



# NATIONAL MINING ASSOCIATION

## WEEKLY STATISTICAL SUMMARY

**March 31, 2023 Edition**  
(Data for Week Ending March 25, 2023)

Prepared by  
**National Mining Association**

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# NMA WEEKLY STATISTICAL SUMMARY

Vol. 61, No. 12 | Dated 03/31/23

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	03/25/23	03/19/22	% Chg	03/25/23	03/25/22	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	12,066	11,304	6.7%	141,380	139,324	1.5%
52 Weeks Ended	606,871	583,902	3.9%			
<i>Note: the year 2022 has an extra Saturday</i>						
AAR Coal Rail Cars Loaded:	68,248	63,929	6.8%	802,425	788,027	1.8%
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		
	03/25/23	03/26/22	% Chg	03/25/23	03/26/22	% Chg
EEl Electric Total Output (Mil. Kwh)	74,307	70,186	5.9%	912,902	945,714	-3.5%
EEl Coal Region Output (Mil. Kwh)	64,175	60,352	6.3%	785,368	819,103	-4.1%
AISI Raw Steel Output (000 Tons)	1,679	1,710	-1.8%	19,878	20,814	-4.5%

## EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	03/24/23	03/17/23	% Chg	Wed.	3/22/23
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$88.80	\$88.80	0.0%	Henry Hub	2.04
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	80.50	80.50	0.0%	New York	1.83
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	78.45	78.45	0.0%	Chicago	2.16
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	14.95	14.95	0.0%	Cal.Comp.Avg.	5.53
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	37.10	37.10	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

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

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	3/25/2023 (week 12)	3/18/2023 (week 11)	3/19/2022 (week 12)	3/25/2023	3/25/2022	% Change	3/25/2023	3/19/2022	% Change
Alabama	224	227	196	2,448	2,417	1.3	10,616	8,962	18.5
Alaska	21	21	21	232	255	-9.3	1,009	1,008	0.1
Colorado	265	253	213	3,224	2,624	22.8	13,575	12,187	11.4
Illinois	819	867	706	9,221	8,703	5.9	39,503	35,118	12.5
Indiana	502	497	400	5,735	4,936	16.2	24,673	19,774	24.8
<b>Kentucky total</b>	<b>598</b>	<b>595</b>	<b>539</b>	<b>7,033</b>	<b>6,641</b>	<b>5.9</b>	<b>29,337</b>	<b>26,891</b>	<b>9.1</b>
Eastern (KY)	259	255	214	3,092	2,639	17.2	12,674	10,630	19.2
Western (KY)	339	340	325	3,941	4,002	-1.5	16,663	16,261	2.5
Louisiana	6	5	5	66	57	16.0	320	303	5.6
Maryland	28	28	24	323	293	10.4	1,405	1,229	14.3
Mississippi	67	66	56	777	692	12.4	3,505	3,131	11.9
Missouri	2	2	1	18	16	11.0	77	43	79.1
Montana	566	559	532	6,752	6,556	3.0	28,911	28,908	s
New Mexico	238	232	211	2,918	2,601	12.2	11,057	9,618	15.0
North Dakota	536	521	543	6,254	6,696	-6.6	26,781	26,598	0.7
Ohio	52	52	54	619	671	-7.6	2,490	2,724	-8.6
Oklahoma	s	s	s	s	s	-11.9	2	1	100.0
<b>Pennsylvania total</b>	<b>799</b>	<b>798</b>	<b>780</b>	<b>9,071</b>	<b>9,613</b>	<b>-5.6</b>	<b>39,971</b>	<b>41,023</b>	<b>-2.6</b>
Anthracite (PA)	56	56	48	665	591	12.6	2,637	2,210	19.3
Bituminous (PA)	743	742	732	8,405	9,021	-6.8	37,334	38,813	-3.8
Tennessee	s	s	.	s	.	100.0	1	.	.
Texas	337	331	311	3,983	3,830	4.0	17,518	17,539	-0.1
Utah	211	216	246	2,540	3,034	-16.3	10,452	12,429	-15.9
Virginia	215	214	201	2,471	2,474	-0.1	11,174	10,870	2.8
<b>West Virginia total</b>	<b>1,744</b>	<b>1,756</b>	<b>1,579</b>	<b>20,321</b>	<b>19,464</b>	<b>4.4</b>	<b>85,773</b>	<b>79,049</b>	<b>8.5</b>
Northern (WV)	982	978	889	11,442	10,953	4.5	48,264	44,585	8.3
Southern (WV)	762	777	691	8,879	8,511	4.3	37,508	34,464	8.8
Wyoming	4,837	4,767	4,685	57,373	57,751	-0.7	248,723	246,498	0.9
<b>Appalachian total</b>	<b>3,321</b>	<b>3,331</b>	<b>3,048</b>	<b>38,345</b>	<b>37,570</b>	<b>2.1</b>	<b>164,104</b>	<b>154,486</b>	<b>6.2</b>
<b>Interior total</b>	<b>2,071</b>	<b>2,107</b>	<b>1,804</b>	<b>23,742</b>	<b>22,237</b>	<b>6.8</b>	<b>102,260</b>	<b>92,170</b>	<b>10.9</b>
<b>Western total</b>	<b>6,673</b>	<b>6,569</b>	<b>6,451</b>	<b>79,293</b>	<b>79,518</b>	<b>-0.3</b>	<b>340,508</b>	<b>337,245</b>	<b>1.0</b>
<b>East of Mississippi River</b>	<b>5,048</b>	<b>5,100</b>	<b>4,535</b>	<b>58,019</b>	<b>55,903</b>	<b>3.8</b>	<b>248,447</b>	<b>228,771</b>	<b>8.6</b>
<b>West of Mississippi River</b>	<b>7,018</b>	<b>6,906</b>	<b>6,768</b>	<b>83,361</b>	<b>83,422</b>	<b>-0.1</b>	<b>358,424</b>	<b>355,131</b>	<b>0.9</b>
Bituminous and lignite	12,010	11,951	11,256	140,714	138,733	1.4	604,235	581,692	3.9
Anthracite	56	56	48	665	591	12.6	2,637	2,210	19.3
<b>U.S. total</b>	<b>12,066</b>	<b>12,007</b>	<b>11,304</b>	<b>141,380</b>	<b>139,324</b>	<b>1.5</b>	<b>606,871</b>	<b>583,902</b>	<b>3.9</b>
Railroad cars loaded	68,248	67,912	63,929	802,425	788,027	1.8	3,497,709	3,395,886	3.0

