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# NATIONAL MINING ASSOCIATION

## *Weekly Statistical Summary*

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**July 1, 2022 Edition**  
**(Data for Week Ending June 25, 2022)**

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



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# NMA Weekly Statistical Summary

Vol. 60, No. 26  
Dated 07/01/22

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	06/25/22	06/26/21	% Chng	06/25/22	06/25/21	% Chng
<b>EIA Coal Production (000 Tons):</b>						
Week Ended/Year to Date	10,623	11,243	-5.5%	282,867	275,204	2.8%
52 Weeks Ended	584,263	550,438	6.1%			
AAR Coal Rail Cars Loaded:	62,041	66,595	-6.8%	1,626,340	1,563,664	4.0%
Coal Production Month Ended - May	<b>May 22/21</b>		<b>% Chng</b>	<b>Jan - May 22/21</b>		<b>% Chng</b>
	48,484	48,632	-0.3%	241,418	234,256	3.1%
<b>DOC Coal Trade (000 Tons)</b>						
<b>Exports:</b>	<b>Apr 22/21</b>		<b>% Chng</b>	<b>Jan - Apr 22/21</b>		<b>% Chng</b>
Metallurgical	4,228	3,713	13.9%	14,704	14,062	4.6%
Steam Bit. *	3,734	3,057	22.1%	13,418	13,311	0.8%
Lignite	6	6	0.0%	25	27	-7.4%
Anthracite	85	38	123.7%	104	136	-23.5%
<b>Total</b>	8,053	6,814	18.2%	28,251	27,536	2.6%
<b>Imports:</b>	684	509	34.4%	2,006	1,584	26.6%
	Week Ended			Cumulative Week 1 to		
	06/25/22	06/26/21	% Chng	06/25/22	06/26/21	% Chng
<b>EEl Electric Total Output (Mil. Kwh)</b>	89,484	85,364	4.8%	2,019,430	1,951,458	3.5%
<b>EEl Coal Region Output (Mil. Kwh)</b>	78,574	74,020	6.2%	1,753,987	1,688,603	3.9%
<b>AISI Raw Steel Output (000 Tons)</b>	1,750	1,844	-5.1%	44,166	45,050	-2.0%

## 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)	
	06/24/22	06/17/22	% Chng	Wed.	06/22/22
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$138.80	\$138.80	0.0%	Henry Hub	6.59
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	109.90	109.90	0.0%	New York	5.90
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	126.00	126.00	0.0%	Chicago	6.56
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	16.55	16.55	0.0%	Cal.Comp.Avg.	7.22
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	39.55	39.55	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

