



# NATIONAL MINING ASSOCIATION

## WEEKLY STATISTICAL SUMMARY

**April 28, 2023 Edition**  
(Data for Week Ending April 22, 2023)

Prepared by  
**National Mining Association**

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# NMA WEEKLY STATISTICAL SUMMARY

Vol. 61, No. 16 | Dated 04/28/23

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/22/23	04/16/22	% Chg	04/22/23	04/22/22	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	12,194	10,802	12.9%	187,596	183,309	2.3%
52 Weeks Ended	607,712	586,562	3.6%			
<i>Note: the year 2022 has an extra Saturday</i>						
AAR Coal Rail Cars Loaded:	68,879	61,550	11.9%	1,062,197	1,038,247	2.3%
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		
	04/22/23	04/23/22	% Chg	04/22/23	04/23/22	% Chg
EEl Electric Total Output (Mil. Kwh)	69,355	70,971	-2.3%	1,193,256	1,228,821	-2.9%
EEl Coal Region Output (Mil. Kwh)	59,835	61,638	-2.9%	1,027,360	1,063,961	-3.4%
AISI Raw Steel Output (000 Tons)	1,700	1,788	-4.9%	26,670	27,899	-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)	
	04/21/23	04/14/23	% Chg	Wed.	4/19/23
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$78.90	\$94.35	-16.4%	Henry Hub	2.20
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	74.55	85.55	-12.9%	New York	1.73
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	65.60	78.45	-16.4%	Chicago	1.94
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	14.65	14.85	-1.3%	Cal.Comp.Avg.	4.35
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	34.75	36.80	-5.6%		

