



NATIONAL MINING ASSOCIATION

WEEKLY STATISTICAL SUMMARY

November 17, 2023 Edition
(Data for Week Ending November 11, 2023)

Prepared by
National Mining Association

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NMA WEEKLY STATISTICAL SUMMARY

Vol. 61, No. 45 | Dated 11/17/23

PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/11/23	11/05/22	% Chg	11/11/23	11/11/22	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,797	11,685	1.0%	510,093	518,305	-1.6%
52 Weeks Ended	595,989	595,545	0.1%			
<i>Note: the year 2022 has an extra Saturday</i>						
AAR Coal Rail Cars Loaded:	69,213	68,303	1.3%	2,966,317	2,982,104	-0.5%
Coal Production	Oct 23/22		% Chg	Jan - Oct 23/22		% Chg
Month Ended - October	49,074	51,332	-4.4%	491,840	499,729	-1.6%

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

	September 23/22		% Chg	Jan - Sep 23/22		% Chg
Coal Exports:						
Metallurgical	4,366	4,270	2.2%	38,603	35,129	9.9%
Steam Bit. *	4,339	2,787	55.7%	34,391	28,439	20.9%
Lignite	5	6	-16.7%	74	60	23.3%
Anthracite	<u>39</u>	<u>27</u>	44.4%	<u>588</u>	<u>334</u>	76.0%
Total	8,749	7,090	23.4%	73,656	63,962	15.2%
Coal Imports:	314	531	-40.9%	3,029	4,928	-38.5%

	Week Ended			Cumulative Week 1 to		
	11/11/23	11/12/22	% Chg	11/11/23	11/12/22	% Chg
EEl Electric Total Output (Mil. Kwh)	71,033	70,667	0.5%	3,551,335	3,595,987	-1.2%
EEl Coal Region Output (Mil. Kwh)	61,192	60,502	1.1%	3,087,419	3,121,412	-1.1%
AISI Raw Steel Output (000 Tons)	1,683	1,594	5.6%	77,005	77,449	-0.6%

EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	11/10/23	11/03/23	% Chg	Wed.	11/08/23
Central App, 12,500 Btu, 1.2 SO ₂	\$71.25	\$71.25	0.0%	Henry Hub	2.21
Northern App, 13,000 Btu, < 3.0 SO ₂	52.05	52.05	0.0%	New York	1.60
Illinois Basin, 11,800, 5.0 SO ₂	51.00	51.00	0.0%	Chicago	2.20
Powder River Basin, 8,800 Btu 0.8 SO ₂	14.00	14.00	0.0%	Cal.Comp.Avg.	2.96
Uinta Basin, 11,700 Btu, 0.8 SO ₂	29.85	29.85	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		
	11/11/2023 (week 45)	11/4/2023 (week 44)	11/5/2022 (week 45)	11/11/2023	11/11/2022	% Change	11/11/2023	11/5/2022	% Change
Alabama	236	225	206	10,025	9,125	9.9	11,537	10,126	13.9
Alaska	23	22	24	918	862	6.5	1,091	1,004	8.7
Colorado	225	212	237	10,284	11,252	-8.6	12,029	13,126	-8.4
Illinois	758	731	716	34,027	32,907	3.4	39,289	36,968	6.3
Indiana	560	530	504	22,845	20,303	12.5	26,548	22,827	16.3
Kentucky total	592	558	571	25,703	24,769	3.8	29,902	28,404	5.3
Eastern (KY)	262	248	248	11,275	10,435	8.0	13,101	11,890	10.2
Western (KY)	330	310	323	14,428	14,334	0.7	16,801	16,514	1.7
Louisiana	6	6	7	261	265	-1.4	309	303	2.0
Maryland	29	28	30	1,189	1,261	-5.8	1,411	1,411	s
Mississippi	53	50	61	2,318	2,971	-22.0	2,769	3,338	-17.0
Missouri	2	2	2	109	61	77.5	123	64	92.2
Montana	531	496	521	24,506	24,849	-1.4	28,338	28,847	-1.8
New Mexico	168	152	184	7,785	9,357	-16.8	9,136	10,893	-16.1
North Dakota	504	478	489	21,754	23,560	-7.7	25,345	26,850	-5.6
Ohio	36	35	46	1,651	2,195	-24.8	1,988	2,598	-23.5
Oklahoma	s	s	s	2	2	10.5	2	2	s
Pennsylvania total	833	794	825	36,144	34,525	4.7	42,211	39,787	6.1
Anthracite (PA)	57	56	54	2,366	2,138	10.7	2,761	2,460	12.2
Bituminous (PA)	776	739	772	33,778	32,387	4.3	39,450	37,327	5.7
Tennessee	.	.	.	1	s	4.8	1	s	100.0
Texas	305	294	357	12,542	14,765	-15.1	15,167	17,344	-12.6
Utah	147	137	173	6,580	9,600	-31.5	7,851	11,286	-30.4
Virginia	246	232	231	10,196	9,575	6.5	11,891	11,005	8.1
West Virginia total	1,738	1,669	1,645	76,595	72,899	5.1	88,689	83,395	6.3
Northern (WV)	940	887	926	41,270	40,973	0.7	48,075	47,114	2.0
Southern (WV)	797	782	719	35,325	31,925	10.6	40,613	36,281	11.9
Wyoming	4,804	4,478	4,857	204,660	213,202	-4.0	240,364	245,969	-2.3
Appalachian total	3,380	3,232	3,231	147,075	140,015	5.0	170,828	160,212	6.6
Interior total	2,014	1,923	1,969	86,532	85,608	1.1	101,008	97,358	3.7
Western total	6,403	5,975	6,485	276,486	292,682	-5.5	324,153	337,974	-4.1
East of Mississippi River	5,080	4,852	4,835	220,694	210,530	4.8	256,235	239,859	6.8
West of Mississippi River	6,717	6,278	6,850	289,399	307,775	-6.0	339,754	355,686	-4.5
Bituminous and lignite	11,740	11,075	11,632	507,727	516,168	-1.6	593,228	593,085	s
Anthracite	57	56	54	2,366	2,138	10.7	2,761	2,460	12.2
U.S. total	11,797	11,130	11,685	510,093	518,305	-1.6	595,989	595,545	0.1
Railroad cars loaded	69,213	65,298	68,303	2,966,317	2,982,104	-0.5	3,468,387	3,431,175	1.1

Source: Energy Information Administration



Weekly Electric Output

Volume 91 No. 45

OUTPUT FOR WEEK ENDED - Nov 11, 2023

Nov 15, 2023

The net available amount of electric energy distributed by the Total Electric Utility Industry* for the week ended Saturday, **Nov 11, 2023** was **71,033** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **183** on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended November 11		52 Weeks Ended November 11	
	GWh Output	% Increase Over Corresponding Week of 2022	GWh Output	% Increase Over Corresponding Period of 2022
New England	2,040	4.6	111,396	-3.7
Mid-Atlantic	6,974	2.2	404,864	-3.1
Central Industrial	11,142	2.1	640,128	-2.1
West Central	5,888	-0.9	340,031	0.0
Southeast	17,266	-0.2	1,012,427	-1.5
South Central	14,563	1.6	866,040	4.2
Rocky Mountain	5,359	3.2	294,678	-0.1
Pacific Northwest	2,993	-11.9	160,964	0.5
Pacific Southwest	4,808	-0.2	267,721	-2.2
Total United States	71,033	0.5	4,098,249	-0.4

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

Week Ended	2023	Week Ended	2022	% Inc. (23/22)	52 Weeks Ended	2023	% Inc. (23/22)
Oct 21	69,105	Oct 22	69,780	-1.0	Oct 21	4,091,935	-0.6
Oct 28	71,340	Oct 29	68,883	3.6	Oct 28	4,094,392	-0.5
Nov 04	72,785	Nov 05	69,293	5.0	Nov 04	4,097,883	-0.4
Nov 11	71,033	Nov 12	70,667	0.5	Nov 11	4,098,249	-0.4
Nov 11	3,551,335	Nov 12	3,595,987	-1.2	YEAR TO DATE, FIRST 45 WEEKS		

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

SEASONALLY ADJUSTED 1982 = 100

Week Ended	2023	Week Ended	2022	Week Ended	2021
Oct 21	174	Oct 22	183	Oct 23	175
Oct 28	184	Oct 29	180	Oct 30	177
Nov 04	186	Nov 05	173	Nov 06	173
Nov 11	183	Nov 12	171	Nov 13	166

* Excludes Alaska and Hawaii.

