



# NATIONAL MINING ASSOCIATION

## WEEKLY STATISTICAL SUMMARY

**December 8, 2023 Edition**  
(Data for Week Ending December 2, 2023)

Prepared by  
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# NMA WEEKLY STATISTICAL SUMMARY

Vol. 61, No. 48 | Dated 12/08/23

## PRODUCTION, CONSUMPTION & TRADE

|  | Week Ended |          |       | * Cumulative Jan 1 to |           |       |
|--|------------|----------|-------|-----------------------|-----------|-------|
|  | 12/02/23   | 11/26/22 | % Chg | 12/02/23              | 12/02/22  | % Chg |
| EIA Coal Production (000 Tons):                  |            |          |       |                       |           |       |
| Week Ended/Year to Date                          | 11,624     | 10,563   | 10.0% | 537,929               | 552,030   | -2.6% |
| 52 Weeks Ended                                   | 590,341    | 595,292  | -0.8% |                       |           |       |
| <i>Note: the year 2022 has an extra Saturday</i> |            |          |       |                       |           |       |
| AAR Coal Rail Cars Loaded:                       | 68,492     | 61,740   | 10.9% | 3,165,809             | 3,179,226 | -0.4% |
| 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)

|               | October 23/22 |           | % Chg  | Jan - Oct 23/22 |            | % Chg  |
|---------------|---------------|-----------|--------|-----------------|------------|--------|
| Coal Exports: |               |           |        |                 |            |        |
| Metallurgical | 4,279         | 3,783     | 13.1%  | 42,881          | 38,913     | 10.2%  |
| Steam Bit. *  | 5,131         | 2,839     | 80.7%  | 39,522          | 31,278     | 26.4%  |
| Lignite       | 6             | 5         | 20.0%  | 80              | 65         | 23.1%  |
| Anthracite    | <u>41</u>     | <u>52</u> | -21.2% | <u>629</u>      | <u>386</u> | 63.0%  |
| Total         | 9,457         | 6,679     | 41.6%  | 83,112          | 70,642     | 17.7%  |
| Coal Imports: | 413           | 404       | 2.2%   | 3,442           | 5,332      | -35.4% |

|                                      | Week Ended |          |       | Cumulative Week 1 to |           |       |
|--------------------------------------|------------|----------|-------|----------------------|-----------|-------|
|                                      | 12/02/23   | 12/03/22 | % Chg | 12/02/23             | 12/03/22  | % Chg |
| EEl Electric Total Output (Mil. Kwh) | 77,956     | 75,205   | 3.7%  | 3,770,736            | 3,820,705 | -1.3% |
| EEl Coal Region Output (Mil. Kwh)    | 67,022     | 64,306   | 4.2%  | 3,275,879            | 3,314,813 | -1.2% |
| AISI Raw Steel Output (000 Tons)     | 1,702      | 1,589    | 7.1%  | 81,943               | 82,226    | -0.3% |

## 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) |          |
|---|-------------|----------|--------|------------------------------------|----------|
|   | 12/01/23    | 11/24/23 | % Chg  | Wed.                               | 11/29/23 |
| Central App, 12,500 Btu, 1.2 SO <sub>2</sub>      | \$74.00     | \$73.45  | 0.7%   | Henry Hub                          | 2.70     |
| Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>   | 51.00       | 53.65    | -4.9%  | New York                           | 2.49     |
| Illinois Basin, 11,800, 5.0 SO <sub>2</sub>       | 44.75       | 51.00    | -12.3% | Chicago                            | 2.55     |
| Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub> | 14.00       | 13.95    | 0.4%   | Cal.Comp.Avg.                      | 5.93     |
| Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>      | 28.50       | 29.75    | -4.2%  |                                    |          |

