



# **NATIONAL MINING ASSOCIATION**

## **WEEKLY STATISTICAL SUMMARY**

**December 16, 2022 Edition**  
(Data for Week Ending December 10, 2022)

Prepared by  
**National Mining Association**

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# NMA WEEKLY STATISTICAL SUMMARY

Vol. 60, No. 50 | Dated 12/16/22

## PRODUCTION, CONSUMPTION & TRADE

|                                 | Week Ended |          |       | * Cumulative Jan 1 to |           |       |
|---------------------------------|------------|----------|-------|-----------------------|-----------|-------|
|                                 | 12/10/22   | 12/11/21 | % Chg | 12/10/22              | 12/10/21  | % Chg |
| EIA Coal Production (000 Tons): |            |          |       |                       |           |       |
| Week Ended/Year to Date         | 12,589     | 11,498   | 9.5%  | 568,598               | 545,724   | 4.2%  |
| 52 Weeks Ended                  | 598,810    | 573,014  | 4.5%  |                       |           |       |
| AAR Coal Rail Cars Loaded:      | 72,541     | 66,762   | 8.7%  | 3,260,748             | 3,149,786 | 3.5%  |
| Coal Production                 | Nov 22/21  |          | % Chg | Jan - Nov 22/21       |           | % Chg |
| Month Ended - November          | 49,481     | 48,825   | 1.3%  | 549,745               | 528,855   | 4.0%  |

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

|               | Oct 22/21 |           | % Chg  | Jan - Oct 22/21 |            | % Chg |
|---------------|-----------|-----------|--------|-----------------|------------|-------|
|               |           |           |        |                 |            |       |
| Exports:      |           |           |        |                 |            |       |
| Metallurgical | 3,783     | 4,375     | -13.5% | 38,913          | 37,804     | 2.9%  |
| Steam Bit. *  | 2,839     | 2,841     | -0.1%  | 31,278          | 32,716     | -4.4% |
| Lignite       | 5         | 8         | -37.5% | 65              | 65         | 0.0%  |
| Anthracite    | <u>52</u> | <u>40</u> | 30.0%  | <u>386</u>      | <u>275</u> | 40.4% |
| Total         | 6,679     | 7,264     | -8.1%  | 70,642          | 70,860     | -0.3% |
| Imports:      | 404       | 525       | -23.0% | 5,332           | 4,265      | 25.0% |

|                                      | Week Ended |          |       | Cumulative Week 1 to |           |       |
|--------------------------------------|------------|----------|-------|----------------------|-----------|-------|
|                                      | 12/10/22   | 12/11/21 | % Chg | 12/10/22             | 12/11/21  | % Chg |
| EEl Electric Total Output (Mil. Kwh) | 75,015     | 76,144   | -1.5% | 3,968,133            | 3,880,215 | 2.3%  |
| EEl Coal Region Output (Mil. Kwh)    | 63,926     | 65,193   | -1.9% | 3,439,563            | 3,360,387 | 2.4%  |
| AISI Raw Steel Output (000 Tons)     | 1,635      | 1,768    | -7.5% | 84,364               | 89,273    | -5.5% |

## EIA AVERAGE COAL & NATURAL GAS SPOT PRICES

Dollars Per Short Ton

| Average Coal Spot Prices<br>(\$/Short Ton)        | Week Ending |          |       | Natural Gas Spot Prices (\$/MMBtu) |          |
|---|-------------|----------|-------|------------------------------------|----------|
|   | 12/09/22    | 12/02/22 | % Chg | Wed.                               | 12/07/22 |
| Central App, 12,500 Btu, 1.2 SO <sub>2</sub>      | \$199.40    | \$193.45 | 3.1%  | Henry Hub                          | 4.53     |
| Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>   | 203.45      | 197.40   | 3.1%  | New York                           | 4.46     |
| Illinois Basin, 11,800, 5.0 SO <sub>2</sub>       | 168.25      | 168.25   | 0.0%  | Chicago                            | 4.30     |
| Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub> | 15.60       | 15.85    | -1.6% | Cal.Comp.Avg.                      | 20.99    |
| Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>      | 41.35       | 41.50    | -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

