.9	11,638	12,487	-6.8
Virginia	206	212	217	8,336	8,420	-1.0	10,790	10,789	s
West Virginia total	1,591	1,586	1,591	64,035	60,461	5.9	81,987	76,000	7.9
Northern (WV)	895	894	926	35,583	33,885	5.0	46,037	43,148	6.7
Southern (WV)	696	692	664	28,452	26,576	7.1	35,949	32,852	9.4
Wyoming	4,912	5,120	4,933	192,351	182,452	5.4	248,030	232,361	6.7
Appalachian total	2,990	3,002	3,068	122,507	120,514	1.7	157,134	152,469	3.1
Interior total	1,790	1,798	1,795	74,555	72,915	2.2	94,816	92,566	2.4
Western total	6,789	6,992	6,793	264,003	250,932	5.2	340,669	320,047	6.4
East of Mississippi River	4,406	4,422	4,472	183,420	180,306	1.7	233,888	227,498	2.8
West of Mississippi River	7,164	7,370	7,185	277,644	264,055	5.1	358,731	337,583	6.3
Bituminous and lignite	11,518	11,745	11,607	459,203	442,812	3.7	590,203	563,032	4.8
Anthracite	51	46	49	1,860	1,549	20.1	2,416	2,049	17.9
U.S. total	11,570	11,792	11,656	461,064	444,361	3.8	592,619	565,082	4.9
Railroad cars loaded	65,989	67,866	67,680	2,648,289	2,561,231	3.4	3,413,128	3,270,845	4.4

Source: Energy Information Administration

EI

Weekly Electric Output

Volume 90 No. 41

OUTPUT FOR WEEK ENDED - Oct 08, 2022

Oct 13, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Oct 08, 2022** was **69,706** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **176** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended October 08		52 Weeks Ended October 08	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	1,915	-3.4	116,046	-0.1
Mid-Atlantic	6,824	-8.2	419,124	0.3
Central Industrial	10,406	-10.4	655,472	0.9
West Central	5,743	-7.0	339,837	1.8
Southeast	16,961	-13.7	1,029,522	1.4
South Central	14,544	-4.6	828,952	6.8
Rocky Mountain	5,311	0.3	294,227	0.1
Pacific Northwest	2,518	-5.7	160,172	1.3
Pacific Southwest	5,484	6.8	272,739	1.7
Total United States	69,706	-7.3	4,116,091	2.2

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Sep 17	78,471	Sep 18	81,776	-4.0	Sep 17	4,122,237	2.7
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 08	3,319,532	Oct 09	3,236,076	2.6	YEAR TO DATE, FIRST 41 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Sep 17	187	Sep 18	184	Sep 19	182
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

* 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		
	8-Oct 2022 GWh Output	9-Oct 2021 GWh Output	% Increase Over Corresponding Week	8-Oct 2022 GWh Output	9-Oct 2021 GWh Output	% Increase Over Corresponding Week	8-Oct 2022 GWh Output	9-Oct 2021 GWh Output	% Increase Over Corresponding Week
New England	1,915	1,982	-3.4%	92,677	92,562	0.1%	116,046	116,159	-0.1%
Mid-Atlantic	6,824	7,436	-8.2%	337,571	336,745	0.2%	419,124	417,975	0.3%
Central Industrial	10,406	11,608	-10.4%	526,890	522,457	0.8%	655,472	649,667	0.9%
West Central	5,743	6,175	-7.0%	272,827	268,127	1.8%	339,837	333,920	1.8%
Southeast	16,961	19,655	-13.7%	830,359	815,675	1.8%	1,029,522	1,014,995	1.4%
South Central	14,544	15,242	-4.6%	678,383	627,446	8.1%	828,952	775,820	6.8%
Rocky Mountain	5,311	5,295	0.3%	235,706	234,426	0.5%	294,227	293,848	0.1%
Pacific Northwest	2,518	2,668	-5.6%	125,868	123,871	1.6%	160,172	158,119	1.3%
Pacific Southwest	5,484	5,134	6.8%	219,250	214,771	2.1%	272,739	268,139	1.7%
Total United States ^{1/}	69,706	75,195	-7.3%	3,319,531	3,236,080	2.6%	4,116,091	4,028,642	2.2%
Coal Regions Only ^{2/}	59,789	65,411	-8.6%	2,881,736	2,804,876	2.7%	3,567,134	3,486,225	2.3%

