



# NATIONAL MINING ASSOCIATION

## WEEKLY STATISTICAL SUMMARY

**September 29, 2023 Edition**  
(Data for Week Ending September 23, 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. 38 | Dated 09/29/23

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	09/23/23	09/17/22	% Chg	09/23/23	09/23/22	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,824	12,527	-5.6%	431,030	436,652	-1.3%
52 Weeks Ended	599,120	592,301	1.2%			
<i>Note: the year 2022 has an extra Saturday</i>						
AAR Coal Rail Cars Loaded:	68,846	72,774	-5.4%	2,502,958	2,505,247	-0.1%
Coal Production	Aug 23/22		% Chg	Jan - Aug 23/22		% Chg
Month Ended - August	52,455	53,601	-2.1%	392,564	396,823	-1.1%

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

	July 23/22		% Chg	Jan - July 23/22		% Chg
Coal Exports:						
Metallurgical	4,090	3,822	7.0%	29,104	27,363	6.4%
Steam Bit. *	3,004	2,765	8.6%	26,292	22,205	18.4%
Lignite	11	6	83.3%	63	48	31.3%
Anthracite	<u>45</u>	<u>102</u>	-55.9%	<u>445</u>	<u>293</u>	51.9%
Total	7,150	6,695	6.8%	55,904	49,909	12.0%
Coal Imports:	326	660	-50.6%	2,360	3,618	-34.8%

	Week Ended			Cumulative Week 1 to		
	09/23/23	09/24/22	% Chg	09/23/23	09/24/22	% Chg
EEl Electric Total Output (Mil. Kwh)	76,650	79,329	-3.4%	3,044,894	3,106,594	-2.0%
EEl Coal Region Output (Mil. Kwh)	66,982	69,433	-3.5%	2,648,825	2,700,576	-1.9%
AISI Raw Steel Output (000 Tons)	1,735	1,684	3.0%	65,033	65,999	-1.5%

## EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	09/22/23	09/15/23	% Chg	Wed.	09/20/23
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$70.00	\$70.00	0.0%	Henry Hub	2.77
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	54.00	54.00	0.0%	New York	1.08
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	49.00	49.00	0.0%	Chicago	2.24
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	14.25	14.25	0.0%	Cal.Comp.Avg.	2.84
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	32.20	32.20	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		
	9/23/2023 (week 38)	9/16/2023 (week 37)	9/17/2022 (week 38)	9/23/2023	9/23/2022	% Change	9/23/2023	9/17/2022	% Change
Alabama	235	237	229	8,441	7,680	9.9	11,415	9,762	16.9
Alaska	20	22	19	764	703	8.7	1,091	989	10.3
Colorado	246	238	280	8,771	9,569	-8.3	12,232	13,270	-7.8
Illinois	764	757	747	28,916	27,924	3.6	39,177	36,216	8.2
Indiana	529	546	490	19,098	16,829	13.5	26,257	22,044	19.1
<b>Kentucky total</b>	<b>575</b>	<b>586</b>	<b>577</b>	<b>21,734</b>	<b>20,811</b>	<b>4.4</b>	<b>29,888</b>	<b>28,092</b>	<b>6.4</b>
Eastern (KY)	254	261	244	9,519	8,720	9.2	13,053	11,649	12.1
Western (KY)	321	325	333	12,215	12,091	1.0	16,835	16,444	2.4
Louisiana	7	7	7	218	220	-0.9	311	302	3.0
Maryland	29	30	30	994	1,052	-5.5	1,425	1,366	4.3
Mississippi	62	59	74	1,963	2,535	-22.6	2,859	3,290	-13.1
Missouri	2	2	1	92	49	88.9	118	55	114.5
Montana	558	544	602	20,929	21,166	-1.1	28,506	29,157	-2.2
New Mexico	179	191	241	6,659	8,032	-17.1	9,380	10,940	-14.3
North Dakota	503	527	603	18,381	20,072	-8.4	25,550	26,753	-4.5
Ohio	38	38	47	1,408	1,877	-25.0	2,063	2,677	-22.9
Oklahoma	s	s	s	1	1	13.2	2	1	100.0
<b>Pennsylvania total</b>	<b>782</b>	<b>818</b>	<b>760</b>	<b>30,557</b>	<b>28,875</b>	<b>5.8</b>	<b>42,206</b>	<b>39,480</b>	<b>6.9</b>
Anthracite (PA)	55	53	50	1,983	1,769	12.1	2,742	2,413	13.6
Bituminous (PA)	727	765	709	28,574	27,106	5.4	39,463	37,067	6.5
Tennessee	s	s	.	s	s	-4.4	s	s	.
Texas	309	317	354	10,503	12,296	-14.6	15,590	17,480	-10.8
Utah	170	157	237	5,590	8,343	-33.0	8,171	11,638	-29.8
Virginia	239	241	239	8,553	7,972	7.3	11,855	10,885	8.9
<b>West Virginia total</b>	<b>1,724</b>	<b>1,710</b>	<b>1,714</b>	<b>64,924</b>	<b>61,448</b>	<b>5.7</b>	<b>88,502</b>	<b>82,476</b>	<b>7.3</b>
Northern (WV)	945	947	986	34,964	34,510	1.3	48,270	46,689	3.4
Southern (WV)	779	764	728	29,960	26,939	11.2	40,232	35,787	12.4
Wyoming	4,854	4,874	5,274	172,532	179,198	-3.7	242,522	245,425	-1.2
<b>Appalachian total</b>	<b>3,301</b>	<b>3,336</b>	<b>3,263</b>	<b>124,396</b>	<b>117,624</b>	<b>5.8</b>	<b>170,519</b>	<b>158,296</b>	<b>7.7</b>
<b>Interior total</b>	<b>1,993</b>	<b>2,013</b>	<b>2,006</b>	<b>73,007</b>	<b>71,945</b>	<b>1.5</b>	<b>101,148</b>	<b>95,832</b>	<b>5.5</b>
<b>Western total</b>	<b>6,530</b>	<b>6,553</b>	<b>7,257</b>	<b>233,627</b>	<b>247,082</b>	<b>-5.4</b>	<b>327,453</b>	<b>338,173</b>	<b>-3.2</b>
<b>East of Mississippi River</b>	<b>4,976</b>	<b>5,023</b>	<b>4,907</b>	<b>186,589</b>	<b>177,004</b>	<b>5.4</b>	<b>255,647</b>	<b>236,290</b>	<b>8.2</b>
<b>West of Mississippi River</b>	<b>6,848</b>	<b>6,879</b>	<b>7,620</b>	<b>244,441</b>	<b>259,648</b>	<b>-5.9</b>	<b>343,473</b>	<b>356,011</b>	<b>-3.5</b>
Bituminous and lignite	11,769	11,849	12,476	429,046	434,883	-1.3	596,377	589,888	1.1
Anthracite	55	53	50	1,983	1,769	12.1	2,742	2,413	13.6
<b>U.S. total</b>	<b>11,824</b>	<b>11,902</b>	<b>12,527</b>	<b>431,030</b>	<b>436,652</b>	<b>-1.3</b>	<b>599,120</b>	<b>592,301</b>	<b>1.2</b>
Railroad cars loaded	68,846	69,268	72,774	2,502,958	2,505,247	-0.1	3,484,670	3,411,449	2.1

Source: Energy Information Administration



# Weekly Electric Output

Volume 91 No. 38

**OUTPUT FOR WEEK ENDED - Sep 23, 2023**

Sep 27, 2023

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Sep 23, 2023** was **76,650** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **171** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended September 23		52 Weeks Ended September 23	
	GWh Output	% Increase Over Corresponding Week of 2022	GWh Output	% Increase Over Corresponding Period of 2022
New England	1,927	-5.1	111,269	-4.2
Mid-Atlantic	7,037	-7.4	403,742	-3.9
Central Industrial	11,061	-7.5	637,175	-3.1
West Central	6,466	-1.2	338,724	-0.7
Southeast	18,459	-6.2	1,009,328	-2.5
South Central	18,363	2.1	857,120	3.3
Rocky Mountain	5,596	-1.2	294,321	0.2
Pacific Northwest	2,529	1.8	161,119	0.5
Pacific Southwest	5,212	-3.1	268,403	-1.2
Total United States	76,650	-3.4	4,081,201	-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)
Sep 02	87,392	Sep 03	88,595	-1.4	Sep 02	4,075,083	-1.2
Sep 09	90,200	Sep 10	83,200	8.4	Sep 09	4,082,083	-1.1
Sep 16	80,267	Sep 17	78,471	2.3	Sep 16	4,083,879	-0.9
Sep 23	76,650	Sep 24	79,329	-3.4	Sep 23	4,081,200	-1.1
<b>Sep 23</b>	<b>3,044,894</b>	<b>Sep 24</b>	<b>3,106,594</b>	<b>-2.0</b>	<b>YEAR TO DATE, FIRST 38 WEEKS</b>		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2023	Week Ended	2022	Week Ended	2021
Sep 02	184	Sep 03	200	Sep 04	183
Sep 09	197	Sep 10	194	Sep 11	177
Sep 16	177	Sep 17	187	Sep 18	184
Sep 23	171	Sep 24	199	Sep 25	178

