

TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID-DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution    | All agencies | AID      | ARC   | DHS      | DOC       | DOD <sup>a</sup> |             |                     |               | DOE         | DOI      |
|--|--------------|----------|-------|----------|-----------|------------------|-------------|---------------------|---------------|-------------|----------|
|  |              |          |       |          |           | Total            | Research    | Development         |               |             |          |
|  |              |          |       |          |           |                  |             | Advanced technology | Major systems |             |          |
| All states and outlying areas            | 35,125,460.1 | 57,182.1 | 593.6 | 20,385.5 | 348,756.3 | 4,679,372.0      | 2,662,678.2 | 959,543.3           | 1,057,150.4   | 1,262,777.4 | 63,631.0 |
| Alabama                                  | 491,035.2    | 0.0      | 0.0   | 635.3    | 6,579.7   | 52,233.8         | 5,027.9     | 34,095.8            | 13,110.0      | 9,360.2     | 519.1    |
| Alabama A&M U.                           | 3,271.2      | 0.0      | 0.0   | 0.0      | 0.0       | 196.0            | 196.0       | 0.0                 | 0.0           | 0.0         | 0.0      |
| Alabama State U.                         | 2,122.4      | 0.0      | 0.0   | 0.0      | 0.0       | 600.0            | 600.0       | 0.0                 | 0.0           | 0.0         | 0.0      |
| Auburn U., Auburn                        | 40,829.9     | 0.0      | 0.0   | 635.3    | 2,887.0   | 1,670.9          | 1,420.9     | 250.0               | 0.0           | 2,330.0     | 245.7    |
| Gadsden State Community C.               | 87.0         | 0.0      | 0.0   | 0.0      | 0.0       | 0.0              | 0.0         | 0.0                 | 0.0           | 0.0         | 0.0      |
| Lawson State Community C., Birmingham    | 73.8         | 0.0      | 0.0   | 0.0      | 0.0       | 0.0              | 0.0         | 0.0                 | 0.0           | 0.0         | 0.0      |
| Marine Environmental Sciences Consortium | 1,315.0      | 0.0      | 0.0   | 0.0      | 202.4     | 170.0            | 170.0       | 0.0                 | 0.0           | 0.0         | 0.0      |
| Oakwood U.                               | 205.8        | 0.0      | 0.0   | 0.0      | 0.0       | 205.8            | 205.8       | 0.0                 | 0.0           | 0.0         | 0.0      |
| Troy U.                                  | 2,914.0      | 0.0      | 0.0   | 0.0      | 2,700.0   | 0.0              | 0.0         | 0.0                 | 0.0           | 0.0         | 0.0      |
| Tuskegee U.                              | 6,667.3      | 0.0      | 0.0   | 0.0      | 0.0       | 192.7            | 192.7       | 0.0                 | 0.0           | 0.0         | 0.0      |
| U. Alabama, Birmingham                   | 348,770.2    | 0.0      | 0.0   | 0.0      | 0.0       | 13,514.1         | 80.0        | 12,452.2            | 981.9         | 513.0       | 0.0      |
| U. Alabama, Huntsville                   | 43,995.6     | 0.0      | 0.0   | 0.0      | 217.1     | 33,867.7         | 346.1       | 21,393.6            | 12,128.1      | 505.4       | 0.0      |
| U. Alabama, system office                | 980.9        | 0.0      | 0.0   | 0.0      | 0.0       | 852.4            | 852.4       | 0.0                 | 0.0           | 0.0         | 113.5    |
| U. Alabama, Tuscaloosa                   | 22,519.7     | 0.0      | 0.0   | 0.0      | 0.0       | 834.0            | 834.0       | 0.0                 | 0.0           | 3,300.8     | 150.0    |
| U. North Alabama                         | 672.0        | 0.0      | 0.0   | 0.0      | 0.0       | 0.0              | 0.0         | 0.0                 | 0.0           | 0.0         | 0.0      |
| U. South Alabama                         | 16,593.8     | 0.0      | 0.0   | 0.0      | 573.2     | 130.0            | 130.0       | 0.0                 | 0.0           | 2,711.0     | 10.0     |
| U. West Alabama                          | 16.5         | 0.0      | 0.0   | 0.0      | 0.0       | 0.0              | 0.0         | 0.0                 | 0.0           | 0.0         | 0.0      |
| Alaska                                   | 103,531.5    | 0.0      | 0.0   | 0.0      | 2,863.1   | 9,883.8          | 9,883.8     | 0.0                 | 0.0           | 3,850.0     | 4,385.1  |
| Alaska Pacific U.                        | 23.3         | 0.0      | 0.0   | 0.0      | 0.0       | 0.0              | 0.0         | 0.0                 | 0.0           | 0.0         | 0.0      |
| U. Alaska System of Higher Education     | 1,256.4      | 0.0      | 0.0   | 0.0      | 0.0       | 0.0              | 0.0         | 0.0                 | 0.0           | 1,150.0     | 0.0      |
| U. Alaska, Anchorage, Anchorage Campus   | 3,909.9      | 0.0      | 0.0   | 0.0      | 0.0       | 0.0              | 0.0         | 0.0                 | 0.0           | 0.0         | 858.9    |
| U. Alaska, Fairbanks, Fairbanks Campus   | 94,421.6     | 0.0      | 0.0   | 0.0      | 0.0       | 9,883.8          | 9,883.8     | 0.0                 | 0.0           | 2,700.0     | 3,376.1  |

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|--|--------------|---------|-----|---------|----------|------------------|-----------|---------------------|---------------|-----------|---------|
|  |              |         |     |         |          | Total            | Research  | Development         |               |           |         |
|  |              |         |     |         |          |                  |           | Advanced technology | Major systems |           |         |
| U. Alaska, Southeast, Juneau             | 3,920.4      | 0.0     | 0.0 | 0.0     | 2,863.1  | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0       | 150.2   |
| Arizona                                  | 441,188.2    | 450.0   | 0.0 | 0.0     | 1,650.6  | 40,541.8         | 35,847.8  | 2,843.9             | 1,850.2       | 22,409.8  | 1,636.1 |
| Arizona State U.                         | 161,049.8    | 450.0   | 0.0 | 0.0     | 35.3     | 24,645.4         | 22,795.2  | 0.0                 | 1,850.2       | 12,534.4  | 217.7   |
| Central Arizona C.                       | 92.0         | 0.0     | 0.0 | 0.0     | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0       | 0.0     |
| Dine C.                                  | 200.0        | 0.0     | 0.0 | 0.0     | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0       | 0.0     |
| Midwestern U., Glendale                  | 547.9        | 0.0     | 0.0 | 0.0     | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0       | 0.0     |
| Northern Arizona U.                      | 25,811.4     | 0.0     | 0.0 | 0.0     | 195.1    | 4,279.6          | 3,852.2   | 427.3               | 0.0           | 1,742.5   | 260.5   |
| Pima Community C.                        | 274.5        | 0.0     | 0.0 | 0.0     | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0       | 0.0     |
| Tohono O'odham Community C.              | 430.5        | 0.0     | 0.0 | 0.0     | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0       | 0.0     |
| U. Arizona                               | 252,782.1    | 0.0     | 0.0 | 0.0     | 1,420.1  | 11,616.9         | 9,200.3   | 2,416.5             | 0.0           | 8,132.9   | 1,157.9 |
| Arkansas                                 | 93,614.8     | 0.0     | 0.0 | 0.0     | 0.0      | 12,185.6         | 4,854.6   | 7,331.0             | 0.0           | 1,020.0   | 149.4   |
| Arkansas State U., Jonesboro             | 560.7        | 0.0     | 0.0 | 0.0     | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0       | 88.7    |
| Phillips Community C. of the U. Arkansas | 53.6         | 0.0     | 0.0 | 0.0     | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0       | 0.0     |
| South Arkansas Community C.              | 48.5         | 0.0     | 0.0 | 0.0     | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0       | 0.0     |
| U. Arkansas for Medical Sciences         | 41,281.7     | 0.0     | 0.0 | 0.0     | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0       | 0.0     |
| U. Arkansas, Fayetteville                | 27,005.4     | 0.0     | 0.0 | 0.0     | 0.0      | 1,422.6          | 1,277.5   | 145.1               | 0.0           | 750.0     | 0.0     |
| U. Arkansas, Little Rock                 | 6,568.3      | 0.0     | 0.0 | 0.0     | 0.0      | 6,568.3          | 136.4     | 6,431.8             | 0.0           | 0.0       | 0.0     |
| U. Arkansas, Monticello                  | 984.9        | 0.0     | 0.0 | 0.0     | 0.0      | 984.9            | 984.9     | 0.0                 | 0.0           | 0.0       | 0.0     |
| U. Arkansas, Pine Bluff                  | 2,578.7      | 0.0     | 0.0 | 0.0     | 0.0      | 600.0            | 600.0     | 0.0                 | 0.0           | 0.0       | 0.0     |
| U. Arkansas, system office               | 14,101.5     | 0.0     | 0.0 | 0.0     | 0.0      | 2,609.8          | 1,855.7   | 754.1               | 0.0           | 270.0     | 60.7    |
| U. Central Arkansas                      | 431.5        | 0.0     | 0.0 | 0.0     | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0       | 0.0     |
| California                               | 4,630,852.1  | 4,050.0 | 0.0 | 1,233.5 | 12,662.4 | 430,002.6        | 363,131.7 | 65,265.2            | 1,605.7       | 164,144.3 | 9,113.0 |
| California C. of the Arts                | 70.0         | 0.0     | 0.0 | 0.0     | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0       | 0.0     |
| California Institute of Technology       | 192,659.4    | 0.0     | 0.0 | 0.0     | 50.0     | 18,557.4         | 18,557.4  | 0.0                 | 0.0           | 18,896.8  | 3,128.3 |



