



NATIONAL MINING ASSOCIATION

WEEKLY STATISTICAL SUMMARY

November 11, 2022 Edition
(Data for Week Ending November 5, 2022)

Prepared by
National Mining Association

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NMA WEEKLY STATISTICAL SUMMARY

Vol. 60, No. 45 | Dated 11/11/22

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/05/22	11/06/21	% Chg	11/05/22	11/06/21	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,867	11,495	3.2%	508,927	488,651	4.1%
52 Weeks Ended	596,212	569,226	4.7%			
AAR Coal Rail Cars Loaded:	68,303	66,745	2.3%	2,923,379	2,818,399	3.7%
Coal Production	Oct 22/21		% Chg	Jan - Oct 22/21		% Chg
Month Ended - October	52,450	48,954	7.1%	500,264	480,030	4.2%

U.S. Department of Commerce Coal Trade (000 Tons)

	Sep 22/21		% Chg	Jan - Sep 22/21		% Chg
Exports:						
Metallurgical	4,270	3,741	14.1%	35,129	33,429	5.1%
Steam Bit. *	2,787	2,758	1.1%	28,439	29,874	-4.8%
Lignite	6	6	0.0%	60	57	5.3%
Anthracite	<u>27</u>	<u>14</u>	92.9%	<u>334</u>	<u>235</u>	42.1%
Total	7,090	6,519	8.8%	63,962	63,595	0.6%
Imports:	531	202	162.9%	4,928	3,739	31.8%

	Week Ended			Cumulative Week 1 to		
	11/05/22	11/06/21	% Chg	11/05/22	11/06/21	% Chg
EEl Electric Total Output (Mil. Kwh)	69,293	70,190	-1.3%	3,597,732	3,516,863	2.3%
EEl Coal Region Output (Mil. Kwh)	59,762	60,640	-1.4%	3,121,734	3,047,857	2.4%
AISI Raw Steel Output (000 Tons)	1,640	1,828	-10.3%	76,347	80,220	-4.8%

EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	11/04/22	10/28/22	% Chg	Wed.	11/02/22
Central App, 12,500 Btu, 1.2 SO ₂	\$182.10	\$182.10	0.0%	Henry Hub	4.51
Northern App, 13,000 Btu, < 3.0 SO ₂	185.80	185.80	0.0%	New York	3.19
Illinois Basin, 11,800, 5.0 SO ₂	186.50	186.50	0.0%	Chicago	3.48
Powder River Basin, 8,800 Btu 0.8 SO ₂	17.15	17.15	0.0%	Cal.Comp.Avg.	7.58
Uinta Basin, 11,700 Btu, 0.8 SO ₂	41.80	41.80	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		
	11/5/2022 (week 45)	10/29/2022 (week 44)	11/6/2021 (week 45)	11/5/2022	11/5/2021	% Change	11/5/2022	11/6/2021	% Change
Alabama	157	171	155	7,753	8,247	-6.0	8,931	9,878	-9.6
Alaska	19	20	21	814	877	-7.1	977	1,041	-6.1
Colorado	304	322	274	11,779	9,761	20.7	13,857	11,325	22.4
Illinois	628	674	616	31,513	32,091	-1.8	36,190	36,847	-1.8
Indiana	427	440	389	18,508	16,462	12.4	21,465	19,201	11.8
Kentucky total	565	589	543	24,127	22,230	8.5	28,252	25,946	8.9
Eastern (KY)	249	260	220	10,322	8,432	22.4	11,990	9,690	23.7
Western (KY)	316	329	324	13,805	13,797	0.1	16,262	16,256	s
Louisiana	6	6	6	271	255	6.2	315	306	2.9
Maryland	25	26	23	1,134	1,084	4.7	1,311	1,243	5.5
Mississippi	66	67	55	2,901	2,774	4.6	3,320	2,988	11.1
Missouri	1	1	1	44	40	8.9	48	62	-22.6
Montana	606	629	585	25,401	24,058	5.6	29,846	28,118	6.1
New Mexico	235	247	223	8,950	7,543	18.7	10,644	8,837	20.4
North Dakota	518	546	489	22,605	22,738	-0.6	26,316	26,575	-1.0
Ohio	57	59	58	2,307	2,309	-0.1	2,749	2,779	-1.1
Oklahoma	s	s	s	1	s	72.5	1	s	100.0
Pennsylvania total	725	756	786	33,529	36,348	-7.8	39,501	42,202	-6.4
Anthracite (PA)	52	55	49	2,072	1,736	19.3	2,441	2,070	17.9
Bituminous (PA)	673	701	738	31,457	34,612	-9.1	37,060	40,132	-7.7
Tennessee	.	.	.	s	.	100.0	s	.	.
Texas	373	392	380	14,846	14,315	3.7	17,732	17,187	3.2
Utah	231	238	242	9,805	10,568	-7.2	11,639	12,469	-6.7
Virginia	212	220	214	9,190	9,246	-0.6	10,818	10,827	-0.1
West Virginia total	1,616	1,697	1,569	70,579	66,505	6.1	82,490	76,880	7.3
Northern (WV)	911	955	914	39,277	37,405	5.0	46,214	43,589	6.0
Southern (WV)	704	743	655	31,302	29,100	7.6	36,277	33,291	9.0
Wyoming	5,099	5,239	4,865	212,869	201,198	5.8	249,811	234,514	6.5
Appalachian total	3,040	3,190	3,026	134,815	132,172	2.0	157,790	153,500	2.8
Interior total	1,815	1,909	1,770	81,889	79,736	2.7	95,332	92,848	2.7
Western total	7,011	7,241	6,699	292,223	276,743	5.6	343,090	322,879	6.3
East of Mississippi River	4,476	4,700	4,410	201,542	197,297	2.2	235,027	228,792	2.7
West of Mississippi River	7,391	7,640	7,085	307,385	291,355	5.5	361,185	340,434	6.1
Bituminous and lignite	11,815	12,285	11,447	506,855	486,915	4.1	593,771	567,156	4.7
Anthracite	52	55	49	2,072	1,736	19.3	2,441	2,070	17.9
U.S. total	11,867	12,340	11,495	508,927	488,651	4.1	596,212	569,226	4.7
Railroad cars loaded	68,303	70,984	66,745	2,923,379	2,818,399	3.7	3,431,171	3,292,805	4.2

Source: Energy Information Administration



Weekly Electric Output

Volume 90 No. 45

OUTPUT FOR WEEK ENDED - Nov 05, 2022

Nov 09, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Nov 05, 2022** was **69,293** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **173** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended November 05		52 Weeks Ended November 05	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	1,908	-4.5	115,783	-0.2
Mid-Atlantic	6,716	-5.6	418,112	0.0
Central Industrial	10,588	-5.9	654,197	0.6
West Central	5,723	-2.2	340,089	1.8
Southeast	17,839	-1.5	1,027,432	1.1
South Central	13,581	4.7	829,502	6.6
Rocky Mountain	5,315	-0.5	294,818	0.6
Pacific Northwest	2,852	1.4	159,817	1.0
Pacific Southwest	4,771	0.7	273,754	2.5
Total United States	69,293	-1.3	4,113,504	2.0

