## Table 12. Net withdrawals from underground storage, by state, 2018-2020

(million cubic feet)

| State | August | July | June | May | April | March | February |
|---|---|---|---|---|---|---|---|
| | | | | | | | 2020 |
| Alabama | 656 | 185 | -112 | -669 | -4,401 | -1,483 | 3,469 |
| Alaska[a] | -2,331 | -1,752 | -1,325 | -1,049 | 421 | 2,313 | 2,415 |
| Arkansas | -1,102 | -914 | -823 | -715 | -307 | 853 | 1,273 |
| California | 5,352 | -2,993 | -24,699 | -37,280 | -22,091 | -3,906 | -1,238 |
| Colorado | -5,458 | -5,209 | -7,293 | -5,942 | -2,235 | 2,258 | 9,496 |
| Illinois | -40,365 | -29,436 | -28,451 | -18,009 | 7,597 | 34,667 | 55,297 |
| Indiana | -2,695 | -2,071 | -2,056 | -1,146 | 97 | 1,494 | 5,572 |
| Iowa | -11,918 | -1,925 | -5,646 | -5,357 | 233 | 5,299 | 8,457 |
| Kansas | -4,208 | -4,248 | -12,961 | -15,574 | -11,701 | 6,016 | 21,799 |
| Kentucky | -3,185 | -805 | -737 | -13,240 | -14,070 | 1,268 | 10,761 |
| Louisiana | -15,845 | 5,790 | -23,311 | -33,607 | -50,797 | -26,675 | 52,915 |
| Maryland | -1,761 | -777 | -1,845 | -868 | 3,082 | 789 | 836 |
| Michigan | -49,256 | -46,076 | -70,214 | -79,406 | -46,163 | 27,045 | 95,262 |
| Minnesota | -236 | -221 | -17 | 6 | 14 | 164 | 512 |
| Mississippi | -3,381 | 10,563 | -3,526 | -8,364 | -19,413 | -24,955 | 21,589 |
| Missouri | -53 | -30 | -155 | -32 | 867 | -28 | 20 |
| Montana | -4,116 | -5,136 | -6,194 | -5,667 | -2,311 | 1,101 | 5,335 |
| Nebraska | 634 | -711 | -2,341 | -2,232 | -1,101 | 591 | 1,976 |
| New Mexico | -1,183 | -1,374 | -1,626 | -721 | -2,284 | -1,466 | 4,273 |
| New York | -8,078 | -3,460 | -6,309 | -13,599 | -6,240 | 1,299 | 15,319 |
| Ohio | -23,566 | -23,579 | -26,693 | -26,555 | -5,329 | 22,278 | 37,230 |
| Oklahoma | -7,967 | -8,719 | -15,991 | -21,149 | -14,811 | -6,319 | 27,662 |
| Oregon | -843 | -920 | -3,919 | -4,996 | -105 | 1,474 | 4,346 |
| Pennsylvania | -26,992 | -15,408 | -38,467 | -60,384 | -8,892 | 26,065 | 63,825 |
| Tennessee | -69 | -35 | -32 | -43 | * | 28 | 68 |
| Texas | 8,451 | 11,730 | -24,368 | -38,554 | -65,511 | -30,105 | 27,121 |
| Utah | -4,518 | -7,983 | -8,599 | -9,108 | -4,799 | 2,405 | 9,643 |
| Virginia | -273 | -107 | -808 | 45 | 288 | 412 | 594 |
| Washington | -299 | 693 | -2,712 | -6,967 | -4,459 | 1,049 | 7,727 |
| West Virginia | -23,060 | -23,394 | -28,495 | -26,222 | -26,952 | 2,249 | 36,954 |
| Wyoming | 78 | -3,048 | -8,224 | -10,598 | -4,839 | 2,955 | 4,961 |
| **Regions** | | | | | | | |
| East Region | -83,729 | -66,726 | -102,618 | -127,585 | -44,042 | 53,092 | 154,758 |
| South Central Region | -23,397 | 14,386 | -81,092 | -118,633 | -166,941 | -82,667 | 155,827 |
| Midwest Region | -107,778 | -80,598 | -107,308 | -117,228 | -51,424 | 69,936 | 175,950 |
| Mountain Region | -14,562 | -23,461 | -34,276 | -34,268 | -17,569 | 7,843 | 35,684 |
| Pacific Region | 4,210 | -3,220 | -31,330 | -49,243 | -26,656 | -1,383 | 10,835 |
| **Total Lower 48 States** | **-225,255** | **-159,619** | **-356,624** | **-446,957** | **-306,632** | **46,821** | **533,054** |
| **U.S. Total** | **-227,586** | **-161,372** | **-357,949** | **-448,006** | **-306,210** | **49,134** | **535,469** |