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

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	6/25/2022 (week 26)	6/18/2022 (week 25)	6/26/2021 (week 26)	6/25/2022	6/25/2021	% Change	6/25/2022	6/26/2021	% Change
Alabama	134	146	166	4,314	5,108	-15.6	8,502	10,874	-21.8
Alaska	17	18	18	484	531	-9.0	992	1,043	-4.9
Colorado	223	261	203	5,644	4,860	16.1	12,632	10,034	25.9
Illinois	613	710	772	17,894	20,464	-12.6	34,244	36,338	-5.8
Indiana	344	375	365	9,536	9,257	3.0	19,702	18,959	3.9
<b>Kentucky total</b>	<b>488</b>	<b>510</b>	<b>528</b>	<b>13,330</b>	<b>12,922</b>	<b>3.2</b>	<b>26,974</b>	<b>25,795</b>	<b>4.6</b>
Eastern (KY)	212	222	208	5,481	4,807	14.0	10,984	9,033	21.6
Western (KY)	276	288	320	7,849	8,114	-3.3	15,990	16,763	-4.6
Louisiana	5	7	5	126	116	8.6	309	269	14.9
Maryland	24	28	23	627	614	2.1	1,321	1,125	17.4
Mississippi	63	67	65	1,531	1,596	-4.1	3,127	2,874	8.8
Missouri	1	1	1	27	36	-23.6	36	114	-68.4
Montana	524	585	532	13,706	12,951	5.8	29,266	26,264	11.4
New Mexico	149	163	161	4,592	4,288	7.1	9,548	9,325	2.4
North Dakota	479	493	478	12,928	12,729	1.6	26,680	26,048	2.4
Ohio	40	47	43	1,224	1,264	-3.2	2,716	2,925	-7.1
Oklahoma	s	s	.	1	.	100.0	1	.	.
<b>Pennsylvania total</b>	<b>763</b>	<b>757</b>	<b>900</b>	<b>20,427</b>	<b>22,564</b>	<b>-9.5</b>	<b>40,128</b>	<b>41,576</b>	<b>-3.5</b>
Anthracite (PA)	35	38	37	1,045	941	11.1	2,189	2,128	2.9
Bituminous (PA)	728	720	863	19,382	21,623	-10.4	37,939	39,448	-3.8
Texas	281	321	305	7,535	7,391	2.0	17,355	17,548	-1.1
Utah	211	227	237	5,829	5,973	-2.4	12,168	12,611	-3.5
Virginia	201	221	207	5,279	5,159	2.3	11,066	10,015	10.5
<b>West Virginia total</b>	<b>1,456</b>	<b>1,556</b>	<b>1,561</b>	<b>39,420</b>	<b>38,603</b>	<b>2.1</b>	<b>79,286</b>	<b>73,362</b>	<b>8.1</b>
Northern (WV)	807	839	872	21,949	21,918	0.1	44,401	42,261	5.1
Southern (WV)	649	718	689	17,471	16,685	4.7	34,885	31,101	12.2
Wyoming	4,607	4,857	4,672	118,414	108,778	8.9	248,208	223,340	11.1
Appalachian total	2,831	2,978	3,107	76,771	78,119	-1.7	154,004	148,909	3.4
<b>Interior total</b>	<b>1,582</b>	<b>1,769</b>	<b>1,834</b>	<b>44,499</b>	<b>46,974</b>	<b>-5.3</b>	<b>90,764</b>	<b>92,865</b>	<b>-2.3</b>
<b>Western total</b>	<b>6,210</b>	<b>6,603</b>	<b>6,302</b>	<b>161,597</b>	<b>150,111</b>	<b>7.7</b>	<b>339,495</b>	<b>308,665</b>	<b>10.0</b>
<b>East of Mississippi River</b>	<b>4,126</b>	<b>4,418</b>	<b>4,630</b>	<b>113,581</b>	<b>117,550</b>	<b>-3.4</b>	<b>227,067</b>	<b>223,843</b>	<b>1.4</b>
<b>West of Mississippi River</b>	<b>6,497</b>	<b>6,931</b>	<b>6,613</b>	<b>169,286</b>	<b>157,654</b>	<b>7.4</b>	<b>357,196</b>	<b>326,596</b>	<b>9.4</b>
Bituminous and lignite	10,587	11,311	11,206	281,822	274,263	2.8	582,074	548,310	6.2
Anthracite	35	38	37	1,045	941	11.1	2,189	2,128	2.9
<b>U.S. total</b>	<b>10,623</b>	<b>11,349</b>	<b>11,243</b>	<b>282,867</b>	<b>275,204</b>	<b>2.8</b>	<b>584,263</b>	<b>550,438</b>	<b>6.1</b>
Railroad cars loaded	62,041	66,281	66,595	1,626,340	1,563,664	4.0	3,388,892	3,154,541	7.4

Source: Energy Information Administration

EI

**Weekly Electric Output**

**Volume 90 No. 26**

**OUTPUT FOR WEEK ENDED - Jun 25, 2022**

**Jun 29, 2022**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Jun 25, 2022** was **89,484** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **186** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended June 25		52 Weeks Ended June 25	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,067	-12.2	115,855	-0.2
Mid-Atlantic	7,863	-7.9	420,478	1.0
Central Industrial	14,491	11.0	659,614	2.4
West Central	8,083	15.6	340,501	3.3
Southeast	22,224	6.5	1,028,586	1.9
South Central	20,069	10.4	812,680	5.6
Rocky Mountain	5,844	-8.7	293,799	0.6
Pacific Northwest	2,856	-11.8	160,180	2.8
Pacific Southwest	5,987	4.1	268,914	0.4
Total United States	89,484	4.8	4,100,606	2.5

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

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Jun 04	80,794	Jun 05	74,653	8.2	Jun 04	4,096,496	2.8
Jun 11	81,976	Jun 12	87,138	-5.9	Jun 11	4,091,334	2.5
Jun 18	91,360	Jun 19	86,207	6.0	Jun 18	4,096,486	2.4
Jun 25	89,484	Jun 26	85,364	4.8	Jun 25	4,100,606	2.5
<b>Jun 25</b>	<b>2,019,430</b>	<b>Jun 26</b>	<b>1,951,458</b>	<b>3.5</b>	<b>YEAR TO DATE, FIRST 26 WEEKS</b>		

