

TABLE 10

Federal obligations for science and engineering to universities and colleges, by state, outlying area, and agency: FY 2019

(Dollars in thousands)

| State and outlying area | All agencies | DOC | DOD | DOE | DOI | ED | EPA | HHS | NASA | NSF | USDA | Other ^a |
|-------------------------------|--------------|-----------|-------------|-------------|----------|-----------|---------|--------------|-------------|-------------|-------------|--------------------|
| All states and outlying areas | 38,084,768.1 | 424,013.6 | 4,679,372.0 | 1,369,567.0 | 63,631.0 | 176,914.7 | 9,416.9 | 22,637,592.7 | 1,077,685.0 | 6,057,633.1 | 1,243,381.7 | 345,560.3 |
| Alabama | 540,544.4 | 6,579.7 | 52,233.8 | 9,922.7 | 519.1 | 343.6 | 0.0 | 361,514.3 | 13,238.1 | 57,563.5 | 26,655.1 | 11,974.4 |
| Alaska | 115,684.0 | 3,363.1 | 9,883.8 | 3,850.0 | 4,385.1 | 0.0 | 0.0 | 15,128.5 | 14,703.7 | 57,748.3 | 3,714.9 | 2,906.6 |
| Arizona | 482,710.9 | 1,650.6 | 40,541.8 | 22,409.8 | 1,636.1 | 4,416.3 | 2,150.0 | 208,248.3 | 61,158.7 | 124,168.0 | 12,831.1 | 3,500.2 |
| Arkansas | 112,667.8 | 0.0 | 12,185.6 | 1,020.0 | 149.4 | 0.0 | 0.0 | 47,245.6 | 644.6 | 18,685.0 | 29,937.4 | 2,800.2 |
| California | 4,906,328.5 | 12,774.9 | 430,002.6 | 165,073.9 | 9,113.0 | 13,013.4 | 317.1 | 3,335,208.2 | 101,996.4 | 741,790.5 | 72,862.4 | 24,176.2 |
| Colorado | 811,513.0 | 89,915.8 | 59,916.7 | 27,614.0 | 6,507.5 | 2,152.9 | 0.0 | 336,235.9 | 75,141.1 | 180,984.0 | 29,369.6 | 3,675.5 |
| Connecticut | 688,353.2 | 5,317.5 | 32,953.3 | 11,663.3 | 132.0 | 2,732.2 | 440.2 | 556,508.1 | 4,572.0 | 65,352.8 | 6,539.8 | 2,141.9 |
| Delaware | 138,647.1 | 16,547.6 | 18,692.7 | 7,132.2 | 378.7 | 2,596.1 | 0.0 | 40,730.7 | 2,870.3 | 38,867.4 | 10,681.0 | 150.4 |
| District of Columbia | 498,905.8 | 1,200.8 | 17,844.0 | 1,503.8 | 41.4 | 872.1 | 0.0 | 178,899.2 | 151,667.4 | 142,635.6 | 958.4 | 3,283.0 |
| Florida | 1,005,064.8 | 17,512.2 | 79,614.2 | 33,880.7 | 2,524.4 | 16,298.9 | 0.0 | 525,737.0 | 21,657.7 | 225,749.0 | 53,501.7 | 28,589.0 |
| Georgia | 1,377,691.0 | 7,348.5 | 520,246.1 | 24,196.7 | 296.4 | 4,125.1 | 334.3 | 605,094.9 | 14,693.4 | 156,301.0 | 39,364.9 | 5,689.8 |
| Hawaii | 172,601.3 | 50.0 | 36,136.6 | 5,528.2 | 1,267.9 | 0.0 | 0.0 | 55,399.4 | 22,669.6 | 45,950.5 | 5,399.1 | 200.0 |
| Idaho | 71,398.1 | 680.6 | 5,520.3 | 4,927.1 | 1,000.8 | 216.8 | 0.0 | 15,240.9 | 2,140.5 | 30,443.0 | 11,228.1 | 0.0 |
| Illinois | 1,419,237.7 | 6,552.1 | 93,712.3 | 64,733.6 | 955.0 | 5,110.6 | 0.0 | 923,257.0 | 18,167.3 | 267,021.6 | 32,310.4 | 7,418.0 |
| Indiana | 611,975.1 | 5,802.6 | 54,860.8 | 32,661.4 | 609.2 | 2,165.2 | 0.0 | 310,965.7 | 7,508.6 | 163,019.8 | 27,318.1 | 7,063.6 |