\* 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		
	23-Sep 2023 GWh Output	24-Sep 2022 GWh Output	% Increase Over Corresponding Week	23-Sep 2023 GWh Output	24-Sep 2022 GWh Output	% Increase Over Corresponding Week	23-Sep 2023 GWh Output	24-Sep 2022 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	1,927	2,030	-5.1%	<b>82,109</b>	<b>86,620</b>	<b>-5.2%</b>	111,269	116,179	-4.2%
<b>Mid-Atlantic</b>	7,037	7,595	-7.3%	<b>300,853</b>	<b>316,576</b>	<b>-5.0%</b>	403,742	419,990	-3.9%
<b>Central Industrial</b>	11,061	11,955	-7.5%	<b>474,245</b>	<b>494,695</b>	<b>-4.1%</b>	637,175	657,742	-3.1%
<b>West Central</b>	6,466	6,545	-1.2%	<b>251,510</b>	<b>254,620</b>	<b>-1.2%</b>	338,724	341,072	-0.7%
<b>Southeast</b>	18,459	19,686	-6.2%	<b>753,504</b>	<b>780,729</b>	<b>-3.5%</b>	1,009,328	1,035,161	-2.5%
<b>South Central</b>	18,363	17,988	2.1%	<b>651,631</b>	<b>635,050</b>	<b>2.6%</b>	857,120	829,716	3.3%
<b>Rocky Mountain</b>	5,596	5,664	-1.2%	<b>217,083</b>	<b>218,906</b>	<b>-0.8%</b>	294,321	293,834	0.2%
<b>Pacific Northwest</b>	2,529	2,485	1.8%	<b>116,177</b>	<b>116,417</b>	<b>-0.2%</b>	161,119	160,364	0.5%
<b>Pacific Southwest</b>	5,212	5,381	-3.1%	<b>197,782</b>	<b>202,981</b>	<b>-2.6%</b>	268,403	271,722	-1.2%
<b>Total United States <sup>1/</sup></b>	<u>76,650</u>	<u>79,329</u>	-3.4%	<u><b>3,044,893</b></u>	<u><b>3,106,594</b></u>	<b>-2.0%</b>	<u>4,081,201</u>	<u>4,125,780</u>	-1.1%
<b>Coal Regions Only <sup>2/</sup></b>	66,982	69,433	-3.5%	<b>2,648,825</b>	<b>2,700,576</b>	<b>-1.9%</b>	3,540,410	3,577,515	-1.0%

