

# National Mining Association

## Weekly Statistical Summary

---

March 15, 2019 Edition  
(Data for Week Ending March 9, 2019)

Prepared by  
National Mining Association



Suite 500 East, 101 Constitution Avenue, NW  
Washington, DC, 20001  
Phone (202) 463-2600  
Visit us at <http://www.nma.org>

# NMA Weekly Statistical Summary

Vol. 57, No. 10  
Dated 03/15/19

## PRODUCTION, CONSUMPTION & TRADE

|  | Week Ended        |                 |               | * Cumulative Jan 1 to       |                 |               |
|--|-------------------|-----------------|---------------|-----------------------------|-----------------|---------------|
|  | 03/09/19          | 03/10/18        | % Chng        | 03/09/19                    | 03/09/18        | % Chng        |
| <b>EIA Coal Production (000 Tons):</b>     |                   |                 |               |                             |                 |               |
| Week Ended/Year to Date                    | 13,161            | 14,557          | -9.6%         | 134,564                     | 141,216         | -4.7%         |
| 52 Weeks Ended                             | 745,161           | 761,463         | -2.1%         |                             |                 |               |
| AAR Coal Rail Cars Loaded:                 | 76,562            | 83,696          | -8.5%         | 782,491                     | 813,533         | -3.8%         |
| Coal Production<br>Month Ended - Feb.      | <b>Feb 19/18</b>  |                 | <b>% Chng</b> | <b>Jan - Feb 19/18</b>      |                 | <b>% Chng</b> |
|  | 55,140            | 60,235          | -8.5%         | 117,618                     | 122,172         | -3.7%         |
| <b>DOC Coal Trade (000 Tons)</b>           |                   |                 |               |                             |                 |               |
| <b>Exports:</b>                            | <b>Dec 18/17</b>  |                 | <b>% Chng</b> | <b>Jan - Dec 18/17</b>      |                 | <b>% Chng</b> |
| Metallurgical                              | 4,914             | 5,022           | -2.2%         | 61,513                      | 55,255          | 11.3%         |
| Steam *                                    | 3,995             | 4,433           | -9.9%         | 53,831                      | 41,383          | 30.1%         |
| Lignite                                    | 8                 | 7               | 14.3%         | 86                          | 78              | 10.3%         |
| Anthracite                                 | 4                 | 37              | -89.2%        | 254                         | 293             | -13.3%        |
| <b>Total</b>                               | 8,921             | 9,499           | -6.1%         | 115,684                     | 97,009          | 19.3%         |
| <b>Imports:</b>                            | 898               | 408             | 120.1%        | 5,954                       | 7,777           | -23.4%        |
|  | <b>Week Ended</b> |                 |               | <b>Cumulative Week 1 to</b> |                 |               |
|  | <b>03/09/19</b>   | <b>03/10/18</b> | <b>% Chng</b> | <b>03/09/19</b>             | <b>03/10/18</b> | <b>% Chng</b> |
| <b>EI Electric Total Output (Mil. Kwh)</b> | 81,453            | 73,613          | 10.7%         | 786,880                     | 790,238         | -0.4%         |
| <b>EI Coal Region Output (Mil. Kwh)</b>    | 70,438            | 63,189          | 11.5%         | 677,079                     | 681,435         | -0.6%         |
| <b>AISI Raw Steel Output (000 Tons)</b>    | 1,941             | 1,826           | 6.3%          | 18,380                      | 17,209          | 6.8%          |

## EIA (SNL ENERGY) AVERAGE COAL & NATURAL GAS SPOT PRICES Dollars Per Short Ton

| Average Coal Spot Prices<br>(\$/Short Ton)        | Week Ending |          |        | Natural Gas Spot Prices (\$/MMBtu) |          |
|---|-------------|----------|--------|------------------------------------|----------|
|   | 03/08/19    | 03/01/19 | % Chng | Wed.                               | 03/06/19 |
| Central App, 12,500 Btu, 1.2 SO <sub>2</sub>      | \$81.95     | \$81.95  | 0.0%   | Henry Hub                          | 2.94     |
| Northern App, 13,000 Btu, < 3.0 SO <sub>2</sub>   | 70.05       | 70.05    | 0.0%   | New York                           | 3.10     |
| Illinois Basin, 11,800, 5.0 SO <sub>2</sub>       | 38.20       | 38.20    | 0.0%   | Chicago                            | 2.98     |
| Powder River Basin, 8,800 Btu 0.8 SO <sub>2</sub> | 11.85       | 11.85    | 0.0%   | Cal.Comp.Avg.                      | 3.87     |
| Uinta Basin, 11,700 Btu, 0.8 SO <sub>2</sub>      | 39.35       | 39.35    | 0.0%   |                                    |          |

Coal exports and Imports are "as reported" (not revised); \*Steam excludes lignite & anthracite. All data in this report are preliminary and subject to revision. r/ revised.

