



# NATIONAL MINING ASSOCIATION

## WEEKLY STATISTICAL SUMMARY

**March 24, 2023 Edition**  
(Data for Week Ending March 18, 2023)

Prepared by  
**National Mining Association**

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# NMA WEEKLY STATISTICAL SUMMARY

Vol. 61, No. 11 | Dated 03/24/23

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/18/23	03/12/22	% Chg	03/18/23	03/18/22	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,858	11,420	3.8%	129,069	127,625	1.1%
52 Weeks Ended	605,864	583,566	3.8%			
<i>Note: the year 2022 has an extra Saturday</i>						
AAR Coal Rail Cars Loaded:	67,912	64,589	5.1%	734,177	721,861	1.7%
Coal Production	Feb 23/22		% Chg	Jan - Feb 23/22		% Chg
Month Ended - February	46,498	47,773	-2.7%	98,353	97,554	0.8%

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

	Jan 23/22		% Chg	Jan - Jan 23/22		% Chg
Coal Exports:						
Metallurgical	4,049	2,945	37.5%	4,049	2,945	37.5%
Steam Bit. *	3,001	2,758	8.8%	3,001	2,758	8.8%
Lignite	8	8	0.0%	8	8	0.0%
Anthracite	87	5	1640.0%	87	5	1640.0%
Total	7,145	5,716	25.0%	7,145	5,716	25.0%
Coal Imports:	479	503	-4.8%	479	503	-4.8%

	Week Ended			Cumulative Week 1 to		
	03/18/23	03/19/22	% Chg	03/18/23	03/19/22	% Chg
EEl Electric Total Output (Mil. Kwh)	74,499	70,813	5.2%	838,595	875,528	-4.2%
EEl Coal Region Output (Mil. Kwh)	64,362	61,083	5.4%	721,193	758,751	-4.9%
AISI Raw Steel Output (000 Tons)	1,686	1,710	-1.4%	18,199	19,104	-4.7%

## EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	03/17/23	03/10/23	% Chg	Wed.	3/15/23
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$88.80	\$128.60	-30.9%	Henry Hub	2.44
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	80.50	97.50	-17.4%	New York	2.27
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	78.45	107.00	-26.7%	Chicago	2.35
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	14.95	15.30	-2.3%	Cal.Comp.Avg.	6.08
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	37.10	37.25	-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