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

## EIA Estimated Weekly U.S. Coal Production Overview

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	4/22/2023 (week 16)	4/15/2023 (week 15)	4/16/2022 (week 16)	4/22/2023	4/22/2022	% Change	4/22/2023	4/16/2022	% Change
Alabama	240	221	184	3,352	3,170	5.8	10,741	8,979	19.6
Alaska	19	17	16	303	323	-5.9	1,008	1,001	0.7
Colorado	281	257	264	4,291	3,645	17.7	13,644	12,426	9.8
Illinois	919	815	808	12,527	11,875	5.5	39,659	35,148	12.8
Indiana	546	498	434	7,781	6,658	16.9	24,990	20,075	24.5
<b>Kentucky total</b>	<b>599</b>	<b>556</b>	<b>531</b>	<b>9,322</b>	<b>8,789</b>	<b>6.1</b>	<b>29,425</b>	<b>27,104</b>	<b>8.6</b>
Eastern (KY)	268	249	233	4,117	3,563	15.6	12,772	10,821	18.0
Western (KY)	331	307	298	5,205	5,227	-0.4	16,652	16,284	2.3
Louisiana	6	6	6	90	81	11.7	322	307	4.9
Maryland	31	28	27	439	399	10.2	1,415	1,240	14.1
Mississippi	77	70	71	1,066	964	10.7	3,529	3,148	12.1
Missouri	2	2	1	25	22	13.4	78	43	81.4
Montana	571	526	541	8,923	8,729	2.2	28,870	29,106	-0.8
New Mexico	232	216	186	3,812	3,373	13.0	11,141	9,772	14.0
North Dakota	527	495	448	8,302	8,583	-3.3	26,816	26,665	0.6
Ohio	46	44	47	800	865	-7.5	2,465	2,741	-10.1
Oklahoma	s	s	.	1	s	42.0	2	1	100.0
<b>Pennsylvania total</b>	<b>758</b>	<b>717</b>	<b>740</b>	<b>12,023</b>	<b>12,631</b>	<b>-4.8</b>	<b>39,805</b>	<b>40,651</b>	<b>-2.1</b>
Anthracite (PA)	56	51	45	876	774	13.2	2,658	2,253	18.0
Bituminous (PA)	702	666	695	11,147	11,856	-6.0	37,148	38,399	-3.3
Tennessee	s	s	s	1	s	NM	1	s	100.0
Texas	332	303	309	5,241	5,077	3.2	17,501	17,664	-0.9
Utah	196	178	178	3,273	3,809	-14.1	10,333	12,347	-16.3
Virginia	223	200	190	3,297	3,249	1.5	11,199	10,873	3.0
<b>West Virginia total</b>	<b>1,793</b>	<b>1,633</b>	<b>1,560</b>	<b>27,033</b>	<b>25,770</b>	<b>4.9</b>	<b>86,026</b>	<b>79,489</b>	<b>8.2</b>
Northern (WV)	994	911	857	15,196	14,435	5.3	48,432	44,784	8.1
Southern (WV)	800	722	703	11,837	11,335	4.4	37,594	34,705	8.3
Wyoming	4,797	4,431	4,262	75,693	75,299	0.5	248,742	247,783	0.4
<b>Appalachian total</b>	<b>3,358</b>	<b>3,092</b>	<b>2,981</b>	<b>51,063</b>	<b>49,647</b>	<b>2.9</b>	<b>164,425</b>	<b>154,793</b>	<b>6.2</b>
<b>Interior total</b>	<b>2,212</b>	<b>2,001</b>	<b>1,927</b>	<b>31,936</b>	<b>29,903</b>	<b>6.8</b>	<b>102,732</b>	<b>92,670</b>	<b>10.9</b>
<b>Western total</b>	<b>6,623</b>	<b>6,120</b>	<b>5,894</b>	<b>104,598</b>	<b>103,759</b>	<b>0.8</b>	<b>340,555</b>	<b>339,099</b>	<b>0.4</b>
<b>East of Mississippi River</b>	<b>5,231</b>	<b>4,781</b>	<b>4,592</b>	<b>77,642</b>	<b>74,370</b>	<b>4.4</b>	<b>249,256</b>	<b>229,448</b>	<b>8.6</b>
<b>West of Mississippi River</b>	<b>6,963</b>	<b>6,430</b>	<b>6,210</b>	<b>109,954</b>	<b>108,939</b>	<b>0.9</b>	<b>358,457</b>	<b>357,114</b>	<b>0.4</b>
Bituminous and lignite	12,138	11,161	10,757	186,720	182,535	2.3	605,055	584,310	3.6
Anthracite	56	51	45	876	774	13.2	2,658	2,253	18.0
<b>U.S. total</b>	<b>12,194</b>	<b>11,212</b>	<b>10,802</b>	<b>187,596</b>	<b>183,309</b>	<b>2.3</b>	<b>607,712</b>	<b>586,562</b>	<b>3.6</b>
Railroad cars loaded	68,879	63,196	61,550	1,062,197	1,038,247	2.3	3,499,770	3,408,725	2.7

Source: Energy Information Administration



# Weekly Electric Output

Volume 91 No. 16

**OUTPUT FOR WEEK ENDED - Apr 22, 2023**

**Apr 26, 2023**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Apr 22, 2023** was **69,355** 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 22		52 Weeks Ended April 22	
	GWh Output	% Increase Over Corresponding Week of 2022	GWh Output	% Increase Over Corresponding Period of 2022
New England	1,793	-1.4	113,976	-2.1
Mid-Atlantic	6,573	-3.9	411,832	-2.2
Central Industrial	11,237	-3.7	647,023	-1.5
West Central	5,676	-0.4	339,713	-0.1
Southeast	17,208	-3.7	1,020,441	0.1
South Central	14,396	-2.5	839,671	5.8
Rocky Mountain	4,745	-1.1	296,879	0.5
Pacific Northwest	3,212	3.2	162,127	1.0
Pacific Southwest	4,515	2.5	275,673	2.4
Total United States	69,355	-2.3	4,107,335	0.8

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

Week Ended	2023	Week Ended	2022	% Inc. (23/22)	52 Weeks Ended	2023	% Inc. (23/22)
Apr 01	70,906	Apr 02	71,560	-0.9	Apr 01	4,109,436	1.1
Apr 08	71,516	Apr 09	71,047	0.7	Apr 08	4,109,905	1.0
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
<b>Apr 22</b>	<b>1,193,256</b>	<b>Apr 23</b>	<b>1,228,821</b>	<b>-2.9</b>	<b>YEAR TO DATE, FIRST 16 WEEKS</b>		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2023	Week Ended	2022	Week Ended	2021
Apr 01	181	Apr 02	177	Apr 03	165
Apr 08	185	Apr 09	177	Apr 10	165
Apr 15	179	Apr 16	174	Apr 17	164
Apr 22	181	Apr 23	184	Apr 24	168

