

Table 1**State agency R&D and R&D facilities expenditures: FYs 2020–21**

(Thousands of dollars)

| Characteristic | FY 2020 | FY 2021 | % change |
|---|-----------|-----------|----------|
| All R&D and R&D plant expenditures | 2,453,903 | 2,500,741 | 1.9 |
| All R&D plant expenditures | 9,787 | 29,270 | 199.1 |
| All R&D expenditures | 2,444,116 | 2,471,471 | 1.1 |
| Source of funds | | | |
| Federal government | 607,589 | 612,124 | 0.7 |
| State government and other nonfederal sources | 1,836,527 | 1,859,348 | 1.2 |
| Performer | | | |
| Intramural ^a | 691,921 | 673,691 | -2.6 |
| Extramural | 1,752,194 | 1,797,780 | 2.6 |
| Higher education institutions | 951,572 | 960,494 | 0.9 |
| Companies and individuals | 459,984 | 508,757 | 10.6 |
| Other | 340,638 | 328,529 | -3.6 |
| Intramural by type of R&D | | | |
| Basic research | 129,980 | 119,427 | -8.1 |
| Applied research | 522,568 | 505,569 | -3.3 |
| Experimental development | 39,373 | 48,695 | 23.7 |
| R&D project by government function | | | |
| Agriculture | 142,105 | 119,860 | -15.7 |
| Energy | 390,848 | 410,687 | 5.1 |
| Environment and natural resources | 448,489 | 428,535 | -4.4 |
| Health | 1,027,757 | 1,030,395 | 0.3 |
| Transportation | 279,443 | 300,353 | 7.5 |
| Other ^b | 155,474 | 181,642 | 16.8 |

^a Intramural performers include employees within the same state department or agency and services performed by others in support of internal R&D projects.

^b Includes government functions for corrections, criminal justice, education, forensic sciences, labor, public safety, and social services.

Note(s):

R&D plant includes acquisition of land, facilities, major equipment, and major building renovations intended primarily for R&D use. Detail may not add to total because of rounding.

Source(s):

National Center for Science and Engineering Statistics, Survey of State Government Research and Development.