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 |                |             |
|   | 12/2/2023<br>(week 48) | 11/25/2023<br>(week 47) | 11/26/2022<br>(week 48) | 12/2/2023      | 12/2/2022      | % Change    | 12/2/2023      | 11/26/2022     | % Change    |
| Alabama   | 231                    | 212                     | 186                     | 10,920         | 9,719          | 12.4        | 11,843         | 10,260         | 15.4        |
| Alaska  | 23                     | 21                      | 21                      | 980            | 929            | 5.5         | 1,086          | 1,009          | 7.6         |
| Colorado  | 223                    | 199                     | 215                     | 10,649         | 11,937         | -10.8       | 11,714         | 13,003         | -9.9        |
| Illinois  | 726                    | 687                     | 647                     | 34,803         | 34,973         | -0.5        | 38,014         | 37,212         | 2.2         |
| Indiana   | 522                    | 498                     | 455                     | 23,079         | 21,757         | 6.1         | 25,338         | 23,128         | 9.6         |
| <b>Kentucky total</b>                                     | <b>581</b>             | <b>525</b>              | <b>516</b>              | <b>26,735</b>  | <b>26,418</b>  | <b>1.2</b>  | <b>29,297</b>  | <b>28,446</b>  | <b>3.0</b>  |
| Eastern (KY)  | 253                    | 233                     | 225                     | 11,583         | 11,152         | 3.9         | 12,698         | 11,957         | 6.2         |
| Western (KY)  | 327                    | 291                     | 292                     | 15,151         | 15,266         | -0.8        | 16,599         | 16,489         | 0.7         |
| Louisiana   | 6                      | 6                       | 6                       | 288            | 284            | 1.6         | 317            | 305            | 3.9         |
| Maryland  | 27                     | 26                      | 27                      | 1,233          | 1,348          | -8.5        | 1,369          | 1,430          | -4.3        |
| Mississippi   | 48                     | 47                      | 55                      | 2,266          | 3,148          | -28.0       | 2,541          | 3,351          | -24.2       |
| Missouri  | 2                      | 2                       | 2                       | 128            | 67             | 91.5        | 136            | 68             | 100.0       |
| Montana   | 541                    | 466                     | 471                     | 26,231         | 26,354         | -0.5        | 28,569         | 28,622         | -0.2        |
| New Mexico  | 165                    | 143                     | 166                     | 8,002          | 9,887          | -19.1       | 8,826          | 10,765         | -18.0       |
| North Dakota  | 483                    | 449                     | 442                     | 22,604         | 24,970         | -9.5        | 24,795         | 26,816         | -7.5        |
| Ohio  | 36                     | 33                      | 41                      | 1,742          | 2,327          | -25.2       | 1,947          | 2,558          | -23.9       |
| Oklahoma  | s                      | s                       | s                       | 2              | 2              | -4.6        | 2              | 2              | s           |
| <b>Pennsylvania total</b>                                 | <b>847</b>             | <b>747</b>              | <b>746</b>              | <b>38,880</b>  | <b>36,907</b>  | <b>5.3</b>  | <b>42,582</b>  | <b>39,844</b>  | <b>6.9</b>  |
| Anthracite (PA)   | 61                     | 52                      | 49                      | 2,692          | 2,292          | 17.4        | 2,933          | 2,471          | 18.7        |
| Bituminous (PA)   | 786                    | 694                     | 698                     | 36,188         | 34,614         | 4.5         | 39,650         | 37,372         | 6.1         |
| Tennessee   | .                      | .                       | .                       | .              | s              | -100.0      | .              | s              | .           |
| Texas   | 298                    | 277                     | 323                     | 13,046         | 15,796         | -17.4       | 14,648         | 17,252         | -15.1       |
| Utah  | 145                    | 129                     | 156                     | 6,631          | 10,100         | -34.3       | 7,407          | 11,073         | -33.1       |
| Virginia  | 232                    | 218                     | 208                     | 10,295         | 10,240         | 0.5         | 11,329         | 11,036         | 2.7         |
| <b>West Virginia total</b>                                | <b>1,711</b>           | <b>1,569</b>            | <b>1,487</b>            | <b>79,932</b>  | <b>77,647</b>  | <b>2.9</b>  | <b>87,311</b>  | <b>83,506</b>  | <b>4.6</b>  |
| Northern (WV)   | 915                    | 833                     | 837                     | 42,429         | 43,645         | -2.8        | 46,582         | 47,086         | -1.1        |
| Southern (WV)   | 796                    | 735                     | 650                     | 37,503         | 34,002         | 10.3        | 40,729         | 36,420         | 11.8        |
| Wyoming   | 4,776                  | 4,209                   | 4,391                   | 219,484        | 227,220        | -3.4        | 241,270        | 245,608        | -1.8        |
| <b>Appalachian total</b>                                  | <b>3,336</b>           | <b>3,037</b>            | <b>2,921</b>            | <b>154,585</b> | <b>149,341</b> | <b>3.5</b>  | <b>169,079</b> | <b>160,591</b> | <b>5.3</b>  |
| <b>Interior total</b>                                     | <b>1,931</b>           | <b>1,807</b>            | <b>1,780</b>            | <b>88,762</b>  | <b>91,292</b>  | <b>-2.8</b> | <b>97,595</b>  | <b>97,805</b>  | <b>-0.2</b> |
| <b>Western total</b>                                      | <b>6,357</b>           | <b>5,616</b>            | <b>5,862</b>            | <b>294,581</b> | <b>311,397</b> | <b>-5.4</b> | <b>323,667</b> | <b>336,895</b> | <b>-3.9</b> |
| <b>East of Mississippi River</b>                          | <b>4,960</b>           | <b>4,560</b>            | <b>4,371</b>            | <b>229,885</b> | <b>224,484</b> | <b>2.4</b>  | <b>251,571</b> | <b>240,771</b> | <b>4.5</b>  |
| <b>West of Mississippi River</b>                          | <b>6,664</b>           | <b>5,900</b>            | <b>6,192</b>            | <b>308,044</b> | <b>327,545</b> | <b>-6.0</b> | <b>338,770</b> | <b>354,521</b> | <b>-4.4</b> |
| Bituminous and lignite                                    | 11,564                 | 10,408                  | 10,514                  | 535,237        | 549,737        | -2.6        | 587,408        | 592,820        | -0.9        |
| Anthracite  | 61                     | 52                      | 49                      | 2,692          | 2,292          | 17.4        | 2,933          | 2,471          | 18.7        |
| <b>U.S. total</b>   | <b>11,624</b>          | <b>10,460</b>           | <b>10,563</b>           | <b>537,929</b> | <b>552,030</b> | <b>-2.6</b> | <b>590,341</b> | <b>595,292</b> | <b>-0.8</b> |
| Railroad cars loaded                                      | 68,492                 | 61,369                  | 61,740                  | 3,165,809      | 3,179,226      | -0.4        | 3,472,161      | 3,431,002      | 1.2         |