See footnotes at end of table.

Table 12

## Table 12. Net withdrawals from underground storage, by state, 2018-2020

(million cubic feet) – continued

| State | 2020 January | 2020 Total | 2019 December | 2019 November | 2019 October | 2019 September | 2019 August |
|---|---|---|---|---|---|---|---|
| Alabama | 437 | -4,680 | -1,295 | -3,103 | -3,437 | -1,058 | 1,779 |
| Alaska[a] | 4,497 | 4,432 | 2,439 | 1,272 | 193 | -843 | -1,320 |
| Arkansas | 935 | -70 | 861 | 578 | -231 | -583 | -886 |
| California | 30,582 | -28,135 | 35,944 | 12,544 | -1,316 | -13,476 | -6,262 |
| Colorado | 8,787 | -8,796 | 5,859 | -549 | 36 | -6,314 | -8,948 |
| Illinois | 52,539 | -17,252 | 40,690 | 2,466 | -39,931 | -39,814 | -34,114 |
| Indiana | 5,021 | -2,817 | 2,562 | -674 | -2,665 | -3,454 | -4,377 |
| Iowa | 14,066 | -1,067 | 17,729 | 10,941 | -15,128 | -18,004 | -14,316 |
| Kansas | 19,934 | -15,186 | 6,480 | 2,754 | 3,567 | -10,591 | -11,621 |
| Kentucky | 6,998 | -16,890 | 9,942 | 5,765 | -4,815 | -9,197 | -8,989 |
| Louisiana | 49,883 | -97,581 | 19,539 | 3,691 | -44,922 | -37,776 | -10,645 |
| Maryland | 1,610 | 1,515 | 1,369 | -1,145 | -2,900 | -429 | -247 |
| Michigan | 88,190 | -74,588 | 72,853 | 54,381 | -50,509 | -86,378 | -76,948 |
| Minnesota | 216 | 75 | 70 | -52 | -270 | -288 | -273 |
| Mississippi | 14,543 | -12,218 | 1,340 | -4,722 | -27,125 | -6,496 | -2,273 |
| Missouri | 292 | 444 | 74 | -86 | -307 | 7 | 7 |
| Montana | 6,092 | 402 | 4,893 | 2,538 | 864 | -3,961 | -3,624 |
| Nebraska | 2,242 | -1,366 | 1,296 | 310 | 275 | -1,028 | -1,218 |
| New Mexico | 1,221 | -11,780 | 1,790 | 1,682 | -2,024 | -2,162 | -938 |
| New York | 17,449 | -15,314 | 13,325 | 176 | -14,260 | -17,487 | -13,493 |
| Ohio | 37,188 | -15,342 | 27,435 | 11,806 | -18,142 | -24,910 | -28,593 |
| Oklahoma | 30,914 | -10,971 | 21,675 | 9,235 | -10,247 | -12,135 | -6,377 |
| Oregon | 1,760 | -1,844 | 958 | -1,987 | 17 | -1,508 | 418 |
| Pennsylvania | 63,541 | -57,975 | 42,184 | 13,862 | -34,039 | -56,268 | -44,933 |
| Tennessee | 51 | -179 | 12 | 9 | 0 | 0 | -95 |
| Texas | 42,711 | -79,335 | 34,819 | 2,360 | -59,099 | -31,098 | 22,555 |
| Utah | 9,085 | -4,277 | 10,361 | 2,648 | -2,353 | -6,667 | -4,869 |
| Virginia | 473 | -38 | 13 | -59 | -13 | -632 | -10 |
| Washington | 2,679 | -459 | 758 | -812 | 3,069 | -2,826 | 1,168 |
| West Virginia | 51,885 | -18,213 | 37,597 | 21,547 | -17,448 | -21,341 | -26,666 |
| Wyoming | 4,776 | -10,216 | 4,901 | 2,305 | -2,593 | -2,433 | 459 |
| **Regions** | | | | | | | |
| East Region | 172,146 | -105,366 | 121,922 | 46,186 | -86,802 | -121,067 | -113,942 |
| South Central Region | 159,358 | -220,041 | 83,417 | 10,792 | -141,494 | -99,737 | -7,468 |
| Midwest Region | 167,372 | -112,275 | 143,932 | 72,749 | -113,626 | -157,129 | -139,105 |
| Mountain Region | 32,202 | -36,032 | 29,099 | 8,933 | -5,794 | -22,565 | -19,137 |
| Pacific Region | 35,021 | -30,438 | 37,660 | 9,745 | 1,770 | -17,809 | -4,676 |
| **Total Lower 48 States** | **566,098** | **-504,151** | **416,031** | **148,406** | **-345,947** | **-418,306** | **-284,327** |
| **U.S. Total** | **570,595** | **-499,719** | **418,470** | **149,678** | **-345,754** | **-419,150** | **-285,647** |