Source: Energy Information Administration



# Weekly Electric Output

Volume 91 No. 12

**OUTPUT FOR WEEK ENDED - Mar 25, 2023**

Mar 29, 2023

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, Mar 25, 2023 was 74,307 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 180 on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended March 25		52 Weeks Ended March 25	
	GWh Output	% Increase Over Corresponding Week of 2022	GWh Output	% Increase Over Corresponding Period of 2022
New England	1,985	0.6	114,280	-1.8
Mid-Atlantic	7,287	3.8	413,132	-1.5
Central Industrial	12,120	3.6	648,846	-0.9
West Central	6,233	2.7	339,883	0.3
Southeast	18,880	8.9	1,020,503	0.3
South Central	14,730	10.2	839,059	6.3
Rocky Mountain	4,925	1.3	297,002	0.6
Pacific Northwest	3,391	3.1	161,879	1.3
Pacific Southwest	4,756	4.1	275,509	2.3
Total United States	74,307	5.9	4,110,090	1.2

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

Week Ended	2023	Week Ended	2022	% Inc. (23/22)	52 Weeks Ended	2023	% Inc. (23/22)
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
Mar 25	74,307	Mar 26	70,186	5.9	Mar 25	4,110,090	1.2
<b>Mar 25</b>	<b>912,902</b>	<b>Mar 26</b>	<b>945,714</b>	<b>-3.5</b>	<b>YEAR TO DATE, FIRST 12 WEEKS</b>		

