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# NATIONAL MINING ASSOCIATION

## *Weekly Statistical Summary*

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**May 20, 2022 Edition**  
**(Data for Week Ending May 14, 2022)**

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



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# NMA Weekly Statistical Summary

Vol. 60, No. 20  
Dated 05/20/22

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	05/14/22	05/15/21	% Chng	05/14/22	05/14/21	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	10,908	11,535	-5.4%	214,627	207,623	3.4%
52 Weeks Ended	583,566	536,810	8.7%			
AAR Coal Rail Cars Loaded:	64,015	68,327	-6.3%	1,236,239	1,163,366	6.3%
<b>Coal Production</b>						
Month Ended - April	<b>April 22/21</b>		<b>% Chng</b>	<b>Jan - Apr 22/21</b>		<b>% Chng</b>
	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>EEI Electric Total Output (Mil. Kwh)</b>						
	<b>Week Ended</b>		<b>% Chng</b>	<b>Cumulative Week 1 to</b>		<b>% Chng</b>
	<b>05/14/22</b>	<b>05/15/21</b>		<b>05/14/22</b>	<b>05/15/21</b>	
EEI Coal Region Output (Mil. Kwh)	67,541	59,652	13.2%	1,316,104	1,268,083	3.8%
AISI Raw Steel Output (000 Tons)	1,785	1,834	-2.7%	33,410	34,009	-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)	
	05/13/22	05/06/22	% Chng	Wed.	05/11/22
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$125.80	\$119.30	5.4%	Henry Hub	7.51
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	98.95	96.00	3.1%	New York	6.71
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	122.75	119.00	3.2%	Chicago	7.46
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	15.50	15.55	-0.3%	Cal.Comp.Avg.	7.95
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	37.25	37.40	-0.4%		

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		
	5/14/2022 (week 20)	5/7/2022 (week 19)	5/15/2021 (week 20)	5/14/2022	5/14/2021	% Change	5/14/2022	5/15/2021	% Change
Alabama	137	138	171	3,195	4,108	-22.2	8,384	11,394	-26.4
Alaska	17	17	19	386	420	-8.2	1,005	1,039	-3.3
Colorado	220	238	208	4,164	3,639	14.4	12,373	9,886	25.2
Illinois	682	731	792	15,610	15,821	-1.3	36,601	35,093	4.3
Indiana	338	341	374	6,724	7,064	-4.8	19,082	18,839	1.3
<b>Kentucky total</b>	<b>517</b>	<b>500</b>	<b>542</b>	<b>10,141</b>	<b>9,748</b>	<b>4.0</b>	<b>26,957</b>	<b>24,636</b>	<b>9.4</b>
Eastern (KY)	219	213	214	4,063	3,555	14.3	10,818	8,606	25.7
Western (KY)	297	287	328	6,078	6,193	-1.9	16,139	16,030	0.7
Louisiana	5	6	5	87	87	0.7	300	288	4.2
Maryland	25	26	23	495	478	3.5	1,325	1,120	18.3
Mississippi	64	64	67	1,177	1,203	-2.1	3,166	2,844	11.3
Missouri	1	1	2	24	27	-11.5	41	123	-66.7
Montana	534	552	546	10,404	9,752	6.7	29,160	25,653	13.7
New Mexico	141	143	166	2,871	3,318	-13.5	8,797	9,355	-6.0
North Dakota	472	449	490	9,425	9,857	-4.4	26,047	26,052	s
Ohio	38	42	44	845	1,008	-16.2	2,593	2,996	-13.5
Oklahoma	s	s	.	s	.	100.0	1	.	.
<b>Pennsylvania total</b>	<b>882</b>	<b>811</b>	<b>923</b>	<b>18,038</b>	<b>17,154</b>	<b>5.2</b>	<b>43,145</b>	<b>39,180</b>	<b>10.1</b>
Anthracite (PA)	32	32	38	646	717	-9.9	2,014	2,157	-6.6
Bituminous (PA)	850	779	885	17,392	16,437	5.8	41,131	37,023	11.1
Texas	264	280	313	5,265	5,555	-5.2	16,920	17,891	-5.4
Utah	206	205	243	4,214	4,548	-7.3	11,978	12,642	-5.3
Virginia	214	218	212	4,252	3,917	8.6	11,281	9,673	16.6
<b>West Virginia total</b>	<b>1,518</b>	<b>1,502</b>	<b>1,601</b>	<b>30,679</b>	<b>29,221</b>	<b>5.0</b>	<b>79,921</b>	<b>70,986</b>	<b>12.6</b>
Northern (WV)	848	816	894	17,582	16,678	5.4	45,271	40,865	10.8
Southern (WV)	670	686	707	13,096	12,543	4.4	34,650	30,121	15.0
Wyoming	4,634	4,523	4,793	86,631	80,698	7.4	244,490	217,120	12.6
Appalachian total	3,034	2,951	3,188	61,567	59,441	3.6	157,468	143,955	9.4
<b>Interior total</b>	<b>1,651</b>	<b>1,710</b>	<b>1,882</b>	<b>34,965</b>	<b>35,949</b>	<b>-2.7</b>	<b>92,248</b>	<b>91,109</b>	<b>1.3</b>
<b>Western total</b>	<b>6,223</b>	<b>6,125</b>	<b>6,465</b>	<b>118,095</b>	<b>112,233</b>	<b>5.2</b>	<b>333,850</b>	<b>301,747</b>	<b>10.6</b>
<b>East of Mississippi River</b>	<b>4,416</b>	<b>4,374</b>	<b>4,750</b>	<b>91,156</b>	<b>89,721</b>	<b>1.6</b>	<b>232,455</b>	<b>216,761</b>	<b>7.2</b>
<b>West of Mississippi River</b>	<b>6,493</b>	<b>6,411</b>	<b>6,785</b>	<b>123,471</b>	<b>117,902</b>	<b>4.7</b>	<b>351,111</b>	<b>320,049</b>	<b>9.7</b>
Bituminous and lignite	10,876	10,753	11,497	213,981	206,906	3.4	581,552	534,653	8.8
Anthracite	32	32	38	646	717	-9.9	2,014	2,157	-6.6
<b>U.S. total</b>	<b>10,908</b>	<b>10,785</b>	<b>11,535</b>	<b>214,627</b>	<b>207,623</b>	<b>3.4</b>	<b>583,566</b>	<b>536,810</b>	<b>8.7</b>
Railroad cars loaded	64,015	63,281	68,327	1,236,239	1,163,366	6.3	3,398,859	3,049,554	11.5