| <b>EIA Estimated Weekly U.S. Coal Production Overview</b> |                         |                        |                         |                |                |             |                |                |             |
|---|-------------------------|------------------------|-------------------------|----------------|----------------|-------------|----------------|----------------|-------------|
| Coal-Producing Region & State<br>(thousand short tons)    | Week Ended              |                        |                         | Year to Date   |                |             | 52 Weeks Ended |                |             |
|   | 12/10/2022<br>(week 50) | 12/3/2022<br>(week 49) | 12/11/2021<br>(week 50) | 12/10/2022     | 12/10/2021     | % Change    | 12/10/2022     | 12/11/2021     | % Change    |
| Alabama   | 198                     | 174                    | 155                     | 9,483          | 9,017          | 5.2         | 9,891          | 9,562          | 3.4         |
| Alaska  | 21                      | 20                     | 21                      | 917            | 983            | -6.7        | 973            | 1,039          | -6.4        |
| Colorado  | 309                     | 276                    | 274                     | 12,826         | 11,120         | 15.3        | 13,545         | 11,654         | 16.2        |
| Illinois  | 716                     | 654                    | 616                     | 35,865         | 35,149         | 2.0         | 37,483         | 36,754         | 2.0         |
| Indiana   | 466                     | 455                    | 390                     | 21,527         | 18,396         | 17.0        | 22,550         | 19,324         | 16.7        |
| <b>Kentucky total</b>                                     | <b>605</b>              | <b>584</b>             | <b>543</b>              | <b>27,093</b>  | <b>24,927</b>  | <b>8.7</b>  | <b>28,521</b>  | <b>26,187</b>  | <b>8.9</b>  |
| Eastern (KY)  | 262                     | 251                    | 220                     | 11,471         | 9,523          | 20.5        | 12,049         | 9,953          | 21.1        |
| Western (KY)  | 344                     | 333                    | 324                     | 15,622         | 15,404         | 1.4         | 16,473         | 16,234         | 1.5         |
| Louisiana   | 6                       | 6                      | 6                       | 288            | 284            | 1.3         | 303            | 301            | 0.7         |
| Maryland  | 26                      | 26                     | 23                      | 1,286          | 1,199          | 7.2         | 1,347          | 1,253          | 7.5         |
| Mississippi   | 63                      | 61                     | 55                      | 3,249          | 3,048          | 6.6         | 3,394          | 3,123          | 8.7         |
| Missouri  | 1                       | 1                      | 1                       | 56             | 43             | 32.1        | 58             | 50             | 16.0        |
| Montana   | 628                     | 588                    | 586                     | 27,777         | 26,965         | 3.0         | 29,315         | 28,340         | 3.4         |
| New Mexico  | 262                     | 255                    | 223                     | 10,682         | 8,650          | 23.5        | 11,269         | 9,092          | 23.9        |
| North Dakota  | 571                     | 527                    | 489                     | 25,887         | 25,165         | 2.9         | 27,172         | 26,459         | 2.7         |
| Ohio  | 59                      | 56                     | 58                      | 2,490          | 2,599          | -4.2        | 2,644          | 2,757          | -4.1        |
| Oklahoma  | s                       | s                      | s                       | 2              | s              | NM          | 2              | s              | 100.0       |
| <b>Pennsylvania total</b>                                 | <b>777</b>              | <b>749</b>             | <b>787</b>              | <b>36,883</b>  | <b>40,253</b>  | <b>-8.4</b> | <b>38,950</b>  | <b>42,231</b>  | <b>-7.8</b> |
| Anthracite (PA)   | 58                      | 56                     | 49                      | 2,391          | 1,977          | 20.9        | 2,518          | 2,090          | 20.5        |
| Bituminous (PA)   | 719                     | 693                    | 738                     | 34,492         | 38,276         | -9.9        | 36,432         | 40,141         | -9.2        |
| Tennessee   | .                       | .                      | .                       | s              | .              | 100.0       | s              | .              | .           |
| Texas   | 395                     | 358                    | 380                     | 16,350         | 16,202         | 0.9         | 17,349         | 17,172         | 1.0         |
| Utah  | 244                     | 237                    | 242                     | 10,894         | 11,768         | -7.4        | 11,529         | 12,409         | -7.1        |
| Virginia  | 227                     | 214                    | 214                     | 10,280         | 10,311         | -0.3        | 10,843         | 10,845         | s           |
| <b>West Virginia total</b>                                | <b>1,746</b>            | <b>1,658</b>           | <b>1,569</b>            | <b>79,412</b>  | <b>74,293</b>  | <b>6.9</b>  | <b>83,535</b>  | <b>77,815</b>  | <b>7.4</b>  |
| Northern (WV)   | 996                     | 954                    | 914                     | 44,721         | 41,941         | 6.6         | 47,122         | 44,038         | 7.0         |
| Southern (WV)   | 750                     | 705                    | 655                     | 34,692         | 32,353         | 7.2         | 36,413         | 33,777         | 7.8         |
| Wyoming   | 5,269                   | 5,097                  | 4,866                   | 235,350        | 225,353        | 4.4         | 248,137        | 236,647        | 4.9         |
| <b>Appalachian total</b>                                  | <b>3,294</b>            | <b>3,128</b>           | <b>3,026</b>            | <b>151,306</b> | <b>147,194</b> | <b>2.8</b>  | <b>159,258</b> | <b>154,416</b> | <b>3.1</b>  |
| <b>Interior total</b>                                     | <b>1,991</b>            | <b>1,867</b>           | <b>1,771</b>            | <b>92,958</b>  | <b>88,527</b>  | <b>5.0</b>  | <b>97,611</b>  | <b>92,959</b>  | <b>5.0</b>  |
| <b>Western total</b>                                      | <b>7,304</b>            | <b>7,000</b>           | <b>6,701</b>            | <b>324,334</b> | <b>310,003</b> | <b>4.6</b>  | <b>341,940</b> | <b>325,640</b> | <b>5.0</b>  |
| <b>East of Mississippi River</b>                          | <b>4,883</b>            | <b>4,630</b>           | <b>4,411</b>            | <b>227,568</b> | <b>219,191</b> | <b>3.8</b>  | <b>239,159</b> | <b>229,851</b> | <b>4.0</b>  |
| <b>West of Mississippi River</b>                          | <b>7,706</b>            | <b>7,365</b>           | <b>7,087</b>            | <b>341,029</b> | <b>326,533</b> | <b>4.4</b>  | <b>359,651</b> | <b>343,163</b> | <b>4.8</b>  |
| Bituminous and lignite                                    | 12,531                  | 11,939                 | 11,449                  | 566,207        | 543,747        | 4.1         | 596,291        | 570,924        | 4.4         |
| Anthracite  | 58                      | 56                     | 49                      | 2,391          | 1,977          | 20.9        | 2,518          | 2,090          | 20.5        |
| <b>U.S. total</b>   | <b>12,589</b>           | <b>11,995</b>          | <b>11,498</b>           | <b>568,598</b> | <b>545,724</b> | <b>4.2</b>  | <b>598,810</b> | <b>573,014</b> | <b>4.5</b>  |
| Railroad cars loaded                                      | 72,541                  | 69,107                 | 66,762                  | 3,260,748      | 3,149,786      | 3.5         | 3,437,151      | 3,312,004      | 3.8         |