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|--|--------------|-----|-----|-----|-------|------------------|----------|---------------------|---------------|-------|-------|
|  |              |     |     |     |       | Total            | Research | Development         |               |       |       |
|  |              |     |     |     |       |                  |          | Advanced technology | Major systems |       |       |
| Claremont McKenna C.                       | 1,005.5      | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Cuesta C.                                  | 235.9        | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Dominican U. California                    | 25.0         | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Fielding Graduate U.                       | 463.2        | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Harvey Mudd C.                             | 1,840.6      | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Humboldt State U.                          | 615.2        | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 49.1  |
| Keck Graduate Institute                    | 957.1        | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Loma Linda U.                              | 9,317.7      | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Loyola Marymount U.                        | 1,408.1      | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Menlo C.                                   | 182.5        | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Monterey Peninsula C.                      | 204.1        | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| National Physical Science Consortium       | 317.6        | 0.0 | 0.0 | 0.0 | 317.6 | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Naval Postgraduate School                  | 100.0        | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| North Orange County Community C. District  | 50.7         | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Notre Dame de Namur U.                     | 480.4        | 0.0 | 0.0 | 0.0 | 0.0   | 480.4            | 480.4    | 0.0                 | 0.0           | 0.0   | 0.0   |
| Occidental C.                              | 727.4        | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Ohlone C.                                  | 37.1         | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Pomona C.                                  | 729.0        | 0.0 | 0.0 | 0.0 | 0.0   | 50.4             | 50.4     | 0.0                 | 0.0           | 0.0   | 0.0   |
| Riverside Community C. District, Riverside | 286.0        | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Saddleback C.                              | 3,581.3      | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| San Diego State U., San Diego              | 34,957.5     | 0.0 | 0.0 | 0.0 | 0.0   | 3,366.5          | 3,200.8  | 0.0                 | 165.7         | 437.2 | 134.3 |
| San Francisco State U.                     | 12,136.7     | 0.0 | 0.0 | 0.0 | 0.0   | 1,308.8          | 1,297.0  | 11.8                | 0.0           | 492.8 | 0.0   |
| San Jose State U.                          | 17,249.4     | 0.0 | 0.0 | 0.0 | 0.0   | 695.2            | 563.6    | 0.0                 | 131.6         | 0.0   | 116.2 |
| Santa Clara U.                             | 1,267.0      | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Santa Monica C.                            | 1,220.6      | 0.0 | 0.0 | 0.0 | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0   | 0.0   |
| Scripps Research Institute                 | 221,914.4    | 0.0 | 0.0 | 0.0 | 0.0   | 3,237.5          | 0.0      | 3,237.5             | 0.0           | 0.0   | 0.0   |





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|  |              |         |     |       |          | Total            | Research | Development         |               |         |       |
|  |              |         |     |       |          |                  |          | Advanced technology | Major systems |         |       |
| Southern Connecticut State U.  | 626.7        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Trinity C., Hartford   | 853.7        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| U. Bridgeport  | 90.9         | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| U. Connecticut   | 120,535.0    | 0.0     | 0.0 | 0.0   | 2,952.8  | 4,848.7          | 4,788.7  | 0.0                 | 60.0          | 1,702.0 | 132.0 |
| U. Hartford  | 3.0          | 0.0     | 0.0 | 0.0   | 0.0      | 3.0              | 3.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| U. New Haven   | 429.6        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Wesleyan U.  | 3,975.3      | 0.0     | 0.0 | 0.0   | 145.0    | 573.6            | 573.6    | 0.0                 | 0.0           | 0.0     | 0.0   |
| Western Connecticut State U.   | 339.9        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Yale U.  | 530,722.1    | 0.0     | 0.0 | 372.4 | 0.0      | 27,268.8         | 10,127.0 | 17,141.8            | 0.0           | 9,961.3 | 0.0   |
| Delaware   | 121,590.0    | 0.0     | 0.0 | 0.0   | 15,947.6 | 18,692.7         | 16,481.1 | 2,084.7             | 126.9         | 7,132.2 | 378.7 |
| Delaware State U.  | 8,411.3      | 0.0     | 0.0 | 0.0   | 0.0      | 1,136.5          | 1,136.5  | 0.0                 | 0.0           | 0.0     | 0.0   |
| U. Delaware  | 113,178.6    | 0.0     | 0.0 | 0.0   | 15,947.6 | 17,556.2         | 15,344.6 | 2,084.7             | 126.9         | 7,132.2 | 378.7 |
| District of Columbia   | 399,414.7    | 3,250.0 | 0.0 | 0.0   | 281.6    | 17,844.0         | 16,115.9 | 1,548.1             | 180.0         | 1,503.8 | 41.4  |
| American U.  | 5,893.4      | 0.0     | 0.0 | 0.0   | 0.0      | 533.1            | 533.1    | 0.0                 | 0.0           | 0.0     | 0.0   |
| Association of Universities for Research in Astronomy                  | 168,324.1    | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Catholic U. of America   | 6,796.3      | 0.0     | 0.0 | 0.0   | 136.6    | 148.9            | 148.9    | 0.0                 | 0.0           | 0.0     | 0.0   |
| Consortium for Ocean Leadership  | 1,255.9      | 0.0     | 0.0 | 0.0   | 0.0      | 249.9            | 249.9    | 0.0                 | 0.0           | 0.0     | 0.0   |
| Consortium of Universities of the Washington Metropolitan Area         | 1,105.8      | 0.0     | 0.0 | 0.0   | 0.0      | 1,105.8          | 1,105.8  | 0.0                 | 0.0           | 0.0     | 0.0   |
| Gallaudet U.   | 2,697.3      | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| George Washington U.   | 126,870.6    | 0.0     | 0.0 | 0.0   | 0.0      | 4,115.9          | 3,160.7  | 775.2               | 180.0         | 1,090.9 | 41.4  |
| Georgetown U.  | 69,247.9     | 3,250.0 | 0.0 | 0.0   | 145.0    | 10,038.6         | 9,265.6  | 773.0               | 0.0           | 412.9   | 0.0   |
| Graduate School USA  | 520.1        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Howard U.  | 13,082.1     | 0.0     | 0.0 | 0.0   | 0.0      | 787.5            | 787.5    | 0.0                 | 0.0           | 0.0     | 0.0   |
| Minority Serving Institutions STEM Research and Development Consortium | 472.6        | 0.0     | 0.0 | 0.0   | 0.0      | 472.6            | 472.6    | 0.0                 | 0.0           | 0.0     | 0.0   |

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|                                       |              |         |     |       |          | Total            | Research | Development         |               |          |         |
|                                       |              |         |     |       |          |                  |          | Advanced technology | Major systems |          |         |
| U. of the District of Columbia        | 3,058.4      | 0.0     | 0.0 | 0.0   | 0.0      | 391.8            | 391.8    | 0.0                 | 0.0           | 0.0      | 0.0     |
| Universities Research Association     | 90.1         | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Florida                               | 934,427.7    | 4,117.3 | 0.0 | 401.8 | 17,512.2 | 79,614.2         | 51,015.7 | 28,598.5            | 0.0           | 33,217.2 | 2,524.4 |
| Bethune-Cookman U.                    | 657.8        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Embry-Riddle Aeronautical U.          | 15,406.1     | 0.0     | 0.0 | 0.0   | 27.1     | 423.2            | 423.2    | 0.0                 | 0.0           | 0.0      | 0.0     |
| Florida A&M U.                        | 10,737.3     | 0.0     | 0.0 | 0.0   | 0.0      | 683.8            | 683.8    | 0.0                 | 0.0           | 0.0      | 0.0     |
| Florida Atlantic U.                   | 23,873.3     | 0.0     | 0.0 | 0.0   | 1,274.6  | 2,494.3          | 2,494.3  | 0.0                 | 0.0           | 1,044.2  | 353.7   |
| Florida Gulf Coast U.                 | 1,307.9      | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Florida Institute of Technology       | 4,121.6      | 0.0     | 0.0 | 0.0   | 421.0    | 803.3            | 666.5    | 136.8               | 0.0           | 320.0    | 0.0     |
| Florida International U.              | 59,839.9     | 0.0     | 0.0 | 0.0   | 711.1    | 8,058.1          | 2,060.4  | 5,997.7             | 0.0           | 4,248.0  | 1,307.6 |
| Florida Keys Community C.             | 1,217.9      | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Florida Memorial U.                   | 183.1        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Florida Polytechnic U.                | 75.9         | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Florida State C., Jacksonville        | 224.5        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Florida State U.                      | 120,262.9    | 0.0     | 0.0 | 0.0   | 237.6    | 7,685.9          | 7,536.0  | 149.9               | 0.0           | 8,251.4  | 166.6   |
| Florida Technical C.                  | 401.8        | 0.0     | 0.0 | 401.8 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Indian River State C.                 | 44.9         | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Miami Dade C.                         | 15.6         | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| North Florida C.                      | 1,093.7      | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Nova Southeastern U.                  | 4,164.6      | 0.0     | 0.0 | 0.0   | 582.3    | 658.1            | 0.0      | 658.1               | 0.0           | 0.0      | 0.0     |
| Palm Beach State C.                   | 1,221.8      | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Rollins C.                            | 324.9        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| St. Petersburg C.                     | 100.0        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. Central Florida                    | 77,327.8     | 0.0     | 0.0 | 0.0   | 49.9     | 15,271.1         | 14,971.9 | 299.3               | 0.0           | 2,682.0  | 0.0     |
| U. Florida                            | 314,864.5    | 4,117.3 | 0.0 | 0.0   | 4,420.7  | 24,539.9         | 12,486.6 | 12,053.3            | 0.0           | 11,423.2 | 409.9   |
| U. Miami                              | 203,010.8    | 0.0     | 0.0 | 0.0   | 9,710.0  | 17,442.0         | 8,138.5  | 9,303.5             | 0.0           | 1,200.4  | 166.7   |
| U. North Florida                      | 896.7        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. South Florida, Tampa               | 92,764.9     | 0.0     | 0.0 | 0.0   | 77.9     | 1,554.5          | 1,554.5  | 0.0                 | 0.0           | 4,048.0  | 120.0   |



TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID-DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution | All agencies | AID     | ARC | DHS   | DOC     | DOD <sup>a</sup> |           |                     |               | DOE      | DOI     |
|---------------------------------------|--------------|---------|-----|-------|---------|------------------|-----------|---------------------|---------------|----------|---------|
|                                       |              |         |     |       |         | Total            | Research  | Development         |               |          |         |
|                                       |              |         |     |       |         |                  |           | Advanced technology | Major systems |          |         |
| U. West Florida                       | 287.2        | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Georgia                               | 1,313,038.2  | 3,100.0 | 0.0 | 244.1 | 4,553.9 | 520,246.1        | 399,998.1 | 49,687.1            | 70,560.9      | 23,804.3 | 296.4   |
| Agnes Scott C.                        | 275.9        | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Albany State U.                       | 240.0        | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Augusta U.                            | 50,942.4     | 0.0     | 0.0 | 0.0   | 0.0     | 1,539.2          | 43.0      | 1,496.2             | 0.0           | 0.0      | 0.0     |
| Clark Atlanta U.                      | 2,538.5      | 0.0     | 0.0 | 0.0   | 0.0     | 197.2            | 197.2     | 0.0                 | 0.0           | 119.9    | 0.0     |
| Columbus State U.                     | 20.3         | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Emory U.                              | 397,957.6    | 0.0     | 0.0 | 0.0   | 0.0     | 10,196.0         | 4,789.2   | 5,406.9             | 0.0           | 2,462.9  | 0.0     |
| Fort Valley State U.                  | 3,786.5      | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Georgia C. and State U.               | 99.7         | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Georgia Institute of Technology       | 620,143.6    | 0.0     | 0.0 | 244.1 | 2,998.2 | 481,502.8        | 391,440.2 | 42,784.1            | 47,278.6      | 16,170.2 | 150.0   |
| Georgia Southern U.                   | 203.5        | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Georgia State U.                      | 57,280.7     | 0.0     | 0.0 | 0.0   | 0.0     | 140.8            | 140.8     | 0.0                 | 0.0           | 1,700.0  | 0.0     |
| Kennesaw State U.                     | 2,153.8      | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Mercer U.                             | 23,721.0     | 0.0     | 0.0 | 0.0   | 0.0     | 23,282.3         | 0.0       | 0.0                 | 23,282.3      | 0.0      | 0.0     |
| Middle Georgia State U.               | 479.6        | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Morehouse C.                          | 1,390.4      | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Morehouse School of Medicine          | 14,758.1     | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Reinhardt U.                          | 16.7         | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Savannah State U.                     | 277.6        | 0.0     | 0.0 | 0.0   | 0.0     | 6.0              | 6.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Spelman C.                            | 3,547.4      | 0.0     | 0.0 | 0.0   | 0.0     | 2,790.9          | 2,790.9   | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. Georgia                            | 133,082.1    | 3,100.0 | 0.0 | 0.0   | 1,555.7 | 590.9            | 590.9     | 0.0                 | 0.0           | 3,351.4  | 146.4   |
| U. West Georgia                       | 122.7        | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Hawaii                                | 149,419.2    | 0.0     | 0.0 | 0.0   | 50.0    | 36,136.6         | 11,788.9  | 0.0                 | 24,347.7      | 5,528.2  | 1,267.9 |
| Chaminade U. Honolulu                 | 91.6         | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Hawaii Pacific U.                     | 628.9        | 0.0     | 0.0 | 0.0   | 50.0    | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. Hawaii, Hilo                       | 424.7        | 0.0     | 0.0 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. Hawaii, Manoa                      | 83,987.9     | 0.0     | 0.0 | 0.0   | 0.0     | 8,251.8          | 150.0     | 0.0                 | 8,101.8       | 0.0      | 0.0     |
| U. Hawaii, system office              | 63,793.4     | 0.0     | 0.0 | 0.0   | 0.0     | 27,392.2         | 11,146.2  | 0.0                 | 16,245.9      | 5,528.2  | 1,267.9 |
| U. Hawaii, West Oahu                  | 492.7        | 0.0     | 0.0 | 0.0   | 0.0     | 492.7            | 492.7     | 0.0                 | 0.0           | 0.0      | 0.0     |
| Idaho                                 | 60,218.9     | 0.0     | 0.0 | 0.0   | 0.0     | 5,520.3          | 5,520.3   | 0.0                 | 0.0           | 3,824.9  | 1,000.8 |

TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID-DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution        | All agencies | AID     | ARC | DHS     | DOC     | DOD <sup>a</sup> |          |                     |               | DOE      | DOI   |
|--|--------------|---------|-----|---------|---------|------------------|----------|---------------------|---------------|----------|-------|
|  |              |         |     |         |         | Total            | Research | Development         |               |          |       |
|  |              |         |     |         |         |                  |          | Advanced technology | Major systems |          |       |
| Boise State U.                               | 21,822.6     | 0.0     | 0.0 | 0.0     | 0.0     | 4,901.0          | 4,901.0  | 0.0                 | 0.0           | 3,284.9  | 190.1 |
| C. Idaho                                     | 15.0         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Idaho State U.                               | 1,943.7      | 0.0     | 0.0 | 0.0     | 0.0     | 150.5            | 150.5    | 0.0                 | 0.0           | 165.0    | 182.4 |
| U. Idaho                                     | 36,437.6     | 0.0     | 0.0 | 0.0     | 0.0     | 468.8            | 468.8    | 0.0                 | 0.0           | 375.0    | 628.3 |
| Illinois                                     | 1,317,966.0  | 2,000.0 | 0.0 | 3,988.2 | 1,549.0 | 93,712.3         | 73,964.8 | 19,747.5            | 0.0           | 62,598.9 | 955.0 |
| Augustana C., Rock Island                    | 30.0         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Chicago State U.                             | 793.4        | 0.0     | 0.0 | 0.0     | 0.0     | 470.8            | 470.8    | 0.0                 | 0.0           | 0.0      | 0.0   |
| DePaul U.                                    | 4,201.1      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Dominican U.                                 | 1,680.1      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Erikson Institute                            | 602.5        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Illinois Institute of Technology             | 16,430.9     | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 997.5    | 0.0   |
| Illinois State U.                            | 2,760.7      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 10.0  |
| Knox C.                                      | 88.8         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Loyola U., Chicago                           | 18,316.5     | 0.0     | 0.0 | 0.0     | 0.0     | 55.0             | 55.0     | 0.0                 | 0.0           | 0.0      | 0.0   |
| Midwestern U., Downers Grove                 | 441.0        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Northeastern Illinois U.                     | 1,108.4      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Northern Illinois U.                         | 3,157.1      | 0.0     | 0.0 | 0.0     | 125.9   | 0.0              | 0.0      | 0.0                 | 0.0           | 471.2    | 0.0   |
| Northwestern U., Evanston                    | 470,831.7    | 0.0     | 0.0 | 0.0     | 50.0    | 30,534.1         | 20,896.5 | 9,637.5             | 0.0           | 13,729.4 | 0.0   |
| Parkland C.                                  | 77.2         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Rosalind Franklin U. of Medicine and Science | 5,991.3      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Rush U.                                      | 46,067.4     | 0.0     | 0.0 | 0.0     | 0.0     | 4.5              | 4.5      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Southern Illinois U., Carbondale             | 3,129.7      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 395.3    | 0.0   |
| Southern Illinois U., Edwardsville           | 3,133.8      | 0.0     | 0.0 | 0.0     | 0.0     | 1,848.0          | 135.4    | 1,712.6             | 0.0           | 0.0      | 0.0   |
| Southern Illinois U., system office          | 3,541.5      | 0.0     | 0.0 | 0.0     | 15.2    | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 51.4  |
| Toyota Technological Institute, Chicago      | 440.2        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| U. Chicago                                   | 274,077.3    | 0.0     | 0.0 | 0.0     | 455.0   | 15,628.2         | 13,483.2 | 2,145.0             | 0.0           | 4,812.2  | 0.0   |
| U. Illinois, Chicago                         | 185,498.7    | 0.0     | 0.0 | 0.0     | 374.8   | 5,715.0          | 2,846.7  | 2,868.3             | 0.0           | 3,504.1  | 150.0 |