Source: Energy Information Administration



**Weekly Electric Output**

**Volume 91 No. 48**

**OUTPUT FOR WEEK ENDED - Dec 02, 2023**

**Dec 06, 2023**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Dec 02, 2023** was **77,956** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **194** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

|                     | Week Ended December 02 |  | 52 Weeks Ended December 02 |  |
|---------------------|------------------------|--|----------------------------|--|
|                     | GWh Output             | % Increase Over Corresponding Week of 2022 | GWh Output                 | % Increase Over Corresponding Period of 2022 |
| New England         | 2,212                  | 1.4  | 111,348                    | -3.7   |
| Mid-Atlantic        | 7,841                  | 3.6  | 404,651                    | -3.1   |
| Central Industrial  | 12,691                 | 3.5  | 639,091                    | -2.3   |
| West Central        | 6,691                  | 2.1  | 339,435                    | -0.4   |
| Southeast           | 19,058                 | 7.8  | 1,010,534                  | -1.7   |
| South Central       | 14,870                 | 4.0  | 865,178                    | 3.6  |
| Rocky Mountain      | 5,871                  | -1.1                                       | 294,338                    | -0.4   |
| Pacific Northwest   | 3,736                  | -1.3                                       | 160,485                    | -0.6   |
| Pacific Southwest   | 4,986                  | 1.1  | 267,871                    | -2.2   |
| Total United States | 77,956                 | 3.7  | 4,092,931                  | -0.7   |

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

| Week Ended    | 2023             | Week Ended    | 2022             | % Inc. (23/22) | 52 Weeks Ended                      | 2023      | % Inc. (23/22) |
|---------------|------------------|---------------|------------------|----------------|-------------------------------------|-----------|----------------|
| Nov 11        | 71,033           | Nov 12        | 70,667           | 0.5            | Nov 11                              | 4,098,249 | -0.4           |
| Nov 18        | 70,318           | Nov 19        | 76,644           | -8.3           | Nov 18                              | 4,091,924 | -0.7           |
| Nov 25        | 71,126           | Nov 26        | 72,870           | -2.4           | Nov 25                              | 4,090,181 | -0.7           |
| Dec 02        | 77,956           | Dec 03        | 75,205           | 3.7            | Dec 02                              | 4,092,931 | -0.7           |
| <b>Dec 02</b> | <b>3,770,736</b> | <b>Dec 03</b> | <b>3,820,705</b> | <b>-1.3</b>    | <b>YEAR TO DATE, FIRST 48 WEEKS</b> |           |                |

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

**SEASONALLY ADJUSTED 1982 = 100**

| Week Ended | 2023 | Week Ended | 2022 | Week Ended | 2021 |
|------------|------|------------|------|------------|------|
| Nov 11     | 183  | Nov 12     | 171  | Nov 13     | 166  |
| Nov 18     | 175  | Nov 19     | 188  | Nov 20     | 174  |
| Nov 25     | 179  | Nov 26     | 176  | Nov 27     | 172  |
| Dec 02     | 194  | Dec 03     | 175  | Dec 04     | 171  |

