

National Mining Association

Weekly Statistical Summary

July 13, 2018 Edition
(Data for Week Ending July 7, 2018)

Prepared by
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NMA Weekly Statistical Summary

Vol. 56, No. 27
Dated 07/13/18

PRODUCTION, CONSUMPTION & TRADE

| | Week Ended | | | * Cumulative Jan 1 to | | |
|--|-------------------|-----------------|---------------|-----------------------------|-----------------|---------------|
| | 07/07/18 | 07/08/17 | % Chng | 07/07/18 | 07/07/17 | % Chng |
| EIA Coal Production (000 Tons): | | | | | | |
| Week Ended/Year to Date | 12,951 | 12,441 | 4.1% | 383,981 | 396,790 | -3.2% |
| 52 Weeks Ended | 759,648 | 788,948 | -3.7% | | | |
| AAR Coal Rail Cars Loaded: | 76,562 | 76,931 | -0.5% | 2,209,178 | 2,209,261 | 0.0% |
| Coal Production Month Ended - June | June 18/17 | | % Chng | Jan - June 18/17 | | % Chng |
| | 62,746 | 66,223 | -5.3% | 375,372 | 384,115 | -2.3% |
| DOC Coal Trade (000 Tons) | | | | | | |
| Exports: | May 18/17 | | | Jan - May 18/17 | | |
| | | | % Chng | | | % Chng |
| Metallurgical | 5,575 | 4,563 | 22.2% | 26,340 | 21,345 | 23.4% |
| Steam * | 4,053 | 2,660 | 52.4% | 21,516 | 15,303 | 40.6% |
| Lignite | 9 | 5 | 80.0% | 32 | 25 | 28.0% |
| Anthracite | 14 | 17 | -17.6% | 84 | 127 | -33.9% |
| Total | 9,651 | 7,245 | 33.2% | 47,972 | 36,800 | 30.4% |
| Imports: | 544 | 1,053 | -48.3% | 2,405 | 3,461 | -30.5% |
| | Week Ended | | | Cumulative Week 1 to | | |
| | 07/07/18 | 07/08/17 | % Chng | 07/07/18 | 07/08/17 | % Chng |
| EI Electric Total Output (Mil. Kwh) | 92,272 | 87,622 | 5.3% | 2,100,324 | 2,020,788 | 3.9% |
| EI Coal Region Output (Mil. Kwh) | 80,639 | 76,059 | 6.0% | 1,819,806 | 1,733,329 | 5.0% |
| AISI Raw Steel Output (000 Tons) | 1,792 | 1,733 | 3.4% | 47,922 | 46,571 | 2.9% |

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

| Average Coal Spot Prices (\$/Short Ton) | Week Ending | | | Natural Gas Spot Prices (\$/MMBtu) | |
|---|-------------|----------|--------|------------------------------------|----------|
| | 07/06/18 | 06/29/18 | % Chng | Wed. | 06/27/18 |
| Central App, 12,500 Btu, 1.2 SO ₂ | \$69.15 | \$66.10 | 4.6% | Henry Hub | 3.00 |
| Northern App, 13,000 Btu, < 3.0 SO ₂ | 51.50 | 48.50 | 6.2% | New York | 3.02 |
| Illinois Basin, 11,800, 5.0 SO ₂ | 32.95 | 32.70 | 0.8% | Chicago | 2.83 |
| Powder River Basin, 8,800 Btu 0.8 SO ₂ | 13.05 | 12.35 | 5.7% | Cal.Comp.Avg. | 2.45 |
| Uinta Basin, 11,700 Btu, 0.8 SO ₂ | 41.45 | 41.25 | 0.5% | | |