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

October 11, 2022

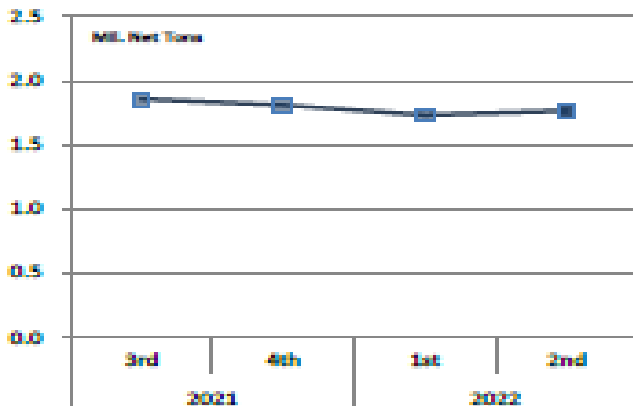
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

Period	Thousand Net Tons	Percent Change from Previous Period	Percent Capacity Utilization**	Production by District		
				Week Ending Oct 8	Week Ending Oct 1	
<u>Week Ending</u>				North East	136	138
				Great Lakes	545	549
October 8, 2022	1,680	-1.2	75.3	Midwest	185	196
October 8, 2021	1,836	-8.5	83.2	Southern	743	746
October 1, 2022	1,700	1.0	77.1	Western	71	71
				Total	1,680	1,700
<u>Year-to-Date +</u>						
October 8, 2022	69,707	-4.4	79.4			
October 8, 2021	72,883	-	81.2			

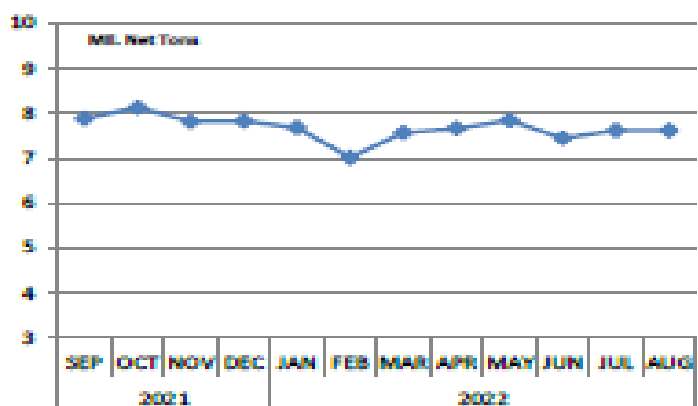
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

