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# NATIONAL MINING ASSOCIATION

## *Weekly Statistical Summary*

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**July 22, 2022 Edition**  
**(Data for Week Ending July 16, 2022)**

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



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# NMA Weekly Statistical Summary

Vol. 60, No. 29  
Dated 07/22/22

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	07/16/22	07/17/21	% Chng	07/16/22	07/16/21	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	11,224	11,764	-4.6%	315,187	307,841	2.4%
52 Weeks Ended	583,467	555,460	5.0%			
AAR Coal Rail Cars Loaded:	65,634	69,186	-5.1%	1,816,455	1,757,358	3.4%
<b>DOC Coal Trade (000 Tons)</b>						
<b>Exports:</b>						
	May 22/21			Jan - May 22/21		
			% Chng			% Chng
Metallurgical	4,286	3,722	15.2%	18,991	17,784	6.8%
Steam Bit. *	3,055	3,721	-17.9%	16,473	17,032	-3.3%
Lignite	10	7	42.9%	35	34	2.9%
Anthracite	19	40	-52.5%	123	176	-30.1%
<b>Total</b>	<b>7,370</b>	<b>7,490</b>	<b>-1.6%</b>	<b>35,622</b>	<b>35,026</b>	<b>1.7%</b>
<b>Imports:</b>	325	512	-36.5%	2,330	2,097	11.1%
<b>EEI Electric Total Output (Mil. Kwh)</b>						
	Week Ended			Cumulative Week 1 to		
	07/16/22	07/17/21	% Chng	07/16/22	07/17/21	% Chng
EEI Coal Region Output (Mil. Kwh)	81,098	77,818	4.2%	1,995,107	1,919,612	3.9%
<b>AISI Raw Steel Output (000 Tons)</b>	1,738	1,862	-6.7%	49,354	50,623	-2.5%

## 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)	
	07/15/22	07/08/22	% Chng	Wed.	07/13/22
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$177.30	\$168.05	5.5%	Henry Hub	6.63
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	142.55	141.30	0.9%	New York	6.03
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	183.50	190.25	-3.5%	Chicago	6.45
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	16.55	16.55	0.0%	Cal.Comp.Avg.	7.12
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	41.50	40.65	2.1%		

