
NATIONAL MINING ASSOCIATION

Weekly Statistical Summary

June 3, 2022 Edition
(Data for Week Ending May 28, 2022)

Prepared by
National Mining Association



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NMA Weekly Statistical Summary

Vol. 60, No. 22
Dated 06/03/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	05/28/22	05/29/21	% Chng	05/28/22	05/28/21	% Chng
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	10,892	11,253	-3.2%	236,698	229,825	3.0%
52 Weeks Ended	583,471	541,982	7.7%			
AAR Coal Rail Cars Loaded:	63,937	66,651	-4.1%	1,365,785	1,294,879	5.5%
Coal Production	April 22/21		% Chng	Jan - Apr 22/21		% Chng
Month Ended - April	45,495	45,318	0.4%	192,934	185,624	3.9%
DOC Coal Trade (000 Tons)						
Exports:	Mar 22/21		% Chng	Jan - Mar 22/21		% Chng
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%
Total	7,316	7,586	-3.6%	20,199	20,721	-2.5%
Imports:	530	241	119.9%	1,322	1,075	23.0%
	Week Ended			Cumulative Week 1 to		
	05/28/22	05/29/21	% Chng	05/28/22	05/29/21	% Chng
EEl Electric Total Output (Mil. Kwh)	75,320	77,043	-2.2%	1,675,817	1,618,096	3.6%
EEl Coal Region Output (Mil. Kwh)	65,345	67,293	-2.9%	1,451,632	1,398,063	3.8%
AISI Raw Steel Output (000 Tons)	1,798	1,834	-2.0%	37,093	37,677	-1.6%

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)	
	05/27/22	05/20/22	% Chng	Wed.	05/25/22
Central App, 12,500 Btu, 1.2 SO ₂	\$129.65	\$125.80	3.1%	Henry Hub	9.30
Northern App, 13,000 Btu, < 3.0 SO ₂	102.00	98.95	3.1%	New York	8.23
Illinois Basin, 11,800, 5.0 SO ₂	122.75	122.75	0.0%	Chicago	8.93
Powder River Basin, 8,800 Btu 0.8 SO ₂	15.45	15.50	-0.3%	Cal.Comp.Avg.	9.70
Uinta Basin, 11,700 Btu, 0.8 SO ₂	37.10	37.25	-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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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		
	5/28/2022 (week 22)	5/21/2022 (week 21)	5/29/2021 (week 22)	5/28/2022	5/28/2021	% Change	5/28/2022	5/29/2021	% Change
Alabama	140	148	167	3,483	4,436	-21.5	8,344	11,243	-25.8
Alaska	17	18	18	420	457	-8.0	1,004	1,042	-3.6
Colorado	240	230	203	4,634	4,040	14.7	12,442	9,949	25.1
Illinois	738	752	773	17,101	17,346	-1.4	36,568	35,546	2.9
Indiana	345	351	365	7,420	7,784	-4.7	19,058	18,905	0.8
Kentucky total	505	528	528	11,174	10,790	3.6	26,949	25,043	7.6
Eastern (KY)	215	222	208	4,500	3,966	13.5	10,845	8,757	23.8
Western (KY)	290	306	320	6,674	6,824	-2.2	16,104	16,286	-1.1
Louisiana	6	5	5	98	97	1.5	301	283	6.4
Maryland	26	26	23	548	523	4.8	1,334	1,124	18.7
Mississippi	65	66	65	1,308	1,332	-1.8	3,168	2,859	10.8
Missouri	1	1	1	25	30	-15.2	39	120	-67.5
Montana	557	554	533	11,515	10,803	6.6	29,223	25,887	12.9
New Mexico	144	149	162	3,164	3,637	-13.0	8,772	9,358	-6.3
North Dakota	453	475	478	10,353	10,801	-4.1	26,033	26,088	-0.2
Ohio	42	42	43	928	1,092	-15.0	2,593	2,977	-12.9
Oklahoma	s	s	.	s	.	100.0	1	.	.
Pennsylvania total	819	894	901	19,752	18,931	4.3	43,085	40,005	7.7
Anthracite (PA)	32	33	37	712	791	-10.0	2,006	2,151	-6.7
Bituminous (PA)	787	861	863	19,040	18,141	5.0	41,079	37,854	8.5
Texas	283	276	306	5,823	6,158	-5.4	16,876	17,806	-5.2
Utah	207	213	237	4,634	5,016	-7.6	11,931	12,651	-5.7
Virginia	220	222	207	4,695	4,325	8.5	11,316	9,797	15.5
West Virginia total	1,517	1,572	1,562	33,768	32,303	4.5	79,933	71,857	11.2
Northern (WV)	824	869	872	19,275	18,400	4.8	45,246	41,373	9.4
Southern (WV)	693	703	690	14,492	13,903	4.2	34,687	30,483	13.8
Wyoming	4,568	4,656	4,675	95,854	89,923	6.6	244,503	219,445	11.4
Appalachian total	2,980	3,127	3,110	67,674	65,577	3.2	157,448	145,759	8.0
Interior total	1,727	1,757	1,836	38,448	39,571	-2.8	92,116	91,805	0.3
Western total	6,186	6,295	6,307	130,576	124,677	4.7	333,908	304,419	9.7
East of Mississippi River	4,418	4,602	4,634	100,175	98,864	1.3	232,346	219,354	5.9
West of Mississippi River	6,475	6,577	6,619	136,523	130,961	4.2	351,125	322,628	8.8
Bituminous and lignite	10,860	11,145	11,215	235,987	229,035	3.0	581,466	539,831	7.7
Anthracite	32	33	37	712	791	-10.0	2,006	2,151	-6.7
U.S. total	10,892	11,178	11,253	236,698	229,825	3.0	583,471	541,982	7.7
Railroad cars loaded	63,937	65,609	66,651	1,365,785	1,294,879	5.5	3,397,113	3,087,839	10.0