Source: Energy Information Administration



# Weekly Electric Output

Volume 90 No. 50

**OUTPUT FOR WEEK ENDED - Dec 10, 2022**

**Dec 14, 2022**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Dec 10, 2022** was **75,015** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **169** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

|                     | Week Ended December 10 |  | 52 Weeks Ended December 10 |  |
|---------------------|------------------------|--|----------------------------|--|
|                     | GWh Output             | % Increase Over Corresponding Week of 2021 | GWh Output                 | % Increase Over Corresponding Period of 2021 |
| New England         | 2,201                  | -5.5                                       | 115,523                    | -0.5   |
| Mid-Atlantic        | 7,645                  | -3.3                                       | 417,319                    | -0.5   |
| Central Industrial  | 12,190                 | -2.9                                       | 653,717                    | 0.2  |
| West Central        | 6,436                  | -1.6                                       | 340,709                    | 1.6  |
| Southeast           | 17,814                 | -4.7                                       | 1,026,958                  | 1.0  |
| South Central       | 14,075                 | 2.0  | 835,023                    | 7.2  |
| Rocky Mountain      | 5,766                  | 1.1  | 295,724                    | 0.9  |
| Pacific Northwest   | 3,865                  | 7.8  | 161,712                    | 2.6  |
| Pacific Southwest   | 5,023                  | -0.2                                       | 273,868                    | 2.4  |
| Total United States | 75,015                 | -1.5                                       | 4,120,552                  | 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) |
|---------------|------------------|---------------|------------------|----------------|-------------------------------------|-----------|----------------|
| Nov 19        | 76,644           | Nov 20        | 71,643           | 7.0            | Nov 19                              | 4,119,662 | 2.1            |
| Nov 26        | 72,870           | Nov 27        | 72,312           | 0.8            | Nov 26                              | 4,120,220 | 2.0            |
| Dec 03        | 75,205           | Dec 04        | 73,744           | 2.0            | Dec 03                              | 4,121,681 | 2.1            |
| Dec 10        | 75,015           | Dec 11        | 76,144           | -1.5           | Dec 10                              | 4,120,553 | 2.1            |
| <b>Dec 10</b> | <b>3,968,133</b> | <b>Dec 11</b> | <b>3,880,215</b> | <b>2.3</b>     | <b>YEAR TO DATE, FIRST 50 WEEKS</b> |           |                |

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

**SEASONALLY ADJUSTED 1982 = 100**

| Week Ended | 2022 | Week Ended | 2021 | Week Ended | 2020 |
|------------|------|------------|------|------------|------|
| Nov 19     | 188  | Nov 20     | 174  | Nov 21     | 177  |
| Nov 26     | 176  | Nov 27     | 172  | Nov 28     | 170  |
| Dec 03     | 175  | Dec 04     | 171  | Dec 05     | 172  |
| Dec 10     | 169  | Dec 11     | 171  | Dec 12     | 165  |