Sources: EIA; Edison Electric Institute; American Iron & Steel Institute; Association of American Railroads; Dept. of Commerce; SNL Energy; NGI's Daily Gas Price Index



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

| Coal-Producing Region & State<br>(thousand short tons) | Week Ended            |                      |                        | Year to Date   |                |             | 52 Weeks Ended |                |             |
|--|-----------------------|----------------------|------------------------|----------------|----------------|-------------|----------------|----------------|-------------|
|  | 3/9/2019<br>(week 10) | 3/2/2019<br>(week 9) | 3/10/2018<br>(week 10) | 3/9/2019       | 3/9/2018       | % Change    | 3/9/2019       | 3/10/2018      | % Change    |
| Alabama  | 286                   | 289                  | 303                    | 2,903          | 2,935          | -1.1        | 14,612         | 13,176         | 10.9        |
| Alaska   | 14                    | 16                   | 18                     | 154            | 177            | -13.3       | 859            | 933            | -7.9        |
| Arizona  | 127                   | 129                  | 118                    | 1,285          | 1,149          | 11.8        | 6,850          | 6,064          | 13.0        |
| Arkansas   | .                     | .                    | .                      | .              | .              | .           | .              | 22             | .           |
| Colorado   | 248                   | 248                  | 254                    | 2,481          | 2,465          | 0.7         | 13,922         | 14,545         | -4.3        |
| Illinois   | 876                   | 898                  | 979                    | 8,996          | 9,499          | -5.3        | 48,363         | 47,903         | 1.0         |
| Indiana  | 643                   | 645                  | 657                    | 6,502          | 6,375          | 2.0         | 34,102         | 31,286         | 9.0         |
| <b>Kentucky Total</b>                                  | <b>690</b>            | <b>709</b>           | <b>794</b>             | <b>7,084</b>   | <b>7,698</b>   | <b>-8.0</b> | <b>38,731</b>  | <b>40,529</b>  | <b>-4.4</b> |
| Eastern (KY)   | 309                   | 319                  | 347                    | 3,176          | 3,365          | -5.6        | 17,247         | 17,890         | -3.6        |
| Western (KY)   | 381                   | 390                  | 447                    | 3,908          | 4,333          | -9.8        | 21,484         | 22,639         | -5.1        |
| Louisiana  | 23                    | 21                   | 18                     | 212            | 174            | 21.8        | 1,504          | 1,498          | 0.4         |
| Maryland   | 19                    | 21                   | 29                     | 204            | 285            | -28.6       | 1,179          | 1,721          | -31.5       |
| Mississippi  | 54                    | 52                   | 50                     | 531            | 482            | 10.3        | 2,848          | 2,505          | 13.7        |
| Missouri   | 5                     | 5                    | 5                      | 48             | 48             | -0.1        | 257            | 246            | 4.5         |
| Montana  | 694                   | 714                  | 703                    | 7,107          | 6,818          | 4.2         | 38,518         | 36,400         | 5.8         |
| New Mexico   | 117                   | 123                  | 157                    | 1,196          | 1,523          | -21.5       | 8,519          | 12,442         | -31.5       |
| North Dakota   | 541                   | 556                  | 584                    | 5,529          | 5,669          | -2.5        | 29,847         | 28,799         | 3.6         |
| Ohio   | 139                   | 156                  | 190                    | 1,523          | 1,844          | -17.4       | 8,495          | 9,567          | -11.2       |
| Oklahoma   | 17                    | 15                   | 10                     | 157            | 98             | 59.1        | 838            | 565            | 48.3        |
| <b>Pennsylvania Total</b>                              | <b>915</b>            | <b>911</b>           | <b>929</b>             | <b>9,168</b>   | <b>9,009</b>   | <b>1.8</b>  | <b>49,197</b>  | <b>48,279</b>  | <b>1.9</b>  |
| Anthracite (PA)  | 31                    | 33                   | 33                     | 328            | 322            | 1.8         | 1,841          | 1,831          | 0.5         |
| Bituminous (PA)  | 884                   | 878                  | 895                    | 8,841          | 8,687          | 1.8         | 47,356         | 46,448         | 2.0         |
| Tennessee  | 3                     | 3                    | 4                      | 32             | 43             | -25.4       | 190            | 354            | -46.3       |
| Texas  | 401                   | 422                  | 470                    | 4,110          | 4,564          | -9.9        | 26,284         | 34,060         | -22.8       |
| Utah   | 243                   | 263                  | 282                    | 2,575          | 2,735          | -5.9        | 13,850         | 14,305         | -3.2        |
| Virginia   | 218                   | 226                  | 260                    | 2,259          | 2,523          | -10.5       | 12,503         | 13,297         | -6.0        |
| <b>West Virginia Total</b>                             | <b>1,766</b>          | <b>1,819</b>         | <b>1,816</b>           | <b>18,210</b>  | <b>17,618</b>  | <b>3.4</b>  | <b>97,169</b>  | <b>91,961</b>  | <b>5.7</b>  |
| Northern (WV)  | 825                   | 841                  | 860                    | 8,378          | 8,347          | 0.4         | 45,635         | 45,167         | 1.0         |
| Southern (WV)  | 940                   | 979                  | 956                    | 9,832          | 9,270          | 6.1         | 51,534         | 46,794         | 10.1        |
| Wyoming  | 5,123                 | 5,271                | 5,926                  | 52,301         | 57,487         | -9.0        | 296,523        | 311,006        | -4.7        |
| <b>Appalachian Total</b>                               | <b>3,654</b>          | <b>3,745</b>         | <b>3,878</b>           | <b>37,474</b>  | <b>37,620</b>  | <b>-0.4</b> | <b>200,592</b> | <b>196,246</b> | <b>2.2</b>  |
| <b>Interior Total</b>                                  | <b>2,400</b>          | <b>2,449</b>         | <b>2,636</b>           | <b>24,464</b>  | <b>25,574</b>  | <b>-4.3</b> | <b>135,681</b> | <b>140,723</b> | <b>-3.6</b> |
| <b>Western Total</b>                                   | <b>7,107</b>          | <b>7,319</b>         | <b>8,043</b>           | <b>72,626</b>  | <b>78,022</b>  | <b>-6.9</b> | <b>408,888</b> | <b>424,494</b> | <b>-3.7</b> |
| <b>East of Mississippi River</b>                       | <b>5,609</b>          | <b>5,730</b>         | <b>6,011</b>           | <b>57,411</b>  | <b>58,310</b>  | <b>-1.5</b> | <b>307,389</b> | <b>300,578</b> | <b>2.3</b>  |
| <b>West of Mississippi River</b>                       | <b>7,553</b>          | <b>7,783</b>         | <b>8,546</b>           | <b>77,153</b>  | <b>82,907</b>  | <b>-6.9</b> | <b>437,772</b> | <b>460,885</b> | <b>-5.0</b> |
| Bituminous and Lignite                                 | 13,130                | 13,480               | 14,524                 | 134,236        | 140,894        | -4.7        | 743,320        | 759,632        | -2.1        |
| Anthracite   | 31                    | 33                   | 33                     | 328            | 322            | 1.8         | 1,841          | 1,831          | 0.5         |
| <b>U.S. Total</b>                                      | <b>13,161</b>         | <b>13,513</b>        | <b>14,557</b>          | <b>134,564</b> | <b>141,216</b> | <b>-4.7</b> | <b>745,161</b> | <b>761,463</b> | <b>-2.1</b> |
| Railroad Cars Loaded                                   | 76,562                | 78,596               | 83,696                 | 782,491        | 813,533        | -3.8        | 4,374,621      | 4,394,098      | -0.4        |

