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# NATIONAL MINING ASSOCIATION

## *Weekly Statistical Summary*

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**February 25, 2022 Edition**  
**(Data for Week Ending February 19, 2022)**

**Prepared by**  
**National Mining Association**



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# NMA Weekly Statistical Summary

Vol. 60, No.8  
Dated 02/25/22

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	02/19/22	02/20/21	% Chng	02/19/22	02/19/21	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	12,429	8,949	38.9%	82,328	76,051	8.3%
52 Weeks Ended	583,530	520,775	12.1%			
AAR Coal Rail Cars Loaded:	71,293	48,745	46.3%	469,062	414,634	13.1%
Coal Production	<b>January 22/21</b>		<b>% Chng</b>	<b>Jan - Jan 22/21</b>		<b>% Chng</b>
Month Ended - January	49,631	48,566	2.2%	49,631	48,566	2.2%
<b>DOC Coal Trade (000 Tons)</b>						
<b>Exports:</b>	<b>Dec 21/20</b>		<b>% Chng</b>	<b>Jan - Dec 21/20</b>		<b>% Chng</b>
Metallurgical	3,955	4,100	-3.5%	45,336	42,106	7.7%
Steam Bit. *	3,392	2,838	19.5%	39,517	26,639	48.3%
Lignite	7	7	0.0%	78	90	-13.3%
Anthracite	48	61	-21.3%	329	297	10.8%
<b>Total</b>	<b>7,402</b>	<b>7,006</b>	<b>5.7%</b>	<b>85,260</b>	<b>69,132</b>	<b>23.3%</b>
<b>Imports:</b>	689	423	62.9%	5,390	5,098	5.7%
	<b>Week Ended</b>			<b>Cumulative Week 1 to</b>		
	<b>02/19/22</b>	<b>02/20/21</b>	<b>% Chng</b>	<b>02/19/22</b>	<b>02/20/21</b>	<b>% Chng</b>
<b>EEl Electric Total Output (Mil. Kwh)</b>	78,773	85,601	-8.0%	648,465	636,973	1.8%
<b>EEl Coal Region Output (Mil. Kwh)</b>	68,445	74,908	-8.6%	561,043	551,998	1.6%
<b>AISI Raw Steel Output (000 Tons)</b>	1,764	1,740	1.4%	12,807	12,412	3.2%

## EIA (S&P Global) AVERAGE COAL & NATURAL GAS SPOT PRICES Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	02/18/22	02/11/22	% Chng	Wed.	02/16/22
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$90.55	\$89.70	0.9%	Henry Hub	4.39
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	73.35	73.35	0.0%	New York	3.77
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	75.50	75.50	0.0%	Chicago	4.32
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	21.65	23.90	-9.4%	Cal.Comp.Avg.	4.41
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	29.35	29.35	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



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THE AMERICAN RESOURCE

National Mining Association Web Site: [http:// www.nma.org](http://www.nma.org)

