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# NATIONAL MINING ASSOCIATION

## *Weekly Statistical Summary*

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**May 27, 2022 Edition**  
**(Data for Week Ending May 21, 2022)**

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



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# NMA Weekly Statistical Summary

Vol. 60, No. 21  
Dated 05/27/22

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	05/21/22	05/22/21	% Chng	05/21/22	05/21/21	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	11,178	10,913	2.4%	225,806	218,617	3.3%
52 Weeks Ended	583,831	539,161	8.3%			
AAR Coal Rail Cars Loaded:	65,609	64,641	1.5%	1,301,848	1,228,486	6.0%
Coal Production	<b>April 22/21</b>		<b>% Chng</b>	<b>Jan - Apr 22/21</b>		<b>% Chng</b>
Month Ended - April	45,495	45,318	0.4%	192,934	185,624	3.9%
<b>DOC Coal Trade (000 Tons)</b>						
<b>Exports:</b>	<b>Mar 22/21</b>		<b>% Chng</b>	<b>Jan - Mar 22/21</b>		<b>% Chng</b>
Metallurgical	3,533	3,390	4.2%	10,476	10,348	1.2%
Steam Bit. *	3,768	4,162	-9.5%	9,685	10,254	-5.5%
Lignite	7	7	0.0%	19	21	-9.5%
Anthracite	8	27	-70.4%	19	98	-80.6%
<b>Total</b>	<b>7,316</b>	<b>7,586</b>	<b>-3.6%</b>	<b>20,199</b>	<b>20,721</b>	<b>-2.5%</b>
<b>Imports:</b>	530	241	119.9%	1,322	1,075	23.0%
	<b>Week Ended</b>			<b>Cumulative Week 1 to</b>		
	<b>05/21/22</b>	<b>05/22/21</b>	<b>% Chng</b>	<b>05/21/22</b>	<b>05/22/21</b>	<b>% Chng</b>
<b>EEl Electric Total Output (Mil. Kwh)</b>	79,907	72,050	10.9%	1,600,497	1,541,053	3.9%
<b>EEl Coal Region Output (Mil. Kwh)</b>	70,183	62,687	12.0%	1,386,287	1,330,770	4.2%
<b>AISI Raw Steel Output (000 Tons)</b>	1,789	1,834	-2.5%	35,199	35,843	-1.8%