See footnotes at end of table.

## Table 12. Net withdrawals from underground storage, by state, 2018-2020
(million cubic feet) – continued

| State | 2019 July | June | May | April | March | February | January |
|---|---|---|---|---|---|---|---|
| Alabama | 1,992 | 119 | -1,047 | -4,541 | 1,480 | 3,277 | 1,154 |
| Alaska[a] | -1,508 | -1,526 | -1,169 | -145 | 1,222 | 2,658 | 3,160 |
| Arkansas | -798 | -768 | -903 | -312 | 696 | 1,094 | 1,185 |
| California | -11,473 | -39,458 | -45,527 | -39,081 | -1,442 | 50,783 | 30,628 |
| Colorado | -5,274 | -9,284 | -2,673 | -482 | 1,062 | 7,360 | 10,411 |
| Illinois | -21,798 | -31,465 | -29,250 | -2,460 | 21,726 | 44,951 | 71,746 |
| Indiana | -2,746 | -2,270 | -2,093 | -99 | 2,798 | 3,994 | 6,207 |
| Iowa | -2,823 | -3,932 | -4,426 | -332 | 2,664 | 8,451 | 18,111 |
| Kansas | -12,415 | -15,807 | -17,835 | -13,773 | 7,971 | 22,056 | 24,030 |
| Kentucky | -8,250 | -9,025 | -11,913 | -15,484 | 4,786 | 11,343 | 18,947 |
| Louisiana | -18,409 | -39,117 | -42,654 | -56,512 | 17,530 | 50,759 | 60,935 |
| Maryland | -1,498 | -395 | -1,647 | -1,044 | 3,480 | 2,834 | 3,137 |
| Michigan | -81,089 | -93,949 | -86,826 | -45,883 | 65,710 | 115,237 | 138,813 |
| Minnesota | -192 | -23 | 6 | 59 | 277 | 250 | 512 |
| Mississippi | 9,277 | 790 | -6,327 | -24,390 | 6,673 | 14,485 | 26,551 |
| Missouri | 8 | 8 | 8 | -201 | -410 | 11 | 1,325 |
| Montana | -3,787 | -4,224 | -2,731 | -1,857 | 1,364 | 6,273 | 4,655 |
| Nebraska | -1,188 | -2,241 | -1,551 | -604 | 304 | 2,061 | 2,218 |
| New Mexico | -2,974 | -2,008 | -3,961 | -2,805 | -148 | 727 | 1,041 |