**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

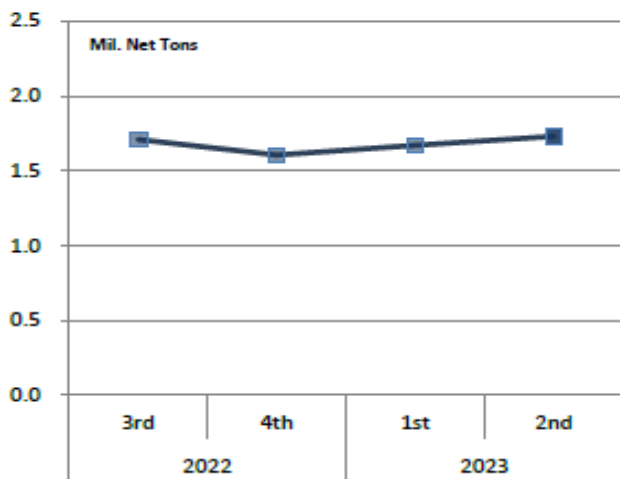
September 25, 2023

**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

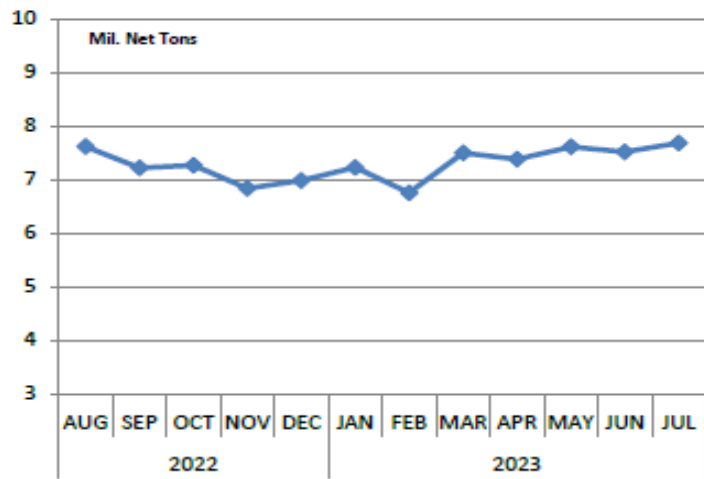
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capacity Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending Sep 23</u>	<u>Week Ending Sep 16</u>	
<b><u>Week Ending</u></b>				North East	126	135
				Great Lakes	575	571
Sep 23, 2023	1,735	0.1	76.3	Midwest	220	223
Sep 23, 2022	1,684	3.0	76.4	Southern	744	737
Sep 16, 2023	1,733	0.7	76.2	Western	<u>70</u>	<u>67</u>
				Total	1,735	1,733
<b><u>Year-to-Date +</u></b>						
Sep 23, 2023	65,033	-1.5	76.0			
Sep 23, 2022	65,999	-	79.4			

\*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.

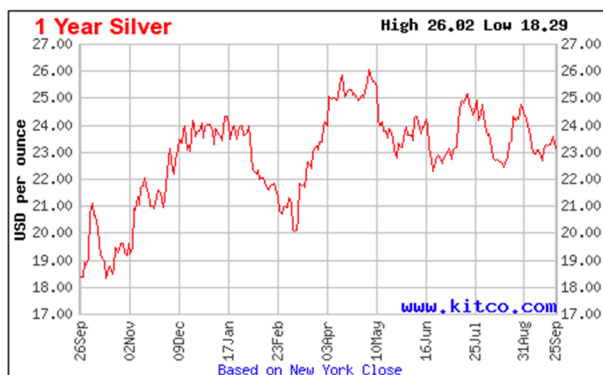
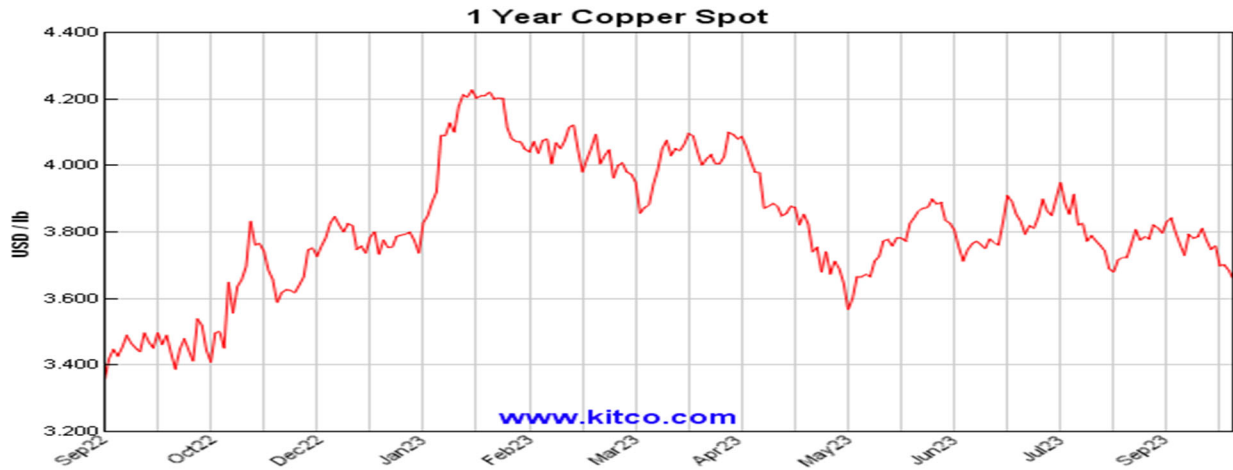
**Average Weekly Raw Steel Production**