\* 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		
	22-Apr 2023 GWh Output	23-Apr 2022 GWh Output	% Increase Over Corresponding Week	22-Apr 2023 GWh Output	23-Apr 2022 GWh Output	% Increase Over Corresponding Week	22-Apr 2023 GWh Output	23-Apr 2022 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	1,793	1,818	-1.4%	<b>34,067</b>	<b>35,869</b>	<b>-5.0%</b>	116,478	116,499	0.0%
<b>Mid-Atlantic</b>	6,573	6,836	-3.8%	<b>120,511</b>	<b>128,144</b>	<b>-6.0%</b>	421,016	420,916	0.0%
<b>Central Industrial</b>	11,237	11,666	-3.7%	<b>195,188</b>	<b>205,788</b>	<b>-5.2%</b>	657,068	656,672	0.1%
<b>West Central</b>	5,676	5,702	-0.5%	<b>100,523</b>	<b>102,645</b>	<b>-2.1%</b>	340,154	339,969	0.1%
<b>Southeast</b>	17,208	17,863	-3.7%	<b>294,029</b>	<b>310,143</b>	<b>-5.2%</b>	1,019,713	1,019,144	0.1%
<b>South Central</b>	14,396	14,771	-2.5%	<b>231,489</b>	<b>232,356</b>	<b>-0.4%</b>	793,911	791,953	0.2%
<b>Rocky Mountain</b>	4,745	4,800	-1.1%	<b>85,621</b>	<b>84,885</b>	<b>0.9%</b>	295,303	295,310	0.0%
<b>Pacific Northwest</b>	3,212	3,112	3.2%	<b>55,371</b>	<b>54,606</b>	<b>1.4%</b>	160,463	160,119	0.2%
<b>Pacific Southwest</b>	4,515	4,403	2.5%	<b>76,457</b>	<b>74,385</b>	<b>2.8%</b>	269,254	269,512	-0.1%
<b>Total United States <sup>1/</sup></b>	<u>69,355</u>	<u>70,971</u>	-2.3%	<u><b>1,193,255</b></u>	<u><b>1,228,821</b></u>	<b>-2.9%</b>	<u>4,073,360</u>	<u>4,070,094</u>	0.1%
<b>Coal Regions Only <sup>2/</sup></b>	59,835	61,638	-2.9%	<b>1,027,360</b>	<b>1,063,961</b>	<b>-3.4%</b>	3,527,165	3,523,964	0.1%

**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 24, 2023

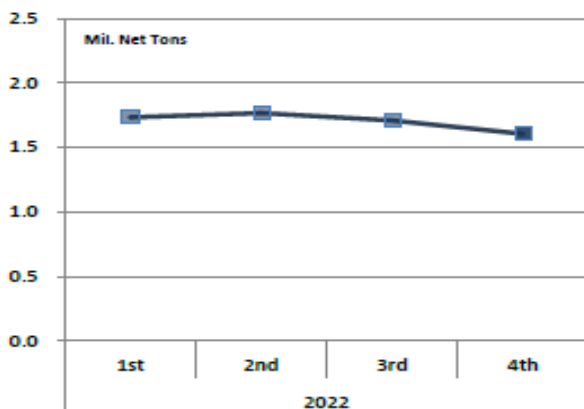
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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 Apr 22</u>	<u>Apr 15</u>	
<b><u>Week Ending</u></b>				North East	151	149
				Great Lakes	571	577
April 22, 2023	1,700	0.8	75.6	Midwest	216	211
April 22, 2022	1,788	-4.9	81.9	Southern	700	692
April 15, 2023	1,687	0.7	75.0	Western	62	58
				<b>Total</b>	<b>1,700</b>	<b>1,687</b>
<b><u>Year-to-Date +</u></b>						
April 22, 2023	26,670	-4.4	74.5			
April 22, 2022	27,899	-	80.3			