Source: Energy Information Administration



# Weekly Electric Output

Volume 87 No. 10

**OUTPUT FOR WEEK ENDED - Mar 09, 2019**

**Mar 13, 2019**

The net available amount of electric energy distributed by the Total Electric Utility Industry\* for the week ended Saturday, **Mar 09, 2019** was **81,453** gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to **191** on the weekly electric output index.

**WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**

(48 CONTIGUOUS STATES)

|                     | Week Ended March 09 |  | 52 Weeks Ended March 09 |  |
|---------------------|---------------------|--|-------------------------|--|
|                     | GWh Output          | % Increase Over Corresponding Week of 2018 | GWh Output              | % Increase Over Corresponding Period of 2018 |
| New England         | 2,394               | 5.8  | 122,094                 | 0.8  |
| Mid-Atlantic        | 8,748               | 7.9  | 440,769                 | 2.6  |
| Central Industrial  | 14,216              | 10.2                                       | 685,115                 | 3.0  |
| West Central        | 6,651               | 12.9                                       | 338,820                 | 2.8  |
| Southeast           | 21,299              | 11.2                                       | 1,044,683               | 1.3  |
| South Central       | 14,551              | 18.3                                       | 761,812                 | 3.1  |
| Rocky Mountain      | 4,973               | 2.7  | 283,360                 | 2.1  |
| Pacific Northwest   | 3,851               | 13.5                                       | 157,821                 | 0.4  |
| Pacific Southwest   | 4,770               | 0.0  | 275,893                 | -2.2   |
| Total United States | 81,453              | 10.7                                       | 4,110,367               | 1.9  |

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

| Week Ended    | 2019           | Week Ended    | 2018           | % Inc. (19/18) | 52 Weeks Ended                      | 2019      | % Inc. (19/18) |
|---------------|----------------|---------------|----------------|----------------|-------------------------------------|-----------|----------------|
| Feb 16        | 77,789         | Feb 17        | 75,312         | 3.3            | Feb 16                              | 4,093,178 | 1.7            |
| Feb 23        | 78,684         | Feb 24        | 73,792         | 6.6            | Feb 23                              | 4,098,069 | 1.7            |
| Mar 02        | 76,183         | Mar 03        | 71,725         | 6.2            | Mar 02                              | 4,102,527 | 1.8            |
| Mar 09        | 81,453         | Mar 10        | 73,613         | 10.7           | Mar 09                              | 4,110,367 | 1.9            |
| <b>Mar 09</b> | <b>786,880</b> | <b>Mar 10</b> | <b>790,238</b> | <b>-0.4</b>    | <b>YEAR TO DATE, FIRST 10 WEEKS</b> |           |                |

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

SEASONALLY ADJUSTED 1982 = 100

| Week Ended | 2019 | Week Ended | 2018 | Week Ended | 2017 |
|------------|------|------------|------|------------|------|
| Feb 16     | 175  | Feb 17     | 161  | Feb 18     | 154  |
| Feb 23     | 180  | Feb 24     | 160  | Feb 25     | 148  |
| Mar 02     | 177  | Mar 03     | 166  | Mar 04     | 155  |
| Mar 09     | 191  | Mar 10     | 172  | Mar 11     | 156  |

\* Excludes Alaska and Hawaii.

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

Copyright © 2019 Edison Electric Institute. All rights reserved.

