



# NATIONAL MINING ASSOCIATION

## WEEKLY STATISTICAL SUMMARY

**October 7, 2022 Edition**  
(Data for Week Ending October 1, 2022)

Prepared by  
**National Mining Association**

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# NMA WEEKLY STATISTICAL SUMMARY

Vol. 60, No. 40 | Dated 10/07/22

## PRODUCTION, CONSUMPTION & TRADE

	Week Ended			* Cumulative Jan 1 to		
	10/01/22	10/02/21	% Chg	10/01/22	10/01/21	% Chg
EIA Coal Production (000 Tons):						
Week Ended/Year to Date	11,792	11,123	6.0%	449,494	432,760	3.9%
52 Weeks Ended	592,706	564,047	5.1%			
AAR Coal Rail Cars Loaded:	67,866	65,187	4.1%	2,582,300	2,493,875	3.5%
Coal Production	Sep 22/21		% Chg	Jan - Sep 22/21		% Chg
Month Ended - September	51,372	49,760	3.2%	447,814	431,076	3.9%

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

	Aug 22/21			Jan - Aug 22/21		
			% Chg			% Chg
Exports:						
Metallurgical	3,496	4,260	-17.9%	30,859	29,688	3.9%
Steam Bit. *	3,447	3,404	1.3%	25,652	27,116	-5.4%
Lignite	6	6	0.0%	54	51	5.9%
Anthracite	<u>14</u>	<u>27</u>	-48.1%	<u>307</u>	<u>221</u>	38.9%
Total	6,963	7,697	-9.5%	56,872	57,076	-0.4%
Imports:	779	368	111.7%	4,397	3,538	24.3%

	Week Ended			Cumulative Week 1 to		
	10/01/22	10/02/21	% Chg	10/01/22	10/02/21	% Chg
EI Electric Total Output (Mil. Kwh)	70,819	75,020	-5.6%	3,249,826	3,160,881	2.8%
EI Coal Region Output (Mil. Kwh)	60,547	65,307	-7.3%	2,821,947	2,739,465	3.0%
AISI Raw Steel Output (000 Tons)	1,700	1,839	-7.6%	68,118	71,047	-4.1%

## EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

Average Coal Spot Prices (\$/Short Ton)	Week Ending			Natural Gas Spot Prices (\$/MMBtu)	
	09/30/22	09/23/22	% Chg	Wed.	09/28/22
Central App, 12,500 Btu, 1.2 SO <sub>2</sub>	\$204.95	\$195.85	4.6%	Henry Hub	6.61
Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>	187.55	181.95	3.1%	New York	4.78
Illinois Basin, 11,800, 5.0 SO <sub>2</sub>	196.75	196.75	0.0%	Chicago	5.18
Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub>	16.25	16.15	0.6%	Cal.Comp.Avg.	6.12
Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>	42.40	42.55	-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		
	10/1/2022 (week 40)	9/24/2022 (week 39)	10/2/2021 (week 40)	10/1/2022	10/1/2021	% Change	10/1/2022	10/2/2021	% Change
Alabama	154	158	163	6,957	7,492	-7.1	8,889	10,157	-12.5
Alaska	18	18	18	717	773	-7.2	984	1,040	-5.4
Colorado	301	305	257	10,261	8,431	21.7	13,670	10,974	24.6
Illinois	626	661	603	28,335	29,097	-2.6	36,007	36,851	-2.3
Indiana	417	427	376	16,370	14,569	12.4	21,222	19,032	11.5
<b>Kentucky total</b>	<b>554</b>	<b>560</b>	<b>491</b>	<b>21,288</b>	<b>19,588</b>	<b>8.7</b>	<b>28,057</b>	<b>25,642</b>	<b>9.4</b>
Eastern (KY)	243	244	196	9,070	7,364	23.2	11,808	9,410	25.5
Western (KY)	311	316	295	12,218	12,224	-0.1	16,249	16,233	0.1
Louisiana	7	7	7	240	227	5.6	312	310	0.6
Maryland	25	26	24	1,009	971	4.0	1,299	1,230	5.6
Mississippi	67	73	61	2,575	2,505	2.8	3,263	2,853	14.4
Missouri	s	s	s	41	37	9.2	48	74	-35.1
Montana	603	626	580	22,379	21,211	5.5	29,673	27,826	6.6
New Mexico	199	206	170	7,760	6,458	20.2	10,539	8,565	23.0
North Dakota	523	532	523	20,006	20,362	-1.7	26,095	26,618	-2.0
Ohio	55	55	55	2,022	2,026	-0.2	2,748	2,792	-1.6
Oklahoma	s	s	s	1	s	70.7	1	s	100.0
<b>Pennsylvania total</b>	<b>727</b>	<b>753</b>	<b>711</b>	<b>29,883</b>	<b>32,525</b>	<b>-8.1</b>	<b>39,681</b>	<b>42,067</b>	<b>-5.7</b>
Anthracite (PA)	46	47	41	1,809	1,500	20.6	2,414	2,044	18.1
Bituminous (PA)	681	706	670	28,074	31,025	-9.5	37,267	40,023	-6.9
Tennessee	.	.	.	s	.	100.0	s	.	.
Texas	370	378	363	12,985	12,468	4.2	17,720	17,149	3.3
Utah	227	234	234	8,651	9,394	-7.9	11,660	12,493	-6.7
Virginia	212	222	213	8,130	8,204	-0.9	10,801	10,781	0.2
<b>West Virginia total</b>	<b>1,586</b>	<b>1,618</b>	<b>1,435</b>	<b>62,444</b>	<b>58,878</b>	<b>6.1</b>	<b>81,986</b>	<b>75,776</b>	<b>8.2</b>
Northern (WV)	894	898	804	34,688	32,963	5.2	46,069	43,036	7.0
Southern (WV)	692	720	630	27,756	25,915	7.1	35,917	32,739	9.7
Wyoming	5,120	5,264	4,839	187,438	177,542	5.6	248,051	231,817	7.0
<b>Appalachian total</b>	<b>3,002</b>	<b>3,076</b>	<b>2,796</b>	<b>119,516</b>	<b>117,460</b>	<b>1.8</b>	<b>157,212</b>	<b>152,213</b>	<b>3.3</b>
<b>Interior total</b>	<b>1,798</b>	<b>1,862</b>	<b>1,705</b>	<b>72,765</b>	<b>71,128</b>	<b>2.3</b>	<b>94,822</b>	<b>92,500</b>	<b>2.5</b>
<b>Western total</b>	<b>6,992</b>	<b>7,184</b>	<b>6,622</b>	<b>257,213</b>	<b>244,172</b>	<b>5.3</b>	<b>340,672</b>	<b>319,334</b>	<b>6.7</b>
<b>East of Mississippi River</b>	<b>4,422</b>	<b>4,552</b>	<b>4,131</b>	<b>179,014</b>	<b>175,856</b>	<b>1.8</b>	<b>233,954</b>	<b>227,180</b>	<b>3.0</b>
<b>West of Mississippi River</b>	<b>7,370</b>	<b>7,570</b>	<b>6,992</b>	<b>270,480</b>	<b>256,905</b>	<b>5.3</b>	<b>358,752</b>	<b>336,867</b>	<b>6.5</b>
Bituminous and lignite	11,745	12,075	11,083	447,685	431,260	3.8	590,292	562,003	5.0
Anthracite	46	47	41	1,809	1,500	20.6	2,414	2,044	18.1
<b>U.S. total</b>	<b>11,792</b>	<b>12,122</b>	<b>11,123</b>	<b>449,494</b>	<b>432,760</b>	<b>3.9</b>	<b>592,706</b>	<b>564,047</b>	<b>5.1</b>
Railroad cars loaded	67,866	70,697	65,187	2,582,300	2,493,875	3.5	3,414,819	3,265,394	4.6

Source: Energy Information Administration



**Weekly Electric Output**

**Volume 90 No. 40**

**OUTPUT FOR WEEK ENDED - Oct 01, 2022**

**Oct 05, 2022**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Oct 01, 2022** was **70,819** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **177** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

	Week Ended October 01		52 Weeks Ended October 01	
	GWh Output	% Increase Over Corresponding Week of 2021	GWh Output	% Increase Over Corresponding Period of 2021
New England	1,899	-3.4	116,113	0.0
Mid-Atlantic	6,717	-3.6	419,736	0.6
Central Industrial	10,376	-9.3	656,674	1.2
West Central	5,677	-12.4	340,269	2.1
Southeast	16,726	-15.0	1,032,215	1.9
South Central	15,285	-0.4	829,649	7.1
Rocky Mountain	5,766	7.0	294,211	0.1
Pacific Northwest	2,531	-1.6	160,323	1.5
Pacific Southwest	5,842	12.9	272,389	1.5
Total United States	70,819	-5.6	4,121,579	2.4