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

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EEI WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION (48 CONTIGUOUS STATES)

	Week Ended			NMA CUMULATIVE JANUARY WEEK ONE TO			52 Weeks Ended		
	11-Nov	12-Nov	% Increase Over Corresponding Week	11-Nov	12-Nov	% Increase Over Corresponding Week	11-Nov	12-Nov	% Increase Over Corresponding Week
	2023 GWh Output	2022 GWh Output		2023 GWh Output	2022 GWh Output		2023 GWh Output	2022 GWh Output	
New England	2,040	1,951	4.6%	95,654	100,037	-4.4%	111,396	115,732	-3.7%
Mid-Atlantic	6,974	6,825	2.2%	349,396	363,996	-4.0%	404,864	417,895	-3.1%
Central Industrial	11,142	10,908	2.1%	551,710	569,206	-3.1%	640,128	653,804	-2.1%
West Central	5,888	5,944	-0.9%	293,758	295,564	-0.6%	340,031	340,139	0.0%
Southeast	17,266	17,306	-0.2%	876,399	900,524	-2.7%	1,012,427	1,027,457	-1.5%
South Central	14,563	14,327	1.6%	761,179	735,678	3.5%	866,040	830,879	4.2%
Rocky Mountain	5,359	5,192	3.2%	254,978	256,444	-0.6%	294,678	294,857	-0.1%
Pacific Northwest	2,993	3,396	-11.9%	134,972	135,367	-0.3%	160,964	160,176	0.5%
Pacific Southwest	4,808	4,818	-0.2%	233,290	239,170	-2.5%	267,721	273,722	-2.2%
Total United States ^{1/}	<u>71,033</u>	<u>70,667</u>	0.5%	<u>3,551,335</u>	<u>3,595,986</u>	-1.2%	<u>4,098,249</u>	<u>4,114,661</u>	-0.4%
Coal Regions Only ^{2/}	61,192	60,502	1.1%	3,087,419	3,121,412	-1.1%	3,558,168	3,565,031	-0.2%

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. **Note: the year 2022 has an extra Saturday.**

^{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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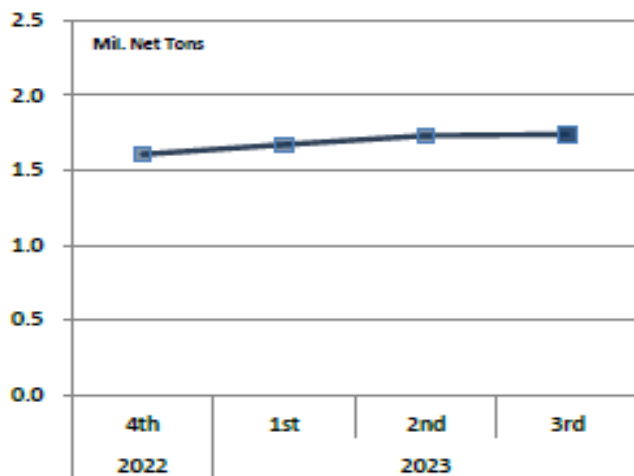
November 13, 2023

