



# NATIONAL MINING ASSOCIATION

## WEEKLY STATISTICAL SUMMARY

**January 13, 2023 Edition**  
(Data for Week Ending January 7, 2023)

Prepared by  
**National Mining Association**

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# NMA WEEKLY STATISTICAL SUMMARY

Vol. 61, No. 1 | Dated 01/13/23

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	01/07/23	01/01/22	% Chg	01/07/23	01/07/22	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,243	10,150	10.8%	11,243	9,718	15.7%
52 Weeks Ended	607,150	576,142	5.4%			
<i>Note: the year 2022 has an extra Saturday</i>						
AAR Coal Rail Cars Loaded:	63,928	59,264	7.9%	63,928	55,025	16.2%
Coal Production	Dec 22/21		% Chg	Jan - Dec 22/21		% Chg
Month Ended - December	46,326	48,576	-4.6%	597,176	577,431	3.4%

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

	Nov 22/21		% Chg	Jan - Nov 22/21		% Chg
Exports:						
Metallurgical	4,163	3,577	16.4%	43,076	41,381	4.1%
Steam Bit. *	3,336	3,410	-2.2%	34,614	36,125	-4.2%
Lignite	11	6	83.3%	76	71	7.0%
Anthracite	47	6	683.3%	433	281	54.1%
Total	7,557	6,999	8.0%	78,199	77,858	0.4%
Imports:	690	436	58.3%	6,021	4,701	28.1%

	Week Ended			Cumulative Week 1 to		
	01/07/23	01/08/22	% Chg	01/07/23	01/08/22	% Chg
EI Electric Total Output (Mil. Kwh)	73,106	82,453	-11.3%	73,106	82,453	-11.3%
EEI Coal Region Output (Mil. Kwh)	62,466	71,248	-12.3%	62,466	71,248	-12.3%
AISI Raw Steel Output (000 Tons)	1,595	1,735	-8.1%	1,595	1,735	-8.1%

## EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	01/06/23	12/30/22	% Chg	Wed.	12/21/22
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$138.00	\$205.55	-32.9%	Henry Hub	6.14
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	115.00	209.70	-45.2%	New York	6.29
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	116.00	168.20	-31.0%	Chicago	17.69
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	15.50	15.55	-0.3%	Cal.Comp.Avg.	53.59
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	37.85	41.20	-8.1%		