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

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 (thousand short tons) | Week Ended | | | Year to Date | | | 52 Weeks Ended | | |
|--|-----------------------|------------------------|-----------------------|----------------|----------------|--------------|----------------|----------------|--------------|
| | 7/7/2018 (week 27) | 6/30/2018 (week 26) | 7/8/2017 (week 27) | 7/7/2018 | 7/7/2017 | % Change | 7/7/2018 | 7/8/2017 | % Change |
| Alabama | 233 | 269 | 176 | 7,715 | 6,928 | 11.4 | 13,376 | 11,781 | 13.5 |
| Alaska | 17 | 17 | 15 | 476 | 473 | 0.5 | 959 | 866 | 10.7 |
| Arizona | 103 | 113 | 87 | 3,065 | 3,138 | -2.4 | 6,136 | 5,975 | 2.7 |
| Arkansas | 1 | 1 | . | 14 | 27 | -48.5 | 14 | 49 | -71.4 |
| Colorado | 235 | 322 | 200 | 7,419 | 8,358 | -11.2 | 14,081 | 15,369 | -8.4 |
| Illinois | 822 | 935 | 721 | 25,713 | 26,270 | -2.1 | 47,701 | 47,364 | 0.7 |
| Indiana | 535 | 597 | 491 | 16,602 | 16,513 | 0.5 | 31,441 | 31,017 | 1.4 |
| Kentucky Total | 657 | 827 | 629 | 20,836 | 23,452 | -11.2 | 39,957 | 44,804 | -10.8 |
| Eastern (KY) | 315 | 414 | 268 | 9,526 | 10,298 | -7.5 | 18,063 | 18,469 | -2.2 |
| Western (KY) | 342 | 413 | 361 | 11,310 | 13,155 | -14.0 | 21,893 | 26,335 | -16.9 |
| Louisiana | 17 | 30 | 10 | 613 | 1,436 | -57.3 | 1,254 | 2,871 | -56.3 |
| Maryland | 26 | 36 | 27 | 785 | 908 | -13.5 | 1,535 | 1,825 | -15.9 |
| Mississippi | 33 | 51 | 29 | 1,279 | 1,598 | -19.9 | 2,281 | 3,104 | -26.5 |
| Missouri | 4 | 4 | 4 | 124 | 126 | -1.0 | 243 | 249 | -2.4 |
| Montana | 704 | 647 | 663 | 18,212 | 15,718 | 15.9 | 37,637 | 34,323 | 9.7 |
| New Mexico | 181 | 252 | 201 | 5,509 | 7,462 | -26.2 | 11,217 | 14,020 | -20.0 |
| North Dakota | 504 | 526 | 473 | 14,663 | 14,300 | 2.5 | 29,087 | 28,677 | 1.4 |
| Ohio | 151 | 151 | 144 | 4,499 | 4,779 | -5.9 | 9,037 | 10,178 | -11.2 |
| Oklahoma | 9 | 10 | 8 | 253 | 293 | -13.6 | 520 | 612 | -15.0 |
| Pennsylvania Total | 799 | 934 | 742 | 24,290 | 25,993 | -6.6 | 47,297 | 50,151 | -5.7 |
| Anthracite (PA) | 28 | 35 | 26 | 780 | 1,009 | -22.7 | 1,651 | 1,799 | -8.2 |
| Bituminous (PA) | 770 | 899 | 715 | 23,510 | 24,985 | -5.9 | 45,647 | 48,352 | -5.6 |
| Tennessee | 5 | 7 | 6 | 152 | 277 | -45.2 | 305 | 571 | -46.6 |
| Texas | 571 | 612 | 589 | 14,488 | 17,745 | -18.4 | 33,003 | 37,891 | -12.9 |
| Utah | 248 | 253 | 208 | 7,076 | 7,139 | -0.9 | 14,236 | 14,002 | 1.7 |
| Virginia | 215 | 255 | 208 | 6,771 | 7,418 | -8.7 | 13,030 | 14,183 | -8.1 |
| West Virginia Total | 1,607 | 1,830 | 1,365 | 48,199 | 48,355 | -0.3 | 92,426 | 89,899 | 2.8 |
| Northern (WV) | 725 | 854 | 659 | 22,549 | 24,693 | -8.7 | 44,553 | 47,820 | -6.8 |
| Southern (WV) | 882 | 975 | 706 | 25,650 | 23,662 | 8.4 | 47,872 | 42,079 | 13.8 |
| Wyoming | 5,273 | 5,893 | 5,446 | 155,230 | 158,084 | -1.8 | 312,874 | 329,167 | -4.9 |
| Appalachian Total | 3,351 | 3,894 | 2,936 | 101,937 | 104,956 | -2.9 | 195,070 | 197,058 | -1.0 |
| Interior Total | 2,335 | 2,655 | 2,212 | 70,395 | 77,161 | -8.8 | 138,351 | 149,492 | -7.5 |
| Western Total | 7,265 | 8,025 | 7,293 | 211,649 | 214,673 | -1.4 | 426,227 | 442,398 | -3.7 |
| East of Mississippi River | 5,083 | 5,891 | 4,537 | 156,840 | 162,492 | -3.5 | 298,388 | 304,878 | -2.1 |
| West of Mississippi River | 7,868 | 8,683 | 7,905 | 227,141 | 234,298 | -3.1 | 461,261 | 484,071 | -4.7 |
| Bituminous and Lignite | 12,922 | 14,539 | 12,415 | 383,201 | 395,781 | -3.2 | 757,998 | 787,149 | -3.7 |
| Anthracite | 28 | 35 | 26 | 780 | 1,009 | -22.7 | 1,651 | 1,799 | -8.2 |
| U.S. Total | 12,951 | 14,574 | 12,441 | 383,981 | 396,790 | -3.2 | 759,648 | 788,948 | -3.7 |
| Railroad Cars Loaded | 76,562 | 83,214 | 76,931 | 2,209,178 | 2,209,261 | s | 4,419,199 | 4,500,832 | -1.8 |

