



NATIONAL MINING ASSOCIATION

WEEKLY STATISTICAL SUMMARY

February 17, 2023 Edition
(Data for Week Ending February 11, 2023)

Prepared by
National Mining Association

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NMA WEEKLY STATISTICAL SUMMARY

Vol. 61, No. 6 | Dated 02/17/23

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	02/11/23	02/05/22	% Chg	02/11/23	02/11/22	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	12,143	11,419	6.3%	69,938	68,734	1.8%
52 Weeks Ended	608,997	577,360	5.5%			
<i>Note: the year 2022 has an extra Saturday</i>						
AAR Coal Rail Cars Loaded:	69,045	64,582	6.9%	397,652	388,796	2.3%
Coal Production	Jan 23/22		% Chg	Jan - Jan 23/22		% Chg
Month Ended - January	51,855	49,718	4.3%	51,855	49,718	4.3%

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

	Dec 22/21		% Chg	Jan - Dec 22/21		% Chg
Coal Exports:						
Metallurgical	3,335	3,955	-15.7%	46,411	45,336	2.4%
Steam Bit. *	3,204	3,392	-5.5%	37,818	39,517	-4.3%
Lignite	8	7	14.3%	84	78	7.7%
Anthracite	<u>74</u>	<u>48</u>	54.2%	<u>507</u>	<u>329</u>	54.1%
Total	6,621	7,402	-10.6%	84,820	85,260	-0.5%
Coal Imports:	292	689	-57.6%	6,314	5,390	17.1%

	Week Ended			Cumulative Week 1 to		
	02/11/23	02/12/22	% Chg	02/11/23	02/12/22	% Chg
EI Electric Total Output (Mil. Kwh)	75,319	79,531	-5.3%	465,967	497,280	-6.3%
EEI Coal Region Output (Mil. Kwh)	64,980	69,140	-6.0%	401,543	431,774	-7.0%
AISI Raw Steel Output (000 Tons)	1,664	1,755	-5.2%	9,772	10,443	-6.4%

EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	02/10/23	02/03/23	% Chg	Wed.	2/08/23
Central App, 12,500 Btu, 1.2 SO ₂	\$131.65	\$131.65	0.0%	Henry Hub	2.42
Northern App, 13,000 Btu, < 3.0 SO ₂	97.75	97.75	0.0%	New York	2.12
Illinois Basin, 11,800, 5.0 SO ₂	123.75	123.75	0.0%	Chicago	2.44
Powder River Basin, 8,800 Btu 0.8 SO ₂	15.40	15.40	0.0%	Cal.Comp.Avg.	4.93
Uinta Basin, 11,700 Btu, 0.8 SO ₂	37.55	37.55	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		
	2/11/2023 (week 6)	2/4/2023 (week 5)	2/5/2022 (week 6)	2/11/2023	2/11/2022	% Change	2/11/2023	2/5/2022	% Change
Alabama	199	171	198	1,158	1,192	-2.9	10,066	9,161	9.9
Alaska	20	17	21	112	126	-11.1	970	1,020	-4.9
Colorado	282	229	215	1,626	1,295	25.6	14,034	11,964	17.3
Illinois	754	677	713	4,422	4,294	3.0	38,252	35,831	6.8
Indiana	479	403	405	2,786	2,435	14.4	23,325	19,503	19.6
Kentucky total	603	510	544	3,483	3,276	6.3	29,191	26,497	10.2
Eastern (KY)	265	222	216	1,540	1,302	18.2	12,507	10,307	21.3
Western (KY)	338	288	328	1,943	1,974	-1.6	16,685	16,189	3.1
Louisiana	6	5	5	32	28	15.4	310	300	3.3
Maryland	27	22	24	157	144	8.5	1,381	1,240	11.4
Mississippi	64	53	57	378	341	10.8	3,481	3,152	10.4
Missouri	1	1	1	9	8	9.0	61	43	41.9
Montana	586	491	537	3,373	3,234	4.3	29,826	28,588	4.3
New Mexico	259	214	213	1,482	1,283	15.5	11,684	9,374	24.6
North Dakota	537	443	549	3,089	3,303	-6.5	27,459	26,402	4.0
Ohio	54	46	55	310	331	-6.3	2,654	2,727	-2.7
Oklahoma	s	s	s	s	s	-16.5	2	1	100.0
Pennsylvania total	766	650	788	4,413	4,742	-6.9	39,065	41,541	-6.0
Anthracite (PA)	58	49	48	332	292	13.7	2,608	2,145	21.6
Bituminous (PA)	709	601	739	4,082	4,451	-8.3	36,456	39,397	-7.5
Tennessee	s	s	.	s	.	100.0	1	.	.
Texas	348	289	314	1,987	1,890	5.1	17,610	17,301	1.8
Utah	226	196	249	1,283	1,497	-14.3	11,471	12,363	-7.2
Virginia	211	178	203	1,212	1,220	-0.7	10,971	10,831	1.3
West Virginia total	1,732	1,480	1,595	10,008	9,602	4.2	85,267	78,385	8.8
Northern (WV)	980	829	898	5,645	5,403	4.5	48,070	44,272	8.6
Southern (WV)	752	651	698	4,363	4,199	3.9	37,198	34,112	9.0
Wyoming	4,989	4,165	4,733	28,618	28,491	0.4	251,917	241,136	4.5
Appalachian total	3,255	2,770	3,079	18,798	18,535	1.4	161,911	154,193	5.0
Interior total	1,990	1,716	1,823	11,557	10,971	5.3	99,726	92,320	8.0
Western total	6,898	5,754	6,517	39,583	39,229	0.9	347,361	330,847	5.0
East of Mississippi River	4,890	4,191	4,582	28,326	27,579	2.7	243,655	228,868	6.5
West of Mississippi River	7,253	6,049	6,837	41,611	41,155	1.1	365,343	348,492	4.8
Bituminous and lignite	12,086	10,192	11,371	69,606	68,443	1.7	606,389	575,215	5.4
Anthracite	58	49	48	332	292	13.7	2,608	2,145	21.6
U.S. total	12,143	10,240	11,419	69,938	68,734	1.8	608,997	577,360	5.5
Railroad cars loaded	69,045	58,224	64,582	397,652	388,796	2.3	3,494,356	3,345,890	4.4