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		
	7/16/2022 (week 29)	7/9/2022 (week 28)	7/17/2021 (week 29)	7/16/2022	7/16/2021	% Change	7/16/2022	7/17/2021	% Change
Alabama	129	118	176	4,696	5,524	-15.0	8,487	10,673	-20.5
Alaska	16	16	18	533	582	-8.4	991	1,046	-5.3
Colorado	282	255	269	6,427	5,574	15.3	12,693	10,245	23.9
Illinois	578	518	641	19,621	22,295	-12.0	34,090	36,576	-6.8
Indiana	371	331	397	10,601	10,355	2.4	19,665	19,046	3.3
<b>Kentucky total</b>	<b>497</b>	<b>458</b>	<b>504</b>	<b>14,746</b>	<b>14,256</b>	<b>3.4</b>	<b>26,894</b>	<b>25,846</b>	<b>4.1</b>
Eastern (KY)	220	205	200	6,082	5,271	15.4	10,960	9,076	20.8
Western (KY)	276	253	305	8,664	8,986	-3.6	15,934	16,770	-5.0
Louisiana	8	6	8	146	138	5.9	307	277	10.8
Maryland	25	21	26	684	693	-1.2	1,251	1,154	8.4
Mississippi	64	54	68	1,714	1,786	-4.0	3,120	2,882	8.3
Missouri	s	s	s	29	37	-22.1	36	107	-66.4
Montana	596	526	619	15,387	14,639	5.1	29,247	26,673	9.7
New Mexico	183	144	161	5,080	4,743	7.1	9,582	9,217	4.0
North Dakota	485	453	576	14,356	14,288	0.5	26,536	26,247	1.1
Ohio	48	43	58	1,359	1,416	-4.0	2,697	2,907	-7.2
Oklahoma	s	s	s	1	s	NM	1	s	100.0
<b>Pennsylvania total</b>	<b>695</b>	<b>634</b>	<b>733</b>	<b>22,550</b>	<b>24,840</b>	<b>-9.2</b>	<b>40,143</b>	<b>42,048</b>	<b>-4.5</b>
Anthracite (PA)	42	35	40	1,161	1,072	8.3	2,195	2,134	2.9
Bituminous (PA)	653	599	692	21,389	23,768	-10.0	37,948	39,914	-4.9
Texas	338	304	381	8,482	8,415	0.8	17,268	17,519	-1.4
Utah	221	196	248	6,470	6,757	-4.2	12,115	12,708	-4.7
Virginia	219	195	228	5,910	5,782	2.2	11,000	10,202	7.8
<b>West Virginia total</b>	<b>1,485</b>	<b>1,350</b>	<b>1,481</b>	<b>43,763</b>	<b>43,082</b>	<b>1.6</b>	<b>79,250</b>	<b>74,382</b>	<b>6.5</b>
Northern (WV)	811	754	819	24,338	24,266	0.3	44,487	42,630	4.4
Southern (WV)	674	597	662	19,426	18,817	3.2	34,764	31,752	9.5
Wyoming	4,985	4,500	5,172	132,632	122,638	8.1	248,094	225,706	9.9
Appalachian total	2,821	2,567	2,901	85,045	86,607	-1.8	153,789	150,442	2.2
<b>Interior total</b>	<b>1,636</b>	<b>1,467</b>	<b>1,800</b>	<b>49,257</b>	<b>52,013</b>	<b>-5.3</b>	<b>90,420</b>	<b>93,176</b>	<b>-3.0</b>
<b>Western total</b>	<b>6,768</b>	<b>6,091</b>	<b>7,063</b>	<b>180,885</b>	<b>169,221</b>	<b>6.9</b>	<b>339,258</b>	<b>311,842</b>	<b>8.8</b>
<b>East of Mississippi River</b>	<b>4,111</b>	<b>3,724</b>	<b>4,311</b>	<b>125,644</b>	<b>130,030</b>	<b>-3.4</b>	<b>226,598</b>	<b>225,716</b>	<b>0.4</b>
<b>West of Mississippi River</b>	<b>7,114</b>	<b>6,400</b>	<b>7,453</b>	<b>189,543</b>	<b>177,811</b>	<b>6.6</b>	<b>356,869</b>	<b>329,744</b>	<b>8.2</b>
Bituminous and lignite	11,182	10,090	11,723	314,026	306,769	2.4	581,272	553,325	5.1
Anthracite	42	35	40	1,161	1,072	8.3	2,195	2,134	2.9
<b>U.S. total</b>	<b>11,224</b>	<b>10,124</b>	<b>11,764</b>	<b>315,187</b>	<b>307,841</b>	<b>2.4</b>	<b>583,467</b>	<b>555,460</b>	<b>5.0</b>
Railroad cars loaded	65,634	60,105	69,186	1,816,455	1,757,358	3.4	3,384,971	3,191,760	6.1

Source: Energy Information Administration

EEI

**Weekly Electric Output**

**Volume 90 No. 29**

**OUTPUT FOR WEEK ENDED - Jul 16, 2022**

**Jul 20, 2022**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Jul 16, 2022** was **92,684** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **177** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended July 16		52 Weeks Ended July 16	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,500	-3.4	115,405	-0.8
Mid-Atlantic	9,406	-8.6	418,232	0.3
Central Industrial	14,099	2.8	660,014	2.9
West Central	7,633	8.5	341,156	4.0
Southeast	22,459	-0.1	1,031,877	2.4
South Central	20,219	15.8	820,974	7.3
Rocky Mountain	7,282	6.2	293,517	-0.2
Pacific Northwest	2,868	-0.4	159,563	1.6
Pacific Southwest	6,218	-1.5	268,170	-0.4
Total United States	92,684	3.4	4,108,908	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)
Jun 25	89,484	Jun 26	85,364	4.8	Jun 25	4,100,606	2.5
Jul 02	90,241	Jul 03	89,212	1.2	Jul 02	4,101,635	2.5
Jul 09	91,757	Jul 10	87,567	4.8	Jul 09	4,105,825	2.7
Jul 16	92,684	Jul 17	89,602	3.4	Jul 16	4,108,907	2.8
<b>Jul 16</b>	<b>2,294,111</b>	<b>Jul 17</b>	<b>2,217,838</b>	<b>3.4</b>	<b>YEAR TO DATE, FIRST 29 WEEKS</b>		

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

**SEASONALLY ADJUSTED 1982 = 100**

Week Ended	2022	Week Ended	2021	Week Ended	2020
Jun 25	186	Jun 26	175	Jun 27	174
Jul 02	185	Jul 03	180	Jul 04	182
Jul 09	184	Jul 10	172	Jul 11	186
Jul 16	177	Jul 17	169	Jul 18	178

\* Excludes Alaska and Hawaii.