| Iowa | 312,625.5 | 6,609.1 | 12,664.0 | 5,810.3 | 283.8 | 972.7 | 0.0 | 201,384.1 | 5,052.4 | 42,984.5 | 29,989.7 | 6,875.0 |
| Kansas | 254,812.7 | 904.0 | 37,757.0 | 8,740.4 | 350.4 | 10,113.9 | 0.0 | 112,340.0 | 2,172.9 | 37,234.0 | 31,210.7 | 13,989.3 |
| Kentucky | 296,526.1 | 1,115.2 | 12,199.3 | 3,993.8 | 412.1 | 1,344.0 | 0.0 | 224,903.0 | 940.3 | 29,635.3 | 21,983.1 | 0.0 |
| Louisiana | 253,580.2 | 4,160.1 | 13,048.6 | 2,433.0 | 1,644.4 | 3,115.1 | 0.0 | 172,374.2 | 1,158.2 | 33,148.2 | 17,349.7 | 5,148.6 |
| Maine | 68,889.3 | 5,201.3 | 17,860.2 | 1,167.9 | 0.0 | 0.0 | 0.0 | 7,093.5 | 898.3 | 17,490.7 | 7,818.6 | 11,359.0 |
| Maryland | 2,415,778.0 | 24,253.5 | 979,242.1 | 20,125.8 | 485.0 | 5,417.2 | 600.0 | 1,017,227.4 | 223,417.9 | 113,666.9 | 25,600.7 | 5,741.4 |
| Massachusetts | 1,917,570.9 | 16,300.8 | 208,366.1 | 80,624.3 | 2,868.3 | 6,782.8 | 2,348.3 | 1,110,108.3 | 32,119.3 | 430,696.8 | 16,194.4 | 11,161.4 |
| Michigan | 1,231,391.0 | 9,296.7 | 61,210.2 | 132,021.7 | 311.8 | 2,965.5 | 0.0 | 734,190.1 | 18,088.8 | 227,446.1 | 29,509.9 | 16,350.4 |
| Minnesota | 483,036.7 | 1,741.0 | 23,407.4 | 17,600.3 | 926.4 | 5,107.3 | 0.0 | 300,937.0 | 4,167.2 | 84,825.0 | 44,325.0 | 0.0 |
| Mississippi | 216,017.8 | 25,170.4 | 60,868.4 | 5,547.7 | 396.9 | 1,249.8 | 0.0 | 53,869.4 | 747.6 | 24,330.4 | 37,335.2 | 6,502.1 |
| Missouri | 761,665.0 | 0.0 | 58,187.9 | 6,878.9 | 126.4 | 3,957.8 | 0.0 | 612,368.1 | 6,391.7 | 48,853.9 | 20,632.9 | 4,267.4 |
| Montana | 102,503.4 | 1,023.2 | 4,988.9 | 3,750.8 | 1,374.1 | 0.0 | 0.0 | 34,944.5 | 5,081.9 | 29,275.3 | 18,170.4 | 3,894.2 |
| Nebraska | 215,852.4 | 1,466.5 | 21,096.9 | 7,083.3 | 181.0 | 3,700.2 | 0.0 | 121,812.5 | 0.0 | 40,329.0 | 14,634.3 | 5,548.6 |
| Nevada | 91,097.7 | 1,310.1 | 10,061.6 | 3,321.6 | 1,685.5 | 0.0 | 0.0 | 39,444.2 | 1,279.5 | 25,352.7 | 5,842.2 | 2,800.2 |
| New Hampshire | 168,813.3 | 7,757.2 | 7,957.8 | 4,364.7 | 895.6 | 0.0 | 0.0 | 92,344.8 | 12,764.7 | 38,686.1 | 4,042.4 | 0.0 |
| New Jersey | 504,752.6 | 12,909.6 | 54,071.5 | 23,979.7 | 929.6 | 874.8 | 0.0 | 238,608.1 | 13,276.9 | 132,856.2 | 12,833.3 | 14,412.8 |
| New Mexico | 176,029.4 | 10.0 | 22,882.6 | 4,711.8 | 1,741.0 | 249.7 | 300.0 | 85,173.3 | 3,289.3 | 40,764.8 | 16,774.0 | 132.9 |
| New York | 3,160,971.0 | 15,958.0 | 136,931.2 | 137,879.2 | 1,461.7 | 7,389.4 | 317.1 | 2,321,161.4 | 34,646.7 | 441,208.0 | 49,658.9 | 14,359.6 |
| North Carolina | 1,662,046.6 | 8,889.2 | 83,461.7 | 32,020.1 | 2,111.7 | 9,950.9 | 0.0 | 1,257,004.0 | 5,391.8 | 182,604.9 | 68,090.2 | 12,522.1 |