Source: Energy Information Administration



Weekly Electric Output

Volume 91 No. 6

OUTPUT FOR WEEK ENDED - Feb 11, 2023

Feb 15, 2023

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Feb 11, 2023** was **75,319** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **178** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended February 11		52 Weeks Ended February 11	
	GWh Output	% Increase Over Corresponding Week of 2022	GWh Output	% Increase Over Corresponding Period of 2022
New England	2,239	-3.8	114,591	-1.5
Mid-Atlantic	7,855	-5.6	414,174	-1.4
Central Industrial	12,417	-7.7	651,029	-0.3
West Central	6,611	-1.2	340,364	0.9
Southeast	18,476	-11.6	1,021,937	0.4
South Central	14,348	-1.2	838,271	7.0
Rocky Mountain	5,273	0.3	296,150	0.6
Pacific Northwest	3,399	1.0	160,807	0.7
Pacific Southwest	4,701	0.1	274,267	1.9
Total United States	75,319	-5.3	4,111,588	1.5

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2023	Week Ended	2022	% Inc. (23/22)	52 Weeks Ended	2023	% Inc. (23/22)
Jan 21	76,887	Jan 22	85,137	-9.7	Jan 21	4,121,985	1.9
Jan 28	79,377	Jan 29	85,093	-6.7	Jan 28	4,116,269	1.6
Feb 04	83,834	Feb 05	84,301	-0.6	Feb 04	4,115,801	1.5
Feb 11	75,319	Feb 12	79,531	-5.3	Feb 11	4,111,588	1.5
Feb 11	465,967	Feb 12	497,280	-6.3	YEAR TO DATE, FIRST 6 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2023	Week Ended	2022	Week Ended	2021
Jan 21	176	Jan 22	188	Jan 23	166
Jan 28	183	Jan 29	205	Jan 30	174
Feb 04	196	Feb 05	203	Feb 06	176
Feb 11	178	Feb 12	193	Feb 13	190

* Excludes Alaska and Hawaii.