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

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

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	16-Jul	17-Jul	% Increase Over Corresponding Week	16-Jul	17-Jul	% Increase Over Corresponding Week	16-Jul	17-Jul	% Increase Over Corresponding Week
	2022 GWh Output	2021 GWh Output		2022 GWh Output	2021 GWh Output		2022 GWh Output	2021 GWh Output	
<b>New England</b>	2,500	2,588	-3.4%	<b>63,352</b>	<b>63,877</b>	<b>-0.8%</b>	115,405	116,281	-0.8%
<b>Mid-Atlantic</b>	9,406	10,286	-8.6%	<b>231,242</b>	<b>231,307</b>	<b>0.0%</b>	418,232	417,025	0.3%
<b>Central Industrial</b>	14,099	13,713	2.8%	<b>372,382</b>	<b>363,409</b>	<b>2.5%</b>	660,014	641,394	2.9%
<b>West Central</b>	7,633	7,033	8.5%	<b>189,783</b>	<b>183,764</b>	<b>3.3%</b>	341,156	328,106	4.0%
<b>Southeast</b>	22,459	22,473	-0.1%	<b>578,541</b>	<b>561,501</b>	<b>3.0%</b>	1,031,877	1,007,250	2.4%
<b>South Central</b>	20,219	17,455	15.8%	<b>463,599</b>	<b>420,641</b>	<b>10.2%</b>	820,974	765,253	7.3%
<b>Rocky Mountain</b>	7,282	6,858	6.2%	<b>159,560</b>	<b>158,990</b>	<b>0.4%</b>	293,517	293,979	-0.2%
<b>Pacific Northwest</b>	2,868	2,880	-0.4%	<b>92,540</b>	<b>91,152</b>	<b>1.5%</b>	159,563	157,118	1.6%
<b>Pacific Southwest</b>	6,218	6,316	-1.6%	<b>143,112</b>	<b>143,201</b>	<b>-0.1%</b>	268,170	269,271	-0.4%
<b>Total United States</b> <sup>1/</sup>	<u>92,684</u>	<u>89,602</u>	3.4%	<u><b>2,294,111</b></u>	<u><b>2,217,842</b></u>	<b>3.4%</b>	<u>4,108,908</u>	<u>3,995,676</u>	2.8%
<b>Coal Regions Only</b> <sup>2/</sup>	81,098	77,818	4.2%	<b>1,995,107</b>	<b>1,919,612</b>	<b>3.9%</b>	3,565,770	3,453,006	3.3%

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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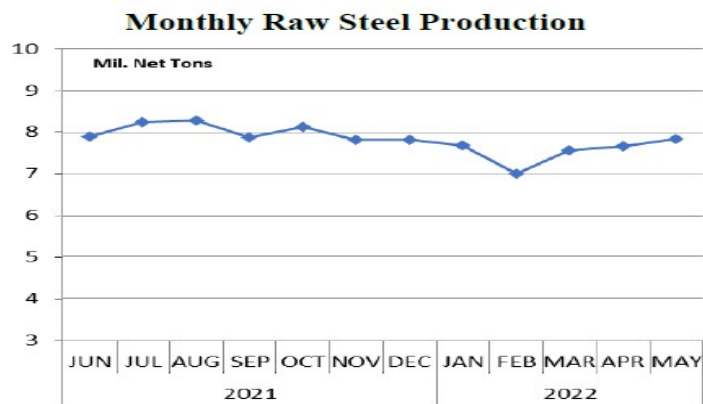
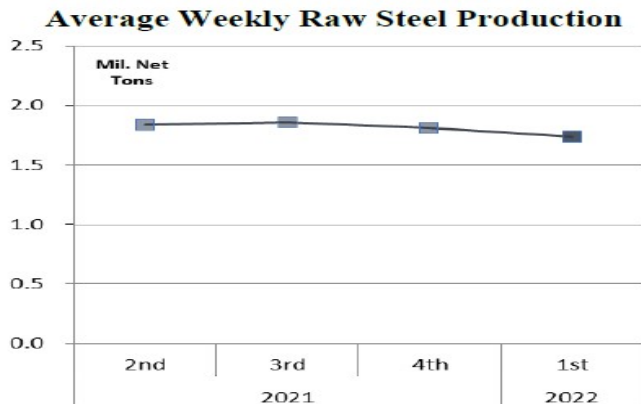
July 18, 2022