Source: Energy Information Administration



Weekly Electric Output

Volume 86 No. 27

OUTPUT FOR WEEK ENDED - Jul 07, 2018

Jul 11, 2018

The net available amount of electric energy distributed by the Total Electric Utility Industry+ for the week ended Saturday, Jul 07, 2018 was 92,272 gigawatthours (GWh), according to the Edison Electric Institute. This is equivalent to 200 on the weekly electric output index.

WEEKLY ELECTRIC OUTPUT BY GEOGRAPHIC DIVISION
(48 CONTIGUOUS STATES)

| | Week Ended July 07 | | 52 Weeks Ended July 07 | |
|---------------------|--------------------|--|------------------------|--|
| | GWh Output | % Increase Over Corresponding Week of 2017 | GWh Output | % Increase Over Corresponding Period of 2017 |
| New England | 2,998 | 19.3 | 120,581 | -2.2 |
| Mid-Atlantic | 10,688 | 14.1 | 432,649 | -0.2 |
| Central Industrial | 15,499 | 13.3 | 675,791 | 0.8 |
| West Central | 7,536 | 8.0 | 334,862 | 1.9 |
| Southeast | 23,247 | 3.9 | 1,040,593 | 1.8 |
| South Central | 17,286 | 1.6 | 751,748 | 4.0 |
| Rocky Mountain | 6,383 | -3.9 | 277,031 | -0.5 |
| Pacific Northwest | 2,521 | -5.3 | 157,312 | -0.6 |
| Pacific Southwest | 6,114 | -4.3 | 278,912 | -1.1 |
| Total United States | 92,272 | 5.3 | 4,069,479 | 1.3 |

WEEKLY ELECTRIC OUTPUT IN PREVIOUS WEEKS--GWh

| Week Ended | 2018 | Week Ended | 2017 | % Inc. (18/17) | 52 Weeks Ended | 2018 | % Inc. (18/17) |
|------------|-----------|------------|-----------|----------------|------------------------------|-----------|----------------|
| Jun 16 | 85,018 | Jun 17 | 88,147 | -3.5 | Jun 16 | 4,057,746 | 0.8 |
| Jun 23 | 87,347 | Jun 24 | 87,167 | 0.2 | Jun 23 | 4,057,926 | 0.9 |
| Jun 30 | 89,162 | Jul 01 | 82,260 | 8.4 | Jun 30 | 4,064,828 | 1.1 |
| Jul 07 | 92,272 | Jul 08 | 87,622 | 5.3 | Jul 07 | 4,069,479 | 1.3 |
| Jul 07 | 2,100,324 | Jul 08 | 2,020,788 | 3.9 | YEAR TO DATE, FIRST 27 WEEKS | | |

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

| Week Ended | 2018 | Week Ended | 2017 | Week Ended | 2016 |
|------------|------|------------|------|------------|------|
| Jun 16 | 187 | Jun 17 | 193 | Jun 18 | 175 |
| Jun 23 | 191 | Jun 24 | 188 | Jun 25 | 178 |
| Jun 30 | 191 | Jul 01 | 172 | Jul 02 | 178 |
| Jul 07 | 200 | Jul 08 | 188 | Jul 09 | 174 |