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

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	11-Feb 2023 GWh Output	12-Feb 2022 GWh Output	% Increase Over Corresponding Week	11-Feb 2023 GWh Output	12-Feb 2022 GWh Output	% Increase Over Corresponding Week	11-Feb 2023 GWh Output	12-Feb 2022 GWh Output	% Increase Over Corresponding Week
New England	2,239	2,329	-3.9%	13,815	15,004	-7.9%	114,591	116,311	-1.5%
Mid-Atlantic	7,855	8,320	-5.6%	47,944	53,236	-9.9%	414,174	420,011	-1.4%
Central Industrial	12,417	13,449	-7.7%	77,189	83,782	-7.9%	651,029	653,102	-0.3%
West Central	6,611	6,690	-1.2%	39,798	41,270	-3.6%	340,364	337,322	0.9%
Southeast	18,476	20,904	-11.6%	114,519	129,138	-11.3%	1,021,937	1,017,738	0.4%
South Central	14,348	14,520	-1.2%	87,872	90,137	-2.5%	838,271	783,317	7.0%
Rocky Mountain	5,273	5,257	0.3%	34,221	34,211	0.0%	296,150	294,294	0.6%
Pacific Northwest	3,399	3,364	1.0%	21,213	21,769	-2.6%	160,807	159,611	0.7%
Pacific Southwest	4,701	4,698	0.1%	29,397	28,732	2.3%	274,267	269,250	1.9%
Total United States ^{1/}	75,319	79,531	-5.3%	465,968	497,279	-6.3%	4,111,590	4,050,956	1.5%
Coal Regions Only ^{2/}	64,980	69,140	-6.0%	401,543	431,774	-7.0%	3,561,925	3,505,784	1.6%

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. Note: the year 2022 has an extra Saturday.

^{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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February 13, 2023

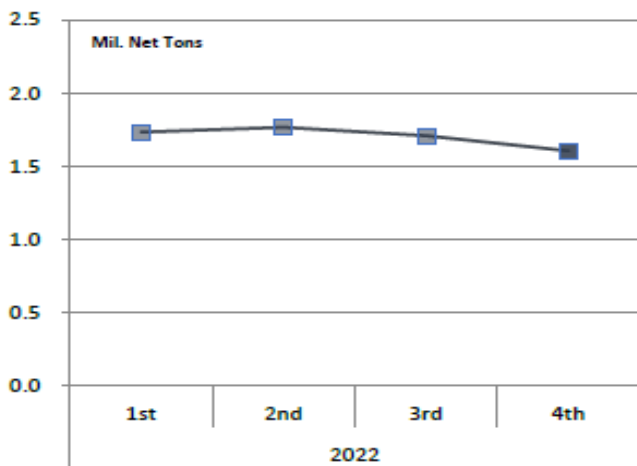
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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>Feb 11</u>	<u>Feb 4</u>	
<u>Week Ending</u>				North East	156	152
				Great Lakes	524	528
February 11, 2023	1,664	0.5	74.4	Midwest	203	207
February 11, 2022	1,755	-5.2	80.8	Southern	718	705
February 4, 2023	1,656	1.3	74.1	Western	63	64
				Total	1,664	1,656
<u>Year-to-Date +</u>						
February 11, 2023	9,772	-6.4	72.8			
February 11, 2022	10,443	-	80.3			

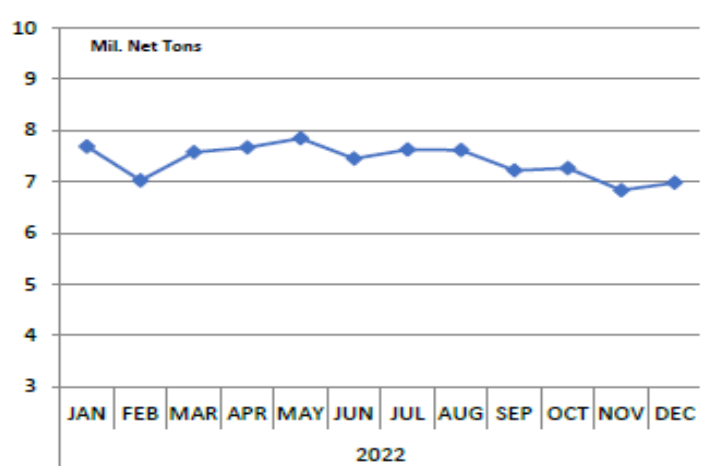
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

