



# **NATIONAL MINING ASSOCIATION**

## **WEEKLY STATISTICAL SUMMARY**

**November 25, 2022 Edition**  
(Data for Week Ending November 19, 2022)

Prepared by  
**National Mining Association**

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# NMA WEEKLY STATISTICAL SUMMARY

Vol. 60, No. 47 | Dated 11/25/22

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	11/19/22	11/20/21	% Chg	11/19/22	11/19/21	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,543	11,146	3.6%	532,191	511,421	4.1%
52 Weeks Ended	596,752	570,880	4.5%			
AAR Coal Rail Cars Loaded:	66,485	64,719	2.7%	3,057,357	2,950,606	3.6%
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		
	11/19/22	11/20/21	% Chg	11/19/22	11/20/21	% Chg
EI Electric Total Output (Mil. Kwh)	76,644	71,643	7.0%	3,745,043	3,658,015	2.4%
EI Coal Region Output (Mil. Kwh)	66,287	61,751	7.3%	3,248,523	3,169,228	2.5%
AISI Raw Steel Output (000 Tons)	1,628	1,828	-10.9%	79,620	83,877	-5.1%

## EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	11/18/22	11/11/22	% Chg	Wed.	11/16/22
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$187.70	\$182.10	3.1%	Henry Hub	5.74
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	191.50	185.80	3.1%	New York	7.37
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	186.50	186.50	0.0%	Chicago	5.70
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	17.10	17.15	-0.3%	Cal.Comp.Avg.	7.94
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	41.65	41.80	-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

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

Coal-Producing Region & State (thousand short tons)	Week Ended			Year to Date			52 Weeks Ended		
	11/19/2022 (week 47)	11/12/2022 (week 46)	11/20/2021 (week 47)	11/19/2022	11/19/2021	% Change	11/19/2022	11/20/2021	% Change
Alabama	160	151	150	8,064	8,554	-5.7	8,935	9,755	-8.4
Alaska	19	19	21	852	919	-7.3	973	1,040	-6.4
Colorado	301	286	265	12,366	10,303	20.0	13,903	11,459	21.3
Illinois	631	614	597	32,758	33,311	-1.7	36,217	36,818	-1.6
Indiana	412	428	378	19,348	17,234	12.3	21,536	19,255	11.8
<b>Kentucky total</b>	<b>551</b>	<b>566</b>	<b>527</b>	<b>25,243</b>	<b>23,306</b>	<b>8.3</b>	<b>28,295</b>	<b>26,049</b>	<b>8.6</b>
Eastern (KY)	243	249	213	10,813	8,868	21.9	12,048	9,797	23.0
Western (KY)	307	317	314	14,430	14,438	-0.1	16,247	16,252	s
Louisiana	6	6	6	283	267	6.1	316	304	3.9
Maryland	24	25	23	1,183	1,130	4.7	1,314	1,247	5.4
Mississippi	62	65	54	3,027	2,883	5.0	3,338	3,042	9.7
Missouri	s	1	1	45	41	9.0	48	57	-15.8
Montana	589	588	568	26,578	25,218	5.4	29,866	28,214	5.9
New Mexico	231	240	216	9,421	7,985	18.0	10,674	8,941	19.4
North Dakota	511	502	474	23,619	23,706	-0.4	26,363	26,536	-0.7
Ohio	55	56	56	2,418	2,425	-0.3	2,745	2,771	-0.9
Oklahoma	s	s	s	1	s	73.9	1	s	100.0
<b>Pennsylvania total</b>	<b>707</b>	<b>726</b>	<b>763</b>	<b>34,963</b>	<b>37,906</b>	<b>-7.8</b>	<b>39,380</b>	<b>42,224</b>	<b>-6.7</b>
Anthracite (PA)	51	52	47	2,176	1,832	18.7	2,448	2,079	17.7
Bituminous (PA)	656	674	715	32,787	36,074	-9.1	36,931	40,145	-8.0
Tennessee	.	.	.	s	.	100.0	s	.	.
Texas	367	354	368	15,567	15,068	3.3	17,701	17,186	3.0
Utah	222	231	234	10,258	11,047	-7.1	11,614	12,448	-6.7
Virginia	206	207	208	9,603	9,671	-0.7	10,807	10,837	-0.3
<b>West Virginia total</b>	<b>1,588</b>	<b>1,606</b>	<b>1,521</b>	<b>73,774</b>	<b>69,612</b>	<b>6.0</b>	<b>82,583</b>	<b>77,271</b>	<b>6.9</b>
Northern (WV)	893	911	886	41,081	39,215	4.8	46,212	43,779	5.6
Southern (WV)	695	695	635	32,692	30,398	7.5	36,371	33,492	8.6
Wyoming	4,900	5,051	4,717	222,820	210,834	5.7	250,145	235,423	6.3
<b>Appalachian total</b>	<b>2,984</b>	<b>3,020</b>	<b>2,934</b>	<b>140,818</b>	<b>138,165</b>	<b>1.9</b>	<b>157,812</b>	<b>153,903</b>	<b>2.5</b>
<b>Interior total</b>	<b>1,786</b>	<b>1,784</b>	<b>1,717</b>	<b>85,459</b>	<b>83,243</b>	<b>2.7</b>	<b>95,402</b>	<b>92,916</b>	<b>2.7</b>
<b>Western total</b>	<b>6,773</b>	<b>6,917</b>	<b>6,496</b>	<b>305,914</b>	<b>290,012</b>	<b>5.5</b>	<b>343,538</b>	<b>324,061</b>	<b>6.0</b>
<b>East of Mississippi River</b>	<b>4,396</b>	<b>4,444</b>	<b>4,276</b>	<b>210,381</b>	<b>206,032</b>	<b>2.1</b>	<b>235,149</b>	<b>229,271</b>	<b>2.6</b>
<b>West of Mississippi River</b>	<b>7,147</b>	<b>7,278</b>	<b>6,870</b>	<b>321,809</b>	<b>305,389</b>	<b>5.4</b>	<b>361,603</b>	<b>341,610</b>	<b>5.9</b>
Bituminous and lignite	11,492	11,669	11,099	530,015	509,588	4.0	594,304	568,801	4.5
Anthracite	51	52	47	2,176	1,832	18.7	2,448	2,079	17.7
<b>U.S. total</b>	<b>11,543</b>	<b>11,721</b>	<b>11,146</b>	<b>532,191</b>	<b>511,421</b>	<b>4.1</b>	<b>596,752</b>	<b>570,880</b>	<b>4.5</b>
Railroad cars loaded	66,485	67,493	64,719	3,057,357	2,950,606	3.6	3,433,205	3,301,303	4.0