<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		
	3/18/2023 (week 11)	3/11/2023 (week 10)	3/12/2022 (week 11)	3/18/2023	3/18/2022	% Change	3/18/2023	3/12/2022	% Change
Alabama	236	219	198	2,235	2,214	0.9	10,599	9,009	17.6
Alaska	22	19	21	212	234	-9.3	1,011	1,011	s
Colorado	220	240	215	2,904	2,404	20.8	13,467	12,163	10.7
Illinois	872	768	713	8,404	7,972	5.4	39,392	35,288	11.6
Indiana	506	486	405	5,235	4,522	15.8	24,574	19,755	24.4
<b>Kentucky total</b>	<b>579</b>	<b>565</b>	<b>544</b>	<b>6,412</b>	<b>6,084</b>	<b>5.4</b>	<b>29,255</b>	<b>26,861</b>	<b>8.9</b>
Eastern (KY)	246	247	216	2,818	2,418	16.5	12,614	10,590	19.1
Western (KY)	333	318	328	3,595	3,666	-1.9	16,641	16,271	2.3
Louisiana	6	5	5	60	52	15.5	319	303	5.3
Maryland	27	27	24	293	268	9.1	1,398	1,232	13.5
Mississippi	65	67	57	708	634	11.7	3,492	3,139	11.2
Missouri	2	2	1	17	15	10.6	76	43	76.7
Montana	524	518	537	6,129	6,005	2.1	28,820	28,890	-0.2
New Mexico	187	218	213	2,627	2,383	10.3	10,978	9,591	14.5
North Dakota	514	516	549	5,707	6,134	-7.0	26,777	26,602	0.7
Ohio	48	44	55	559	614	-9.0	2,485	2,728	-8.9
Oklahoma	s	s	s	s	s	-10.9	2	1	100.0
<b>Pennsylvania total</b>	<b>832</b>	<b>776</b>	<b>788</b>	<b>8,326</b>	<b>8,805</b>	<b>-5.4</b>	<b>40,006</b>	<b>41,165</b>	<b>-2.8</b>
Anthracite (PA)	52	52	48	604	542	11.6	2,623	2,203	19.1
Bituminous (PA)	780	724	739	7,722	8,264	-6.6	37,383	38,962	-4.1
Tennessee	s	s	.	s	.	100.0	1	.	.
Texas	322	305	314	3,625	3,509	3.3	17,470	17,520	-0.3
Utah	199	186	249	2,312	2,779	-16.8	10,470	12,434	-15.8
Virginia	219	203	203	2,262	2,266	-0.2	11,165	10,877	2.6
<b>West Virginia total</b>	<b>1,711</b>	<b>1,644</b>	<b>1,595</b>	<b>18,523</b>	<b>17,829</b>	<b>3.9</b>	<b>85,554</b>	<b>79,045</b>	<b>8.2</b>
Northern (WV)	933	930	898	10,414	10,033	3.8	48,125	44,593	7.9
Southern (WV)	778	714	698	8,109	7,797	4.0	37,430	34,452	8.6
Wyoming	4,766	4,575	4,734	52,518	52,901	-0.7	248,553	245,908	1.1
<b>Appalachian total</b>	<b>3,319</b>	<b>3,160</b>	<b>3,080</b>	<b>35,016</b>	<b>34,415</b>	<b>1.7</b>	<b>163,822</b>	<b>154,646</b>	<b>5.9</b>
<b>Interior total</b>	<b>2,106</b>	<b>1,951</b>	<b>1,823</b>	<b>21,644</b>	<b>20,370</b>	<b>6.3</b>	<b>101,966</b>	<b>92,320</b>	<b>10.4</b>
<b>Western total</b>	<b>6,432</b>	<b>6,272</b>	<b>6,518</b>	<b>72,409</b>	<b>72,840</b>	<b>-0.6</b>	<b>340,076</b>	<b>336,600</b>	<b>1.0</b>
<b>East of Mississippi River</b>	<b>5,096</b>	<b>4,800</b>	<b>4,582</b>	<b>52,958</b>	<b>51,208</b>	<b>3.4</b>	<b>247,922</b>	<b>229,099</b>	<b>8.2</b>
<b>West of Mississippi River</b>	<b>6,762</b>	<b>6,583</b>	<b>6,838</b>	<b>76,111</b>	<b>76,416</b>	<b>-0.4</b>	<b>357,943</b>	<b>354,467</b>	<b>1.0</b>
Bituminous and lignite	11,805	11,331	11,372	128,465	127,083	1.1	603,241	581,363	3.8
Anthracite	52	52	48	604	542	11.6	2,623	2,203	19.1
<b>U.S. total</b>	<b>11,858</b>	<b>11,383</b>	<b>11,420</b>	<b>129,069</b>	<b>127,625</b>	<b>1.1</b>	<b>605,864</b>	<b>583,566</b>	<b>3.8</b>
Railroad cars loaded	67,912	64,926	64,589	734,177	721,861	1.7	3,493,390	3,391,773	3.0

Source: Energy Information Administration



**Weekly Electric Output**

**Volume 91 No. 11**

**OUTPUT FOR WEEK ENDED - Mar 18, 2023**

**Mar 22, 2023**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Mar 18, 2023** was **74,499** 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 March 18		52 Weeks Ended March 18	
	GWh Output	% Increase Over Corresponding Week of 2022	GWh Output	% Increase Over Corresponding Period of 2022
New England	2,088	3.7	114,269	-1.7
Mid-Atlantic	7,652	6.1	412,864	-1.6
Central Industrial	12,671	8.0	648,427	-0.8
West Central	6,440	6.4	339,718	0.4
Southeast	18,658	4.8	1,018,960	0.2
South Central	13,974	5.0	837,691	6.2
Rocky Mountain	4,967	-0.1	296,940	0.6
Pacific Northwest	3,373	4.9	161,777	1.2
Pacific Southwest	4,676	3.9	275,323	2.2
<b>Total United States</b>	<b>74,499</b>	<b>5.2</b>	<b>4,105,969</b>	<b>1.2</b>