Source: Energy Information Administration



# Weekly Electric Output

Volume 90 No. 20

**OUTPUT FOR WEEK ENDED - May 14, 2022**

**May 18, 2022**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **May 14, 2022** was **76,872** 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 14		52 Weeks Ended May 14	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	1,850	4.2	116,549	0.7
Mid-Atlantic	6,821	3.5	421,175	1.7
Central Industrial	12,789	16.9	659,291	3.1
West Central	6,771	22.0	341,634	4.7
Southeast	18,677	6.1	1,021,325	1.6
South Central	17,773	27.3	799,944	4.5
Rocky Mountain	4,710	-6.0	294,925	1.8
Pacific Northwest	2,909	8.2	160,897	4.1
Pacific Southwest	4,572	-7.5	268,481	0.4
Total United States	76,872	11.3	4,084,221	2.7

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

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Apr 23	70,971	Apr 24	67,705	4.8	Apr 23	4,073,360	2.7
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
<b>May 14</b>	<b>1,520,590</b>	<b>May 15</b>	<b>1,469,003</b>	<b>3.5</b>	<b>YEAR TO DATE, FIRST 20 WEEKS</b>		

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

**SEASONALLY ADJUSTED 1982 = 100**

Week Ended	2022	Week Ended	2021	Week Ended	2020
Apr 23	184	Apr 24	168	Apr 25	170
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