Source: Energy Information Administration



## Weekly Electric Output

Volume 90 No. 47

### OUTPUT FOR WEEK ENDED - Nov 19, 2022

Nov 23, 2022

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Nov 19, 2022** was **76,644** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **188** on the weekly electric output index.

### WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION

(48 CONTIGUOUS STATES)

	Week Ended November 19		52 Weeks Ended November 19	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	2,124	2.2	115,777	-0.2
Mid-Atlantic	7,523	0.9	417,965	-0.1
Central Industrial	12,653	5.0	654,408	0.5
West Central	6,730	9.5	340,721	1.9
Southeast	19,007	7.5	1,028,777	1.2
South Central	15,193	13.0	832,621	6.9
Rocky Mountain	5,181	4.4	295,075	0.7
Pacific Northwest	3,408	13.3	160,576	1.7
Pacific Southwest	4,825	0.4	273,742	2.3
Total United States	76,644	7.0	4,119,662	2.1

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

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
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 12	70,667	Nov 13	69,510	1.7	Nov 12	4,114,661	2.1
Nov 19	76,644	Nov 20	71,643	7.0	Nov 19	4,119,662	2.1
<b>Nov 19</b>	<b>3,745,043</b>	<b>Nov 20</b>	<b>3,658,015</b>	<b>2.4</b>	<b>YEAR TO DATE, FIRST 47 WEEKS</b>		

### WEEKLY ELECTRIC OUTPUT INDEX--TOTAL U.S.\* SEASONALLY ADJUSTED 1982 = 100

Week Ended	2022	Week Ended	2021	Week Ended	2020
Oct 29	180	Oct 30	177	Oct 31	175
Nov 05	173	Nov 06	173	Nov 07	178
Nov 12	171	Nov 13	166	Nov 14	174
Nov 19	188	Nov 20	174	Nov 21	177