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

**SEASONALLY ADJUSTED 1982 = 100**

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

\* 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		
	25-Mar 2023 GWh Output	26-Mar 2022 GWh Output	% Increase Over Corresponding Week	25-Mar 2023 GWh Output	26-Mar 2022 GWh Output	% Increase Over Corresponding Week	25-Mar 2023 GWh Output	26-Mar 2022 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	1,985	1,974	0.6%	<b>26,678</b>	<b>28,177</b>	<b>-5.3%</b>	114,280	116,368	-1.8%
<b>Mid-Atlantic</b>	7,287	7,019	3.8%	<b>93,455</b>	<b>99,788</b>	<b>-6.3%</b>	413,132	419,629	-1.5%
<b>Central Industrial</b>	12,120	11,701	3.6%	<b>149,933</b>	<b>158,711</b>	<b>-5.5%</b>	648,846	654,498	-0.9%
<b>West Central</b>	6,233	6,068	2.7%	<b>77,335</b>	<b>79,287</b>	<b>-2.5%</b>	339,883	338,933	0.3%
<b>Southeast</b>	18,880	17,338	8.9%	<b>224,072</b>	<b>240,126</b>	<b>-6.7%</b>	1,020,503	1,017,207	0.3%
<b>South Central</b>	14,730	13,363	10.2%	<b>174,080</b>	<b>175,558</b>	<b>-0.8%</b>	839,059	789,359	6.3%
<b>Rocky Mountain</b>	4,925	4,863	1.3%	<b>66,493</b>	<b>65,633</b>	<b>1.3%</b>	297,002	295,166	0.6%
<b>Pacific Northwest</b>	3,391	3,290	3.1%	<b>42,644</b>	<b>42,128</b>	<b>1.2%</b>	161,879	159,785	1.3%
<b>Pacific Southwest</b>	4,756	4,570	4.1%	<b>58,212</b>	<b>56,305</b>	<b>3.4%</b>	275,509	269,396	2.3%
<b>Total United States <sup>1/</sup></b>	<b>74,307</b>	<b>70,186</b>	<b>5.9%</b>	<b>912,902</b>	<b>945,713</b>	<b>-3.5%</b>	<b>4,110,091</b>	<b>4,060,341</b>	<b>1.2%</b>
<b>Coal Regions Only <sup>2/</sup></b>	64,175	60,352	6.3%	<b>785,368</b>	<b>819,103</b>	<b>-4.1%</b>	3,558,424	3,514,792	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  
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March 27, 2023

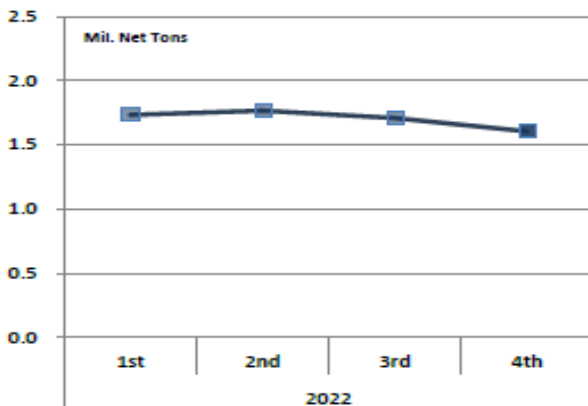
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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>Week Ending</u>	
				<u>Mar 25</u>	<u>Mar 18</u>	
<b><u>Week Ending</u></b>				North East	150	149
				Great Lakes	561	557
March 25, 2023	1,679	0.4	75.1	Midwest	211	207
March 25, 2022	1,710	-1.8	78.7	Southern	698	713
March 18, 2023	1,686	0.5	75.4	Western	<u>59</u>	<u>60</u>
				<b>Total</b>	<b>1,679</b>	<b>1,686</b>
<b><u>Year-to-Date +</u></b>						
March 25, 2023	19,878	-4.5	74.1			
March 25, 2022	20,814	-	79.7			

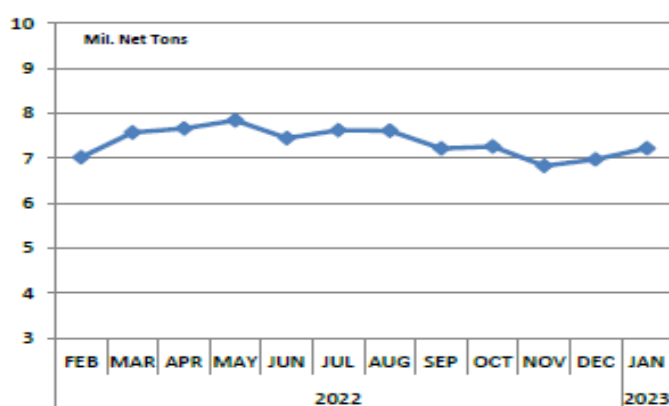
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