**EEl WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION**  
**(48 CONTIGUOUS STATES)**

|  | Week Ended                     |                                 |  | NMA CUMULATIVE JANUARY WEEK ONE TO |                                 |  | 52 Weeks Ended                 |                                 |  |
|--|--------------------------------|---------------------------------|--|------------------------------------|---------------------------------|--|--------------------------------|---------------------------------|--|
|  | 9-Mar<br>2019<br>GWh<br>Output | 10-Mar<br>2018<br>GWh<br>Output | % Increase Over<br>Corresponding<br>Week of 2018 | 9-Mar<br>2019<br>GWh<br>Output     | 10-Mar<br>2018<br>GWh<br>Output | % Increase Over<br>Corresponding<br>Week of 2018 | 9-Mar<br>2019<br>GWh<br>Output | 10-Mar<br>2018<br>GWh<br>Output | % Increase Over<br>Corresponding<br>Week of 2018 |
| <b>New England</b>                       | 2,394                          | 2,262                           | 5.8%   | <b>24,317</b>                      | <b>24,432</b>                   | <b>-0.5%</b>                                     | 122,094                        | 121,133                         | 0.8%   |
| <b>Mid-Atlantic</b>                      | 8,748                          | 8,111                           | 7.9%   | <b>87,011</b>                      | <b>86,643</b>                   | <b>0.4%</b>                                      | 440,769                        | 429,666                         | 2.6%   |
| <b>Central Industrial</b>                | 14,216                         | 12,901                          | 10.2%  | <b>137,240</b>                     | <b>136,706</b>                  | <b>0.4%</b>                                      | 685,115                        | 665,343                         | 3.0%   |
| <b>West Central</b>                      | 6,651                          | 5,889                           | 12.9%  | <b>66,013</b>                      | <b>65,085</b>                   | <b>1.4%</b>                                      | 338,820                        | 329,527                         | 2.8%   |
| <b>Southeast</b>                         | 21,299                         | 19,148                          | 11.2%  | <b>198,374</b>                     | <b>205,592</b>                  | <b>-3.5%</b>                                     | 1,044,683                      | 1,031,761                       | 1.3%   |
| <b>South Central</b>                     | 14,551                         | 12,299                          | 18.3%  | <b>135,103</b>                     | <b>136,233</b>                  | <b>-0.8%</b>                                     | 761,812                        | 739,043                         | 3.1%   |
| <b>Rocky Mountain</b>                    | 4,973                          | 4,841                           | 2.7%   | <b>53,338</b>                      | <b>51,176</b>                   | <b>4.2%</b>                                      | 283,360                        | 277,408                         | 2.1%   |
| <b>Pacific Northwest</b>                 | 3,851                          | 3,393                           | 13.5%  | <b>37,338</b>                      | <b>35,464</b>                   | <b>5.3%</b>                                      | 157,821                        | 157,212                         | 0.4%   |
| <b>Pacific Southwest</b>                 | 4,770                          | 4,769                           | 0.0%   | <b>48,147</b>                      | <b>48,906</b>                   | <b>-1.6%</b>                                     | 275,893                        | 282,152                         | -2.2%  |
| <b>Total United States <sup>1/</sup></b> | <b>81,453</b>                  | <b>73,613</b>                   | <b>10.7%</b>                                     | <b>786,881</b>                     | <b>790,237</b>                  | <b>-0.4%</b>                                     | 4,110,367                      | 4,033,245                       | 1.9%   |
| <b>Coal Regions Only <sup>2/</sup></b>   | 70,438                         | 63,189                          | 11.5%  | <b>677,079</b>                     | <b>681,435</b>                  | <b>-0.6%</b>                                     | 3,554,559                      | 3,472,748                       | 2.4%   |

Notes: EEI output data are an estimate of electricity load made available for distribution derived as weekly net generation + purchases from non-utilities + net imports - exports - sales for resale. It is not meant to be a measure of electricity generation for the U.S. EEI survey data represent the majority of national distribution (large utilities, large government power projects, some independent and large municipal power projects). The remaining segment of the industry (smaller producers) is estimated. Non-utility generation is captured via direct sales to utilities.

<sup>1/</sup> Excludes Alaska and Hawaii

<sup>2/</sup> Excludes New England and Pacific regions

SOURCE: Edison Electric Institute (EEI), *Weekly Electric Output Report*.

AMERICAN IRON AND STEEL INSTITUTE  
 25 Massachusetts Avenue, NW, Suite 800  
 Washington, D.C. 20001