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

**SEASONALLY ADJUSTED 1982 = 100**

Week Ended	2022	Week Ended	2021	Week Ended	2020
Jun 04	181	Jun 05	161	Jun 06	178
Jun 11	173	Jun 12	181	Jun 13	176
Jun 18	193	Jun 19	180	Jun 20	165
Jun 25	186	Jun 26	175	Jun 27	174

\* 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		
	25-Jun	26-Jun	% Increase Over Corresponding Week	25-Jun	26-Jun	% Increase Over Corresponding Week	25-Jun	26-Jun	% 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>	2,067	2,356	-12.3%	<b>56,049</b>	<b>56,124</b>	<b>-0.1%</b>	115,855	116,093	-0.2%
<b>Mid-Atlantic</b>	7,863	8,540	-7.9%	<b>203,538</b>	<b>201,358</b>	<b>1.1%</b>	420,478	416,232	1.0%
<b>Central Industrial</b>	14,491	13,055	11.0%	<b>330,056</b>	<b>321,483</b>	<b>2.7%</b>	659,614	644,291	2.4%
<b>West Central</b>	8,083	6,994	15.6%	<b>167,679</b>	<b>162,315</b>	<b>3.3%</b>	340,501	329,639	3.3%
<b>Southeast</b>	22,224	20,858	6.5%	<b>509,190</b>	<b>495,440</b>	<b>2.8%</b>	1,028,586	1,008,979	1.9%
<b>South Central</b>	20,069	18,173	10.4%	<b>404,438</b>	<b>369,774</b>	<b>9.4%</b>	812,680	769,307	5.6%
<b>Rocky Mountain</b>	5,844	6,400	-8.7%	<b>139,086</b>	<b>138,233</b>	<b>0.6%</b>	293,799	292,192	0.5%
<b>Pacific Northwest</b>	2,856	3,239	-11.8%	<b>84,185</b>	<b>82,180</b>	<b>2.4%</b>	160,180	155,880	2.8%
<b>Pacific Southwest</b>	5,987	5,749	4.1%	<b>125,209</b>	<b>124,554</b>	<b>0.5%</b>	268,914	267,916	0.4%
<b>Total United States <sup>1/</sup></b>	<u>89,484</u>	<u>85,364</u>	4.8%	<u><b>2,019,430</b></u>	<u><b>1,951,461</b></u>	<b>3.5%</b>	<u>4,100,607</u>	<u>4,000,527</u>	2.5%
<b>Coal Regions Only <sup>2/</sup></b>	78,574	74,020	6.2%	<b>1,753,987</b>	<b>1,688,603</b>	<b>3.9%</b>	3,555,658	3,460,638	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.

<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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June 27, 2022

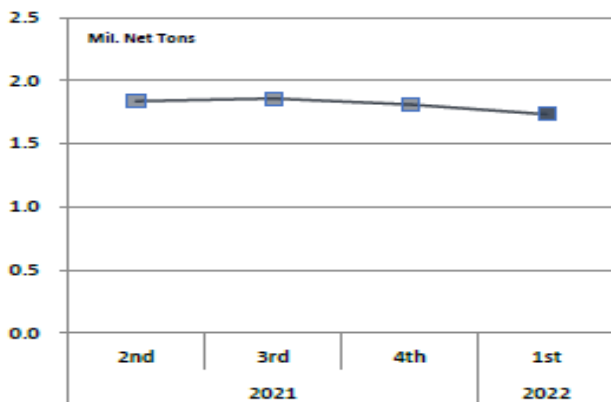
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

<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 June 25</u>	<u>Week Ending June 18</u>	
<b><u>Week Ending</u></b>				North East	149	165
				Great Lakes	583	578
June 25, 2022	1,750	-0.5	80.2	Midwest	208	206
June 25, 2021	1,844	-5.1	83.0	Southern	745	742
June 18, 2022	1,758	-1.5	80.5	Western	65	67
				<b>Total</b>	<b>1,750</b>	<b>1,758</b>
<b><u>Year-to-Date +</u></b>						
June 25, 2022	44,166	-2.0	80.7			
June 25, 2021	45,050	-	79.4			