**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 38, 2023 – Ended September 23, 2023**

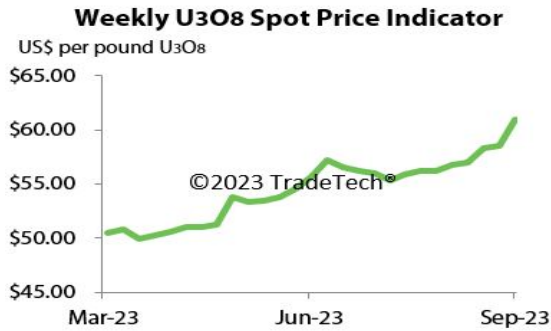
	This Week		Year-To-Date		
	Cars	vs 2022	Cumulative	Avg/wk <sup>2</sup>	vs 2022
<b>Total Carloads</b>	<b>234,904</b>	<b>4.7%</b>	<b>8,538,842</b>	<b>224,706</b>	<b>0.2%</b>
Chemicals	31,067	7.1%	1,183,796	31,153	-2.8%
Coal	68,846	-2.6%	2,502,942	65,867	-0.2%
Farm Products excl. Grain, and Food	16,718	10.6%	612,117	16,108	1.0%
Forest Products	8,490	-0.9%	308,973	8,131	-7.2%
Grain	18,072	-1.2%	682,884	17,971	-12.8%
Metallic Ores and Metals	22,732	16.7%	788,662	20,754	4.8%
Motor Vehicles and Parts	16,085	22.3%	565,166	14,873	13.8%
Nonmetallic Minerals	34,463	1.7%	1,211,590	31,884	3.4%
Petroleum and Petroleum Products	9,908	21.0%	358,084	9,423	10.5%
Other	8,523	7.0%	324,628	8,543	-1.9%
<b>Total Intermodal Units</b>	<b>258,419</b>	<b>1.2%</b>	<b>9,065,168</b>	<b>238,557</b>	<b>-8.5%</b>
<b>Total Traffic</b>	<b>493,323</b>	<b>2.8%</b>	<b>17,604,010</b>	<b>463,263</b>	<b>-4.5%</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>

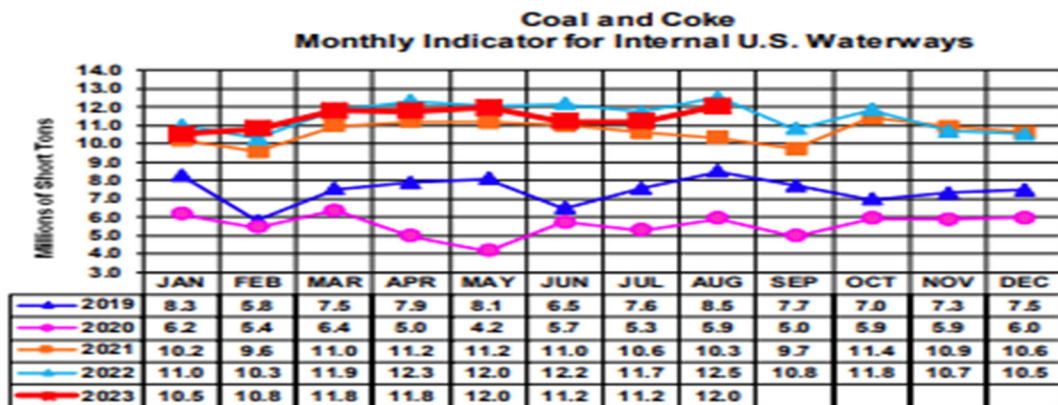
### Coal stocks and average number of days of burn for non-lignite coal by region (electric power sector)

Zone	Coal	July 2023		July 2022		% Change of Stocks	June 2023		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,715	362	1,638	365	65.8%	3,046	365	-10.9%
	Subbituminous								
South	Bituminous	18,294	140	10,833	56	68.9%	20,922	128	-12.6%
	Subbituminous	5,793	90	3,254	38	78.0%	6,123	79	-5.4%
Midwest	Bituminous	12,731	129	7,317	73	74.0%	12,680	117	0.4%
	Subbituminous	30,679	151	17,327	102	77.1%	32,099	146	-4.4%
West	Bituminous	3,043	148	3,221	159	-5.5%	3,238	152	-6.0%
	Subbituminous	29,493	148	17,504	81	68.5%	30,634	141	-3.7%
U.S. Total	Bituminous	36,782	144	23,008	77	59.9%	39,886	137	-7.8%
	Subbituminous	65,965	143	38,085	81	73.2%	68,857	134	-4.2%

Source: U.S. Energy Information Administration

NOTE: Stockpile levels shown above reflect a sample of electric power sector plants, which were used to create the days of burn statistics. These levels will not equal total electric power sector stockpile levels.