TABLE 14

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(Dollars in thousands)

| State, outlying area, and institution      | All agencies | AID   | ARC | DHS | DOC      | DOD <sup>a</sup> |           |                     |               | DOE      | DOI     |
|--|--------------|-------|-----|-----|----------|------------------|-----------|---------------------|---------------|----------|---------|
|  |              |       |     |     |          | Total            | Research  | Development         |               |          |         |
|  |              |       |     |     |          |                  |           | Advanced technology | Major systems |          |         |
| Northwest Louisiana Technical Community C. | 58.0         | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Southeastern Louisiana U.                  | 125.1        | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Southern U. and A&M C., Baton Rouge        | 5,009.7      | 0.0   | 0.0 | 0.0 | 0.0      | 699.1            | 699.1     | 0.0                 | 0.0           | 0.0      | 0.0     |
| Tulane U.                                  | 94,695.7     | 0.0   | 0.0 | 0.0 | 0.0      | 7,403.6          | 716.3     | 6,687.4             | 0.0           | 0.0      | 135.5   |
| U. Louisiana, Lafayette                    | 9,883.2      | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 1,200.0 |
| U. Louisiana, Monroe                       | 352.7        | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. New Orleans                             | 1,123.9      | 0.0   | 0.0 | 0.0 | 0.0      | 1,102.0          | 1,102.0   | 0.0                 | 0.0           | 0.0      | 0.0     |
| Xavier U., Louisiana                       | 8,143.6      | 0.0   | 0.0 | 0.0 | 0.0      | 399.6            | 399.6     | 0.0                 | 0.0           | 0.0      | 0.0     |
| Maine                                      | 58,335.1     | 0.0   | 0.0 | 0.0 | 5,201.3  | 17,860.2         | 1,126.0   | 16,734.1            | 0.0           | 1,167.9  | 0.0     |
| Bates C.                                   | 2,879.7      | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Bowdoin C.                                 | 2,013.7      | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Colby C.                                   | 60.8         | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Husson U.                                  | 63.6         | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. Maine                                   | 42,666.5     | 0.0   | 0.0 | 0.0 | 5,201.3  | 17,783.7         | 1,049.5   | 16,734.1            | 0.0           | 675.0    | 0.0     |
| U. Maine, system office                    | 6,521.1      | 0.0   | 0.0 | 0.0 | 0.0      | 76.5             | 76.5      | 0.0                 | 0.0           | 492.9    | 0.0     |
| U. New England                             | 4,069.0      | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. Southern Maine                          | 60.6         | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Maryland                                   | 2,340,951.9  | 650.0 | 0.0 | 0.0 | 18,454.2 | 979,242.1        | 191,090.7 | 220,052.7           | 568,098.8     | 20,125.8 | 485.0   |
| Bowie State U.                             | 422.7        | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| C. Southern Maryland                       | 51.8         | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Frostburg State U.                         | 32.2         | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 32.2    |
| Johns Hopkins U.                           | 1,856,090.9  | 650.0 | 0.0 | 0.0 | 0.0      | 932,012.7        | 155,556.9 | 211,640.3           | 564,815.5     | 9,532.8  | 0.0     |
| Loyola U., Maryland                        | 147.8        | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Morgan State U.                            | 11,740.6     | 0.0   | 0.0 | 0.0 | 0.0      | 615.1            | 615.1     | 0.0                 | 0.0           | 0.0      | 0.0     |
| Prince George's Community C.               | 30.1         | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Salisbury U.                               | 429.9        | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| St. Mary's C. Maryland                     | 185.6        | 0.0   | 0.0 | 0.0 | 0.0      | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| St. Mary's Seminary and U., Baltimore      | 37.0         | 0.0   | 0.0 | 0.0 | 0.0      | 37.0             | 37.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Towson U.                                  | 2,294.7      | 0.0   | 0.0 | 0.0 | 0.0      | 919.7            | 919.7     | 0.0                 | 0.0           | 0.0      | 35.6    |



TABLE 14

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(Dollars in thousands)

| State, outlying area, and institution | All agencies | AID     | ARC | DHS   | DOC      | DOD <sup>a</sup> |          |                     |               | DOE      | DOI     |
|---------------------------------------|--------------|---------|-----|-------|----------|------------------|----------|---------------------|---------------|----------|---------|
|                                       |              |         |     |       |          | Total            | Research | Development         |               |          |         |
|                                       |              |         |     |       |          |                  |          | Advanced technology | Major systems |          |         |
| Massachusetts Institute of Technology | 320,647.6    | 1,000.0 | 0.0 | 0.0   | 2,746.3  | 83,767.5         | 81,142.7 | 2,504.8             | 120.0         | 48,061.3 | 150.0   |
| Merrimack C.                          | 183.1        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| MGH Institute of Health Professions   | 1,756.2      | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Mount Holyoke C.                      | 1,463.0      | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| New England C. of Optometry           | 1,094.0      | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Northeastern U.                       | 105,050.6    | 0.0     | 0.0 | 0.0   | 1,122.9  | 16,390.7         | 16,390.7 | 0.0                 | 0.0           | 2,049.2  | 0.0     |
| Pine Manor C.                         | 17.1         | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Quincy C.                             | 60.0         | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Simmons U.                            | 215.4        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Smith C.                              | 3,349.5      | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Stonehill C.                          | 174.0        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Suffolk U.                            | 127.8        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Tufts U.                              | 96,201.7     | 3,747.0 | 0.0 | 0.0   | 0.0      | 8,137.6          | 8,137.6  | 0.0                 | 0.0           | 2,575.5  | 185.2   |
| U. Massachusetts, Amherst             | 89,302.0     | 0.0     | 0.0 | 0.0   | 290.0    | 12,251.8         | 10,017.2 | 2,234.6             | 0.0           | 3,529.7  | 0.0     |
| U. Massachusetts, Boston              | 10,339.6     | 0.0     | 0.0 | 0.0   | 0.0      | 671.4            | 99.5     | 571.9               | 0.0           | 0.0      | 0.0     |
| U. Massachusetts, central office      | 7,612.7      | 0.0     | 0.0 | 0.0   | 0.0      | 915.0            | 0.0      | 915.0               | 0.0           | 3,442.1  | 1,374.9 |
| U. Massachusetts, Dartmouth           | 5,272.1      | 0.0     | 0.0 | 0.0   | 0.0      | 726.4            | 726.4    | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. Massachusetts, Lowell              | 22,869.9     | 0.0     | 0.0 | 0.0   | 0.0      | 6,545.1          | 6,467.3  | 25.0                | 52.9          | 1,260.0  | 0.0     |
| U. Massachusetts, Medical School      | 147,574.1    | 0.0     | 0.0 | 0.0   | 0.0      | 565.4            | 0.0      | 565.4               | 0.0           | 0.0      | 0.0     |
| Wellesley C.                          | 1,875.4      | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Western New England U.                | 439.4        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Williams C., Williamstown             | 1,031.2      | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Woods Hole Oceanographic Institution  | 143,415.5    | 0.0     | 0.0 | 0.0   | 11,766.2 | 20,334.0         | 17,356.7 | 2,977.3             | 0.0           | 0.0      | 32.2    |
| Worcester Polytechnic Institute       | 15,715.0     | 0.0     | 0.0 | 0.0   | 0.0      | 1,128.5          | 537.3    | 591.2               | 0.0           | 0.0      | 747.4   |
| Michigan                              | 1,089,036.7  | 2,660.3 | 0.0 | 694.9 | 9,296.7  | 61,210.2         | 51,600.7 | 9,276.9             | 332.6         | 55,832.5 | 311.8   |
| Andrews U.                            | 200.6        | 0.0     | 0.0 | 0.0   | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Calvin C.                             | 0.1          | 0.0     | 0.0 | 0.0   | 0.0      | 0.1              | 0.1      | 0.0                 | 0.0           | 0.0      | 0.0     |





TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID–DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution     | All agencies | AID     | ARC | DHS | DOC      | DOD <sup>a</sup> |          |                     |               | DOE      | DOI   |
|---|--------------|---------|-----|-----|----------|------------------|----------|---------------------|---------------|----------|-------|
|   |              |         |     |     |          | Total            | Research | Development         |               |          |       |
|   |              |         |     |     |          |                  |          | Advanced technology | Major systems |          |       |
| Minnesota State C. Southeast              | 88.4         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Minnesota State U., Mankato               | 21.0         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Northland Community and Technical C.      | 1,391.3      | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| St. Catherine U.                          | 258.1        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| St. Cloud State U.                        | 127.1        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| St. Olaf C.                               | 51.8         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| St. Paul C., A Community and Technical C. | 86.9         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| U. Minnesota                              | 426,879.1    | 0.0     | 0.0 | 0.0 | 1,741.0  | 23,407.4         | 13,687.1 | 9,720.3             | 0.0           | 16,960.3 | 926.4 |
| U. of St. Thomas (MN)                     | 373.9        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Winona State U.                           | 590.0        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Mississippi                               | 203,370.0    | 4,000.0 | 0.0 | 0.0 | 25,170.4 | 60,868.4         | 60,249.2 | 619.3               | 0.0           | 5,547.7  | 396.9 |
| Alcorn State U.                           | 2,707.0      | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Hinds Community C.                        | 87.5         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Jackson State U.                          | 6,685.3      | 0.0     | 0.0 | 0.0 | 0.0      | 1,100.5          | 530.5    | 570.0               | 0.0           | 0.0      | 0.0   |
| Mississippi State U.                      | 119,817.3    | 4,000.0 | 0.0 | 0.0 | 17,890.4 | 49,448.3         | 49,399.0 | 49.3                | 0.0           | 5,547.7  | 310.9 |
| Mississippi Valley State U.               | 350.0        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Tougaloo C.                               | 1,327.9      | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| U. Mississippi, Oxford                    | 53,138.2     | 0.0     | 0.0 | 0.0 | 1,593.4  | 3,925.8          | 3,925.8  | 0.0                 | 0.0           | 0.0      | 86.0  |
| U. Southern Mississippi                   | 19,256.8     | 0.0     | 0.0 | 0.0 | 5,686.7  | 6,393.9          | 6,393.9  | 0.0                 | 0.0           | 0.0      | 0.0   |
| Missouri                                  | 707,863.9    | 0.0     | 0.0 | 0.0 | 0.0      | 58,187.9         | 29,196.3 | 28,991.7            | 0.0           | 6,769.9  | 126.4 |
| Harris-Stowe State U.                     | 590.1        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Lincoln U.                                | 899.4        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Missouri State U., Springfield            | 16,197.8     | 0.0     | 0.0 | 0.0 | 0.0      | 15,998.3         | 10,998.3 | 5,000.0             | 0.0           | 0.0      | 19.5  |
| Missouri U. of Science and Technology     | 9,439.3      | 0.0     | 0.0 | 0.0 | 0.0      | 1,236.8          | 1,236.8  | 0.0                 | 0.0           | 925.6    | 0.0   |
| Rockhurst U.                              | 123.9        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Saint Louis U.                            | 24,850.7     | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 97.1  |
| St. Louis C. of Pharmacy                  | 7,895.7      | 0.0     | 0.0 | 0.0 | 0.0      | 2,303.1          | 0.0      | 2,303.1             | 0.0           | 0.0      | 0.0   |

TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID–DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution | All agencies | AID | ARC | DHS   | DOC   | DOD <sup>a</sup> |          |                     |               | DOE     | DOI     |
|---------------------------------------|--------------|-----|-----|-------|-------|------------------|----------|---------------------|---------------|---------|---------|
|                                       |              |     |     |       |       | Total            | Research | Development         |               |         |         |
|                                       |              |     |     |       |       |                  |          | Advanced technology | Major systems |         |         |
| St. Louis Community C.                | 74.7         | 0.0 | 0.0 | 0.0   | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0     |
| U. Missouri System                    | 18,314.2     | 0.0 | 0.0 | 0.0   | 0.0   | 1,910.1          | 1,141.7  | 768.4               | 0.0           | 1,779.3 | 9.8     |
| U. Missouri, Columbia                 | 82,249.3     | 0.0 | 0.0 | 0.0   | 0.0   | 5,899.6          | 5,599.6  | 300.0               | 0.0           | 759.0   | 0.0     |
| U. Missouri, Kansas City              | 8,359.2      | 0.0 | 0.0 | 0.0   | 0.0   | 4,098.4          | 4,098.4  | 0.0                 | 0.0           | 0.0     | 0.0     |
| U. Missouri, Saint Louis              | 3,516.1      | 0.0 | 0.0 | 0.0   | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0     |
| Washington U., Saint Louis            | 535,084.5    | 0.0 | 0.0 | 0.0   | 0.0   | 26,741.6         | 6,121.5  | 20,620.2            | 0.0           | 3,306.1 | 0.0     |
| Webster U.                            | 90.0         | 0.0 | 0.0 | 0.0   | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0     |
| William Jewell C.                     | 179.0        | 0.0 | 0.0 | 0.0   | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0     |
| Montana                               | 89,930.7     | 0.0 | 0.0 | 997.2 | 404.5 | 4,988.9          | 4,988.9  | 0.0                 | 0.0           | 3,735.8 | 1,374.1 |
| Aaniih Nakoda C.                      | 250.0        | 0.0 | 0.0 | 0.0   | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0     |
| Blackfeet Community C.                | 32.5         | 0.0 | 0.0 | 0.0   | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0     |
| Chief Dull Knife C.                   | 335.2        | 0.0 | 0.0 | 0.0   | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0     |
| Fort Peck Community C.                | 156.0        | 0.0 | 0.0 | 0.0   | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0     |
| Little Big Horn C.                    | 12.0         | 0.0 | 0.0 | 0.0   | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0     |
| Montana State U., Billings            | 874.8        | 0.0 | 0.0 | 0.0   | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 874.8   | 0.0     |
| Montana State U., Bozeman             | 45,700.9     | 0.0 | 0.0 | 997.2 | 303.9 | 922.0            | 922.0    | 0.0                 | 0.0           | 2,681.0 | 675.9   |
| Montana Technological U.              | 3,304.0      | 0.0 | 0.0 | 0.0   | 0.0   | 2,750.0          | 2,750.0  | 0.0                 | 0.0           | 0.0     | 299.3   |
| Salish Kootenai C.                    | 919.2        | 0.0 | 0.0 | 0.0   | 0.0   | 122.8            | 122.8    | 0.0                 | 0.0           | 0.0     | 0.0     |
| U. Montana, Missoula                  | 38,344.3     | 0.0 | 0.0 | 0.0   | 100.6 | 1,194.1          | 1,194.1  | 0.0                 | 0.0           | 180.0   | 399.0   |
| U. of Providence                      | 1.8          | 0.0 | 0.0 | 0.0   | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0     |
| Nebraska                              | 190,495.3    | 0.0 | 0.0 | 0.0   | 791.5 | 21,096.9         | 20,137.6 | 614.0               | 345.4         | 7,083.3 | 181.0   |
| Central Community C.                  | 92.0         | 0.0 | 0.0 | 0.0   | 0.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0     |
| Creighton U.                          | 5,791.1      | 0.0 | 0.0 | 0.0   | 0.0   | 144.2            | 144.2    | 0.0                 | 0.0           | 0.0     | 0.0     |
| U. Nebraska, central administration   | 32,592.1     | 0.0 | 0.0 | 0.0   | 0.0   | 16,271.0         | 16,271.0 | 0.0                 | 0.0           | 3,448.7 | 181.0   |
| U. Nebraska, Kearney                  | 300.0        | 0.0 | 0.0 | 0.0   | 0.0   | 300.0            | 300.0    | 0.0                 | 0.0           | 0.0     | 0.0     |
| U. Nebraska, Lincoln                  | 61,018.9     | 0.0 | 0.0 | 0.0   | 791.5 | 3,422.4          | 3,422.4  | 0.0                 | 0.0           | 3,634.6 | 0.0     |



TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID-DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution         | All agencies | AID     | ARC | DHS | DOC     | DOD <sup>a</sup> |          |                     |               | DOE       | DOI     |
|---|--------------|---------|-----|-----|---------|------------------|----------|---------------------|---------------|-----------|---------|
|   |              |         |     |     |         | Total            | Research | Development         |               |           |         |
|   |              |         |     |     |         |                  |          | Advanced technology | Major systems |           |         |
| Stevens Institute of Technology               | 14,104.6     | 0.0     | 0.0 | 0.0 | 151.6   | 7,021.7          | 6,595.1  | 306.6               | 120.0         | 0.0       | 0.0     |
| William Paterson U.                           | 529.4        | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0     |
| New Mexico                                    | 148,433.2    | 0.0     | 0.0 | 0.0 | 10.0    | 22,882.6         | 7,003.9  | 1,987.2             | 13,891.5      | 4,411.0   | 1,741.0 |
| Central New Mexico Community C.               | 275.8        | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0     |
| Navajo Technical U.                           | 1,704.7      | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0     |
| New Mexico Consortium                         | 828.5        | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 148.0     | 0.0     |
| New Mexico Highlands U.                       | 634.0        | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0     |
| New Mexico Institute of Mining and Technology | 4,183.2      | 0.0     | 0.0 | 0.0 | 0.0     | 512.0            | 422.0    | 90.0                | 0.0           | 0.0       | 791.6   |
| New Mexico State U., Las Cruces               | 40,545.8     | 0.0     | 0.0 | 0.0 | 0.0     | 14,790.1         | 980.3    | 0.0                 | 13,809.8      | 1,621.5   | 500.0   |
| Southwestern Indian Polytechnic Institute     | 410.1        | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0     |
| U. New Mexico                                 | 99,851.1     | 0.0     | 0.0 | 0.0 | 10.0    | 7,580.4          | 5,601.6  | 1,897.2             | 81.7          | 2,641.5   | 449.5   |
| New York                                      | 2,978,234.1  | 6,645.8 | 0.0 | 0.0 | 9,828.4 | 136,931.2        | 92,863.2 | 43,972.9            | 95.2          | 136,528.9 | 1,461.7 |
| Adelphi U.                                    | 210.3        | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0     |
| Albany C. of Pharmacy and Health Sciences     | 1,306.8      | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0     |
| Albany Medical C.                             | 13,939.6     | 0.0     | 0.0 | 0.0 | 0.0     | 2,172.7          | 0.0      | 2,172.7             | 0.0           | 0.0       | 0.0     |
| Albert Einstein C. of Medicine                | 167,293.4    | 0.0     | 0.0 | 0.0 | 0.0     | 2,546.8          | 0.0      | 2,546.8             | 0.0           | 0.0       | 0.0     |
| Alfred U.                                     | 706.7        | 0.0     | 0.0 | 0.0 | 0.0     | 590.3            | 590.3    | 0.0                 | 0.0           | 0.0       | 0.0     |
| Bard C.                                       | 129.5        | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0     |
| Barnard C.                                    | 2,264.7      | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0     |
| Buffalo State - SUNY                          | 715.9        | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0     |
| Canisius C.                                   | 673.5        | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 100.0     | 0.0     |
| Clarkson U.                                   | 3,258.1      | 0.0     | 0.0 | 0.0 | 0.0     | 780.2            | 780.2    | 0.0                 | 0.0           | 0.0       | 0.0     |
| Cold Spring Harbor Laboratory                 | 54,225.0     | 0.0     | 0.0 | 0.0 | 0.0     | 672.0            | 0.0      | 672.0               | 0.0           | 1,098.0   | 0.0     |
| Colgate U.                                    | 1,163.7      | 0.0     | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0     |
| Columbia U. in the City of New York           | 653,356.9    | 0.0     | 0.0 | 0.0 | 2,893.5 | 36,625.1         | 25,916.8 | 10,708.3            | 0.0           | 13,163.9  | 283.4   |















TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID-DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution                | All agencies | AID | ARC  | DHS   | DOC     | DOD <sup>a</sup> |           |                     |               | DOE      | DOI   |
|--|--------------|-----|------|-------|---------|------------------|-----------|---------------------|---------------|----------|-------|
|  |              |     |      |       |         | Total            | Research  | Development         |               |          |       |
|  |              |     |      |       |         |                  |           | Advanced technology | Major systems |          |       |
| Bryn Mawr C.   | 954.9        | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Bucknell U.  | 819.8        | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Bucks County Community C., Newtown                   | 78.2         | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Carlow U.  | 18.5         | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Carnegie Mellon U.                                   | 292,261.3    | 0.0 | 0.0  | 594.4 | 1,044.4 | 180,893.2        | 179,843.2 | 0.0                 | 1,050.0       | 8,235.2  | 168.9 |
| Chatham U.   | 548.1        | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Cheyney U. Pennsylvania                              | 40.0         | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Clarion U. Pennsylvania                              | 305.1        | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Community C. Allegheny County                        | 80.5         | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Dickinson C.   | 435.9        | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Drexel U.  | 54,308.6     | 0.0 | 0.0  | 0.0   | 25.6    | 2,580.1          | 2,580.1   | 0.0                 | 0.0           | 325.0    | 0.0   |
| Duquesne U.  | 2,502.7      | 0.0 | 0.0  | 0.0   | 0.0     | 362.7            | 76.8      | 285.9               | 0.0           | 0.0      | 0.0   |
| Edinboro U. Pennsylvania                             | 14.0         | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Franklin and Marshall C.                             | 1,902.1      | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Gettysburg C.  | 546.0        | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 186.1    | 0.0   |
| Haverford C.   | 1,839.5      | 0.0 | 0.0  | 0.0   | 0.0     | 1,446.9          | 1,446.9   | 0.0                 | 0.0           | 0.0      | 0.0   |
| Institute for Public Policy and Economic Development | 93.6         | 0.0 | 93.6 | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Juniata C.   | 790.7        | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Keystone C.  | 30.5         | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Kutztown U. Pennsylvania                             | 45.0         | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Lafayette C.   | 103.8        | 0.0 | 0.0  | 0.0   | 0.0     | 75.0             | 0.0       | 75.0                | 0.0           | 0.0      | 0.0   |
| Lehigh U.  | 20,650.7     | 0.0 | 0.0  | 0.0   | 549.0   | 2,182.8          | 2,182.8   | 0.0                 | 0.0           | 2,389.6  | 0.0   |
| Lincoln U. of the Commonwealth of Pennsylvania       | 3,472.7      | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Marywood U.  | 13.9         | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Millersville U. Pennsylvania                         | 403.2        | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Moravian C.  | 107.3        | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Neumann U.   | 1.5          | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Northampton Community C.                             | 59.9         | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Pennsylvania C. of Technology                        | 137.1        | 0.0 | 0.0  | 0.0   | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0   |
| Pennsylvania State U.                                | 519,995.7    | 0.0 | 0.0  | 0.0   | 2,776.7 | 267,561.6        | 35,559.2  | 9,741.4             | 222,261.0     | 11,441.6 | 175.2 |

TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID-DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution   | All agencies | AID | ARC | DHS | DOC     | DOD <sup>a</sup> |          |                     |               | DOE     | DOI   |
|---|--------------|-----|-----|-----|---------|------------------|----------|---------------------|---------------|---------|-------|
|   |              |     |     |     |         | Total            | Research | Development         |               |         |       |
|   |              |     |     |     |         |                  |          | Advanced technology | Major systems |         |       |
| Philadelphia C. of Osteopathic Medicine | 262.5        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Pittsburgh Institute of Aeronautics     | 15.0         | 0.0 | 0.0 | 0.0 | 0.0     | 15.0             | 15.0     | 0.0                 | 0.0           | 0.0     | 0.0   |
| Pittsburgh Technical C.                 | 59.5         | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Saint Joseph's U.                       | 449.3        | 0.0 | 0.0 | 0.0 | 139.3   | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Salus U.                                | 410.4        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Swarthmore C.                           | 522.4        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Temple U.                               | 96,513.8     | 0.0 | 0.0 | 0.0 | 0.0     | 4,719.3          | 2,199.7  | 2,519.6             | 0.0           | 3,825.0 | 0.0   |
| Thomas Jefferson U.                     | 67,917.6     | 0.0 | 0.0 | 0.0 | 0.0     | 3,073.7          | 0.0      | 3,073.7             | 0.0           | 0.0     | 0.0   |
| U. of the Sciences Philadelphia         | 583.5        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| U. Pennsylvania                         | 625,480.2    | 0.0 | 0.0 | 0.0 | 0.0     | 30,238.9         | 23,715.6 | 6,523.4             | 0.0           | 6,423.9 | 0.0   |
| U. Pittsburgh                           | 581,755.6    | 0.0 | 0.0 | 0.0 | 0.0     | 29,583.8         | 9,840.0  | 19,743.8            | 0.0           | 2,699.0 | 0.0   |
| Ursinus C.                              | 605.8        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Villanova U.                            | 3,821.7      | 0.0 | 0.0 | 0.0 | 0.0     | 606.5            | 606.5    | 0.0                 | 0.0           | 0.0     | 0.0   |
| West Chester U. Pennsylvania            | 66.4         | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Widener U., Chester                     | 280.8        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Wilson C., Chambersburg                 | 50.0         | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Rhode Island                            | 204,531.1    | 0.0 | 0.0 | 0.0 | 6,081.8 | 23,052.7         | 21,472.1 | 1,580.6             | 0.0           | 2,750.7 | 0.0   |
| Brown U.                                | 158,108.6    | 0.0 | 0.0 | 0.0 | 194.6   | 19,283.9         | 17,811.1 | 1,472.8             | 0.0           | 2,750.7 | 0.0   |
| Bryant U.                               | 122.6        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Rhode Island C.                         | 343.1        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| U. Rhode Island                         | 45,956.7     | 0.0 | 0.0 | 0.0 | 5,887.2 | 3,768.8          | 3,661.0  | 107.8               | 0.0           | 0.0     | 0.0   |
| South Carolina                          | 254,014.6    | 0.0 | 0.0 | 0.0 | 3,027.2 | 10,934.2         | 6,383.9  | 4,550.3             | 0.0           | 6,643.7 | 509.4 |
| Anderson U., Anderson, South Carolina   | 212.1        | 0.0 | 0.0 | 0.0 | 0.0     | 212.1            | 212.1    | 0.0                 | 0.0           | 0.0     | 0.0   |
| C. Charleston                           | 1,208.9      | 0.0 | 0.0 | 0.0 | 17.3    | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 42.9  |
| Citadel Military C. South Carolina      | 298.5        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Clafin U.                               | 1,227.3      | 0.0 | 0.0 | 0.0 | 0.0     | 476.8            | 476.8    | 0.0                 | 0.0           | 0.0     | 0.0   |
| Clemson U.                              | 44,266.5     | 0.0 | 0.0 | 0.0 | 321.4   | 4,263.5          | 4,263.5  | 0.0                 | 0.0           | 1,808.3 | 129.3 |
| Furman U.                               | 1,232.9      | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0     | 0.0   |
| Horry-Georgetown Technical C.           | 497.8        | 0.0 | 0.0 | 0.0 | 0.0     | 497.8            | 497.8    | 0.0                 | 0.0           | 0.0     | 0.0   |
| Medical U. South Carolina               | 123,875.7    | 0.0 | 0.0 | 0.0 | 0.0     | 2,052.2          | 99.0     | 1,953.2             | 0.0           | 0.0     | 0.0   |



TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID–DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution | All agencies | AID     | ARC | DHS     | DOC     | DOD <sup>a</sup> |           |                     |               | DOE      | DOI     |
|---------------------------------------|--------------|---------|-----|---------|---------|------------------|-----------|---------------------|---------------|----------|---------|
|                                       |              |         |     |         |         | Total            | Research  | Development         |               |          |         |
|                                       |              |         |     |         |         |                  |           | Advanced technology | Major systems |          |         |
| Roane State Community C.              | 60.0         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Sewanee: U. of the South              | 31.0         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 31.0    |
| Tennessee State U.                    | 10,877.2     | 0.0     | 0.0 | 0.0     | 0.0     | 708.7            | 708.7     | 0.0                 | 0.0           | 0.0      | 0.0     |
| Tennessee Technological U.            | 2,450.5      | 0.0     | 0.0 | 0.0     | 0.0     | 315.0            | 315.0     | 0.0                 | 0.0           | 1,286.5  | 117.0   |
| U. Memphis                            | 7,563.7      | 0.0     | 0.0 | 0.0     | 0.0     | 250.1            | 250.1     | 0.0                 | 0.0           | 0.0      | 198.4   |
| U. Tennessee, Chattanooga             | 3,326.1      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. Tennessee, Health Science Center   | 41,300.4     | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. Tennessee, Knoxville               | 56,454.6     | 0.0     | 0.0 | 1,546.1 | 0.0     | 9,101.0          | 6,477.7   | 1,172.3             | 1,451.0       | 8,596.9  | 314.3   |
| U. Tennessee, system office           | 4,686.2      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Vanderbilt U.                         | 422,500.3    | 500.0   | 0.0 | 0.0     | 75.0    | 21,812.8         | 12,785.4  | 9,027.4             | 0.0           | 7,507.4  | 0.0     |
| Texas                                 | 1,955,672.7  | 2,777.3 | 0.0 | 4,003.2 | 7,236.6 | 259,320.0        | 105,110.9 | 52,833.3            | 101,375.9     | 60,206.2 | 1,076.0 |
| Austin C.                             | 6.4          | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Austin Community C. District          | 1,600.1      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Baylor C. of Medicine                 | 302,907.9    | 0.0     | 0.0 | 0.0     | 0.0     | 9,550.0          | 1,007.2   | 8,542.8             | 0.0           | 0.0      | 0.0     |
| Baylor U.                             | 7,436.8      | 0.0     | 0.0 | 0.0     | 0.0     | 695.2            | 695.2     | 0.0                 | 0.0           | 285.0    | 0.0     |
| Dallas County Community C. District   | 59.7         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| El Paso Community C.                  | 324.0        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Hardin-Simmons U.                     | 250.0        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Huston-Tillotson U.                   | 120.0        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Lamar U.                              | 361.6        | 0.0     | 0.0 | 0.0     | 0.0     | 141.0            | 141.0     | 0.0                 | 0.0           | 0.0      | 0.0     |
| Midwestern State U.                   | 108.2        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| Prairie View A&M U.                   | 7,757.0      | 0.0     | 0.0 | 0.0     | 0.0     | 1,199.8          | 492.9     | 706.9               | 0.0           | 2,000.0  | 0.0     |
| Rice U.                               | 68,477.9     | 0.0     | 0.0 | 0.0     | 80.2    | 15,180.7         | 14,980.7  | 0.0                 | 200.0         | 2,355.0  | 0.0     |
| Sam Houston State U.                  | 1,440.0      | 0.0     | 0.0 | 0.0     | 0.0     | 243.2            | 243.2     | 0.0                 | 0.0           | 0.0      | 0.0     |
| Southern Methodist U.                 | 14,217.3     | 0.0     | 0.0 | 297.3   | 414.4   | 2,504.6          | 2,504.6   | 0.0                 | 0.0           | 927.5    | 0.0     |
| St. Edward's U.                       | 308.8        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0       | 0.0                 | 0.0           | 0.0      | 0.0     |
| St. Mary's U., San Antonio            | 494.9        | 0.0     | 0.0 | 0.0     | 0.0     | 268.2            | 268.2     | 0.0                 | 0.0           | 0.0      | 0.0     |

TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID-DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution          | All agencies | AID     | ARC | DHS     | DOC     | DOD <sup>a</sup> |          |                     |               | DOE      | DOI   |
|--|--------------|---------|-----|---------|---------|------------------|----------|---------------------|---------------|----------|-------|
|  |              |         |     |         |         | Total            | Research | Development         |               |          |       |
|  |              |         |     |         |         |                  |          | Advanced technology | Major systems |          |       |
| Stephen F. Austin State U.                     | 490.6        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 28.3  |
| Sul Ross State U.                              | 25.0         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Tarleton State U.                              | 119.3        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Texas A&M International U.                     | 307.8        | 0.0     | 0.0 | 0.0     | 0.0     | 307.8            | 307.8    | 0.0                 | 0.0           | 0.0      | 0.0   |
| Texas A&M U., College Station                  | 238,487.5    | 0.0     | 0.0 | 3,705.9 | 2,301.0 | 26,086.4         | 25,654.8 | 431.6               | 0.0           | 23,902.1 | 150.0 |
| Texas A&M U., system office                    | 31,710.8     | 2,777.3 | 0.0 | 0.0     | 170.2   | 5,285.3          | 4,245.8  | 1,039.5             | 0.0           | 0.0      | 0.0   |
| Texas A&M U.-Commerce                          | 708.3        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 226.0    | 0.0   |
| Texas A&M U.-Corpus Christi                    | 6,208.5      | 0.0     | 0.0 | 0.0     | 520.7   | 0.0              | 0.0      | 0.0                 | 0.0           | 9.0      | 0.0   |
| Texas A&M U.-Kingsville                        | 4,690.0      | 0.0     | 0.0 | 0.0     | 0.0     | 238.1            | 238.1    | 0.0                 | 0.0           | 0.0      | 0.0   |
| Texas Christian U.                             | 4,107.0      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 36.7     | 0.0   |
| Texas Lutheran U.                              | 294.4        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Texas Southern U.                              | 1,772.0      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Texas State Technical C., Waco                 | 45.6         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Texas State U.                                 | 7,533.0      | 0.0     | 0.0 | 0.0     | 87.3    | 538.0            | 538.0    | 0.0                 | 0.0           | 0.0      | 0.0   |
| Texas Tech U.                                  | 29,264.3     | 0.0     | 0.0 | 0.0     | 1,558.7 | 2,472.8          | 2,472.8  | 0.0                 | 0.0           | 867.7    | 0.0   |
| Texas Tech U., Health Sciences Center, El Paso | 1,266.8      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Texas Tech U. System Administration            | 1,270.2      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Texas Woman's U.                               | 335.8        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Trinity U.                                     | 576.6        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| U. Houston                                     | 31,218.3     | 0.0     | 0.0 | 0.0     | 62.3    | 0.0              | 0.0      | 0.0                 | 0.0           | 3,765.6  | 0.0   |
| U. Houston system administration               | 19,401.0     | 0.0     | 0.0 | 0.0     | 0.0     | 618.9            | 618.9    | 0.0                 | 0.0           | 0.0      | 0.0   |
| U. Houston-Clear Lake                          | 2,299.9      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| U. Houston-Downtown                            | 18.9         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| U. North Texas, Denton                         | 39,533.1     | 0.0     | 0.0 | 0.0     | 0.0     | 3,046.9          | 1,555.0  | 1,491.9             | 0.0           | 1,570.9  | 0.0   |
| U. of the Incarnate Word                       | 697.0        | 0.0     | 0.0 | 0.0     | 0.0     | 697.0            | 0.0      | 697.0               | 0.0           | 0.0      | 0.0   |

TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID-DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution       | All agencies | AID | ARC | DHS   | DOC     | DOD <sup>a</sup> |          |                     |               | DOE       | DOI   |
|---|--------------|-----|-----|-------|---------|------------------|----------|---------------------|---------------|-----------|-------|
|   |              |     |     |       |         | Total            | Research | Development         |               |           |       |
|   |              |     |     |       |         |                  |          | Advanced technology | Major systems |           |       |
| U. Texas Health Science Center, Houston     | 117,411.2    | 0.0 | 0.0 | 0.0   | 0.0     | 14,314.3         | 0.0      | 14,314.3            | 0.0           | 0.0       | 0.0   |
| U. Texas Health Science Center, San Antonio | 89,927.7     | 0.0 | 0.0 | 0.0   | 0.0     | 6,279.7          | 0.0      | 6,279.7             | 0.0           | 0.0       | 0.0   |
| U. Texas Health Science Center, Tyler       | 1,963.1      | 0.0 | 0.0 | 0.0   | 0.0     | 279.0            | 0.0      | 279.0               | 0.0           | 0.0       | 0.0   |
| U. Texas M. D. Anderson Cancer Center       | 167,321.5    | 0.0 | 0.0 | 0.0   | 0.0     | 3,216.2          | 0.0      | 3,216.2             | 0.0           | 0.0       | 0.0   |
| U. Texas Medical Branch at Galveston        | 107,152.1    | 0.0 | 0.0 | 0.0   | 0.0     | 14,538.6         | 7,223.0  | 7,315.6             | 0.0           | 0.0       | 0.0   |
| U. Texas of the Permian Basin               | 644.7        | 0.0 | 0.0 | 0.0   | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0   |
| U. Texas Rio Grande Valley                  | 9,870.7      | 0.0 | 0.0 | 0.0   | 0.0     | 1,199.8          | 1,199.8  | 0.0                 | 0.0           | 233.3     | 0.0   |
| U. Texas Southwestern Medical Center        | 220,177.1    | 0.0 | 0.0 | 0.0   | 0.0     | 7,416.4          | 0.0      | 7,092.4             | 324.0         | 0.0       | 0.0   |
| U. Texas, Arlington                         | 19,017.2     | 0.0 | 0.0 | 0.0   | 191.6   | 5,244.3          | 5,244.3  | 0.0                 | 0.0           | 1,688.4   | 0.0   |
| U. Texas, Austin                            | 301,580.6    | 0.0 | 0.0 | 0.0   | 1,710.2 | 128,454.4        | 27,843.4 | 856.5               | 99,754.5      | 19,364.5  | 498.7 |
| U. Texas, Dallas                            | 44,186.1     | 0.0 | 0.0 | 0.0   | 40.0    | 4,861.3          | 4,746.5  | 114.8               | 0.0           | 974.5     | 0.0   |
| U. Texas, El Paso                           | 20,828.4     | 0.0 | 0.0 | 0.0   | 0.0     | 1,939.6          | 1,939.6  | 0.0                 | 0.0           | 0.0       | 399.0 |
| U. Texas, San Antonio                       | 21,728.4     | 0.0 | 0.0 | 0.0   | 0.0     | 1,340.1          | 885.1    | 455.0               | 0.0           | 2,000.0   | 0.0   |
| U. Texas, system administration             | 1,262.4      | 0.0 | 0.0 | 0.0   | 100.0   | 1,162.4          | 65.0     | 0.0                 | 1,097.4       | 0.0       | 0.0   |
| U. Texas, Tyler                             | 4,132.0      | 0.0 | 0.0 | 0.0   | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0   |
| Weatherford C.                              | 60.0         | 0.0 | 0.0 | 0.0   | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0   |
| West Texas A&M U.                           | 156.9        | 0.0 | 0.0 | 0.0   | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0   |
| Utah  | 524,417.8    | 0.0 | 0.0 | 586.8 | 440.4   | 119,039.9        | 57,870.3 | 61,169.6            | 0.0           | 135,492.1 | 271.0 |
| Brigham Young U., Provo                     | 13,841.7     | 0.0 | 0.0 | 0.0   | 0.0     | 993.2            | 993.2    | 0.0                 | 0.0           | 600.9     | 10.1  |
| Dixie State U.                              | 23.8         | 0.0 | 0.0 | 0.0   | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0   |
| U. Utah                                     | 375,993.6    | 0.0 | 0.0 | 586.8 | 440.4   | 16,341.8         | 9,788.4  | 6,553.4             | 0.0           | 134,150.2 | 165.1 |
| Utah State U.                               | 134,159.9    | 0.0 | 0.0 | 0.0   | 0.0     | 101,608.5        | 46,992.3 | 54,616.3            | 0.0           | 741.0     | 80.6  |
| Utah System of Higher Education             | 96.4         | 0.0 | 0.0 | 0.0   | 0.0     | 96.4             | 96.4     | 0.0                 | 0.0           | 0.0       | 0.0   |
| Utah Valley U.                              | 129.3        | 0.0 | 0.0 | 0.0   | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 0.0   |
| Weber State U.                              | 173.1        | 0.0 | 0.0 | 0.0   | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0       | 15.2  |
| Vermont                                     | 81,051.0     | 0.0 | 0.0 | 0.0   | 615.7   | 8,559.2          | 6,679.5  | 1,879.7             | 0.0           | 679.5     | 250.0 |
| Middlebury C.                               | 1,995.3      | 0.0 | 0.0 | 0.0   | 100.0   | 0.0              | 0.0      | 0.0                 | 0.0           | 29.6      | 0.0   |



TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID–DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution  | All agencies | AID     | ARC | DHS     | DOC     | DOD <sup>a</sup> |          |                     |               | DOE      | DOI   |
|--|--------------|---------|-----|---------|---------|------------------|----------|---------------------|---------------|----------|-------|
|  |              |         |     |         |         | Total            | Research | Development         |               |          |       |
|  |              |         |     |         |         |                  |          | Advanced technology | Major systems |          |       |
| Norwich U.   | 6,417.3      | 0.0     | 0.0 | 0.0     | 0.0     | 6,417.3          | 6,417.3  | 0.0                 | 0.0           | 0.0      | 0.0   |
| Saint Michael's C.   | 13.0         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| U. Vermont   | 71,125.8     | 0.0     | 0.0 | 0.0     | 515.7   | 2,141.9          | 262.2    | 1,879.7             | 0.0           | 649.9    | 250.0 |
| Vermont Law School   | 1,499.7      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Virginia   | 588,940.2    | 3,620.0 | 0.0 | 4,253.0 | 6,552.4 | 103,280.5        | 52,579.9 | 50,282.8            | 417.9         | 17,925.3 | 536.6 |
| American Indian Higher Education Consortium  | 465.6        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Christopher Newport U.   | 421.6        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Eastern Mennonite U.   | 313.7        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Eastern Virginia Medical School  | 5,616.8      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Edward Via C. of Osteopathic Medicine  | 164.8        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| George Mason U.  | 70,644.9     | 0.0     | 0.0 | 4,253.0 | 1,835.7 | 40,331.3         | 9,821.6  | 30,509.7            | 0.0           | 6.4      | 150.0 |
| Hampden-Sydney C.  | 44.9         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Hampton U.   | 6,385.4      | 0.0     | 0.0 | 0.0     | 0.0     | 25.0             | 25.0     | 0.0                 | 0.0           | 620.0    | 0.0   |
| James Madison U.   | 1,807.9      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 760.0    | 0.0   |
| Longwood U.  | 1,303.7      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Marymount U.   | 136.5        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| National Consortium for Graduate Degrees for Minorities in Engineering and Science | 4,156.3      | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Norfolk State U.   | 4,149.0      | 0.0     | 0.0 | 0.0     | 0.0     | 1,040.2          | 1,040.2  | 0.0                 | 0.0           | 1,170.0  | 0.0   |
| Old Dominion U.  | 14,872.3     | 0.0     | 0.0 | 0.0     | 381.6   | 2,965.6          | 2,965.6  | 0.0                 | 0.0           | 1,400.5  | 0.0   |
| Radford U.   | 128.8        | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Randolph-Macon C.  | 79.9         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| Roanoke C.   | 2.8          | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| U. Lynchburg   | 24.4         | 0.0     | 0.0 | 0.0     | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0   |
| U. Richmond  | 1,415.6      | 0.0     | 0.0 | 0.0     | 0.0     | 415.0            | 415.0    | 0.0                 | 0.0           | 0.0      | 0.0   |
| U. Virginia  | 207,614.7    | 0.0     | 0.0 | 0.0     | 200.0   | 18,308.2         | 12,391.0 | 5,836.9             | 80.3          | 5,339.5  | 0.0   |
| Virginia Commonwealth U.   | 105,440.5    | 0.0     | 0.0 | 0.0     | 0.0     | 10,917.7         | 850.5    | 10,067.2            | 0.0           | 1,311.4  | 0.0   |

TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID-DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution                     | All agencies | AID     | ARC | DHS | DOC      | DOD <sup>a</sup> |          |                     |               | DOE      | DOI     |
|---|--------------|---------|-----|-----|----------|------------------|----------|---------------------|---------------|----------|---------|
|   |              |         |     |     |          | Total            | Research | Development         |               |          |         |
|   |              |         |     |     |          |                  |          | Advanced technology | Major systems |          |         |
| Virginia Community C., system office                      | 55.4         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Virginia Polytechnic Institute and State U.               | 142,291.3    | 3,620.0 | 0.0 | 0.0 | 40.0     | 27,274.4         | 23,067.8 | 3,868.9             | 337.6         | 5,874.3  | 361.1   |
| Virginia State U.   | 8,502.9      | 0.0     | 0.0 | 0.0 | 0.0      | 1,008.5          | 1,008.5  | 0.0                 | 0.0           | 0.0      | 0.0     |
| Virginia Union U.   | 349.1        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Washington and Lee U.                                     | 114.6        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| William and Mary  | 12,437.0     | 0.0     | 0.0 | 0.0 | 4,095.0  | 994.6            | 994.6    | 0.0                 | 0.0           | 1,443.2  | 25.5    |
| Washington  | 827,974.4    | 0.0     | 0.0 | 0.0 | 19,024.9 | 82,317.9         | 51,991.8 | 14,415.4            | 15,910.7      | 29,209.9 | 5,757.0 |
| Bellevue C.   | 394.0        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Big Bend Community C.                                     | 60.0         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Central Washington U.                                     | 734.1        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 492.6   |
| Columbia Basin C.   | 58.0         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Community Colleges of Spokane, Spokane Falls Community C. | 42.2         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Eastern Washington U.                                     | 419.3        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Edmonds Community C.                                      | 38.0         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Everett Community C.                                      | 82.4         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Evergreen State C.  | 24.9         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Heritage U.   | 2,408.8      | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Highline C.   | 64.4         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Lake Washington Institute of Technology                   | 13.4         | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Northwest Indian C.                                       | 1,728.2      | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Seattle Colleges  | 119.6        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Seattle Pacific U.  | 1,006.9      | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| Seattle U.  | 165.8        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. Puget Sound  | 828.7        | 0.0     | 0.0 | 0.0 | 0.0      | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0      | 0.0     |
| U. Washington   | 726,633.8    | 0.0     | 0.0 | 0.0 | 19,024.9 | 80,246.1         | 50,493.8 | 13,841.6            | 15,910.7      | 23,196.5 | 4,972.0 |





TABLE 14

**Federal obligations for science and engineering research and development to universities and colleges, by state, outlying area, institution, and agency (AID-DOI): FY 2019**

(Dollars in thousands)

| State, outlying area, and institution   | All agencies | AID | ARC | DHS | DOC     | DOD <sup>a</sup> |          |                     |               | DOE | DOI |
|---|--------------|-----|-----|-----|---------|------------------|----------|---------------------|---------------|-----|-----|
|   |              |     |     |     |         | Total            | Research | Development         |               |     |     |
|   |              |     |     |     |         |                  |          | Advanced technology | Major systems |     |     |
| U. of Sacred Heart                      | 613.7        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0 | 0.0 |
| U. Puerto Rico, Cayey                   | 1,042.2      | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0 | 0.0 |
| U. Puerto Rico, Humacao                 | 563.8        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0 | 0.0 |
| U. Puerto Rico, Mayaguez                | 6,912.4      | 0.0 | 0.0 | 0.0 | 1,547.5 | 1,241.7          | 1,241.7  | 0.0                 | 0.0           | 0.0 | 0.0 |
| U. Puerto Rico, Medical Sciences Campus | 25,493.4     | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0 | 0.0 |
| U. Puerto Rico, Ponce                   | 624.0        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0 | 0.0 |
| U. Puerto Rico, Rio Piedras             | 8,552.0      | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0 | 0.0 |
| U. Puerto Rico, system office           | 14,087.7     | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0 | 0.0 |
| Trust Territory of the Pacific Islands  | 2,345.8      | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0 | 0.0 |
| C. Micronesia-FSM                       | 902.9        | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0 | 0.0 |
| Northern Marianas C.                    | 1,442.9      | 0.0 | 0.0 | 0.0 | 0.0     | 0.0              | 0.0      | 0.0                 | 0.0           | 0.0 | 0.0 |
| Virgin Islands                          | 2,750.2      | 0.0 | 0.0 | 0.0 | 0.0     | 9.5              | 9.5      | 0.0                 | 0.0           | 0.0 | 0.0 |
| U. of the Virgin Islands                | 2,750.2      | 0.0 | 0.0 | 0.0 | 0.0     | 9.5              | 9.5      | 0.0                 | 0.0           | 0.0 | 0.0 |

AID = Agency for International Development; ARC = Appalachian Regional Commission; DHS = Department of Homeland Security; DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; DOI = Department of the Interior.

<sup>a</sup> DOD states that more than 90% of its development obligations reported for universities and colleges are performed at university-administered laboratories that are separate from academic departments. Furthermore, DOD states that much of its development obligations are for major systems development, that such obligations differ from its obligations for advanced technology development, and that DOD total development obligations are therefore not comparable with development obligations at other federal agencies.

**Note(s):**

Detail may not add to total because of rounding.

**Source(s):**

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