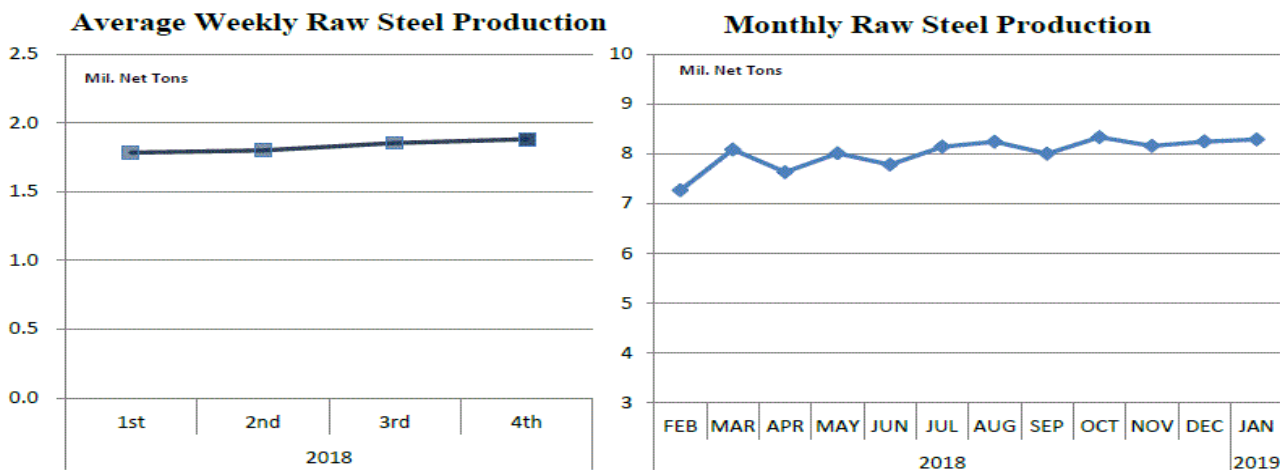
March 11, 2019

**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>Mar 9</u>                  | <u>Mar. 2</u> |           |
| <b><u>Week Ending</u></b>    |                              |  |   | North East                    | 232           | 212       |
|                              |                              |  |   | Great Lakes                   | 723           | 716       |
| March 9, 2019                | 1,941                        | 0.7  | 83.4  | Midwest                       | 214           | 208       |
| March 9, 2018                | 1,826                        | 6.3  | 78.3  | Southern                      | 697           | 717       |
| March 2, 2019                | 1,927                        | 1.0  | 82.8  | Western                       | <u>75</u>     | <u>74</u> |
|                              |                              |  |   | Total                         | 1,941         | 1,927     |
| <b><u>Year-to-Date +</u></b> |                              |  |   |                               |               |           |
| March 9, 2019                | 18,380                       | 6.8  | 81.3  |                               |               |           |
| March 9, 2018                | 17,209                       | -  | 76.6  |                               |               |           |

\*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: Capacity for the first quarter 2019 is approximately 29.9 million net tons vs. 30.0 million net tons for the same period last year, and 30.8 million tons for the fourth quarter of 2018.



\*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)



Source: Kitco website - [www.kitco.com/connecting.html](http://www.kitco.com/connecting.html)

**U.S. Rail Traffic<sup>1</sup>**  
**Week 10, 2019 – Ended March 9, 2019**

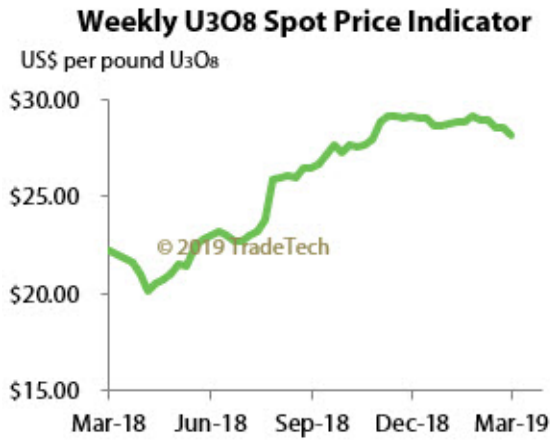
|                                     | This Week      |              | Year-To-Date     |                     |              |
|-------------------------------------|----------------|--------------|------------------|---------------------|--------------|
|                                     | Cars           | vs 2018      | Cumulative       | Avg/wk <sup>2</sup> | vs 2018      |
| <b>Total Carloads</b>               | <b>238,104</b> | <b>-7.0%</b> | <b>2,476,569</b> | <b>247,657</b>      | <b>-1.0%</b> |
| Chemicals                           | 31,354         | -4.6%        | 318,223          | 31,822              | 0.1%         |
| Coal                                | 76,562         | -8.6%        | 802,145          | 80,215              | -3.7%        |
| Farm Products excl. Grain, and Food | 15,475         | -8.3%        | 155,014          | 15,501              | -3.0%        |
| Forest Products                     | 9,603          | -4.1%        | 100,551          | 10,055              | 0.8%         |
| Grain                               | 19,219         | -16.2%       | 214,296          | 21,430              | -2.1%        |
| Metallic Ores and Metals            | 19,881         | -5.6%        | 207,355          | 20,736              | 0.9%         |
| Motor Vehicles and Parts            | 16,792         | -0.2%        | 158,130          | 15,813              | -2.0%        |
| Nonmetallic Minerals                | 30,217         | -9.3%        | 303,021          | 30,302              | -2.0%        |
| Petroleum and Petroleum Products    | 10,658         | 12.4%        | 125,653          | 12,565              | 21.5%        |
| Other                               | 8,343          | -6.0%        | 92,181           | 9,218               | -0.5%        |
| <b>Total Intermodal Units</b>       | <b>270,854</b> | <b>-2.6%</b> | <b>2,681,521</b> | <b>268,152</b>      | <b>-0.4%</b> |
| <b>Total Traffic</b>                | <b>508,958</b> | <b>-4.7%</b> | <b>5,158,090</b> | <b>515,809</b>      | <b>-0.7%</b> |

<sup>1</sup> Excludes U.S. operations of Canadian Pacific, CN and GMXT.

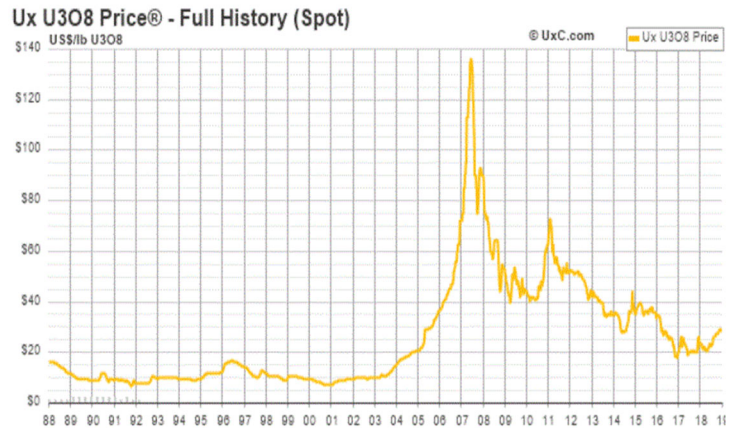
<sup>2</sup> Average per week figures may not sum to totals as a result of independent rounding.