ESTIMATED WEEKLY RAW STEEL * PRODUCTION

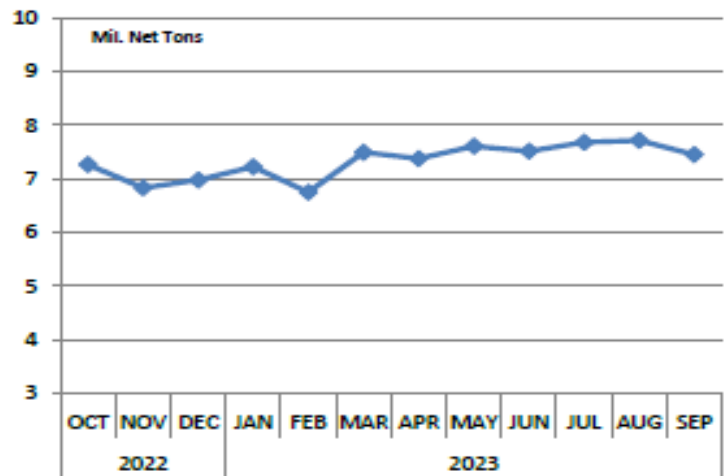
<u>Period</u>	<u>Thousand Net Tons</u>	<u>Percent Change from Previous Period</u>	<u>Percent Capability Utilization**</u>	<u>Production by District</u>		
				<u>Week Ending</u>		
<u>Week Ending</u>				<u>Nov 11</u>	<u>Nov 4</u>	
Nov 11, 2023	1,683	-0.9	73.2	North East	131	132
Nov 11, 2022	1,594	5.6	71.5	Great Lakes	552	555
Nov 4, 2023	1,699	-0.5	73.9	Midwest	176	179
				Southern	755	762
				Western	69	71
				Total	1,683	1,699
<u>Year-to-Date +</u>						
Nov 11, 2023	77,005	-0.6	75.8			
Nov 11, 2022	77,449	-	78.1			

*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.

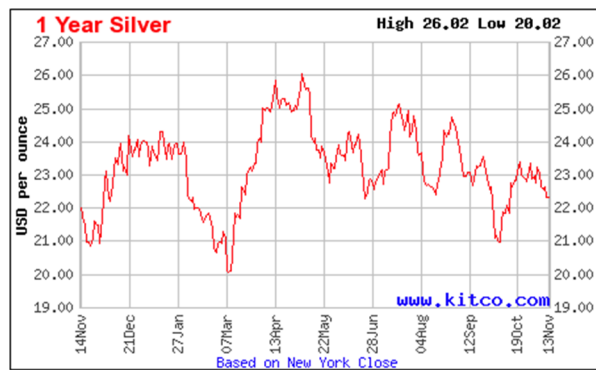
Average Weekly Raw Steel Production



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 45, 2023 – Ended November 11, 2023

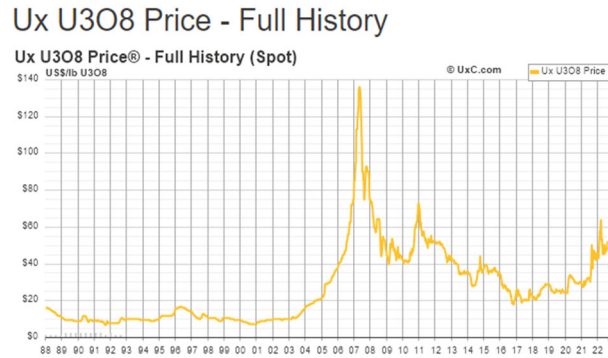
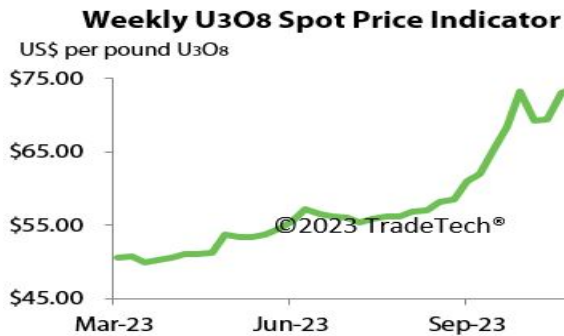
	This Week		Year-To-Date		
	Cars	vs 2022	Cumulative	Avg/wk ²	vs 2022
Total Carloads	233,745	2.3%	10,154,581	225,657	0.1%
Chemicals	30,673	-0.3%	1,399,438	31,099	-2.1%
Coal	69,213	2.7%	2,966,301	65,918	-0.6%
Farm Products excl. Grain, and Food	16,801	-0.7%	729,996	16,222	1.1%
Forest Products	8,151	0.4%	364,561	8,101	-6.5%
Grain	22,860	2.0%	834,309	18,540	-11.6%
Metallic Ores and Metals	19,705	8.4%	931,808	20,707	4.7%
Motor Vehicles and Parts	16,542	11.5%	673,966	14,977	12.5%
Nonmetallic Minerals	31,294	-3.6%	1,440,881	32,020	2.7%
Petroleum and Petroleum Products	10,105	11.3%	428,534	9,523	10.7%
Other	8,401	0.2%	384,787	8,551	-1.8%
Total Intermodal Units	263,603	4.4%	10,929,010	242,867	-6.8%
Total Traffic	497,348	3.4%	21,083,591	468,524	-3.6%

