



# NATIONAL MINING ASSOCIATION

## WEEKLY STATISTICAL SUMMARY

**April 21, 2023 Edition**  
(Data for Week Ending April 15, 2023)

Prepared by  
**National Mining Association**

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# NMA WEEKLY STATISTICAL SUMMARY

Vol. 61, No. 15 | Dated 04/21/23

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	04/15/23	04/9/22	% Chg	04/15/23	04/15/22	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,212	11,534	-2.8%	175,403	173,065	1.4%
52 Weeks Ended	606,320	586,155	3.4%			
<i>Note: the year 2022 has an extra Saturday</i>						
AAR Coal Rail Cars Loaded:	63,196	65,725	-3.8%	993,318	979,875	1.4%
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		
	04/15/23	04/16/22	% Chg	04/15/23	04/16/22	% Chg
EI Electric Total Output (Mil. Kwh)	68,576	69,530	-1.4%	1,123,900	1,157,851	-2.9%
EI Coal Region Output (Mil. Kwh)	59,319	59,914	-1.0%	967,525	1,002,323	-3.5%
AISI Raw Steel Output (000 Tons)	1,687	1,788	-5.6%	24,970	26,111	-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)	
	04/14/23	04/07/23	% Chg	Wed.	4/12/23
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$94.35	\$94.35	0.0%	Henry Hub	2.21
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	85.55	85.55	0.0%	New York	1.57
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	78.45	78.45	0.0%	Chicago	1.81
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	14.85	14.85	0.0%	Cal.Comp.Avg.	5.15
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	36.80	36.80	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

<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		
	4/15/2023 (week 15)	4/8/2023 (week 14)	4/9/2022 (week 15)	4/15/2023	4/15/2022	% Change	4/15/2023	4/9/2022	% Change
Alabama	221	220	197	3,112	2,995	3.9	10,685	8,949	19.4
Alaska	17	17	17	285	308	-7.6	1,005	1,003	0.2
Colorado	257	260	282	4,010	3,395	18.1	13,627	12,350	10.3
Illinois	815	769	863	11,607	11,108	4.5	39,548	35,050	12.8
Indiana	498	496	464	7,235	6,246	15.8	24,879	19,978	24.5
<b>Kentucky total</b>	<b>556</b>	<b>551</b>	<b>567</b>	<b>8,723</b>	<b>8,286</b>	<b>5.3</b>	<b>29,357</b>	<b>27,058</b>	<b>8.5</b>
Eastern (KY)	249	250	249	3,849	3,342	15.2	12,738	10,776	18.2
Western (KY)	307	302	318	4,874	4,944	-1.4	16,619	16,281	2.1
Louisiana	6	6	7	84	75	12.0	322	306	5.2
Maryland	28	28	29	409	373	9.5	1,412	1,234	14.4
Mississippi	70	71	75	990	897	10.4	3,523	3,138	12.3
Missouri	2	2	1	23	20	12.3	77	43	79.1
Montana	526	521	578	8,352	8,216	1.7	28,840	29,057	-0.7
New Mexico	216	217	199	3,580	3,196	12.0	11,095	9,736	14.0
North Dakota	495	499	478	7,775	8,158	-4.7	26,737	26,659	0.3
Ohio	44	43	50	754	821	-8.1	2,466	2,733	-9.8
Oklahoma	s	s	.	s	s	22.3	2	1	100.0
<b>Pennsylvania total</b>	<b>717</b>	<b>711</b>	<b>790</b>	<b>11,265</b>	<b>11,929</b>	<b>-5.6</b>	<b>39,787</b>	<b>40,744</b>	<b>-2.3</b>
Anthracite (PA)	51	50	48	821	732	12.1	2,647	2,242	18.1
Bituminous (PA)	666	661	743	10,445	11,197	-6.7	37,141	38,501	-3.5
Tennessee	s	s	s	1	s	NM	1	s	100.0
Texas	303	299	330	4,910	4,784	2.6	17,478	17,637	-0.9
Utah	178	169	190	3,077	3,640	-15.5	10,315	12,388	-16.7
Virginia	200	195	203	3,074	3,069	0.2	11,166	10,875	2.7
<b>West Virginia total</b>	<b>1,633</b>	<b>1,591</b>	<b>1,666</b>	<b>25,240</b>	<b>24,291</b>	<b>3.9</b>	<b>85,793</b>	<b>79,374</b>	<b>8.1</b>
Northern (WV)	911	897	915	14,202	13,622	4.3	48,296	44,733	8.0
Southern (WV)	722	695	751	11,038	10,669	3.5	37,497	34,641	8.2
Wyoming	4,431	4,407	4,551	70,896	71,257	-0.5	248,207	247,842	0.1
<b>Appalachian total</b>	<b>3,092</b>	<b>3,039</b>	<b>3,183</b>	<b>47,705</b>	<b>46,820</b>	<b>1.9</b>	<b>164,047</b>	<b>154,686</b>	<b>6.1</b>
<b>Interior total</b>	<b>2,001</b>	<b>1,945</b>	<b>2,058</b>	<b>29,723</b>	<b>28,075</b>	<b>5.9</b>	<b>102,447</b>	<b>92,435</b>	<b>10.8</b>
<b>Western total</b>	<b>6,120</b>	<b>6,090</b>	<b>6,293</b>	<b>97,975</b>	<b>98,170</b>	<b>-0.2</b>	<b>339,826</b>	<b>339,034</b>	<b>0.2</b>
<b>East of Mississippi River</b>	<b>4,781</b>	<b>4,677</b>	<b>4,903</b>	<b>72,411</b>	<b>70,016</b>	<b>3.4</b>	<b>248,616</b>	<b>229,133</b>	<b>8.5</b>
<b>West of Mississippi River</b>	<b>6,430</b>	<b>6,397</b>	<b>6,631</b>	<b>102,992</b>	<b>103,050</b>	<b>-0.1</b>	<b>357,704</b>	<b>357,022</b>	<b>0.2</b>
Bituminous and lignite	11,161	11,024	11,487	174,582	172,334	1.3	603,674	583,913	3.4
Anthracite	51	50	48	821	732	12.1	2,647	2,242	18.1
<b>U.S. total</b>	<b>11,212</b>	<b>11,074</b>	<b>11,534</b>	<b>175,403</b>	<b>173,065</b>	<b>1.4</b>	<b>606,320</b>	<b>586,155</b>	<b>3.4</b>
Railroad cars loaded	63,196	62,070	65,725	993,318	979,875	1.4	3,492,441	3,408,775	2.5

