



# NATIONAL MINING ASSOCIATION

## WEEKLY STATISTICAL SUMMARY

**May 12, 2023 Edition**  
(Data for Week Ending May 6, 2023)

Prepared by  
**National Mining Association**

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# NMA WEEKLY STATISTICAL SUMMARY

Vol. 61, No. 18 | Dated 05/12/23

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	05/06/23	04/30/22	% Chg	05/06/23	05/06/22	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,073	11,086	-0.1%	210,040	205,377	2.3%
52 Weeks Ended	608,910	586,341	3.8%			
<i>Note: the year 2022 has an extra Saturday</i>						
AAR Coal Rail Cars Loaded:	62,650	63,169	-0.8%	1,189,138	1,163,995	2.2%
Coal Production	Apr 23/22		% Chg	Jan - Apr 23/22		% Chg
Month Ended - April	48,831	46,724	4.5%	200,296	195,716	2.3%

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

	Mar 23/22		% Chg	Jan - Mar 23/22		% Chg
Coal Exports:						
Metallurgical	4,257	3,533	20.5%	12,432	10,476	18.7%
Steam Bit. *	5,150	3,768	36.7%	11,965	9,685	23.5%
Lignite	7	7	0.0%	24	19	26.3%
Anthracite	<u>74</u>	<u>8</u>	825.0%	<u>211</u>	<u>19</u>	1010.5%
Total	9,488	7,316	29.7%	24,632	20,199	21.9%
Coal Imports:	281	530	-47.0%	1,020	1,322	-22.8%

	Week Ended			Cumulative Week 1 to		
	05/06/23	05/07/22	% Chg	05/06/23	05/07/22	% Chg
EI Electric Total Output (Mil. Kwh)	69,704	72,564	-3.9%	1,331,315	1,371,305	-2.9%
EI Coal Region Output (Mil. Kwh)	60,490	63,245	-4.4%	1,146,781	1,187,739	-3.4%
AISI Raw Steel Output (000 Tons)	1,712	1,773	-3.4%	30,098	31,461	-4.3%

## EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	05/05/23	04/28/23	% Chg	Wed.	5/03/23
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$81.35	\$81.35	0.0%	Henry Hub	2.03
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	76.85	76.85	0.0%	New York	1.70
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	69.25	69.25	0.0%	Chicago	1.85
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	15.75	15.75	0.0%	Cal.Comp.Avg.	2.77
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	34.60	34.80	-0.6%		