## 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)	
	05/20/22	05/13/22	% Chng	Wed.	05/18/22
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$125.80	\$125.80	0.0%	Henry Hub	8.45
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	98.95	98.95	0.0%	New York	7.78
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	122.75	122.75	0.0%	Chicago	8.16
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	15.50	15.50	0.0%	Cal.Comp.Avg.	7.74
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	37.25	37.25	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		
	5/21/2022 (week 21)	5/14/2022 (week 20)	5/22/2021 (week 21)	5/21/2022	5/21/2021	% Change	5/21/2022	5/22/2021	% Change
Alabama	148	137	162	3,343	4,270	-21.7	8,370	11,314	-26.0
Alaska	18	17	18	404	438	-7.9	1,005	1,040	-3.4
Colorado	230	220	197	4,394	3,838	14.5	12,406	9,913	25.1
Illinois	752	682	750	16,362	16,576	-1.3	36,603	35,304	3.7
Indiana	351	338	354	7,075	7,421	-4.7	19,079	18,864	1.1
<b>Kentucky total</b>	<b>528</b>	<b>517</b>	<b>513</b>	<b>10,668</b>	<b>10,264</b>	<b>3.9</b>	<b>26,972</b>	<b>24,829</b>	<b>8.6</b>
Eastern (KY)	222	219	202	4,285	3,759	14.0	10,838	8,677	24.9
Western (KY)	306	297	310	6,383	6,505	-1.9	16,134	16,152	-0.1
Louisiana	5	5	5	92	92	0.9	300	285	5.3
Maryland	26	25	22	522	501	4.2	1,330	1,121	18.6
Mississippi	66	64	63	1,243	1,267	-1.9	3,169	2,850	11.2
Missouri	1	1	1	25	28	-12.9	40	122	-67.2
Montana	554	534	516	10,958	10,272	6.7	29,198	25,758	13.4
New Mexico	149	141	157	3,020	3,476	-13.1	8,789	9,353	-6.0
North Dakota	475	472	464	9,901	10,324	-4.1	26,058	26,059	s
Ohio	42	38	41	886	1,050	-15.5	2,593	2,985	-13.1
Oklahoma	s	s	.	s	.	100.0	1	.	.
<b>Pennsylvania total</b>	<b>894</b>	<b>882</b>	<b>874</b>	<b>18,933</b>	<b>18,034</b>	<b>5.0</b>	<b>43,166</b>	<b>39,575</b>	<b>9.1</b>
Anthracite (PA)	33	32	36	679	753	-9.8	2,011	2,153	-6.6
Bituminous (PA)	861	850	837	18,253	17,281	5.6	41,155	37,422	10.0
Texas	276	264	296	5,541	5,853	-5.3	16,899	17,841	-5.3
Utah	213	206	230	4,427	4,780	-7.4	11,961	12,641	-5.4
Virginia	222	214	201	4,475	4,119	8.6	11,302	9,731	16.1
<b>West Virginia total</b>	<b>1,572</b>	<b>1,518</b>	<b>1,515</b>	<b>32,250</b>	<b>30,747</b>	<b>4.9</b>	<b>79,978</b>	<b>71,389</b>	<b>12.0</b>
Northern (WV)	869	848	846	18,451	17,531	5.3	45,294	41,102	10.2
Southern (WV)	703	670	669	13,799	13,216	4.4	34,684	30,288	14.5
Wyoming	4,656	4,634	4,534	91,287	85,266	7.1	244,611	218,186	12.1
Appalachian total	3,127	3,034	3,016	64,694	62,479	3.5	157,578	144,793	8.8
<b>Interior total</b>	<b>1,757</b>	<b>1,651</b>	<b>1,780</b>	<b>36,722</b>	<b>37,743</b>	<b>-2.7</b>	<b>92,225</b>	<b>91,418</b>	<b>0.9</b>
<b>Western total</b>	<b>6,295</b>	<b>6,223</b>	<b>6,117</b>	<b>124,390</b>	<b>118,395</b>	<b>5.1</b>	<b>334,028</b>	<b>302,950</b>	<b>10.3</b>
<b>East of Mississippi River</b>	<b>4,602</b>	<b>4,416</b>	<b>4,494</b>	<b>95,758</b>	<b>94,249</b>	<b>1.6</b>	<b>232,563</b>	<b>217,962</b>	<b>6.7</b>
<b>West of Mississippi River</b>	<b>6,577</b>	<b>6,493</b>	<b>6,419</b>	<b>130,048</b>	<b>124,368</b>	<b>4.6</b>	<b>351,269</b>	<b>321,198</b>	<b>9.4</b>
Bituminous and lignite	11,145	10,876	10,877	225,126	217,864	3.3	581,821	537,007	8.3
Anthracite	33	32	36	679	753	-9.8	2,011	2,153	-6.6
<b>U.S. total</b>	<b>11,178</b>	<b>10,908</b>	<b>10,913</b>	<b>225,806</b>	<b>218,617</b>	<b>3.3</b>	<b>583,831</b>	<b>539,161</b>	<b>8.3</b>
Railroad cars loaded	65,609	64,015	64,641	1,301,848	1,228,486	6.0	3,399,827	3,067,332	10.0

Source: Energy Information Administration



## Weekly Electric Output

Volume 90 No. 21

### OUTPUT FOR WEEK ENDED - May 21, 2022

May 25, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **May 21, 2022** was **79,907** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **189** on the weekly electric output index.

### WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended May 21		52 Weeks Ended May 21	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	1,986	3.3	116,612	0.6
Mid-Atlantic	7,371	0.2	421,190	1.5
Central Industrial	12,054	0.1	659,306	2.8
West Central	5,996	-0.5	341,602	4.4
Southeast	21,350	16.5	1,024,350	1.8
South Central	18,088	29.2	804,029	5.1
Rocky Mountain	5,324	7.8	295,313	1.9
Pacific Northwest	2,798	0.2	160,902	3.9
Pacific Southwest	4,940	6.3	268,774	0.5
Total United States	79,907	10.9	4,092,078	2.8

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

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Apr 30	69,920	May 01	69,091	1.2	Apr 30	4,074,189	2.6
May 07	72,564	May 08	70,346	3.2	May 07	4,076,407	2.5
May 14	76,872	May 15	69,058	11.3	May 14	4,084,222	2.7
May 21	79,907	May 22	72,050	10.9	May 21	4,092,078	2.8
<b>May 21</b>	<b>1,600,497</b>	<b>May 22</b>	<b>1,541,053</b>	<b>3.9</b>	<b>YEAR TO DATE, FIRST 21 WEEKS</b>		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Apr 30	178	May 01	170	May 02	167
May 07	183	May 08	170	May 09	167
May 14	189	May 15	164	May 16	165
May 21	189	May 22	165	May 23	166

\* 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		
	21-May 2022 GWh Output	22-May 2021 GWh Output	% Increase Over Corresponding Week	21-May 2022 GWh Output	22-May 2021 GWh Output	% Increase Over Corresponding Week	21-May 2022 GWh Output	22-May 2021 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	1,986	1,923	3.3%	<b>45,620</b>	<b>44,939</b>	<b>1.5%</b>	116,612	115,868	0.6%
<b>Mid-Atlantic</b>	7,371	7,355	0.2%	<b>163,178</b>	<b>160,285</b>	<b>1.8%</b>	421,190	415,003	1.5%
<b>Central Industrial</b>	12,054	12,039	0.1%	<b>264,325</b>	<b>256,060</b>	<b>3.2%</b>	659,306	641,464	2.8%
<b>West Central</b>	5,996	6,028	-0.5%	<b>133,800</b>	<b>127,334</b>	<b>5.1%</b>	341,602	327,122	4.4%
<b>Southeast</b>	21,350	18,325	16.5%	<b>402,305</b>	<b>392,791</b>	<b>2.4%</b>	1,024,350	1,006,119	1.8%
<b>South Central</b>	18,088	14,003	29.2%	<b>312,443</b>	<b>286,430</b>	<b>9.1%</b>	804,029	764,696	5.1%
<b>Rocky Mountain</b>	5,324	4,937	7.8%	<b>110,236</b>	<b>107,870</b>	<b>2.2%</b>	295,313	289,903	1.9%
<b>Pacific Northwest</b>	2,798	2,793	0.2%	<b>70,601</b>	<b>67,873</b>	<b>4.0%</b>	160,902	154,803	3.9%
<b>Pacific Southwest</b>	4,940	4,647	6.3%	<b>97,988</b>	<b>97,473</b>	<b>0.5%</b>	268,774	267,461	0.5%
<b>Total United States <sup>1/</sup></b>	<b>79,907</b>	<b>72,050</b>	<b>10.9%</b>	<b>1,600,496</b>	<b>1,541,055</b>	<b>3.9%</b>	4,092,078	3,982,439	2.8%
<b>Coal Regions Only <sup>2/</sup></b>	70,183	62,687	12.0%	<b>1,386,287</b>	<b>1,330,770</b>	<b>4.2%</b>	3,545,790	3,444,307	2.9%

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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May 23, 2022

