



# NATIONAL MINING ASSOCIATION

## WEEKLY STATISTICAL SUMMARY

**July 14, 2023 Edition**  
(Data for Week Ending July 8, 2023)

Prepared by  
**National Mining Association**

101 Constitution Avenue NW, Suite 500 East  
Washington, DC 20001  
(202) 463-2600  
[www.nma.org](http://www.nma.org)



# NMA WEEKLY STATISTICAL SUMMARY

Vol. 61, No. 27 | Dated 07/14/23

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	07/08/23	07/02/22	% Chg	07/08/23	07/08/22	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	10,116	11,223	-9.9%	306,896	306,516	0.1%
52 Weeks Ended	604,023	587,561	2.8%			
<i>Note: the year 2022 has an extra Saturday</i>						
AAR Coal Rail Cars Loaded:	58,369	64,375	-9.3%	1,757,509	1,742,795	0.8%
Coal Production	Jun 23/22		% Chg	Jan - June 23/22		% Chg
Month Ended - June	48,064	48,939	-1.8%	295,308	294,685	0.2%

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

	May 23/22		% Chg	Jan - May 23/22		% Chg
Coal Exports:						
Metallurgical	4,690	4,286	9.4%	21,091	18,991	11.1%
Steam Bit. *	3,881	3,055	27.0%	19,248	16,473	16.8%
Lignite	9	10	-10.0%	43	35	22.9%
Anthracite	<u>116</u>	<u>19</u>	510.5%	<u>364</u>	<u>123</u>	195.9%
Total	8,696	7,370	18.0%	40,746	35,622	14.4%
Coal Imports:	305	325	-6.2%	1,752	2,330	-24.8%

	Week Ended			Cumulative Week 1 to		
	07/08/23	07/09/22	% Chg	07/08/23	07/09/22	% Chg
EEl Electric Total Output (Mil. Kwh)	90,167	91,757	-1.7%	2,046,787	2,129,015	-3.9%
EEl Coal Region Output (Mil. Kwh)	79,290	81,137	-2.3%	2,046,787	2,129,015	-3.9%
AISI Raw Steel Output (000 Tons)	1,711	1,721	-0.6%	45,905	47,199	-2.7%

## EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	07/07/23	06/30/23	% Chg	Wed.	7/06/23
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$65.50	\$65.50	0.0%	Henry Hub	2.64
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	56.00	56.00	0.0%	New York	1.87
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	52.75	52.75	0.0%	Chicago	2.37
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	14.45	14.45	0.0%	Cal.Comp.Avg.	3.16
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	34.00	34.00	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		
	7/8/2023 (week 27)	7/1/2023 (week 26)	7/2/2022 (week 27)	7/8/2023	7/8/2022	% Change	7/8/2023	7/2/2022	% Change
Alabama	199	206	194	5,874	5,280	11.3	11,159	9,266	20.4
Alaska	17	17	16	532	502	6.0	1,058	979	8.1
Colorado	210	222	256	6,345	6,641	-4.5	12,692	13,207	-3.9
Illinois	685	725	794	21,206	20,919	1.4	39,161	36,049	8.6
Indiana	490	496	464	13,852	11,885	16.6	26,378	21,321	23.7
<b>Kentucky total</b>	<b>499</b>	<b>527</b>	<b>542</b>	<b>15,456</b>	<b>14,863</b>	<b>4.0</b>	<b>29,579</b>	<b>27,524</b>	<b>7.5</b>
Eastern (KY)	224	235	235	6,693	6,251	7.1	12,766	11,311	12.9
Western (KY)	276	292	307	8,763	8,612	1.8	16,813	16,213	3.7
Louisiana	5	6	6	160	151	5.8	320	323	-0.9
Maryland	21	23	24	708	670	5.6	1,348	1,268	6.3
Mississippi	59	63	71	1,562	1,760	-11.2	3,222	3,240	-0.6
Missouri	2	2	1	58	37	59.5	96	43	123.3
Montana	457	490	556	14,289	14,873	-3.9	28,069	29,455	-4.7
New Mexico	174	186	200	5,045	5,516	-8.5	10,246	10,147	1.0
North Dakota	444	470	487	13,693	13,767	-0.5	27,077	26,564	1.9
Ohio	33	37	47	1,079	1,391	-22.4	2,213	2,803	-21.0
Oklahoma	s	s	s	1	s	138.7	2	1	100.0
<b>Pennsylvania total</b>	<b>671</b>	<b>715</b>	<b>749</b>	<b>21,003</b>	<b>21,003</b>	<b>s</b>	<b>40,579</b>	<b>39,388</b>	<b>3.0</b>
Anthracite (PA)	47	48	46	1,446	1,242	16.4	2,725	2,315	17.7
Bituminous (PA)	624	668	703	19,557	19,761	-1.0	37,854	37,073	2.1
Tennessee	s	s	s	1	s	11.0	1	s	100.0
Texas	273	279	320	7,969	8,593	-7.3	16,706	17,836	-6.3
Utah	145	155	193	4,468	5,864	-23.8	9,492	11,801	-19.6
Virginia	193	193	200	5,885	5,359	9.8	11,542	10,707	7.8
<b>West Virginia total</b>	<b>1,474</b>	<b>1,537</b>	<b>1,602</b>	<b>45,393</b>	<b>43,538</b>	<b>4.3</b>	<b>86,757</b>	<b>80,387</b>	<b>7.9</b>
Northern (WV)	820	855	890	24,654	24,206	1.9	48,118	45,118	6.6
Southern (WV)	654	682	712	20,739	19,333	7.3	38,639	35,269	9.6
Wyoming	4,065	4,215	4,501	122,317	123,904	-1.3	246,323	245,252	0.4
<b>Appalachian total</b>	<b>2,815</b>	<b>2,946</b>	<b>3,051</b>	<b>86,635</b>	<b>83,492</b>	<b>3.8</b>	<b>166,365</b>	<b>155,130</b>	<b>7.2</b>
<b>Interior total</b>	<b>1,789</b>	<b>1,862</b>	<b>1,963</b>	<b>53,573</b>	<b>51,958</b>	<b>3.1</b>	<b>102,700</b>	<b>95,026</b>	<b>8.1</b>
<b>Western total</b>	<b>5,512</b>	<b>5,754</b>	<b>6,209</b>	<b>166,688</b>	<b>171,066</b>	<b>-2.6</b>	<b>334,958</b>	<b>337,405</b>	<b>-0.7</b>
<b>East of Mississippi River</b>	<b>4,324</b>	<b>4,522</b>	<b>4,686</b>	<b>132,019</b>	<b>126,669</b>	<b>4.2</b>	<b>251,940</b>	<b>231,953</b>	<b>8.6</b>
<b>West of Mississippi River</b>	<b>5,792</b>	<b>6,040</b>	<b>6,536</b>	<b>174,877</b>	<b>179,847</b>	<b>-2.8</b>	<b>352,084</b>	<b>355,608</b>	<b>-1.0</b>
Bituminous and lignite	10,069	10,514	11,176	305,450	305,274	0.1	601,298	585,246	2.7
Anthracite	47	48	46	1,446	1,242	16.4	2,725	2,315	17.7
<b>U.S. total</b>	<b>10,116</b>	<b>10,561</b>	<b>11,223</b>	<b>306,896</b>	<b>306,516</b>	<b>0.1</b>	<b>604,023</b>	<b>587,561</b>	<b>2.8</b>
Railroad cars loaded	58,369	59,949	64,375	1,757,509	1,742,795	0.8	3,492,248	3,386,885	3.1

Source: Energy Information Administration

EI

**Weekly Electric Output**

**Volume 91 No. 27**

**OUTPUT FOR WEEK ENDED - Jul 08, 2023**

**Jul 12, 2023**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Jul 08, 2023** was **90,167** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **193** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**  
(48 CONTIGUOUS STATES)