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

Week Ended	2023	Week Ended	2022	% Inc. (23/22)	52 Weeks Ended	2023	% Inc. (23/22)
Feb 25	74,362	Feb 26	79,110	-6.0	Feb 25	4,103,105	1.3
Mar 04	74,916	Mar 05	74,439	0.6	Mar 04	4,103,582	1.3
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
<b>Mar 18</b>	<b>838,595</b>	<b>Mar 19</b>	<b>875,528</b>	<b>-4.2</b>	<b>YEAR TO DATE, FIRST 11 WEEKS</b>		

**WEEKLY ELECTRIC OUTPUT INDEX--TOTAL U.S.\*  
SEASONALLY ADJUSTED 1982 = 100**

Week Ended	2023	Week Ended	2022	Week Ended	2021
Feb 25	178	Feb 26	181	Feb 27	169
Mar 04	170	Mar 05	171	Mar 06	169
Mar 11	168	Mar 12	182	Mar 13	169
Mar 18	179	Mar 19	173	Mar 20	171

\* 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		
	18-Mar 2023 GWh Output	19-Mar 2022 GWh Output	% Increase Over Corresponding Week	18-Mar 2023 GWh Output	19-Mar 2022 GWh Output	% Increase Over Corresponding Week	18-Mar 2023 GWh Output	19-Mar 2022 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	2,088	2,014	3.7%	<b>24,693</b>	<b>26,203</b>	<b>-5.8%</b>	114,269	116,290	-1.7%
<b>Mid-Atlantic</b>	7,652	7,214	6.1%	<b>86,168</b>	<b>92,769</b>	<b>-7.1%</b>	412,864	419,398	-1.6%
<b>Central Industrial</b>	12,671	11,730	8.0%	<b>137,813</b>	<b>147,010</b>	<b>-6.3%</b>	648,427	653,664	-0.8%
<b>West Central</b>	6,440	6,050	6.4%	<b>71,102</b>	<b>73,219</b>	<b>-2.9%</b>	339,718	338,476	0.4%
<b>Southeast</b>	18,658	17,805	4.8%	<b>205,192</b>	<b>222,788</b>	<b>-7.9%</b>	1,018,960	1,016,932	0.2%
<b>South Central</b>	13,974	13,313	5.0%	<b>159,350</b>	<b>162,195</b>	<b>-1.8%</b>	837,691	788,786	6.2%
<b>Rocky Mountain</b>	4,967	4,971	-0.1%	<b>61,568</b>	<b>60,770</b>	<b>1.3%</b>	296,940	295,118	0.6%
<b>Pacific Northwest</b>	3,373	3,214	4.9%	<b>39,253</b>	<b>38,838</b>	<b>1.1%</b>	161,777	159,809	1.2%
<b>Pacific Southwest</b>	4,676	4,502	3.9%	<b>53,456</b>	<b>51,735</b>	<b>3.3%</b>	275,323	269,277	2.2%
<b>Total United States <sup>1/</sup></b>	<b>74,499</b>	<b>70,813</b>	<b>5.2%</b>	<b>838,595</b>	<b>875,527</b>	<b>-4.2%</b>	<b>4,105,969</b>	<b>4,057,750</b>	<b>1.2%</b>
<b>Coal Regions Only <sup>2/</sup></b>	64,362	61,083	5.4%	<b>721,193</b>	<b>758,751</b>	<b>-4.9%</b>	3,554,600	3,512,374	1.2%

**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

March 20, 2023

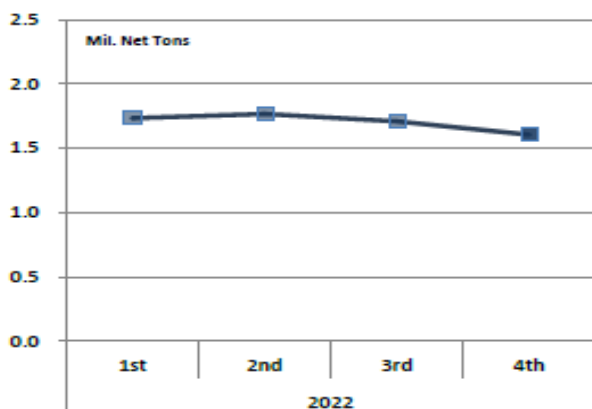
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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 Mar 18</u>	<u>Mar 11</u>	
<b><u>Week Ending</u></b>				North East	149	148
				Great Lakes	557	547
March 18, 2023	1,686	0.5	75.4	Midwest	207	210
March 18, 2022	1,710	-1.4	78.7	Southern	713	704
March 11, 2023	1,677	0.8	75.0	Western	<u>60</u>	<u>68</u>
				Total	1,686	1,677
<b><u>Year-to-Date +</u></b>						
March 18, 2023	18,199	-4.7	74.0			
March 18, 2022	19,104	-	79.7			