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

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	2/19/2022 (week 8)	2/12/2022 (week 7)	2/20/2021 (week 8)	2/19/2022	2/19/2021	% Change	2/19/2022	2/20/2021	% Change
Alabama	182	203	198	1,297	1,686	-23.1	9,641	11,870	-18.8
Alaska	25	22	20	159	168	-5.0	1,065	1,013	5.1
Colorado	225	223	154	1,509	1,313	14.9	11,303	9,736	16.1
Illinois	947	974	714	6,428	6,069	5.9	39,918	32,442	23.0
Indiana	386	369	311	2,546	2,645	-3.7	18,928	18,954	-0.1
<b>Kentucky Total</b>	<b>581</b>	<b>569</b>	<b>420</b>	<b>3,867</b>	<b>3,570</b>	<b>8.3</b>	<b>26,893</b>	<b>23,400</b>	<b>14.9</b>
Eastern (KY)	221	225	147	1,491	1,251	19.2	10,135	8,105	25.0
Western (KY)	360	344	273	2,376	2,319	2.5	16,758	15,294	9.6
Louisiana	4	4	4	30	31	-2.9	288	448	-35.7
Maryland	29	26	22	186	186	0.1	1,281	1,113	15.1
Mississippi	66	65	52	435	440	-1.1	3,138	2,689	16.7
Missouri	2	1	1	10	10	6.0	66	142	-53.5
Montana	583	572	419	3,890	3,559	9.3	28,364	25,242	12.4
New Mexico	156	161	150	1,067	1,275	-16.3	8,301	9,605	-13.6
North Dakota	541	558	446	3,699	3,793	-2.5	27,140	25,864	4.9
Ohio	51	45	48	329	408	-19.4	2,615	3,232	-19.1
Oklahoma	.	.	.	.	.	.	s	s	.
<b>Pennsylvania Total</b>	<b>1,093</b>	<b>1,054</b>	<b>750</b>	<b>7,213</b>	<b>6,378</b>	<b>13.1</b>	<b>45,061</b>	<b>35,934</b>	<b>25.4</b>
Anthracite (PA)	36	36	31	244	268	-8.9	1,943	2,236	-13.1
Bituminous (PA)	1,057	1,018	719	6,969	6,110	14.1	43,118	33,698	28.0
Tennessee	.	.	.	.	.	.	.	35	.
Texas	294	290	238	1,977	2,020	-2.1	16,631	18,640	-10.8
Utah	249	239	200	1,647	1,696	-2.9	12,466	12,717	-2.0
Virginia	244	235	171	1,614	1,453	11.1	11,168	9,379	19.1
<b>West Virginia Total</b>	<b>1,812</b>	<b>1,749</b>	<b>1,268</b>	<b>11,965</b>	<b>10,773</b>	<b>11.1</b>	<b>79,919</b>	<b>67,098</b>	<b>19.1</b>
Northern (WV)	1,073	1,032	731	7,084	6,211	14.1	46,249	37,978	21.8
Southern (WV)	739	717	537	4,881	4,562	7.0	33,670	29,120	15.6
Wyoming	4,959	4,677	3,363	32,460	28,580	13.6	239,343	211,222	13.3
<b>Appalachian Total</b>	<b>3,632</b>	<b>3,538</b>	<b>2,605</b>	<b>24,095</b>	<b>22,134</b>	<b>8.9</b>	<b>159,820</b>	<b>136,768</b>	<b>16.9</b>
<b>Interior Total</b>	<b>2,059</b>	<b>2,048</b>	<b>1,592</b>	<b>13,802</b>	<b>13,533</b>	<b>2.0</b>	<b>95,727</b>	<b>88,609</b>	<b>8.0</b>
<b>Western Total</b>	<b>6,738</b>	<b>6,453</b>	<b>4,752</b>	<b>44,431</b>	<b>40,384</b>	<b>10.0</b>	<b>327,983</b>	<b>295,398</b>	<b>11.0</b>
<b>East of Mississippi River</b>	<b>5,392</b>	<b>5,291</b>	<b>3,954</b>	<b>35,880</b>	<b>33,607</b>	<b>6.8</b>	<b>238,562</b>	<b>206,147</b>	<b>15.7</b>
<b>West of Mississippi River</b>	<b>7,038</b>	<b>6,748</b>	<b>4,994</b>	<b>46,448</b>	<b>42,444</b>	<b>9.4</b>	<b>344,967</b>	<b>314,628</b>	<b>9.6</b>
Bituminous and Lignite	12,393	12,003	8,917	82,084	75,783	8.3	581,587	518,539	12.2
Anthracite	36	36	31	244	268	-8.9	1,943	2,236	-13.1
<b>U.S. Total</b>	<b>12,429</b>	<b>12,039</b>	<b>8,949</b>	<b>82,328</b>	<b>76,051</b>	<b>8.3</b>	<b>583,530</b>	<b>520,775</b>	<b>12.1</b>
Railroad Cars Loaded	71,293	69,021	48,745	469,062	414,634	13.1	3,382,965	2,936,303	15.2

Source: Energy Information Administration



## Weekly Electric Output

Volume 90 No. 8

### OUTPUT FOR WEEK ENDED - Feb 19, 2022

Feb 24, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Feb 19, 2022** was **78,773** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **194** on the weekly electric output index.

### WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended February 19		52 Weeks Ended February 19	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,401	-1.5	116,275	1.0
Mid-Atlantic	8,613	-2.8	419,765	2.1
Central Industrial	13,615	-6.8	652,111	2.7
West Central	6,669	-8.3	336,720	4.2
Southeast	19,810	-10.9	1,015,317	1.7
South Central	14,423	-12.9	781,182	2.1
Rocky Mountain	5,315	-1.3	294,225	2.6
Pacific Northwest	3,311	-9.3	159,271	3.4
Pacific Southwest	4,616	0.2	269,261	1.3
Total United States	78,773	-8.0	4,044,127	2.3

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

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Jan 29	85,093	Jan 30	78,912	7.8	Jan 29	4,050,391	3.0
Feb 05	84,301	Feb 06	79,582	5.9	Feb 05	4,055,111	3.0
Feb 12	79,531	Feb 13	83,686	-5.0	Feb 12	4,050,955	2.7
Feb 19	78,773	Feb 20	85,601	-8.0	Feb 19	4,044,127	2.3
<b>Feb 19</b>	<b>648,465</b>	<b>Feb 20</b>	<b>636,973</b>	<b>1.8</b>	<b>YEAR TO DATE, FIRST 8 WEEKS</b>		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Jan 29	205	Jan 30	174	Feb 01	171
Feb 05	203	Feb 06	176	Feb 08	169
Feb 12	193	Feb 13	190	Feb 15	177
Feb 19	194	Feb 20	197	Feb 22	179

\* Excludes Alaska and Hawaii.

+ Includes investor-owned companies, cooperatives and government-owned utilities.

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	19-Feb 2022 GWh Output	20-Feb 2021 GWh Output	% Increase Over Corresponding Week	19-Feb 2022 GWh Output	20-Feb 2021 GWh Output	% Increase Over Corresponding Week	19-Feb 2022 GWh Output	20-Feb 2021 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	2,401	2,437	-1.5%	<b>19,648</b>	<b>19,303</b>	<b>1.8%</b>	116,275	115,139	1.0%
<b>Mid-Atlantic</b>	8,613	8,859	-2.8%	<b>69,303</b>	<b>67,834</b>	<b>2.2%</b>	419,765	411,136	2.1%
<b>Central Industrial</b>	13,615	14,606	-6.8%	<b>108,810</b>	<b>107,741</b>	<b>1.0%</b>	652,111	635,000	2.7%
<b>West Central</b>	6,669	7,271	-8.3%	<b>54,726</b>	<b>53,140</b>	<b>3.0%</b>	336,720	323,271	4.2%
<b>Southeast</b>	19,810	22,231	-10.9%	<b>164,891</b>	<b>164,412</b>	<b>0.3%</b>	1,015,317	998,197	1.7%
<b>South Central</b>	14,423	16,558	-12.9%	<b>118,064</b>	<b>114,900</b>	<b>2.8%</b>	781,182	764,754	2.1%
<b>Rocky Mountain</b>	5,315	5,383	-1.3%	<b>45,249</b>	<b>43,971</b>	<b>2.9%</b>	294,225	286,790	2.6%
<b>Pacific Northwest</b>	3,311	3,651	-9.3%	<b>29,482</b>	<b>28,383</b>	<b>3.9%</b>	159,271	153,990	3.4%
<b>Pacific Southwest</b>	4,616	4,605	0.2%	<b>38,291</b>	<b>37,289</b>	<b>2.7%</b>	269,261	265,707	1.3%
<b>Total United States <sup>1/</sup></b>	<b>78,773</b>	<b>85,601</b>	<b>-8.0%</b>	<b>648,464</b>	<b>636,973</b>	<b>1.8%</b>	<b>4,044,127</b>	<b>3,953,984</b>	<b>2.3%</b>
<b>Coal Regions Only <sup>2/</sup></b>	68,445	74,908	-8.6%	<b>561,043</b>	<b>551,998</b>	<b>1.6%</b>	3,499,320	3,419,148	2.3%

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.