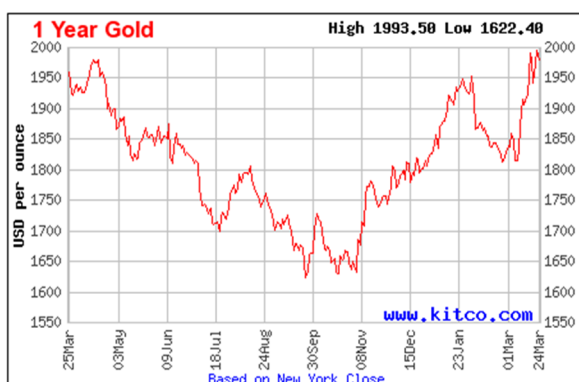
**Average Weekly Raw Steel Production**



**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 12, 2023 – Ended March 25, 2023**

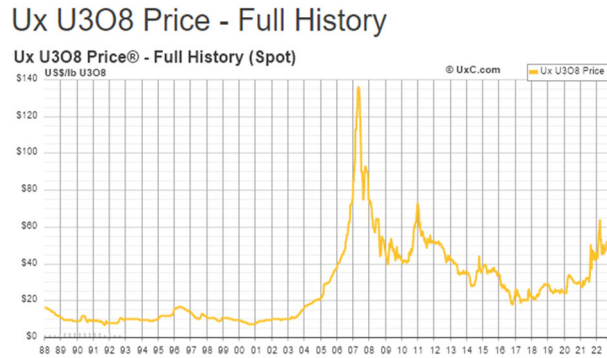
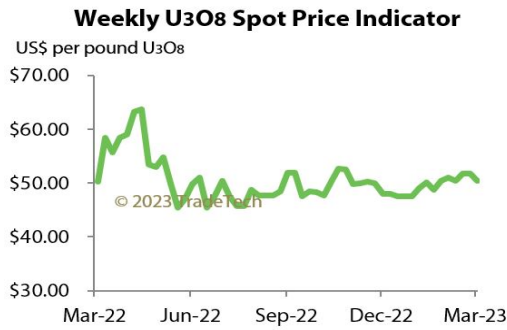
	This Week		Year-To-Date		
	Cars	vs 2022	Cumulative	Avg/wk <sup>2</sup>	vs 2022
<b>Total Carloads</b>	<b>236,526</b>	<b>-0.2%</b>	<b>2,760,079</b>	<b>230,007</b>	<b>-0.3%</b>
Chemicals	33,050	-3.5%	385,829	32,152	-6.9%
Coal	68,248	-2.5%	802,425	66,869	0.0%
Farm Products excl. Grain, and Food	17,668	5.9%	204,349	17,029	3.7%
Forest Products	9,628	-2.0%	111,820	9,318	-6.6%
Grain	19,889	-11.8%	262,111	21,843	-6.9%
Metallic Ores and Metals	21,807	6.4%	244,444	20,370	1.0%
Motor Vehicles and Parts	15,223	6.1%	166,882	13,907	9.9%
Nonmetallic Minerals	30,968	0.0%	355,325	29,610	4.7%
Petroleum and Petroleum Products	10,524	21.9%	124,952	10,413	11.8%
Other	9,521	2.4%	101,942	8,495	-5.8%
<b>Total Intermodal Units</b>	<b>233,432</b>	<b>-13.9%</b>	<b>2,789,546</b>	<b>232,462</b>	<b>-10.0%</b>
<b>Total Traffic</b>	<b>469,958</b>	<b>-7.5%</b>	<b>5,549,625</b>	<b>462,469</b>	<b>-5.4%</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.

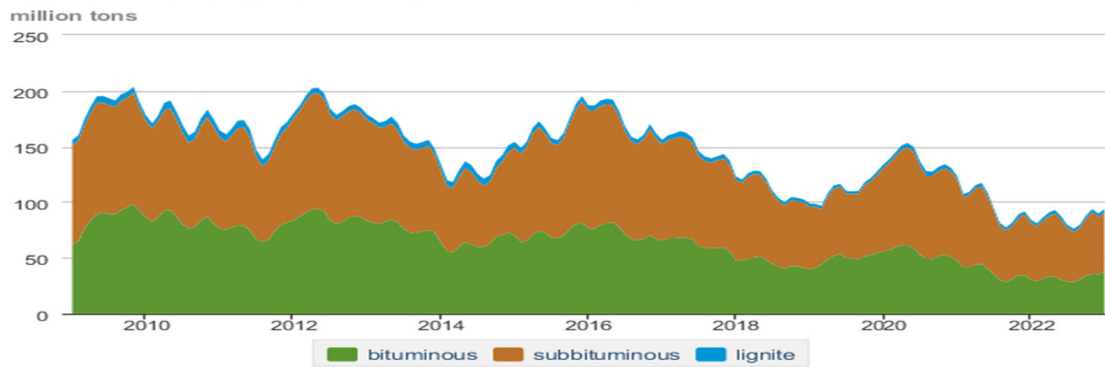
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