**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 July 16</u>	<u>Week Ending July 9</u>	
<b><u>Week Ending</u></b>				North East	166	164
				Great Lakes	574	577
July 16, 2022	1,738	-0.6	79.9	Midwest	205	209
July 16, 2021	1,862	-6.7	84.4	Southern	724	725
July 9, 2022	1,748	-1.1	79.3	Western	69	73
				<b>Total</b>	<b>1,738</b>	<b>1,748</b>
<b><u>Year-to-Date +</u></b>						
July 16, 2022	49,354	-2.5	80.4			
July 16, 2021	50,623	-	80.1			

\*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 April 2022 was approximately 81.9%, 7.66 million net tons. Given the large number of changes to steelmaking capability and the evolving market, AISI is updating the capacity statistics.



\*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 28, 2022 – Ended July 16, 2022

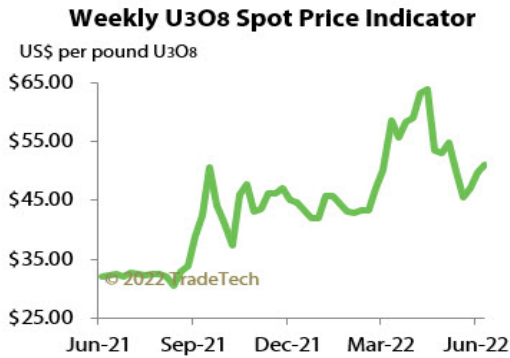
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk <sup>2</sup>	vs 2021
<b>Total Carloads</b>	<b>229,809</b>	<b>-2.4%</b>	<b>6,431,176</b>	<b>229,685</b>	<b>-0.3%</b>
Chemicals	32,504	-0.9%	947,983	33,857	4.4%
Coal	65,634	-5.1%	1,809,208	64,615	3.3%
Farm Products excl. Grain, and Food	16,695	7.0%	456,474	16,303	3.2%
Forest Products	9,574	-1.5%	276,607	9,879	-1.7%
Grain	18,752	-10.8%	627,426	22,408	-7.7%
Metallic Ores and Metals	22,046	-4.2%	580,109	20,718	-7.1%
Motor Vehicles and Parts	12,916	7.2%	362,727	12,955	-1.4%
Nonmetallic Minerals	33,017	7.2%	855,149	30,541	4.8%
Petroleum and Petroleum Products	10,175	-3.3%	263,252	9,402	-12.5%
Other	8,496	-21.3%	252,241	9,009	-8.4%
<b>Total Intermodal Units</b>	<b>269,090</b>	<b>-3.2%</b>	<b>7,377,966</b>	<b>263,499</b>	<b>-6.0%</b>
<b>Total Traffic</b>	<b>498,899</b>	<b>-2.8%</b>	<b>13,809,142</b>	<b>493,184</b>	<b>-3.4%</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.