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

<b>EIA Estimated Weekly U.S. Coal Production Overview</b>									
Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	5/6/2023 (week 17)	4/29/2023 (week 16)	4/30/2022 (week 17)	5/6/2023	5/6/2022	% Change	5/6/2023	4/30/2022	% Change
Alabama	218	226	189	3,797	3,546	7.1	10,823	9,022	20.0
Alaska	17	17	16	338	355	-4.7	1,011	996	1.5
Colorado	254	267	271	4,812	4,184	15.0	13,647	12,557	8.7
Illinois	804	789	829	14,121	13,526	4.4	39,663	35,272	12.4
Indiana	492	509	446	8,782	7,546	16.4	25,137	20,232	24.2
<b>Kentucky total</b>	<b>549</b>	<b>566</b>	<b>545</b>	<b>10,437</b>	<b>9,874</b>	<b>5.7</b>	<b>29,495</b>	<b>27,148</b>	<b>8.6</b>
Eastern (KY)	246	256	239	4,619	4,039	14.4	12,816	10,889	17.7
Western (KY)	303	310	306	5,818	5,835	-0.3	16,679	16,259	2.6
Louisiana	6	6	6	102	93	9.1	321	310	3.5
Maryland	28	29	28	497	454	9.4	1,419	1,250	13.5
Mississippi	70	73	72	1,209	1,108	9.2	3,533	3,162	11.7
Missouri	2	2	1	28	24	14.1	78	43	81.4
Montana	519	535	555	9,978	9,834	1.5	28,861	29,153	-1.0
New Mexico	213	222	191	4,247	3,752	13.2	11,211	9,829	14.1
North Dakota	489	512	459	9,303	9,497	-2.0	26,937	26,633	1.1
Ohio	43	44	48	887	961	-7.6	2,461	2,751	-10.5
Oklahoma	s	s	.	1	s	75.1	2	1	100.0
<b>Pennsylvania total</b>	<b>708</b>	<b>730</b>	<b>759</b>	<b>13,462</b>	<b>14,143</b>	<b>-4.8</b>	<b>39,788</b>	<b>40,387</b>	<b>-1.5</b>
Anthracite (PA)	50	51	46	978	866	13.0	2,671	2,269	17.7
Bituminous (PA)	657	679	714	12,484	13,277	-6.0	37,117	38,118	-2.6
Tennessee	s	s	s	1	s	NM	1	s	100.0
Texas	299	307	317	5,848	5,708	2.5	17,500	17,687	-1.1
Utah	175	173	182	3,622	4,172	-13.2	10,332	12,243	-15.6
Virginia	198	201	195	3,695	3,637	1.6	11,223	10,850	3.4
<b>West Virginia total</b>	<b>1,612</b>	<b>1,634</b>	<b>1,601</b>	<b>30,279</b>	<b>28,957</b>	<b>4.6</b>	<b>86,204</b>	<b>79,571</b>	<b>8.3</b>
Northern (WV)	899	921	880	17,016	16,186	5.1	48,567	44,804	8.4
Southern (WV)	713	713	721	13,263	12,771	3.9	37,637	34,767	8.3
Wyoming	4,376	4,526	4,374	84,596	84,006	0.7	249,262	247,241	0.8
<b>Appalachian total</b>	<b>3,053</b>	<b>3,120</b>	<b>3,059</b>	<b>57,237</b>	<b>55,737</b>	<b>2.7</b>	<b>164,736</b>	<b>154,721</b>	<b>6.5</b>
<b>Interior total</b>	<b>1,976</b>	<b>1,997</b>	<b>1,978</b>	<b>35,908</b>	<b>33,840</b>	<b>6.1</b>	<b>102,914</b>	<b>92,967</b>	<b>10.7</b>
<b>Western total</b>	<b>6,044</b>	<b>6,253</b>	<b>6,049</b>	<b>116,895</b>	<b>115,800</b>	<b>0.9</b>	<b>341,261</b>	<b>338,653</b>	<b>0.8</b>
<b>East of Mississippi River</b>	<b>4,722</b>	<b>4,802</b>	<b>4,713</b>	<b>87,166</b>	<b>83,751</b>	<b>4.1</b>	<b>249,748</b>	<b>229,646</b>	<b>8.8</b>
<b>West of Mississippi River</b>	<b>6,351</b>	<b>6,569</b>	<b>6,373</b>	<b>122,874</b>	<b>121,626</b>	<b>1.0</b>	<b>359,162</b>	<b>356,694</b>	<b>0.7</b>
Bituminous and lignite	11,023	11,319	11,040	209,062	204,512	2.2	606,239	584,071	3.8
Anthracite	50	51	46	978	866	13.0	2,671	2,269	17.7
<b>U.S. total</b>	<b>11,073</b>	<b>11,370</b>	<b>11,086</b>	<b>210,040</b>	<b>205,377</b>	<b>2.3</b>	<b>608,910</b>	<b>586,341</b>	<b>3.8</b>
Railroad cars loaded	62,650	64,291	63,169	1,189,138	1,163,995	2.2	3,505,648	3,402,566	3.0

Source: Energy Information Administration



## Weekly Electric Output

**Volume 91 No. 18**  
**May 10, 2023**

### OUTPUT FOR WEEK ENDED - May 06, 2023

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **May 06, 2023** was **69,704** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **191** on the weekly electric output index.

### WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended May 06		52 Weeks Ended May 06	
	GWh Output	% Increase Over Corresponding Week of 2022	GWh Output	% Increase Over Corresponding Period of 2022
New England	1,824	-0.9	113,939	-2.2
Mid-Atlantic	6,669	-0.6	411,716	-2.2
Central Industrial	11,111	0.9	646,949	-1.6
West Central	5,880	0.7	339,672	-0.2
Southeast	16,769	-10.5	1,017,832	-0.2
South Central	15,409	-3.8	838,336	5.3
Rocky Mountain	4,652	-5.5	296,695	0.5
Pacific Northwest	2,741	-3.8	161,884	0.8
Pacific Southwest	4,649	0.5	275,887	2.6
Total United States	69,704	-3.9	4,102,911	0.7

### WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2023	Week Ended	2022	% Inc. (23/22)	52 Weeks Ended	2023	% Inc. (23/22)
Apr 15	68,576	Apr 16	69,530	-1.4	Apr 15	4,108,951	1.0
Apr 22	69,355	Apr 23	70,971	-2.3	Apr 22	4,107,335	0.8
Apr 29	68,356	Apr 30	69,920	-2.2	Apr 29	4,105,771	0.8
May 06	69,704	May 07	72,564	-3.9	May 06	4,102,911	0.7
<b>May 06</b>	<b>1,331,315</b>	<b>May 07</b>	<b>1,371,305</b>	<b>-2.9</b>	<b>YEAR TO DATE, FIRST 18 WEEKS</b>		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2023	Week Ended	2022	Week Ended	2021
Apr 15	179	Apr 16	174	Apr 17	164
Apr 22	181	Apr 23	184	Apr 24	168
Apr 29	190	Apr 30	178	May 01	170
May 06	191	May 07	183	May 08	170

\* 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-May 2023 GWh Output	7-May 2022 GWh Output	% Increase Over Corresponding Week	6-May 2023 GWh Output	7-May 2022 GWh Output	% Increase Over Corresponding Week	6-May 2023 GWh Output	7-May 2022 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	1,824	1,842	-1.0%	<b>37,701</b>	<b>39,541</b>	<b>-4.7%</b>	113,939	116,475	-2.2%
<b>Mid-Atlantic</b>	6,669	6,708	-0.6%	<b>133,784</b>	<b>141,532</b>	<b>-5.5%</b>	411,716	420,942	-2.2%
<b>Central Industrial</b>	11,111	11,011	0.9%	<b>217,394</b>	<b>228,069</b>	<b>-4.7%</b>	646,949	657,446	-1.6%
<b>West Central</b>	5,880	5,841	0.7%	<b>112,083</b>	<b>114,246</b>	<b>-1.9%</b>	339,672	340,411	-0.2%
<b>Southeast</b>	16,769	18,737	-10.5%	<b>327,613</b>	<b>346,335</b>	<b>-5.4%</b>	1,017,832	1,020,246	-0.2%
<b>South Central</b>	15,409	16,024	-3.8%	<b>260,877</b>	<b>263,078</b>	<b>-0.8%</b>	838,336	796,132	5.3%
<b>Rocky Mountain</b>	4,652	4,924	-5.5%	<b>95,031</b>	<b>94,479</b>	<b>0.6%</b>	296,695	295,227	0.5%
<b>Pacific Northwest</b>	2,741	2,849	-3.8%	<b>61,015</b>	<b>60,492</b>	<b>0.9%</b>	161,884	160,677	0.8%
<b>Pacific Southwest</b>	4,649	4,628	0.5%	<b>85,818</b>	<b>83,533</b>	<b>2.7%</b>	275,887	268,850	2.6%
<b>Total United States <sup>1/</sup></b>	<b>69,704</b>	<b>72,564</b>	<b>-3.9%</b>	<b>1,331,315</b>	<b>1,371,305</b>	<b>-2.9%</b>	<b>4,102,910</b>	<b>4,076,406</b>	<b>0.7%</b>
<b>Coal Regions Only <sup>2/</sup></b>	60,490	63,245	-4.4%	1,146,781	1,187,739	-3.4%	3,551,200	3,530,404	0.6%