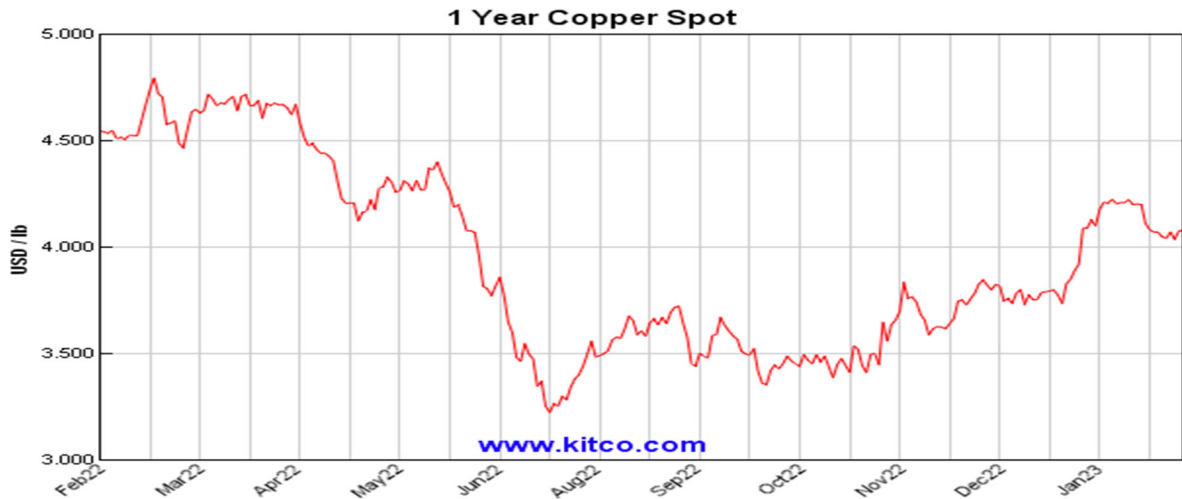
NOTE: Rate of capability utilization for December 2022 was approximately 70.6%.

Average Weekly Raw Steel Production



Monthly Raw Steel Production





Source: Kitco website - www.kitco.com/connecting.html

U.S. Rail Traffic¹
Week 6, 2023 – Ended February 11, 2023

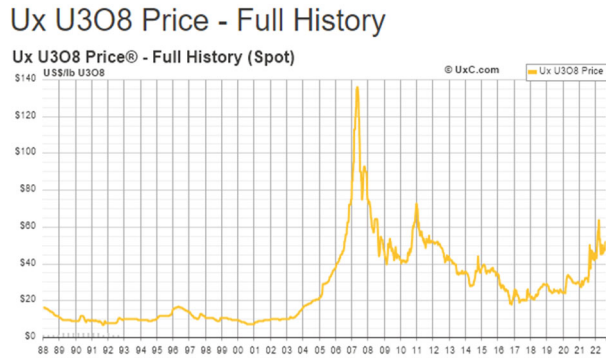
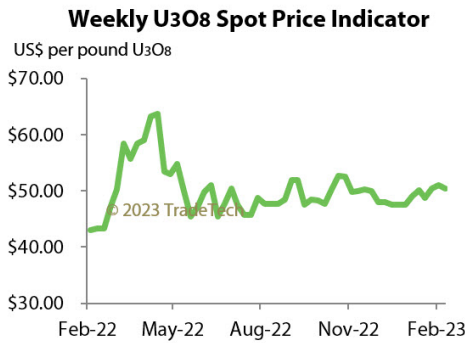
	This Week		Year-To-Date		
	Cars	vs 2022	Cumulative	Avg/wk ²	vs 2022
Total Carloads	233,382	-1.6%	1,373,778	228,963	1.0%
Chemicals	32,667	-5.8%	187,166	31,194	-9.1%
Coal	69,045	-1.1%	397,652	66,275	1.1%
Farm Products excl. Grain, and Food	17,330	3.0%	100,707	16,785	3.5%
Forest Products	9,369	-9.3%	55,028	9,171	-8.0%
Grain	21,241	-13.0%	140,408	23,401	-1.4%
Metallic Ores and Metals	19,828	-0.4%	123,430	20,572	1.9%
Motor Vehicles and Parts	13,259	-2.9%	79,636	13,273	12.1%
Nonmetallic Minerals	30,253	6.9%	173,639	28,940	9.6%
Petroleum and Petroleum Products	10,662	10.2%	63,959	10,660	12.7%
Other	9,728	0.7%	52,153	8,692	-2.8%
Total Intermodal Units	240,590	-10.2%	1,393,404	232,234	-7.7%
Total Traffic	473,972	-6.2%	2,767,182	461,197	-3.6%

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.