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

Week Ended	2022	Week Ended	2021	% Inc. (22/21)	52 Weeks Ended	2022	% Inc. (22/21)
Sep 10	83,200	Sep 11	80,448	3.4	Sep 10	4,125,542	3.0
Sep 17	78,471	Sep 18	81,776	-4.0	Sep 17	4,122,237	2.7
Sep 24	79,329	Sep 25	75,786	4.7	Sep 24	4,125,780	2.7
Oct 01	70,819	Oct 02	75,020	-5.6	Oct 01	4,121,580	2.4
<b>Oct 01</b>	<b>3,249,826</b>	<b>Oct 02</b>	<b>3,160,881</b>	<b>2.8</b>	<b>YEAR TO DATE, FIRST 40 WEEKS</b>		

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

**SEASONALLY ADJUSTED 1982 = 100**

Week Ended	2022	Week Ended	2021	Week Ended	2020
Sep 10	194	Sep 11	177	Sep 12	187
Sep 17	187	Sep 18	184	Sep 19	182
Sep 24	199	Sep 25	178	Sep 26	178
Oct 01	177	Oct 02	178	Oct 03	183

\* 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		
	1-Oct 2022 GWh Output	2-Oct 2021 GWh Output	% Increase Over Corresponding Week	1-Oct 2022 GWh Output	2-Oct 2021 GWh Output	% Increase Over Corresponding Week	1-Oct 2022 GWh Output	2-Oct 2021 GWh Output	% Increase Over Corresponding Week
<b>New England</b>	1,899	1,966	-3.4%	<b>90,762</b>	<b>90,580</b>	<b>0.2%</b>	116,113	116,085	0.0%
<b>Mid-Atlantic</b>	6,717	6,970	-3.6%	<b>330,747</b>	<b>329,309</b>	<b>0.4%</b>	419,736	417,269	0.6%
<b>Central Industrial</b>	10,376	11,444	-9.3%	<b>516,484</b>	<b>510,849</b>	<b>1.1%</b>	656,674	648,692	1.2%
<b>West Central</b>	5,677	6,480	-12.4%	<b>267,084</b>	<b>261,952</b>	<b>2.0%</b>	340,269	333,420	2.1%
<b>Southeast</b>	16,726	19,672	-15.0%	<b>813,398</b>	<b>796,020</b>	<b>2.2%</b>	1,032,215	1,012,878	1.9%
<b>South Central</b>	15,285	15,352	-0.4%	<b>663,839</b>	<b>612,204</b>	<b>8.4%</b>	829,649	774,716	7.1%
<b>Rocky Mountain</b>	5,766	5,389	7.0%	<b>230,395</b>	<b>229,131</b>	<b>0.6%</b>	294,211	293,882	0.1%
<b>Pacific Northwest</b>	2,531	2,571	-1.6%	<b>123,350</b>	<b>121,203</b>	<b>1.8%</b>	160,323	157,945	1.5%
<b>Pacific Southwest</b>	5,842	5,176	12.9%	<b>213,766</b>	<b>209,637</b>	<b>2.0%</b>	272,389	268,366	1.5%
<b>Total United States <sup>1/</sup></b>	<u>70,819</u>	<u>75,020</u>	-5.6%	<u><b>3,249,825</b></u>	<u><b>3,160,885</b></u>	<u><b>2.8%</b></u>	<u>4,121,579</u>	<u>4,023,253</u>	<u>2.4%</u>
<b>Coal Regions Only <sup>2/</sup></b>	60,547	65,307	-7.3%	<b>2,821,947</b>	<b>2,739,465</b>	<b>3.0%</b>	3,572,754	3,480,857	2.6%

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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October 3, 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</u>		
				<u>Oct 1</u>	<u>Sep 24</u>	
<b><u>Week Ending</u></b>				North East	138	144
				Great Lakes	549	565
October 1, 2022	1,700	1.0	77.1	Midwest	196	194
October 1, 2021	1,839	-7.6	83.3	Southern	746	715
September 24, 2022	1,683	-0.6	79.6	Western	71	65
				<b>Total</b>	<b>1,700</b>	<b>1,683</b>