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		
	1/7/2023 (week 1)	12/31/2022 (week 53)	1/1/2022 (week 1)	1/7/2023	1/7/2022	% Change	1/7/2023	1/1/2022	% Change
Alabama	187	135	142	187	169	10.9	10,081	9,410	7.1
Alaska	17	16	19	17	18	-3.9	980	1,039	-5.7
Colorado	272	207	235	272	183	48.4	13,751	11,854	16.0
Illinois	692	506	555	692	607	14.0	38,074	36,723	3.7
Indiana	458	349	346	458	344	33.0	23,011	19,426	18.5
<b>Kentucky total</b>	<b>562</b>	<b>450</b>	<b>480</b>	<b>562</b>	<b>463</b>	<b>21.2</b>	<b>28,980</b>	<b>26,368</b>	<b>9.9</b>
Eastern (KY)	253	193	194	253	184	37.3	12,297	10,113	21.6
Western (KY)	309	257	286	309	279	10.6	16,683	16,255	2.6
Louisiana	6	4	5	6	4	38.9	307	300	2.3
Maryland	26	20	21	26	20	27.3	1,369	1,259	8.7
Mississippi	64	46	49	64	48	32.5	3,449	3,192	8.1
Missouri	1	1	1	1	1	26.9	60	44	36.4
Montana	545	446	512	545	457	19.2	29,673	28,519	4.0
New Mexico	240	199	196	240	181	32.0	11,503	9,246	24.4
North Dakota	506	402	439	506	467	8.4	27,608	26,446	4.4
Ohio	49	43	51	49	47	3.8	2,666	2,752	-3.1
Oklahoma	s	s	s	s	s	-3.8	2	1	100.0
<b>Pennsylvania total</b>	<b>706</b>	<b>578</b>	<b>695</b>	<b>706</b>	<b>670</b>	<b>5.3</b>	<b>39,280</b>	<b>42,295</b>	<b>-7.1</b>
Anthracite (PA)	53	43	43	53	41	29.2	2,571	2,107	22.0
Bituminous (PA)	653	534	652	653	629	3.7	36,708	40,187	-8.7
Tennessee	s	.	.	s	.	100.0	1	.	.
Texas	319	270	328	319	267	19.2	17,505	17,217	1.7
Utah	195	182	214	195	212	-7.9	11,621	12,403	-6.3
Virginia	193	163	188	193	173	12.1	10,962	10,876	0.8
<b>West Virginia total</b>	<b>1,598</b>	<b>1,278</b>	<b>1,389</b>	<b>1,598</b>	<b>1,358</b>	<b>17.7</b>	<b>84,799</b>	<b>78,430</b>	<b>8.1</b>
Northern (WV)	905	736	806	905	764	18.5	47,798	44,351	7.8
Southern (WV)	694	542	584	694	594	16.8	37,001	34,079	8.6
Wyoming	4,609	3,879	4,285	4,609	4,028	14.4	251,471	238,343	5.5
<b>Appalachian total</b>	<b>3,012</b>	<b>2,409</b>	<b>2,680</b>	<b>3,012</b>	<b>2,620</b>	<b>14.9</b>	<b>161,454</b>	<b>155,134</b>	<b>4.1</b>
<b>Interior total</b>	<b>1,848</b>	<b>1,432</b>	<b>1,570</b>	<b>1,848</b>	<b>1,551</b>	<b>19.2</b>	<b>99,090</b>	<b>93,157</b>	<b>6.4</b>
<b>Western total</b>	<b>6,383</b>	<b>5,331</b>	<b>5,900</b>	<b>6,383</b>	<b>5,546</b>	<b>15.1</b>	<b>346,605</b>	<b>327,851</b>	<b>5.7</b>
<b>East of Mississippi River</b>	<b>4,535</b>	<b>3,566</b>	<b>3,916</b>	<b>4,535</b>	<b>3,899</b>	<b>16.3</b>	<b>242,672</b>	<b>230,730</b>	<b>5.2</b>
<b>West of Mississippi River</b>	<b>6,709</b>	<b>5,605</b>	<b>6,234</b>	<b>6,709</b>	<b>5,819</b>	<b>15.3</b>	<b>364,478</b>	<b>345,412</b>	<b>5.5</b>
Bituminous and lignite	11,190	9,129	10,107	11,190	9,677	15.6	604,578	574,035	5.3
Anthracite	53	43	43	53	41	29.2	2,571	2,107	22.0
<b>U.S. total</b>	<b>11,243</b>	<b>9,172</b>	<b>10,150</b>	<b>11,243</b>	<b>9,718</b>	<b>15.7</b>	<b>607,150</b>	<b>576,142</b>	<b>5.4</b>
Railroad cars loaded	63,928	52,863	59,264	63,928	55,025	16.2	3,482,135	3,327,782	4.6

Source: Energy Information Administration



# Weekly Electric Output

Volume 91 No. 1

**OUTPUT FOR WEEK ENDED - Jan 07, 2023**

**Jan 11, 2023**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Jan 07, 2023** was **73,106** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **170** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended January 07		52 Weeks Ended January 07	
	GWh Output	% Increase Over Corresponding Week of 2022	GWh Output	% Increase Over Corresponding Period of 2022
New England	2,192	-9.3	115,557	-0.3
Mid-Atlantic	7,293	-14.6	418,217	0.0
Central Industrial	12,044	-13.8	655,694	0.7
West Central	6,333	-11.0	341,052	1.4
Southeast	17,852	-15.1	1,033,368	2.1
South Central	13,472	-9.9	839,059	7.7
Rocky Mountain	5,472	-2.8	295,982	0.9
Pacific Northwest	3,515	-9.3	161,002	0.9
Pacific Southwest	4,933	0.4	273,623	1.8
Total United States	73,106	-11.3	4,133,554	2.4

