

Table 1**State government R&D and R&D plant expenditures: FYs 2018–19**

(Thousands of current dollars)

Characteristic	FY 2018	FY 2019	% change
All R&D and R&D plant expenditures	2,542,700	2,437,174	-4.2
All R&D plant expenditures	13,836	10,291	-25.6
All R&D expenditures	2,537,344	2,426,883	-4.4
Source of funds			
Federal government	532,150	560,856	5.4
State government and other nonfederal sources	2,005,194	1,866,027	-6.9
Performer			
Intramural ^a	635,483	676,171	6.4
Extramural	1,901,861	1,750,712	-7.9
Higher education institutions	1,080,933	1,024,317	-5.2
Companies and individuals	444,100	438,222	-1.3
Other	376,828	288,173	-23.5
Intramural by type of R&D			
Basic research	110,157	128,919	17.0
Applied research	502,823	524,336	4.3
Experimental development	22,502	22,916	1.8
R&D project by government function			
Agriculture	131,385	136,396	3.8
Energy	397,037	323,154	-18.6
Environment and natural resources	422,890	452,270	6.9
Health	1,103,232	1,082,056	-1.9
Transportation	258,419	260,025	0.6
Other ^b	224,383	172,982	-22.9

^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.