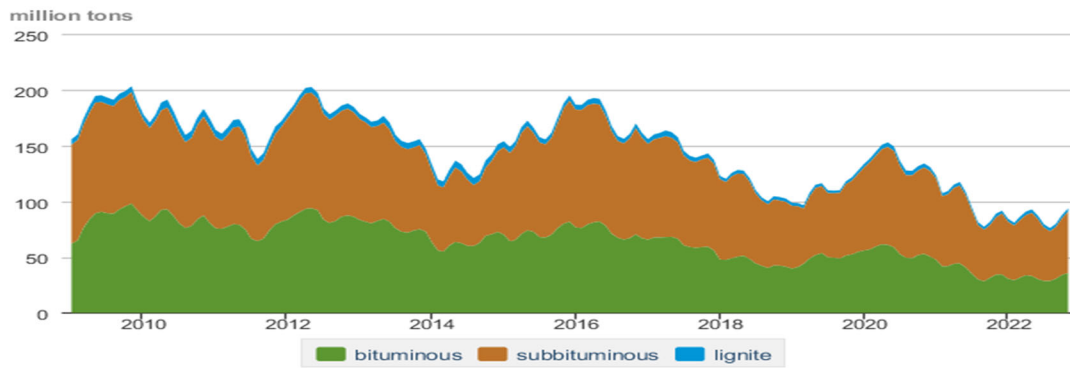
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

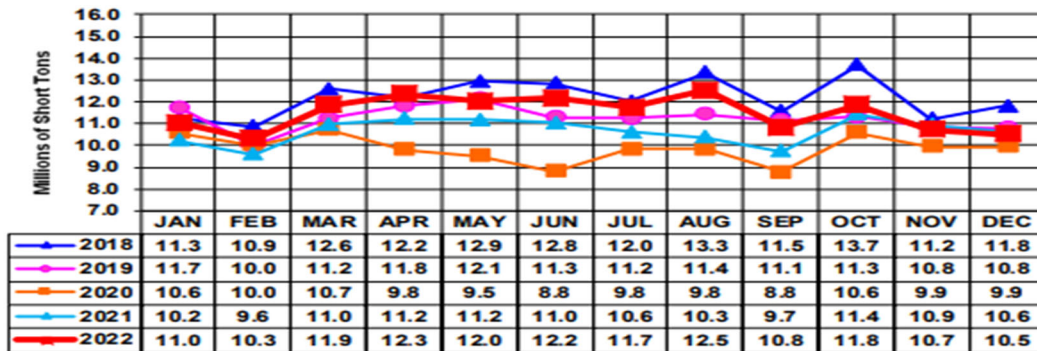
Coal stocks by type, January 2009 - November 2022



eia Data 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

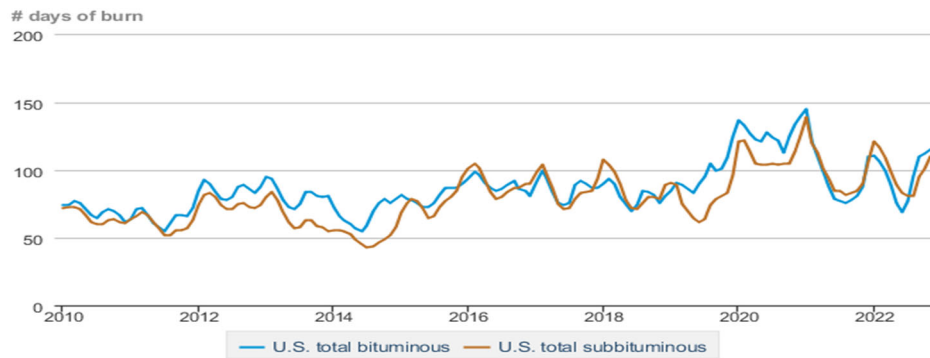
Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	01/13/23	01/20/23	01/27/23	02/03/23	02/10/23	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$138.00	\$142.25	\$142.25	\$131.65	\$131.65	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$115.00	\$117.75	\$117.75	\$97.75	\$97.75	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$116.00	\$140.00	\$140.00	\$123.75	\$123.75	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$15.50	\$15.45	\$15.45	\$15.40	\$15.40	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$37.85	\$37.70	\$37.70	\$37.55	\$37.55	\$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 - November 2022



