



# NATIONAL MINING ASSOCIATION

## WEEKLY STATISTICAL SUMMARY

**April 7, 2023 Edition**  
(Data for Week Ending April 1, 2023)

Prepared by  
**National Mining Association**

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# NMA WEEKLY STATISTICAL SUMMARY

Vol. 61, No. 13 | Dated 04/07/23

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/1/23	03/26/22	% Chg	04/1/23	04/1/22	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,737	11,759	-0.2%	153,117	150,675	1.6%
52 Weeks Ended	606,850	584,389	3.8%			
<i>Note: the year 2022 has an extra Saturday</i>						
AAR Coal Rail Cars Loaded:	65,627	66,504	-1.3%	868,052	852,295	1.8%
Coal Production	Mar 23/22		% Chg	Jan - Mar 23/22		% Chg
Month Ended - March	53,111	51,438	3.3%	151,464	148,992	1.7%

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

	Feb 23/22		% Chg	Jan - Feb 23/22		% Chg
Coal Exports:						
Metallurgical	4,126	3,998	3.2%	8,175	6,943	17.7%
Steam Bit. *	3,815	3,159	20.8%	6,815	5,917	15.2%
Lignite	9	4	125.0%	17	12	41.7%
Anthracite	<u>50</u>	<u>6</u>	733.3%	<u>137</u>	<u>11</u>	1145.5%
Total	8,000	7,167	11.6%	15,144	12,883	17.6%
Coal Imports:	260	289	-10.0%	739	792	-6.7%

	Week Ended			Cumulative Week 1 to		
	04/1/23	04/2/22	% Chg	04/1/23	04/2/22	% Chg
EI Electric Total Output (Mil. Kwh)	70,906	71,560	-0.9%	983,808	1,017,237	-3.3%
EI Coal Region Output (Mil. Kwh)	60,993	62,144	-1.9%	846,361	881,247	-4.0%
AISI Raw Steel Output (000 Tons)	1,658	1,721	-3.7%	21,608	22,535	-4.1%

## EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	03/31/23	03/24/23	% Chg	Wed.	3/29/23
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$91.55	\$88.80	3.1%	Henry Hub	1.95
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	83.00	80.50	3.1%	New York	1.95
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	78.45	78.45	0.0%	Chicago	2.01
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	14.90	14.95	-0.3%	Cal.Comp.Avg.	5.90
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	36.95	37.10	-0.4%		