\* 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                 |                                |  |
|--|--------------------------------|--------------------------------|--|------------------------------------|--------------------------------|--|--------------------------------|--------------------------------|--|
|  | 2-Dec<br>2023<br>GWh<br>Output | 3-Dec<br>2022<br>GWh<br>Output | % Increase Over<br>Corresponding<br>Week | 2-Dec<br>2023<br>GWh<br>Output     | 3-Dec<br>2022<br>GWh<br>Output | % Increase Over<br>Corresponding<br>Week | 2-Dec<br>2023<br>GWh<br>Output | 3-Dec<br>2022<br>GWh<br>Output | % Increase Over<br>Corresponding<br>Week |
| <b>New England</b>                       | 2,212                          | 2,182                          | 1.4%                                     | <b>102,037</b>                     | <b>106,470</b>                 | <b>-4.2%</b>                             | 111,348                        | 115,652                        | -3.7%                                    |
| <b>Mid-Atlantic</b>                      | 7,841                          | 7,568                          | 3.6%                                     | <b>371,690</b>                     | <b>386,504</b>                 | <b>-3.8%</b>                             | 404,651                        | 417,582                        | -3.1%                                    |
| <b>Central Industrial</b>                | 12,691                         | 12,262                         | 3.5%                                     | <b>587,211</b>                     | <b>605,745</b>                 | <b>-3.1%</b>                             | 639,091                        | 654,075                        | -2.3%                                    |
| <b>West Central</b>                      | 6,691                          | 6,551                          | 2.1%                                     | <b>312,395</b>                     | <b>314,796</b>                 | <b>-0.8%</b>                             | 339,435                        | 340,811                        | -0.4%                                    |
| <b>Southeast</b>                         | 19,058                         | 17,686                         | 7.8%                                     | <b>929,211</b>                     | <b>955,229</b>                 | <b>-2.7%</b>                             | 1,010,534                      | 1,027,842                      | -1.7%                                    |
| <b>South Central</b>                     | 14,870                         | 14,303                         | 4.0%                                     | <b>804,146</b>                     | <b>779,506</b>                 | <b>3.2%</b>                              | 865,178                        | 834,747                        | 3.6%                                     |
| <b>Rocky Mountain</b>                    | 5,871                          | 5,936                          | -1.1%                                    | <b>271,227</b>                     | <b>273,033</b>                 | <b>-0.7%</b>                             | 294,338                        | 295,661                        | -0.4%                                    |
| <b>Pacific Northwest</b>                 | 3,736                          | 3,784                          | -1.3%                                    | <b>145,026</b>                     | <b>145,900</b>                 | <b>-0.6%</b>                             | 160,485                        | 161,433                        | -0.6%                                    |
| <b>Pacific Southwest</b>                 | 4,986                          | 4,933                          | 1.1%                                     | <b>247,793</b>                     | <b>253,522</b>                 | <b>-2.3%</b>                             | 267,871                        | 273,879                        | -2.2%                                    |
| <b>Total United States <sup>1/</sup></b> | <u>77,956</u>                  | <u>75,205</u>                  | 3.7%                                     | <u><b>3,770,735</b></u>            | <u><b>3,820,705</b></u>        | <b>-1.3%</b>                             | <u>4,092,931</u>               | <u>4,121,682</u>               | -0.7%                                    |
| <b>Coal Regions Only <sup>2/</sup></b>   | 67,022                         | 64,306                         | 4.2%                                     | <b>3,275,879</b>                   | <b>3,314,813</b>               | -1.2%                                    | 3,553,227                      | 3,570,718                      | -0.5%                                    |

**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.**

<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*.

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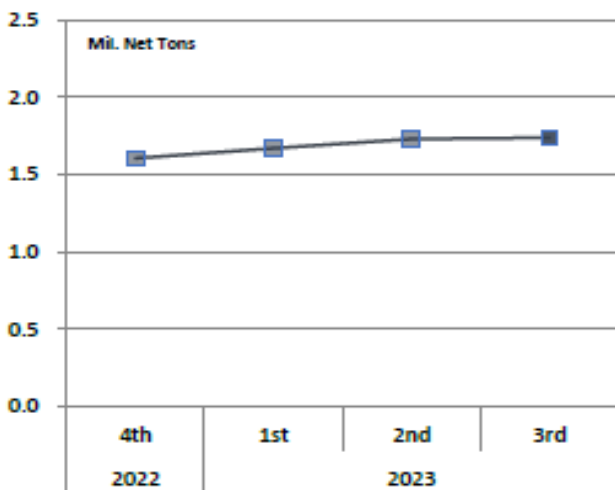
December 4, 2023