\* 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                  |                                 |  |
|--|---------------------------------|---------------------------------|--|------------------------------------|---------------------------------|--|---------------------------------|---------------------------------|--|
|  | 10-Dec<br>2022<br>GWh<br>Output | 11-Dec<br>2021<br>GWh<br>Output | % Increase Over<br>Corresponding<br>Week | 10-Dec<br>2022<br>GWh<br>Output    | 11-Dec<br>2021<br>GWh<br>Output | % Increase Over<br>Corresponding<br>Week | 10-Dec<br>2022<br>GWh<br>Output | 11-Dec<br>2021<br>GWh<br>Output | % Increase Over<br>Corresponding<br>Week |
| <b>New England</b>                       | 2,201                           | 2,330                           | -5.5%                                    | <b>110,914</b>                     | <b>111,321</b>                  | <b>-0.4%</b>                             | 115,523                         | 116,105                         | -0.5%                                    |
| <b>Mid-Atlantic</b>                      | 7,645                           | 7,907                           | -3.3%                                    | <b>401,603</b>                     | <b>402,582</b>                  | <b>-0.2%</b>                             | 417,319                         | 419,231                         | -0.5%                                    |
| <b>Central Industrial</b>                | 12,190                          | 12,548                          | -2.9%                                    | <b>629,348</b>                     | <b>626,671</b>                  | <b>0.4%</b>                              | 653,717                         | 652,088                         | 0.2%                                     |
| <b>West Central</b>                      | 6,436                           | 6,539                           | -1.6%                                    | <b>328,019</b>                     | <b>322,449</b>                  | <b>1.7%</b>                              | 340,709                         | 335,202                         | 1.6%                                     |
| <b>Southeast</b>                         | 17,814                          | 18,698                          | -4.7%                                    | <b>988,986</b>                     | <b>976,865</b>                  | <b>1.2%</b>                              | 1,026,958                       | 1,017,169                       | 1.0%                                     |
| <b>South Central</b>                     | 14,075                          | 13,799                          | 2.0%                                     | <b>807,085</b>                     | <b>750,076</b>                  | <b>7.6%</b>                              | 835,023                         | 778,619                         | 7.2%                                     |
| <b>Rocky Mountain</b>                    | 5,766                           | 5,702                           | 1.1%                                     | <b>284,522</b>                     | <b>281,744</b>                  | <b>1.0%</b>                              | 295,724                         | 293,025                         | 0.9%                                     |
| <b>Pacific Northwest</b>                 | 3,865                           | 3,586                           | 7.8%                                     | <b>154,167</b>                     | <b>150,631</b>                  | <b>2.3%</b>                              | 161,712                         | 157,638                         | 2.6%                                     |
| <b>Pacific Southwest</b>                 | 5,023                           | 5,035                           | -0.2%                                    | <b>263,488</b>                     | <b>257,882</b>                  | <b>2.2%</b>                              | 273,868                         | 267,525                         | 2.4%                                     |
| <b>Total United States <sup>1/</sup></b> | <b>75,015</b>                   | <b>76,144</b>                   | <b>-1.5%</b>                             | <b>3,968,132</b>                   | <b>3,880,221</b>                | <b>2.3%</b>                              | 4,120,553                       | 4,036,602                       | 2.1%                                     |
| <b>Coal Regions Only <sup>2/</sup></b>   | 63,926                          | 65,193                          | -1.9%                                    | <b>3,439,563</b>                   | <b>3,360,387</b>                | <b>2.4%</b>                              | 3,569,450                       | 3,495,334                       | 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.**

<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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December 12, 2022

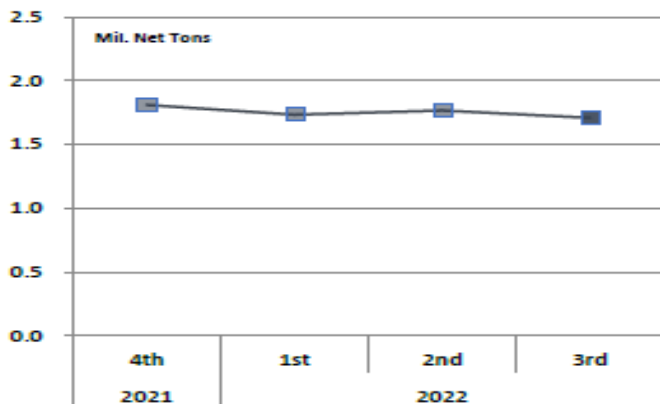
**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

| <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 Dec 10</u>     | <u>Week Ending Dec 26</u> |              |
| <b><u>Week Ending</u></b>    |                          |  |   | North East                    | 126                       | 139          |
|                              |                          |  |   | Great Lakes                   | 545                       | 541          |
| December 10, 2022            | 1,635                    | 0.3  | 73.3                                    | Midwest                       | 191                       | 196          |
| December 10, 2021            | 1,768                    | -7.5                                       | 80.1                                    | Southern                      | 703                       | 684          |
| December 3, 2022             | 1,630                    | 0.3  | 73.1                                    | Western                       | 70                        | 70           |
|                              |                          |  |   | <b>Total</b>                  | <b>1,635</b>              | <b>1,630</b> |
| <b><u>Year-to-Date +</u></b> |                          |  |   |                               |                           |              |
| December 10, 2022            | 84,364                   | -5.5                                       | 78.2                                    |                               |                           |              |
| December 10, 2021            | 89,273                   | -  | 81.2                                    |                               |                           |              |