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

Week Ended	2023	Week Ended	2022	% Inc. (23/22)	52 Weeks Ended	2023	% Inc. (23/22)
Dec 17	78,653	Dec 18	75,970	3.5	Dec 17	4,123,236	2.2
Dec 24	89,032	Dec 25	76,450	16.5	Dec 24	4,135,818	2.6
Dec 31	79,495	Jan 01	72,412	9.8	Dec 31	4,142,901	2.8
Jan 07	73,106	Jan 08	82,453	-11.3	Jan 07	4,133,554	2.4
<b>Jan 07</b>	<b>73,106</b>	<b>Jan 08</b>	<b>82,453</b>	<b>-11.3</b>	<b>YEAR TO DATE, FIRST WEEK</b>		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2023	Week Ended	2022	Week Ended	2021
Dec 17	179	Dec 18	172	Dec 19	176
Dec 24	211	Dec 25	182	Dec 26	177
Dec 31	182	Jan 01	160	Jan 02	160
Jan 07	170	Jan 08	179	Jan 09	165

\* 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		
	7-Jan 2023 GWh Output	8-Jan 2022 GWh Output	% Increase Over Corresponding Week	7-Jan 2023 GWh Output	8-Jan 2022 GWh Output	% Increase Over Corresponding Week	7-Jan 2023 GWh Output	8-Jan 2022 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	2,192	2,416	-9.3%	<b>2,192</b>	<b>2,416</b>	<b>-9.3%</b>	115,557	115,931	-0.3%
<b>Mid-Atlantic</b>	7,293	8,542	-14.6%	<b>7,293</b>	<b>8,542</b>	<b>-14.6%</b>	418,217	418,406	0.0%
<b>Central Industrial</b>	12,044	13,972	-13.8%	<b>12,044</b>	<b>13,972</b>	<b>-13.8%</b>	655,694	651,046	0.7%
<b>West Central</b>	6,333	7,117	-11.0%	<b>6,333</b>	<b>7,117</b>	<b>-11.0%</b>	341,052	336,377	1.4%
<b>Southeast</b>	17,852	21,038	-15.1%	<b>17,852</b>	<b>21,038</b>	<b>-15.1%</b>	1,033,368	1,012,401	2.1%
<b>South Central</b>	13,472	14,948	-9.9%	<b>13,472</b>	<b>14,948</b>	<b>-9.9%</b>	839,059	779,190	7.7%
<b>Rocky Mountain</b>	5,472	5,631	-2.8%	<b>5,472</b>	<b>5,631</b>	<b>-2.8%</b>	295,982	293,215	0.9%
<b>Pacific Northwest</b>	3,515	3,877	-9.3%	<b>3,515</b>	<b>3,877</b>	<b>-9.3%</b>	161,002	159,589	0.9%
<b>Pacific Southwest</b>	4,933	4,912	0.4%	<b>4,933</b>	<b>4,912</b>	<b>0.4%</b>	273,623	268,752	1.8%
<b>Total United States <sup>1/</sup></b>	<u>73,106</u>	<u>82,453</u>	-11.3%	<u><b>73,106</b></u>	<u><b>82,453</b></u>	<b>-11.3%</b>	<u>4,133,554</u>	<u>4,034,907</u>	2.4%
<b>Coal Regions Only <sup>2/</sup></b>	62,466	71,248	-12.3%	<b>62,466</b>	<b>71,248</b>	<b>-12.3%</b>	3,583,372	3,490,635	2.7%