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		
	4/1/2023 (week 13)	3/25/2023 (week 12)	3/26/2022 (week 13)	4/1/2023	4/1/2022	% Change	4/1/2023	3/26/2022	% Change
Alabama	223	224	204	2,671	2,614	2.2	10,635	8,916	19.3
Alaska	19	21	22	251	276	-9.1	1,007	1,005	0.2
Colorado	268	265	221	3,492	2,847	22.6	13,621	12,213	11.5
Illinois	802	819	735	10,023	9,433	6.3	39,570	34,953	13.2
Indiana	507	502	417	6,241	5,346	16.7	24,763	19,798	25.1
<b>Kentucky total</b>	<b>583</b>	<b>598</b>	<b>561</b>	<b>7,616</b>	<b>7,185</b>	<b>6.0</b>	<b>29,359</b>	<b>26,928</b>	<b>9.0</b>
Eastern (KY)	259	259	223	3,351	2,859	17.2	12,710	10,674	19.1
Western (KY)	324	339	338	4,266	4,326	-1.4	16,649	16,255	2.4
Louisiana	6	6	5	72	62	16.5	322	303	6.3
Maryland	29	28	25	352	317	10.9	1,409	1,225	15.0
Mississippi	71	67	58	848	751	13.0	3,517	3,124	12.6
Missouri	2	2	1	20	18	11.4	77	43	79.1
Montana	553	566	553	7,305	7,095	3.0	28,911	28,933	-0.1
New Mexico	230	238	220	3,148	2,811	12.0	11,067	9,648	14.7
North Dakota	528	536	565	6,782	7,230	-6.2	26,743	26,600	0.5
Ohio	48	52	57	668	724	-7.8	2,482	2,720	-8.8
Oklahoma	s	s	s	s	s	-9.1	2	1	100.0
<b>Pennsylvania total</b>	<b>767</b>	<b>799</b>	<b>811</b>	<b>9,838</b>	<b>10,395</b>	<b>-5.4</b>	<b>39,927</b>	<b>40,887</b>	<b>-2.3</b>
Anthracite (PA)	54	56	50	720	639	12.6	2,641	2,219	19.0
Bituminous (PA)	713	743	761	9,118	9,756	-6.5	37,286	38,668	-3.6
Tennessee	s	s	.	s	s	NM	1	.	.
Texas	324	337	323	4,307	4,144	3.9	17,518	17,563	-0.3
Utah	191	211	256	2,731	3,272	-16.5	10,387	12,426	-16.4
Virginia	208	215	209	2,679	2,675	0.2	11,173	10,865	2.8
<b>West Virginia total</b>	<b>1,695</b>	<b>1,744</b>	<b>1,643</b>	<b>22,016</b>	<b>21,057</b>	<b>4.6</b>	<b>85,825</b>	<b>79,074</b>	<b>8.5</b>
Northern (WV)	953	982	924	12,395	11,846	4.6	48,293	44,588	8.3
Southern (WV)	743	762	718	9,621	9,211	4.4	37,532	34,486	8.8
Wyoming	4,684	4,837	4,874	62,057	62,422	-0.6	248,533	247,164	0.6
<b>Appalachian total</b>	<b>3,229</b>	<b>3,321</b>	<b>3,171</b>	<b>41,574</b>	<b>40,641</b>	<b>2.3</b>	<b>164,161</b>	<b>154,360</b>	<b>6.3</b>
<b>Interior total</b>	<b>2,036</b>	<b>2,071</b>	<b>1,877</b>	<b>25,777</b>	<b>24,081</b>	<b>7.0</b>	<b>102,419</b>	<b>92,039</b>	<b>11.3</b>
<b>Western total</b>	<b>6,473</b>	<b>6,673</b>	<b>6,711</b>	<b>85,766</b>	<b>85,953</b>	<b>-0.2</b>	<b>340,269</b>	<b>337,990</b>	<b>0.7</b>
<b>East of Mississippi River</b>	<b>4,933</b>	<b>5,048</b>	<b>4,718</b>	<b>62,952</b>	<b>60,497</b>	<b>4.1</b>	<b>248,662</b>	<b>228,490</b>	<b>8.8</b>
<b>West of Mississippi River</b>	<b>6,804</b>	<b>7,018</b>	<b>7,041</b>	<b>90,165</b>	<b>90,178</b>	<b>s</b>	<b>358,188</b>	<b>355,899</b>	<b>0.6</b>
Bituminous and lignite	11,683	12,010	11,709	152,397	150,036	1.6	604,209	582,170	3.8
Anthracite	54	56	50	720	639	12.6	2,641	2,219	19.0
<b>U.S. total</b>	<b>11,737</b>	<b>12,066</b>	<b>11,759</b>	<b>153,117</b>	<b>150,675</b>	<b>1.6</b>	<b>606,850</b>	<b>584,389</b>	<b>3.8</b>
Railroad cars loaded	65,627	68,248	66,504	868,052	852,295	1.8	3,496,832	3,400,915	2.8

Source: Energy Information Administration



**Weekly Electric Output**

**Volume 91 No. 13**

**OUTPUT FOR WEEK ENDED - Apr 01, 2023**

**Apr 05, 2023**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Apr 01, 2023** was **70,906** 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 April 01		52 Weeks Ended April 01	
	GWh Output	% Increase Over Corresponding Week of 2022	GWh Output	% Increase Over Corresponding Period of 2022
New England	1,947	-5.6	114,164	-2.0
Mid-Atlantic	6,992	-8.9	412,451	-1.9
Central Industrial	11,679	-5.8	648,132	-1.1
West Central	5,918	-1.2	339,809	0.1
Southeast	17,269	-2.0	1,020,156	0.3
South Central	14,155	3.9	839,588	6.2
Rocky Mountain	4,980	2.8	297,137	0.7
Pacific Northwest	3,248	11.3	162,208	1.6
Pacific Southwest	4,718	6.4	275,791	2.4
Total United States	70,906	-0.9	4,109,436	1.1