\* 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		
	19-Nov 2022 GWh Output	20-Nov 2021 GWh Output	% Increase Over Corresponding Week	19-Nov 2022 GWh Output	20-Nov 2021 GWh Output	% Increase Over Corresponding Week	19-Nov 2022 GWh Output	20-Nov 2021 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	2,124	2,079	2.2%	<b>104,404</b>	<b>104,559</b>	<b>-0.1%</b>	115,777	115,962	-0.2%
<b>Mid-Atlantic</b>	7,523	7,454	0.9%	<b>378,973</b>	<b>379,307</b>	<b>-0.1%</b>	417,965	418,517	-0.1%
<b>Central Industrial</b>	12,653	12,049	5.0%	<b>593,272</b>	<b>589,904</b>	<b>0.6%</b>	654,408	651,245	0.5%
<b>West Central</b>	6,730	6,147	9.5%	<b>309,081</b>	<b>303,496</b>	<b>1.8%</b>	340,721	334,373	1.9%
<b>Southeast</b>	19,007	17,687	7.5%	<b>935,474</b>	<b>921,534</b>	<b>1.5%</b>	1,028,777	1,016,735	1.2%
<b>South Central</b>	15,193	13,451	13.0%	<b>764,375</b>	<b>709,768</b>	<b>7.7%</b>	832,621	778,515	6.9%
<b>Rocky Mountain</b>	5,181	4,963	4.4%	<b>267,348</b>	<b>265,219</b>	<b>0.8%</b>	295,075	293,075	0.7%
<b>Pacific Northwest</b>	3,408	3,008	13.3%	<b>143,177</b>	<b>140,777</b>	<b>1.7%</b>	160,576	157,939	1.7%
<b>Pacific Southwest</b>	4,825	4,805	0.4%	<b>248,938</b>	<b>243,457</b>	<b>2.3%</b>	273,742	267,467	2.3%
<b>Total United States <sup>1/</sup></b>	<b>76,644</b>	<b>71,643</b>	<b>7.0%</b>	<b>3,745,042</b>	<b>3,658,021</b>	<b>2.4%</b>	4,119,662	4,033,828	2.1%
<b>Coal Regions Only <sup>2/</sup></b>	66,287	61,751	7.3%	<b>3,248,523</b>	<b>3,169,228</b>	<b>2.5%</b>	3,569,567	3,492,460	2.2%

**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.**

<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  
 25 Massachusetts Avenue, NW, Suite 800  
 Washington, D.C. 20001

November 21, 2022

**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

Period	Thousand Net Tons	Percent Change from Previous Period	Percent Capability Utilization**	Production by District		
				Week Ending Nov 19	Week Ending Nov 12	
<b><u>Week Ending</u></b>				North East	141	143
				Great Lakes	524	536
November 19, 2022	1,628	-1.0	73.0	Midwest	188	187
November 19, 2021	1,828	-10.9	82.8	Southern	702	709
November 12, 2022	1,645	0.3	73.7	Western	73	70
				<b>Total</b>	<b>1,628</b>	<b>1,645</b>

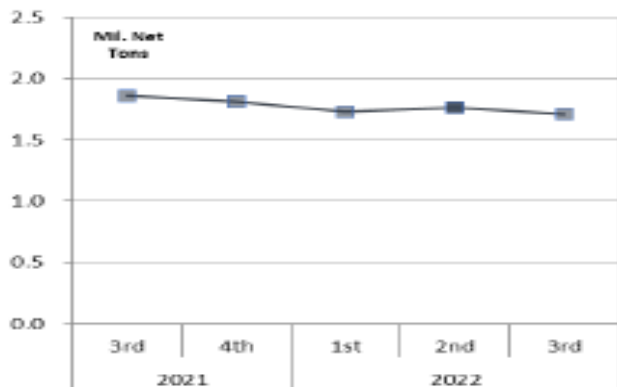
**Year-to-Date +**

November 19, 2022	79,620	-5.1	78.7
November 19, 2021	83,877	-	81.3

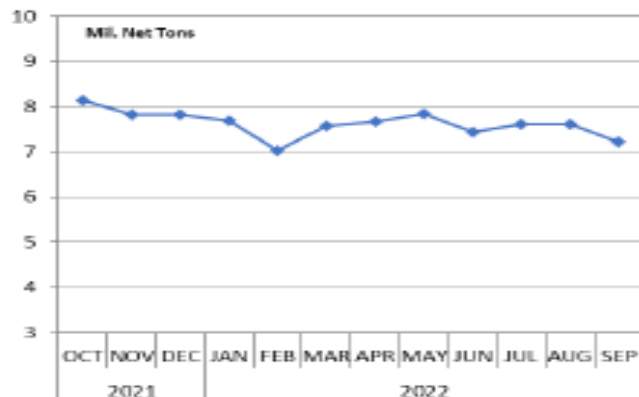
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