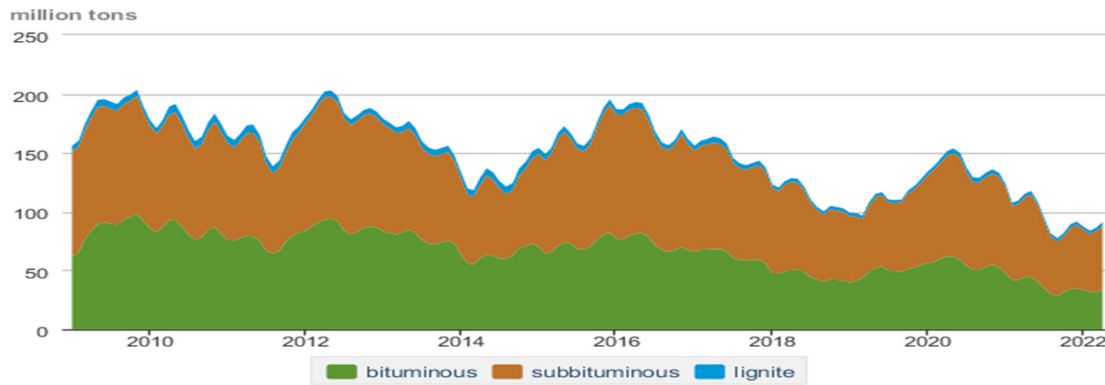
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

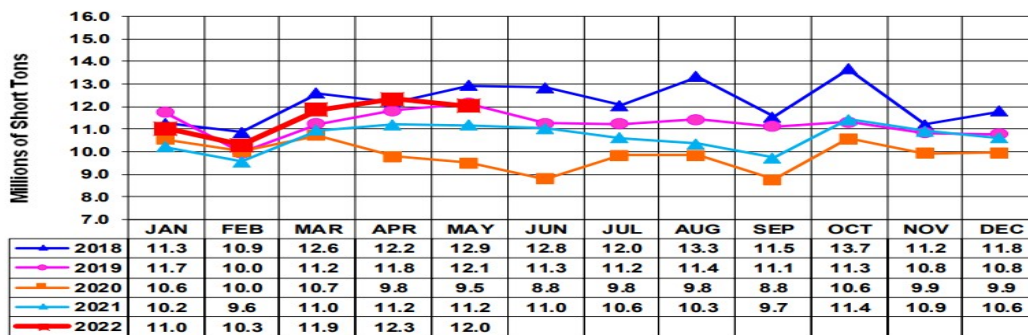
### Coal stocks by type, January 2009 - April 2022



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

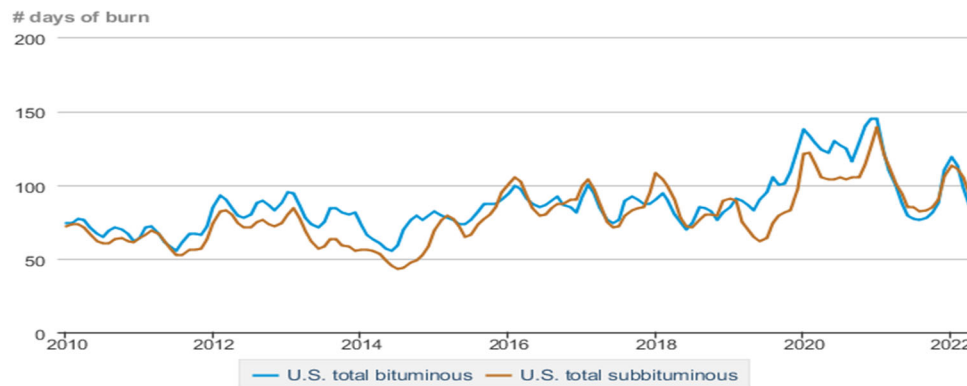
Average weekly coal commodity spot prices  
dollars per short ton

	Week ending					Week ago
	06/17/22	06/24/22	07/01/22	07/08/22	07/15/22	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$138.80	\$138.80	\$168.05	\$168.05	\$177.30	\$9.25
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$109.90	\$109.90	\$141.30	\$141.30	\$142.55	\$1.25
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$126.00	\$126.00	\$190.25	\$190.25	\$183.50	\$-6.75
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$16.55	\$16.55	\$16.55	\$16.55	\$16.55	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$39.55	\$39.55	\$40.65	\$40.65	\$41.50	\$0.85

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 - April 2022



Source: U.S. Energy Information Administration

Source: Energy Information Administration, Electricity Monthly Update Report

Temperature – heating & cooling degree days (week ending Jul 07)