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Oct 15	70,244	Oct 16	73,017	-3.8	Oct 15	4,113,318	2.0
Oct 22	69,780	Oct 23	68,303	2.2	Oct 22	4,114,795	2.1
Oct 29	68,883	Oct 30	69,278	-0.6	Oct 29	4,114,400	2.1
Nov 05	69,293	Nov 06	70,190	-1.3	Nov 05	4,113,504	2.0
Nov 05	3,597,732	Nov 06	3,516,863	2.3	YEAR TO DATE, FIRST 45 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Oct 15	181	Oct 16	185	Oct 17	174
Oct 22	183	Oct 23	175	Oct 24	177
Oct 29	180	Oct 30	177	Oct 31	175
Nov 05	173	Nov 06	173	Nov 07	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		
	5-Nov 2022 GWh Output	6-Nov 2021 GWh Output	% Increase Over Corresponding Week	5-Nov 2022 GWh Output	6-Nov 2021 GWh Output	% Increase Over Corresponding Week	5-Nov 2022 GWh Output	6-Nov 2021 GWh Output	% Increase Over Corresponding Week
New England	1,908	1,999	-4.6%	100,329	100,478	-0.1%	115,783	116,025	-0.2%
Mid-Atlantic	6,716	7,115	-5.6%	364,625	364,811	-0.1%	418,112	418,238	0.0%
Central Industrial	10,588	11,250	-5.9%	569,711	566,554	0.6%	654,197	650,359	0.6%
West Central	5,723	5,853	-2.2%	296,407	291,455	1.7%	340,089	334,026	1.8%
Southeast	17,839	18,115	-1.5%	899,161	886,567	1.4%	1,027,432	1,016,245	1.1%
South Central	13,581	12,966	4.7%	734,855	683,366	7.5%	829,502	778,000	6.6%
Rocky Mountain	5,315	5,341	-0.5%	256,975	255,104	0.7%	294,818	293,049	0.6%
Pacific Northwest	2,852	2,811	1.5%	136,373	134,732	1.2%	159,817	158,163	1.0%
Pacific Southwest	4,771	4,740	0.7%	239,295	233,801	2.3%	273,754	267,130	2.5%
Total United States ^{1/}	69,293	70,190	-1.3%	3,597,731	3,516,868	2.3%	4,113,504	4,031,235	2.0%
Coal Regions Only ^{2/}	59,762	60,640	-1.4%	3,121,734	3,047,857	2.4%	3,564,150	3,489,917	2.1%

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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November 7, 2022

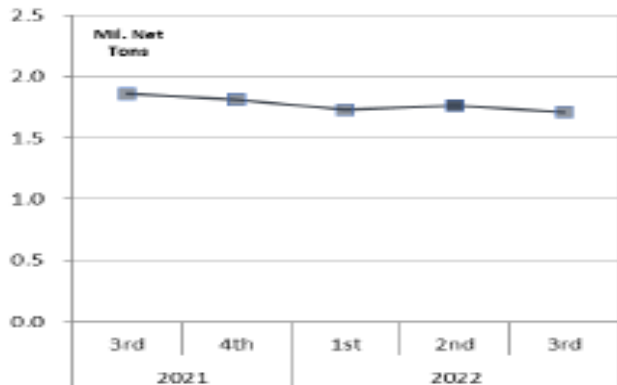
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

<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 Nov 5</u>	<u>Oct 29</u>	
<u>Week Ending</u>				North East	145	144
				Great Lakes	529	556
November 5, 2022	1,640	-1.4	73.5	Midwest	182	176
November 5, 2021	1,828	-10.3	82.8	Southern	716	721
October 29, 2022	1,663	-0.4	74.5	Western	68	66
				Total	1,640	1,663
<u>Year-to-Date +</u>						
November 5, 2022	76,347	-4.8	78.9			
November 5, 2021	80,220	-	81.2			

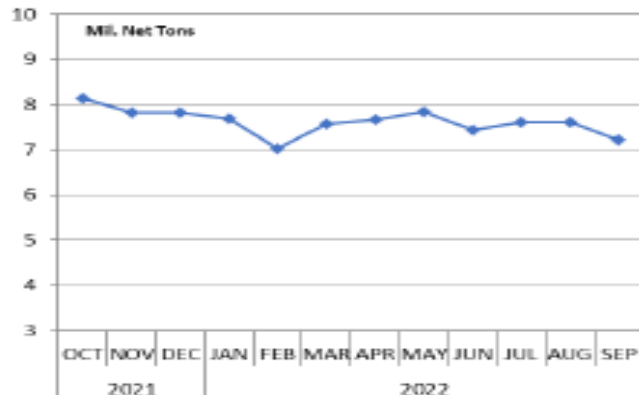
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 June 2022 was approximately 79.6%, 7.45 million net tons. Given the large number of changes to steelmaking capability and the evolving market, AISI is updating the capacity statistics.