\* 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		
	14-May 2022 GWh Output	15-May 2021 GWh Output	% Increase Over Corresponding Week	14-May 2022 GWh Output	15-May 2021 GWh Output	% Increase Over Corresponding Week	14-May 2022 GWh Output	15-May 2021 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	1,850	1,775	4.2%	<b>43,634</b>	<b>43,016</b>	<b>1.4%</b>	116,549	115,689	0.7%
<b>Mid-Atlantic</b>	6,821	6,588	3.5%	<b>155,807</b>	<b>152,930</b>	<b>1.9%</b>	421,175	414,020	1.7%
<b>Central Industrial</b>	12,789	10,944	16.9%	<b>252,271</b>	<b>244,021</b>	<b>3.4%</b>	659,291	639,640	3.1%
<b>West Central</b>	6,771	5,548	22.0%	<b>127,804</b>	<b>121,306</b>	<b>5.4%</b>	341,634	326,362	4.7%
<b>Southeast</b>	18,677	17,599	6.1%	<b>380,955</b>	<b>374,466</b>	<b>1.7%</b>	1,021,325	1,005,558	1.6%
<b>South Central</b>	17,773	13,961	27.3%	<b>294,355</b>	<b>272,427</b>	<b>8.0%</b>	799,944	765,844	4.5%
<b>Rocky Mountain</b>	4,710	5,012	-6.0%	<b>104,912</b>	<b>102,933</b>	<b>1.9%</b>	294,925	289,717	1.8%
<b>Pacific Northwest</b>	2,909	2,690	8.1%	<b>67,803</b>	<b>65,080</b>	<b>4.2%</b>	160,897	154,604	4.1%
<b>Pacific Southwest</b>	4,572	4,941	-7.5%	<b>93,048</b>	<b>92,826</b>	<b>0.2%</b>	268,481	267,281	0.4%
<b>Total United States <sup>1/</sup></b>	<b>76,872</b>	<b>69,058</b>	<b>11.3%</b>	<b>1,520,589</b>	<b>1,469,005</b>	<b>3.5%</b>	4,084,221	3,978,715	2.7%
<b>Coal Regions Only <sup>2/</sup></b>	67,541	59,652	13.2%	<b>1,316,104</b>	<b>1,268,083</b>	<b>3.8%</b>	3,538,294	3,441,141	2.8%

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 16, 2022

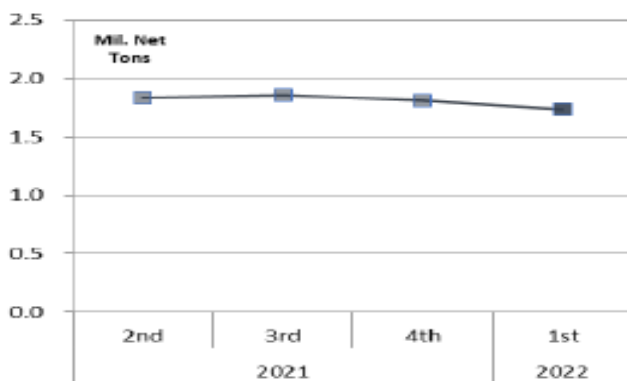
**ESTIMATED WEEKLY RAW STEEL\* PRODUCTION**

<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 14</u>	<u>Week Ending May 7</u>	
<b><u>Week Ending</u></b>				North East	178	176
				Great Lakes	559	566
May 14, 2022	1,785	0.5	81.8	Midwest	197	195
May 14, 2021	1,834	-2.7	81.0	Southern	779	772
May 7, 2022	1,777	0.1	81.4	Western	72	68
				<b>Total</b>	<b>1,785</b>	<b>1,777</b>
<b><u>Year-to-Date +</u></b>						
May 14, 2022	33,410	-1.8	80.2			
May 14, 2021	34,009	-	78.7			

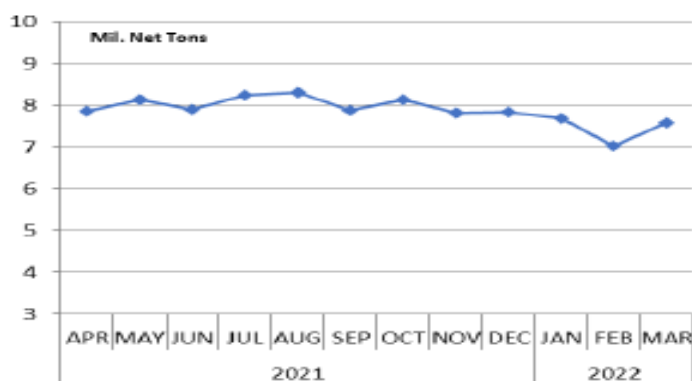
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