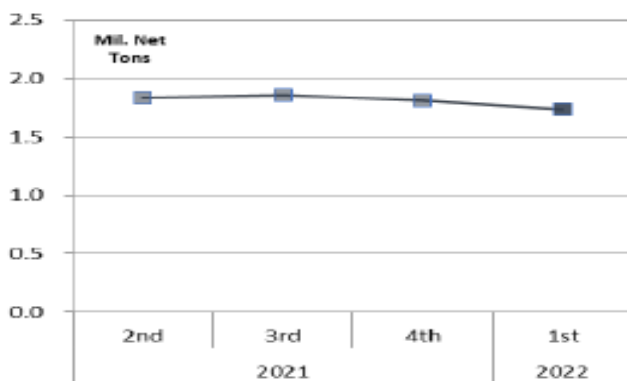
**ESTIMATED WEEKLY RAW STEEL\* PRODUCTION**

<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 May 21</u>	<u>Week Ending May 14</u>	
<b><u>Week Ending</u></b>				North East	171	178
				Great Lakes	567	559
May 21, 2022	1,789	0.2	82.0	Midwest	208	197
May 21, 2021	1,834	-2.5	81.0	Southern	772	779
May 14, 2022	1,785	0.5	81.8	Western	71	72
				<b>Total</b>	<b>1,789</b>	<b>1,785</b>
<b><u>Year-to-Date +</u></b>						
May 21, 2022	35,199	-1.8	80.3			
May 21, 2021	35,843	-	78.7			

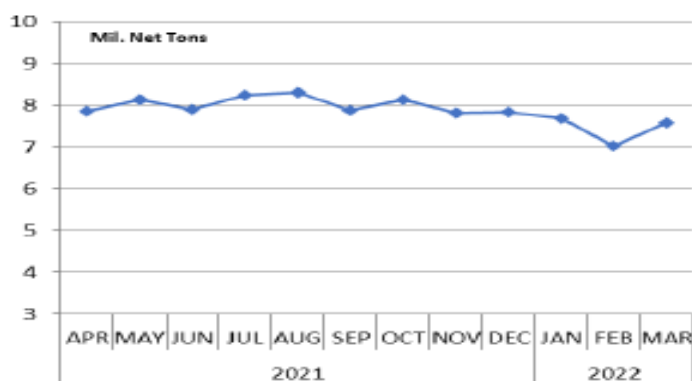
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