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	1	-1	-10	43	10	11
Middle Atlantic	0	0	-2	60	11	2
E N Central	0	-1	-3	65	15	2
W N Central	0	-3	-1	79	15	11
South Atlantic	0	0	0	106	14	20
E S Central	0	0	0	113	24	39
W S Central	0	0	0	140	22	37
Mountain	1	-8	1	73	1	-18
Pacific	3	-3	3	30	-6	-27
United States	1	-2	-1	78	10	7

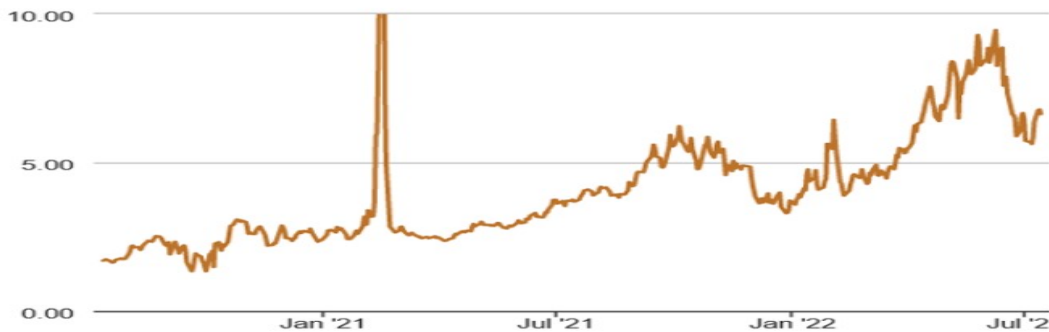
Data source: National Oceanic and Atmospheric Administration  
Note: HDDs=heating degree days; CDDs=cooling degree days

Source: Energy Information Administration, Natural Gas Weekly Update.

USGS Production of Selected Mineral Commodities	2022 Year to Date - 1st Quarter	2021 Year to Date - 1st Quarter	Percent Change
Aluminum, secondary (000 Mt.)	215.0	209.0	3%
Cement (Mil. Mt.)	19.1	18.1	6%
Copper (000 Mt.)	321.0	297.0	8%
Gold (Mt.)	52.5	44.7	17%
Gypsum (Mil. Mt.)	4.3	4.6	-7%
Iron Ore (Mil. Mt.)	10.5	13.2	-20%
Lead (000 Mt.)	68.2	72.6	-6%
Molybdenum (000 Mt.)	9.0	13.1	-31%
Palladium (Mt.)	2.9	3.7	-22%
Phosphate rock (Mil. Mt.)	4.6	5.3	-13%
Platinum (Mt.)	0.9	1.1	-18%
Sand & gravel, construction (Mil. Mt.)	185.0	176.0	5%
Silver (Mt.)	255.0	255.0	0%
Soda ash (Mil. Mt.)	2.8	2.7	4%
Stone, crushed (Mil. Mt.)	291.0	281.0	4%
Zinc (000 Mt.)	180.0	163.0	10%

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

**Natural gas spot prices (Henry Hub)**  
dollars per million British thermal units



Data source: 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	April 2022		April 2021		% Change of Stocks	March 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	1,392	231	2,720	365	-48.8%	1,507	259	-7.6%
	Subbituminous								
South	Bituminous	12,737	77	16,908	91	-24.7%	12,491	91	2.0%
	Subbituminous	3,316	55	5,740	77	-42.2%	3,374	69	-1.7%
Midwest	Bituminous	8,159	85	8,973	88	-9.1%	7,410	92	10.1%
	Subbituminous	18,556	100	25,091	118	-26.0%	17,285	112	7.4%
West	Bituminous	2,868	142	2,801	144	2.4%	2,579	145	11.2%
	Subbituminous	19,902	101	21,662	93	-8.1%	19,376	110	2.7%
U.S. Total	Bituminous	25,156	86	31,401	99	-19.9%	23,986	98	4.9%
	Subbituminous	41,775	94	52,493	101	-20.4%	40,034	105	4.3%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