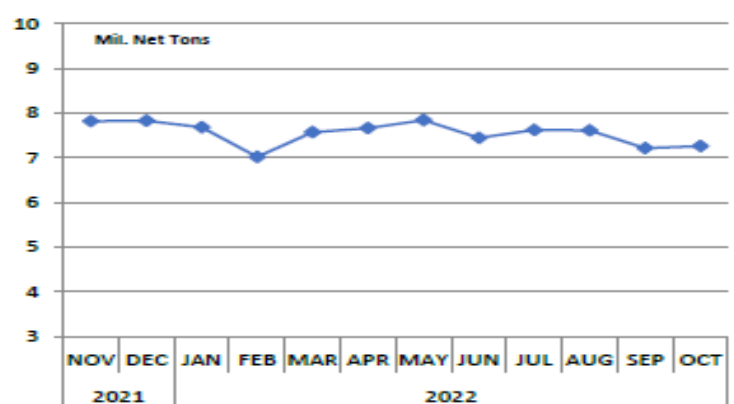
\*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 September 2022 was approximately 76.4%, 7.19 million net tons.

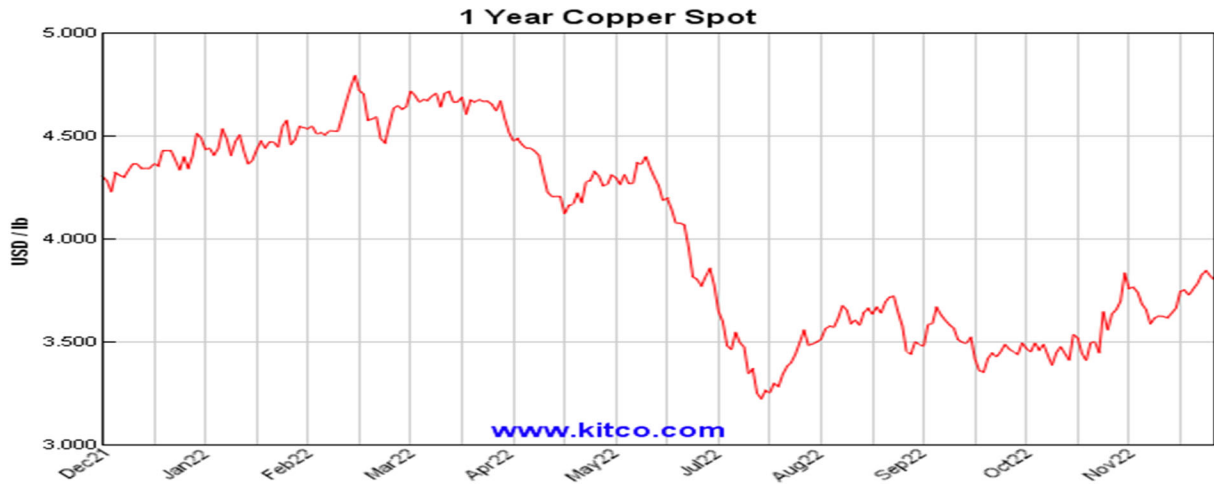
**Average Weekly Raw Steel Production**



**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 49, 2022 – Ended December 10, 2022**

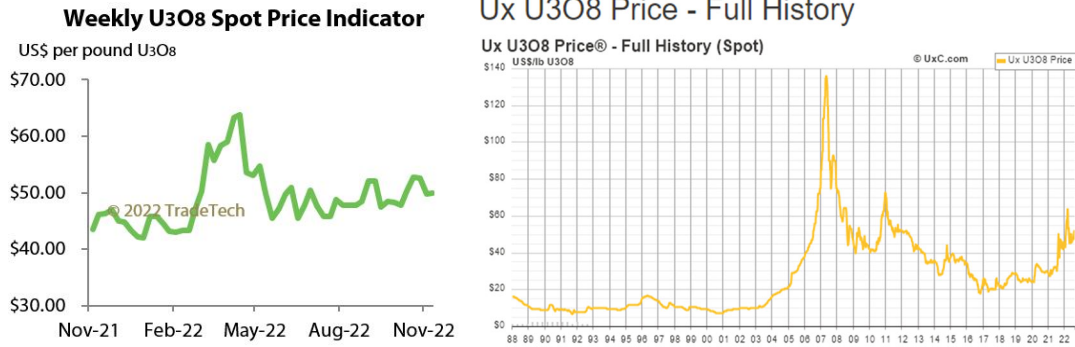
|                                     | This Week      |              | Year-To-Date      |                     |              |
|-------------------------------------|----------------|--------------|-------------------|---------------------|--------------|
|                                     | Cars           | vs 2021      | Cumulative        | Avg/wk <sup>2</sup> | vs 2021      |
| <b>Total Carloads</b>               | <b>242,007</b> | <b>1.3%</b>  | <b>11,376,119</b> | <b>232,166</b>      | <b>0.1%</b>  |
| Chemicals                           | 30,258         | -14.3%       | 1,607,968         | 32,816              | 0.7%         |
| Coal                                | 72,541         | 8.9%         | 3,253,504         | 66,398              | 3.5%         |
| Farm Products excl. Grain, and Food | 16,936         | 3.5%         | 801,981           | 16,367              | 3.1%         |
| Forest Products                     | 9,296          | -6.1%        | 472,381           | 9,640               | -3.7%        |
| Grain                               | 23,806         | -4.3%        | 1,097,632         | 22,401              | -4.1%        |
| Metallic Ores and Metals            | 20,654         | 1.9%         | 1,027,254         | 20,964              | -6.7%        |
| Motor Vehicles and Parts            | 15,051         | 7.9%         | 656,226           | 13,392              | 3.3%         |
| Nonmetallic Minerals                | 32,575         | 4.9%         | 1,545,680         | 31,544              | 4.1%         |
| Petroleum and Petroleum Products    | 11,071         | -0.1%        | 472,312           | 9,639               | -8.0%        |
| Other                               | 9,819          | 3.6%         | 441,181           | 9,004               | -8.2%        |
| <b>Total Intermodal Units</b>       | <b>258,303</b> | <b>-5.8%</b> | <b>12,810,570</b> | <b>261,440</b>      | <b>-4.9%</b> |
| <b>Total Traffic</b>                | <b>500,310</b> | <b>-2.5%</b> | <b>24,186,689</b> | <b>493,606</b>      | <b>-2.6%</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.