**ESTIMATED WEEKLY RAW STEEL \* PRODUCTION**

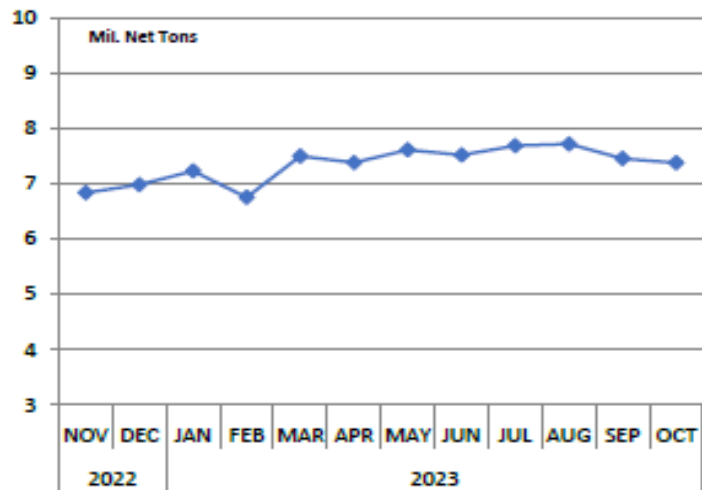
| <u>Period</u>                | <u>Thousand<br/>Net Tons</u> | <u>Percent<br/>Change from<br/>Previous<br/>Period</u> | <u>Percent<br/>Capability<br/>Utilization**</u> | <u>Production by District</u> |               |              |
|------------------------------|------------------------------|--|---|-------------------------------|---------------|--------------|
|                              |                              |  |   | <u>Week Ending</u>            |               |              |
|                              |                              |  |   | <u>Dec 2</u>                  | <u>Nov 25</u> |              |
| <b><u>Week Ending</u></b>    |                              |  |   | North East                    | 127           | 123          |
|                              |                              |  |   | Great Lakes                   | 551           | 553          |
| Dec 2, 2023                  | 1,702                        | 0.9  | 74.1  | Midwest                       | 188           | 177          |
| Dec 2, 2022                  | 1,589                        | 7.1  | 71.2  | Southern                      | 767           | 776          |
| Nov 25, 2023                 | 1,687                        | -0.5   | 73.4  | Western                       | 69            | 58           |
|                              |                              |  |   | <b>Total</b>                  | <b>1,702</b>  | <b>1,687</b> |
| <b><u>Year-to-Date +</u></b> |                              |  |   |                               |               |              |
| Dec 2, 2023                  | 81,943                       | -0.3   | 75.5  |                               |               |              |
| Dec 2, 2022                  | 82,226                       | -  | 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](http://www.kitco.com/connecting.html)

**U.S. Rail Traffic<sup>1</sup>**  
**Week 48, 2023 – Ended December 2, 2023**

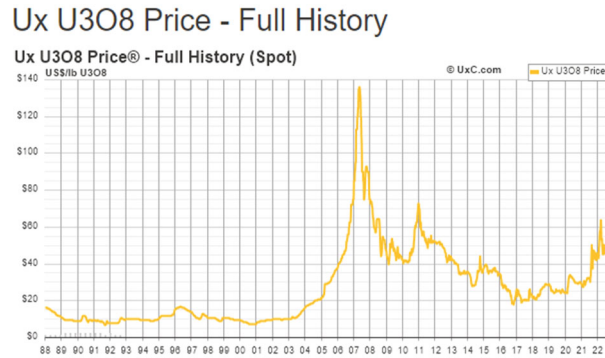
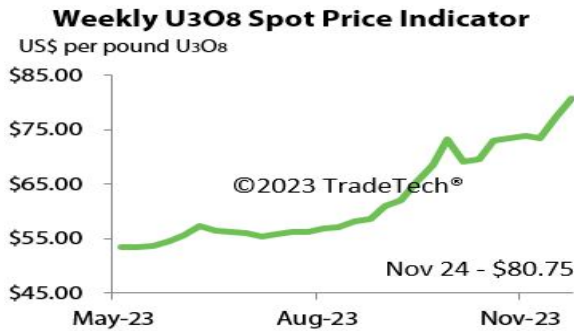
|                                     | This Week      |             | Year-To-Date      |                     |              |
|-------------------------------------|----------------|-------------|-------------------|---------------------|--------------|
|                                     | Cars           | vs 2022     | Cumulative        | Avg/wk <sup>2</sup> | vs 2022      |
| <b>Total Carloads</b>               | <b>237,049</b> | <b>1.4%</b> | <b>10,824,994</b> | <b>225,521</b>      | <b>0.2%</b>  |
| Chemicals                           | 33,692         | 25.6%       | 1,493,007         | 31,104              | -1.3%        |
| Coal                                | 68,492         | -0.9%       | 3,165,792         | 65,954              | -0.5%        |
| Farm Products excl. Grain, and Food | 16,902         | -2.8%       | 779,165           | 16,233              | 1.1%         |
| Forest Products                     | 8,941          | 2.5%        | 389,461           | 8,114               | -6.0%        |
| Grain                               | 23,425         | -5.2%       | 900,178           | 18,754              | -11.2%       |
| Metallic Ores and Metals            | 21,843         | 3.9%        | 992,945           | 20,686              | 4.6%         |
| Motor Vehicles and Parts            | 16,209         | 7.8%        | 717,381           | 14,945              | 12.1%        |
| Nonmetallic Minerals                | 29,043         | -9.8%       | 1,522,653         | 31,722              | 2.2%         |
| Petroleum and Petroleum Products    | 10,902         | 14.7%       | 458,181           | 9,545               | 10.8%        |
| Other                               | 7,600          | -18.6%      | 406,231           | 8,463               | -3.1%        |
| <b>Total Intermodal Units</b>       | <b>272,577</b> | <b>8.2%</b> | <b>11,684,971</b> | <b>243,437</b>      | <b>-6.0%</b> |
| <b>Total Traffic</b>                | <b>509,626</b> | <b>4.9%</b> | <b>22,509,965</b> | <b>468,958</b>      | <b>-3.1%</b> |