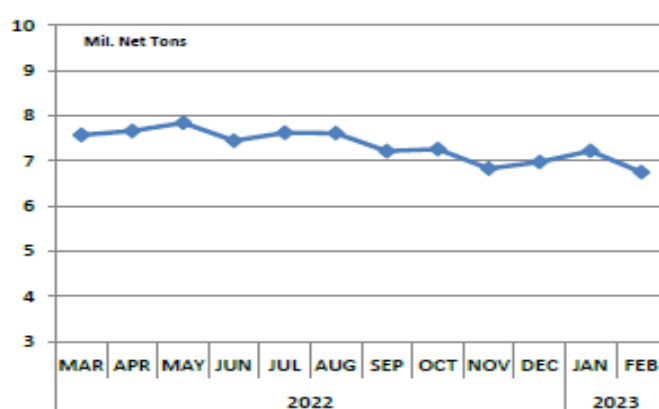
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

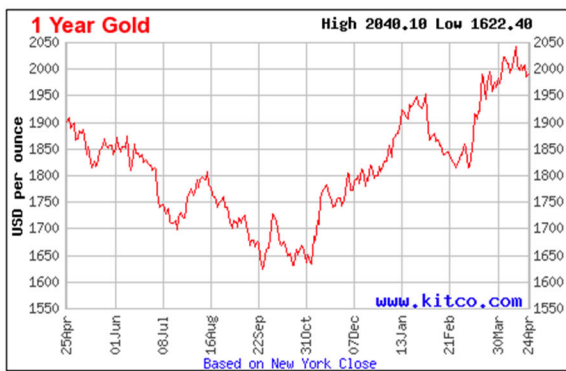
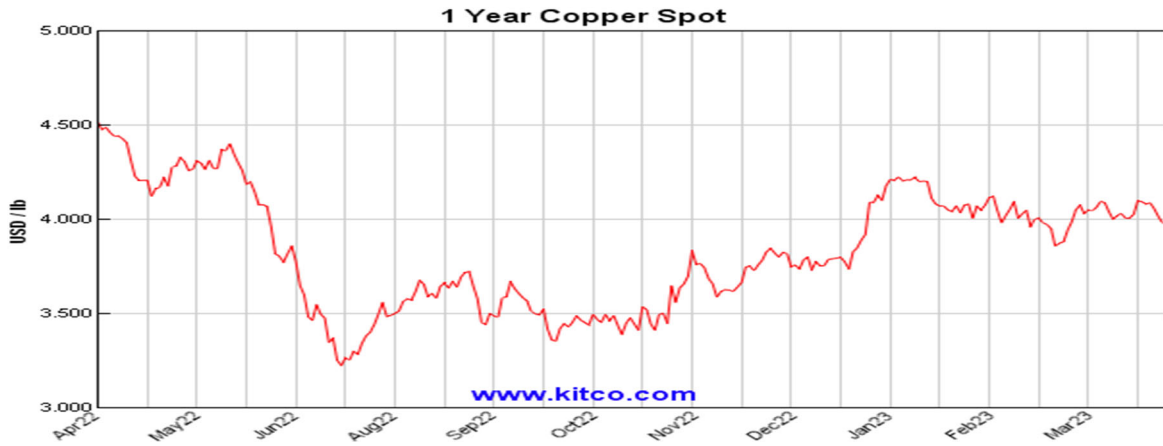
**Average Weekly Raw Steel Production**



**Monthly Raw Steel Production**



\*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 16, 2023 – Ended April 22, 2023