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

Week Ended	2023	Week Ended	2022	% Inc. (23/22)	52 Weeks Ended	2023	% Inc. (23/22)
Mar 11	73,813	Mar 12	75,113	-1.7	Mar 11	4,102,283	1.1
Mar 18	74,499	Mar 19	70,813	5.2	Mar 18	4,105,968	1.2
Mar 25	74,307	Mar 26	70,186	5.9	Mar 25	4,110,090	1.2
Apr 01	70,906	Apr 02	71,560	-0.9	Apr 01	4,109,436	1.1
<b>Apr 01</b>	<b>983,808</b>	<b>Apr 02</b>	<b>1,017,273</b>	<b>-3.3</b>	<b>YEAR TO DATE, FIRST 13 WEEKS</b>		

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

**SEASONALLY ADJUSTED 1982 = 100**

Week Ended	2023	Week Ended	2022	Week Ended	2021
Mar 11	168	Mar 12	182	Mar 13	169
Mar 18	179	Mar 19	173	Mar 20	171
Mar 25	180	Mar 26	171	Mar 27	161
Apr 01	181	Apr 02	177	Apr 03	165

\* 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		
	1-Apr 2023 GWh Output	2-Apr 2022 GWh Output	% Increase Over Corresponding Week	1-Apr 2023 GWh Output	2-Apr 2022 GWh Output	% Increase Over Corresponding Week	1-Apr 2023 GWh Output	2-Apr 2022 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	1,947	2,062	-5.6%	<b>28,625</b>	<b>30,239</b>	<b>-5.3%</b>	114,164	116,455	-2.0%
<b>Mid-Atlantic</b>	6,992	7,673	-8.9%	<b>100,447</b>	<b>107,461</b>	<b>-6.5%</b>	412,451	420,310	-1.9%
<b>Central Industrial</b>	11,679	12,393	-5.8%	<b>161,612</b>	<b>171,104</b>	<b>-5.5%</b>	648,132	655,531	-1.1%
<b>West Central</b>	5,918	5,992	-1.2%	<b>83,253</b>	<b>85,279</b>	<b>-2.4%</b>	339,809	339,376	0.1%
<b>Southeast</b>	17,269	17,615	-2.0%	<b>241,341</b>	<b>257,741</b>	<b>-6.4%</b>	1,020,156	1,017,431	0.3%
<b>South Central</b>	14,155	13,625	3.9%	<b>188,235</b>	<b>189,183</b>	<b>-0.5%</b>	839,588	790,433	6.2%
<b>Rocky Mountain</b>	4,980	4,846	2.8%	<b>71,473</b>	<b>70,479</b>	<b>1.4%</b>	297,137	295,213	0.7%
<b>Pacific Northwest</b>	3,248	2,919	11.3%	<b>45,892</b>	<b>45,047</b>	<b>1.9%</b>	162,208	159,642	1.6%
<b>Pacific Southwest</b>	4,718	4,435	6.4%	<b>62,930</b>	<b>60,740</b>	<b>3.6%</b>	275,791	269,328	2.4%
<b>Total United States <sup>1/</sup></b>	<b>70,906</b>	<b>71,560</b>	<b>-0.9%</b>	<b>983,808</b>	<b>1,017,273</b>	<b>-3.3%</b>	<b>4,109,436</b>	<b>4,063,719</b>	<b>1.1%</b>
<b>Coal Regions Only <sup>2/</sup></b>	60,993	62,144	-1.9%	<b>846,361</b>	<b>881,247</b>	<b>-4.0%</b>	3,557,273	3,518,294	1.1%