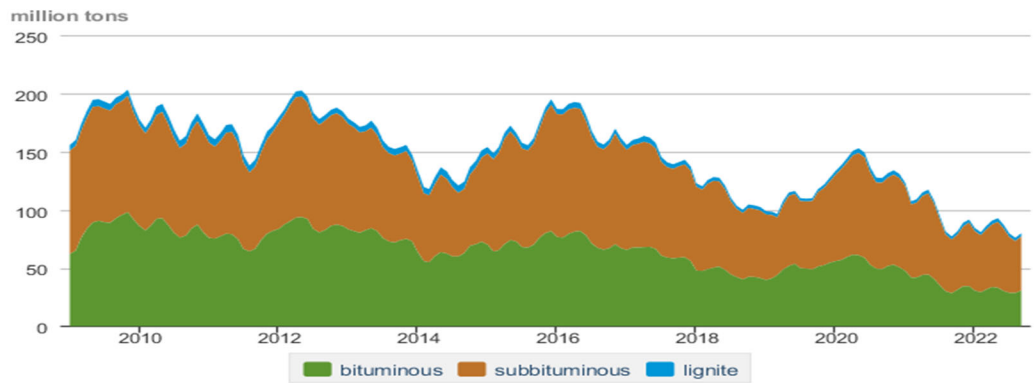
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

### 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>

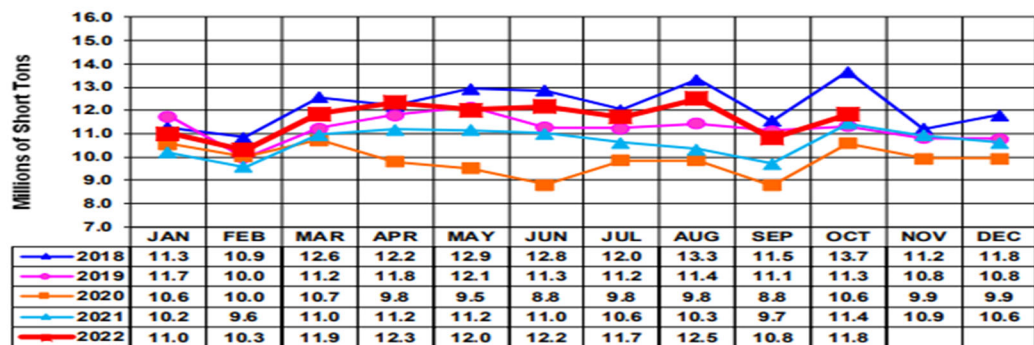
### Coal stocks by type, January 2009 - September 2022