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|--|--------------|----------|-----------|-----------|---------|----------|---------|-------------|----------|-----------|----------|--------------------|
| North Dakota | 49,688.3 | 0.0 | 1,195.1 | 0.0 | 48.0 | 0.0 | 0.0 | 22,112.9 | 297.4 | 7,986.9 | 12,475.2 | 5,572.8 |
| Ohio | 978,559.4 | 2,614.0 | 155,842.2 | 27,594.3 | 382.8 | 4,679.5 | 0.0 | 615,103.2 | 12,417.0 | 120,900.4 | 32,211.1 | 6,815.1 |
| Oklahoma | 209,141.6 | 23,707.9 | 6,929.3 | 12,663.8 | 1,391.0 | 768.4 | 0.0 | 89,262.6 | 26,337.0 | 27,874.6 | 17,326.1 | 2,880.8 |
| Oregon | 615,132.8 | 7,136.5 | 22,761.8 | 9,406.6 | 2,066.5 | 8,823.1 | 0.0 | 348,255.2 | 6,843.2 | 185,345.4 | 18,727.3 | 5,767.2 |
| Pennsylvania | 2,403,531.7 | 4,550.0 | 523,339.4 | 37,466.8 | 344.1 | 7,888.7 | 1,759.8 | 1,464,515.1 | 24,631.4 | 280,765.9 | 39,146.6 | 19,123.9 |
| Rhode Island | 216,940.8 | 8,261.7 | 23,052.7 | 2,750.7 | 0.0 | 1,203.7 | 0.0 | 124,029.8 | 2,260.9 | 51,626.6 | 3,504.6 | 250.0 |
| South Carolina | 287,364.3 | 3,027.2 | 10,934.2 | 7,533.9 | 509.4 | 1,381.4 | 0.0 | 193,516.8 | 4,022.6 | 47,848.9 | 15,572.7 | 3,017.2 |
| South Dakota | 45,425.4 | 600.0 | 873.1 | 306.1 | 655.0 | 0.0 | 0.0 | 10,619.6 | 410.2 | 19,880.6 | 12,081.0 | 0.0 |
| Tennessee | 662,341.7 | 2,227.2 | 39,001.5 | 41,273.4 | 778.7 | 5,256.6 | 850.0 | 461,693.6 | 5,505.1 | 75,825.2 | 27,511.8 | 2,418.6 |
| Texas | 2,146,144.9 | 14,530.2 | 259,320.0 | 62,197.6 | 1,076.0 | 12,871.6 | 0.0 | 1,248,368.4 | 54,413.1 | 400,229.6 | 73,803.5 | 19,335.0 |
| Utah | 546,005.3 | 440.4 | 119,039.9 | 137,814.3 | 271.0 | 970.8 | 0.0 | 214,777.3 | 13,213.4 | 49,801.9 | 8,939.6 | 736.8 |
| Vermont | 92,230.1 | 1,808.5 | 8,559.2 | 679.5 | 250.0 | 0.0 | 0.0 | 55,958.8 | 45.0 | 5,684.1 | 19,155.1 | 90.0 |
| Virginia | 641,633.7 | 8,433.6 | 103,280.5 | 18,658.4 | 536.6 | 8,498.6 | 0.0 | 306,099.0 | 12,131.3 | 135,656.8 | 25,596.6 | 22,742.3 |
| Washington | 1,021,099.3 | 19,024.9 | 82,317.9 | 29,209.9 | 5,757.0 | 2,654.9 | 0.0 | 691,957.4 | 16,373.7 | 133,469.4 | 31,910.7 | 8,423.5 |
| West Virginia | 68,634.2 | 768.0 | 3,664.5 | 4,487.4 | 57.4 | 0.0 | 0.0 | 35,500.1 | 1,638.0 | 10,270.1 | 11,541.8 | 706.9 |
| Wisconsin | 698,206.5 | 4,083.5 | 25,937.1 | 57,801.4 | 1,661.0 | 3,195.0 | 0.0 | 425,987.3 | 12,457.6 | 118,615.0 | 39,422.1 | 9,046.4 |
| Wyoming | 45,662.6 | 1,464.7 | 856.7 | 1,550.0 | 145.1 | 0.0 | 0.0 | 10,526.7 | 408.4 | 27,082.1 | 3,629.0 | 0.0 |
| American Samoa | 1,604.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,604.9 | 0.0 |
| Guam | 5,382.6 | 416.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1,488.1 | 0.0 | 1,209.5 | 2,268.6 | 0.0 |
| Puerto Rico | 94,104.1 | 1,547.5 | 1,849.6 | 0.0 | 0.0 | 1,487.9 | 0.0 | 64,559.8 | 565.0 | 16,969.5 | 7,124.9 | 0.0 |
| Trust Territory of the Pacific Islands | 3,131.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3,131.2 | 0.0 |
| Virgin Islands | 5,520.5 | 0.0 | 9.5 | 0.0 | 0.0 | 0.0 | 0.0 | 559.5 | 0.0 | 2,921.6 | 2,029.9 | 0.0 |

DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; DOI = Department of the Interior; ED = Department of Education; EPA = Environmental Protection Agency; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = Department of Agriculture.

^a Includes obligations from the following agencies: the Agency for International Development, the Appalachian Regional Commission, the Department of Homeland Security, the Department of Housing and Urban Development, the Department of Justice, the Department of Transportation, the Nuclear Regulatory Commission, and the Social Security Administration.

Note(s):

Detail may not add to total because of rounding. Only those agencies that had obligations in the variables represented by this table appear in the table.

Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, FY 2019.