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

### Trade Tech's and UX's Uranium Price Indicators

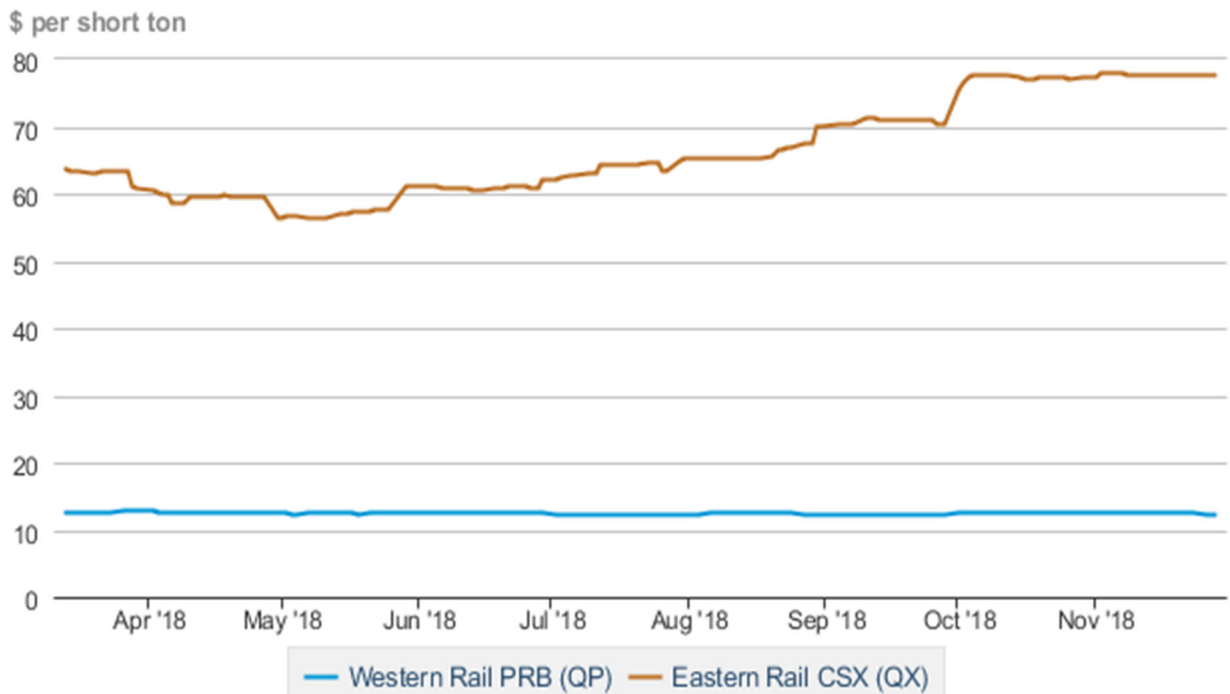


### Ux U3O8 Price - Full History



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

### NYMEX coal futures near-month contract final settlement price



 Source: The New York Mercantile Exchange (NYMEX), Daily Energy Bulletin.

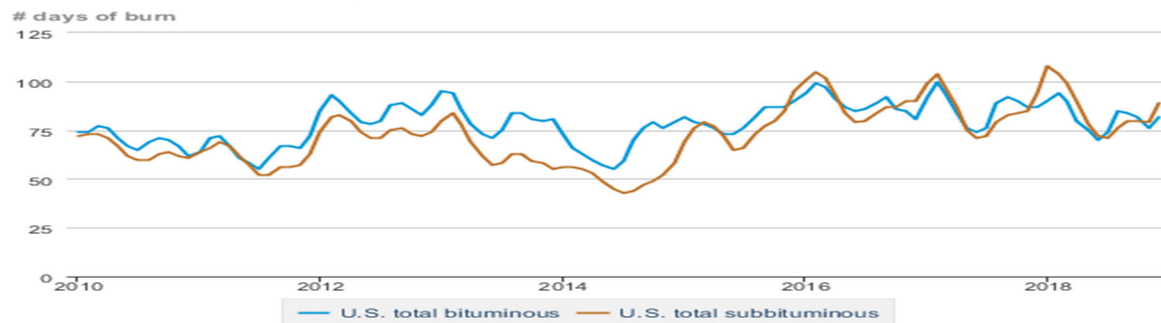
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

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

|  | Week ending |          |          |          |          | Week ago |
|--|-------------|----------|----------|----------|----------|----------|
|  | 02/08/19    | 02/15/19 | 02/22/19 | 03/01/19 | 03/08/19 | change   |
| Central Appalachia<br>12,500 Btu, 1.2 SO <sub>2</sub>    | \$79.50     | \$78.20  | \$78.20  | \$81.95  | \$81.95  | \$0.00   |
| Northern Appalachia<br>13,000 Btu, < 3.0 SO <sub>2</sub> | \$67.70     | \$67.95  | \$67.95  | \$70.05  | \$70.05  | \$0.00   |
| Illinois Basin<br>11,800 Btu, 5.0 SO <sub>2</sub>        | \$38.95     | \$38.20  | \$38.20  | \$38.20  | \$38.20  | \$0.00   |
| Powder River Basin<br>8,800 Btu, 0.8 SO <sub>2</sub>     | \$13.10     | \$11.90  | \$11.90  | \$11.85  | \$11.85  | \$0.00   |
| Uinta Basin<br>11,700 Btu, 0.8 SO <sub>2</sub>           | \$40.10     | \$39.50  | \$39.50  | \$39.35  | \$39.35  | \$0.00   |