**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.**

<sup>1/</sup> Excludes Alaska and Hawaii

<sup>2/</sup> 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

May 8, 2023

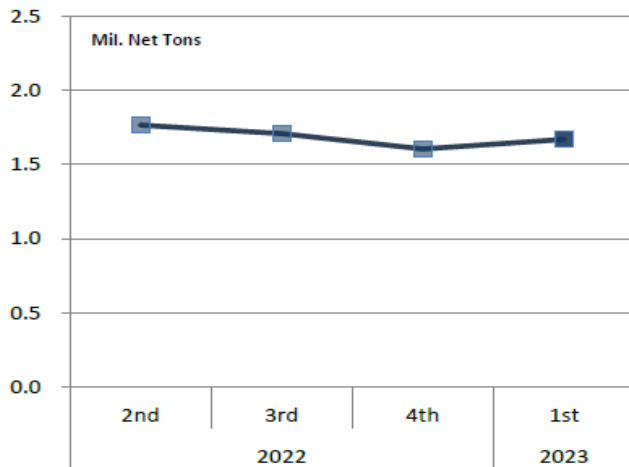
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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>May 6</u>	<u>Apr 29</u>	
<b><u>Week Ending</u></b>				North East	139	147
				Great Lakes	580	575
May 6, 2023	1,712	-0.2	76.1	Midwest	208	220
May 6, 2022	1,773	-3.4	81.2	Southern	717	707
April 29, 2023	1,716	0.9	76.3	Western	<u>68</u>	<u>67</u>
				<b>Total</b>	<b>1,712</b>	<b>1,716</b>
<b><u>Year-to-Date +</u></b>						
May 6, 2023	30,098	-4.3	74.7			
May 6, 2022	31,461	-	80.3			

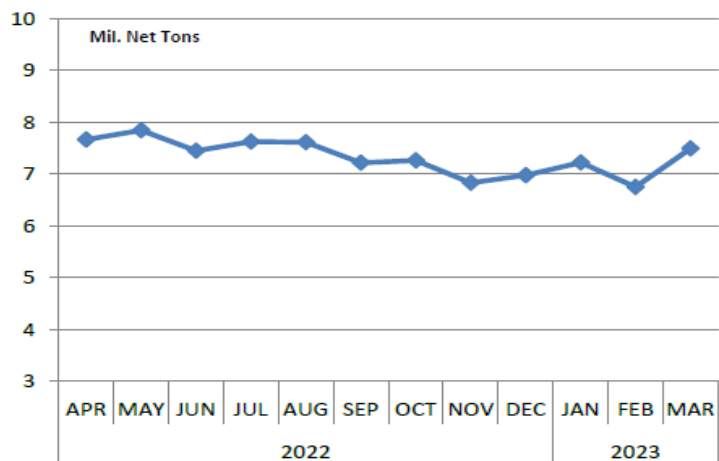
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

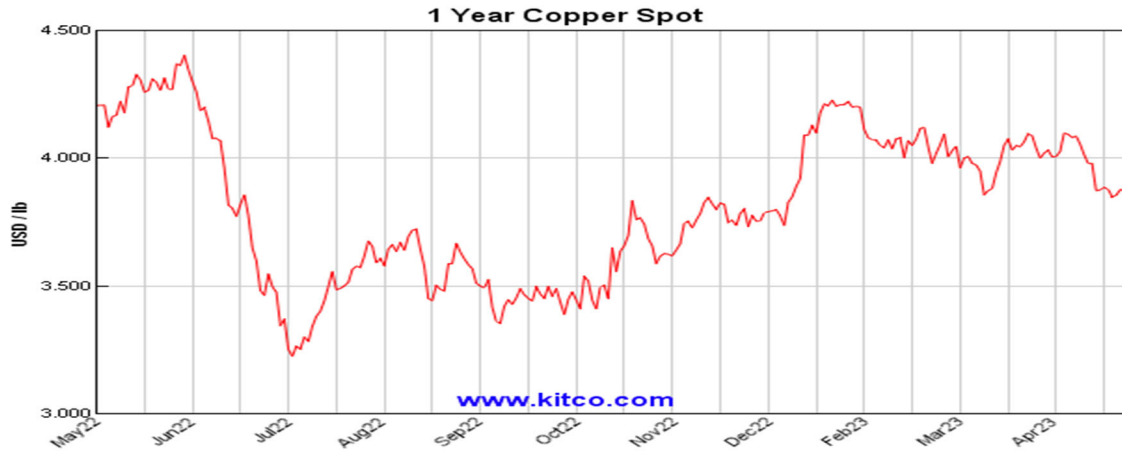
NOTE: Rate of capability utilization for December 2022 was approximately 70.6%.