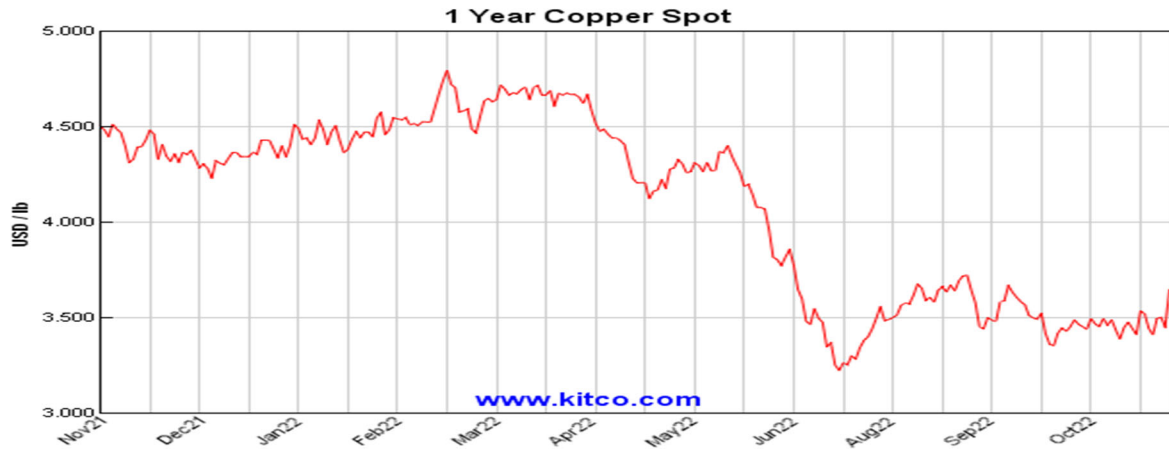
Average Weekly Raw Steel Production



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 44, 2022 – Ended November 5, 2022

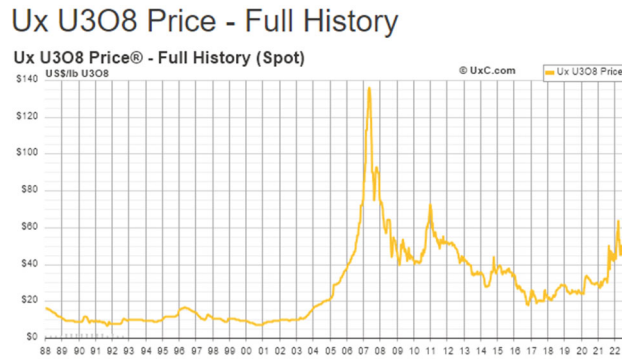
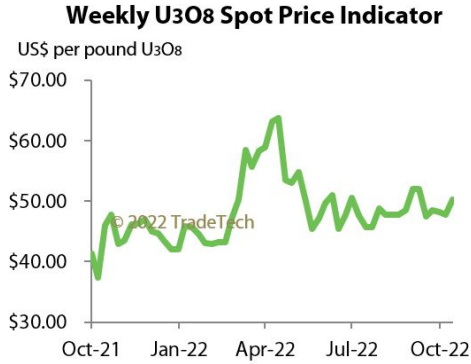
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk ²	vs 2021
Total Carloads	243,276	3.2%	10,214,652	232,151	0.2%
Chemicals	32,803	-3.2%	1,457,994	33,136	2.3%
Coal	68,303	2.1%	2,916,138	66,276	3.7%
Farm Products excl. Grain, and Food	17,111	1.4%	718,307	16,325	3.4%
Forest Products	9,325	-2.5%	427,229	9,710	-3.3%
Grain	26,322	3.7%	976,797	22,200	-4.0%
Metallic Ores and Metals	21,106	0.3%	924,582	21,013	-7.4%
Motor Vehicles and Parts	14,510	21.0%	585,472	13,306	3.0%
Nonmetallic Minerals	34,129	11.4%	1,392,537	31,649	4.3%
Petroleum and Petroleum Products	10,323	3.3%	421,550	9,581	-8.8%
Other	9,344	-2.6%	394,046	8,956	-9.6%
Total Intermodal Units	258,830	-3.6%	11,580,806	263,200	-4.7%
Total Traffic	502,106	-0.4%	21,795,458	495,351	-2.5%

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.