<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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February 22, 2022

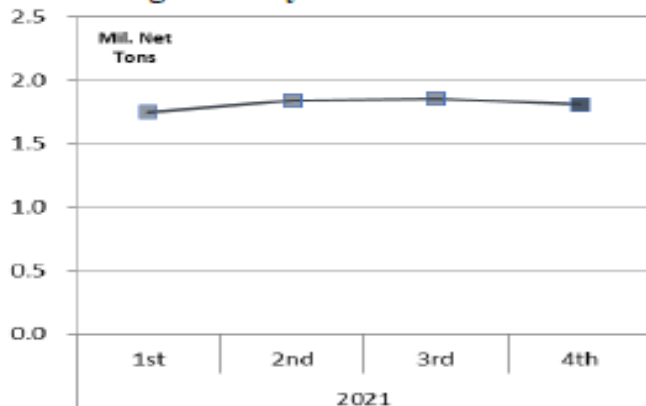
**ESTIMATED WEEKLY RAW STEEL\* PRODUCTION**

<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</u>		
				<u>Feb 19</u>	<u>Feb 12</u>	
<b><u>Week Ending</u></b>				North East	171	173
				Great Lakes	601	607
February 19, 2022	1,764	0.3	80.1	Midwest	192	195
February 19, 2021	1,740	1.4	76.8	Southern	729	715
February 12, 2022	1,758	-1.5	79.8	Western	71	68
				<b>Total</b>	<b>1,764</b>	<b>1,758</b>
<b><u>Year-to-Date +</u></b>						
February 19, 2022	12,807	3.2	81.4			
February 19, 2021	12,412	-	76.7			

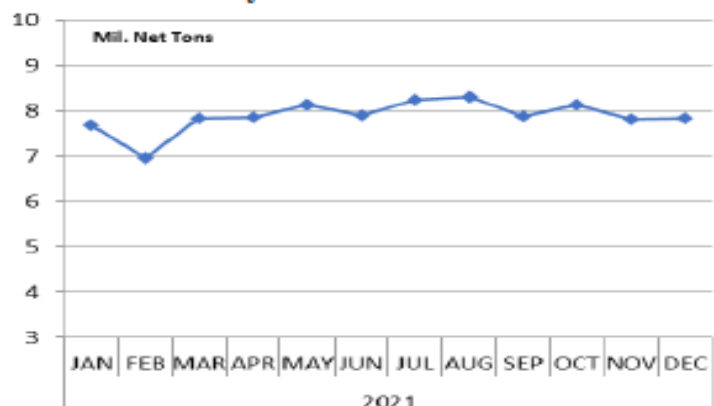
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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: Capacity for the first quarter 2022 is approximately 28.3 million net tons. Given the large number of changes to steelmaking capability and the evolving market, AISI is updating the capacity statistics.

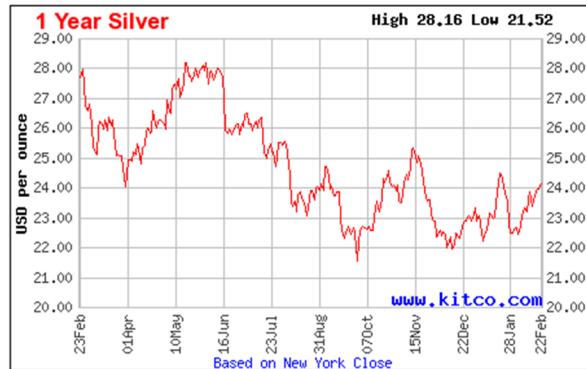
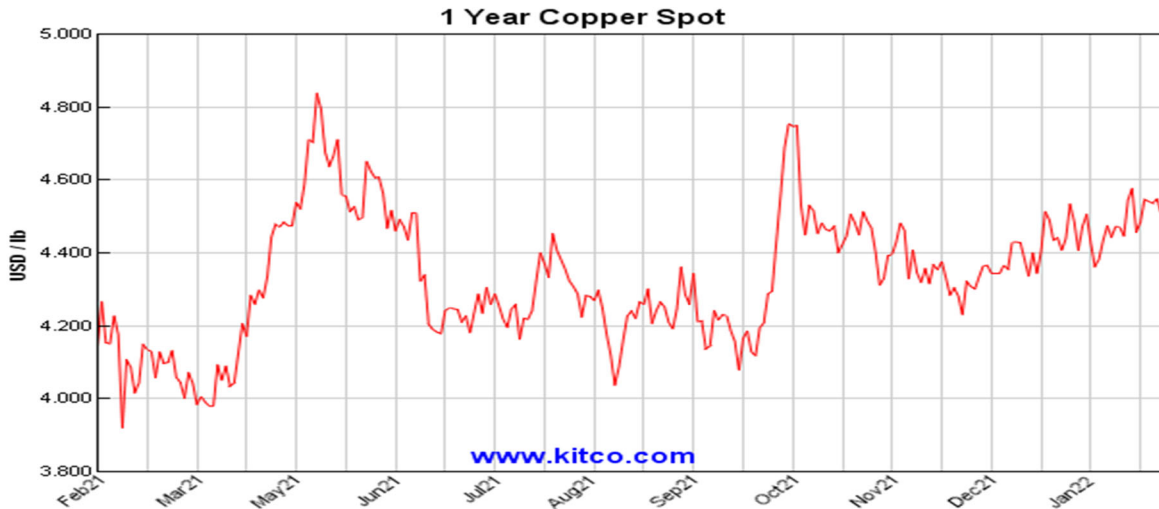
**Average Weekly Raw Steel Production**