* 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 | | |
|--|--------------------------------|--------------------------------|--|------------------------------------|--------------------------------|--|--------------------------------|--------------------------------|--|
| | 7-Jul 2018 GWh Output | 8-Jul 2017 GWh Output | % Increase Over Corresponding Week of 2017 | 7-Jul 2018 GWh Output | 8-Jul 2017 GWh Output | % Increase Over Corresponding Week of 2017 | 7-Jul 2018 GWh Output | 8-Jul 2017 GWh Output | % Increase Over Corresponding Week of 2017 |
| New England | 2,998 | 2,512 | 19.3% | 61,619 | 61,623 | 0.0% | 120,581 | 123,283 | -2.2% |
| Mid-Atlantic | 10,688 | 9,365 | 14.1% | 223,125 | 215,450 | 3.6% | 432,649 | 433,693 | -0.2% |
| Central Industrial | 15,499 | 13,684 | 13.3% | 357,400 | 339,882 | 5.2% | 675,791 | 670,206 | 0.8% |
| West Central | 7,536 | 6,980 | 8.0% | 173,745 | 164,830 | 5.4% | 334,862 | 328,519 | 1.9% |
| Southeast | 23,247 | 22,377 | 3.9% | 540,781 | 513,235 | 5.4% | 1,040,593 | 1,021,926 | 1.8% |
| South Central | 17,286 | 17,009 | 1.6% | 387,651 | 361,546 | 7.2% | 751,748 | 722,779 | 4.0% |
| Rocky Mountain | 6,383 | 6,644 | -3.9% | 137,104 | 138,386 | -0.9% | 277,031 | 278,465 | -0.5% |
| Pacific Northwest | 2,521 | 2,664 | -5.4% | 83,363 | 85,592 | -2.6% | 157,312 | 158,268 | -0.6% |
| Pacific Southwest | 6,114 | 6,387 | -4.3% | 135,535 | 140,245 | -3.4% | 278,912 | 282,037 | -1.1% |
| Total United States ^{1/} | 92,272 | 87,622 | 5.3% | 2,100,323 | 2,020,789 | 3.9% | 4,069,479 | 4,019,176 | 1.3% |
| Coal Regions Only ^{2/} | 80,639 | 76,059 | 6.0% | 1,819,806 | 1,733,329 | 5.0% | 3,512,674 | 3,455,588 | 1.7% |

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.

^{1/} Excludes Alaska and Hawaii

^{2/} Excludes New England and Pacific regions

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

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July 9, 2018

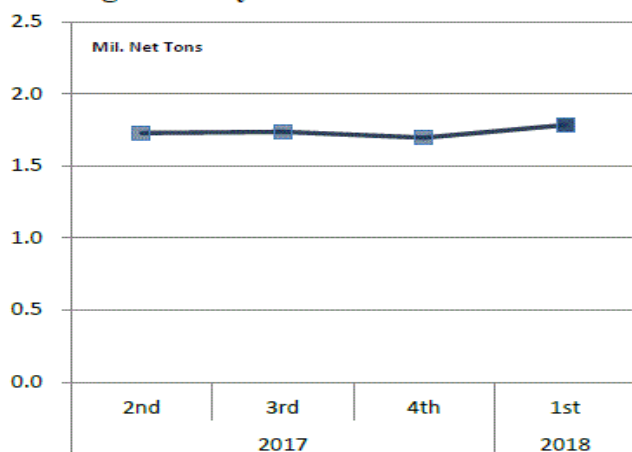
ESTIMATED WEEKLY RAW STEEL * PRODUCTION

| <u>Period</u> | <u>Thousand Net Tons</u> | <u>Percent Change from Previous Period</u> | <u>Percent Capability Utilization**</u> | <u>Production by District</u> | | |
|------------------------------|--------------------------|--|---|-------------------------------|----------------|-----------|
| | | | | <u>Week Ending</u> | | |
| | | | | <u>July 7</u> | <u>June 30</u> | |
| <u>Week Ending</u> | | | | North East | 209 | 215 |
| | | | | Great Lakes | 679 | 653 |
| July 7, 2018 | 1,792 | 0.6 | 76.4 | Midwest | 189 | 187 |
| July 7, 2017 | 1,733 | 3.4 | 74.3 | Southern | 639 | 652 |
| June 30, 2018 | 1,781 | 0.5 | 76.0 | Western | <u>76</u> | <u>74</u> |
| | | | | Total | 1,792 | 1,781 |
| <u>Year-to-Date +</u> | | | | | | |
| July 7, 2018 | 47,922 | 2.9 | 76.3 | | | |
| July 7, 2017 | 46,571 | - | 74.4 | | | |