Source: Energy Information Administration

**EI**

**Weekly Electric Output**

**Volume 91 No. 15**

**OUTPUT FOR WEEK ENDED - Apr 15, 2023**

**Apr 19, 2023**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Apr 15, 2023** was **68,576** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **179** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended April 15		52 Weeks Ended April 15	
	GWh Output	% Increase Over Corresponding Week of 2022	GWh Output	% Increase Over Corresponding Period of 2022
New England	1,766	-3.3	114,001	-2.1
Mid-Atlantic	6,802	0.9	412,096	-2.1
Central Industrial	11,137	-0.8	647,452	-1.4
West Central	5,692	-0.8	339,738	-0.1
Southeast	16,960	-0.3	1,021,097	0.2
South Central	14,166	-2.8	840,045	6.1
Rocky Mountain	4,562	-1.3	296,934	0.5
Pacific Northwest	3,034	-9.3	162,026	1.2
Pacific Southwest	4,457	0.2	275,561	2.2
Total United States	68,576	-1.4	4,108,950	1.0

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

Week Ended	2023	Week Ended	2022	% Inc. (23/22)	52 Weeks Ended	2023	% Inc. (23/22)
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
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
<b>Apr 15</b>	<b>1,123,900</b>	<b>Apr 16</b>	<b>1,157,851</b>	<b>-2.9</b>	<b>YEAR TO DATE, FIRST 15 WEEKS</b>		

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

**SEASONALLY ADJUSTED 1982 = 100**

Week Ended	2023	Week Ended	2022	Week Ended	2021
Mar 25	180	Mar 26	171	Mar 27	161
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