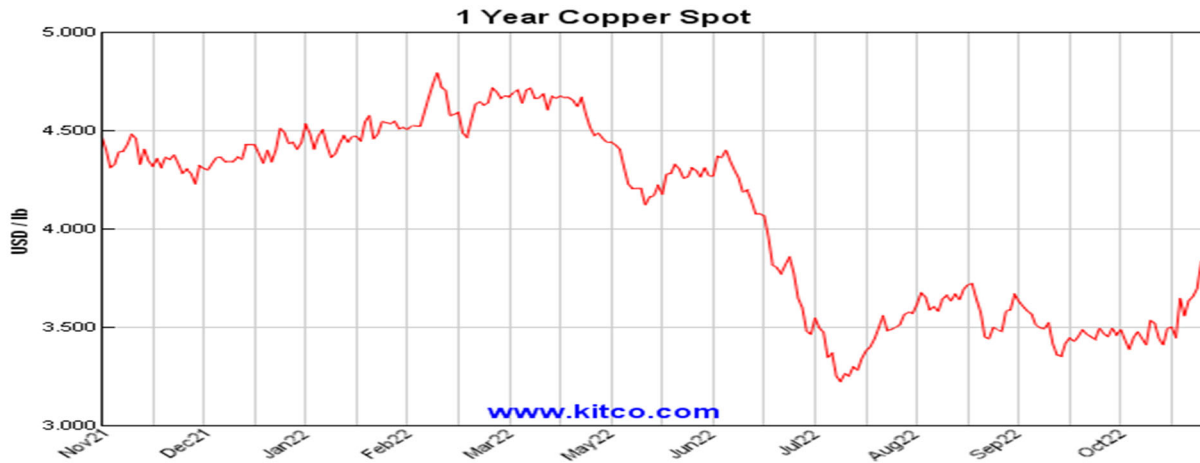
**Average Weekly Raw Steel Production**



**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](http://www.kitco.com/connecting.html)

**U.S. Rail Traffic<sup>1</sup>**  
 Week 46, 2022 – Ended November 19, 2022

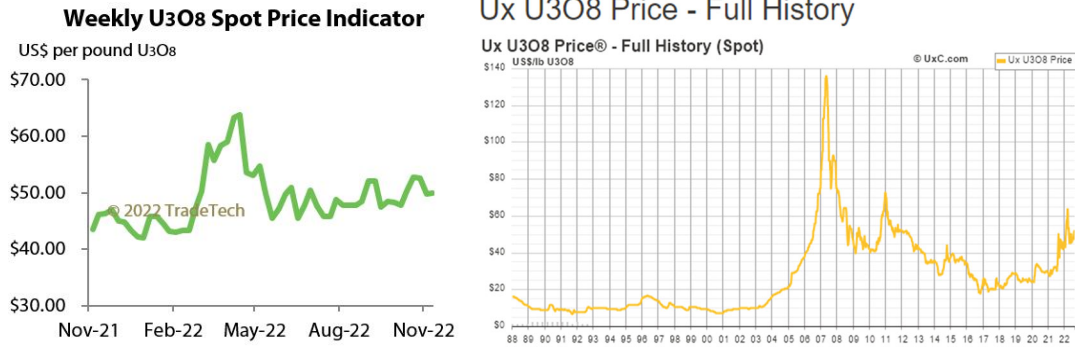
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk <sup>2</sup>	vs 2021
<b>Total Carloads</b>	<b>235,887</b>	<b>-0.6%</b>	<b>10,686,013</b>	<b>232,305</b>	<b>0.2%</b>
Chemicals	31,074	-9.0%	1,521,236	33,070	1.9%
Coal	66,485	2.7%	3,050,116	66,307	3.6%
Farm Products excl. Grain, and Food	16,609	-3.0%	752,158	16,351	3.2%
Forest Products	9,033	-8.7%	445,319	9,681	-3.5%
Grain	26,624	8.3%	1,027,353	22,334	-3.8%
Metallic Ores and Metals	21,939	1.8%	965,867	20,997	-7.1%
Motor Vehicles and Parts	13,631	-7.0%	613,932	13,346	3.0%
Nonmetallic Minerals	31,558	1.5%	1,456,801	31,670	4.3%
Petroleum and Petroleum Products	10,375	-0.5%	441,981	9,608	-8.5%
Other	8,559	-5.5%	411,250	8,940	-9.5%
<b>Total Intermodal Units</b>	<b>255,907</b>	<b>-5.6%</b>	<b>12,091,589</b>	<b>262,861</b>	<b>-4.8%</b>
<b>Total Traffic</b>	<b>491,794</b>	<b>-3.2%</b>	<b>22,777,602</b>	<b>495,165</b>	<b>-2.5%</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.