**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*.

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January 9, 2023

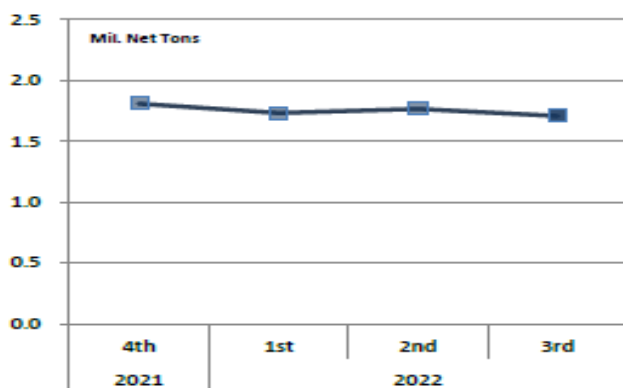
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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>Jan 7</u>	<u>Dec 31</u>	
<b><u>Week Ending</u></b>				North East	128	125
				Great Lakes	541	544
January 7, 2023	1,595	-0.4	71.3	Midwest	200	195
January 7, 2022	1,735	-8.1	79.8	Southern	654	663
December 31, 2022	1,602	-0.7	71.8	Western	<u>72</u>	<u>75</u>
				<b>Total</b>	<b>1,595</b>	<b>1,602</b>
<b><u>Year-to-Date +</u></b>						
January 7, 2023	1,595	-8.1	71.3			
January 7, 2022	1,735	-	79.8			

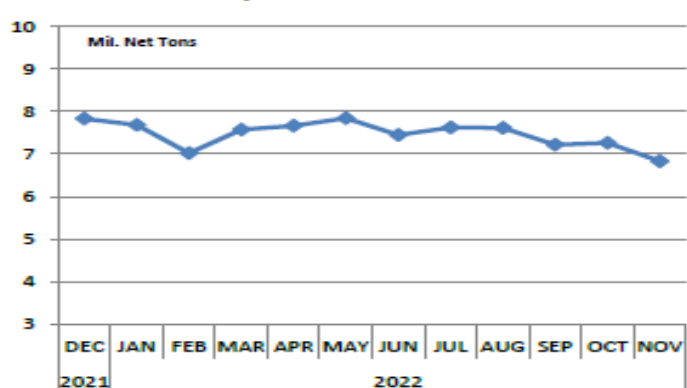
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 September 2022 was approximately 76.4%, 7.19 million net tons.