Source: Energy Information Administration



Weekly Electric Output

Volume 90 No. 22

OUTPUT FOR WEEK ENDED - May 28, 2022

Jun 02, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **May 28, 2022** was **75,320** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **171** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended May 28		52 Weeks Ended May 28	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,039	-0.9	116,592	0.6
Mid-Atlantic	7,494	-3.5	420,921	1.3
Central Industrial	11,268	-9.3	658,154	2.5
West Central	5,822	-7.4	341,138	4.1
Southeast	19,810	-3.8	1,023,565	1.5
South Central	15,570	2.5	804,407	5.0
Rocky Mountain	5,381	6.8	295,658	2.1
Pacific Northwest	2,784	-0.5	160,889	3.8
Pacific Southwest	5,152	5.3	269,033	0.7
Total United States	75,320	-2.2	4,090,355	2.6

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
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
May 28	75,320	May 29	77,043	-2.2	May 28	4,090,355	2.6
May 28	1,675,817	May 29	1,618,096	3.6	YEAR TO DATE, FIRST 22 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
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
May 28	171	May 29	170	May 30	169

* 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		
	28-May 2022 GWh Output	29-May 2021 GWh Output	% Increase Over Corresponding Week	28-May 2022 GWh Output	29-May 2021 GWh Output	% Increase Over Corresponding Week	28-May 2022 GWh Output	29-May 2021 GWh Output	% Increase Over Corresponding Week
New England	2,039	2,058	-0.9%	47,659	46,997	1.4%	116,592	115,918	0.6%
Mid-Atlantic	7,494	7,764	-3.5%	170,672	168,049	1.6%	420,921	415,519	1.3%
Central Industrial	11,268	12,420	-9.3%	275,593	268,480	2.6%	658,154	642,089	2.5%
West Central	5,822	6,286	-7.4%	139,622	133,620	4.5%	341,138	327,603	4.1%
Southeast	19,810	20,595	-3.8%	422,115	413,386	2.1%	1,023,565	1,008,013	1.5%
South Central	15,570	15,192	2.5%	328,013	301,622	8.7%	804,407	765,973	5.0%
Rocky Mountain	5,381	5,036	6.9%	115,617	112,906	2.4%	295,658	289,602	2.1%
Pacific Northwest	2,784	2,798	-0.5%	73,385	70,671	3.8%	160,889	154,931	3.8%
Pacific Southwest	5,152	4,894	5.3%	103,140	102,367	0.8%	269,033	267,060	0.7%
Total United States ^{1/}	<u>75,320</u>	<u>77,043</u>	-2.2%	<u>1,675,816</u>	<u>1,618,098</u>	<u>3.6%</u>	<u>4,090,357</u>	<u>3,986,708</u>	2.6%
Coal Regions Only ^{2/}	65,345	67,293	-2.9%	1,451,632	1,398,063	3.8%	3,543,843	3,448,799	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.