| New York | -3,597 | -7,902 | -5,889 | -7,371 | 7,677 | 14,552 | 18,955 |
| Ohio | -23,011 | -25,172 | -22,804 | -9,978 | 25,100 | 34,073 | 38,856 |
| Oklahoma | -15,795 | -18,719 | -24,181 | -16,486 | 8,971 | 25,251 | 27,838 |
| Oregon | -2,991 | -3,170 | -2,302 | -750 | 15 | 4,007 | 5,447 |
| Pennsylvania | -22,994 | -53,396 | -55,605 | -33,670 | 41,514 | 65,257 | 80,114 |
| Tennessee | -49 | -45 | -82 | -37 | 24 | 6 | 78 |
| Texas | 11,375 | -18,342 | -38,598 | -64,861 | 1,132 | 18,399 | 42,024 |
| Utah | -7,263 | -7,794 | -7,668 | -4,492 | 5,387 | 8,384 | 10,048 |
| Virginia | 275 | -585 | 234 | -603 | 419 | -55 | 979 |
| Washington | 975 | -1,299 | -6,802 | -3,896 | -2,335 | 5,868 | 5,673 |
| West Virginia | -22,905 | -31,677 | -38,734 | -27,036 | 18,400 | 39,896 | 50,155 |
| Wyoming | -3,169 | -8,583 | -6,945 | -2,941 | 1,199 | 3,903 | 3,680 |
| **Regions** | | | | | | | |
| East Region | -73,729 | -119,128 | -124,445 | -79,702 | 96,588 | 156,555 | 192,196 |
| South Central Region | -24,774 | -91,845 | -131,547 | -180,876 | 44,452 | 135,322 | 183,717 |
| Midwest Region | -116,940 | -140,701 | -134,577 | -64,436 | 97,575 | 184,242 | 255,741 |
| Mountain Region | -23,655 | -34,133 | -25,528 | -13,181 | 9,168 | 28,709 | 32,052 |
| Pacific Region | -13,489 | -43,928 | -54,630 | -43,727 | -3,761 | 60,659 | 41,748 |
| **Total Lower 48 States** | **-252,586** | **-429,734** | **-470,728** | **-381,922** | **244,022** | **565,487** | **705,454** |
| **U.S. Total** | **-254,094** | **-431,260** | **-471,898** | **-382,067** | **245,243** | **568,145** | **708,614** |

See footnotes at end of table.