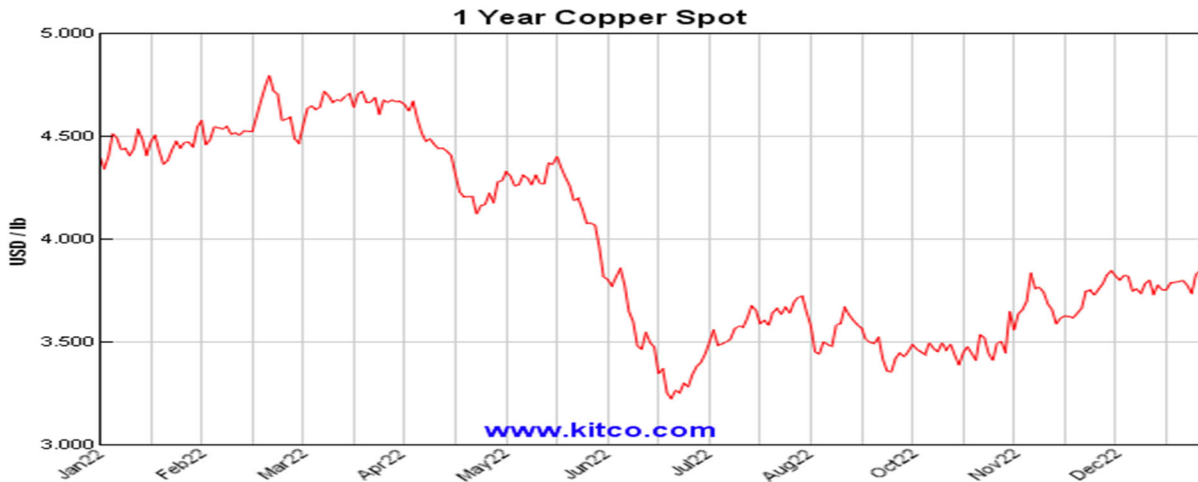
**Average Weekly Raw Steel Production**



**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 1, 2023 – Ended January 7, 2023**

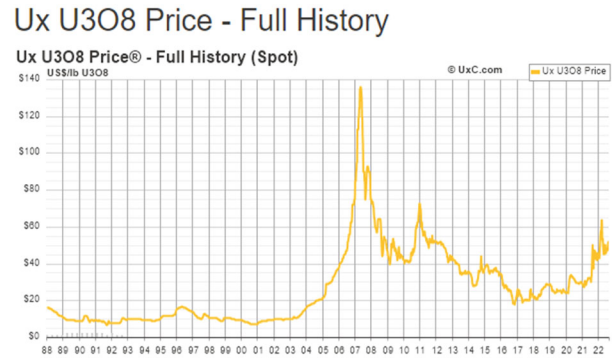
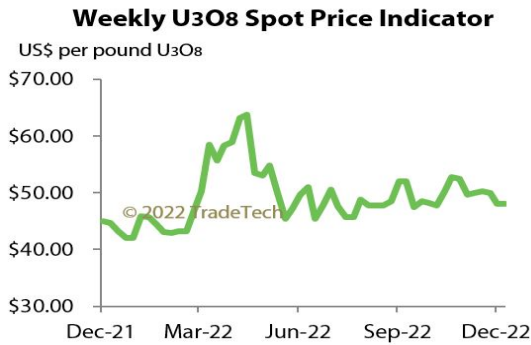
	This Week		Year-To-Date		
	Cars	vs 2022	Cumulative	Avg/wk <sup>2</sup>	vs 2022
<b>Total Carloads</b>	<b>212,962</b>	<b>1.4%</b>	<b>212,962</b>	<b>212,962</b>	<b>1.4%</b>
Chemicals	27,356	-20.4%	27,356	27,356	-20.4%
Coal	63,928	16.1%	63,928	63,928	16.1%
Farm Products excl. Grain, and Food	15,435	1.2%	15,435	15,435	1.2%
Forest Products	8,574	-11.5%	8,574	8,574	-11.5%
Grain	22,089	1.1%	22,089	22,089	1.1%
Metallic Ores and Metals	20,303	2.5%	20,303	20,303	2.5%
Motor Vehicles and Parts	11,752	8.9%	11,752	11,752	8.9%
Nonmetallic Minerals	26,390	3.0%	26,390	26,390	3.0%
Petroleum and Petroleum Products	10,119	13.6%	10,119	10,119	13.6%
Other	7,016	-19.4%	7,016	7,016	-19.4%
<b>Total Intermodal Units</b>	<b>203,527</b>	<b>-11.8%</b>	<b>203,527</b>	<b>203,527</b>	<b>-11.8%</b>
<b>Total Traffic</b>	<b>416,489</b>	<b>-5.5%</b>	<b>416,489</b>	<b>416,489</b>	<b>-5.5%</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.