\* 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		
	15-Apr 2023 GWh Output	16-Apr 2022 GWh Output	% Increase Over Corresponding Week	15-Apr 2023 GWh Output	16-Apr 2022 GWh Output	% Increase Over Corresponding Week	15-Apr 2023 GWh Output	16-Apr 2022 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	1,766	1,826	-3.3%	<b>32,274</b>	<b>34,051</b>	<b>-5.2%</b>	114,001	116,499	-2.1%
<b>Mid-Atlantic</b>	6,802	6,741	0.9%	<b>113,938</b>	<b>121,308</b>	<b>-6.1%</b>	412,096	420,916	-2.1%
<b>Central Industrial</b>	11,137	11,226	-0.8%	<b>183,951</b>	<b>194,122</b>	<b>-5.2%</b>	647,452	656,672	-1.4%
<b>West Central</b>	5,692	5,740	-0.8%	<b>94,847</b>	<b>96,943</b>	<b>-2.2%</b>	339,738	339,969	-0.1%
<b>Southeast</b>	16,960	17,012	-0.3%	<b>276,821</b>	<b>292,280</b>	<b>-5.3%</b>	1,021,097	1,019,144	0.2%
<b>South Central</b>	14,166	14,573	-2.8%	<b>217,093</b>	<b>217,585</b>	<b>-0.2%</b>	840,045	791,953	6.1%
<b>Rocky Mountain</b>	4,562	4,622	-1.3%	<b>80,876</b>	<b>80,085</b>	<b>1.0%</b>	296,934	295,310	0.5%
<b>Pacific Northwest</b>	3,034	3,343	-9.2%	<b>52,159</b>	<b>51,494</b>	<b>1.3%</b>	162,026	160,119	1.2%
<b>Pacific Southwest</b>	4,457	4,447	0.2%	<b>71,942</b>	<b>69,982</b>	<b>2.8%</b>	275,561	269,512	2.2%
<b>Total United States<sup>1/</sup></b>	<b>68,576</b>	<b>69,530</b>	<b>-1.4%</b>	<b>1,123,900</b>	<b>1,157,850</b>	<b>-2.9%</b>	4,108,950	4,070,094	1.0%
<b>Coal Regions Only<sup>2/</sup></b>	59,319	59,914	-1.0%	<b>967,525</b>	<b>1,002,323</b>	<b>-3.5%</b>	3,557,362	3,523,964	0.9%

**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 17, 2023

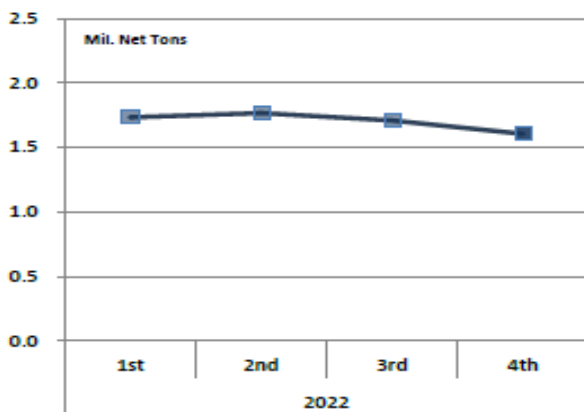
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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 15</u>	<u>Apr 8</u>	
<b><u>Week Ending</u></b>				North East	149	150
				Great Lakes	577	574
April 15, 2023	1,687	0.7	75.0	Midwest	211	206
April 15, 2022	1,788	-5.6	81.9	Southern	692	677
April 8, 2023	1,675	1.0	74.4	Western	<u>58</u>	<u>68</u>
				<b>Total</b>	<b>1,687</b>	<b>1,675</b>
<b><u>Year-to-Date +</u></b>						
April 15, 2023	24,970	-4.4	74.4			
April 15, 2022	26,111	-	80.3			

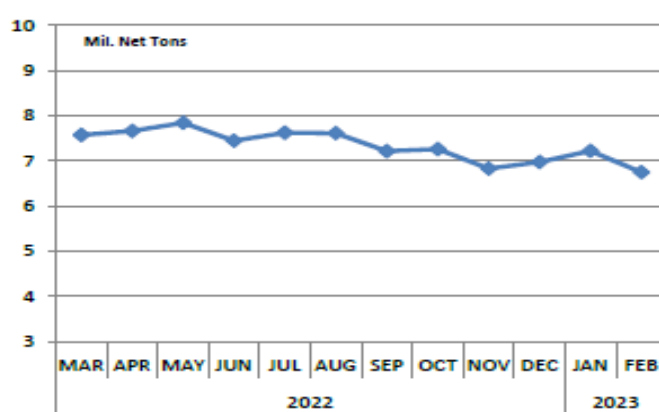
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