**Year-to-Date +**

October 1, 2022	68,118	-4.1	79.6
October 1, 2021	71,047	-	81.0

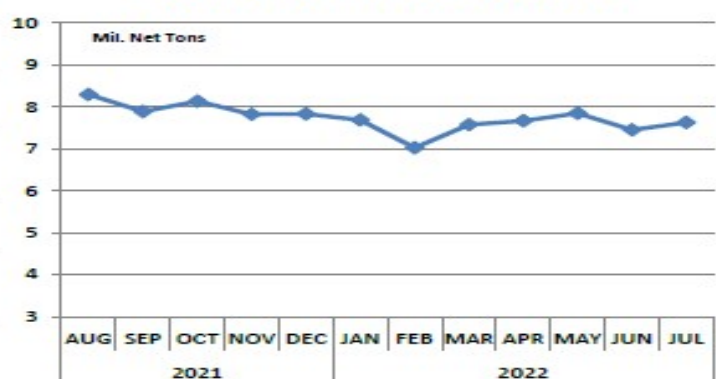
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides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

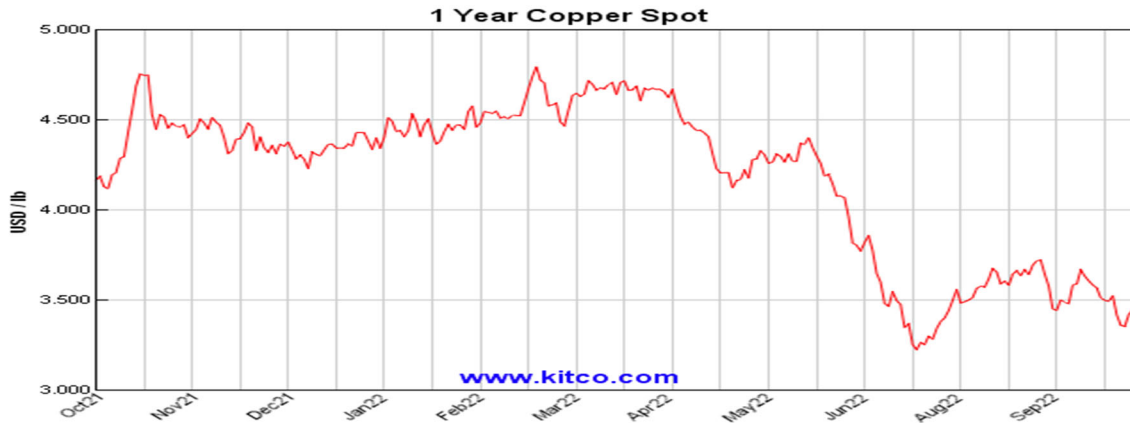
**Average Weekly Raw Steel Production**



**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 39, 2022 – Ended October 1, 2022**

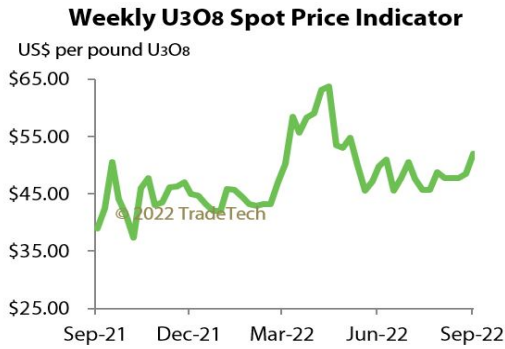
	This Week		Year-To-Date		
	Cars	vs 2021	Cumulative	Avg/wk <sup>2</sup>	vs 2021
<b>Total Carloads</b>	<b>234,420</b>	<b>-3.1%</b>	<b>9,019,302</b>	<b>231,264</b>	<b>0.1%</b>
Chemicals	30,754	-6.2%	1,301,031	33,360	3.1%
Coal	67,866	3.9%	2,575,059	66,027	3.5%
Farm Products excl. Grain, and Food	15,866	-4.8%	633,085	16,233	3.7%
Forest Products	9,260	-12.9%	382,400	9,805	-2.5%
Grain	22,745	-12.4%	851,497	21,833	-4.6%
Metallic Ores and Metals	21,450	-10.8%	819,683	21,018	-7.5%
Motor Vehicles and Parts	14,606	10.1%	512,495	13,141	1.7%
Nonmetallic Minerals	33,368	1.4%	1,224,869	31,407	4.1%
Petroleum and Petroleum Products	10,449	6.4%	370,830	9,508	-10.4%
Other	8,056	-22.9%	348,353	8,932	-9.6%
<b>Total Intermodal Units</b>	<b>261,448</b>	<b>-4.6%</b>	<b>10,259,554</b>	<b>263,065</b>	<b>-5.1%</b>
<b>Total Traffic</b>	<b>495,868</b>	<b>-3.9%</b>	<b>19,278,856</b>	<b>494,330</b>	<b>-2.7%</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.