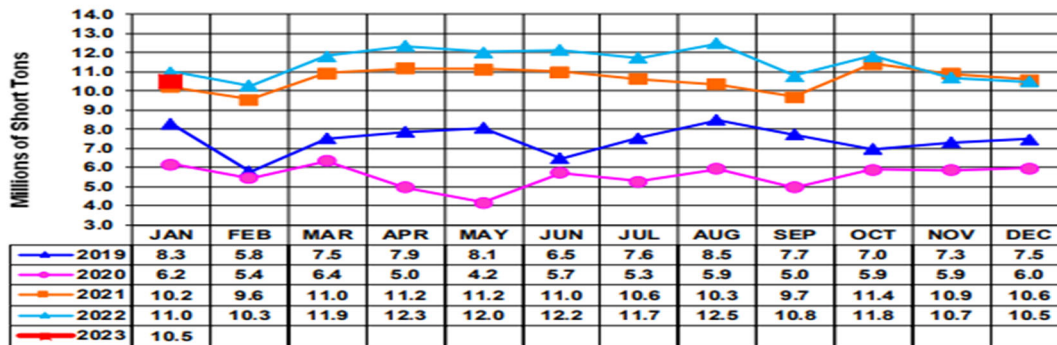
### Coal stocks by type, January 2009 - January 2023



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.

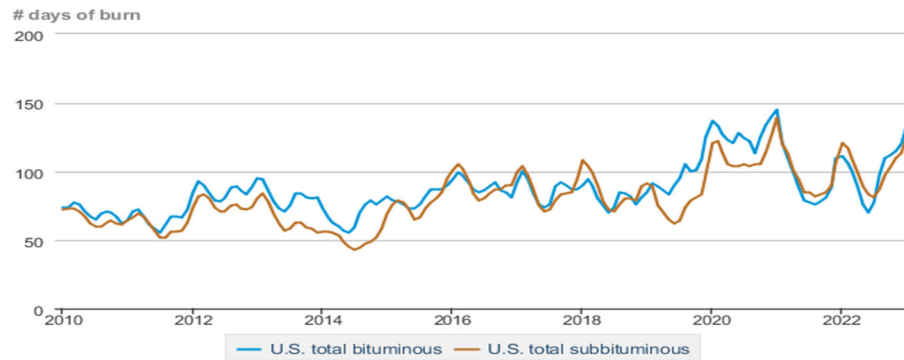
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices  
dollars per short ton

	Week ending					Week ago
	02/24/23	03/03/23	03/10/23	03/17/23	03/24/23	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$135.70	\$128.60	\$128.60	\$88.80	\$88.80	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$100.75	\$97.50	\$97.50	\$80.50	\$80.50	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$123.75	\$107.00	\$107.00	\$78.45	\$78.45	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$15.50	\$15.30	\$15.30	\$14.95	\$14.95	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$37.40	\$37.25	\$37.25	\$37.10	\$37.10	\$0.00

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 Mar 16)

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	199	-9	12	0	0	0
Middle Atlantic	204	11	24	0	0	0
E N Central	224	21	16	0	0	0
W N Central	232	29	2	0	-1	0
South Atlantic	143	28	19	9	-2	-3
E S Central	138	29	8	0	-4	0
W S Central	63	-4	-34	12	1	8
Mountain	169	7	-17	0	-1	-1
Pacific	106	15	22	0	-1	0
United States	168	16	9	3	-1	0