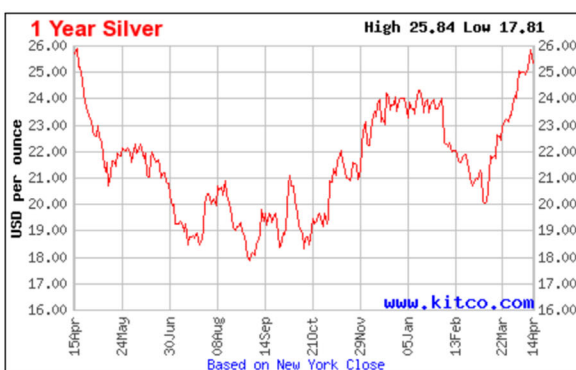
**Average Weekly Raw Steel Production**



**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 15, 2023 – Ended April 15, 2023

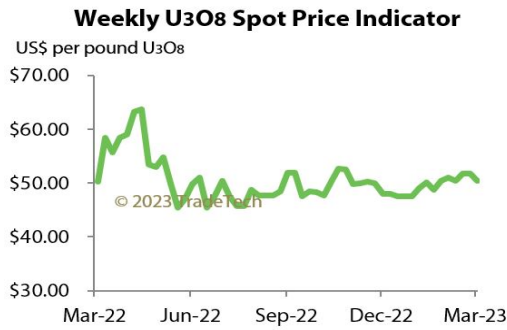
	This Week		Year-To-Date		
	Cars	vs 2022	Cumulative	Avg/wk <sup>2</sup>	vs 2022
<b>Total Carloads</b>	<b>234,066</b>	<b>5.8%</b>	<b>3,453,227</b>	<b>230,215</b>	<b>0.2%</b>
Chemicals	33,206	0.3%	483,907	32,260	-6.6%
Coal	63,196	2.7%	993,318	66,221	1.3%
Farm Products excl. Grain, and Food	16,509	1.8%	253,670	16,911	2.7%
Forest Products	9,311	-2.8%	139,710	9,314	-6.2%
Grain	21,704	11.2%	324,548	21,637	-6.6%
Metallic Ores and Metals	22,835	10.6%	311,949	20,797	2.5%
Motor Vehicles and Parts	14,871	19.3%	210,958	14,064	10.2%
Nonmetallic Minerals	33,677	11.4%	451,827	30,122	4.2%
Petroleum and Petroleum Products	10,043	18.7%	154,983	10,332	12.2%
Other	8,714	-7.1%	128,357	8,557	-5.3%
<b>Total Intermodal Units</b>	<b>234,131</b>	<b>-12.8%</b>	<b>3,483,361</b>	<b>232,224</b>	<b>-10.9%</b>
<b>Total Traffic</b>	<b>468,197</b>	<b>-4.4%</b>	<b>6,936,588</b>	<b>462,439</b>	<b>-5.7%</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.

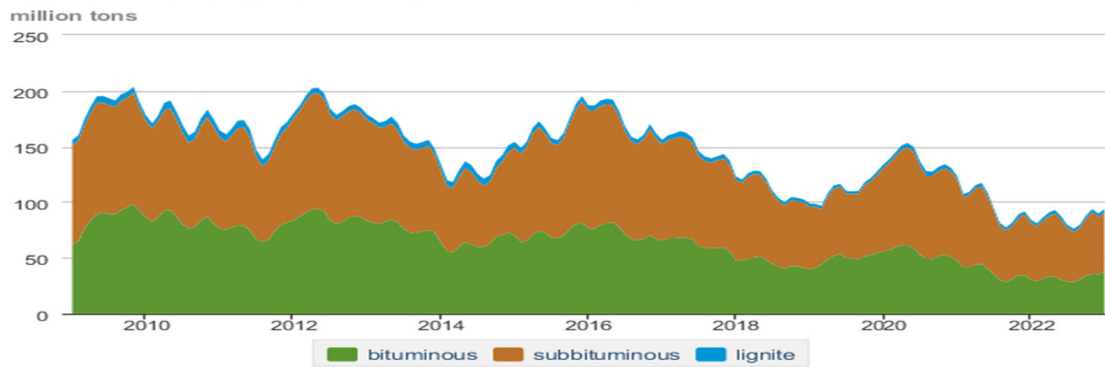
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