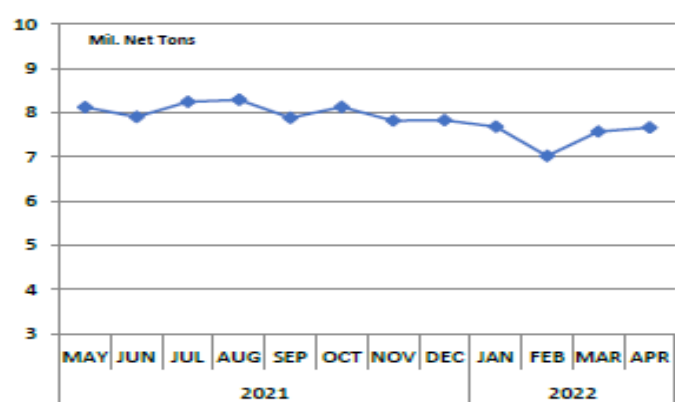
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

**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 25, 2022 – Ended June 25, 2022**

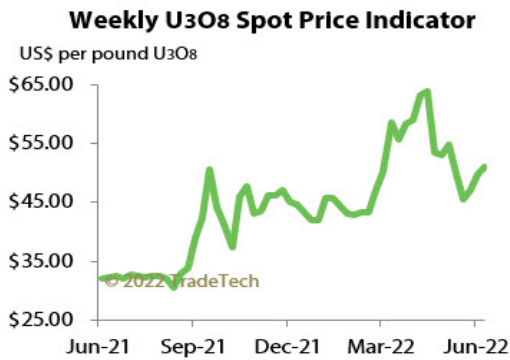
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk <sup>2</sup>	vs 2021
<b>Total Carloads</b>	<b>229,857</b>	<b>-3.1%</b>	<b>5,759,356</b>	<b>230,374</b>	<b>-0.1%</b>
Chemicals	32,742	3.5%	851,308	34,052	5.2%
Coal	62,041	-6.8%	1,619,094	64,764	3.9%
Farm Products excl. Grain, and Food	16,396	4.2%	407,787	16,311	2.8%
Forest Products	9,684	-8.7%	247,450	9,898	-1.5%
Grain	21,732	-1.2%	568,739	22,750	-8.6%
Metallic Ores and Metals	21,907	-8.4%	517,885	20,715	-6.8%
Motor Vehicles and Parts	12,912	2.0%	326,054	13,042	-1.9%
Nonmetallic Minerals	33,631	1.5%	760,002	30,400	5.1%
Petroleum and Petroleum Products	9,884	-3.1%	233,576	9,343	-13.6%
Other	8,928	-17.4%	227,461	9,098	-7.7%
<b>Total Intermodal Units</b>	<b>263,517</b>	<b>-5.5%</b>	<b>6,613,002</b>	<b>264,520</b>	<b>-6.3%</b>
<b>Total Traffic</b>	<b>493,374</b>	<b>-4.4%</b>	<b>12,372,358</b>	<b>494,894</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.

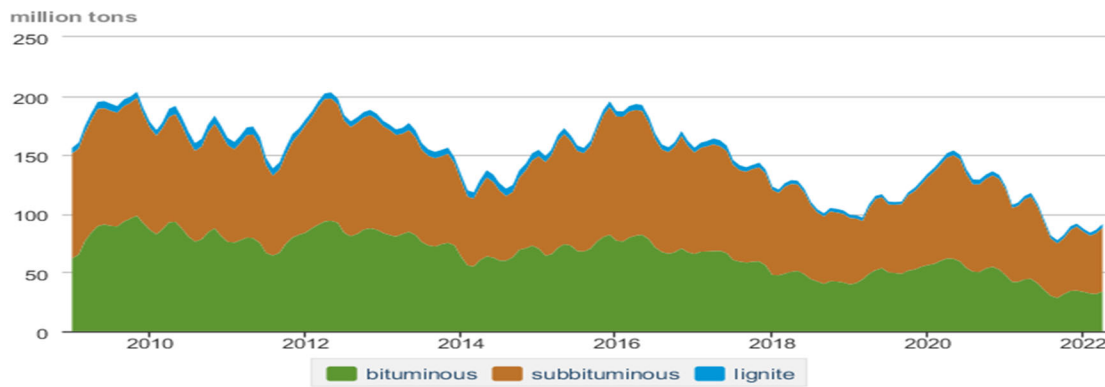
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