Source: Energy Information Administration (with permission from SNL), *Coal Market Report*

Days of burn by non-lignite coal rank, January 2009 - December 2018



Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Feb 28)

| Region          | HDD Current | HDD deviation from: |           | CDD Current | CDD deviation from: |           |
|-----------------|-------------|---------------------|-----------|-------------|---------------------|-----------|
|                 |             | normal              | last year |             | normal              | last year |
| New England     | 254         | 14                  | 78        | 0           | 0                   | 0         |
| Middle Atlantic | 233         | 6                   | 77        | 0           | 0                   | 0         |
| E N Central     | 259         | 17                  | 95        | 0           | 0                   | 0         |
| W N Central     | 323         | 80                  | 88        | 0           | 0                   | 0         |
| South Atlantic  | 113         | -30                 | 48        | 18          | 9                   | -5        |
| E S Central     | 98          | -40                 | 50        | 1           | -2                  | -6        |
| W S Central     | 86          | -4                  | 12        | 5           | 0                   | -5        |
| Mountain        | 218         | 34                  | -24       | 0           | -1                  | 0         |
| Pacific         | 131         | 34                  | -26       | 0           | -1                  | 0         |
| United States   | 196         | 15                  | 46        | 4           | 1                   | -2        |

Note: HDD = heating degree day; CDD = cooling degree day

Source: National Oceanic and Atmospheric Administration

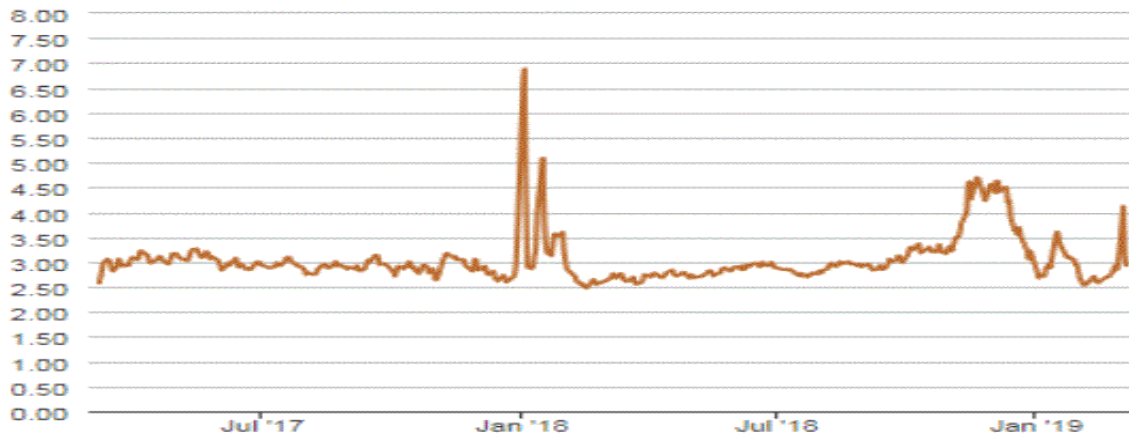
Source: Energy Information Administration, *Natural Gas Weekly Update*.

| USGS Production of Selected Mineral Commodities | 2018 Year to Date - 3rd Quarter | 2017 Year to Date - 3rd Quarter | Percent Change |
|---|---------------------------------|---------------------------------|----------------|
| Aluminum, secondary (000 Mt.)                   | 624.0                           | 628.0                           | -1%            |
| Cement (Mil. Mt.)                               | 64.7                            | 63.2                            | 2%             |
| Copper (000 Mt.)                                | 912.0                           | 955.0                           | -5%            |
| Gold (Mt.)                                      | 156.0                           | 178.0                           | -12%           |
| Gypsum (Mil. Mt.)                               | 12.8                            | 12.4                            | 3%             |
| Iron Ore (Mil. Mt.)                             | 36.4                            | 34.5                            | 6%             |
| Lead (000 Mt.)                                  | W                               | 228.0                           | N/A            |
| Molybdenum (000 Mt.)                            | 30.9                            | 29.8                            | 4%             |
| Phosphate rock (Mil. Mt.)                       | 20.1                            | 20.8                            | -3%            |
| Sand & gravel, construction (Mil. Mt.)          | 720.0                           | 672.0                           | 7%             |
| Silver (Mt.)                                    | 675.0                           | 779.0                           | -13%           |
| Soda ash (Mil. Mt.)                             | 8.8                             | 8.8                             | 0%             |
| Stone, crushed (Mil. Mt.)                       | 1,050.0                         | 1,010.0                         | 4%             |
| Zinc (000 Mt.)                                  | 600.0                           | 540.0                           | 11%            |

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2018 data are preliminary estimates. W - withheld, N/A - not available