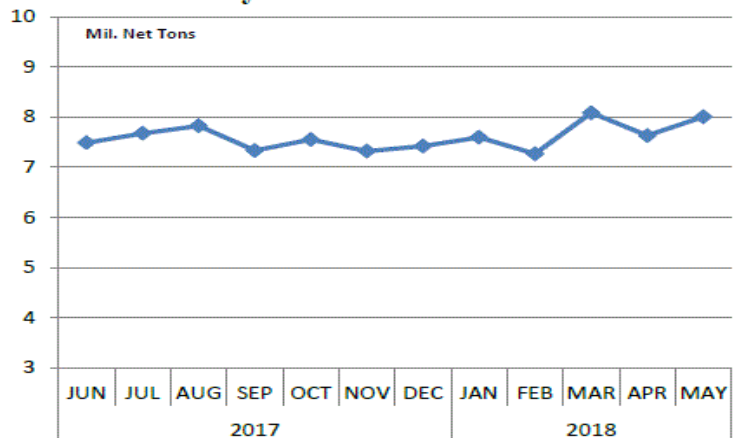
*Raw steel production tonnage included in this report is estimated based on a sampling of steel producers (50% of domestic producers). Therefore, this report should be used primarily to assess production trends. The AISI production report "AIS 7," produced monthly and available by subscription, provides 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 third quarter 2018 is approximately 30.8 million net tons vs. 30.6 million net tons for the same period last year, and 30.5 million tons for the second quarter of 2018.

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



Source: Kitco website - www.kitco.com/connecting.html

U.S. Rail Traffic¹
Week 27, 2018 – Ended July 7, 2018

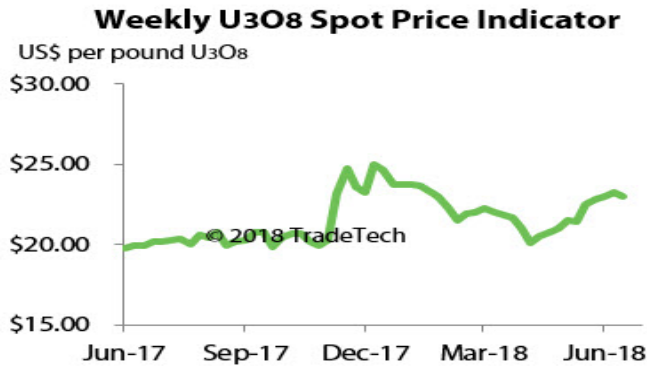
| | This Week | | Year-To-Date | | |
|-------------------------------------|----------------|--------------|-------------------|---------------------|-------------|
| | Cars | vs 2017 | Cumulative | Avg/wk ² | vs 2017 |
| Total Carloads | 240,514 | 5.4% | 6,987,928 | 258,812 | 1.4% |
| Chemicals | 30,160 | 3.2% | 871,930 | 32,294 | 3.8% |
| Coal | 76,562 | -0.5% | 2,217,801 | 82,141 | -0.1% |
| Farm Products excl. Grain, and Food | 15,124 | 10.0% | 436,221 | 16,156 | 1.5% |
| Forest Products | 10,017 | 7.2% | 275,445 | 10,202 | 1.8% |
| Grain | 21,299 | 17.7% | 623,217 | 23,082 | 0.8% |
| Metallic Ores and Metals | 22,073 | 6.2% | 615,094 | 22,781 | 2.7% |
| Motor Vehicles and Parts | 11,717 | 6.9% | 449,545 | 16,650 | -2.3% |
| Nonmetallic Minerals | 35,270 | 7.1% | 963,810 | 35,697 | 3.9% |
| Petroleum and Petroleum Products | 10,257 | 21.4% | 280,450 | 10,387 | 7.2% |
| Other | 8,035 | 2.7% | 254,415 | 9,423 | -2.9% |
| Total Intermodal Units | 244,679 | 12.0% | 7,398,236 | 274,009 | 6.2% |
| Total Traffic | 485,193 | 8.6% | 14,386,164 | 532,821 | 3.8% |

¹ Excludes U.S. operations of Canadian Pacific, CN and GMXT.