¹ Excludes U.S. operations of CPKC, 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>

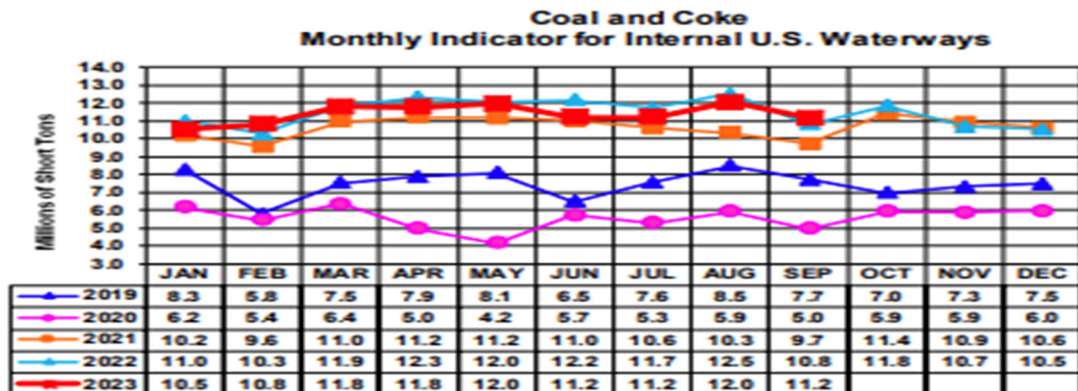
Coal stocks and average number of days of burn for non-lignite coal by region (electric power sector)

Zone	Coal	August 2023		August 2022		% Change of Stocks	July 2023		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	2,260	316	1,555	365	45.4%	2,715	362	-16.8%
	Subbituminous	-	-	-	-	-	-	-	-
South	Bituminous	18,921	145	11,197	88	69.0%	18,497	140	2.3%
	Subbituminous	5,474	99	3,310	47	65.4%	5,793	90	-5.5%
Midwest	Bituminous	12,761	137	6,819	80	87.1%	12,731	129	0.2%
	Subbituminous	29,140	155	15,830	104	84.1%	30,679	151	-5.0%
West	Bituminous	2,807	148	3,186	165	-11.9%	3,043	148	-7.7%
	Subbituminous	28,359	155	15,294	84	85.4%	29,493	148	-3.8%
U.S. Total	Bituminous	36,749	147	22,756	97	61.5%	36,986	144	-0.6%
	Subbituminous	62,973	148	34,433	87	82.9%	65,965	143	-4.5%

Source: U.S. Energy Information Administration

NOTE: Stockpile levels shown above reflect a sample of electric power sector plants, which were used to create the days of burn statistics. These levels will not equal total electric power sector stockpile levels.