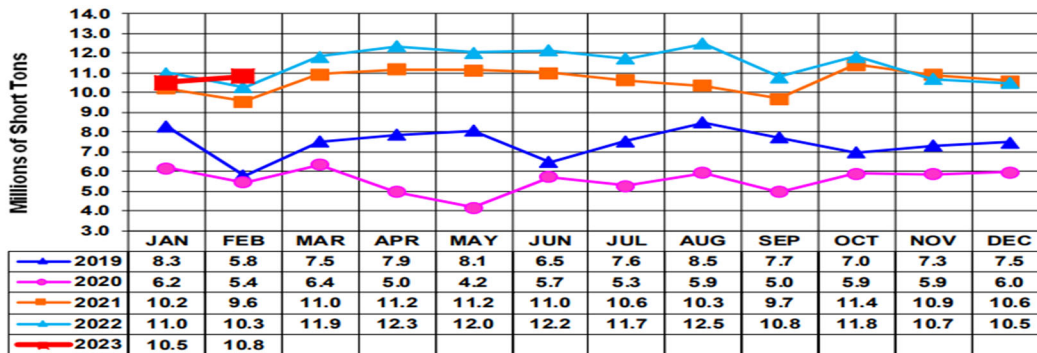
### Coal stocks by type, January 2009 - January 2023



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

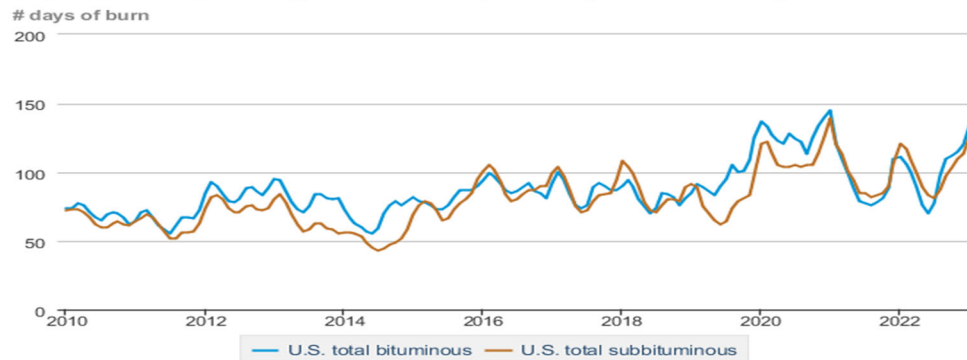
Average weekly coal commodity spot prices  
dollars per short ton

	Week ending					Week ago
	03/17/23	03/24/23	03/31/23	04/07/23	04/14/23	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$88.80	\$88.80	\$91.55	\$94.35	\$94.35	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$80.50	\$80.50	\$83.00	\$85.55	\$85.55	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$78.45	\$78.45	\$78.45	\$78.45	\$78.45	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$14.95	\$14.95	\$14.90	\$14.85	\$14.85	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$37.10	\$37.10	\$36.95	\$36.80	\$36.80	\$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 - 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 Apr 06)