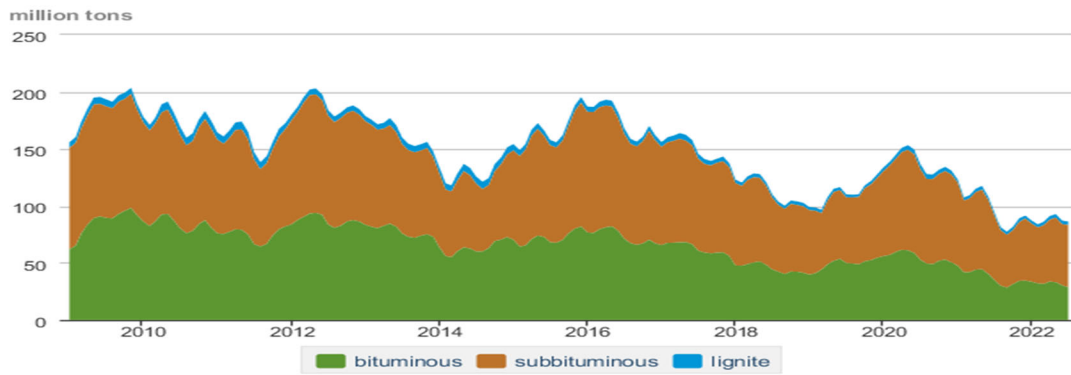
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

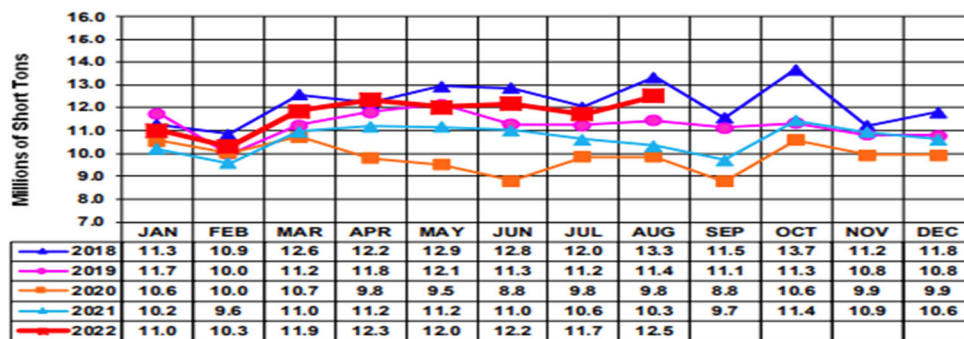
### Coal stocks by type, January 2009 - July 2022



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.

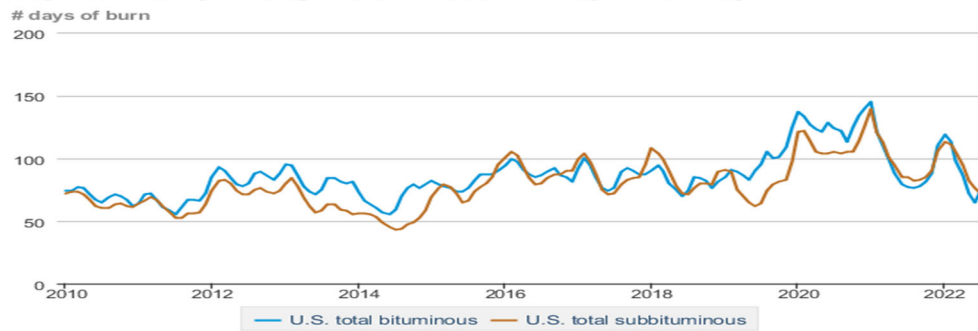
Source: Waterborne Commerce Statistics Center