**Average Weekly Raw Steel Production**



**Monthly Raw Steel Production**





Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

**U.S. Rail Traffic<sup>1</sup>**  
**Week 18, 2023 – Ended May 6, 2023**

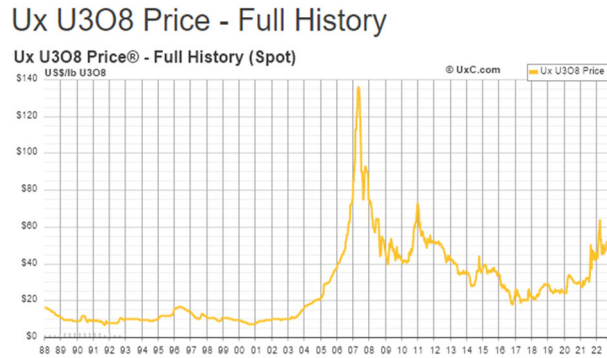
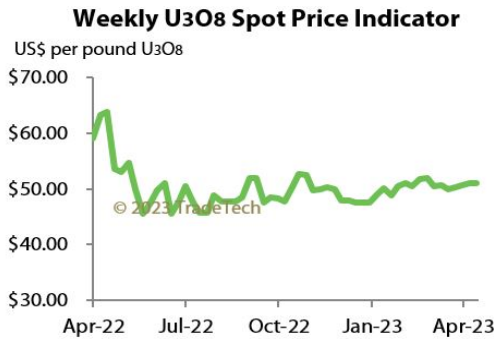
	This Week		Year-To-Date		
	Cars	vs 2022	Cumulative	Avg/wk <sup>2</sup>	vs 2022
<b>Total Carloads</b>	<b>231,718</b>	<b>0.0%</b>	<b>4,161,847</b>	<b>231,214</b>	<b>0.6%</b>
Chemicals	33,084	-3.4%	585,153	32,509	-5.8%
Coal	62,650	-1.0%	1,189,138	66,063	2.1%
Farm Products excl. Grain, and Food	16,366	4.1%	302,612	16,812	2.4%
Forest Products	9,456	-4.4%	167,657	9,314	-6.2%
Grain	21,700	-3.3%	389,442	21,636	-6.0%
Metallic Ores and Metals	20,697	7.2%	378,592	21,033	2.8%
Motor Vehicles and Parts	15,518	7.8%	256,648	14,258	10.2%
Nonmetallic Minerals	35,326	4.0%	554,348	30,797	4.0%
Petroleum and Petroleum Products	10,133	13.3%	185,148	10,286	11.6%
Other	6,788	-29.2%	153,109	8,506	-6.3%
<b>Total Intermodal Units</b>	<b>240,141</b>	<b>-12.1%</b>	<b>4,209,017</b>	<b>233,834</b>	<b>-10.9%</b>
<b>Total Traffic</b>	<b>471,859</b>	<b>-6.6%</b>	<b>8,370,864</b>	<b>465,048</b>	<b>-5.6%</b>

<sup>1</sup> Excludes U.S. operations of Canadian Pacific, CN and GMXT.

<sup>2</sup> Average per week figures may not sum to totals as a result of independent rounding.

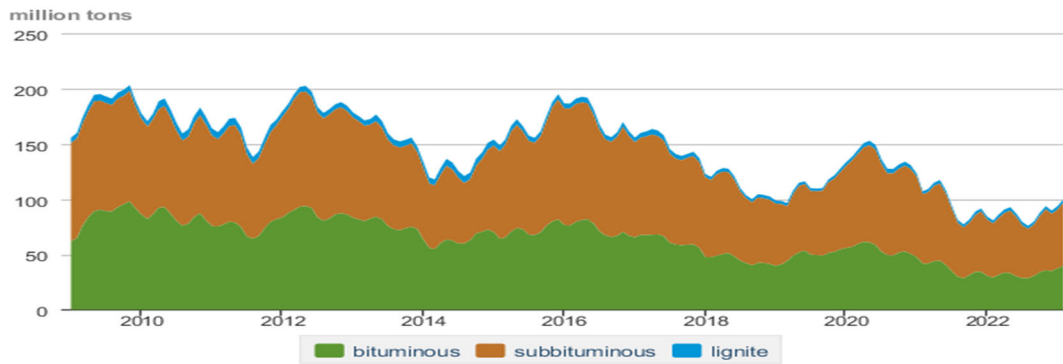
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### Trade Tech's and UX's Uranium Price Indicators



