

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.