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

	Week ending					Week ago
	09/02/22	09/09/22	09/16/22	09/23/22	09/30/22	change
Central Appalachia 12,500 Btu, 1.2 SO <sub>2</sub>	\$192.90	\$192.90	\$198.85	\$198.85	\$204.95	\$6.10
Northern Appalachia 13,000 Btu, < 3.0 SO <sub>2</sub>	\$176.50	\$176.50	\$181.95	\$181.95	\$187.55	\$5.60
Illinois Basin 11,800 Btu, 5.0 SO <sub>2</sub>	\$196.65	\$196.65	\$196.75	\$196.75	\$196.75	\$0.00
Powder River Basin 8,800 Btu, 0.8 SO <sub>2</sub>	\$16.20	\$16.20	\$16.15	\$16.15	\$16.25	\$0.10
Uinta Basin 11,700 Btu, 0.8 SO <sub>2</sub>	\$42.70	\$42.70	\$42.55	\$42.55	\$42.40	-\$0.15

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

**Days of burn by non-lignite coal rank, January 2010 - July 2022**



Source: U.S. Energy Information Administration

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

**Temperature – heating & cooling degree days (week ending Sep 22)**

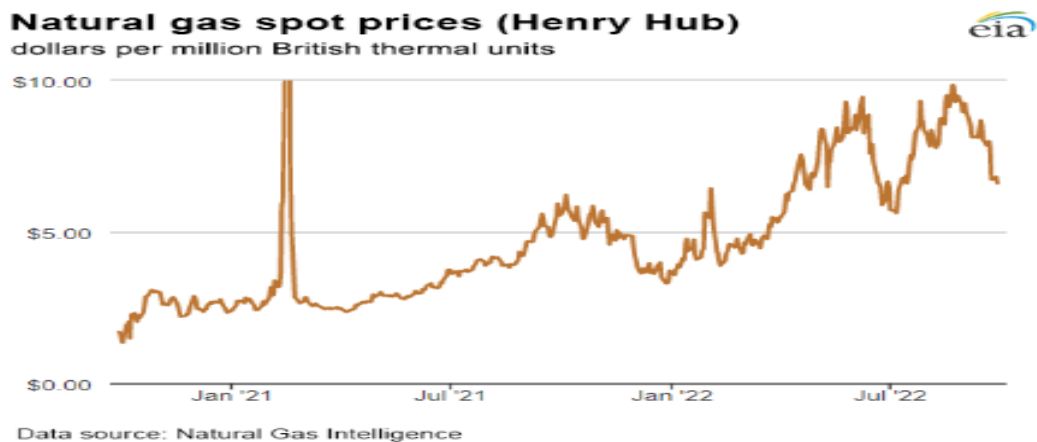
Region	HDDs			CDDs		
	Current total	Deviation from normal	Deviation from last year	Current total	Deviation from normal	Deviation from last year
New England	27	-11	16	3	2	-10
Middle Atlantic	9	-20	6	17	8	-12
E N Central	9	-23	-2	37	27	5
W N Central	14	-22	-4	51	36	15
South Atlantic	0	-9	0	68	12	-10
E S Central	0	-9	-1	69	26	4
W S Central	0	-2	-1	111	37	12
Mountain	21	-19	-8	36	1	-4
Pacific	8	-4	1	3	-25	-19
United States	9	-14	0	44	12	-4

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	July 2022		July 2021		% Change of Stocks	June 2022		% Change of Stocks
		Stocks (1000 tons)	Days of Burn	Stocks (1000 tons)	Days of Burn		Stocks (1000 tons)	Days of Burn	
Northeast	Bituminous	1,672	365	2,090	328	-20.0%	1,644	298	1.7%
	Subbituminous	-	-	-	-	-	-	-	-
South	Bituminous	10,833	56	12,915	64	-16.1%	11,374	53	-4.8%
	Subbituminous	3,254	38	3,919	45	-17.0%	3,602	40	-9.6%
Midwest	Bituminous	6,748	65	7,219	66	-6.5%	6,925	59	-2.6%
	Subbituminous	15,941	93	20,789	107	-23.3%	19,048	92	-16.3%
West	Bituminous	3,221	159	2,452	120	31.4%	3,279	156	-1.8%
	Subbituminous	15,571	70	19,315	80	-19.4%	18,135	78	-14.1%
U.S. Total	Bituminous	22,473	74	24,675	77	-8.9%	23,222	65	-3.2%
	Subbituminous	34,766	72	44,023	85	-21.0%	40,785	76	-14.8%