	Week Ended July 08		52 Weeks Ended July 08	
	GWh Output	% Increase Over Corresponding Week of 2022	GWh Output	% Increase Over Corresponding Period of 2022
New England	2,591	10.9	112,847	-2.3
Mid-Atlantic	9,785	8.0	406,459	-3.0
Central Industrial	13,495	-4.7	638,605	-3.2
West Central	6,848	-7.5	338,235	-0.7
Southeast	22,978	-3.0	1,002,905	-2.8
South Central	19,670	-3.0	834,511	2.0
Rocky Mountain	6,514	-0.6	293,027	0.0
Pacific Northwest	2,832	3.6	162,008	1.5
Pacific Southwest	5,454	-1.7	272,077	1.4
Total United States	90,167	-1.7	4,060,674	-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)
Jun 17	79,471	Jun 18	91,360	-13.0	Jun 17	4,068,471	-0.7
Jun 24	83,677	Jun 25	89,484	-6.5	Jun 24	4,062,665	-0.9
Jul 01	89,839	Jul 02	90,241	-0.4	Jul 01	4,062,263	-1.0
Jul 08	90,167	Jul 09	91,757	-1.7	Jul 08	4,060,673	-1.1
<b>Jul 08</b>	<b>2,046,787</b>	<b>Jul 09</b>	<b>2,129,015</b>	<b>-3.9</b>	<b>YEAR TO DATE, FIRST 27 WEEKS</b>		

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

Week Ended	2023	Week Ended	2022	Week Ended	2021
Jun 17	178	Jun 18	193	Jun 19	180
Jun 24	184	Jun 25	186	Jun 26	175
Jul 01	194	Jul 02	185	Jul 03	180
Jul 08	193	Jul 09	184	Jul 10	172

\* 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		
	8-Jul 2023 GWh Output	9-Jul 2022 GWh Output	% Increase Over Corresponding Week	8-Jul 2023 GWh Output	9-Jul 2022 GWh Output	% Increase Over Corresponding Week	8-Jul 2023 GWh Output	9-Jul 2022 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	2,591	2,335	11.0%	<b>55,677</b>	<b>58,609</b>	<b>-5.0%</b>	112,847	115,493	-2.3%
<b>Mid-Atlantic</b>	9,785	9,060	8.0%	<b>201,378</b>	<b>214,382</b>	<b>-6.1%</b>	406,459	419,112	-3.0%
<b>Central Industrial</b>	13,495	14,161	-4.7%	<b>327,850</b>	<b>346,870</b>	<b>-5.5%</b>	638,605	659,628	-3.2%
<b>West Central</b>	6,848	7,399	-7.4%	<b>171,764</b>	<b>175,363</b>	<b>-2.1%</b>	338,235	340,557	-0.7%
<b>Southeast</b>	22,978	23,686	-3.0%	<b>506,491</b>	<b>540,139</b>	<b>-6.2%</b>	1,002,905	1,031,890	-2.8%
<b>South Central</b>	19,670	20,280	-3.0%	<b>423,848</b>	<b>429,876</b>	<b>-1.4%</b>	834,511	818,210	2.0%
<b>Rocky Mountain</b>	6,514	6,551	-0.6%	<b>143,437</b>	<b>146,555</b>	<b>-2.1%</b>	293,027	293,092	0.0%
<b>Pacific Northwest</b>	2,832	2,734	3.6%	<b>85,917</b>	<b>85,270</b>	<b>0.8%</b>	162,008	159,575	1.5%
<b>Pacific Southwest</b>	5,454	5,550	-1.7%	<b>130,426</b>	<b>131,951</b>	<b>-1.2%</b>	272,077	268,268	1.4%
<b>Total United States <sup>1/</sup></b>	<u>90,167</u>	<u>91,756</u>	-1.7%	<u><b>2,046,787</b></u>	<u><b>2,129,015</b></u>	<b>-3.9%</b>	<u>4,060,674</u>	<u>4,105,825</u>	-1.1%
<b>Coal Regions Only <sup>2/</sup></b>	79,290	81,137	-2.3%	1,774,767	1,853,185	-4.2%	3,513,742	3,562,489	-1.4%