Sources: Trade Tech, Uranium Info Website – [www.uranium.info](http://www.uranium.info) ; Source: Ux Consulting Co., LLC – <http://www.uxc.com>

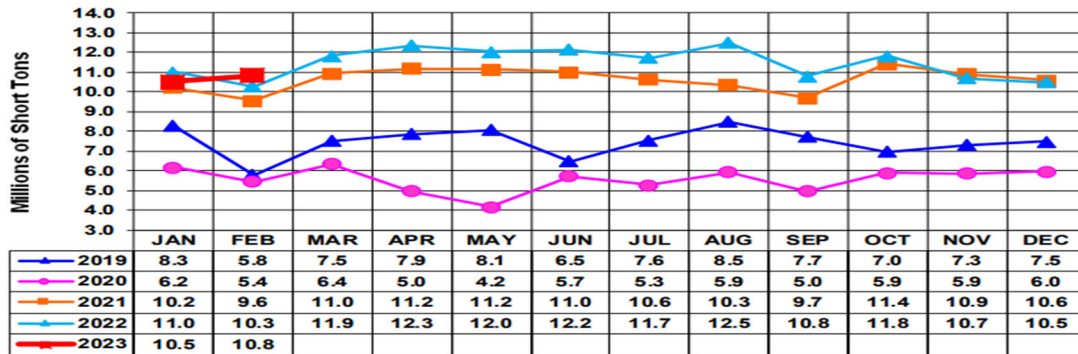
### Coal stocks by type, January 2009 - February 2023



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.

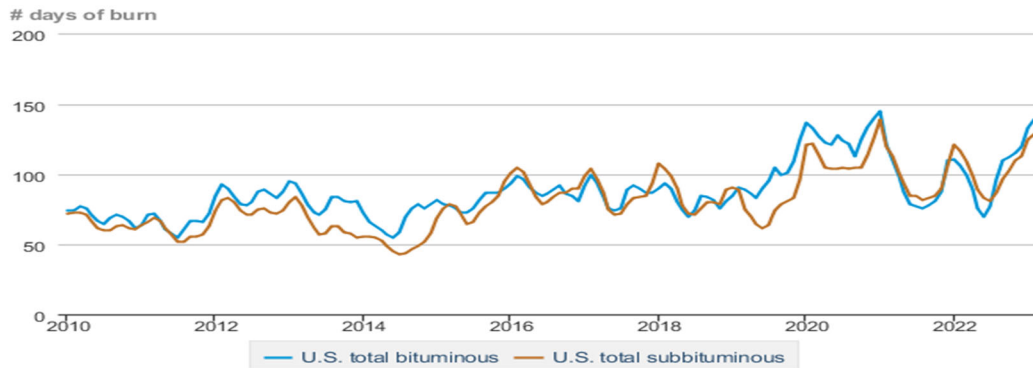
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices  
dollars per short ton

	Week ending					Week ago
	04/07/23	04/14/23	04/21/23	04/28/23	05/05/23	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$94.35	\$94.35	\$78.90	\$81.35	\$81.35	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$85.55	\$85.55	\$74.55	\$76.85	\$76.85	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$78.45	\$78.45	\$65.60	\$69.25	\$69.25	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$14.85	\$14.85	\$14.65	\$15.75	\$15.75	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$36.80	\$36.80	\$34.75	\$34.80	\$34.60	\$-0.20