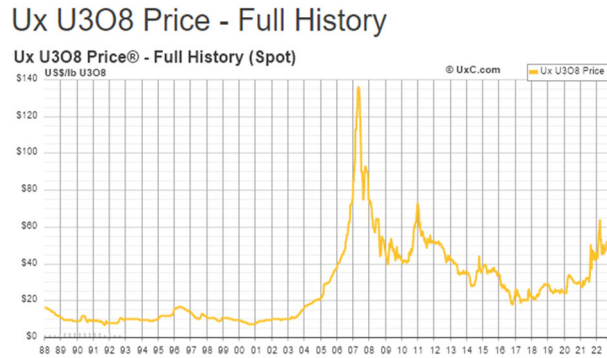
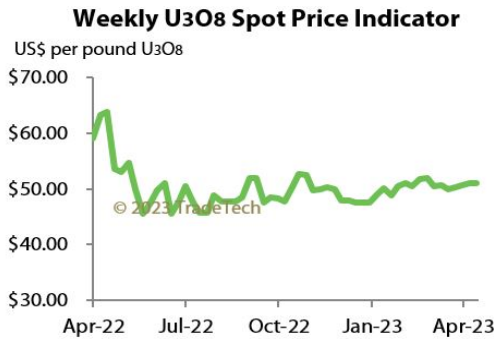
	This Week		Year-To-Date		
	Cars	vs 2022	Cumulative	Avg/wk <sup>2</sup>	vs 2022
<b>Total Carloads</b>	<b>240,584</b>	<b>5.1%</b>	<b>3,693,811</b>	<b>230,863</b>	<b>0.5%</b>
Chemicals	34,298	-1.5%	518,205	32,388	-6.2%
Coal	68,879	19.0%	1,062,197	66,387	2.3%
Farm Products excl. Grain, and Food	16,443	1.2%	270,113	16,882	2.6%
Forest Products	8,875	-9.1%	148,585	9,287	-6.3%
Grain	22,013	-4.5%	346,561	21,660	-6.5%
Metallic Ores and Metals	23,062	3.6%	335,011	20,938	2.6%
Motor Vehicles and Parts	14,643	10.5%	225,601	14,100	10.2%
Nonmetallic Minerals	33,332	1.2%	485,159	30,322	4.0%
Petroleum and Petroleum Products	9,855	-2.3%	164,838	10,302	11.3%
Other	9,184	5.6%	137,541	8,596	-4.6%
<b>Total Intermodal Units</b>	<b>239,873</b>	<b>-10.8%</b>	<b>3,723,234</b>	<b>232,702</b>	<b>-10.9%</b>
<b>Total Traffic</b>	<b>480,457</b>	<b>-3.5%</b>	<b>7,417,045</b>	<b>463,565</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.

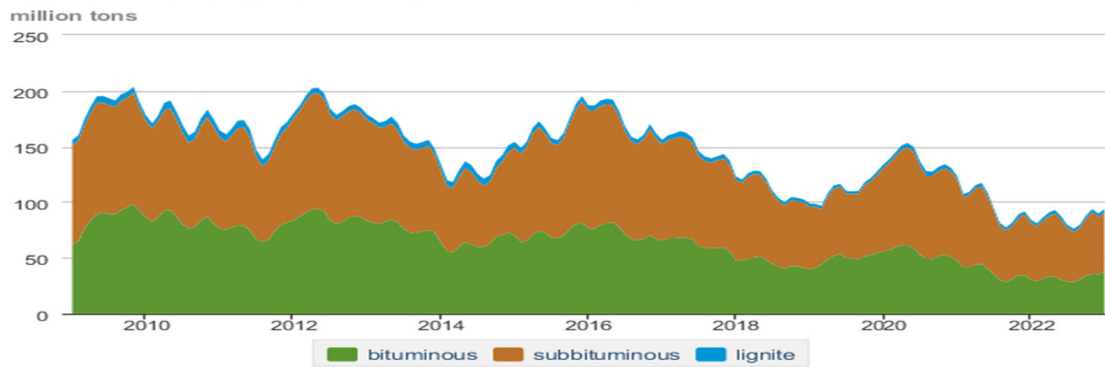
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