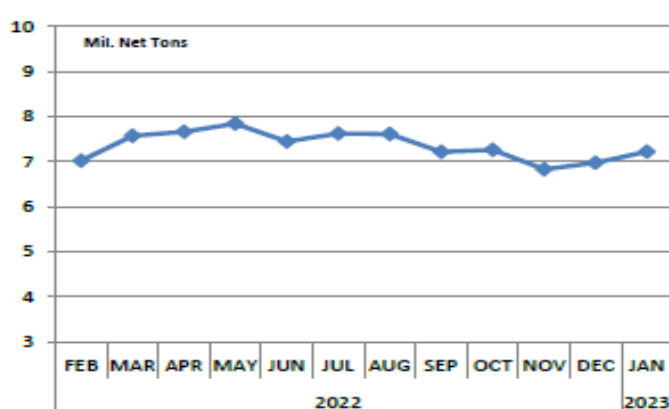
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

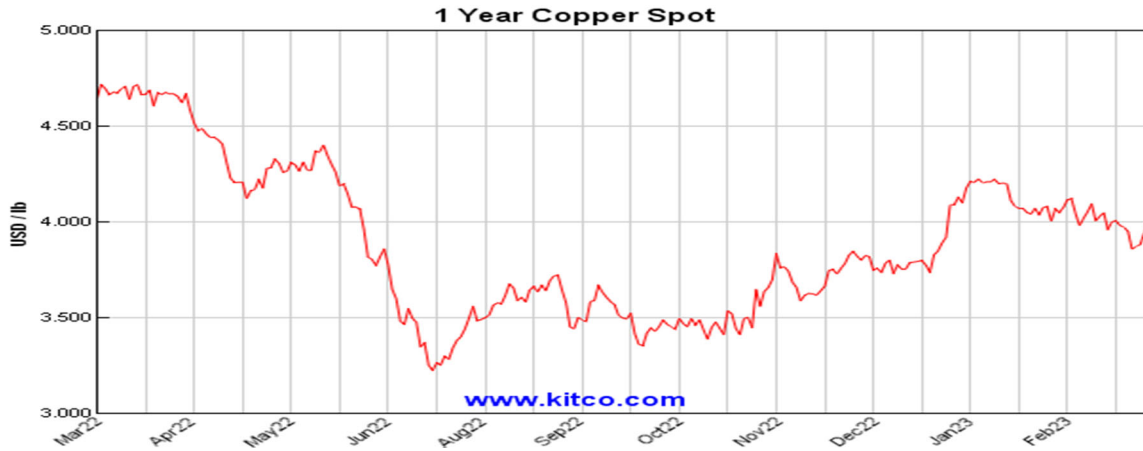
**Average Weekly Raw Steel Production**



**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 11, 2023 – Ended March 18, 2023**

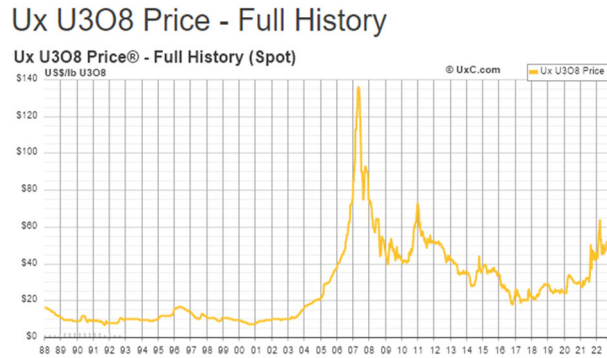
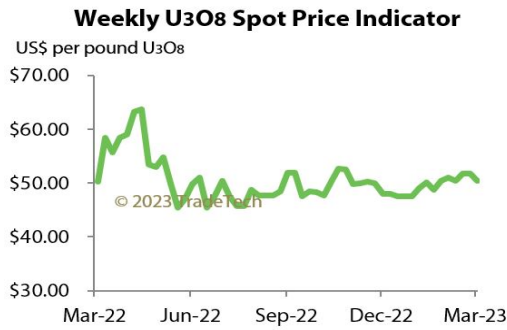
	This Week		Year-To-Date		
	Cars	vs 2022	Cumulative	Avg/wk <sup>2</sup>	vs 2022
<b>Total Carloads</b>	<b>227,454</b>	<b>-2.7%</b>	<b>2,523,553</b>	<b>229,414</b>	<b>-0.3%</b>
Chemicals	32,175	-5.8%	352,779	32,071	-7.2%
Coal	67,912	4.4%	734,177	66,743	0.2%
Farm Products excl. Grain, and Food	16,847	-1.6%	186,681	16,971	3.5%
Forest Products	9,594	-5.8%	102,192	9,290	-7.0%
Grain	18,743	-19.1%	242,222	22,020	-6.4%