**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. **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

April 3, 2023

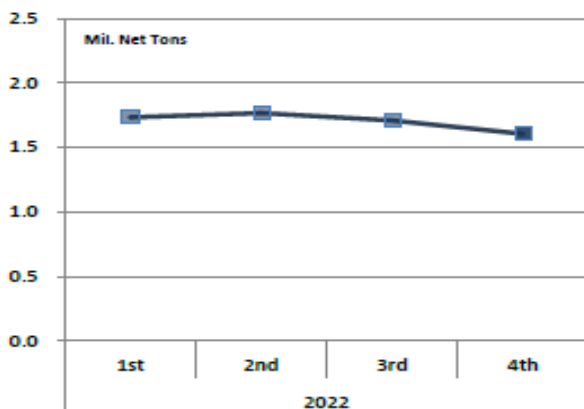
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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>Apr 1</u>	<u>Mar 25</u>	
<b><u>Week Ending</u></b>				North East	139	150
				Great Lakes	562	561
April 1, 2023	1,658	-1.3	74.2	Midwest	222	211
April 1, 2022	1,721	-3.7	79.1	Southern	671	698
March 25, 2023	1,679	-0.4	75.1	Western	64	59
				<b>Total</b>	<b>1,658</b>	<b>1,679</b>
<b><u>Year-to-Date +</u></b>						
April 1, 2023	21,608	-4.1	74.3			
April 1, 2022	22,535	-	79.7			

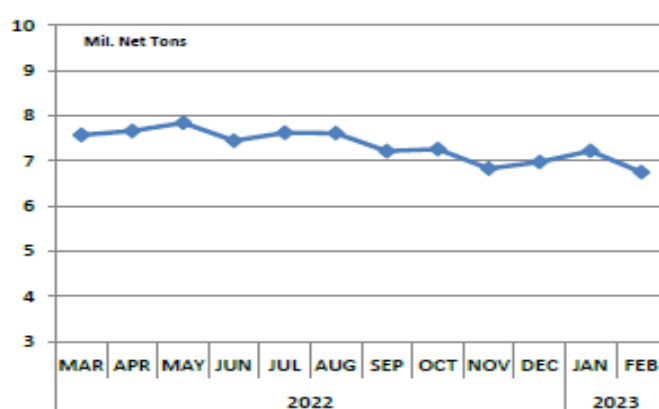
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

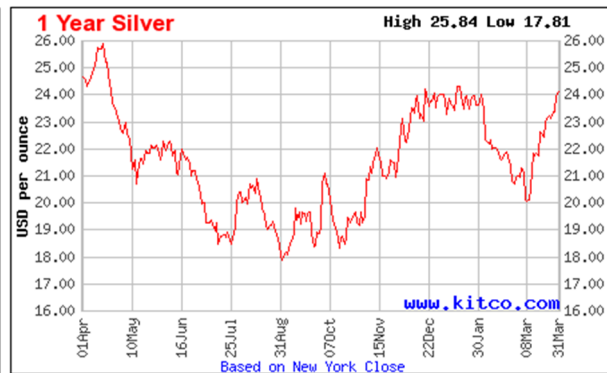
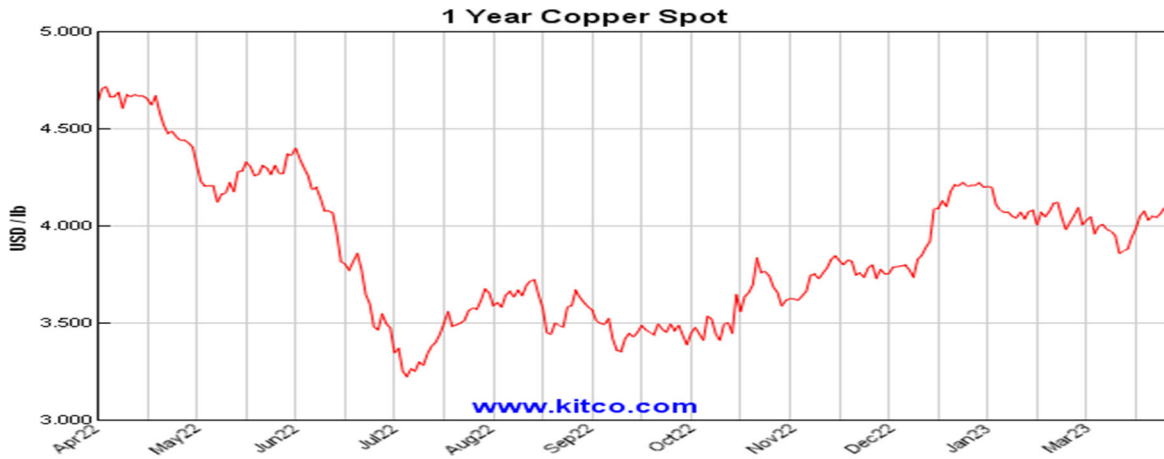
**Average Weekly Raw Steel Production**