**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 7, 2022 – Ended February 19, 2022

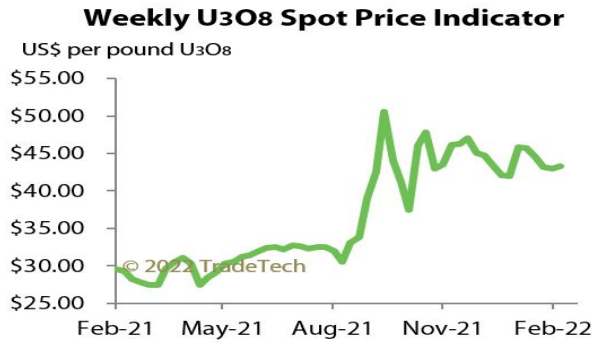
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk <sup>2</sup>	vs 2021
<b>Total Carloads</b>	<b>237,256</b>	<b>38.2%</b>	<b>1,594,264</b>	<b>227,752</b>	<b>3.6%</b>
Chemicals	35,305	48.0%	241,309	34,473	6.3%
Coal	71,293	46.3%	461,817	65,974	13.6%
Farm Products excl. Grain, and Food	16,206	23.1%	113,645	16,235	2.3%
Forest Products	10,235	25.0%	70,042	10,006	1.8%
Grain	25,017	32.9%	167,313	23,902	-5.8%
Metallic Ores and Metals	19,839	17.2%	141,010	20,144	-2.4%
Motor Vehicles and Parts	12,267	13.5%	83,235	11,891	-15.3%
Nonmetallic Minerals	28,554	77.5%	187,021	26,717	13.5%
Petroleum and Petroleum Products	9,257	13.6%	65,987	9,427	-14.4%
Other	9,283	34.9%	62,885	8,984	-1.8%
<b>Total Intermodal Units</b>	<b>260,566</b>	<b>26.3%</b>	<b>1,769,900</b>	<b>252,843</b>	<b>-7.7%</b>
<b>Total Traffic</b>	<b>497,822</b>	<b>31.7%</b>	<b>3,364,164</b>	<b>480,595</b>	<b>-2.7%</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.

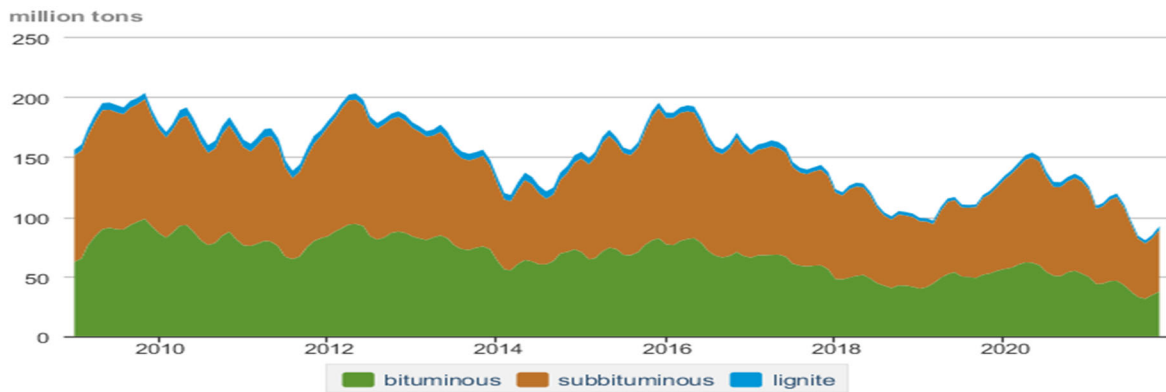
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