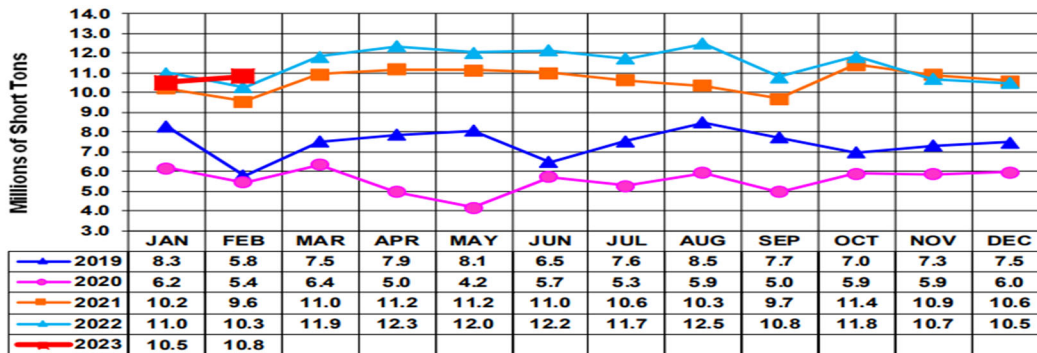
### Coal stocks by type, January 2009 - January 2023



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.

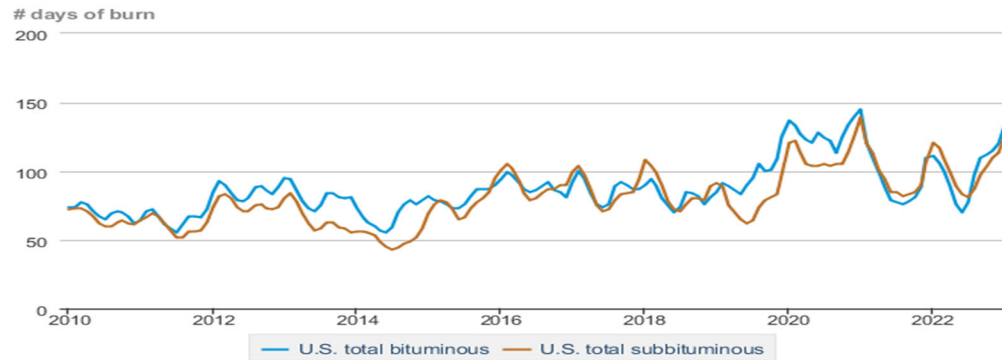
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices  
dollars per short ton

	Week ending					Week ago
	03/24/23	03/31/23	04/07/23	04/14/23	04/21/23	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$88.80	\$91.55	\$94.35	\$94.35	\$78.90	-\$15.45
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$80.50	\$83.00	\$85.55	\$85.55	\$74.55	-\$11.00
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$78.45	\$78.45	\$78.45	\$78.45	\$65.60	-\$12.85
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$14.95	\$14.90	\$14.85	\$14.85	\$14.65	-\$0.20
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$37.10	\$36.95	\$36.80	\$36.80	\$34.75	-\$2.05

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



Data source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Apr 13)

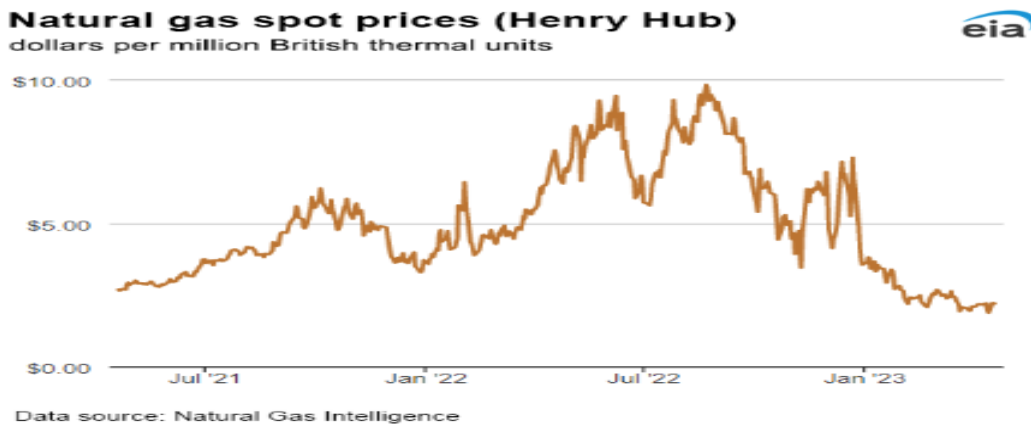
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	104	-41	-6	0	0	0
Middle Atlantic	91	-37	-14	4	4	4
E N Central	85	-47	-40	2	2	2
W N Central	78	-46	-56	2	1	2
South Atlantic	68	2	1	19	6	3
E S Central	59	-1	-10	0	-5	-7
W S Central	37	7	9	12	-5	-20
Mountain	93	-29	-43	7	0	-1
Pacific	74	4	8	0	-2	-7
United States	77	-23	-18	6	1	-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*.