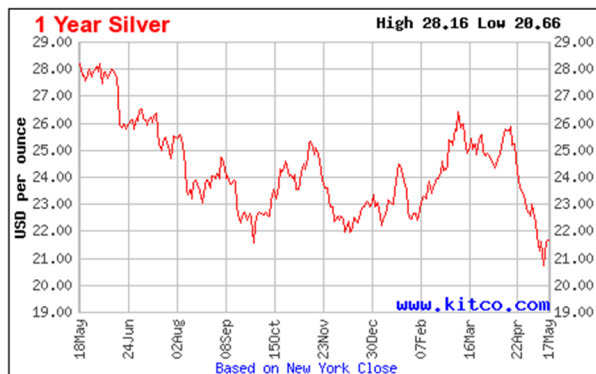
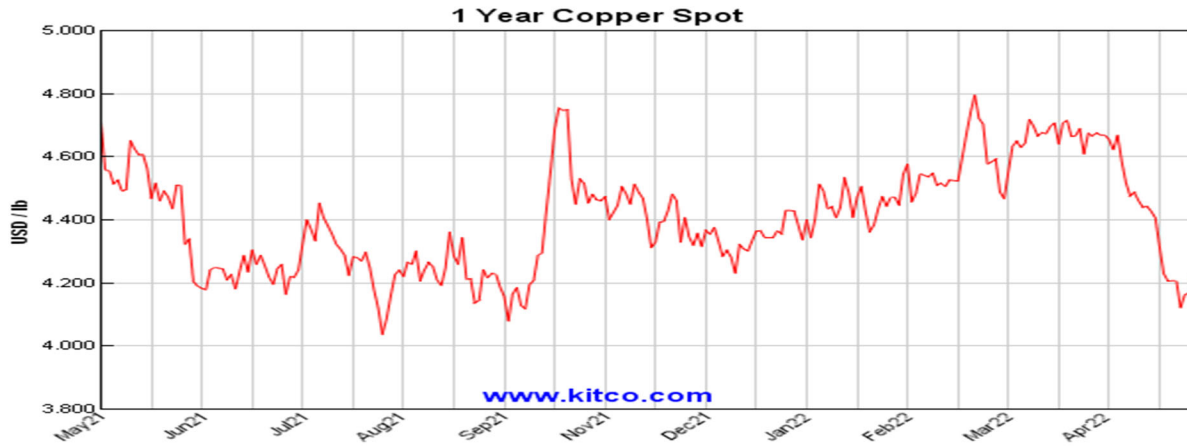
**Average Weekly Raw Steel Production**



**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 19, 2022 – Ended May 14, 2022

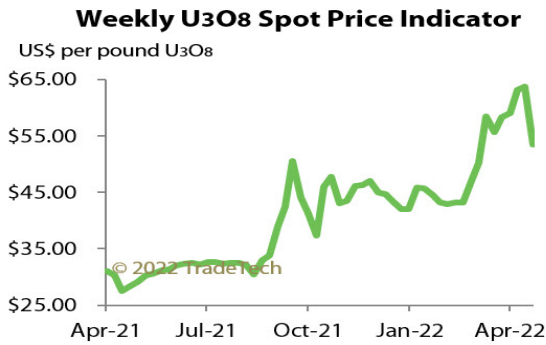
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk <sup>2</sup>	vs 2021
<b>Total Carloads</b>	<b>230,128</b>	<b>-5.2%</b>	<b>4,368,828</b>	<b>229,938</b>	<b>0.6%</b>
Chemicals	32,262	-4.3%	653,632	34,402	6.7%
Coal	64,015	-6.3%	1,228,994	64,684	6.1%
Farm Products excl. Grain, and Food	16,257	6.5%	311,806	16,411	2.8%
Forest Products	9,718	-5.0%	188,424	9,917	-0.7%
Grain	21,910	-14.0%	436,216	22,959	-9.9%
Metallic Ores and Metals	21,426	-9.7%	389,893	20,521	-5.9%
Motor Vehicles and Parts	13,097	5.0%	245,926	12,943	-4.3%
Nonmetallic Minerals	33,344	4.9%	566,369	29,809	6.7%
Petroleum and Petroleum Products	9,103	-19.0%	175,038	9,213	-15.7%
Other	8,996	-15.6%	172,530	9,081	-6.4%
<b>Total Intermodal Units</b>	<b>274,992</b>	<b>-5.5%</b>	<b>5,001,231</b>	<b>263,223</b>	<b>-6.9%</b>
<b>Total Traffic</b>	<b>505,120</b>	<b>-5.4%</b>	<b>9,370,059</b>	<b>493,161</b>	<b>-3.5%</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.