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

Days of burn by non-lignite coal rank, January 2010 - February 2023



Data source: U.S. Energy Information Administration

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

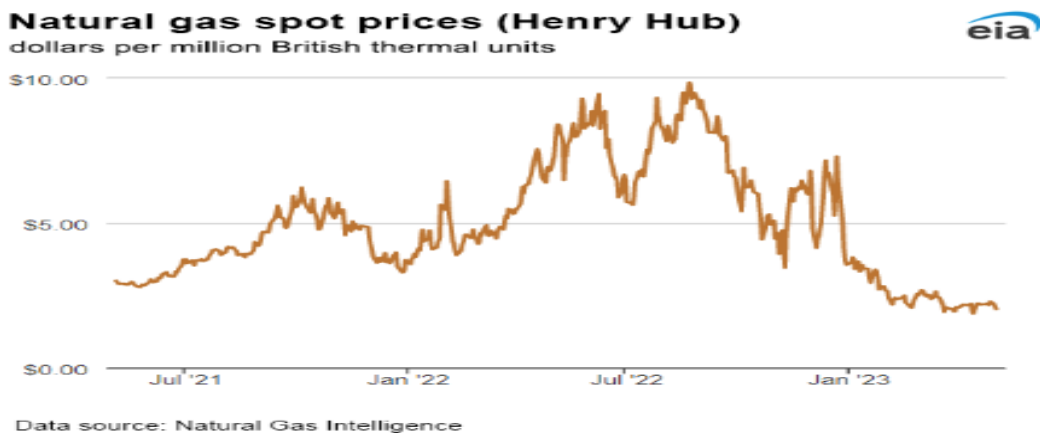
Region	Temperature – heating & cooling degree days (week ending Apr 27)					
	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	111	0	1	0	0	0
Middle Atlantic	92	-3	5	0	0	0
E N Central	142	43	58	0	0	-5
W N Central	147	59	47	0	-2	-4
South Atlantic	53	10	25	21	1	-6
E S Central	69	31	46	0	-7	-19
W S Central	40	26	30	17	-11	-35
Mountain	117	20	25	9	-2	-1
Pacific	30	-27	-31	0	-4	0
United States	90	17	23	6	-4	-7

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 - 4th Quarter	2021 Year to Date - 4th Quarter	Percent Change
Aluminum, secondary (000 Mt.)	864.0	837.0	3%
Cement (Mil. Mt.)	90.7	90.9	0%
Copper (000 Mt.)	1,230.0	1,230.0	0%
Gold (Mt.)	170.0	187.0	-9%
Gypsum (Mil. Mt.)	18.7	18.6	1%
Iron Ore (Mil. Mt.)	45.2	48.7	-7%
Lead (000 Mt.)	266.0	286.0	-7%
Molybdenum (000 Mt.)	37.6	41.1	-9%
Palladium (Mt.)	9.6	13.7	-30%
Phosphate rock (Mil. Mt.)	19.6	21.6	-9%
Platinum (Mt.)	2.9	4.0	-28%
Sand & gravel, construction (Mil. Mt.)	937.0	942.0	-1%
Silver (Mt.)	1,010.0	1,020.0	-1%
Soda ash (Mil. Mt.)	11.3	11.3	0%
Stone, crushed (Mil. Mt.)	1,500.0	1,500.0	0%
Zinc (000 Mt.)	744.0	688.0	8%

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	February 2023		February 2022		% Change of Stocks	January 2023		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,891	365	1,678	293	72.2%	2,972	365	-2.7%
	Subbituminous								
South	Bituminous	19,412	140	11,527	97	68.4%	17,040	133	13.9%
	Subbituminous	4,792	104	3,286	71	45.8%	4,232	86	13.2%
Midwest	Bituminous	9,643	117	7,717	99	25.0%	9,021	108	6.9%
	Subbituminous	24,420	136	19,230	132	27.0%	22,048	133	10.8%
West	Bituminous	2,316	152	2,308	144	0.3%	2,127	151	8.9%
	Subbituminous	21,111	127	18,425	114	14.6%	19,914	125	6.0%
U.S. Total	Bituminous	34,262	139	23,231	106	47.5%	31,160	133	10.0%
	Subbituminous	50,322	129	40,940	117	22.9%	46,194	125	8.9%

Source: U.S. Energy Information Administration

NOTE: Stockpile levels shown above reflect a sample of electric power sector plants, which were used to create the days of burn statistics. These levels will not equal total electric power sector stockpile levels.