**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

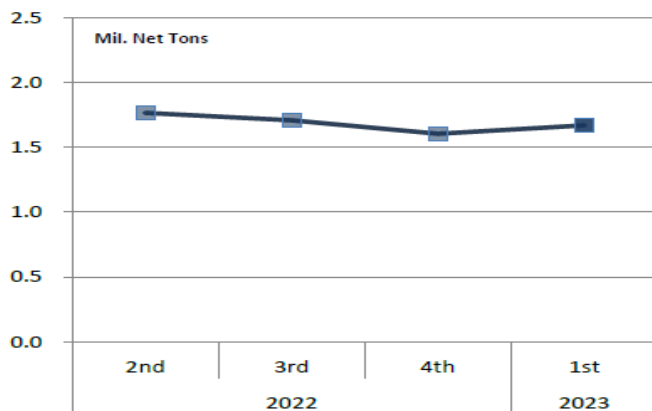
July 10, 2023

**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

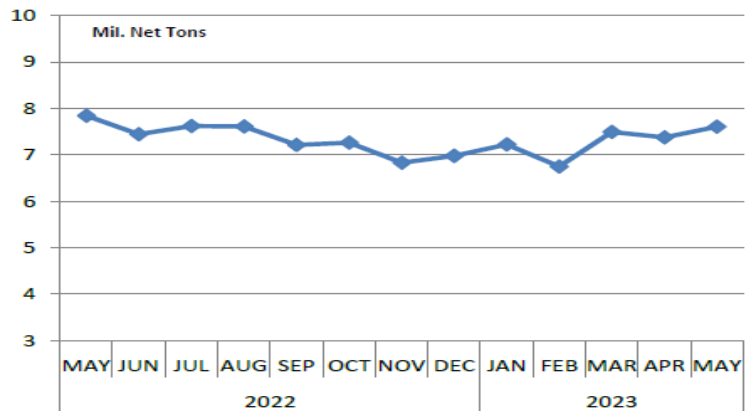
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending July 8</u>	<u>Week Ending July 1</u>	
<b><u>Week Ending</u></b>				North East	135	137
				Great Lakes	553	563
July 8, 2023	1,711	-1.7	75.3	Midwest	208	215
July 8, 2022	1,721	-0.6	78.1	Southern	750	758
July 1, 2023	1,740	-1.0	77.3	Western	65	67
				<b>Total</b>	<b>1,711</b>	<b>1,740</b>
<b><u>Year-to-Date +</u></b>						
July 8, 2023	45,905	-2.7	75.8			
July 8, 2022	47,199	-	80.0			

\*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.

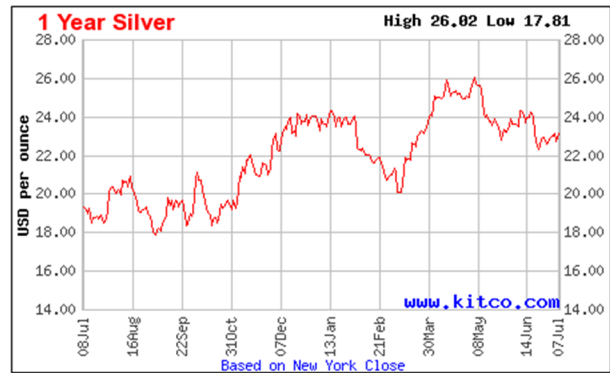
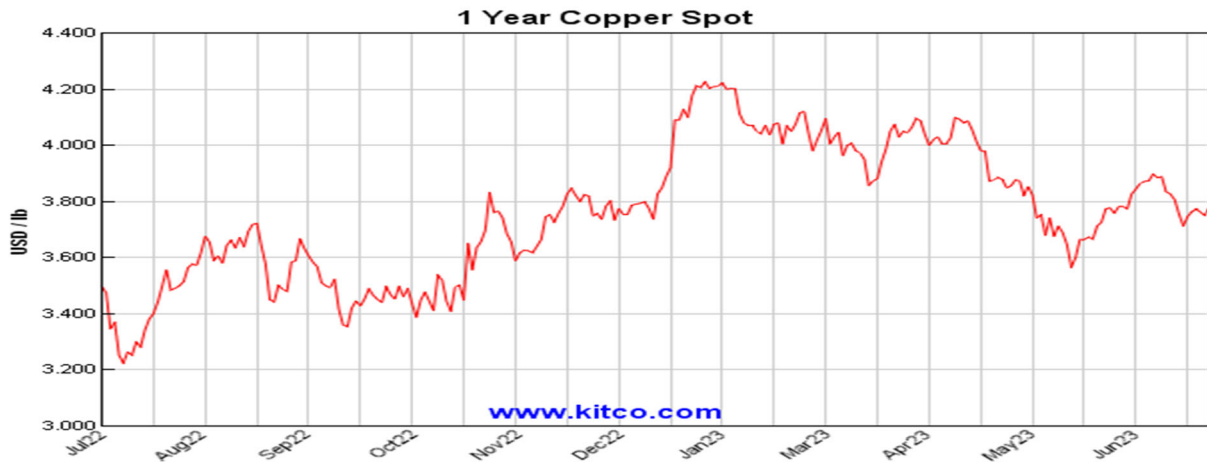
**Average Weekly Raw Steel Production**