**Monthly Raw Steel Production**



\*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](http://www.kitco.com/connecting.html)

**U.S. Rail Traffic<sup>1</sup>**  
 Week 13, 2023 – Ended April 1, 2023

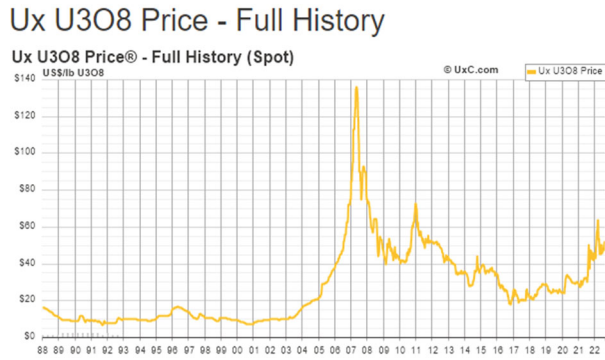
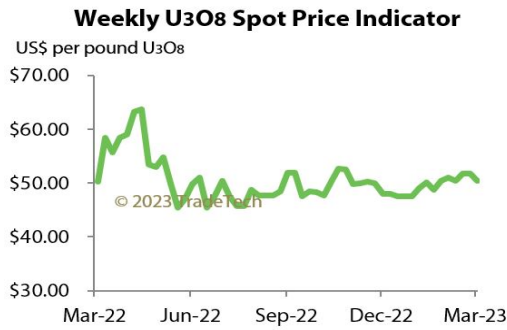
	This Week		Year-To-Date		
	Cars	vs 2022	Cumulative	Avg/wk <sup>2</sup>	vs 2022
<b>Total Carloads</b>	<b>233,413</b>	<b>-0.4%</b>	<b>2,993,492</b>	<b>230,269</b>	<b>-0.3%</b>
Chemicals	33,347	-5.1%	419,176	32,244	-6.8%
Coal	65,627	-0.9%	868,052	66,773	-0.1%
Farm Products excl. Grain, and Food	16,772	-3.4%	221,121	17,009	3.2%
Forest Products	9,537	-3.5%	121,357	9,335	-6.4%
Grain	20,628	-7.4%	282,739	21,749	-6.9%
Metallic Ores and Metals	23,440	11.2%	267,884	20,606	1.8%
Motor Vehicles and Parts	14,874	8.1%	181,756	13,981	9.8%
Nonmetallic Minerals	30,702	-4.2%	386,027	29,694	4.0%
Petroleum and Petroleum Products	10,127	18.3%	135,079	10,391	12.3%
Other	8,359	3.0%	110,301	8,485	-5.2%
<b>Total Intermodal Units</b>	<b>234,017</b>	<b>-13.4%</b>	<b>3,023,563</b>	<b>232,582</b>	<b>-10.3%</b>
<b>Total Traffic</b>	<b>467,430</b>	<b>-7.4%</b>	<b>6,017,055</b>	<b>462,850</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.