### Natural gas spot prices (Henry Hub)

dollars per million British thermal units



Source: Natural Gas Intelligence

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

### EIA Coal Stocks and Average Number of Days of Burn (Power Sector)

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

| Zone       | Coal          | December 2018      |              | December 2017      |              | % Change of Stocks | November 2018      |              | % Change of Stocks |
|------------|---------------|--------------------|--------------|--------------------|--------------|--------------------|--------------------|--------------|--------------------|
|            |               | Stocks (1000 tons) | Days of Burn | Stocks (1000 tons) | Days of Burn |                    | Stocks (1000 tons) | Days of Burn |                    |
| Northeast  | Bituminous    | 3,408              | 132          | 3,813              | 72           | -10.6%             | 3,287              | 104          | 3.7%               |
|            | Subbituminous | 116                | 225          | 111                | 53           | 5.0%               | 146                | 102          | -20.0%             |
| South      | Bituminous    | 19,364             | 83           | 26,563             | 91           | -27.1%             | 19,207             | 77           | 0.8%               |
|            | Subbituminous | 4,570              | 57           | 5,308              | 60           | -13.9%             | 4,613              | 53           | -0.9%              |
| Midwest    | Bituminous    | 8,373              | 64           | 12,933             | 79           | -35.3%             | 8,859              | 66           | -5.5%              |
|            | Subbituminous | 28,020             | 109          | 37,214             | 96           | -24.7%             | 27,946             | 95           | 0.3%               |
| West       | Bituminous    | 3,706              | 87           | 5,056              | 100          | -26.7%             | 3,915              | 83           | -5.3%              |
|            | Subbituminous | 18,440             | 74           | 26,185             | 100          | -29.6%             | 19,278             | 68           | -4.3%              |
| U.S. Total | Bituminous    | 34,852             | 82           | 48,365             | 87           | -27.9%             | 35,268             | 76           | -1.2%              |
|            | Subbituminous | 51,146             | 89           | 68,818             | 94           | -25.7%             | 51,982             | 79           | -1.6%              |

Source: U.S. Energy Information Administration

Source: Energy Information Administration, *Electricity Monthly Update*

### EIA Working Natural Gas Underground Storage

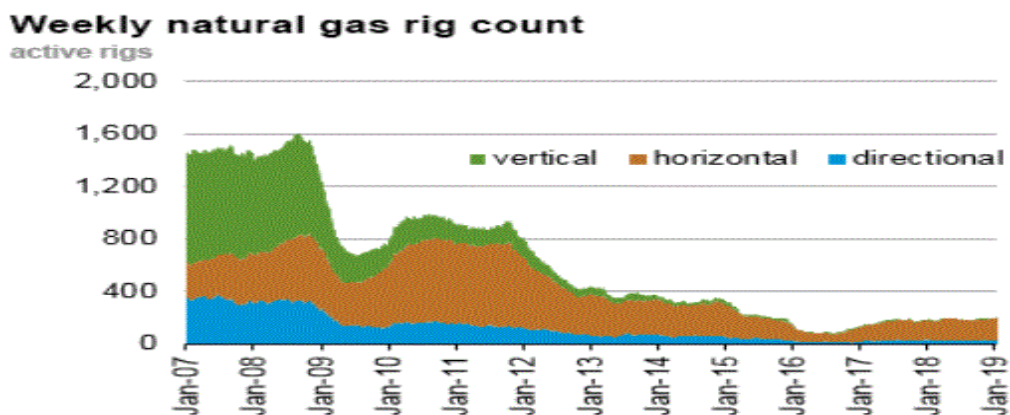
**Working gas in underground storage**

| Region        | Stocks<br>billion cubic feet (Bcf) |              |             |
|---------------|------------------------------------|--------------|-------------|
|               | 2019-03-01                         | 2019-02-22   | change      |
| East          | 311                                | 354          | -43         |
| Midwest       | 338                                | 385          | -47         |
| Mountain      | 73                                 | 79           | -6          |
| Pacific       | 112                                | 122          | -10         |
| South Central | 557                                | 598          | -41         |
| <b>Total</b>  | <b>1,390</b>                       | <b>1,539</b> | <b>-149</b> |

Source: Form EIA-912, *Weekly Underground Natural Gas Storage Report*

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

### EIA Natural Gas Rig Count



Source: Baker Hughes Inc.

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

### EIA Oil and Natural Gas Rig Productivity

| Region                          | New-well oil production per rig<br>barrels/day |               |          | New-well gas production per rig<br>thousand cubic feet/day |               |            |
|---------------------------------|--|---------------|----------|--|---------------|------------|
|                                 | February<br>2019                               | March<br>2019 | change   | February<br>2019   | March<br>2019 | change     |
| Anadarko                        | 390  | 396           | 6        | 2,832  | 2,843         | 11         |
| Appalachia                      | 144  | 144           | -        | 15,300   | 15,600        | 300        |
| Bakken                          | 1,452  | 1,458         | 6        | 1,897  | 1,903         | 6          |
| Eagle Ford                      | 1,335  | 1,337         | 2        | 5,022  | 5,036         | 14         |
| Haynesville                     | 26   | 27            | 1        | 9,148  | 9,261         | 113        |
| Niobrara                        | 1,203  | 1,206         | 3        | 4,166  | 4,169         | 3          |
| Permian                         | 598  | 603           | 5        | 1,180  | 1,195         | 15         |
| <b>Rig-weighted<br/>average</b> | <b>656</b>                                     | <b>661</b>    | <b>5</b> | <b>3,565</b>   | <b>3,686</b>  | <b>121</b> |

Source: Energy Information Administration, *Drilling Productivity Report*