**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 27, 2023 – Ended July 8, 2023**

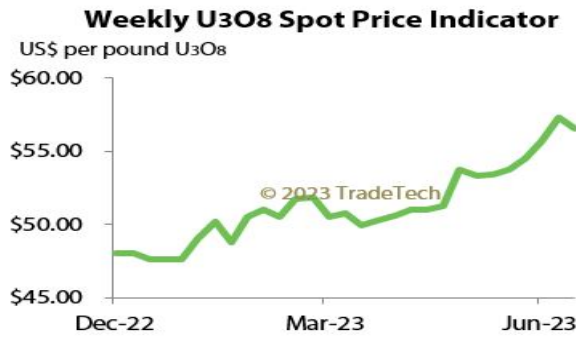
	This Week		Year-To-Date		
	Cars	vs 2022	Cumulative	Avg/wk <sup>2</sup>	vs 2022
<b>Total Carloads</b>	<b>197,086</b>	<b>-2.3%</b>	<b>6,040,821</b>	<b>223,734</b>	<b>0.5%</b>
Chemicals	28,512	-1.6%	838,399	31,052	-4.4%
Coal	58,369	-2.9%	1,757,492	65,092	0.8%
Farm Products excl. Grain, and Food	15,274	-1.0%	437,767	16,214	1.3%
Forest Products	7,140	-16.1%	221,560	8,206	-6.7%
Grain	12,629	-22.6%	513,622	19,023	-10.7%
Metallic Ores and Metals	18,031	7.4%	553,556	20,502	5.4%
Motor Vehicles and Parts	10,849	1.2%	394,848	14,624	13.1%
Nonmetallic Minerals	30,033	2.6%	843,763	31,250	4.5%
Petroleum and Petroleum Products	8,843	5.3%	250,094	9,263	9.4%
Other	7,406	3.4%	229,720	8,508	-3.1%
<b>Total Intermodal Units</b>	<b>210,757</b>	<b>-7.6%</b>	<b>6,324,352</b>	<b>234,235</b>	<b>-10.2%</b>
<b>Total Traffic</b>	<b>407,843</b>	<b>-5.1%</b>	<b>12,365,173</b>	<b>457,969</b>	<b>-5.3%</b>

<sup>1</sup> Excludes U.S. operations of CPKC, CN and GMXT.

<sup>2</sup> Average per week figures may not sum to totals as a result of independent rounding.

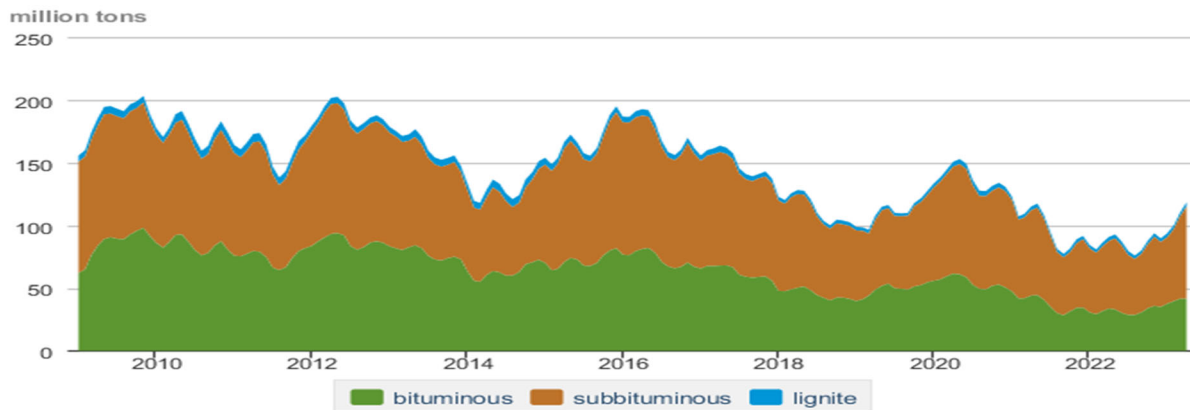
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### Trade Tech's and UX's Uranium Price Indicators