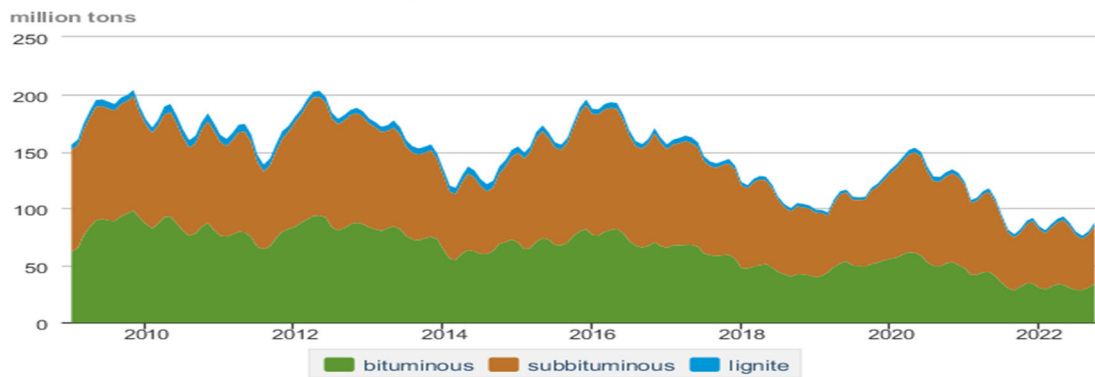
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

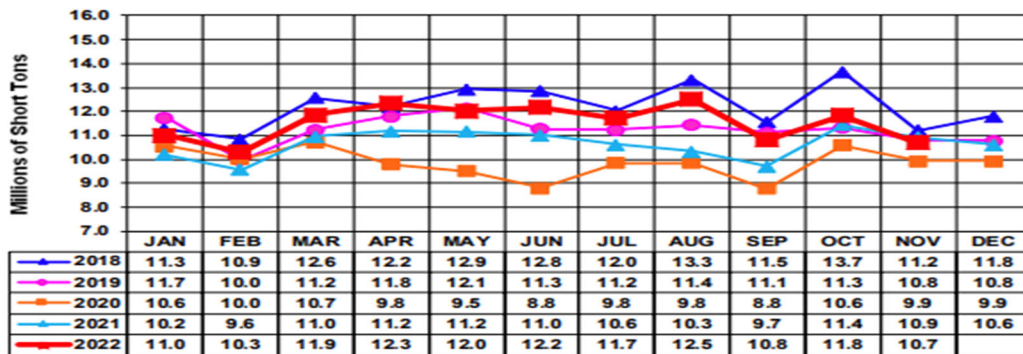
### Coal stocks by type, January 2009 - October 2022



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.

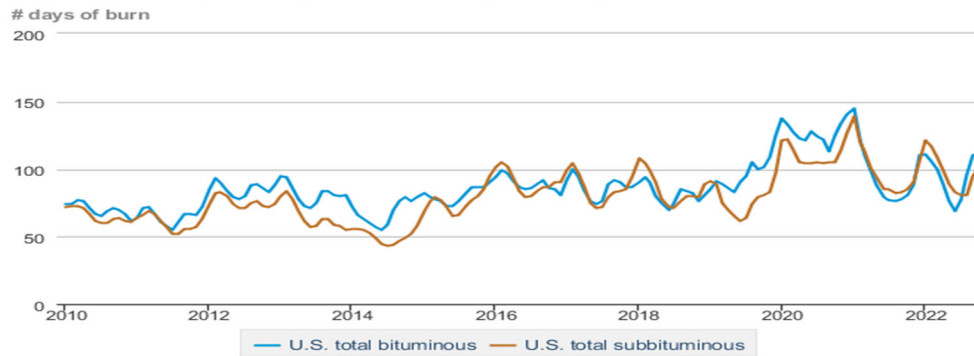
Source: Waterborne Commerce Statistics Center

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

	Week ending					Week ago
	12/09/22	12/16/22	12/23/22	12/30/22	01/06/23	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$199.40	\$199.40	\$205.55	\$205.55	\$138.00	\$-67.55
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$203.45	\$203.45	\$209.70	\$209.70	\$115.00	\$-94.70
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$168.25	\$168.25	\$168.25	\$168.25	\$116.00	\$-52.25
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$15.60	\$15.60	\$15.55	\$15.55	\$15.50	\$-0.05
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$41.35	\$41.35	\$41.20	\$41.20	\$37.85	\$-3.35