Metallic Ores and Metals	20,534	1.9%	222,637	20,240	0.5%
Motor Vehicles and Parts	15,091	8.2%	151,659	13,787	10.3%
Nonmetallic Minerals	29,265	-6.1%	324,357	29,487	5.2%
Petroleum and Petroleum Products	9,124	-0.6%	114,428	10,403	11.0%
Other	8,169	-15.6%	92,421	8,402	-6.6%
<b>Total Intermodal Units</b>	<b>226,046</b>	<b>-15.2%</b>	<b>2,556,114</b>	<b>232,374</b>	<b>-9.6%</b>
<b>Total Traffic</b>	<b>453,500</b>	<b>-9.4%</b>	<b>5,079,667</b>	<b>461,788</b>	<b>-5.2%</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.

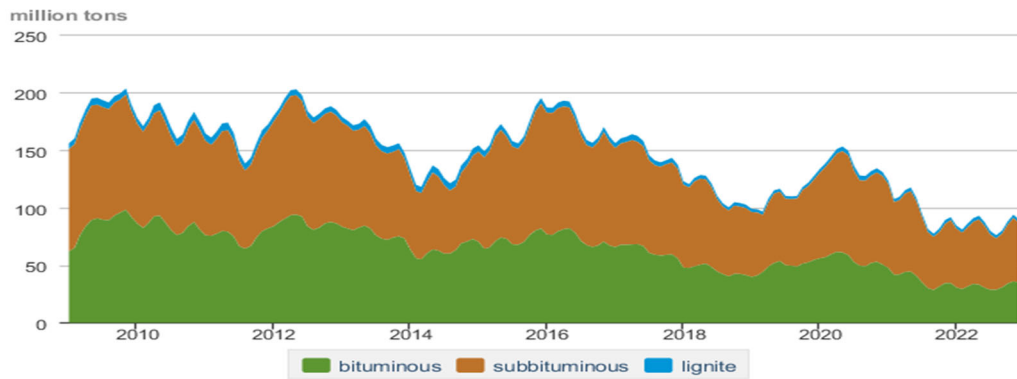
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

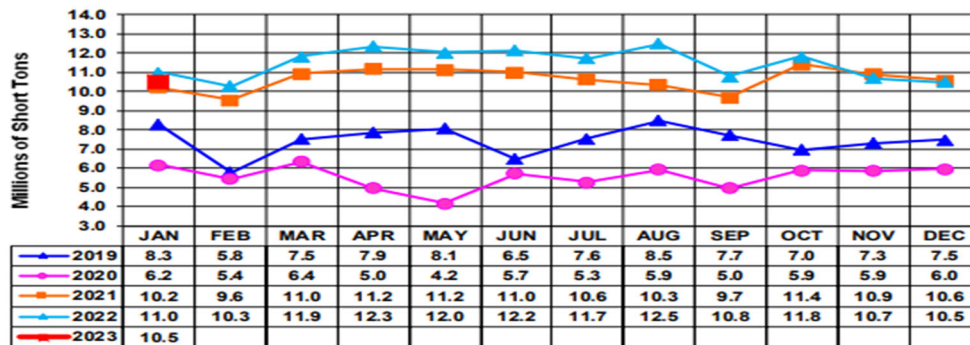
### Coal stocks by type, January 2009 - December 2022



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.