^{1/} Excludes Alaska and Hawaii

^{2/} Excludes New England and Pacific regions

SOURCE: Edison Electric Institute (EEI), *Weekly Electric Output Report*.

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May 31, 2022

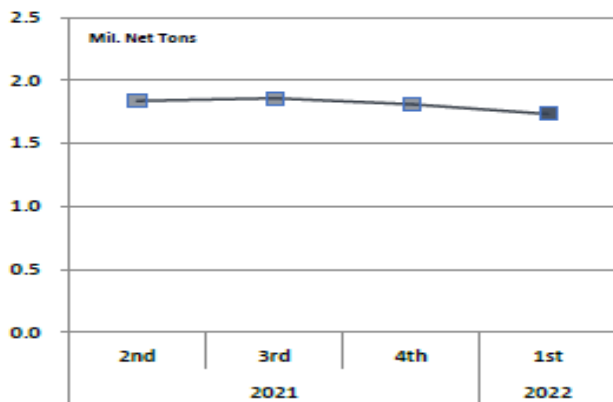
ESTIMATED WEEKLY RAW STEEL* PRODUCTION

<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 28</u>	<u>Week Ending May 21</u>	
<u>Week Ending</u>				North East	168	171
				Great Lakes	587	567
May 28, 2022	1,798	0.5	82.4	Midwest	205	208
May 28, 2021	1,834	-2.0	81.0	Southern	767	772
May 21, 2022	1,789	0.2	82.1	Western	71	71
				Total	1,798	1,789
<u>Year-to-Date +</u>						
May 28, 2022	37,093	-1.5	80.6			
May 28, 2021	37,677	-	78.7			

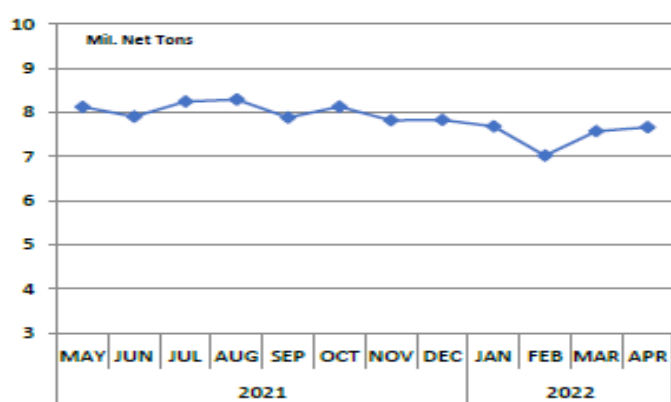
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