eia Source: U.S. Energy Information Administration

Source: Energy Information Administration, Electric Monthly Update

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



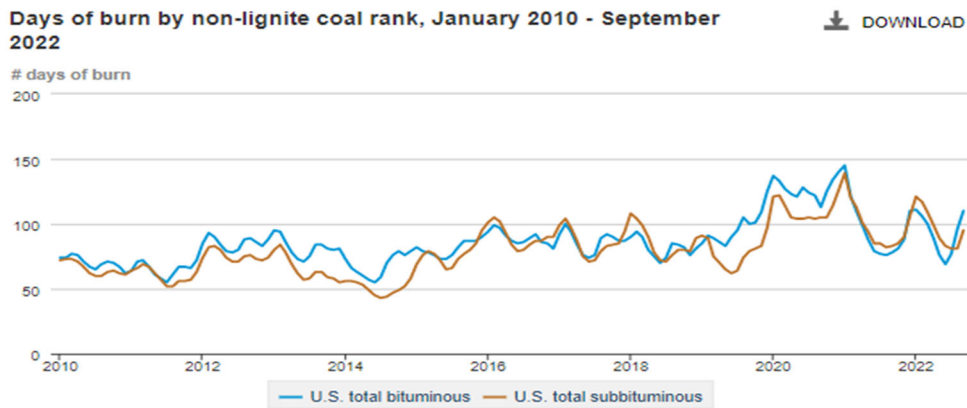
For the Internal U.S. Waterway Monthly Indicators, estimates for the most recent month are based on lock performance management data. The estimates will be superseded by actual data as it becomes available.

Source: Waterborne Commerce Statistics Center

Average weekly coal commodity spot prices  
dollars per short ton

|  | Week ending |          |          |          |          | Week ago |
|--|-------------|----------|----------|----------|----------|----------|
|  | 11/11/22    | 11/18/22 | 11/25/22 | 12/02/22 | 12/09/22 | change   |
| Central Appalachia<br>12,500 Btu, 1.2 SO <sub>2</sub>    | \$182.10    | \$187.70 | \$187.70 | \$193.45 | \$199.40 | \$5.95   |
| Northern Appalachia<br>13,000 Btu, < 3.0 SO <sub>2</sub> | \$185.80    | \$191.50 | \$191.50 | \$197.40 | \$203.45 | \$6.05   |
| Illinois Basin<br>11,800 Btu, 5.0 SO <sub>2</sub>        | \$186.50    | \$186.50 | \$186.50 | \$168.25 | \$168.25 | \$0.00   |
| Powder River Basin<br>8,800 Btu, 0.8 SO <sub>2</sub>     | \$17.15     | \$17.10  | \$17.10  | \$15.85  | \$15.60  | -\$0.25  |
| Uinta Basin<br>11,700 Btu, 0.8 SO <sub>2</sub>           | \$41.80     | \$41.65  | \$41.65  | \$41.50  | \$41.35  | -\$0.15  |

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



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

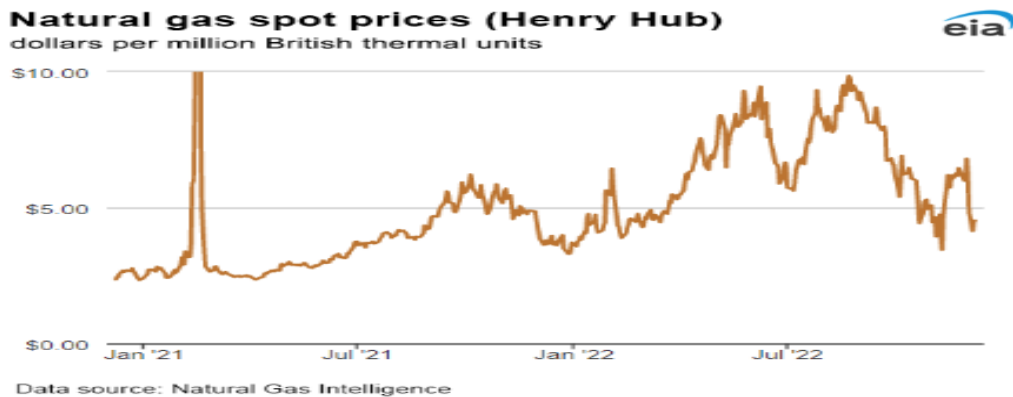
| Region          | Temperature – heating & cooling degree days (week ending Dec 01) |                       |                          |               |                       |                          |
|-----------------|--|-----------------------|--------------------------|---------------|-----------------------|--------------------------|
|                 | HDDs   |                       |                          | CDDs          |                       |                          |
|                 | Current total  | Deviation from normal | Deviation from last year | Current total | Deviation from normal | Deviation from last year |
| New England     | 172  | -22                   | -42                      | 0             | 0                     | 0                        |
| Middle Atlantic | 161  | -23                   | -35                      | 0             | 0                     | 0                        |
| E N Central     | 190  | -22                   | -23                      | 0             | 0                     | 0                        |
| W N Central     | 222  | -16                   | 33                       | 0             | 0                     | 0                        |
| South Atlantic  | 101  | -26                   | -42                      | 15            | 5                     | 11                       |
| E S Central     | 110  | -21                   | -37                      | 0             | -1                    | 0                        |
| W S Central     | 89   | -7                    | 10                       | 1             | -3                    | -1                       |
| Mountain        | 212  | 9                     | 70                       | 0             | 0                     | -1                       |
| Pacific         | 114  | 9                     | 62                       | 0             | -1                    | 0                        |
| United States   | 154  | -13                   | 2                        | 3             | 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*.