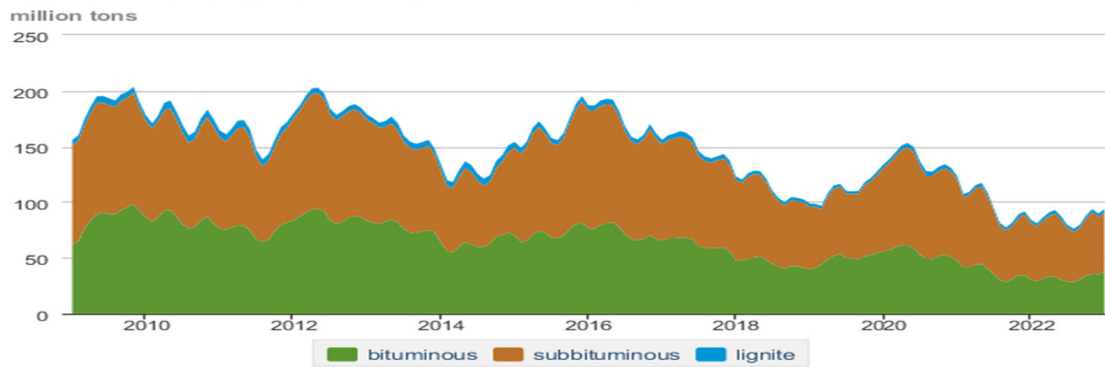
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

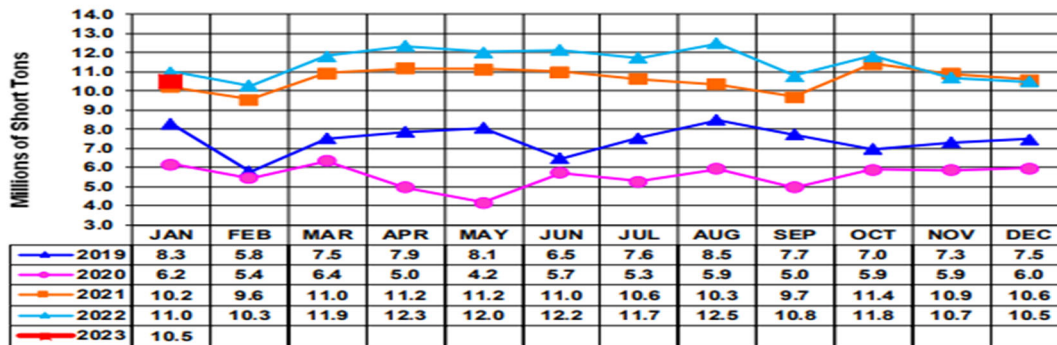
### Coal stocks by type, January 2009 - January 2023



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.

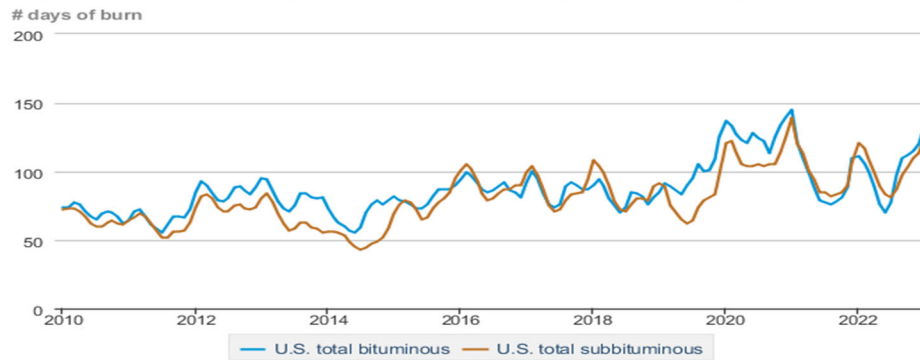
Source: Waterborne Commerce Statistics Center