Source: Energy Information Administration, Electric Monthly Update



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

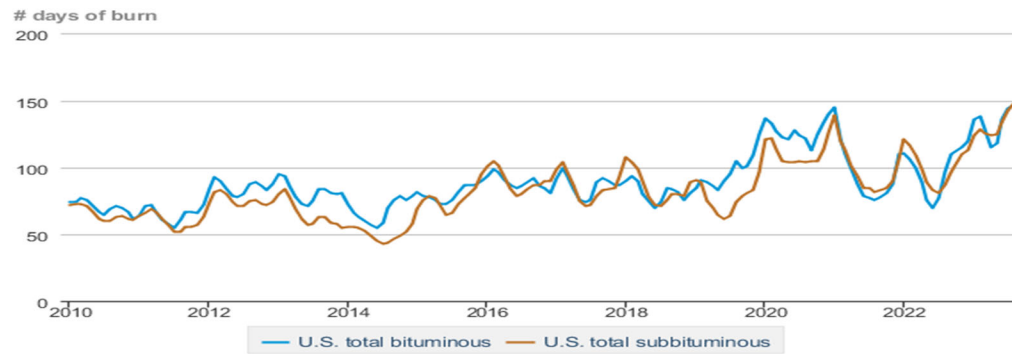
Average weekly coal commodity spot prices
dollars per short ton

	Week ending					Week ago change
	10/13/23	10/20/23	10/27/23	11/03/23	11/10/23	
Central Appalachia 12,500 Btu, 1.2 SO ₂	\$76.65	\$71.25	\$71.25	\$71.25	\$71.25	\$0.00
Northern Appalachia 13,000 Btu, < 3.0 SO ₂	\$56.35	\$50.50	\$50.50	\$52.05	\$52.05	\$0.00
Illinois Basin 11,800 Btu, 5.0 SO ₂	\$47.75	\$48.50	\$48.50	\$51.00	\$51.00	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO ₂	\$14.10	\$14.00	\$14.00	\$14.00	\$14.00	\$0.00
Uinta Basin 11,700 Btu, 0.8 SO ₂	\$31.75	\$29.85	\$29.85	\$29.85	\$29.85	\$0.00

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 - August 2023



eia Data source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Nov 02)

Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	110	-20	15	1	1	1
Middle Atlantic	103	-17	11	1	1	1
E N Central	151	18	48	1	0	1
W N Central	209	70	112	0	-1	0
South Atlantic	59	-14	6	24	7	1
E S Central	81	6	32	11	8	11
W S Central	81	42	42	17	1	6
Mountain	165	37	32	3	-2	2
Pacific	55	-1	-6	0	-2	0
United States	113	13	31	7	1	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*.

U.S. Production of Selected Mineral Commodities	2023 Year to Date - 2nd Quarter	2022 Year to Date - 2nd Quarter	Percent Change
Aluminum, secondary (000 Mt.)	453.0	434.0	4%
Cement (Mil. Mt.)	42.5	43.6	-3%
Copper (000 Mt.)	544.0	621.0	-12%
Gold (Mt.)	79.1	83.6	-5%
Gypsum (Mil. Mt.)	9.5	9.0	6%
Iron Ore (Mil. Mt.)	20.7	18.7	11%
Lead (000 Mt.)	140.0	141.0	-1%
Molybdenum (000 Mt.)	16.5	16.5	0%
Palladium (Mt.)	4.8	5.5	-13%
Phosphate rock (Mil. Mt.)	9.9	9.8	1%
Platinum (Mt.)	1.5	1.6	-6%
Sand & gravel, construction (Mil. Mt.)	411.0	437.0	-6%
Silver (Mt.)	538.0	514.0	5%
Soda ash (Mil. Mt.)	5.4	5.5	-2%
Stone, crushed (Mil. Mt.)	712.0	708.0	1%
Zinc (000 Mt.)	366.0	375.0	-2%