Source: Energy Information Administration, *Electricity Monthly Update*

## Mining-Related Commodity Prices

Commodity Price - Snapshot		
Metals Prices	Date	Price
Cobalt Spot Price (\$/lb)	5/8/23	\$15.84
Copper Spot Price (\$/lb)	5/9/23	\$3.88
Gold Spot Price (\$/ounce)	5/9/23	\$2,025.60
Lithium Spot Price (\$/kg)	5/9/23	\$27.81
Molybdenum Spot Price (\$/kg)	5/8/23	\$57.63
Nickel Spot Price (\$/lb)	5/8/23	\$11.08
Silver Spot Price (\$/ounce)	5/9/23	\$25.56
Steel HRC Price (\$/mt)	5/9/23	\$951.81
Steel Rebar Price (\$/mt)	5/9/23	\$532.97
Zinc Spot Price (\$/lb)	5/9/23	\$1.21
Energy Prices	Date	Price
Coal Price - Australian Premium Coking Coal Futures (\$/mt)	5/9/23	\$249.33
Coal Spot Price - Central Appalachian (\$/st)	5/5/23	\$81.35
Coal Spot Price - Newcastle futures (\$/mt)	5/9/23	\$169.28
Coal Spot Price - Rotterdam futures (\$/mt)	5/9/23	\$125.00
Natural Gas Spot Price - Henry Hub (\$/mmbtu)	5/3/23	\$2.03
Uranium Spot Price (\$/lb)	5/1/23	\$53.70

Sources: publically 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)		
	2023-04-28	2023-04-21	change
East	410	390	20
Midwest	481	468	13
Mountain	95	90	5
Pacific	100	90	10
South Central	977	971	6
<b>Total</b>	<b>2,063</b>	<b>2,009</b>	<b>54</b>

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		
	April 2023	May 2023	change	April 2023	May 2023	change
Anadarko	671	672	1	3,953	3,984	31
Appalachia	191	191	-	24,161	23,750	(411)
Bakken	1,685	1,686	1	2,510	2,509	(1)
Eagle Ford	1,400	1,385	(15)	5,772	5,697	(75)
Haynesville	19	19	-	10,732	10,722	(10)
Niobrara	1,434	1,449	15	3,798	3,893	95
Permian	1,057	1,056	(1)	2,053	2,032	(21)
Rig-weighted average	940	940	-	5,299	5,269	(30)

Source: Energy Information Administration, *Drilling Productivity Report*

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

Cobalt - February 2023	Feb-23	Year to Date
U.S. Imports for Consumption - Metals (mt)	559	1,150
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	328	738
Reported Stocks of Cobalt Metal (mt)	U.S. Govt	LME
	302	135
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	16.59	16.83

Source: USGS, Mineral Industry Survey, Cobalt in February 2023, May 2023

Source: USGS, Mineral Industry Survey, Cobalt in January 2023, March 2023

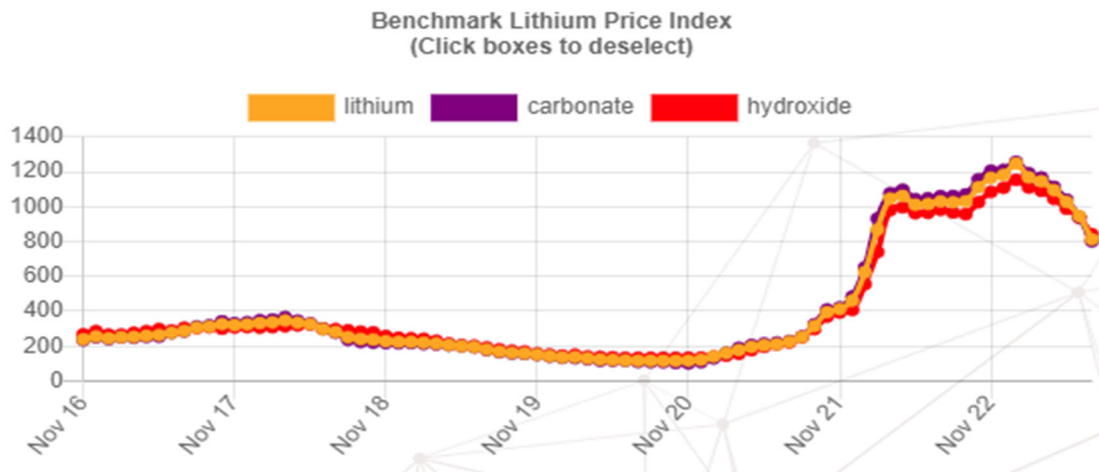
### Cobalt and Lithium Prices

#### 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/>