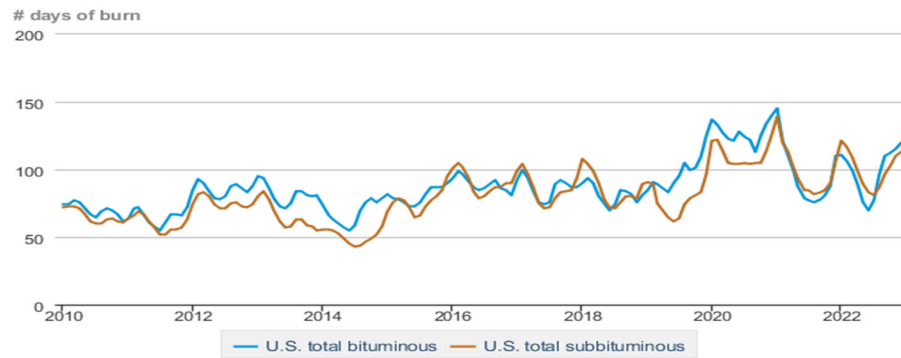
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices  
dollars per short ton

	Week ending					Week ago
	02/17/23	02/24/23	03/03/23	03/10/23	03/17/23	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$135.70	\$135.70	\$128.60	\$128.60	\$88.80	\$-39.80
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$100.75	\$100.75	\$97.50	\$97.50	\$80.50	\$-17.00
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$123.75	\$123.75	\$107.00	\$107.00	\$78.45	\$-28.55
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$15.50	\$15.50	\$15.30	\$15.30	\$14.95	\$-0.35
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$37.40	\$37.40	\$37.25	\$37.25	\$37.10	\$-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 - December 2022



 Data source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Mar 09)

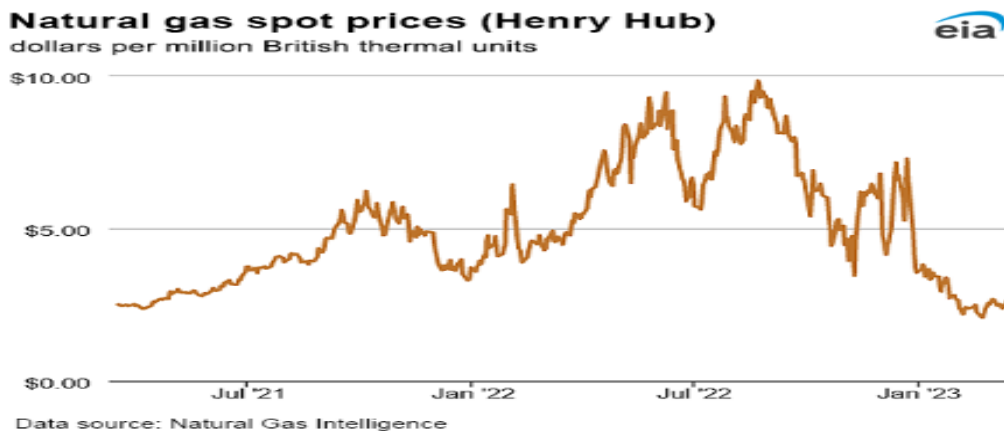
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	200	-22	-7	0	0	0
Middle Atlantic	187	-22	6	0	0	0
E N Central	184	-37	-9	0	-1	0
W N Central	202	-19	-25	0	-1	0
South Atlantic	88	-40	14	20	10	1
E S Central	66	-56	-1	2	-1	-1
W S Central	38	-38	-34	18	9	5
Mountain	210	38	8	0	-1	-1
Pacific	151	56	35	0	-1	0
United States	153	-12	1	6	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	December 2022		December 2021		% Change of Stocks	November 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,521	365	2,851	365	-11.6%	2,579	365	-2.3%
	Subbituminous								
South	Bituminous	15,741	124	14,515	114	8.4%	16,264	122	-3.2%
	Subbituminous	3,663	59	3,921	68	-6.6%	3,708	65	-1.2%
Midwest	Bituminous	8,608	89	7,700	77	11.8%	8,395	84	2.5%
	Subbituminous	22,997	141	20,064	119	14.6%	23,752	140	-3.2%
West	Bituminous	2,131	153	2,051	126	3.9%	2,385	157	-10.6%
	Subbituminous	18,658	107	18,838	105	-1.0%	19,245	106	-3.1%
U.S. Total	Bituminous	29,000	120	27,117	110	6.9%	29,624	115	-2.1%
	Subbituminous	45,317	113	42,822	106	5.8%	46,705	110	-3.0%