| 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

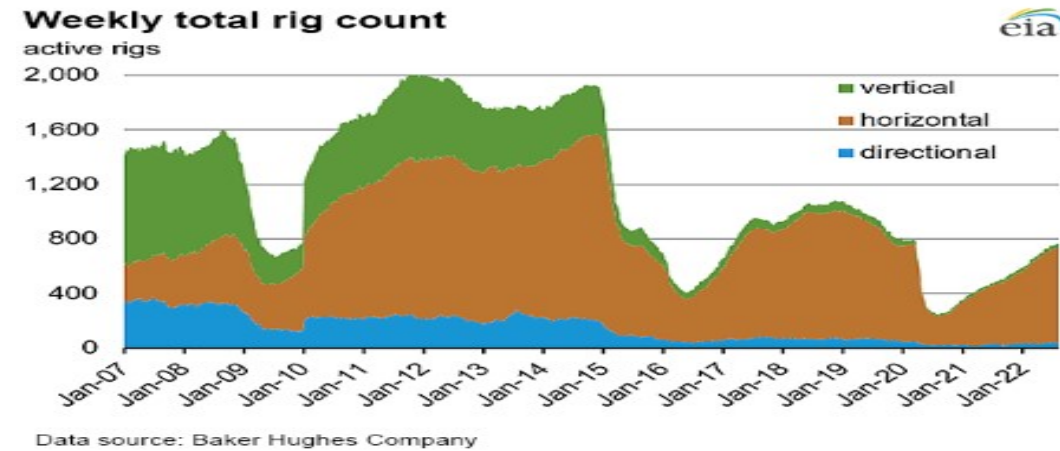
**Working gas in underground storage**

| Region        | Stocks<br>billion cubic feet (Bcf) |              |            |
|---------------|------------------------------------|--------------|------------|
|               | 2022-12-02                         | 2022-11-25   | change     |
| East          | 834                                | 840          | -6         |
| Midwest       | 1,028                              | 1,040        | -12        |
| Mountain      | 193                                | 197          | -4         |
| Pacific       | 217                                | 226          | -9         |
| South Central | 1,191                              | 1,181        | 10         |
| <b>Total</b>  | <b>3,462</b>                       | <b>3,483</b> | <b>-21</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<br>barrels/day |              |          | New-well gas production per rig<br>thousand cubic feet/day |              |              |                     |  |  |
|                             | December 2022                                  | January 2023 | change   | December 2022  | January 2023 | change       |                     |  |  |
| Anadarko                    | 697  | 698          | 1        | 3,857  | 3,903        | 46           |                     |  |  |
| Appalachia                  | 191  | 191          | -        | 25,981   | 25,591       | (390)        |                     |  |  |
| Bakken                      | 1,710  | 1,720        | 10       | 2,547  | 2,568        | 21           |                     |  |  |
| Eagle Ford                  | 1,522  | 1,507        | (15)     | 6,041  | 5,969        | (72)         |                     |  |  |
| Haynesville                 | 19   | 19           | -        | 10,760   | 10,738       | (22)         |                     |  |  |
| Niobrara                    | 1,388  | 1,381        | (7)      | 3,492  | 3,440        | (52)         |                     |  |  |
| Permian                     | 1,060  | 1,059        | (1)      | 2,089  | 2,066        | (23)         |                     |  |  |
| <b>Rig-weighted average</b> | <b>956</b>                                     | <b>958</b>   | <b>2</b> | <b>5,542</b>   | <b>5,441</b> | <b>(101)</b> |                     |  |  |

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

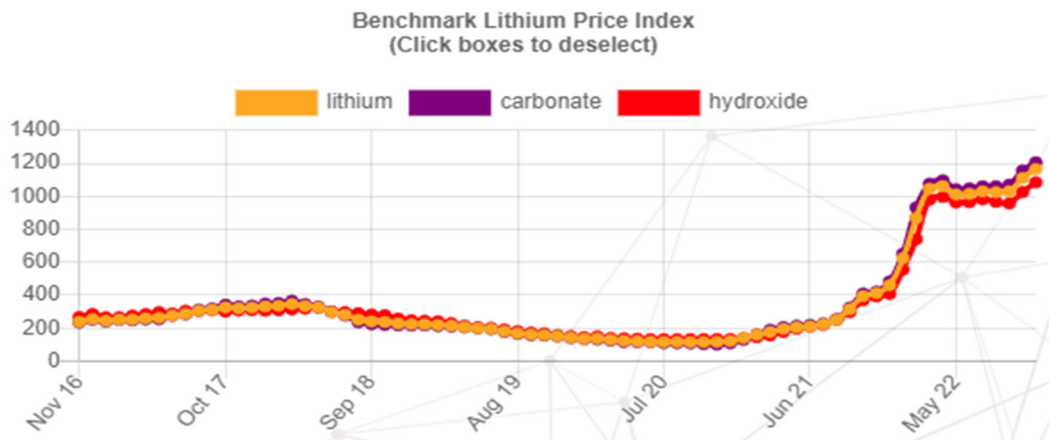
### Cobalt and Lithium Prices

#### 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/>