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

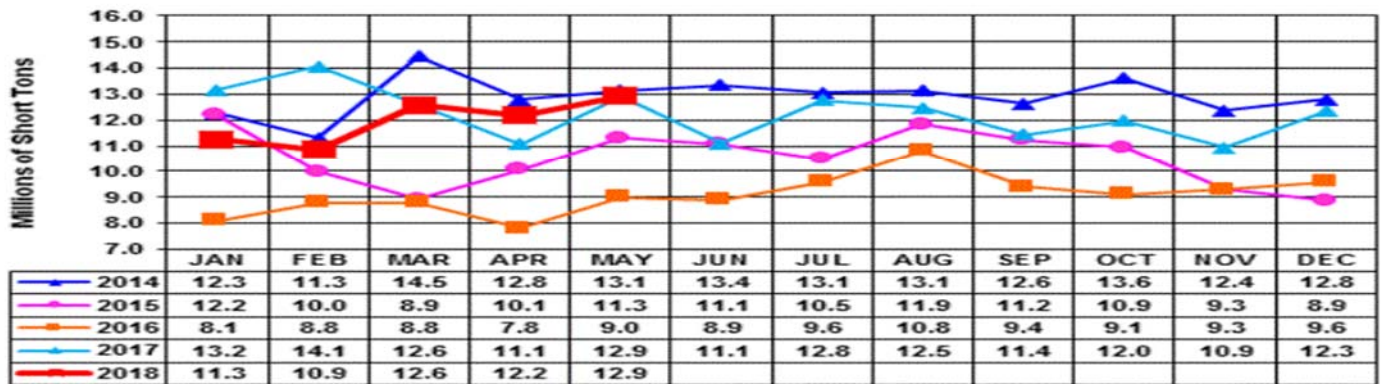
Source: AAR website - <https://www.aar.org/Pages/NEWS-and-EVENTS.aspx>

Trade Tech's Uranium Price Indicators



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

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



Source: U.S. Army Corps of Engineers, Waterborne Commerce Statistics Center

NYMEX Coal Futures Near-month Contract Final Settlement Price



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

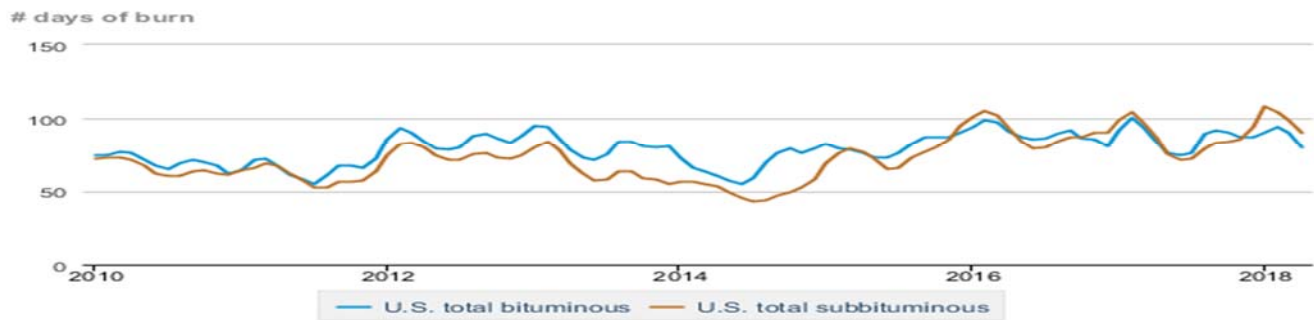
Source: Energy Information Administration, based on NYMEX and Daily Energy Bulletin data

Average weekly coal commodity spot prices dollars per short ton

| | Week ending | | | | | Week ago |
|--|-------------|----------|----------|----------|----------|----------|
| | 06/08/18 | 06/15/18 | 06/22/18 | 06/29/18 | 07/06/18 | change |
| Central Appalachia 12,500 Btu, 1.2 SO ₂ | \$64.15 | \$64.15 | \$66.10 | \$66.10 | \$69.15 | \$3.05 |
| Northern Appalachia 13,000 Btu, < 3.0 SO ₂ | \$47.05 | \$47.05 | \$48.50 | \$48.50 | \$51.50 | \$3.00 |
| Illinois Basin 11,800 Btu, 5.0 SO ₂ | \$32.70 | \$32.70 | \$32.70 | \$32.70 | \$32.95 | \$0.25 |
| Powder River Basin 8,800 Btu, 0.8 SO ₂ | \$12.35 | \$12.35 | \$12.35 | \$12.35 | \$13.05 | \$0.70 |
| Uinta Basin 11,700 Btu, 0.8 SO ₂ | \$41.40 | \$41.40 | \$41.25 | \$41.25 | \$41.45 | \$0.20 |