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

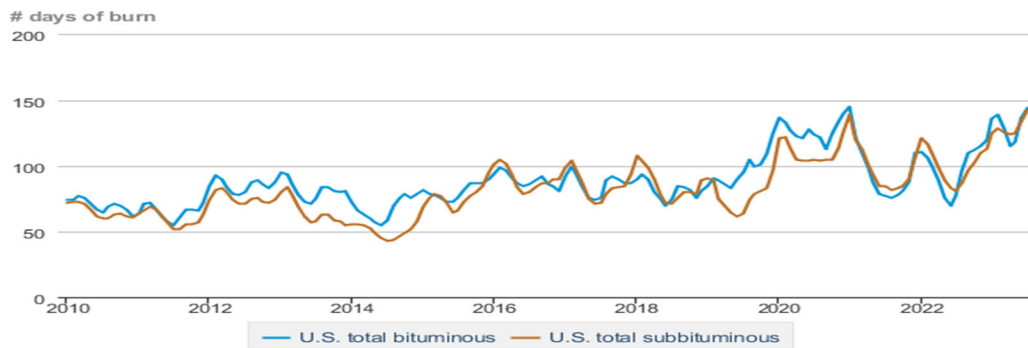
**Average weekly coal commodity spot prices**  
dollars per short ton

	Week ending					Week ago change
	08/25/23	09/01/23	09/08/23	09/15/23	09/22/23	
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$70.00	\$70.00	\$70.00	\$70.00	\$70.00	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$52.50	\$54.10	\$54.10	\$54.00	\$54.00	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$50.00	\$50.00	\$50.00	\$49.00	\$49.00	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$14.30	\$14.30	\$14.30	\$14.25	\$14.25	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$32.50	\$32.35	\$32.35	\$32.20	\$32.20	\$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 - July 2023**



Data source: U.S. Energy Information Administration

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

**Temperature – heating & cooling degree days (week ending Sep 14)**

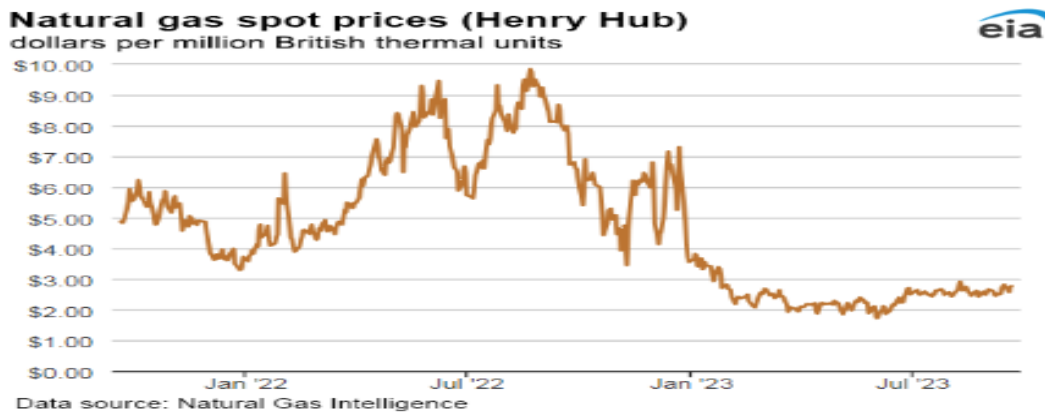
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	2	-20	-2	42	36	24
Middle Atlantic	3	-12	-1	34	17	7
E N Central	29	10	14	3	-14	-12
W N Central	28	3	9	14	-11	-10
South Atlantic	0	-2	-1	82	15	12
E S Central	1	-2	-2	59	3	11
W S Central	1	-1	0	101	12	21
Mountain	17	-12	-3	49	5	5
Pacific	2	-7	0	42	9	-12
United States	12	-2	3	48	7	3