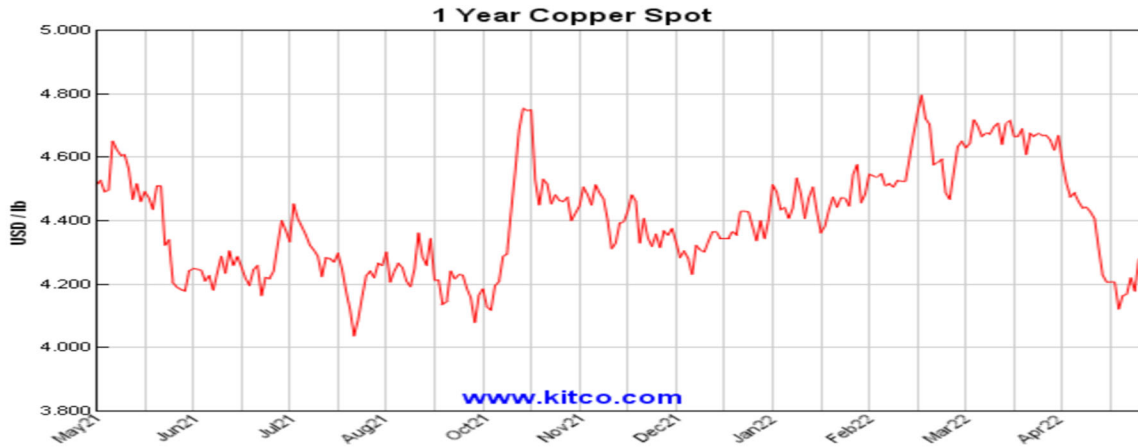
Average Weekly Raw Steel Production



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

U.S. Rail Traffic¹
Week 21, 2022 – Ended May 28, 2022

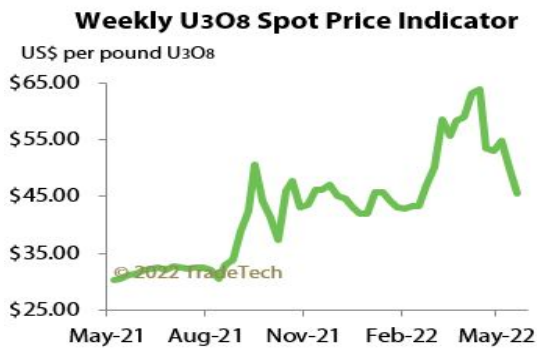
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	233,633	-4.0%	4,835,705	230,272	0.2%
Chemicals	33,345	-2.0%	720,920	34,330	6.1%
Coal	63,937	-4.1%	1,358,540	64,692	5.4%
Farm Products excl. Grain, and Food	16,694	8.5%	344,398	16,400	2.8%
Forest Products	9,969	-5.2%	208,693	9,938	-0.8%
Grain	21,686	-15.1%	479,699	22,843	-10.3%
Metallic Ores and Metals	21,109	-13.3%	432,666	20,603	-6.4%
Motor Vehicles and Parts	13,708	6.0%	273,465	13,022	-3.6%
Nonmetallic Minerals	32,423	-0.4%	631,060	30,050	5.7%
Petroleum and Petroleum Products	9,602	-14.0%	194,445	9,259	-15.4%
Other	11,160	9.2%	191,819	9,134	-6.7%
Total Intermodal Units	280,644	-2.2%	5,555,607	264,553	-6.6%
Total Traffic	514,277	-3.0%	10,391,312	494,824	-3.5%

¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

² Average per week figures may not sum to totals as a result of independent rounding.

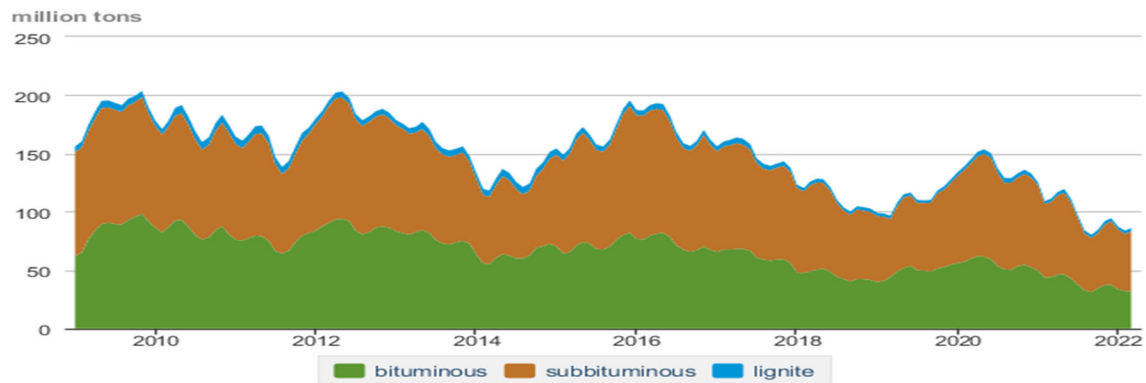
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's and UX's Uranium Price Indicators



Sources: Trade Tech, Uranium Info Website – www.uranium.info ; Source: Ux Consulting Co., LLC – <http://www.uxc.com>

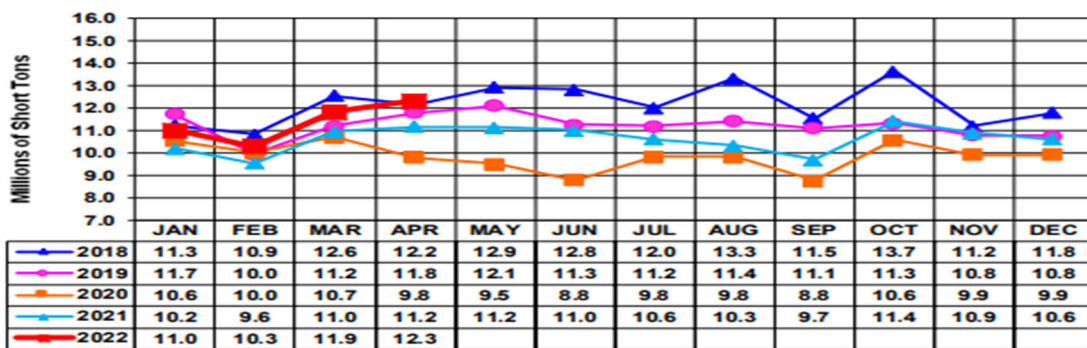
Coal stocks by type, January 2009 - March 2022