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

Working gas in underground storage

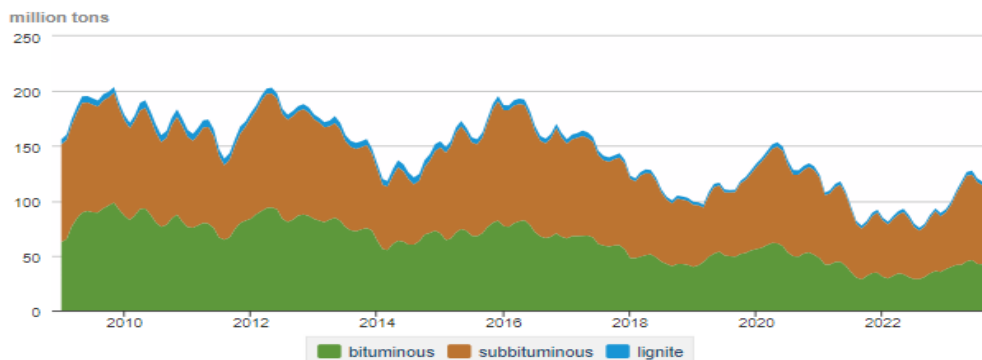
Region	Stocks billion cubic feet (Bcf)		
	2023-10-27	2023-10-20	change
East	925	908	17
Midwest	1,100	1,075	25
Mountain	255	252	3
Pacific	285	283	2
South Central	1,214	1,182	32
Total	3,779	3,700	79

Data source: U.S. Energy Information Administration Form EIA-912, *Weekly Underground Natural Gas Storage Report*
 Note: Totals may not equal sum of components because of independent rounding.

Source: Energy Information Administration, *Natural Gas Weekly*.

Coal stocks by type, January 2009 - August 2023

[DOWNLOAD](#)



eia Data source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

Mining-Related Commodity Prices

Commodity Price - Snapshot		
Metals Prices	Date	Price
Cobalt Spot Price (\$/lb)	11/15/23	\$15.15
Copper Spot Price (\$/lb)	11/15/23	\$3.72
Gold Spot Price (\$/ounce)	11/15/23	\$1,960.47
Lead Spot Price (\$/lb)	11/15/23	\$1.00
Lithium Spot Price (\$/kg)	11/15/23	\$20.50
Molybdenum Spot Price (\$/kg)	11/15/23	\$55.63
Nickel Spot Price (\$/lb)	11/15/23	\$7.82
Silver Spot Price (\$/ounce)	11/15/23	\$23.41
Steel HRC Price (\$/mt)	11/15/23	\$1,022.70
Steel Rebar Price (\$/mt)	11/15/23	\$541.32
Zinc Spot Price (\$/lb)	11/15/23	\$1.20
Energy Prices	Date	Price
Coal Price - Australian Premium Coking Coal Futures (\$/mt)	11/14/23	\$306.50
Coal Spot Price - Central Appalachian (\$/st)	11/10/23	\$71.25
Coal Spot Price - Newcastle futures (\$/mt)	11/14/23	\$122.22
Coal Spot Price - Rotterdam futures (\$/mt)	11/13/23	\$124.70
Natural Gas Spot Price - Henry Hub (\$/mmbtu)	11/8/23	\$2.21
Uranium Spot Price (\$/lb)	11/6/23	\$73.65

Sources: publicly available data from eia.gov, dailymetalprice.com, tradingeconomics.com, sgxgroup.com, investing.com

EIA Working Natural Gas Underground Storage

Working gas in underground storage

Region	Stocks billion cubic feet (Bcf)		
	2023-10-27	2023-10-20	change
East	925	908	17
Midwest	1,100	1,075	25
Mountain	255	252	3
Pacific	285	283	2
South Central	1,214	1,182	32
Total	3,779	3,700	79

Data source: U.S. Energy Information Administration Form EIA-912, *Weekly Underground Natural Gas Storage Report*

Note: Totals may not equal sum of components because of independent rounding.

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					
	November 2023	December 2023	change	November 2023	December 2023	change			
Anadarko	689	698	9	4,539	4,652	113			
Appalachia	191	191	-	25,014	25,019	5			
Bakken	1,784	1,811	27	2,654	2,694	40			
Eagle Ford	1,529	1,590	61	6,148	6,240	92			
Haynesville	18	18	-	12,772	13,001	229			
Niobrara	1,460	1,469	9	4,158	4,199	41			
Permian	1,289	1,319	30	2,512	2,552	40			
Rig-weighted average	1,123	1,153	30	5,571	5,612	41			