Source: Energy Information Administration, *Electricity Monthly Update*

### EIA Working Natural Gas Underground Storage

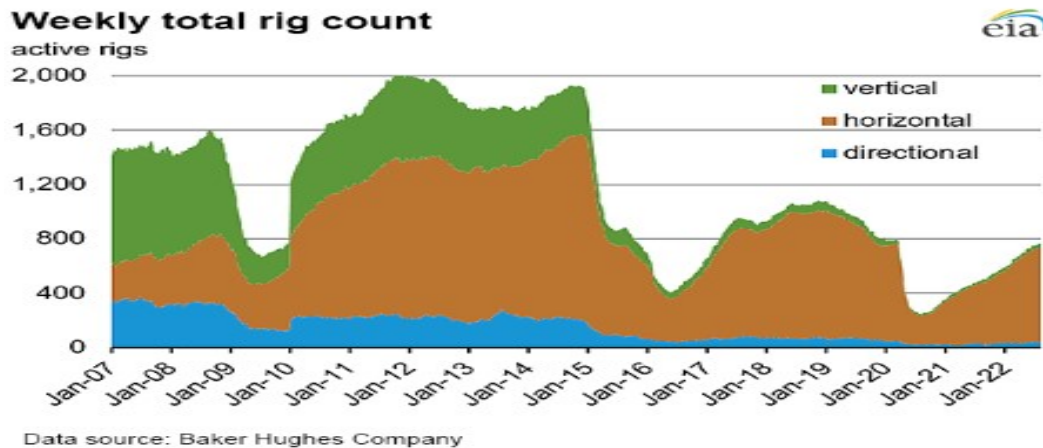
**Working gas in underground storage**

Region	Stocks billion cubic feet (Bcf)		
	2022-09-23	2022-09-16	change
East	721	690	31
Midwest	879	844	35
Mountain	176	168	8
Pacific	243	237	6
South Central	958	935	23
<b>Total</b>	<b>2,977</b>	<b>2,874</b>	<b>103</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 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					
	September 2022	October 2022	change	September 2022	October 2022	change			
Anadarko	711	713	2	3,835	3,843	8			
Appalachia	191	191	-	27,855	27,869	14			
Bakken	1,732	1,735	3	2,537	2,552	15			
Eagle Ford	1,688	1,654	(34)	6,386	6,258	(128)			
Haynesville	20	20	-	10,912	10,858	(54)			
Niobrara	1,500	1,485	(15)	3,759	3,703	(56)			
Permian	1,083	1,078	(5)	2,127	2,116	(11)			
Rig-weighted average	997	996	(1)	5,671	5,587	(84)			

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

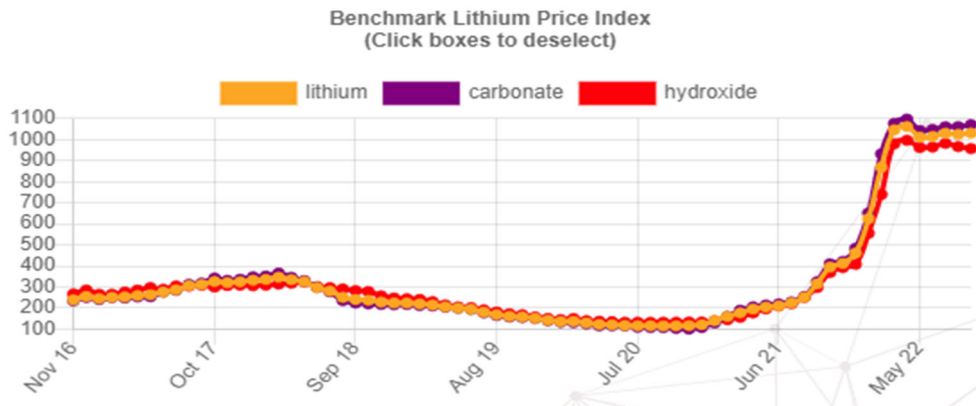
### Cobalt and Lithium Prices

#### 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/>