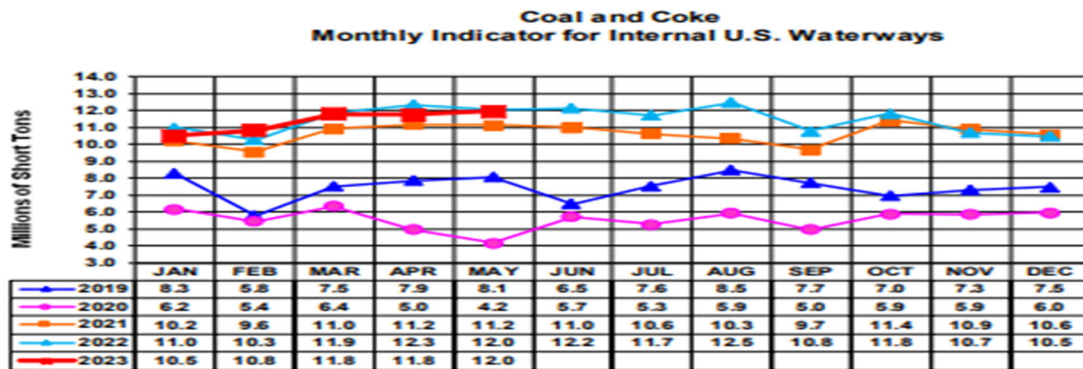
Sources: Trade Tech, Uranium Info Website – [www.uranium.info](http://www.uranium.info) ; Source: Ux Consulting Co., LLC – <http://www.uxc.com>

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



eia Data source: U.S. Energy Information Administration

Source: Energy Information Administration, Electric Monthly Update



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

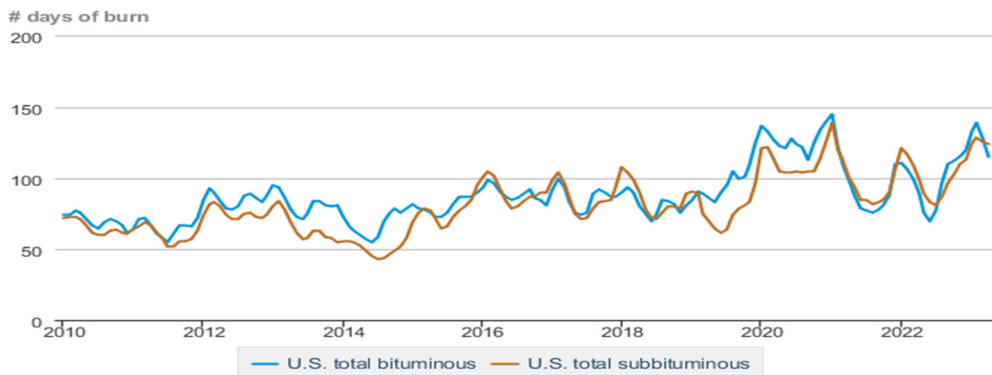
**Average weekly coal commodity spot prices**  
dollars per short ton

	Week ending					Week ago
	06/09/23	06/16/23	06/23/23	06/30/23	07/07/23	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$76.90	\$65.50	\$65.50	\$65.50	\$65.50	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$63.40	\$56.00	\$56.00	\$56.00	\$56.00	\$0.00
Illinois Basin 11,600 Btu, 5.0 SO <sub>2</sub>	\$65.00	\$52.75	\$52.75	\$52.75	\$52.75	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$14.55	\$14.45	\$14.45	\$14.45	\$14.45	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$34.15	\$34.00	\$34.00	\$34.00	\$34.00	\$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 - April 2023**