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

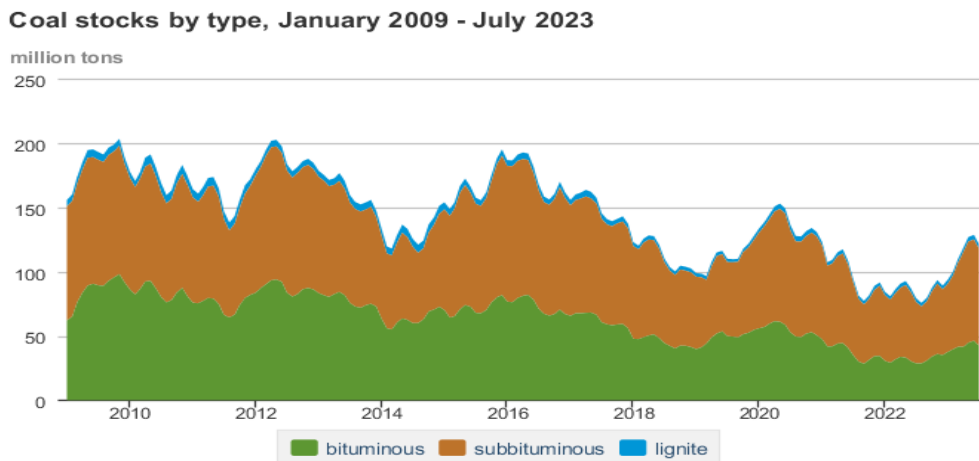
Source: Energy Information Administration, *Natural Gas Weekly Update*.

U.S. Production of Selected Mineral Commodities	2023 Year to Date - 2nd Quarter	2022 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	453.0	434.0	4%
Cement (Mil. Mt.)	42.5	43.6	-3%
Copper (000 Mt.)	544.0	621.0	-12%
Gold (Mt.)	79.1	83.6	-5%
Gypsum (Mil. Mt.)	9.5	9.0	6%
Iron Ore (Mil. Mt.)	20.7	18.7	11%
Lead (000 Mt.)	140.0	141.0	-1%
Molybdenum (000 Mt.)	16.5	16.5	0%
Palladium (Mt.)	4.8	5.5	-13%
Phosphate rock (Mil. Mt.)	9.9	9.8	1%
Platinum (Mt.)	1.5	1.6	-6%
Sand & gravel, construction (Mil. Mt.)	411.0	437.0	-6%
Silver (Mt.)	538.0	514.0	5%
Soda ash (Mil. Mt.)	5.4	5.5	-2%
Stone, crushed (Mil. Mt.)	712.0	708.0	1%
Zinc (000 Mt.)	366.0	375.0	-2%

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*.



Source: Energy Information Administration, *Electricity Monthly Update*

## Mining-Related Commodity Prices

Commodity Price - Snapshot		
Metals Prices	Date	Price
Cobalt Spot Price (\$/lb)	9/26/23	\$15.15
Copper Spot Price (\$/lb)	9/27/23	\$3.60
Gold Spot Price (\$/ounce)	9/27/23	\$1,874.77
Lead Spot Price (\$/lb)	9/26/23	\$1.00
Lithium Spot Price (\$/kg)	9/27/23	\$23.18
Molybdenum Spot Price (\$/kg)	9/26/23	\$55.63
Nickel Spot Price (\$/lb)	9/26/23	\$8.44
Silver Spot Price (\$/ounce)	9/27/23	\$22.47
Steel HRC Price (\$/mt)	9/27/23	\$790.91
Steel Rebar Price (\$/mt)	9/27/23	\$499.51
Zinc Spot Price (\$/lb)	9/27/23	\$1.12
Energy Prices	Date	Price
Coal Price - Australian Premium Coking Coal Futures (\$/mt)	9/26/23	\$320.00
Coal Spot Price - Central Appalachian (\$/st)	9/22/23	\$70.00
Coal Spot Price - Newcastle futures (\$/mt)	9/27/23	\$160.61
Coal Spot Price - Rotterdam futures (\$/mt)	9/26/23	\$124.00
Natural Gas Spot Price - Henry Hub (\$/mmbtu)	9/20/23	\$2.77
Uranium Spot Price (\$/lb)	9/25/23	\$70.00

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)		
	2023-09-15	2023-09-08	change
East	793	775	18
Midwest	931	904	27
Mountain	228	225	3
Pacific	263	260	3
South Central	1,053	1,041	12
Total	3,269	3,205	64

Data source: U.S. Energy Information Administration Form EIA-912, *Weekly Underground Natural Gas Storage Report*

Note: Totals may not equal sum of components because of independent rounding.