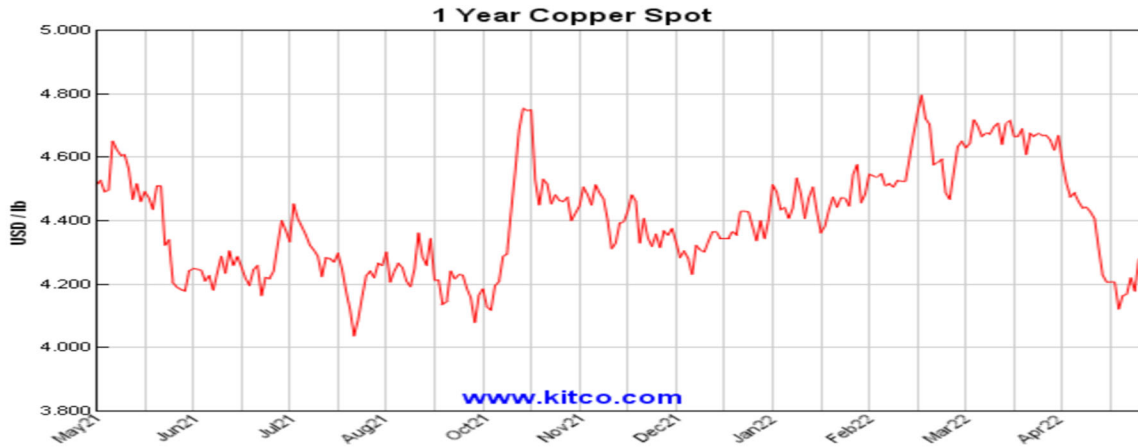
**Average Weekly Raw Steel Production**



**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 20, 2022 – Ended May 21, 2022**

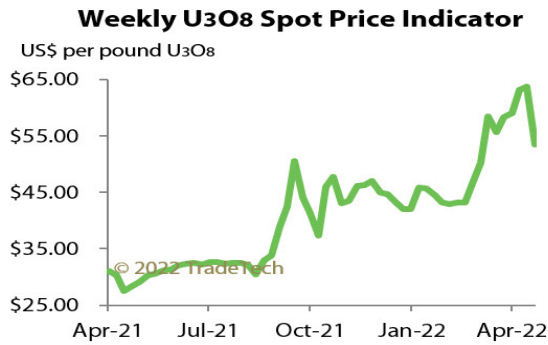
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk <sup>2</sup>	vs 2021
<b>Total Carloads</b>	<b>233,244</b>	<b>-3.7%</b>	<b>4,602,072</b>	<b>230,104</b>	<b>0.4%</b>
Chemicals	33,943	2.4%	687,575	34,379	6.5%
Coal	65,609	1.5%	1,294,603	64,730	5.9%
Farm Products excl. Grain, and Food	15,898	-2.7%	327,704	16,385	2.5%
Forest Products	10,300	1.7%	198,724	9,936	-0.6%
Grain	21,797	-13.9%	458,013	22,901	-10.1%
Metallic Ores and Metals	21,664	-8.2%	411,557	20,578	-6.0%
Motor Vehicles and Parts	13,831	0.5%	259,757	12,988	-4.1%
Nonmetallic Minerals	32,268	-3.2%	598,637	29,932	6.1%
Petroleum and Petroleum Products	9,805	-9.2%	184,843	9,242	-15.4%
Other	8,129	-27.1%	180,659	9,033	-7.5%
<b>Total Intermodal Units</b>	<b>273,732</b>	<b>-4.5%</b>	<b>5,274,963</b>	<b>263,748</b>	<b>-6.8%</b>
<b>Total Traffic</b>	<b>506,976</b>	<b>-4.1%</b>	<b>9,877,035</b>	<b>493,852</b>	<b>-3.6%</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.

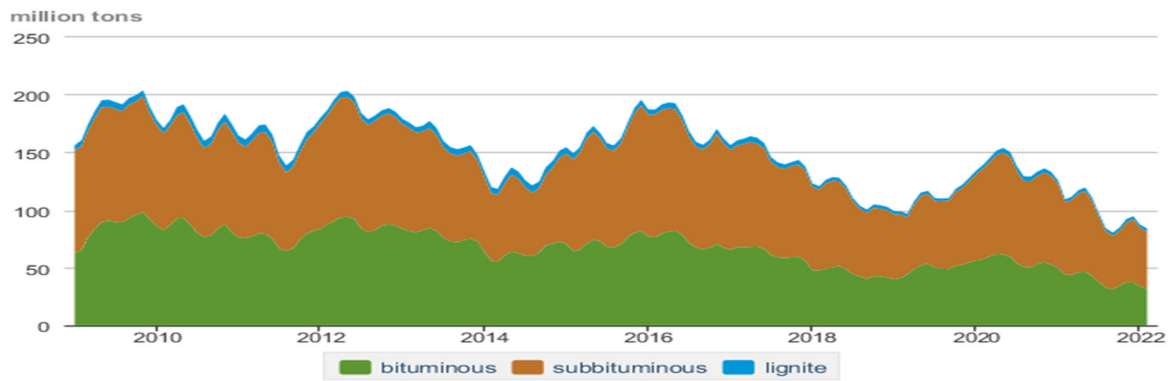
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