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	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)	4/24/23	\$15.84
Copper Spot Price (\$/lb)	4/25/23	\$3.84
Gold Spot Price (\$/ounce)	4/25/23	\$1,990.20
Lithium Spot Price (\$/kg)	4/25/23	\$24.92
Molybdenum Spot Price (\$/kg)	4/24/23	\$74.00
Nickel Spot Price (\$/lb)	4/24/23	\$11.11
Silver Spot Price (\$/ounce)	4/25/23	\$24.89
Steel HRC Price (\$/mt)	4/19/23	\$1,084.30
Steel Rebar Price (\$/mt)	4/25/23	\$537.44
Zinc Spot Price (\$/lb)	4/25/23	\$1.18
Energy Prices	Date	Price
Coal Price - Australian Premium Coking Coal Futures (\$/mt)	4/25/23	\$245.67
Coal Spot Price - Central Appalachian (\$/st)	4/21/23	\$78.90
Coal Spot Price - Newcastle futures (\$/mt)	4/25/23	\$188.55
Coal Spot Price - Rotterdam futures (\$/mt)	4/25/23	\$140.00
Natural Gas Spot Price - Henry Hub (\$/mmbtu)	4/19/23	\$2.20
Uranium Spot Price (\$/lb)	4/17/23	\$51.00

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)		
	2023-04-14	2023-04-07	change
East	363	345	18
Midwest	450	427	23
Mountain	84	80	4
Pacific	83	74	9
South Central	949	929	20
<b>Total</b>	<b>1,930</b>	<b>1,855</b>	<b>75</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 - 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

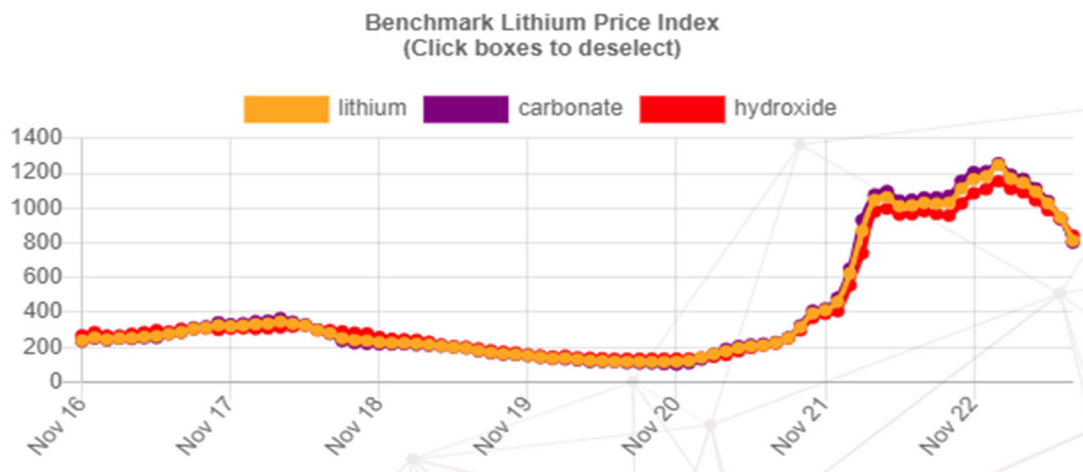
### Cobalt and Lithium Prices

#### 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/>