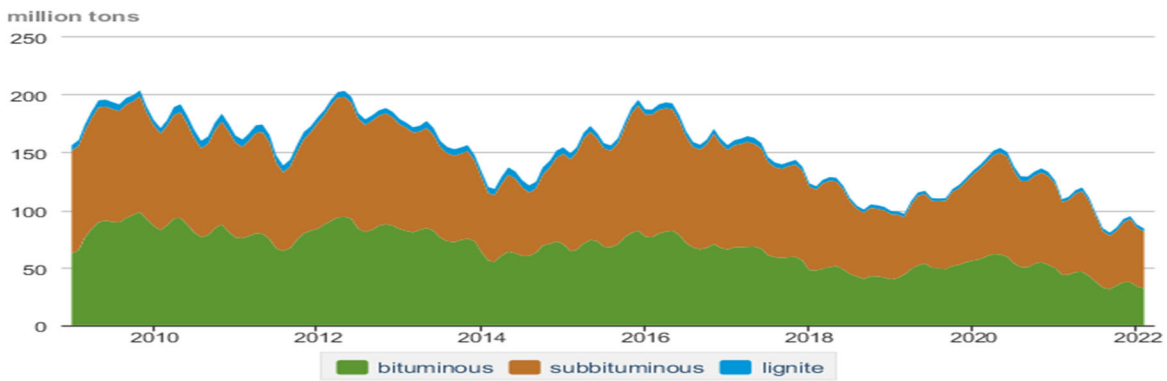
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

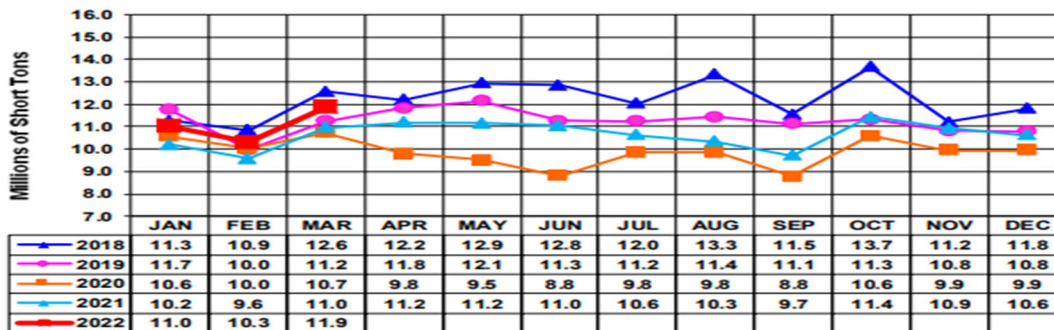
### Coal stocks by type, January 2009 - February 2022



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.

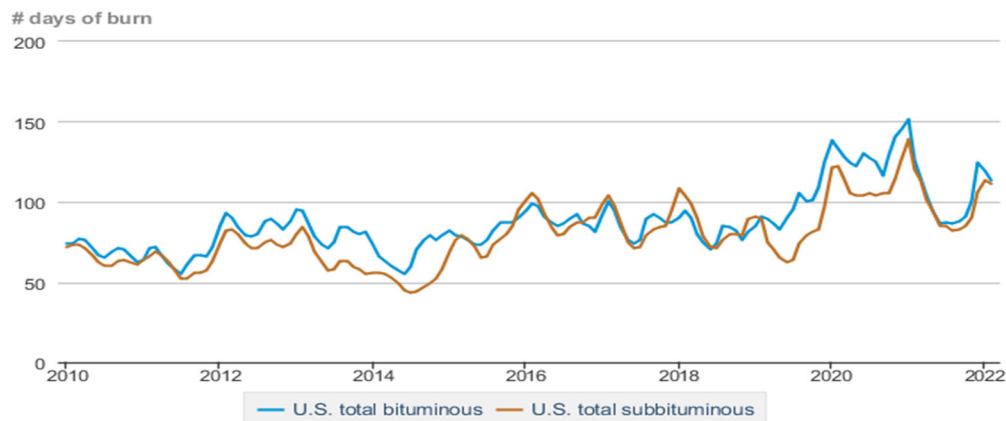
Source: Waterborne Commerce Statistics Center