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

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



 Source: U.S. Energy Information Administration

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

Temperature – heating & cooling degree days (week ending Jun 21)

| Region | HDD Current | HDD deviation from: | | CDD Current | CDD deviation from: | |
|-----------------|-------------|---------------------|-----------|-------------|---------------------|-----------|
| | | normal | last year | | normal | last year |
| New England | 6 | -4 | -1 | 25 | 9 | -6 |
| Middle Atlantic | 1 | -4 | 1 | 49 | 19 | 0 |
| E N Central | 2 | -6 | -1 | 70 | 33 | 15 |
| W N Central | 1 | -7 | -3 | 82 | 34 | 26 |
| South Atlantic | 0 | -1 | 0 | 103 | 25 | 11 |
| E S Central | 0 | 0 | 0 | 102 | 29 | 22 |
| W S Central | 0 | 0 | 0 | 117 | 12 | -4 |
| Mountain | 7 | -12 | 4 | 56 | -1 | -29 |
| Pacific | 6 | -7 | 2 | 20 | -4 | -45 |
| United States | 3 | -5 | 0 | 70 | 18 | -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 | 2017 Year to Date - 4th Quarter | 2016 Year to Date - 4th Quarter | Percent Change |
|---|---------------------------------|---------------------------------|----------------|
| Aluminum, secondary (000 Mt.) | 967.0 | 963.0 | 0% |
| Cement (Mil. Mt.) | 84.3 | 82.6 | 2% |
| Copper (000 Mt.) | 1,260.0 | 1,430.0 | -12% |
| Gold (Mt.) | 230.0 | 222.0 | 4% |
| Gypsum (Mil. Mt.) | 16.8 | 16.4 | 2% |
| Iron Ore (Mil. Mt.) | 47.6 | 39.9 | 19% |
| Lead (000 Mt.) | 302.0 | 336.0 | -10% |
| Molybdenum (000 Mt.) | 40.5 | 35.7 | 13% |
| Phosphate rock (Mil. Mt.) | 27.1 | 27.3 | -1% |
| Sand & gravel, construction (Mil. Mt.) | 906.0 | 892.0 | 2% |
| Silver (Mt.) | 1,030.0 | 1,150.0 | -10% |
| Soda ash (Mil. Mt.) | 12.0 | 11.8 | 2% |
| Stone, crushed (Mil. Mt.) | 1,350.0 | 1,360.0 | -1% |
| Zinc (000 Mt.) | 748.0 | 778.0 | -4% |

Source: U.S. Geological Survey, Mineral Industry Surveys. Percent change based on USGS rounded numbers. 2017 data are preliminary estimates.

Natural gas spot prices (Henry Hub)



eia Source: Natural Gas Intelligence

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 | April 2018 | | April 2017 | | % Change of Stocks | March 2018 | |
|------------|---------------|--------------------|--------------|--------------------|--------------|--------------------|--------------------|--------------|
| | | Stocks (1000 tons) | Days of Burn | Stocks (1000 tons) | Days of Burn | | Stocks (1000 tons) | Days of Burn |
| Northeast | Bituminous | 3,332 | 88 | 4,712 | 81 | -29.3% | 3,486 | 100 |
| | Subbituminous | 79 | 233 | 145 | 226 | -45.2% | 110 | 278 |
| South | Bituminous | 23,749 | 78 | 32,491 | 82 | -26.9% | 22,824 | 88 |
| | Subbituminous | 7,259 | 75 | 6,518 | 71 | 11.4% | 5,824 | 75 |
| Midwest | Bituminous | 10,838 | 76 | 15,357 | 89 | -29.4% | 10,838 | 84 |
| | Subbituminous | 33,992 | 95 | 43,634 | 88 | -22.1% | 33,806 | 105 |
| West | Bituminous | 4,976 | 102 | 5,924 | 90 | -16.0% | 4,763 | 110 |
| | Subbituminous | 27,300 | 88 | 32,205 | 89 | -15.2% | 26,364 | 99 |
| U.S. Total | Bituminous | 42,985 | 80 | 58,484 | 84 | -26.5% | 42,120 | 90 |
| | Subbituminous | 68,631 | 90 | 82,501 | 87 | -16.8% | 66,104 | 99 |