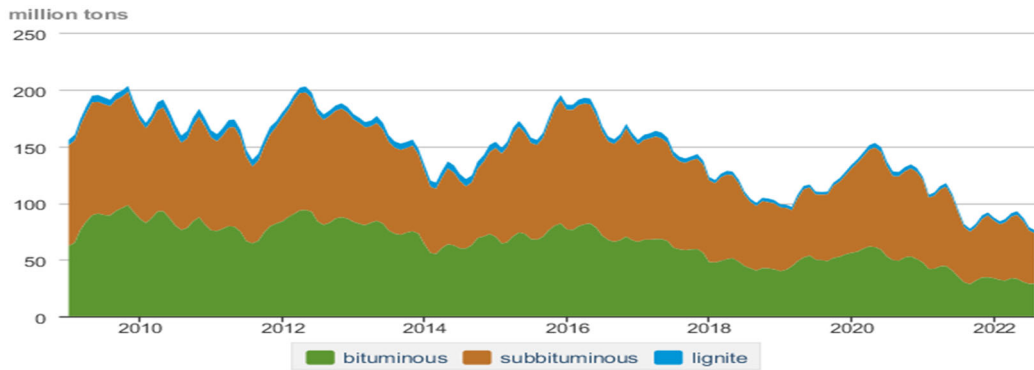
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

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>

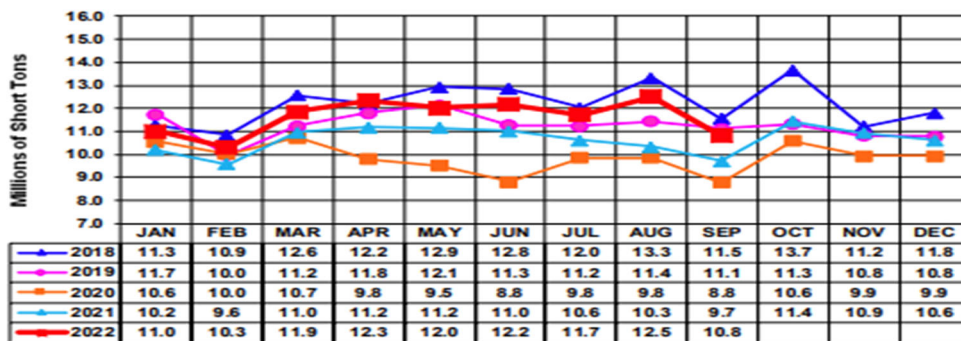
Coal stocks by type, January 2009 - August 2022



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.

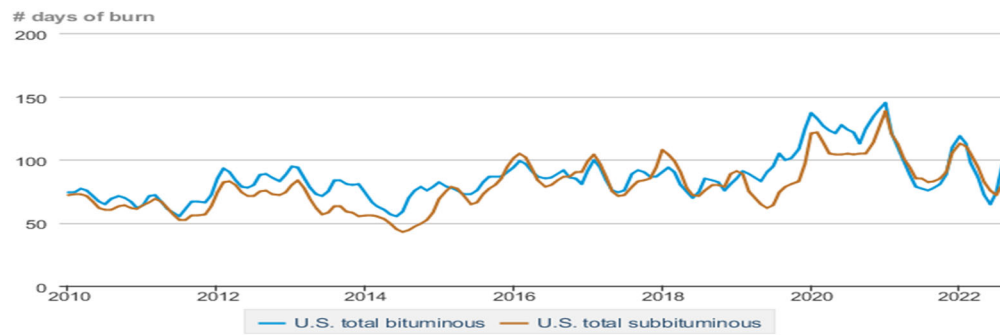
Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago
	10/07/22	10/14/22	10/21/22	10/28/22	11/04/22	change
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$204.95	\$176.65	\$176.65	\$182.10	\$182.10	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$187.55	\$180.25	\$180.25	\$185.80	\$185.80	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$196.75	\$186.50	\$186.50	\$186.50	\$186.50	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$16.25	\$17.45	\$17.45	\$17.15	\$17.15	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$42.40	\$41.95	\$41.95	\$41.80	\$41.80	\$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 - August 2022