 Data source: U.S. Energy Information Administration

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

**Temperature – heating & cooling degree days (week ending Jun 29)**

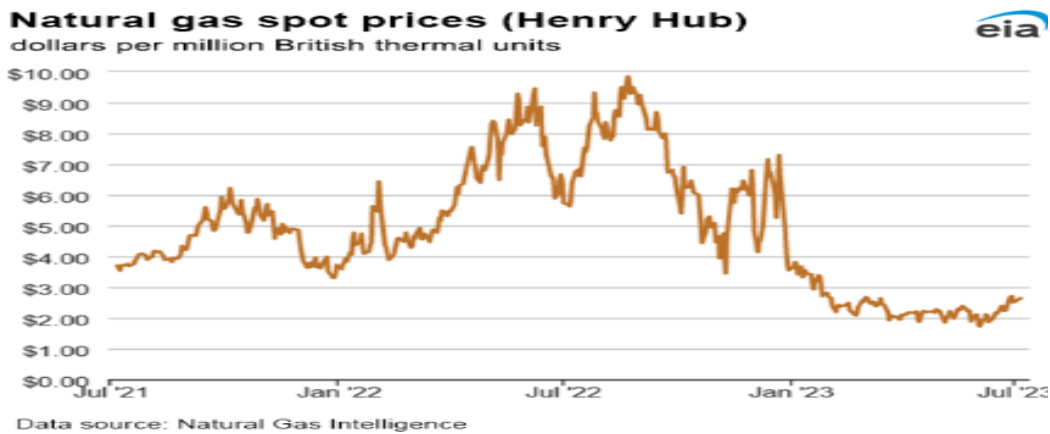
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	1	-3	-1	38	14	8
Middle Atlantic	2	0	0	41	2	3
E N Central	3	0	-2	40	-4	1
W N Central	1	-4	-2	66	9	9
South Atlantic	0	0	0	84	-2	-3
E S Central	0	0	0	79	-3	-12
W S Central	0	0	0	142	29	15
Mountain	7	-6	1	51	-15	-17
Pacific	9	0	7	8	-23	-55
United States	3	-1	1	60	-1	-8

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	2023 Year to Date - 1st Quarter	2022 Year to Date - 1st Quarter	Percent Change
Aluminum, secondary (000 Mt.)	223.0	215.0	4%
Cement (Mil. Mt.)	18.4	19.0	-3%
Copper (000 Mt.)	291.0	308.0	-6%
Gold (Mt.)	40.4	40.2	0%
Gypsum (Mil. Mt.)	4.7	4.3	9%
Iron Ore (Mil. Mt.)	10.1	8.7	16%
Lead (000 Mt.)	67.2	68.6	-2%
Molybdenum (000 Mt.)	8.1	8.8	-8%
Palladium (Mt.)	2.4	2.9	-17%
Phosphate rock (Mil. Mt.)	4.6	4.6	0%
Platinum (Mt.)	0.7	0.9	-22%
Sand & gravel, construction (Mil. Mt.)	160.0	175.0	-9%
Silver (Mt.)	269.0	258.0	4%
Soda ash (Mil. Mt.)	2.6	2.8	-7%
Stone, crushed (Mil. Mt.)	300.0	295.0	2%
Zinc (000 Mt.)	178.0	180.0	-1%

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	April 2023		April 2022		% Change of Stocks	March 2023		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,823	365	1,392	231	102.7%	2,903	365	-2.8%
	Subbituminous								
South	Bituminous	19,487	110	13,138	79	48.3%	20,205	128	-3.6%
	Subbituminous	5,616	89	3,316	55	69.3%	5,201	100	8.0%
Midwest	Bituminous	10,958	105	8,922	91	22.8%	10,204	112	7.4%
	Subbituminous	31,626	134	20,922	111	51.2%	27,824	134	13.7%
West	Bituminous	2,672	136	2,868	142	-6.8%	2,481	145	7.7%
	Subbituminous	27,759	127	20,435	104	35.8%	23,981	126	15.8%
U.S. Total	Bituminous	35,939	115	26,321	89	36.5%	35,793	129	0.4%
	Subbituminous	65,000	124	44,673	99	45.5%	57,006	126	14.0%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

### Mining-Related Commodity Prices

Commodity Price - Snapshot		
Metals Prices	Date	Price
Cobalt Spot Price (\$/lb)	7/10/23	\$15.15
Copper Spot Price (\$/lb)	7/11/23	\$3.74
Gold Spot Price (\$/ounce)	7/11/23	\$1,936.20
Lead Spot Price (\$/lb)	7/10/23	\$0.93
Lithium Spot Price (\$/kg)	7/11/23	\$42.70
Molybdenum Spot Price (\$/kg)	7/10/23	\$52.63
Nickel Spot Price (\$/lb)	7/10/23	\$9.44
Silver Spot Price (\$/ounce)	7/11/23	\$23.13
Steel HRC Price (\$/mt)	7/11/23	\$955.66
Steel Rebar Price (\$/mt)	7/11/23	\$508.80
Zinc Spot Price (\$/lb)	7/11/23	\$1.07
Energy Prices	Date	Price
Coal Price - Australian Premium Coking Coal Futures (\$/mt)	7/11/23	\$225.00
Coal Spot Price - Central Appalachian (\$/st)	7/7/23	\$65.50
Coal Spot Price - Newcastle futures (\$/mt)	7/11/23	\$127.11
Coal Spot Price - Rotterdam futures (\$/mt)	7/11/23	\$105.90
Natural Gas Spot Price - Henry Hub (\$/mmbtu)	7/5/23	\$2.64
Uranium Spot Price (\$/lb)	7/3/23	\$55.65