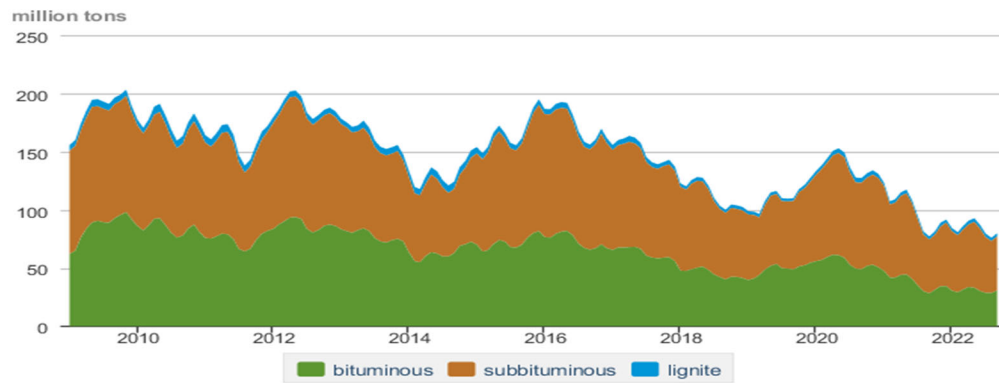
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

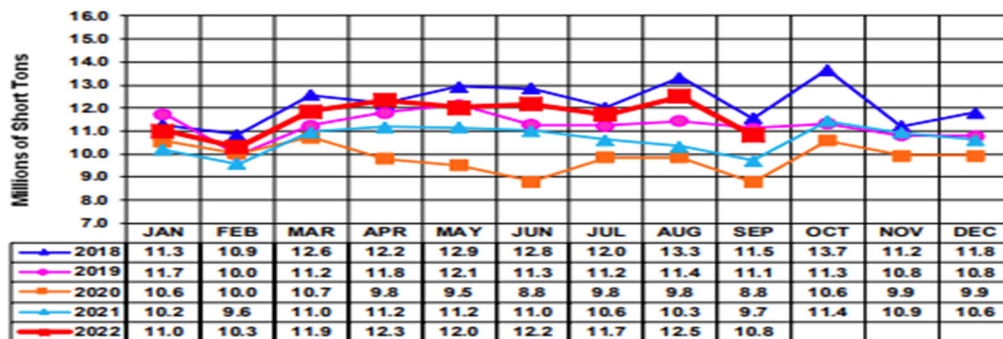
### Coal stocks by type, January 2009 - September 2022