Table 12

## Table 12. Net withdrawals from underground storage, by state, 2018-2020

(million cubic feet) – continued

| State | Total | December | November | October | September | August | July |
|---|---|---|---|---|---|---|---|
| | | | | | | | 2018 |
| Alabama | 2,660 | -4,038 | -553 | -3,424 | 3,736 | 3,070 | 2,879 |
| Alaska[a] | -896 | 1,678 | 376 | -743 | -1,536 | -1,795 | -1,862 |
| Arkansas | -654 | 763 | 779 | -345 | -522 | -931 | -793 |
| California | 52,175 | 33,067 | 11,111 | -365 | -12,150 | 290 | 8,376 |
| Colorado | 5,422 | 9,020 | 1,471 | -2,840 | -4,713 | -5,997 | -2,338 |
| Illinois | -3,407 | 44,338 | 5,019 | -43,390 | -42,720 | -34,744 | -28,754 |
| Indiana | -279 | 3,094 | 497 | -2,417 | -3,720 | -4,155 | -2,826 |
| Iowa | 2,874 | 18,169 | 8,860 | -19,964 | -19,504 | -15,538 | -1,673 |
| Kansas | -796 | 14,219 | 6,918 | -8,986 | -13,872 | -13,675 | -12,141 |
| Kentucky | 10,209 | 6,435 | 5,196 | -4,344 | -9,599 | -4,460 | -2,846 |
| Louisiana | 58,314 | 10,719 | 22,799 | -24,437 | -20,246 | -4,409 | 7,158 |
| Maryland | -2,128 | -346 | 288 | -1,099 | -652 | -2,598 | -2,904 |
| Michigan | 43,376 | 58,969 | 44,138 | -54,740 | -65,317 | -74,298 | -76,375 |
| Minnesota | -274 | 22 | 10 | -196 | -279 | -269 | -221 |
| Mississippi | 7,009 | -13,517 | 825 | -18,359 | 9,728 | 11,902 | 13,724 |
| Missouri | -816 | -118 | -124 | -330 | -244 | 25 | 24 |
| Montana | 7,240 | 3,051 | 3,536 | 2,479 | -2,451 | -4,466 | -4,171 |
| Nebraska | 464 | 1,209 | 327 | 64 | -1,400 | -839 | -633 |
| New Mexico | 9,745 | -302 | -1,194 | -2,223 | -488 | 1,475 | 3,751 |
| New York | 14,193 | 10,444 | 7,608 | -4,921 | -14,541 | -9,405 | -6,908 |
| Ohio | 4,840 | 21,319 | 18,578 | -7,023 | -22,743 | -25,825 | -25,872 |
| Oklahoma | 11,813 | 11,329 | 6,616 | -14,498 | -10,303 | -13,480 | -5,348 |
| Oregon | -955 | 3,090 | -454 | -725 | -2,316 | 431 | -1,178 |
| Pennsylvania | 17,829 | 35,891 | 25,911 | -30,599 | -54,224 | -28,602 | -39,628 |
| Tennessee | -35 | 138 | 59 | 23 | 2 | -58 | -82 |
| Texas | 59,567 | 15,521 | -3,988 | -35,252 | -12,209 | 28,909 | 26,156 |
| Utah | 7,760 | 7,577 | 6,999 | -2,699 | -5,992 | -3,631 | -4,035 |
| Virginia | -973 | -186 | 457 | -1,094 | -176 | 214 | 74 |
| Washington | -802 | 1,698 | 1,393 | 53 | -2,437 | -2,448 | 1,854 |
| West Virginia | 17,127 | 23,533 | 27,577 | -7,429 | -22,336 | -28,124 | -29,175 |
| Wyoming | 2,911 | 3,553 | 3,845 | -702 | -841 | -1,932 | -612 |
| **Regions** | | | | | | | |
| East Region | 50,888 | 90,655 | 80,420 | -52,163 | -114,671 | -94,340 | -104,413 |
| South Central Region | 137,912 | 34,995 | 33,396 | -105,301 | -43,688 | 11,385 | 31,635 |
| Midwest Region | 51,647 | 131,047 | 63,655 | -125,358 | -141,382 | -133,497 | -112,753 |
| Mountain Region | 33,542 | 24,109 | 14,985 | -5,921 | -15,884 | -15,390 | -8,038 |
| Pacific Region | 50,417 | 37,856 | 12,049 | -1,037 | -16,903 | -1,727 | 9,052 |
| **Total Lower 48 States** | **324,407** | **318,661** | **204,505** | **-289,780** | **-332,528** | **-233,570** | **-184,516** |
| **U.S. Total** | **323,511** | **320,339** | **204,881** | **-290,522** | **-334,064** | **-235,365** | **-186,378** |

See footnotes at end of table.