Source: Energy Information Administration (with permission from S&P Global), *Coal Market Report*

### Days of burn by non-lignite coal rank, January 2010 - October 2022



 Data source: U.S. Energy Information Administration

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

### Temperature – heating & cooling degree days (week ending Dec 15)

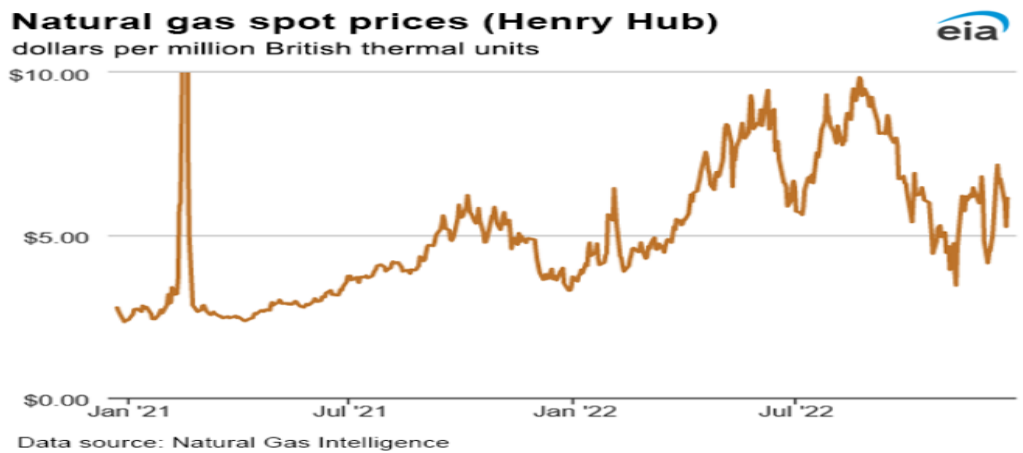
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	241	13	57	0	0	0
Middle Atlantic	231	13	67	0	0	0
E N Central	203	-46	39	0	0	0
W N Central	224	-51	42	0	0	0
South Atlantic	135	-18	12	10	2	-4
E S Central	93	-64	-10	0	-1	-1
W S Central	60	-57	9	13	11	-5
Mountain	236	12	38	0	0	0
Pacific	153	34	8	0	0	0
United States	178	-16	31	3	2	-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	October 2022		October 2021		% Change of Stocks	September 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,200	365	2,164	350	1.6%	1,925	365	14.3%
	Subbituminous								
South	Bituminous	14,816	114	12,039	86	23.1%	12,480	108	18.7%
	Subbituminous	3,611	65	3,297	52	9.5%	3,584	63	0.8%
Midwest	Bituminous	8,322	90	6,298	58	32.1%	7,247	87	14.8%
	Subbituminous	20,656	116	19,527	105	5.8%	17,096	111	20.8%
West	Bituminous	2,681	155	1,800	88	48.9%	3,029	163	-11.5%
	Subbituminous	16,759	97	15,142	73	10.7%	14,939	90	12.2%
U.S. Total	Bituminous	28,018	112	22,302	81	25.6%	24,681	110	13.5%
	Subbituminous	41,026	101	37,966	85	8.1%	35,619	95	15.2%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

## EIA Working Natural Gas Underground Storage

### Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-12-16	2022-12-09	change
East	789	822	-33
Midwest	974	1,002	-28
Mountain	178	186	-8
Pacific	186	203	-17
South Central	1,199	1,199	0
Total	3,325	3,412	-87