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

	Week ending					Week ago change
	04/15/22	04/22/22	04/29/22	05/06/22	05/13/22	
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$117.05	\$117.05	\$119.30	\$119.30	\$125.80	\$6.50
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$94.85	\$94.85	\$96.00	\$96.00	\$98.95	\$2.95
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$117.85	\$117.85	\$119.00	\$119.00	\$122.75	\$3.75
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$15.70	\$15.70	\$15.55	\$15.55	\$15.50	\$-0.05
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$36.55	\$36.55	\$37.40	\$37.40	\$37.25	\$-0.15

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*

**Temperature – heating & cooling degree days (week ending May 05)**

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	103	10	26	0	0	0
Middle Atlantic	79	2	33	0	-1	-2
E N Central	85	4	25	0	-3	-1
W N Central	99	28	44	1	-4	-6
South Atlantic	24	-9	13	44	19	-11
E S Central	10	-20	-6	36	21	5
W S Central	7	-2	-1	61	24	14
Mountain	89	6	28	12	-1	-4
Pacific	43	-6	27	0	-8	-6
United States	62	1	23	18	5	-2

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 - 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: Graph by the U.S. Energy Information Administration (EIA), based on data from Natural Gas Intelligence

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

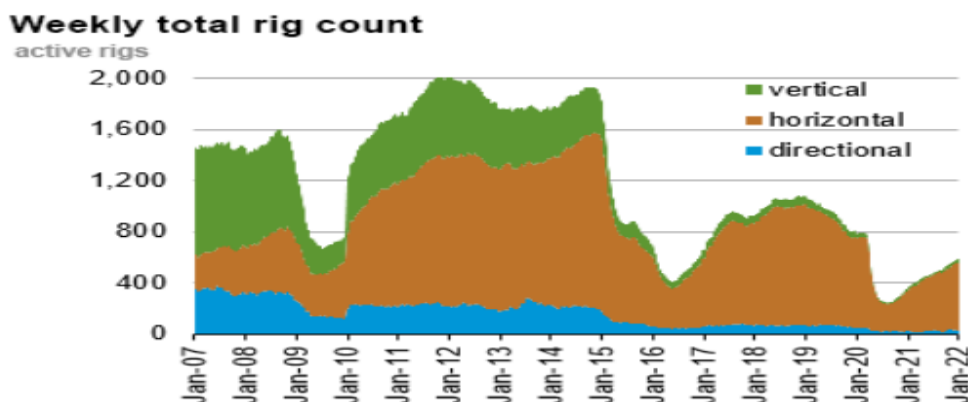
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-05-06	2022-04-29	change
East	274	253	21
Midwest	342	324	18
Mountain	96	92	4
Pacific	183	176	7
South Central	749	721	28
Total	1,643	1,567	76

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

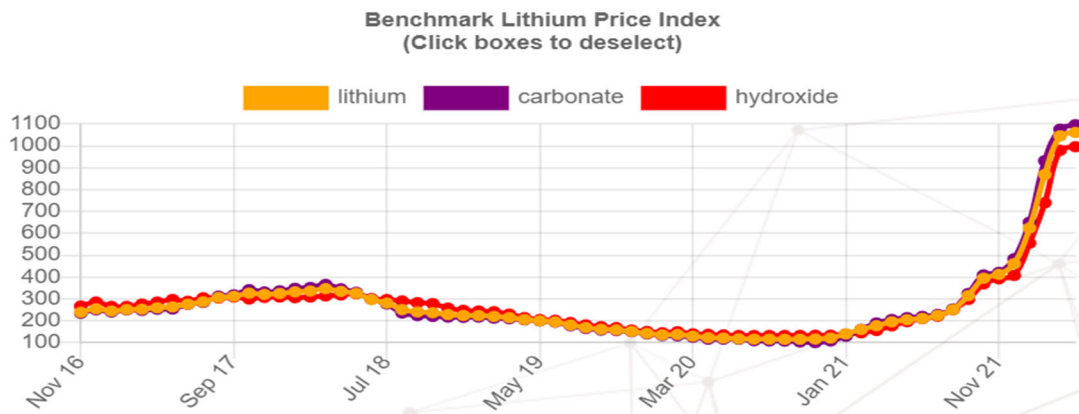
### Cobalt and Lithium Prices

#### 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/>