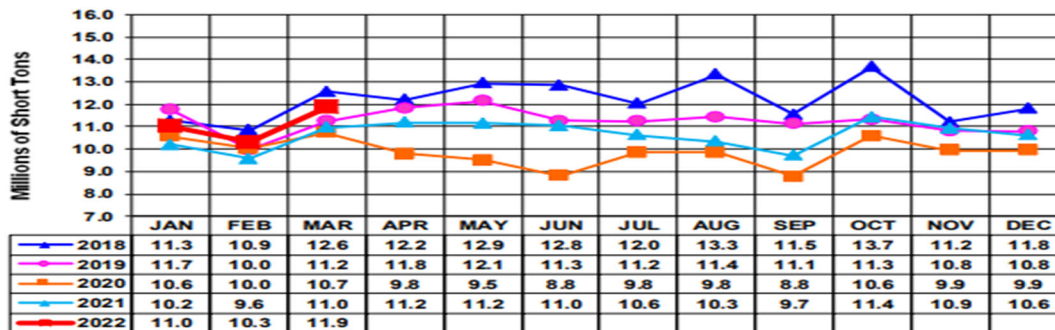
### Coal stocks by type, January 2009 - February 2022



eia 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.

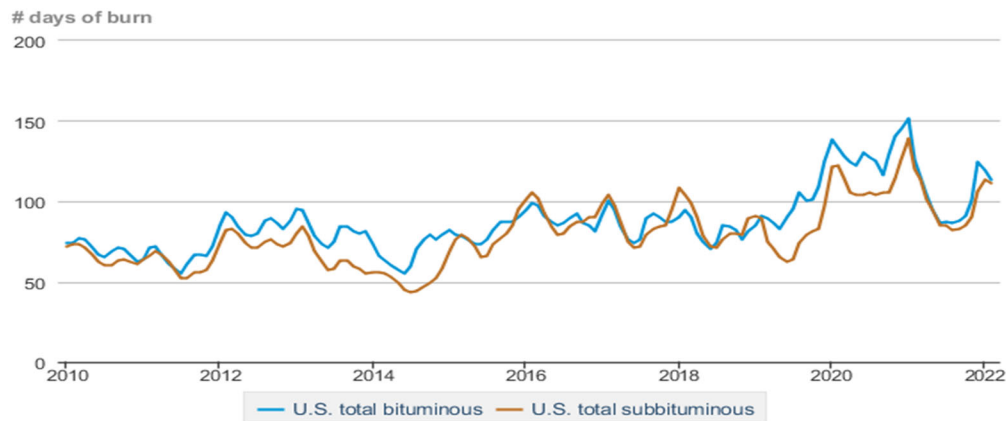
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices  
dollars per short ton

	Week ending					Week ago
	04/22/22	04/29/22	05/06/22	05/13/22	05/20/22	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$117.05	\$119.30	\$119.30	\$125.80	\$125.80	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$94.85	\$96.00	\$96.00	\$98.95	\$98.95	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$117.85	\$119.00	\$119.00	\$122.75	\$122.75	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$15.70	\$15.55	\$15.55	\$15.50	\$15.50	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$36.55	\$37.40	\$37.40	\$37.25	\$37.25	\$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 - February 2022