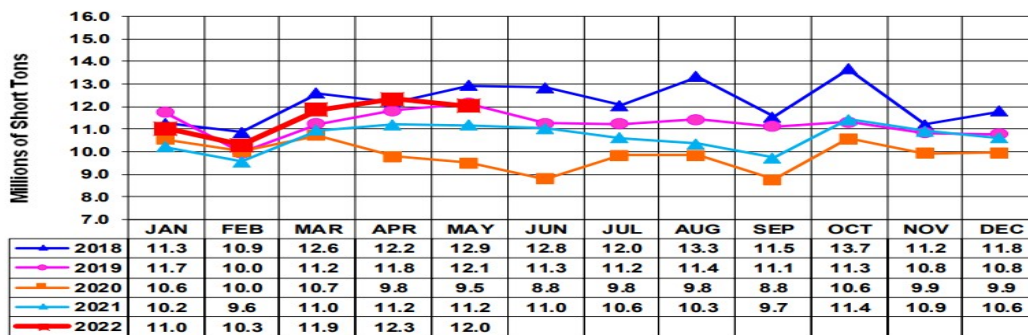
### Coal stocks by type, January 2009 - April 2022



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.

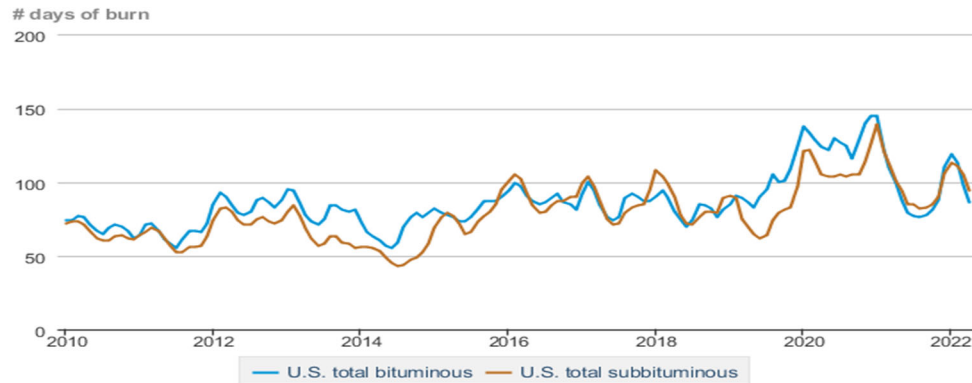
Source: Waterborne Commerce Statistics Center

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

	Week ending					Week ago
	06/03/22	06/10/22	06/17/22	06/24/22	07/01/22	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$129.65	\$138.80	\$138.80	\$138.80	\$168.05	\$29.25
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$102.00	\$109.90	\$109.90	\$109.90	\$141.30	\$31.40
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$122.75	\$126.00	\$126.00	\$126.00	\$190.25	\$64.25
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$15.45	\$16.55	\$16.55	\$16.55	\$16.55	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$37.10	\$39.55	\$39.55	\$39.55	\$40.65	\$1.10

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*

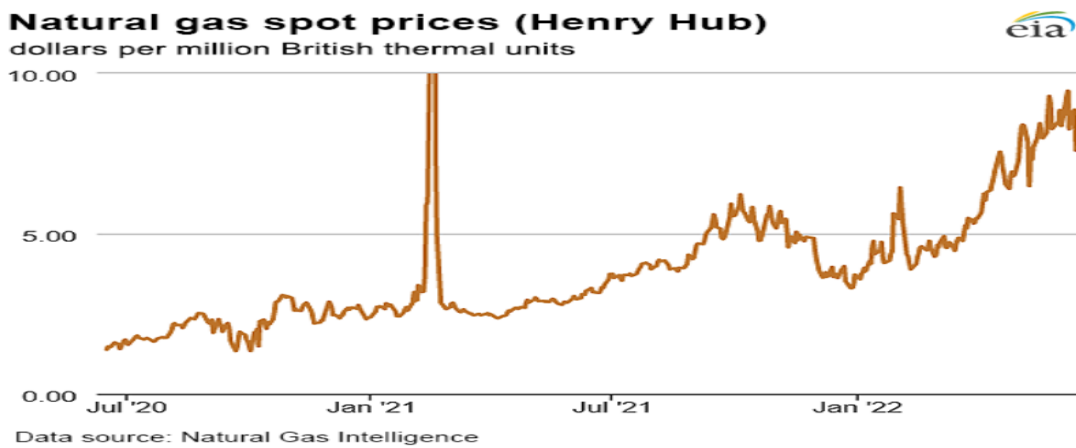
Region	Temperature – heating & cooling degree days (week ending Jun 23)					
	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	23	14	14	7	-11	-25
Middle Atlantic	9	4	1	16	-16	-17
E N Central	6	0	-6	53	15	17
W N Central	0	-7	-8	84	34	23
South Atlantic	1	1	0	82	2	3
E S Central	0	0	-1	92	17	22
W S Central	0	0	0	135	28	23
Mountain	9	-8	7	53	-7	-39
Pacific	13	1	12	25	-1	-31
United States	7	0	1	60	5	-2