eia Source: U.S. Energy Information Administration

Source: Energy Information Administration, Electric Monthly Update

### Coal and Coke Monthly Indicator for Internal U.S. Waterways



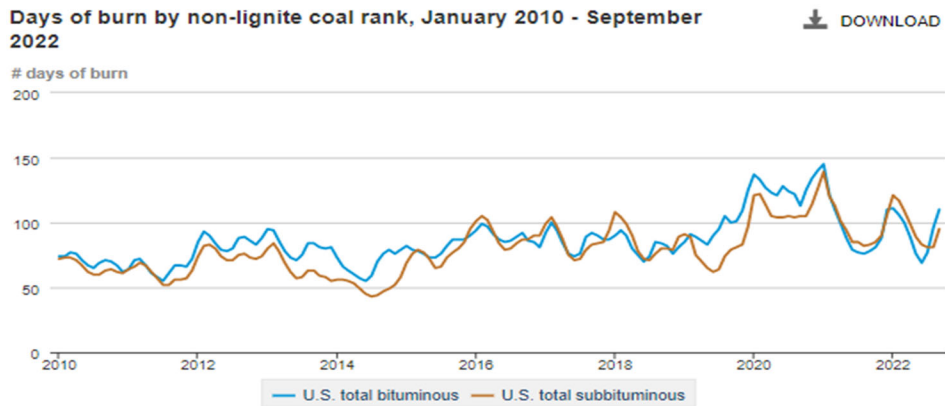
For the Internal U.S. Waterway Monthly Indicators, estimates for the most recent month are based on lock performance management data. The estimates will be superseded by actual data as it becomes available.

Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices  
dollars per short ton

	Week ending					Week ago
	10/21/22	10/28/22	11/04/22	11/11/22	11/18/22	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$176.65	\$182.10	\$182.10	\$182.10	\$187.70	\$5.60
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$180.25	\$185.80	\$185.80	\$185.80	\$191.50	\$5.70
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$186.50	\$186.50	\$186.50	\$186.50	\$186.50	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$17.45	\$17.15	\$17.15	\$17.15	\$17.10	\$-0.05
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$41.95	\$41.80	\$41.80	\$41.80	\$41.65	\$-0.15

Source: Energy Information Administration (with permission from S&P Global), *Coal Market Report*



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

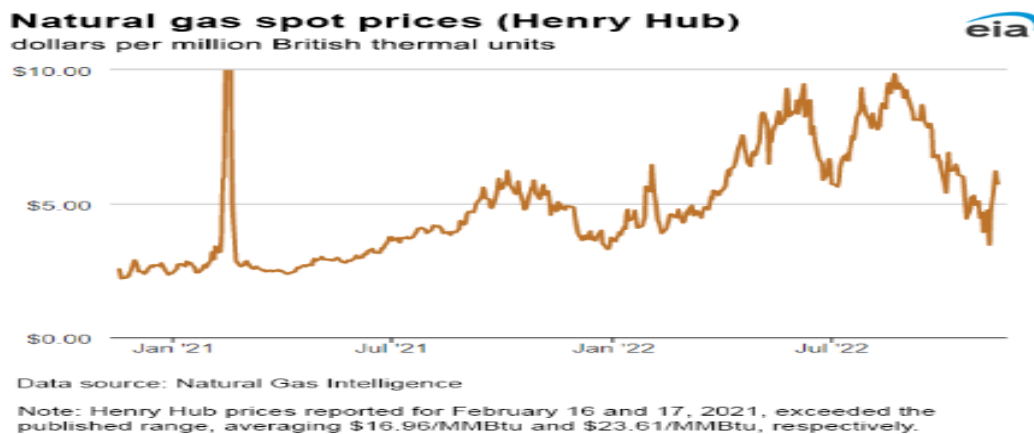
Temperature – heating & cooling degree days (week ending Nov 10)						
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	76	-68	-72	1	1	1
Middle Atlantic	68	-69	-65	1	1	1
E N Central	79	-74	-56	0	0	0
W N Central	127	-40	9	0	0	0
South Atlantic	32	-55	-68	29	14	21
E S Central	24	-65	-79	9	7	9
W S Central	16	-38	-42	32	22	25
Mountain	167	17	62	0	-2	-6
Pacific	113	42	49	0	-1	0
United States	80	-37	-26	10	5	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 - 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	September 2022		September 2021		% Change of Stocks	August 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	1,925	365	1,879	285	2.4%	1,555	365	23.8%
	Subbituminous								
South	Bituminous	12,480	108	10,671	81	17.0%	11,197	88	11.5%
	Subbituminous	3,584	63	2,824	44	26.9%	3,310	47	8.3%
Midwest	Bituminous	7,247	87	5,670	56	27.8%	6,528	76	11.0%
	Subbituminous	17,096	111	18,426	103	-7.2%	14,452	96	18.3%
West	Bituminous	3,029	163	1,916	96	58.1%	3,186	165	-4.9%
	Subbituminous	14,939	90	15,287	75	-2.3%	14,614	79	2.2%
U.S. Total	Bituminous	24,681	110	20,136	78	22.6%	22,465	96	9.9%
	Subbituminous	35,619	95	36,537	83	-2.5%	32,375	81	10.0%