Source: U.S. Energy Information Administration

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

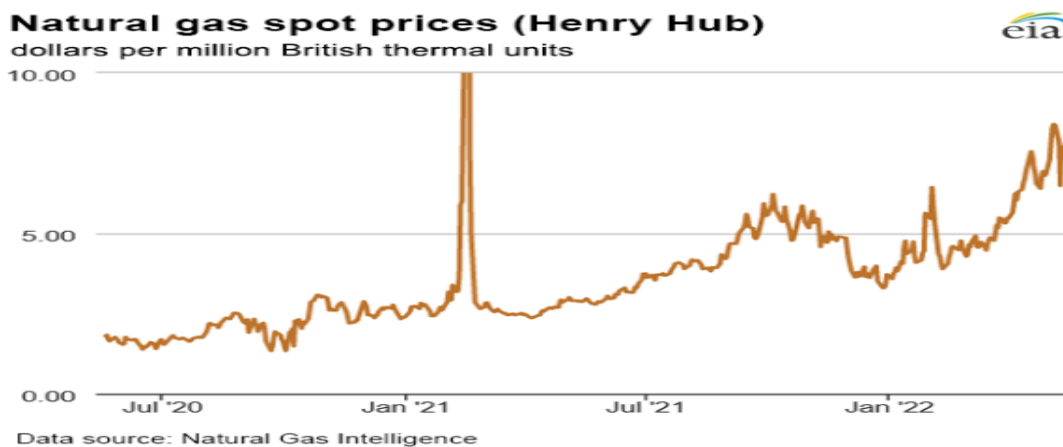
Region	Temperature – heating & cooling degree days (week ending May 12)					
	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	82	7	-5	0	0	0
Middle Atlantic	63	1	-32	0	-2	0
E N Central	39	-28	-85	24	17	24
W N Central	23	-35	-78	38	30	38
South Atlantic	37	12	-11	33	2	-1
E S Central	13	-10	-32	37	15	25
W S Central	2	-5	-12	98	52	56
Mountain	60	-12	-14	18	3	-1
Pacific	72	28	52	0	-6	-1
United States	45	-5	-28	27	11	14

Data source: 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 - 4th Quarter	2020 Year to Date - 4th Quarter	Percent Change
Aluminum, secondary (000 Mt.)	837.0	742.0	13%
Cement (Mil. Mt.)	90.8	88.8	2%
Copper (000 Mt.)	1,230.0	1,200.0	2%
Gold (Mt.)	182.0	193.0	-6%
Gypsum (Mil. Mt.)	18.6	17.2	8%
Iron Ore (Mil. Mt.)	45.0	38.1	18%
Lead (000 Mt.)	285.0	297.0	-4%
Molybdenum (000 Mt.)	40.5	51.1	-21%
Phosphate rock (Mil. Mt.)	21.8	23.5	-7%
Sand & gravel, construction (Mil. Mt.)	1,000.0	942.0	6%
Silver (Mt.)	1,020.0	1,030.0	-1%
Soda ash (Mil. Mt.)	11.3	10.0	13%
Stone, crushed (Mil. Mt.)	1,540.0	1,470.0	5%
Zinc (000 Mt.)	689.0	697.0	-1%

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2021 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	February 2022		February 2021		% Change of Stocks	January 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	1,678	293	2,894	365	-42.0%	2,169	349	-22.6%
	Subbituminous	-	-	-	-	-	-	-	-
South	Bituminous	11,527	97	16,190	117	-28.8%	11,824	100	-2.5%
	Subbituminous	3,286	71	5,078	94	-35.3%	3,559	67	-7.7%
Midwest	Bituminous	10,049	123	10,315	116	-2.6%	10,559	127	-4.8%
	Subbituminous	16,466	121	22,299	129	-26.2%	17,134	121	-3.9%
West	Bituminous	2,308	144	2,717	161	-15.0%	2,150	138	7.4%
	Subbituminous	18,425	114	22,667	118	-18.7%	19,178	120	-3.9%
U.S. Total	Bituminous	25,562	113	32,116	126	-20.4%	26,702	119	-4.3%
	Subbituminous	38,177	111	50,043	120	-23.7%	39,871	113	-4.2%