**Average weekly coal commodity spot prices**  
dollars per short ton

	Week ending					Week ago
	03/03/23	03/10/23	03/17/23	03/24/23	03/31/23	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$128.60	\$128.60	\$88.80	\$88.80	\$91.55	\$2.75
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$97.50	\$97.50	\$80.50	\$80.50	\$83.00	\$2.50
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$107.00	\$107.00	\$78.45	\$78.45	\$78.45	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$15.30	\$15.30	\$14.95	\$14.95	\$14.90	-\$0.05
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$37.25	\$37.25	\$37.10	\$37.10	\$36.95	-\$0.15

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

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



**eia** Data source: U.S. Energy Information Administration

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

**Temperature – heating & cooling degree days (week ending Mar 23)**

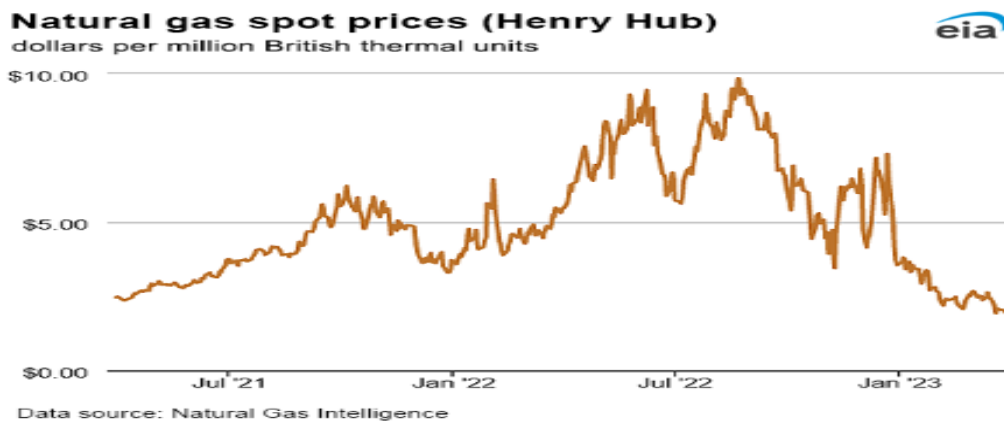
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	173	-18	45	0	0	0
Middle Atlantic	165	-11	57	0	0	0
E N Central	207	23	91	0	0	0
W N Central	238	54	98	0	-1	0
South Atlantic	125	24	68	7	-5	-10
E S Central	144	48	85	0	-5	0
W S Central	96	40	45	10	-3	4
Mountain	193	42	37	0	-2	-1
Pacific	117	30	55	0	-1	0
United States	164	25	68	2	-3	-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	January 2023		January 2022		% Change of Stocks	December 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,972	365	2,169	349	37.1%	2,521	365	17.9%
	Subbituminous								
South	Bituminous	17,040	133	11,824	100	44.1%	15,741	124	8.3%
	Subbituminous	4,232	86	3,559	67	18.9%	3,663	59	15.5%
Midwest	Bituminous	9,021	108	8,657	104	4.2%	8,608	89	4.8%
	Subbituminous	22,048	133	20,006	137	10.2%	22,997	141	-4.1%
West	Bituminous	2,127	151	2,150	138	-1.1%	2,131	153	-0.2%
	Subbituminous	19,914	125	19,178	120	3.8%	18,658	107	6.7%
U.S. Total	Bituminous	31,160	133	24,800	111	25.6%	29,000	120	7.4%
	Subbituminous	46,194	125	42,743	121	8.1%	45,317	113	1.9%