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)		
	2023-06-30	2023-06-23	change
East	643	623	20
Midwest	705	685	20
Mountain	173	165	8
Pacific	216	204	12
South Central	1,141 C	1,128	13
Total	2,877 C	2,805	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

Region	NEW-WELL PRODUCTION PER RIG BY REGION			PRODUCTION BY REGION			DUC WELLS BY REGION		
	New-well oil production per rig barrels/day			New-well gas production per rig thousand cubic feet/day					
	June 2023	July 2023	change	June 2023	July 2023	change			
Anadarko	666	679	13	3,933	4,031	98			
Appalachia	193	193	-	23,704	23,656	(48)			
Bakken	1,650	1,662	12	2,545	2,572	27			
Eagle Ford	1,411	1,425	14	5,777	5,834	57			
Haynesville	19	19	-	10,755	10,809	54			
Niobrara	1,423	1,430	7	3,896	3,955	59			
Permian	1,055	1,058	3	2,011	2,017	6			
Rig-weighted average	940	949	9	5,255	5,228	(27)			

Source: Energy Information Administration, *Drilling Productivity Report*

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

Cobalt - April 2023	Apr-23	Year to Date
U.S. Imports for Consumption - Metals (mt)	670	2,660
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	442	1,720
Reported Stocks of Cobalt Metal (mt)	U.S. Govt	LME
	302	109
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	16.85	15.53

Source: USGS, Mineral Industry Survey, Cobalt in April, June 2023

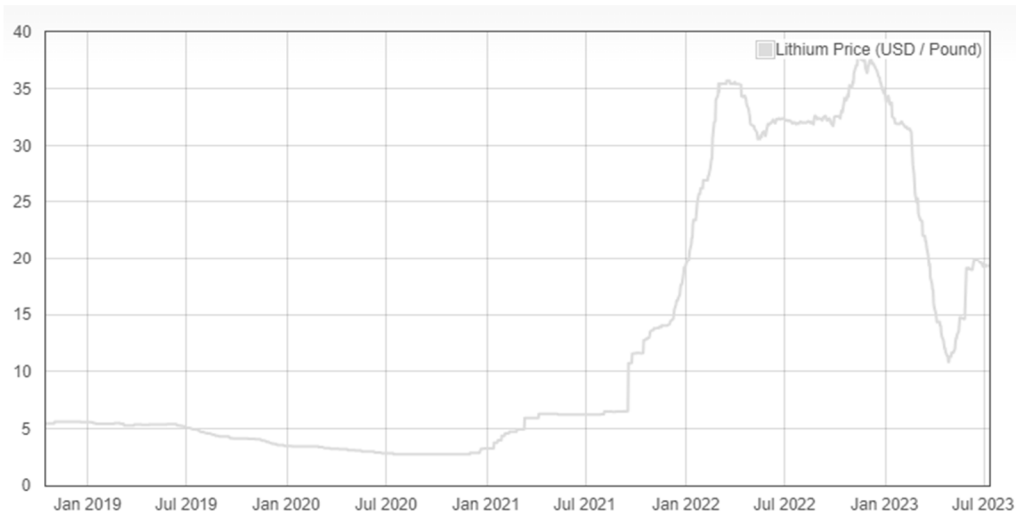
### Cobalt and Lithium Prices

#### Cobalt Prices (US\$/pound):



Source: Dailymetalprice.com - <https://www.dailymetalprice.com/metalpricecharts.php?c=co&u=lb&d=0>

#### Lithium Prices (US\$/pound):



Source: Dailymetalprice.com - <https://www.dailymetalprice.com/metalpricecharts.php>