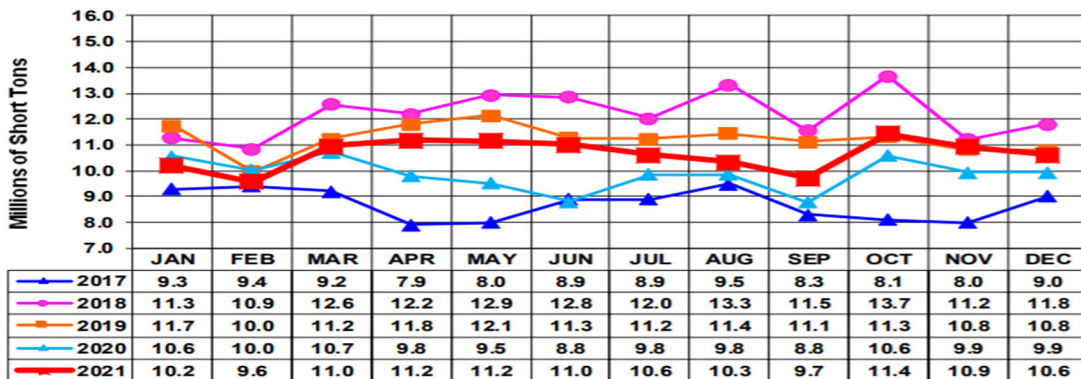
### Coal stocks by type, January 2009 - November 2021



Source: U.S. Energy Information Administration

Source: Energy Information Administration, Electric Monthly Update

### Coal and Coke Monthly Indicator for Internal U.S. Waterways



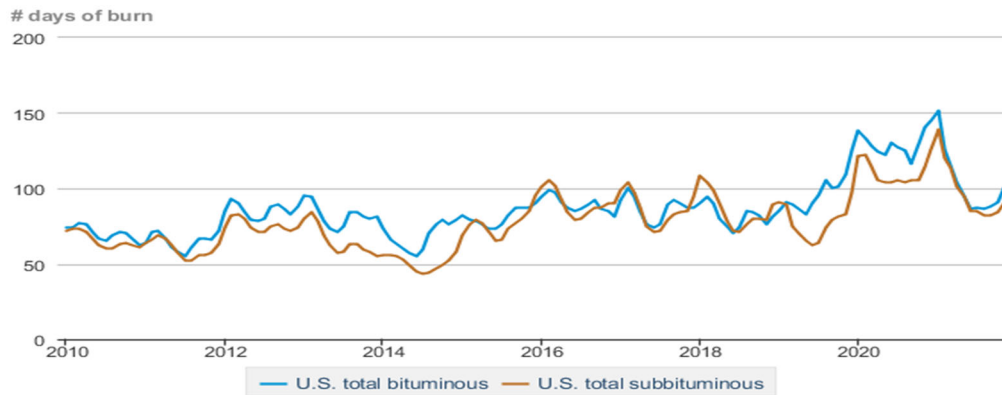
Source: Waterborne Commerce Statistics Center

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

	Week ending					Week ago change
	01/21/22	01/28/22	02/04/22	02/11/22	02/18/22	
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$89.70	\$89.70	\$89.70	\$89.70	\$90.55	\$0.85
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$73.35	\$73.35	\$73.35	\$73.35	\$73.35	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$87.90	\$75.50	\$75.50	\$75.50	\$75.50	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$29.05	\$23.90	\$23.90	\$23.90	\$21.65	\$-2.25
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$32.10	\$29.35	\$29.35	\$29.35	\$29.35	\$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 - November 2021**



 Source: U.S. Energy Information Administration

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

Region	Temperature – heating & cooling degree days (week ending Feb 10)					
	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	251	-18	-18	0	0	0
Middle Atlantic	248	-9	-11	0	0	0
E N Central	200	9	-64	0	0	0
W N Central	277	-12	-111	0	0	0
South Atlantic	163	-8	0	4	-3	-5
E S Central	192	21	22	0	0	0
W S Central	156	35	44	0	-4	-2
Mountain	213	1	7	0	-1	0
Pacific	76	-31	-30	0	0	0
United States	208	-3	-26	1	0	-1