Source: Energy Information Administration, *Electricity Monthly Update*

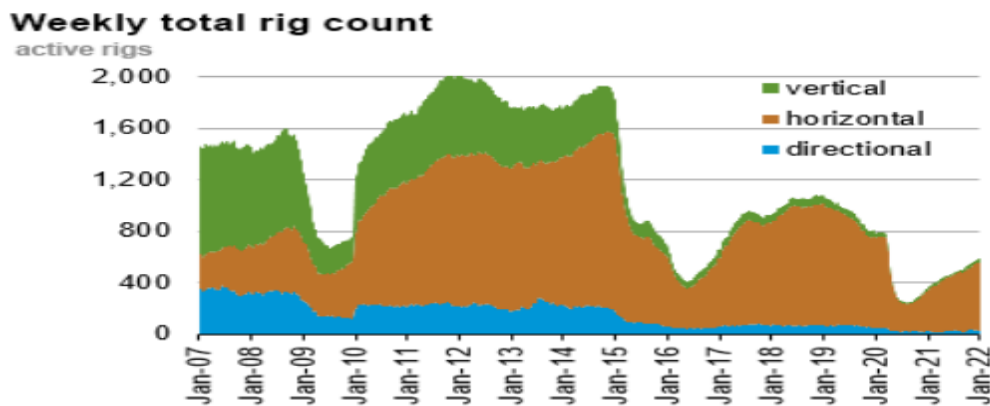
## EIA Working Natural Gas Underground Storage

Region	Stocks billion cubic feet (Bcf)		
	2022-05-13	2022-05-06	change
East	296	274	22
Midwest	364	342	22
Mountain	103	96	7
Pacific	187	183	4
South Central	781	749	32
Total	1,732	1,643	89

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



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 New-well oil production per rig barrels/day			PRODUCTION BY REGION New-well gas production per rig thousand cubic feet/day		
	May 2022	June 2022	change	May 2022	June 2022	change
Anadarko	722	717	(5)	3,736	3,699	(37)
Appalachia	189	190	1	28,999	28,506	(493)
Bakken	1,847	1,800	(47)	2,678	2,610	(68)
Eagle Ford	1,970	1,891	(79)	7,229	7,012	(217)
Haynesville	20	20	-	11,546	11,338	(208)
Niobrara	1,562	1,546	(16)	4,035	3,954	(81)
Permian	1,142	1,129	(13)	2,229	2,202	(27)
Rig-weighted average	1,047	1,036	(11)	6,172	6,006	(166)

Source: Energy Information Administration, *Drilling Productivity Report*

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

Cobalt - January 2022	Jan-22	Year to Date
U.S. Imports for Consumption - Metals (mt)	754	754
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	454	454
Reported Stocks of Cobalt Metal (mt)	U.S. Govt	LME
	302	256
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	34.11	31.84

Source: USGS, Mineral Industry Survey, Cobalt in January 2022, April 2022

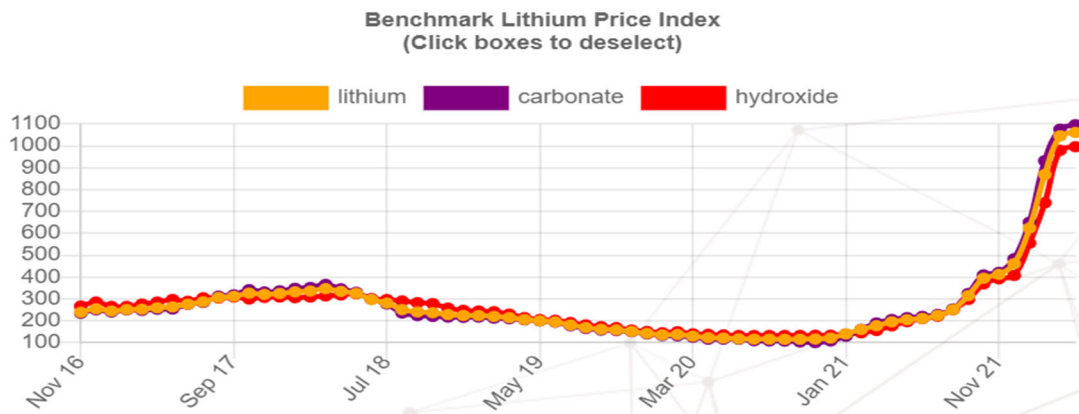
### Cobalt and Lithium Prices

#### 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/>