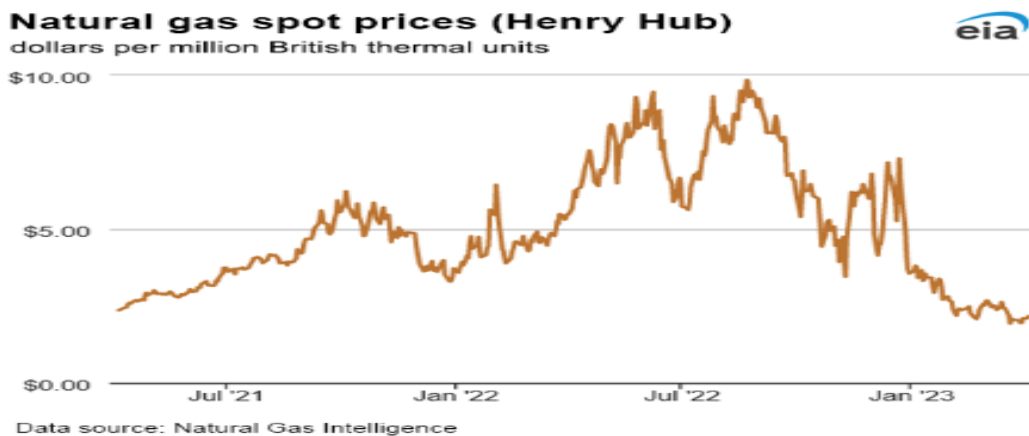
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	149	-12	7	0	0	0
Middle Atlantic	106	-39	-31	0	0	0
E N Central	123	-27	-38	0	0	0
W N Central	151	7	-11	1	0	1
South Atlantic	41	-36	-30	31	18	9
E S Central	37	-35	-40	17	12	15
W S Central	21	-17	-10	36	21	9
Mountain	181	49	61	0	-5	-6
Pacific	127	50	67	0	-2	0
United States	106	-7	-4	11	7	3

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)	4/18/23	\$15.84
Copper Spot Price (\$/lb)	4/19/23	\$4.06
Gold Spot Price (\$/ounce)	4/19/23	\$1,993.81
Lithium Spot Price (\$/kg)	4/19/23	\$26.46
Molybdenum Spot Price (\$/kg)	4/18/23	\$74.00
Nickel Spot Price (\$/lb)	4/18/23	\$11.60
Silver Spot Price (\$/ounce)	4/19/23	\$25.25
Steel HRC Price (\$/mt)	4/19/23	\$1,111.50
Steel Rebar Price (\$/mt)	4/19/23	\$573.02
Zinc Spot Price (\$/lb)	4/19/23	\$1.26
Energy Prices	Date	Price
Coal Price - Australian Premium Coking Coal Futures (\$/mt)	4/18/23	\$158.67
Coal Spot Price - Central Appalachian (\$/st)	4/14/23	\$94.35
Coal Spot Price - Newcastle futures (\$/mt)	4/18/23	\$187.58
Coal Spot Price - Rotterdam futures (\$/mt)	4/18/23	\$137.05
Natural Gas Spot Price - Henry Hub (\$/mmbtu)	4/12/23	\$2.21
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)		
	2023-04-07	2023-03-31	change
East	345	335	10
Midwest	427	421	6
Mountain	80	80	0
Pacific	74	73	1
South Central	929	921	8
Total	1,855	1,830	25

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

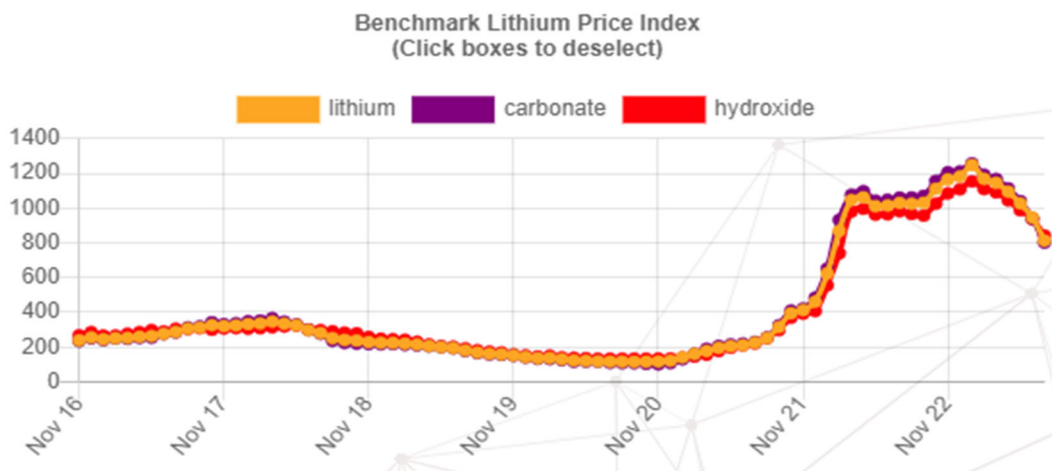
### Cobalt and Lithium Prices

#### 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/>