Source: Energy Information Administration, *Electricity Monthly Update*

## EIA Working Natural Gas Underground Storage

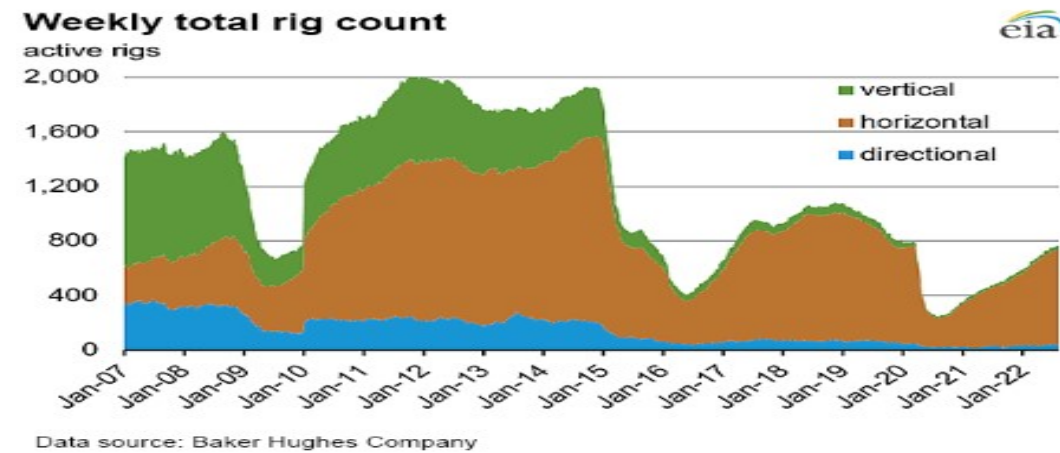
**Working gas in underground storage**

Region	Stocks billion cubic feet (Bcf)		
	2022-11-11	2022-11-04	change
East	882	865	17
Midwest	1,084	1,068	16
Mountain	208	208	0
Pacific	241	247	-6
South Central	1,228	1,193	35
<b>Total</b>	<b>3,644</b>	<b>3,580</b>	<b>64</b>

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 oil production per rig barrels/day			New-well gas production per rig thousand cubic feet/day		
	November 2022	December 2022	change	November 2022	December 2022	change
Anadarko	696	697	1	3,796	3,803	7
Appalachia	191	191	-	26,985	26,149	(836)
Bakken	1,696	1,710	14	2,510	2,535	25
Eagle Ford	1,557	1,541	(16)	6,133	6,041	(92)
Haynesville	20	20	-	10,781	10,760	(21)
Niobrara	1,395	1,388	(7)	3,545	3,492	(53)
Permian	1,061	1,049	(12)	2,112	2,089	(23)
Rig-weighted average	964	953	(11)	5,513	5,549	36

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

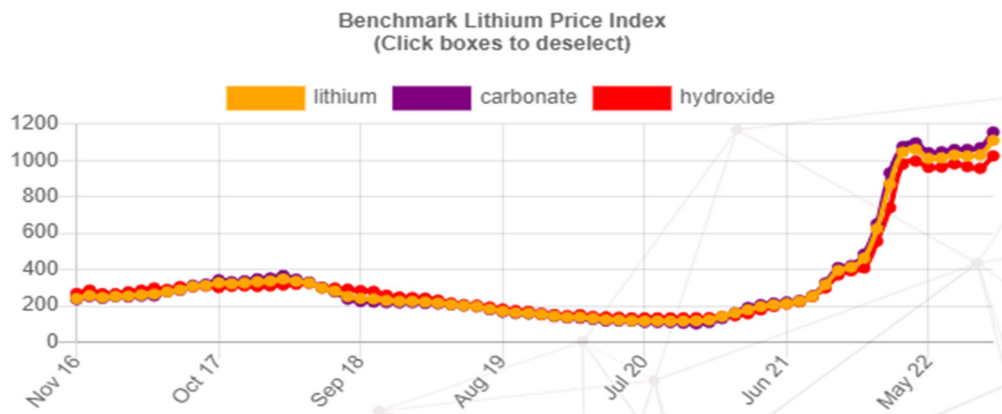
### Cobalt and Lithium Prices

#### 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/>