Source: U.S. Energy Information Administration

NOTE: Stockpile levels shown above reflect a sample of electric power sector plants, which were used to create of burn statistics. These levels will not equal total electric power sector stockpile levels.

Source: Energy Information Administration, *Electricity Monthly Update*

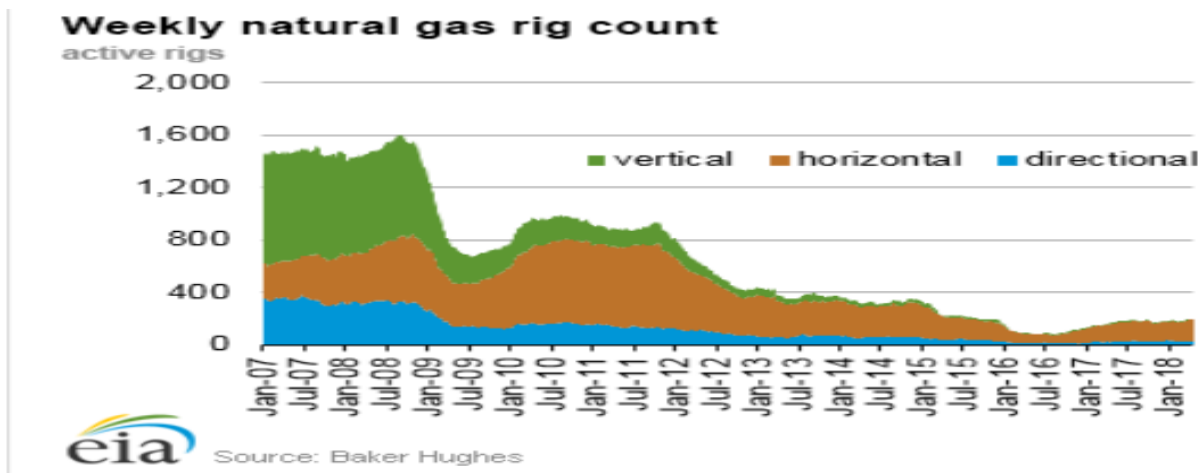
EIA Working Natural Gas Underground Storage

| Region | Stocks billion cubic feet (Bcf) | | |
|---------------|------------------------------------|----------------|-----------|
| | 2018-06-22 | 2018-06-15 | change |
| East | 430 | 406 | 24 |
| Midwest | 425 | 401 | 24 |
| Mountain | 133 | 127 | 6 |
| Pacific | 251 | 246 | 5 |
| South Central | 835 | 828 R | 7 |
| Total | 2,074 | 2,008 R | 66 |

Source: U.S. Energy Information Administration
R=Revised.

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

EIA Natural Gas Rig Count



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

EIA Oil and Natural Gas Rig Productivity

| Region | New-well oil production per rig barrels/day | | | New-well gas production per rig thousand cubic feet/day | | |
|--------------|--|------------|----------|--|--------------|----------|
| | June 2018 | July 2018 | change | June 2018 | July 2018 | change |
| Anadarko | 414 | 417 | 3 | 2,832 | 2,855 | 23 |
| Appalachia | 145 | 145 | - | 15,645 | 15,783 | 138 |
| Bakken | 1,463 | 1,470 | 7 | 1,720 | 1,743 | 23 |
| Eagle Ford | 1,470 | 1,503 | 33 | 5,647 | 5,833 | 186 |
| Haynesville | 24 | 25 | 1 | 8,444 | 8,513 | 69 |
| Niobrara | 1,186 | 1,191 | 5 | 4,510 | 4,547 | 37 |
| Permian | 620 | 620 | - | 1,190 | 1,190 | - |
| Total | 675 | 677 | 2 | 3,788 | 3,794 | 6 |

Source: Energy Information Administration, *Drilling Productivity Report*