<sup>1</sup> Excludes U.S. operations of CPKC, 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



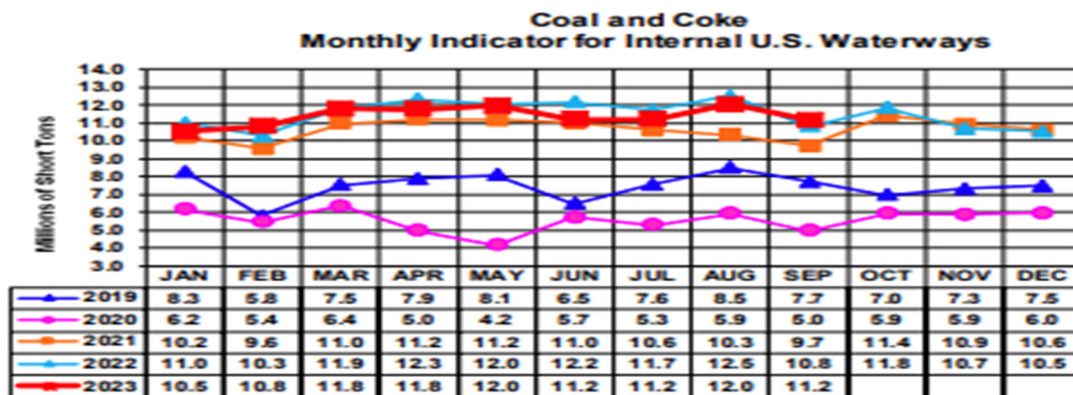
Sources: Trade Tech, Uranium Info Website – [www.uranium.info](http://www.uranium.info) ; Source: Ux Consulting Co., LLC – <http://www.uxc.com>

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

| Zone       | Coal          | September 2023     |              | September 2022     |              |                    | August 2023        |              |                    |
|------------|---------------|--------------------|--------------|--------------------|--------------|--------------------|--------------------|--------------|--------------------|
|            |               | Stocks (1000 tons) | Days of Burn | Stocks (1000 tons) | Days of Burn | % Change of Stocks | Stocks (1000 tons) | Days of Burn | % Change of Stocks |
| Northeast  | Bituminous    | 2,163              | 279          | 1,925              | 365          | 12.4%              | 2,260              | 316          | -4.3%              |
|            | Subbituminous |                    |              |                    |              |                    |                    |              |                    |
| South      | Bituminous    | 17,603             | 136          | 12,476             | 108          | 41.1%              | 18,921             | 145          | -7.0%              |
|            | Subbituminous | 5,594              | 105          | 3,584              | 63           | 56.1%              | 5,474              | 99           | 2.2%               |
| Midwest    | Bituminous    | 12,737             | 146          | 7,247              | 87           | 75.8%              | 12,761             | 137          | -0.2%              |
|            | Subbituminous | 29,159             | 156          | 17,096             | 111          | 70.6%              | 29,140             | 155          | 0.1%               |
| West       | Bituminous    | 2,647              | 150          | 3,029              | 163          | -12.6%             | 2,807              | 148          | -5.7%              |
|            | Subbituminous | 29,320             | 166          | 15,536             | 93           | 88.7%              | 28,359             | 155          | 3.4%               |
| U.S. Total | Bituminous    | 35,150             | 143          | 24,678             | 110          | 42.4%              | 36,749             | 147          | -4.4%              |
|            | Subbituminous | 64,073             | 152          | 36,216             | 97           | 76.9%              | 62,973             | 148          | 1.7%               |