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Oct 27)

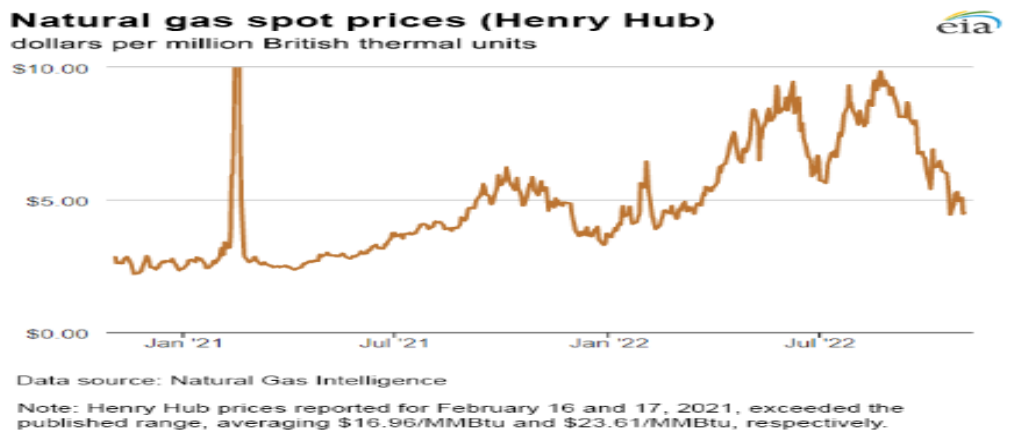
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	73	-46	-6	0	0	0
Middle Atlantic	68	-40	4	0	0	0
E N Central	71	-46	-43	1	0	1
W N Central	87	-31	-36	3	2	3
South Atlantic	59	-4	26	13	-7	-14
E S Central	54	-9	11	1	-4	-5
W S Central	24	-6	17	26	6	-29
Mountain	126	14	35	3	-3	-2
Pacific	56	9	-4	1	-2	1
United States	67	-20	-6	6	-1	-6

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 - 2nd Quarter	2021 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	434.0	418.0	4%
Cement (Mil. Mt.)	44.1	42.6	4%
Copper (000 Mt.)	621.0	595.0	4%
Gold (Mt.)	80.8	89.1	-9%
Gypsum (Mil. Mt.)	9.1	9.6	-5%
Iron Ore (Mil. Mt.)	22.6	26.0	-13%
Lead (000 Mt.)	142.0	146.0	-3%
Molybdenum (000 Mt.)	20.5	22.4	-8%
Palladium (Mt.)	5.9	7.2	-18%
Phosphate rock (Mil. Mt.)	10.0	11.0	-9%
Platinum (Mt.)	1.7	2.1	-19%
Sand & gravel, construction (Mil. Mt.)	459.0	448.0	2%
Silver (Mt.)	504.0	516.0	-2%
Soda ash (Mil. Mt.)	5.5	5.6	-2%
Stone, crushed (Mil. Mt.)	705.0	688.0	2%
Zinc (000 Mt.)	369.0	354.0	4%

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



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	August 2022		August 2021		% Change of Stocks	July 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	1,607	362	1,634	242	-1.6%	1,672	365	-3.8%
	Subbituminous								
South	Bituminous	11,197	88	11,024	73	1.6%	10,833	56	3.4%
	Subbituminous	3,310	47	3,009	38	10.0%	3,254	38	1.7%
Midwest	Bituminous	6,528	76	5,951	61	9.7%	6,748	65	-3.3%
	Subbituminous	14,452	96	18,048	102	-19.9%	15,941	93	-9.3%
West	Bituminous	3,186	165	2,156	109	47.7%	3,221	159	-1.1%
	Subbituminous	14,614	79	16,520	77	-11.5%	15,571	70	-6.1%
U.S. Total	Bituminous	22,517	96	20,766	76	8.4%	22,473	74	0.2%
	Subbituminous	32,375	81	37,576	82	-13.8%	34,766	72	-6.9%