Source: Chart by the U.S. Energy Information Administration (EIA), based on data from the National Oceanic and Atmospheric Administration  
Note: HDDs=heating degree days; CDDs=cooling degree days

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

USGS Production of Selected Mineral Commodities	2021 Year to Date - 3rd Quarter	2020 Year to Date - 3rd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	628.0	543.0	16%
Cement (Mil. Mt.)	67.6	66.3	2%
Copper (000 Mt.)	912.0	906.0	1%
Gold (Mt.)	135.0	144.0	-6%
Gypsum (Mil. Mt.)	14.2	12.8	11%
Iron Ore (Mil. Mt.)	34.9	27.0	29%
Lead (000 Mt.)	220.0	219.0	0%
Molybdenum (000 Mt.)	31.8	37.7	-16%
Phosphate rock (Mil. Mt.)	16.6	18.0	-8%
Sand & gravel, construction (Mil. Mt.)	753.0	705.0	7%
Silver (Mt.)	773.0	760.0	2%
Soda ash (Mil. Mt.)	8.7	7.3	19%
Stone, crushed (Mil. Mt.)	1,140.0	1,110.0	3%
Zinc (000 Mt.)	530.0	505.0	5%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2020 data are preliminary estimates. W - withheld, N/A - not available



Source: Graph by the U.S. Energy Information Administration (EIA), based on data from Natural Gas Intelligence  
 Note: Henry Hub prices reported for February 16 and 17, 2021, exceeded the published range, averaging \$16.96/MMBtu and \$23.61/MMBtu, respectively.

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	November 2021		November 2020		% Change of Stocks	October 2021		% Chang of Stock
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,525	365	4,135	325	-38.9%	2,164	350	16.7%
	Subbituminous	.	.	160	139	.	.	.	.
South	Bituminous	13,129	90	21,268	130	-38.3%	12,052	85	8.9%
	Subbituminous	3,565	59	6,539	100	-45.5%	3,297	52	8.1%
Midwest	Bituminous	9,827	93	14,001	121	-29.8%	9,252	86	6.2%
	Subbituminous	19,739	104	28,798	133	-31.5%	19,179	104	2.9%
West	Bituminous	1,993	101	3,934	197	-49.3%	1,800	88	10.8%
	Subbituminous	17,034	86	24,124	103	-29.4%	15,142	73	12.5%
U.S. Total	Bituminous	27,475	100	43,338	140	-36.6%	25,268	91	8.7%
	Subbituminous	40,338	90	59,621	114	-32.3%	37,618	84	7.2%

Source: Energy Information Administration, *Electricity Monthly Update*

### EIA Working Natural Gas Underground Storage

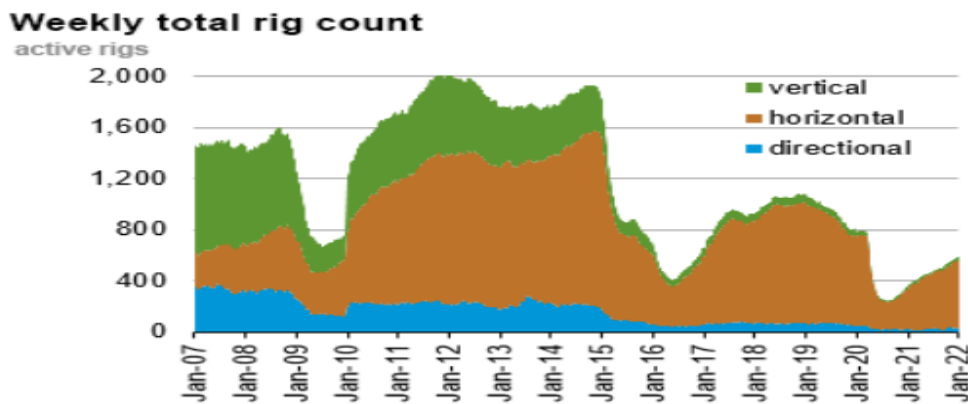
**Working gas in underground storage**

Region	Stocks billion cubic feet (Bcf)		
	2022-02-11	2022-02-04	change
East	435	485	-50
Midwest	496	552	-56
Mountain	114	121	-7
Pacific	177	181	-4
South Central	689	763	-74
<b>Total</b>	<b>1,911</b>	<b>2,101</b>	<b>-190</b>