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

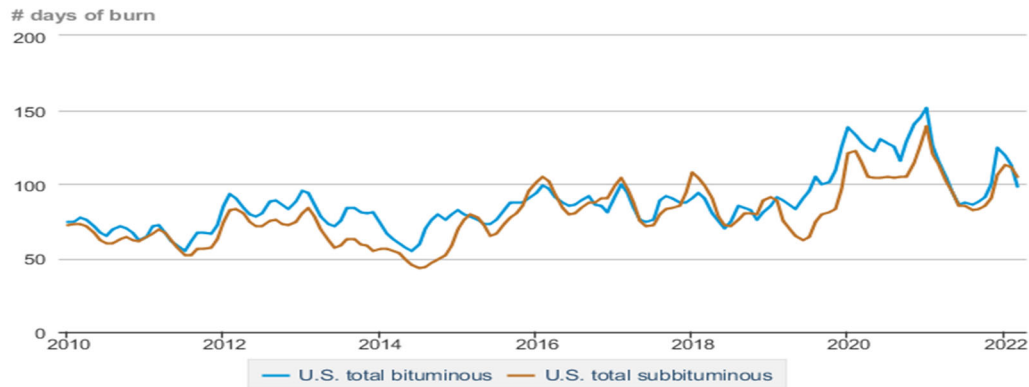
Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago change
	04/29/22	05/06/22	05/13/22	05/20/22	05/27/22	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$119.30	\$119.30	\$125.80	\$125.80	\$129.65	\$3.85
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$96.00	\$96.00	\$98.95	\$98.95	\$102.00	\$3.05
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$119.00	\$119.00	\$122.75	\$122.75	\$122.75	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$15.55	\$15.55	\$15.50	\$15.50	\$15.45	\$-0.05
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$37.40	\$37.40	\$37.25	\$37.25	\$37.10	\$-0.15

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 - March 2022



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending May 19)

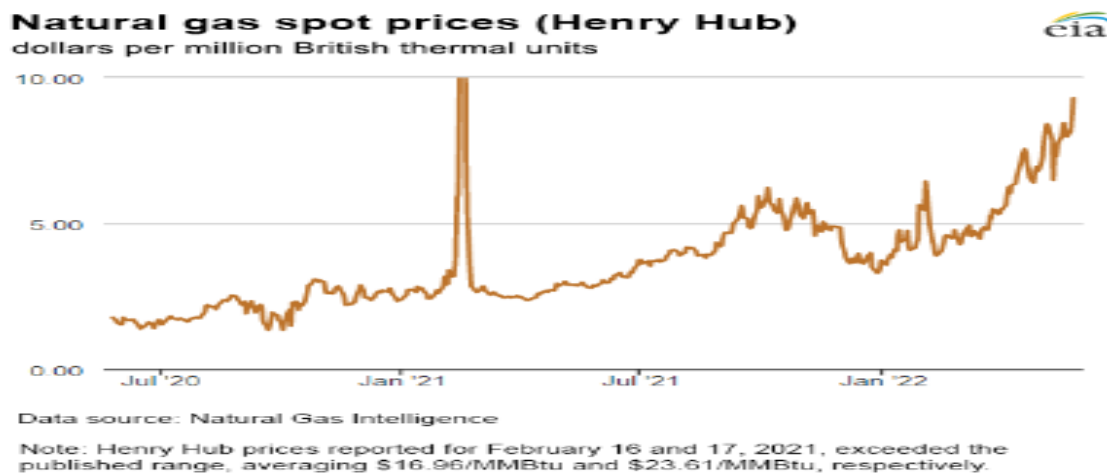
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	23	-36	-11	13	12	12
Middle Atlantic	18	-29	-16	7	2	3
E N Central	21	-32	-27	21	10	18
W N Central	20	-26	-20	28	14	21
South Atlantic	2	-16	-31	56	16	25
E S Central	2	-15	-25	54	24	31
W S Central	0	-4	-8	103	46	61
Mountain	33	-27	-8	33	13	9
Pacific	16	-22	-12	7	0	6
United States	16	-24	-19	36	15	20