Source: Energy Information Administration, *Drilling Productivity Report*

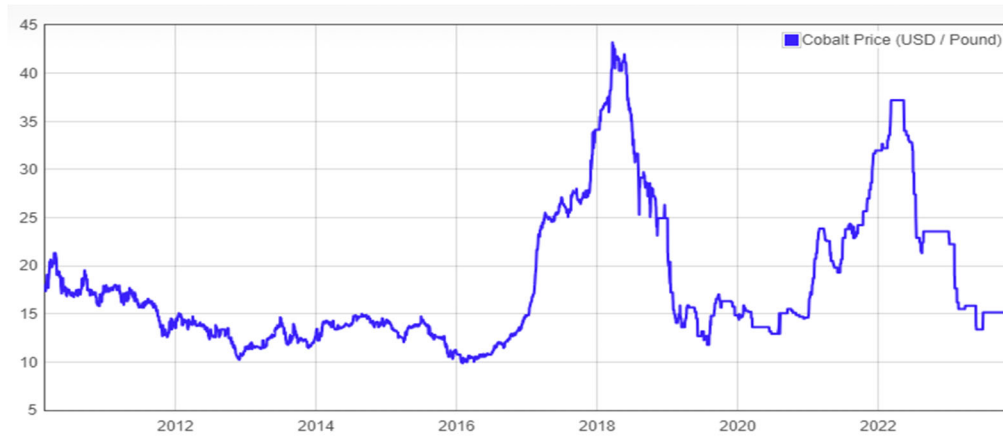
USGS Cobalt – U.S. Trade, Reported Stocks and Listed Prices

Cobalt - August 2023	Aug-23	Year to Date
U.S. Imports for Consumption - Metals (mt)	426	4,960
U.S. Exports of Cobalt Materials - Cobalt Content (mt)	299	3,410
Reported LME Stocks of Cobalt Metal (mt)	93	-
Listed Prices by Type (\$/lb): US Spot & LME Cash Avg.	17.41	14.85

Source: USGS, Mineral Industry Survey, Cobalt in August, October 2023

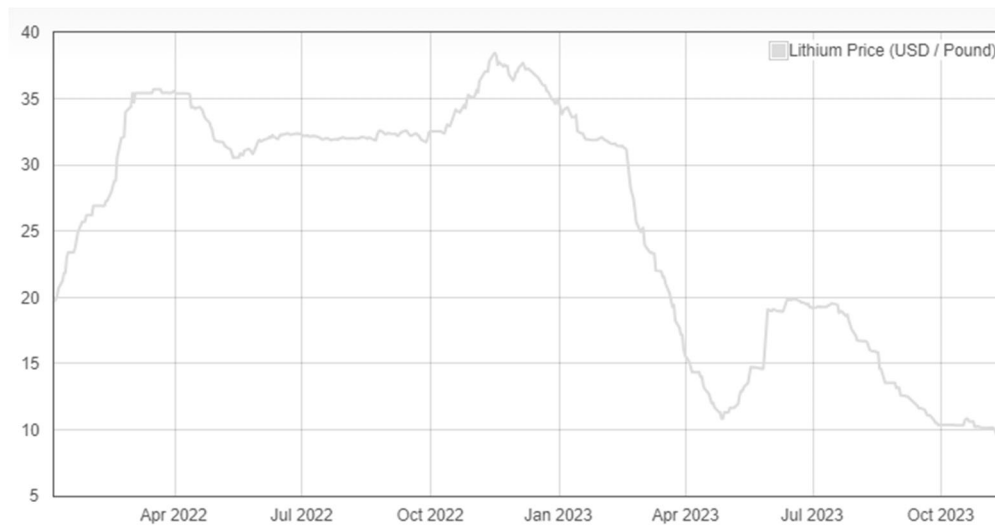
Cobalt and Lithium Prices

Cobalt Prices (US\$/pound):



Source: Dailymetalprice.com - <https://www.dailymetalprice.com/metalpricecharts.php?c=co&u=lb&d=0>

Lithium Prices (US\$/pound):



Source: Dailymetalprice.com - <https://www.dailymetalprice.com/metalpricecharts.php>