### EIA Working Natural Gas Underground Storage

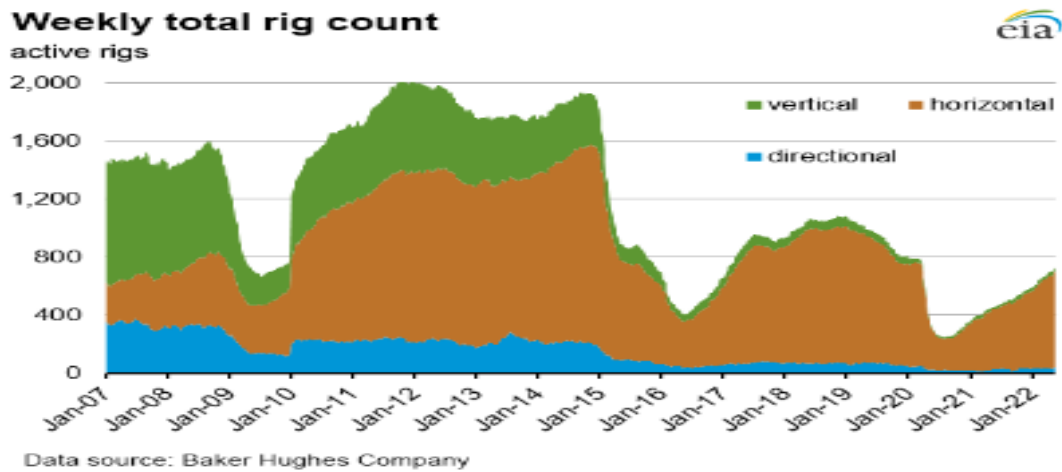
**Working gas in underground storage**

Region	Stocks billion cubic feet (Bcf)		
	2022-07-08	2022-07-01	change
East	501	482	19
Midwest	586	562	24
Mountain	143	138	5
Pacific	249	240	9
South Central	890	890	0
Total	2,369	2,311	58

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: 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					
	June 2022	July 2022	change	June 2022	July 2022	change			
Anadarko	717	712	(5)	3,699	3,662	(37)			
Appalachia	190	190	-	28,506	28,021	(485)			
Bakken	1,800	1,711	(89)	2,610	2,480	(130)			
Eagle Ford	1,867	1,783	(84)	7,012	6,731	(281)			
Haynesville	20	20	-	11,338	11,134	(204)			
Niobrara	1,548	1,532	(16)	3,954	3,875	(79)			
Permian	1,129	1,116	(13)	2,203	2,176	(27)			
Rig-weighted average	1,034	1,016	(18)	6,006	5,897	(109)			

Source: Energy Information Administration, *Drilling Productivity Report*

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

Cobalt - March 2022	Mar-22	Year to Date
U.S. Imports for Consumption - Metals (mt)	648	1,840
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	597	1,340
Reported Stocks of Cobalt Metal (mt)	U.S. Govt	LME
	302	248
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	38.17	36.47

Source: USGS, Mineral Industry Survey, Cobalt in March 2022, May 2022

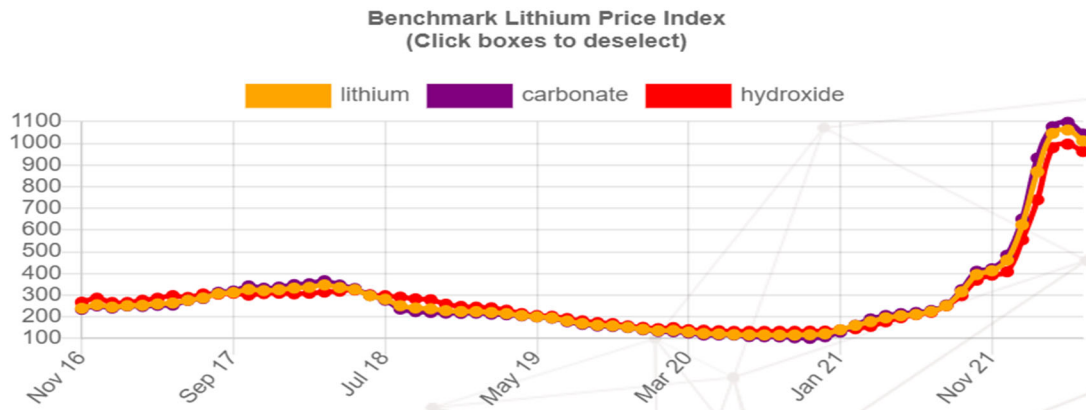
### Cobalt and Lithium Prices

#### 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/>