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



Source: Graph by the U.S. Energy Information Administration (EIA), based on data from Baker Hughes Company

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					
	February 2022	March 2022	change	February 2022	March 2022	change			
Anadarko	781	764	(17)	4,044	3,923	(121)			
Appalachia	189	189	-	30,747	30,378	(369)			
Bakken	2,056	1,963	(93)	2,878	2,748	(130)			
Eagle Ford	2,232	2,166	(66)	8,005	7,764	(241)			
Haynesville	19	19	-	12,354	12,255	(99)			
Niobrara	1,608	1,592	(16)	4,306	4,220	(86)			
Permian	1,192	1,178	(14)	2,321	2,293	(28)			
Rig-weighted average	1,123	1,094	(29)	6,263	6,321	58			

Source: Energy Information Administration, *Drilling Productivity Report*

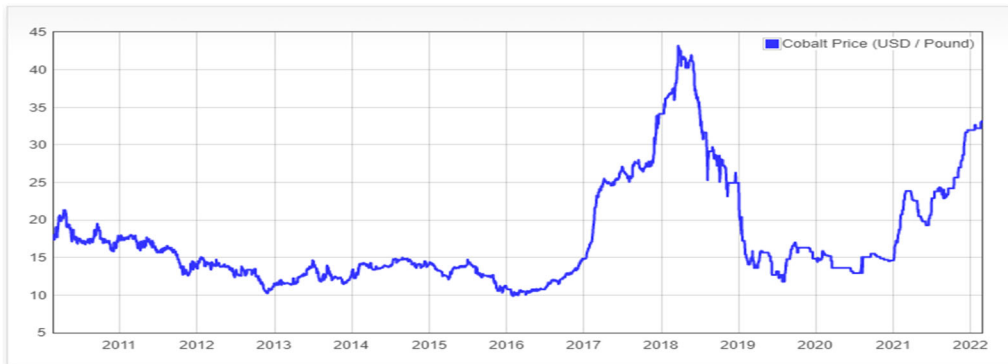
### USGS Cobalt – U.S. Trade, Reported Stocks and Listed Prices

Cobalt - September 2021	Sep-21	Year to Date
U.S. Imports for Consumption - Metals (mt)	577	5,580
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	345	3,680
Reported Stocks of Cobalt Metal (mt)	U.S. Govt	LME
	302	280
Listed Prices by Type (\$/lb)	24.71	23.36

Source: U.S. Geological Survey, Mineral Industry Surveys, January 2022

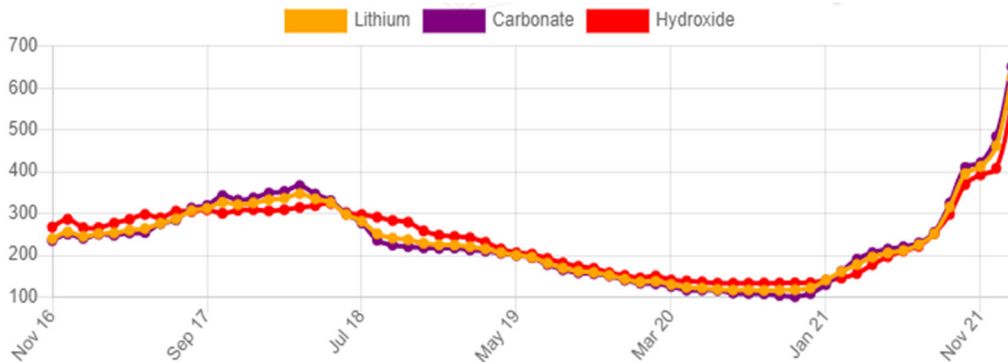
### Cobalt and Lithium Prices

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



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

#### Lithium Price Index:



Sources: Benchmark Mineral Intelligence - <https://www.benchmarkminerals.com/lithium-prices/>