Source: U.S. Energy Information Administration

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

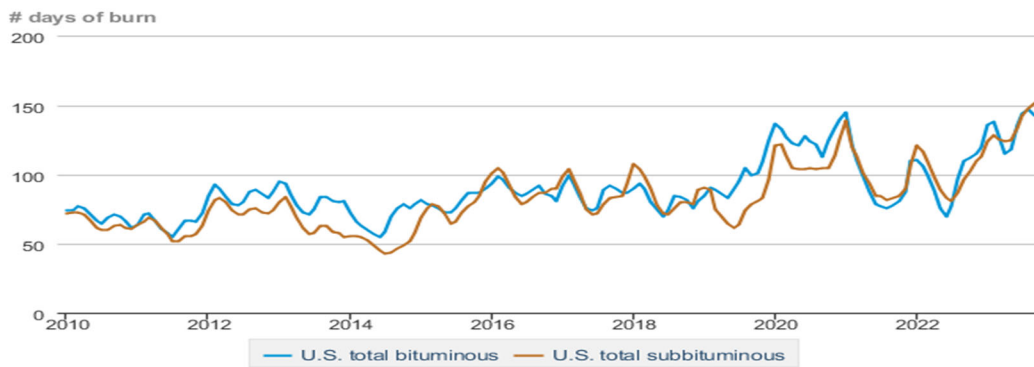
**Average weekly coal commodity spot prices**  
dollars per short ton

|  | Week ending |          |          |          |          | Week ago |
|--|-------------|----------|----------|----------|----------|----------|
|  | 11/03/23    | 11/10/23 | 11/17/23 | 11/24/23 | 12/01/23 | change   |
| Central Appalachia<br>12,500 Btu, 1.2 SO <sub>2</sub>    | \$71.25     | \$71.25  | \$73.45  | \$73.45  | \$74.00  | \$0.55   |
| Northern Appalachia<br>13,000 Btu, < 3.0 SO <sub>2</sub> | \$52.05     | \$52.05  | \$53.65  | \$53.65  | \$51.00  | -\$2.65  |
| Illinois Basin<br>11,800 Btu, 5.0 SO <sub>2</sub>        | \$51.00     | \$51.00  | \$51.00  | \$51.00  | \$44.75  | -\$6.25  |
| Powder River Basin<br>8,800 Btu, 0.8 SO <sub>2</sub>     | \$14.00     | \$14.00  | \$13.95  | \$13.95  | \$14.00  | \$0.05   |
| Uinta Basin<br>11,700 Btu, 0.8 SO <sub>2</sub>           | \$29.85     | \$29.85  | \$29.75  | \$29.75  | \$28.50  | -\$1.25  |

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 - September 2023**



 Data source: U.S. Energy Information Administration

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

| Region          | Temperature – heating & cooling degree days (week ending Nov 23) |                       |                          |               |                       |                          |
|-----------------|--|-----------------------|--------------------------|---------------|-----------------------|--------------------------|
|                 | HDDs   |                       |                          | CDDs          |                       |                          |
|                 | Current total  | Deviation from normal | Deviation from last year | Current total | Deviation from normal | Deviation from last year |
| New England     | 177  | 3                     | -37                      | 0             | 0                     | 0                        |
| Middle Atlantic | 160  | -5                    | -53                      | 0             | 0                     | 0                        |
| E N Central     | 171  | -19                   | -75                      | 0             | 0                     | 0                        |
| W N Central     | 178  | -34                   | -77                      | 0             | 0                     | 0                        |
| South Atlantic  | 90   | -21                   | -73                      | 12            | 1                     | 5                        |
| E S Central     | 97   | -19                   | -90                      | 0             | -1                    | 0                        |
| W S Central     | 70   | -10                   | -76                      | 6             | 1                     | 6                        |
| Mountain        | 161  | -24                   | -64                      | 1             | 1                     | 1                        |
| Pacific         | 76   | -19                   | -19                      | 0             | -1                    | 0                        |
| United States   | 131  | -17                   | -61                      | 3             | 0                     | 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

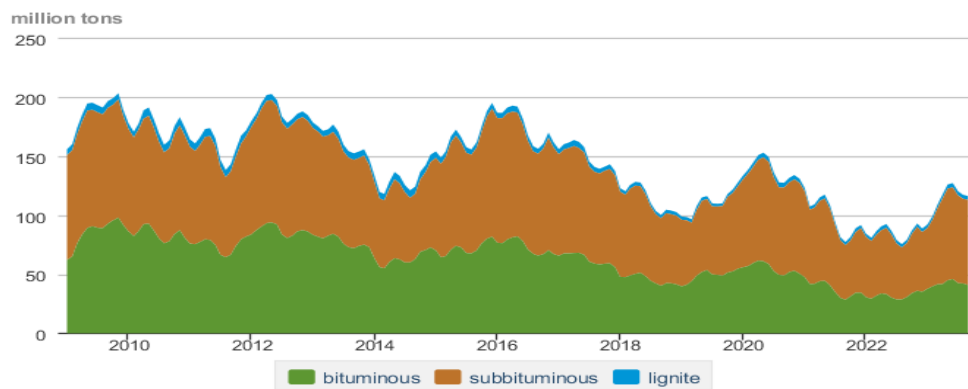
**Natural gas spot prices (Henry Hub)**  
dollars per million British thermal units