Source: Energy Information Administration, *Electricity Monthly Update*

## Mining-Related Commodity Prices

Commodity Price - Snapshot			
Metals Prices		Date	Price
Cobalt Spot Price (\$/lb)		3/20/23	\$15.50
Copper Spot Price (\$/lb)		3/21/23	\$4.02
Gold Spot Price (\$/ounce)		3/21/23	\$1,965.95
Lithium Spot Price (\$/kg)		3/21/23	\$43.56
Molybdenum Spot Price (\$/kg)		3/20/23	\$90.50
Nickel Spot Price (\$/lb)		3/20/23	\$10.23
Silver Spot Price (\$/ounce)		3/21/23	\$22.46
Steel HRC Price (\$/mt)		3/21/23	\$1,218.80
Steel Rebar Price (\$/mt)		3/21/23	\$609.24
Zinc Spot Price (\$/lb)		3/21/23	\$1.29
Energy Prices		Date	Price
Coal Price - Australian Premium Coking Coal Futures (\$/mt)		3/21/23	\$323.50
Coal Spot Price - Central Appalachian (\$/st)		3/17/23	\$88.80
Coal Spot Price - Newcastle futures (\$/mt)		3/21/23	\$174.10
Coal Spot Price - Rotterdam futures (\$/mt)		3/21/23	\$139.00
Natural Gas Spot Price - Henry Hub (\$/mmbtu)		3/15/23	\$2.44
Uranium Spot Price (\$/lb)		3/21/23	\$50.20

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)		
	2023-03-10	2023-03-03	change
East	391	416	-25
Midwest	490	515	-25
Mountain	87	92	-5
Pacific	72	81	-9
South Central	933	925	8
Total	1,972	2,030	-58

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	Dec-22	Year to Date
U.S. Imports for Consumption - Metals (mt)	678	7,210
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	460	5,320
Reported Stocks of Cobalt Metal (mt)	U.S. Govt	LME
	302	165
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	20.61	23.24

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

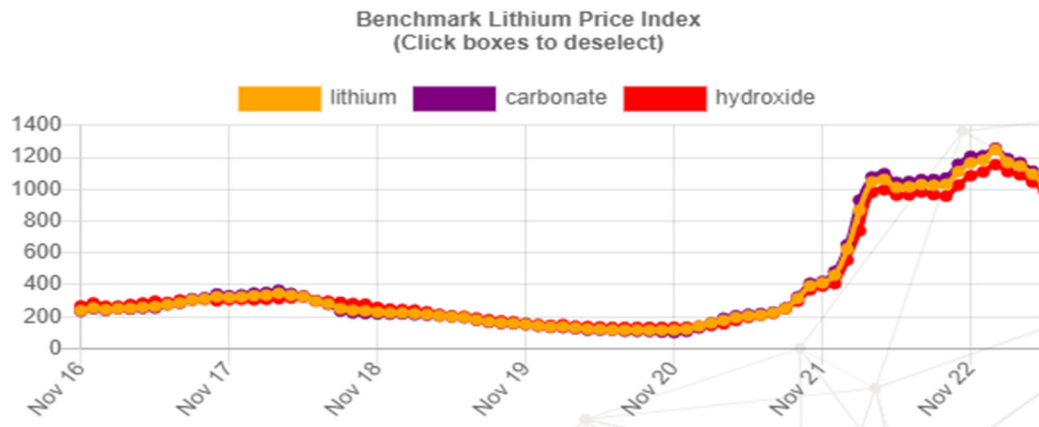
### Cobalt and Lithium Prices

#### 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/>