Source: Energy Information Administration, *Electricity Monthly Update*

EIA Working Natural Gas Underground Storage

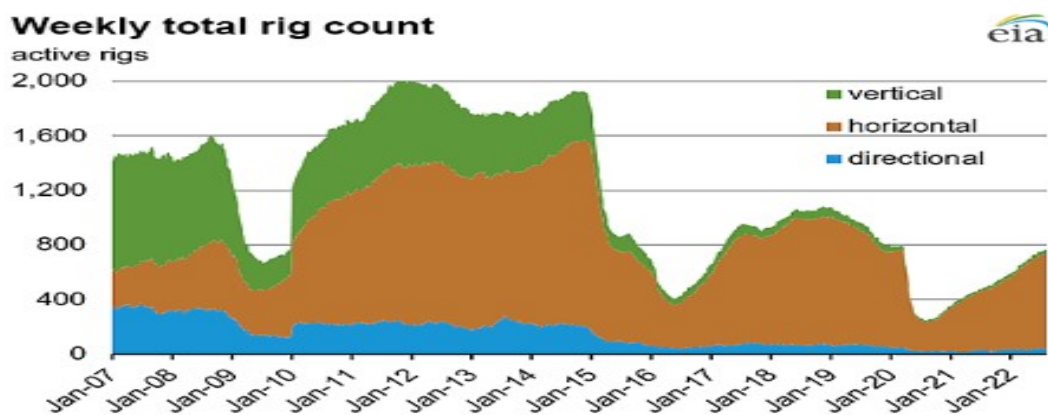
Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2022-10-28	2022-10-21	change
East	848	825	23
Midwest	1,042	1,007	35
Mountain	204	199	5
Pacific	247	248	-1
South Central	1,160	1,116	44
Total	3,501	3,394	107

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



Data source: 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			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					
	October 2022	November 2022	change	October 2022	November 2022	change			
Anadarko	692	695	3	3,771	3,786	15			
Appalachia	191	191	-	27,869	27,874	5			
Bakken	1,701	1,704	3	2,492	2,506	14			
Eagle Ford	1,587	1,571	(16)	6,258	6,133	(125)			
Haynesville	20	20	-	10,835	10,781	(54)			
Niobrara	1,398	1,391	(7)	3,599	3,545	(54)			
Permian	1,078	1,061	(17)	2,116	2,093	(23)			
Rig-weighted average	980	966	(14)	5,570	5,564	(6)			

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

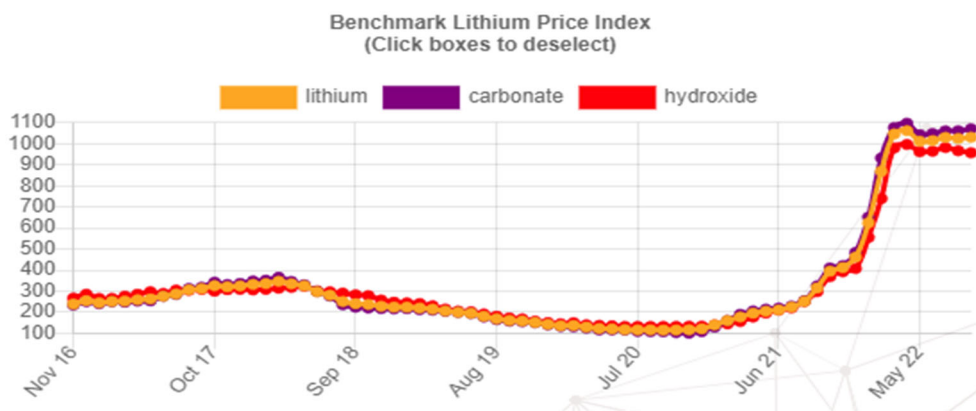
Cobalt and Lithium Prices

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/>