Source: Energy Information Administration, *Electricity Monthly Update*

## Mining-Related Commodity Prices

Commodity Price - Snapshot		
Metals Prices	Date	Price
Cobalt Spot Price (\$/lb)	4/3/2023	\$15.84
Copper Spot Price (\$/lb)	4/4/2023	\$3.99
Gold Spot Price (\$/ounce)	4/4/2023	\$1,982.25
Lithium Spot Price (\$/kg)	4/4/2023	\$32.47
Molybdenum Spot Price (\$/kg)	4/3/2023	\$74.00
Nickel Spot Price (\$/lb)	4/3/2022	\$10.51
Silver Spot Price (\$/ounce)	4/4/2023	\$24.02
Steel HRC Price (\$/mt)	4/4/2022	\$1,108.00
Steel Rebar Price (\$/mt)	4/4/2023	\$585.77
Zinc Spot Price (\$/lb)	4/4/2023	\$1.29
Energy Prices	Date	Price
Coal Price - Australian Premium Coking Coal Futures (\$/mt)	4/4/2023	\$288.00
Coal Spot Price - Central Appalachian (\$/st)	3/31/2023	\$91.55
Coal Spot Price - Newcastle futures (\$/mt)	4/4/2023	\$192.65
Coal Spot Price - Rotterdam futures (\$/mt)	4/4/2023	\$144.05
Natural Gas Spot Price - Henry Hub (\$/mmbtu)	3/29/2023	\$1.95
Uranium Spot Price (\$/lb)	3/30/2023	\$50.35

Sources: publicly available data from [eia.gov](http://eia.gov), [dailymetalprice.com](http://dailymetalprice.com), [tradingeconomics.com](http://tradingeconomics.com), [sgxgroup.com](http://sgxgroup.com), [investing.com](http://investing.com)

## EIA Working Natural Gas Underground Storage

### Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2023-03-24	2023-03-17	change
East	343	355	-12
Midwest	437	461	-24
Mountain	82	84	-2
Pacific	73	72	1
South Central	917	927	-10
Total	1,853	1,900	-47

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		
	March 2023	April 2023	change	March 2023	April 2023	change
Anadarko	672	673	1	3,921	3,952	31
Appalachia	190	191	1	24,578	24,161	(417)
Bakken	1,684	1,685	1	2,507	2,508	1
Eagle Ford	1,413	1,398	(15)	5,847	5,771	(76)
Haynesville	19	19	-	10,743	10,732	(11)
Niobrara	1,420	1,434	14	3,705	3,798	93
Permian	1,057	1,056	(1)	2,073	2,052	(21)
Rig-weighted average	944	939	(5)	5,343	5,298	(45)

Source: Energy Information Administration, *Drilling Productivity Report*

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

Cobalt - December 2022	Jan-23	Year to Date
U.S. Imports for Consumption - Metals (mt)	593	593
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	408	408
Reported Stocks of Cobalt Metal (mt)	U.S. Govt	LME
	302	159
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	18.38	22.06

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

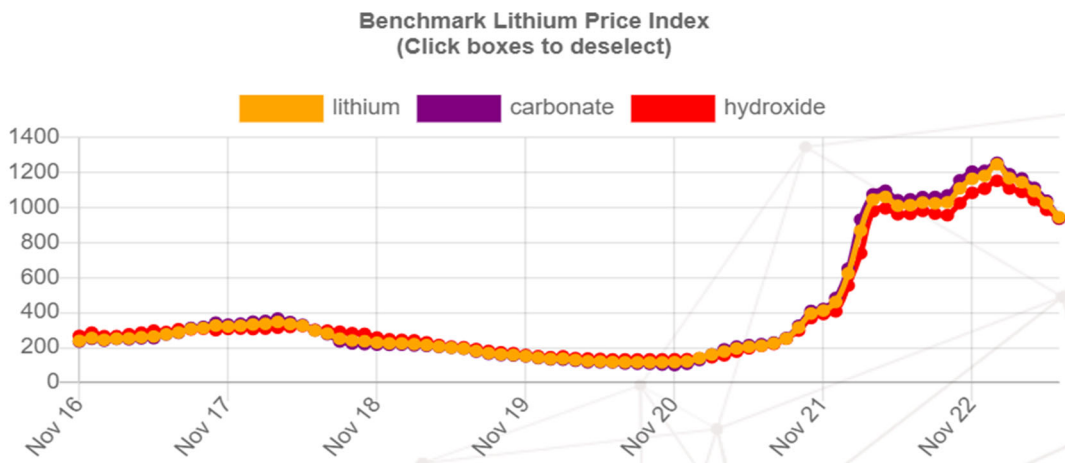
### Cobalt and Lithium Prices

#### 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/>