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	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

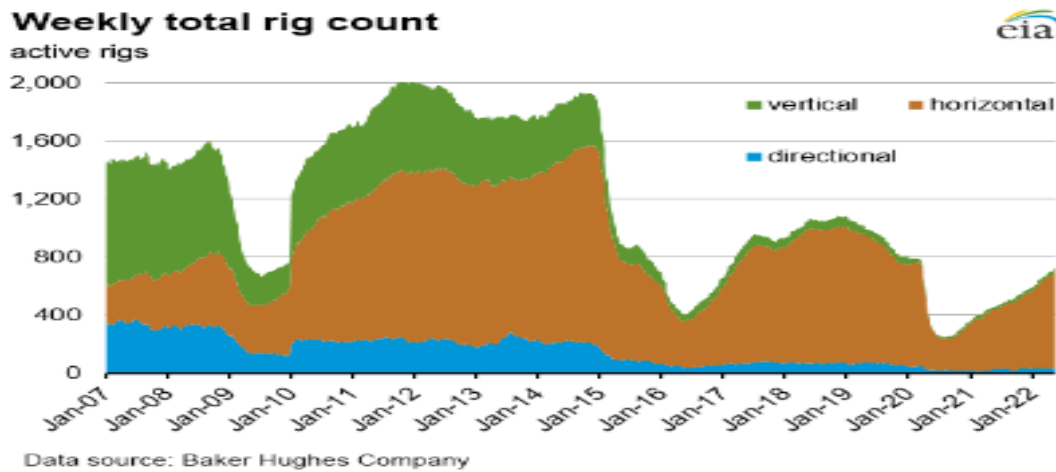
**Working gas in underground storage**

Region	Stocks billion cubic feet (Bcf)		
	2022-06-24	2022-06-17	change
East	461	430	31
Midwest	535	506	29
Mountain	134	128	6
Pacific	235	231	4
South Central	886	875	11
Total	2,251	2,169	82

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

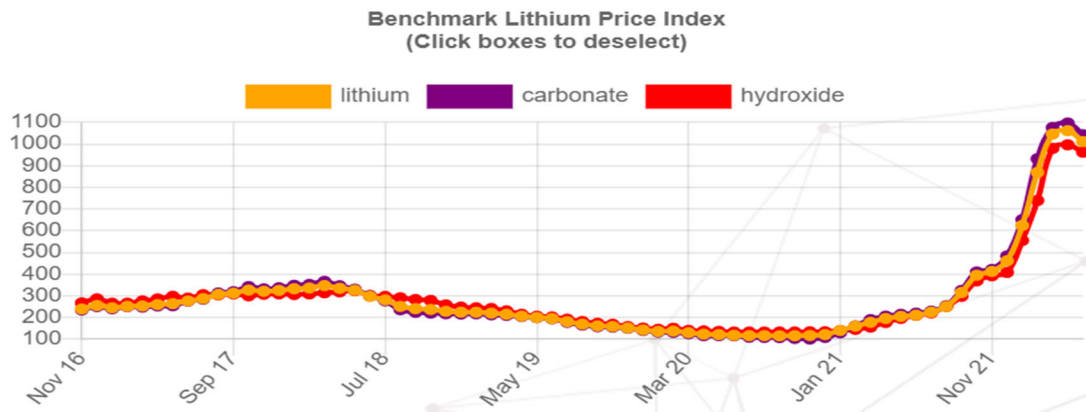
### Cobalt and Lithium Prices

#### 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/>