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	March 2022		March 2021		% Change of Stocks	February 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	1,507	259	2,856	365	-47.2%	1,678	293	-10.2%
	Subbituminous								
South	Bituminous	12,491	91	16,376	104	-23.7%	11,527	97	8.4%
	Subbituminous	3,374	69	5,423	88	-37.8%	3,286	71	2.7%
Midwest	Bituminous	7,410	92	10,480	111	-29.3%	10,049	123	-26.3%
	Subbituminous	17,285	112	23,463	124	-26.3%	16,466	121	5.0%
West	Bituminous	2,579	145	2,624	148	-1.7%	2,308	144	11.7%
	Subbituminous	19,376	110	23,389	111	-17.2%	18,425	114	5.2%
U.S. Total	Bituminous	23,986	98	32,336	115	-25.8%	25,562	113	-6.2%
	Subbituminous	40,034	105	52,275	113	-23.4%	38,177	111	4.9%

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

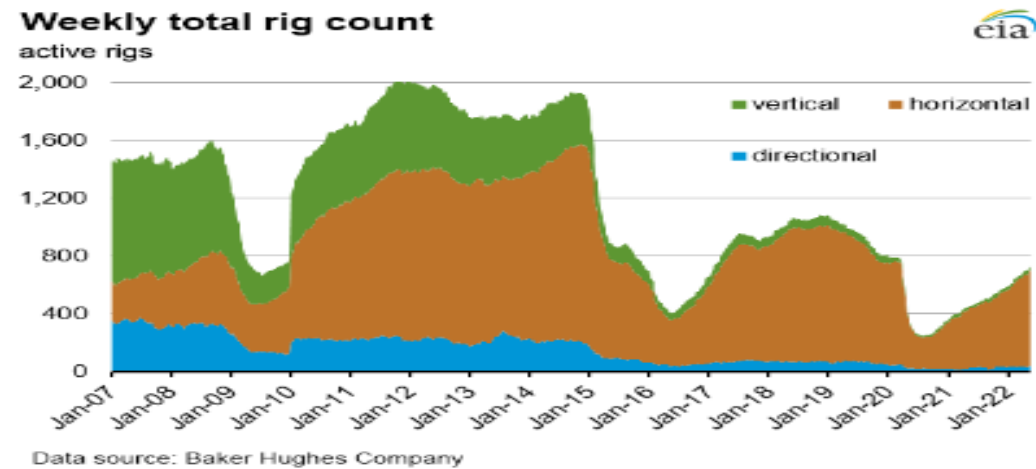
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-05-20	2022-05-13	change
East	325	296	29
Midwest	391	364	27
Mountain	109	103	6
Pacific	190	187	3
South Central	797	781	16
Total	1,812	1,732	80

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					
	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 - 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

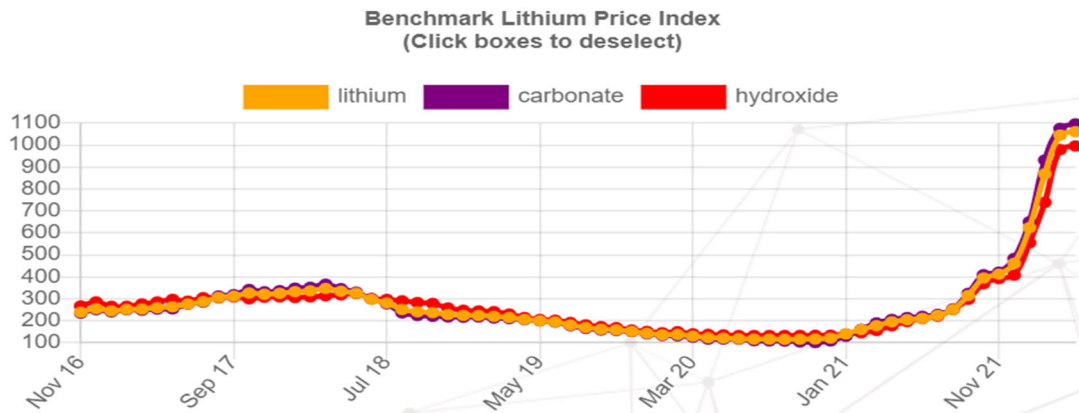
Cobalt and Lithium Prices

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/>