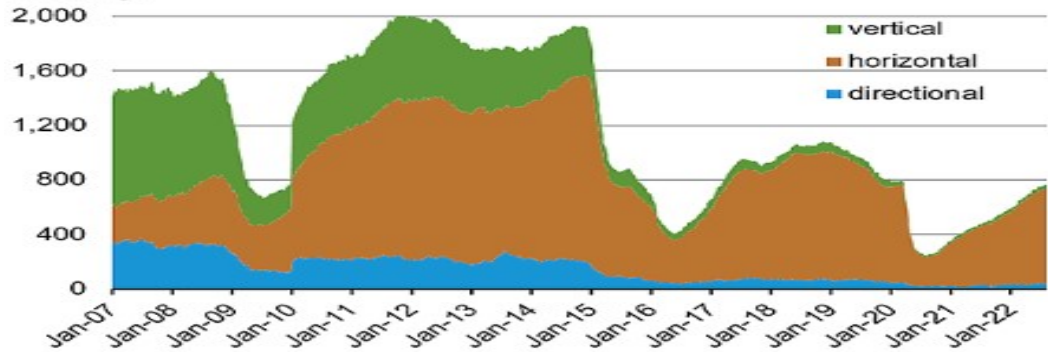
Data source: U.S. Energy Information Administration Form EIA-912, *Weekly Underground Natural Gas Storage Report*

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

## EIA Natural Gas Rig Count

### Weekly total rig count

active rigs



Data source: Baker Hughes Company

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		
	December 2022	January 2023	change	December 2022	January 2023	change
Anadarko	697	698	1	3,857	3,903	46
Appalachia	191	191	-	25,981	25,591	(390)
Bakken	1,710	1,720	10	2,547	2,568	21
Eagle Ford	1,522	1,507	(15)	6,041	5,969	(72)
Haynesville	19	19	-	10,760	10,738	(22)
Niobrara	1,388	1,381	(7)	3,492	3,440	(52)
Permian	1,060	1,059	(1)	2,089	2,066	(23)
Rig-weighted average	956	958	2	5,542	5,441	(101)

Source: Energy Information Administration, *Drilling Productivity Report*

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

Cobalt - September 2022	Sep-22	Year to Date
U.S. Imports for Consumption - Metals (mt)	578	5,380
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	349	3,780
Reported Stocks of Cobalt Metal (mt)	<b>U.S. Govt</b>	<b>LME</b>
	302	175
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	25.9	23.25

Source: USGS, Mineral Industry Survey, Cobalt in September 2022, December 2022

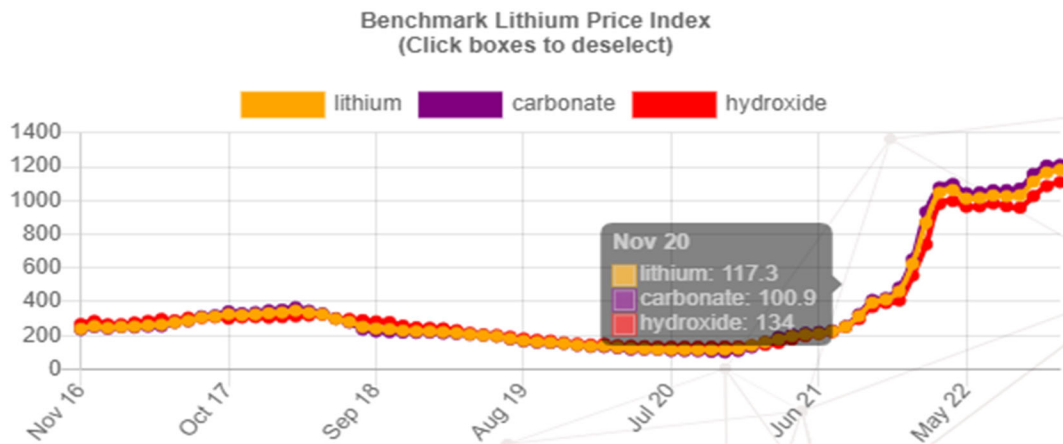
### Cobalt and Lithium Prices

#### 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/>