## Table 12. Net withdrawals from underground storage, by state, 2018-2020
(million cubic feet) – continued

| State | June | May | April | March | February | January |
|---|---|---|---|---|---|---|
| | | | | | | 2018 |
| Alabama | 1,165 | -3,590 | -2,801 | -2,192 | 885 | 7,522 |
| Alaska[a] | -1,749 | -856 | 25 | 1,020 | 1,988 | 2,559 |
| Arkansas | -838 | -917 | -193 | 776 | 616 | 951 |
| California | -18,473 | -29,083 | -18,639 | 10,696 | 25,368 | 41,978 |
| Colorado | -6,154 | -6,557 | 127 | 4,370 | 9,346 | 9,686 |
| Illinois | -29,674 | -20,286 | 7,769 | 31,354 | 43,006 | 64,676 |
| Indiana | -3,023 | -1,240 | 542 | 3,497 | 4,115 | 5,357 |
| Iowa | -1,593 | -2,828 | 1,387 | 6,081 | 9,545 | 19,932 |
| Kansas | -12,300 | -12,254 | -1,471 | 9,818 | 19,645 | 23,304 |
| Kentucky | -5,514 | -10,612 | 3,827 | 312 | 8,578 | 23,235 |
| Louisiana | -17,984 | -42,625 | 7,969 | 7,193 | 16,429 | 95,750 |
| Maryland | -3,246 | -1,661 | 654 | 1,983 | 2,961 | 4,492 |
| Michigan | -75,997 | -75,307 | 15,716 | 77,908 | 107,038 | 161,641 |
| Minnesota | -162 | 6 | 112 | 175 | 290 | 238 |
| Mississippi | -1,213 | -15,259 | -3,445 | -2,922 | -12,144 | 37,691 |
| Missouri | 25 | -345 | 321 | 98 | -133 | -15 |
| Montana | -4,023 | -4,084 | -591 | 4,348 | 6,469 | 7,142 |
| Nebraska | -887 | -2,061 | -472 | 1 | 1,856 | 3,298 |
| New Mexico | 93 | -818 | -258 | 1,785 | 3,846 | 4,077 |
| New York | -8,007 | -12,164 | -952 | 14,822 | 15,424 | 22,793 |
| Ohio | -25,869 | -26,345 | 4,379 | 27,353 | 24,424 | 42,463 |
| Oklahoma | -13,098 | -17,878 | -6,196 | 5,470 | 31,221 | 37,977 |
| Oregon | -2,824 | -2,644 | 29 | -261 | 2,704 | 3,193 |
| Pennsylvania | -46,334 | -50,138 | 858 | 60,784 | 53,807 | 90,102 |
| Tennessee | -75 | -96 | -44 | -30 | 25 | 104 |
| Texas | -22,377 | -37,196 | -28,408 | -15,080 | 36,356 | 107,134 |
| Utah | -6,954 | -8,576 | -1,893 | 3,257 | 9,335 | 14,371 |
| Virginia | -77 | -607 | -627 | 1,485 | -193 | -243 |
| Washington | -5,671 | -4,561 | -2,546 | 2,206 | 6,762 | 2,896 |
| West Virginia | -33,562 | -28,088 | -6,014 | 28,590 | 33,907 | 58,248 |
| Wyoming | -2,156 | -4,390 | -936 | 136 | 3,444 | 3,503 |
| **Regions** | | | | | | |
| East Region | -117,095 | -119,003 | -1,702 | 135,016 | 130,329 | 217,855 |
| South Central Region | -66,645 | -129,720 | -34,545 | 3,063 | 93,007 | 310,329 |
| Midwest Region | -116,013 | -110,707 | 29,630 | 119,395 | 172,464 | 275,168 |
| Mountain Region | -20,081 | -26,486 | -4,022 | 13,898 | 34,295 | 42,077 |
| Pacific Region | -26,969 | -36,288 | -21,156 | 12,640 | 34,834 | 48,067 |
| **Total Lower 48 States** | **-346,803** | **-422,203** | **-31,796** | **284,013** | **464,929** | **893,495** |
| **U.S. Total** | **-348,552** | **-423,060** | **-31,771** | **285,033** | **466,917** | **896,054** |

[a] Alaska data are not included in the regions' totals or the lower 48 states total.

* Volume is less than 500 Mcf.

**Notes:** This table contains total net withdrawals for each of the states with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. EIA publishes weekly estimates of working gas in underground storage by geographical region. See Explanatory Note 5 in Appendix A for a list of the five regions shown in this table and the states included in each.

**Source:** U.S. Energy Information Administration (EIA): Form EIA-191, *Monthly Underground Gas Storage Report*.