Data source: Natural Gas Intelligence

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

**Coal stocks by type, January 2009 - September 2023**



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)                                   | 12/5/23  | \$15.15    |
| Copper Spot Price (\$/lb)                                   | 12/6/23  | \$3.72     |
| Gold Spot Price (\$/ounce)                                  | 12/6/23  | \$2,030.53 |
| Lead Spot Price (\$/lb)                                     | 12/5/23  | \$0.91     |
| Lithium Spot Price (\$/kg)                                  | 12/6/23  | \$14.45    |
| Molybdenum Spot Price (\$/kg)                               | 12/5/23  | \$55.63    |
| Nickel Spot Price (\$/lb)                                   | 12/5/23  | \$7.23     |
| Silver Spot Price (\$/ounce)                                | 12/6/23  | \$23.97    |
| Steel HRC Price (\$/mt)                                     | 12/6/23  | \$1,109.10 |
| Steel Rebar Price (\$/mt)                                   | 12/6/23  | \$542.47   |
| Zinc Spot Price (\$/lb)                                     | 12/6/23  | \$1.09     |
| Energy Prices   | Date     | Price      |
| Coal Price - Australian Premium Coking Coal Futures (\$/mt) | 12/5/23  | \$332.33   |
| Coal Spot Price - Central Appalachian (\$/st)               | 12/1/23  | \$74.00    |
| Coal Spot Price - Newcastle futures (\$/mt)                 | 12/6/23  | \$133.59   |
| Coal Spot Price - Rotterdam futures (\$/mt)                 | 12/6/23  | \$120.00   |
| Natural Gas Spot Price - Henry Hub (\$/mmbtu)               | 11/29/23 | \$2.70     |
| Uranium Spot Price (\$/lb)                                  | 11/27/23 | \$81.00    |

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<br>billion cubic feet (Bcf) |            |        |
|---------------|------------------------------------|------------|--------|
|               | 2023-11-24                         | 2023-11-17 | change |
| East          | 915                                | 918        | -3     |
| Midwest       | 1,111                              | 1,118      | -7     |
| Mountain      | 252                                | 255        | -3     |
| Pacific       | 298                                | 296        | 2      |
| South Central | 1,260                              | 1,240      | 20     |
| Total         | 3,836                              | 3,826      | 10     |

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<br>barrels/day |               |        | New-well gas production per rig<br>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

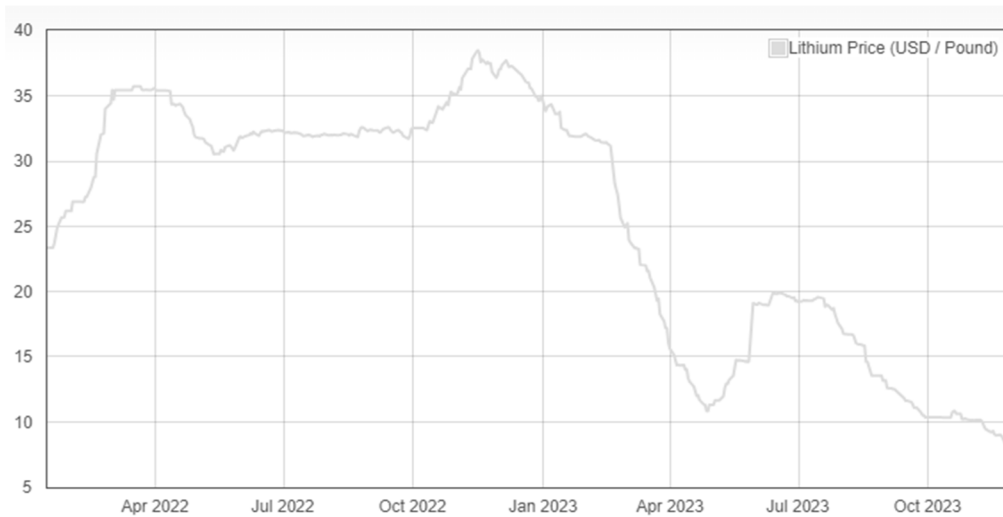
### Cobalt and Lithium Prices

#### 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>