Data source: U.S. Energy Information Administration

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

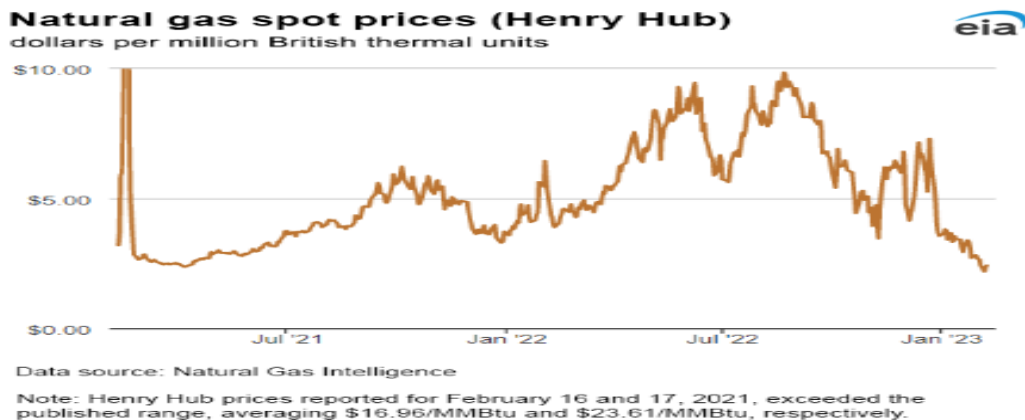
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	222	-51	-103	0	0	0
Middle Atlantic	216	-46	-92	0	0	0
E N Central	303	12	-5	0	0	0
W N Central	355	51	57	0	0	0
South Atlantic	142	-35	-68	9	2	7
E S Central	167	-13	-21	0	-1	0
W S Central	172	42	59	0	-4	0
Mountain	276	54	39	0	-1	0
Pacific	142	29	23	0	-1	0
United States	226	8	-9	2	0	1

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

Source: Energy Information Administration, *Natural Gas Weekly Update*.

U.S. Production of Selected Mineral Commodities	2022 Year to Date - 3rd Quarter	2021 Year to Date - 3rd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	649.0	628.0	3%
Cement (Mil. Mt.)	69.1	67.7	2%
Copper (000 Mt.)	931.0	911.0	2%
Gold (Mt.)	126.0	135.0	-7%
Gypsum (Mil. Mt.)	13.8	14.2	-3%
Iron Ore (Mil. Mt.)	34.2	38.3	-11%
Lead (000 Mt.)	205.0	218.0	-6%
Molybdenum (000 Mt.)	28.0	32.0	-13%
Palladium (Mt.)	7.6	10.7	-29%
Phosphate rock (Mil. Mt.)	15.8	16.7	-5%
Platinum (Mt.)	2.3	3.1	-26%
Sand & gravel, construction (Mil. Mt.)	724.0	707.0	2%
Silver (Mt.)	765.0	777.0	-2%
Soda ash (Mil. Mt.)	8.2	8.4	-2%
Stone, crushed (Mil. Mt.)	1,140.0	1,110.0	3%
Zinc (000 Mt.)	585.0	523.0	12%

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	November 2022		November 2021		% Change of Stocks	October 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,579	365	2,525	365	2.1%	2,200	365	17.3%
	Subbituminous								
South	Bituminous	16,264	122	13,113	90	24.0%	14,816	114	9.8%
	Subbituminous	3,708	65	3,565	59	4.0%	3,611	65	2.7%
Midwest	Bituminous	8,395	84	6,874	64	22.1%	8,322	90	0.9%
	Subbituminous	23,752	140	19,815	105	19.9%	20,656	116	15.0%
West	Bituminous	2,385	157	1,993	101	19.6%	2,681	155	-11.0%
	Subbituminous	19,245	106	17,034	86	13.0%	16,759	97	14.8%
U.S. Total	Bituminous	29,624	115	24,506	88	20.9%	28,018	112	5.7%
	Subbituminous	46,705	110	40,414	90	15.6%	41,026	101	13.8%