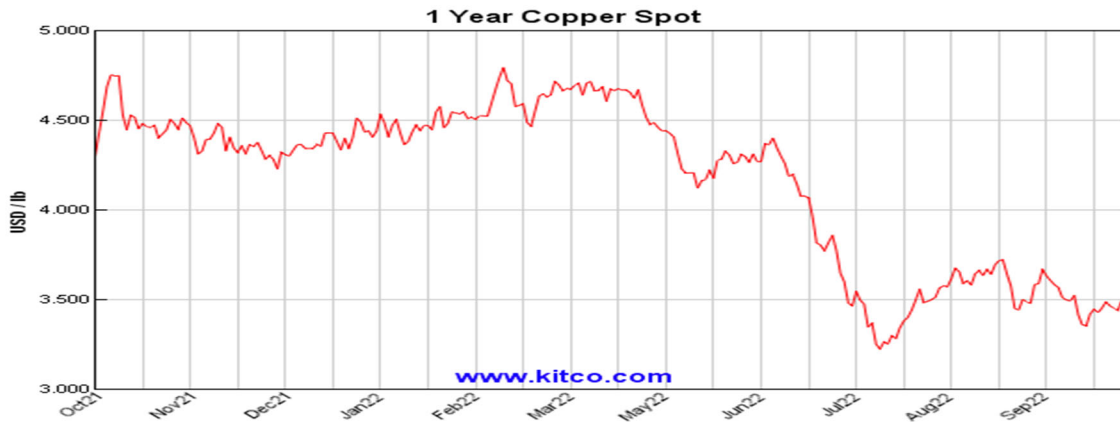
Average Weekly Raw Steel Production



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 40, 2022 – Ended October 8, 2022

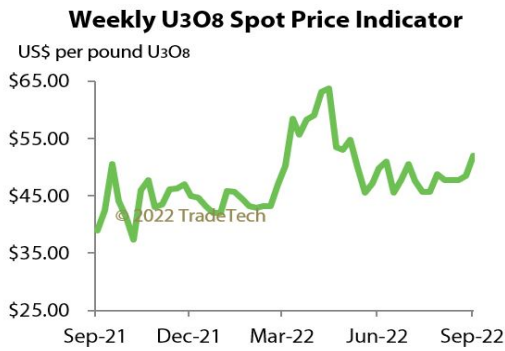
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	232,930	-2.8%	9,252,232	231,306	0.0%
Chemicals	30,187	-8.3%	1,331,218	33,280	2.9%
Coal	65,989	-2.0%	2,641,048	66,026	3.4%
Farm Products excl. Grain, and Food	16,909	5.1%	649,994	16,250	3.8%
Forest Products	8,916	-13.0%	391,316	9,783	-2.7%
Grain	23,429	-2.8%	874,926	21,873	-4.5%
Metallic Ores and Metals	20,995	-6.2%	840,678	21,017	-7.4%
Motor Vehicles and Parts	13,955	7.0%	526,450	13,161	1.8%
Nonmetallic Minerals	33,132	-0.2%	1,258,001	31,450	4.0%
Petroleum and Petroleum Products	9,993	6.3%	380,823	9,521	-10.0%
Other	9,425	-13.7%	357,778	8,944	-9.7%
Total Intermodal Units	261,483	-2.0%	10,521,037	263,026	-5.0%
Total Traffic	494,413	-2.4%	19,773,269	494,332	-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.

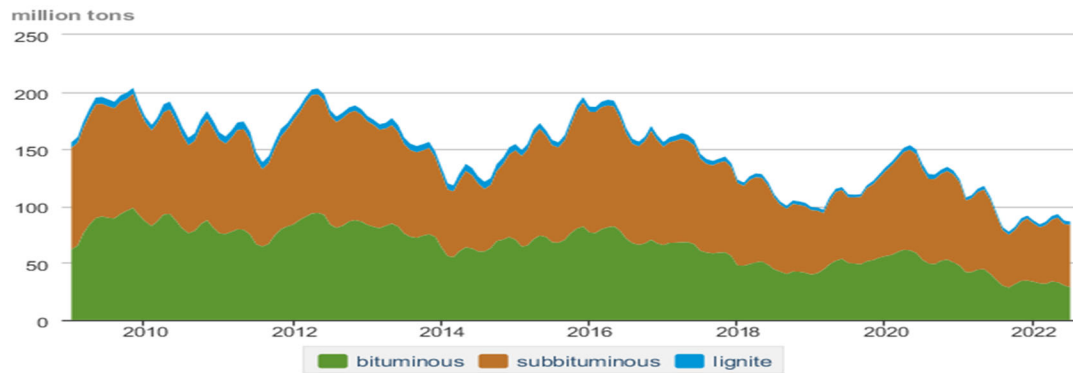
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