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		
	September 2023	October 2023	change	September 2023	October 2023	change
Anadarko	692	691	(1)	4,235	4,341	106
Appalachia	193	193	-	23,782	23,825	43
Bakken	1,697	1,709	12	2,644	2,670	26
Eagle Ford	1,455	1,469	14	5,966	6,026	60
Haynesville	19	19	-	11,531	11,739	208
Niobrara	1,444	1,452	8	4,091	4,124	33
Permian	1,085	1,102	17	2,083	2,108	25
Rig-weighted average	985	1,002	17	5,286	5,232	(54)

Source: Energy Information Administration, *Drilling Productivity Report*

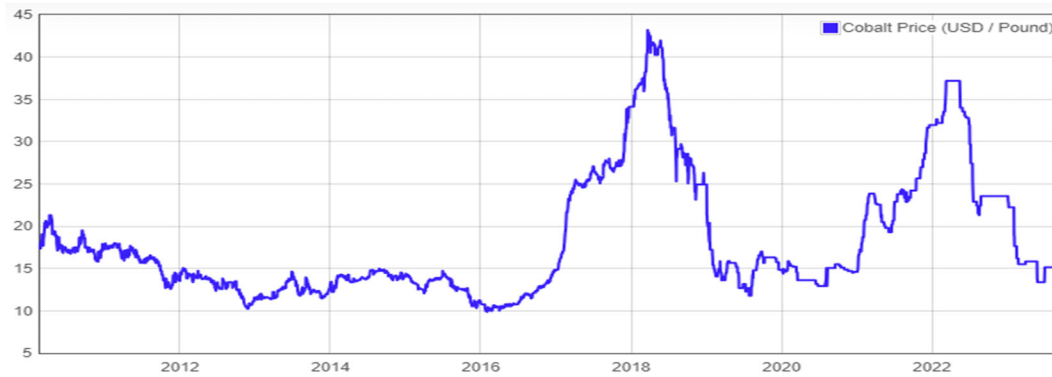
### USGS Cobalt – U.S. Trade, Reported Stocks and Listed Prices

Cobalt - June 2023	Jun-23	Year to Date
U.S. Imports for Consumption - Metals (mt)	562	3,890
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	331	2,570
Reported LME Stocks of Cobalt Metal (mt)	93	-
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	15.11	13.12

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

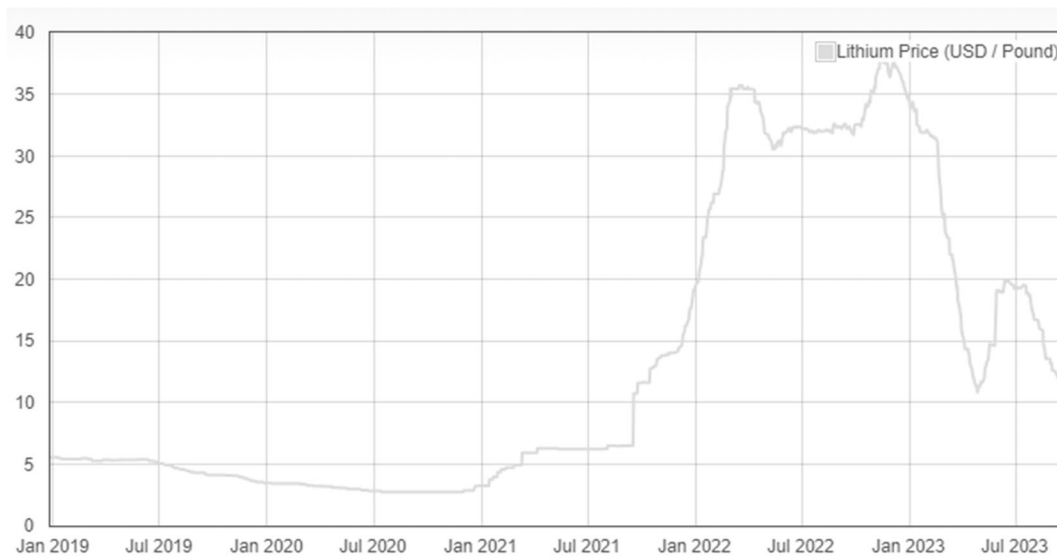
### Cobalt and Lithium Prices

#### 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>