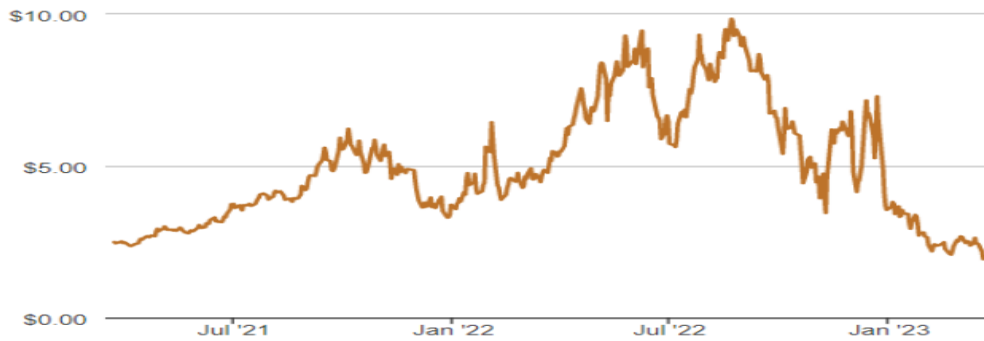
Data source: National Oceanic and Atmospheric Administration  
Note: HDDs=heating degree days; CDDs=cooling degree days

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

**Natural gas spot prices (Henry Hub)**  
dollars per million British thermal units



Data source: Natural Gas Intelligence

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)	3/28/23	\$15.61
Copper Spot Price (\$/lb)	3/29/23	\$4.08
Gold Spot Price (\$/ounce)	3/29/23	\$1,969.13
Lithium Spot Price (\$/kg)	3/29/23	\$37.84
Molybdenum Spot Price (\$/kg)	3/28/23	\$74.00
Nickel Spot Price (\$/lb)	3/28/23	\$10.84
Silver Spot Price (\$/ounce)	3/29/23	\$23.38
Steel HRC Price (\$/mt)	3/29/23	\$1,117.60
Steel Rebar Price (\$/mt)	3/29/23	\$602.10
Zinc Spot Price (\$/lb)	3/29/23	\$1.34
Energy Prices		
	Date	Price
Coal Price - Australian Premium Coking Coal Futures (\$/mt)	3/28/23	\$299.00
Coal Spot Price - Central Appalachian (\$/st)	3/24/23	\$88.80
Coal Spot Price - Newcastle futures (\$/mt)	3/28/23	\$176.02
Coal Spot Price - Rotterdam futures (\$/mt)	3/28/23	\$137.80
Natural Gas Spot Price - Henry Hub (\$/mmbtu)	3/22/23	\$2.04
Uranium Spot Price (\$/lb)	3/28/23	\$50.35

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)		
	2023-03-17	2023-03-10	change
East	355	391	-36
Midwest	461	490	-29
Mountain	84	87	-3
Pacific	72	72	0
South Central	927	933	-6
Total	1,900	1,972	-72

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

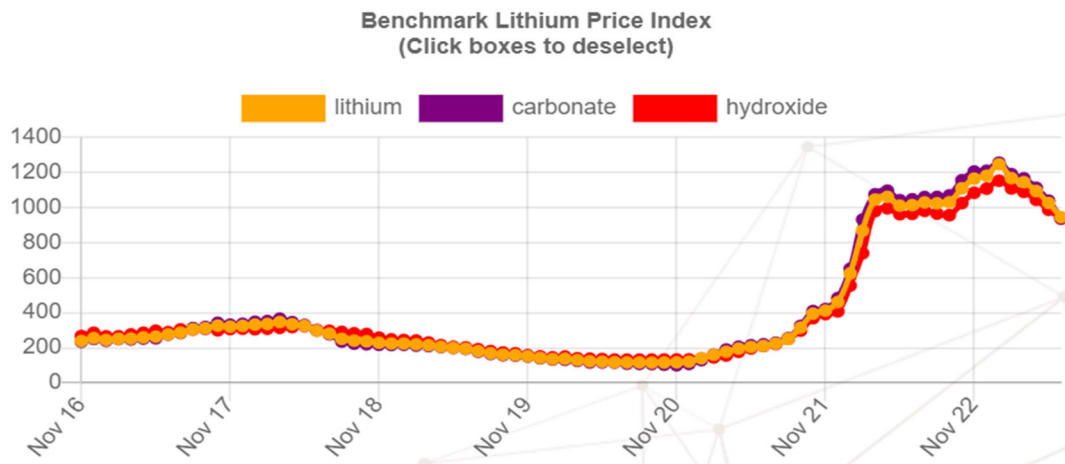
### Cobalt and Lithium Prices

#### 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/>