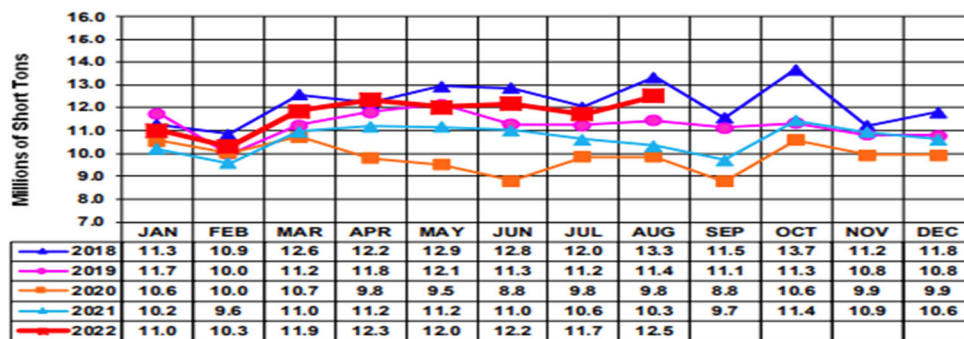
Coal stocks by type, January 2009 - July 2022



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

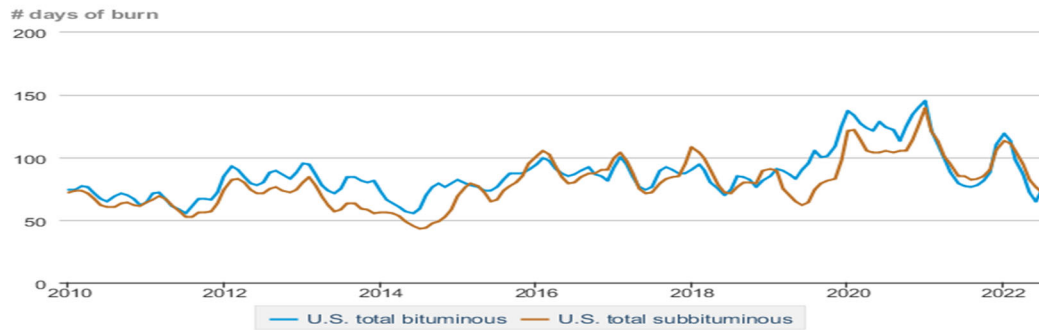
Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago change
	09/09/22	09/16/22	09/23/22	09/30/22	10/07/22	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$192.90	\$198.85	\$198.85	\$204.95	\$204.95	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$176.50	\$181.95	\$181.95	\$187.55	\$187.55	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$196.65	\$196.75	\$196.75	\$196.75	\$196.75	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$16.20	\$16.15	\$16.15	\$16.25	\$16.25	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$42.70	\$42.55	\$42.55	\$42.40	\$42.40	\$0.00

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 - July 2022



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Sep 29)

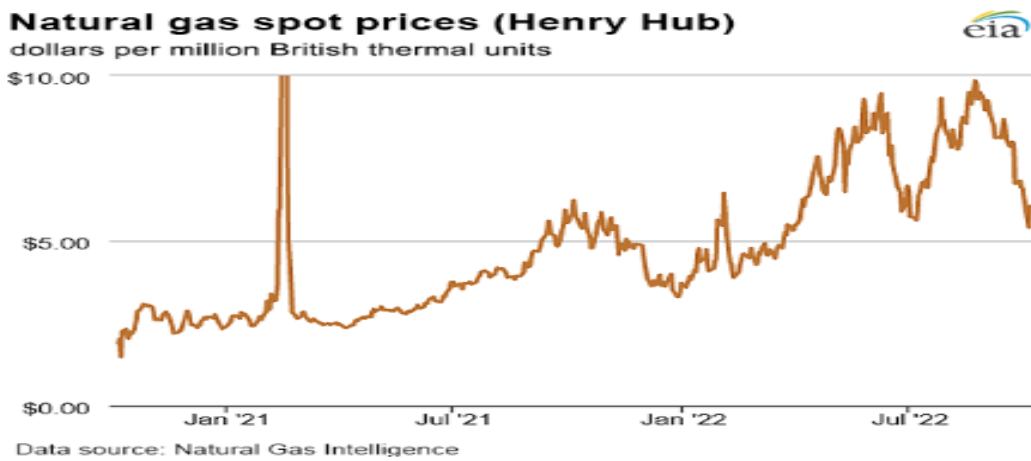
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	56	2	35	0	-1	-12
Middle Atlantic	50	7	31	0	-5	-6
E N Central	74	28	43	0	-6	-8
W N Central	58	11	34	5	-5	-17
South Atlantic	29	11	15	37	-10	-8
E S Central	30	13	10	23	-10	-4
W S Central	2	-2	-1	74	13	16
Mountain	21	-30	-4	39	11	15
Pacific	3	-13	-8	48	27	32
United States	39	6	19	27	2	2