Source: Energy Information Administration, *Electricity Monthly Update*

Mining-Related Commodity Prices

Commodity Price - Snapshot		
Metals Prices	Date	Price
Cobalt Spot Price (\$/lb)	2/13/2023	\$17.65
Copper Spot Price (\$/lb)	2/14/2023	\$4.10
Gold Spot Price (\$/ounce)	2/14/2023	\$1,860.50
Lithium Spot Price (\$/kg)	2/14/2023	\$69.34
Molybdenum Spot Price (\$/kg)	2/13/2023	\$90.00
Nickel Spot Price (\$/lb)	2/13/2023	\$11.97
Silver Spot Price (\$/ounce)	2/14/2023	\$21.71
Steel HRC Price (\$/mt)	2/14/2023	\$866.35
Steel Rebar Price (\$/mt)	2/14/2023	\$587.96
Zinc Spot Price (\$/lb)	2/14/2023	\$1.42
Energy Prices	Date	Price
Coal Price - Australian Premium Coking Coal Futures (\$/mt)	2/14/2023	\$344.00
Coal Spot Price - Central Appalachian (\$/st)	2/10/2023	\$131.65
Coal Spot Price - Newcastle futures (\$/mt)	2/14/2023	\$221.48
Coal Spot Price - Rotterdam futures (\$/mt)	2/14/2023	\$134.00
Natural Gas Spot Price - Henry Hub (\$/mmbtu)	2/8/2023	\$2.42
Uranium Spot Price (\$/lb)	2/13/2023	\$50.55

Sources: publicly available data from eia.gov, dailymetalprice.com, tradingeconomics.com, sgxgroup.com, investing.com

EIA Working Natural Gas Underground Storage

Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2023-02-03	2023-01-27	change
East	529	578	-49
Midwest	641	708	-67
Mountain	120	132	-12
Pacific	124	140	-16
South Central	951	1,025	-74
Total	2,366	2,583	-217

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 Oil and Natural Gas Rig Productivity

NEW-WELL PRODUCTION PER RIG BY REGION

PRODUCTION BY REGION

DUC WELLS BY REGION

Region	New-well oil production per rig barrels/day			New-well gas production per rig thousand cubic feet/day		
	February 2023	March 2023	change	February 2023	March 2023	change
Anadarko	690	691	1	3,892	3,927	35
Appalachia	191	191	-	25,004	24,578	(426)
Bakken	1,704	1,705	1	2,550	2,557	7
Eagle Ford	1,486	1,469	(17)	6,017	5,939	(78)
Haynesville	19	19	-	10,722	10,711	(11)
Niobrara	1,375	1,368	(7)	3,408	3,364	(44)
Permian	1,061	1,060	(1)	2,083	2,062	(21)
Rig-weighted average	950	948	(2)	5,400	5,336	(64)

Source: Energy Information Administration, *Drilling Productivity Report*

USGS Cobalt – U.S. Trade, Reported Stocks and Listed Prices

Cobalt - November 2022	Nov-22	Year to Date
U.S. Imports for Consumption - Metals (mt)	571	6,530
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	535	4,890
Reported Stocks of Cobalt Metal (mt)	U.S. Govt	LME
	302	165
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	25.5	23.25

Source: USGS, Mineral Industry Survey, Cobalt in November 2022, February 2023

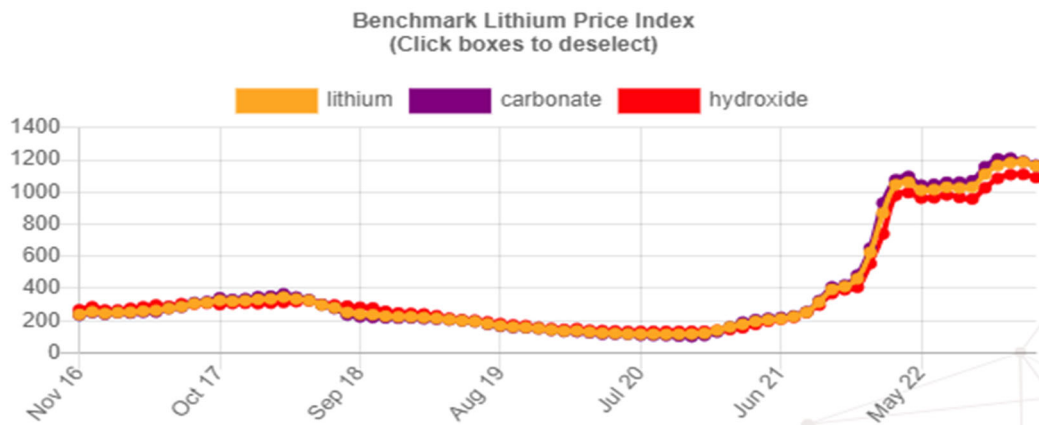
Cobalt and Lithium Prices

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/>