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

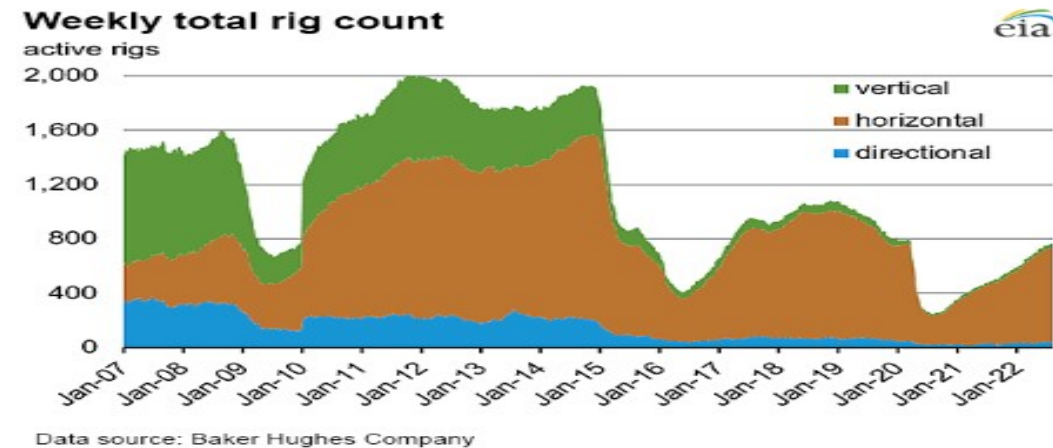
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-09-30	2022-09-23	change
East	756	721	35
Midwest	916	879	37
Mountain	184	176	8
Pacific	247	243	4
South Central	1,003	958	45
Total	3,106	2,977	129

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

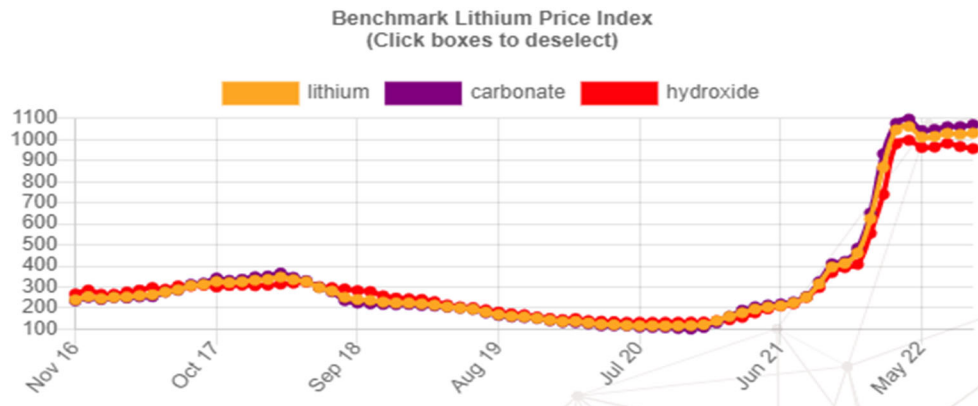
Cobalt and Lithium Prices

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/>