

Table 6. Federal obligations for science and engineering research and development to universities and colleges, by state and outlying area: FYs 2016–24

(Dollars in thousands)

State and outlying area	2016	2017	2018	2019	2020	2021	2022	2023	2024
All states and outlying areas	28,531,569	29,803,868	32,312,581	35,124,233	36,568,265	39,502,213	41,302,018	45,008,768	43,907,552
Alabama	354,347	362,466	442,266	491,035	494,908	498,006	551,112	637,770	625,784
Alaska	70,453	80,761	78,244	103,532	106,888	114,149	103,857	118,945	135,931
Arizona	341,024	370,208	395,623	441,188	450,662	558,327	594,442	600,457	532,094
Arkansas	105,763	66,975	80,354	93,615	98,094	131,562	129,614	153,608	165,754
California	3,980,511	4,100,917	4,419,364	4,630,852	4,787,585	5,416,776	5,822,928	5,775,311	5,489,023
Colorado	630,338	648,782	756,505	748,312	801,632	888,796	1,137,307	1,174,630	1,228,448
Connecticut	539,370	546,742	595,893	661,564	698,793	765,695	785,534	859,508	849,664
Delaware	101,649	123,061	112,677	121,590	123,611	236,411	160,126	166,098	138,172
District of Columbia	466,535	410,862	518,704	399,415	430,891	394,755	525,083	572,232	506,842
Florida	691,838	780,180	804,750	934,428	889,274	1,023,546	1,116,811	1,334,162	1,219,241
Georgia	703,447	1,030,375	1,124,666	1,313,038	1,496,955	1,149,906	1,277,521	1,352,050	1,244,519
Hawaii	144,285	133,213	145,466	149,419	138,801	171,432	141,677	177,527	176,121
Idaho	44,875	46,921	53,977	60,219	62,688	61,363	59,753	71,190	65,494
Illinois	1,107,639	1,086,485	1,177,732	1,317,966	1,377,654	1,475,304	1,531,129	1,758,542	1,663,408
Indiana	421,104	450,000	470,535	572,760	594,790	652,010	636,450	759,572	665,601
Iowa	251,203	260,110	273,515	279,598	330,667	321,224	417,612	417,249	357,965
Kansas	160,001	187,334	198,638	233,122	209,123	242,557	253,924	378,555	274,149
Kentucky	201,384	214,257	248,158	266,502	291,942	305,124	306,670	328,924	311,814
Louisiana	179,703	179,662	195,156	228,775	249,466	264,971	298,713	323,310	298,465
Maine	30,223	28,270	43,469	58,335	49,771	60,430	70,912	90,428	94,657
Maryland	2,221,496	2,099,003	2,207,702	2,340,952	2,457,453	2,470,413	2,412,866	2,814,930	2,906,586
Massachusetts	1,586,864	1,611,440	1,736,283	1,828,292	1,792,756	2,030,684	2,079,365	2,343,244	2,070,365
Michigan	911,278	959,249	1,025,403	1,089,037	1,142,712	1,187,746	1,273,507	1,468,614	1,399,802
Minnesota	361,242	362,868	403,328	432,918	449,222	481,158	577,122	552,724	562,516
Mississippi	141,269	150,808	177,902	203,370	164,564	168,637	169,701	205,212	182,543
Missouri	540,566	592,123	632,660	707,864	711,624	843,984	874,560	928,506	966,720
Montana	88,198	82,327	91,331	89,931	105,316	158,776	174,384	389,840	168,250
Nebraska	151,284	160,392	180,256	190,495	192,030	207,585	224,095	256,010	238,918
Nevada	63,157	57,360	63,935	81,351	82,258	82,172	96,042	102,397	82,383
New Hampshire	155,530	154,242	143,702	161,112	158,397	210,178	180,016	265,165	198,411
New Jersey	434,342	397,409	442,326	479,649	462,886	535,562	532,366	580,730	534,156
New Mexico	153,961	163,172	150,259	148,433	176,963	172,071	202,664	213,081	269,149
New York	2,288,543	2,549,883	2,726,205	2,978,234	3,142,649	3,701,188	3,465,709	3,679,049	3,853,761
North Carolina	1,214,465	1,219,225	1,376,537	1,533,634	1,504,813	1,750,467	1,790,982	1,912,334	1,781,724
North Dakota	70,549	44,034	50,625	38,722	86,292	92,100	76,305	115,906	107,754
Ohio	760,887	773,718	840,955	908,860	911,174	823,552	979,136	1,069,640	1,151,530
Oklahoma	103,621	131,089	159,982	187,807	215,532	180,410	210,839	264,860	231,174

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(Dollars in thousands)

State and outlying area	2016	2017	2018	2019	2020	2021	2022	2023	2024
Oregon	350,099	377,541	402,112	463,108	522,089	551,721	517,912	593,070	511,359
Pennsylvania	1,705,796	1,951,088	2,076,521	2,282,065	2,212,251	2,375,088	2,461,686	2,459,774	2,475,086
Rhode Island	141,999	162,532	174,036	204,531	216,144	271,976	256,476	278,144	256,623
South Carolina	232,301	242,583	247,667	254,015	266,734	309,583	316,673	378,866	346,830
South Dakota	30,371	34,781	34,170	33,027	37,483	33,993	49,070	45,337	45,475
Tennessee	566,792	541,610	597,854	597,472	725,049	692,690	820,609	896,705	1,081,093
Texas	1,503,552	1,603,066	1,720,647	1,955,673	2,307,379	2,378,815	2,468,086	2,669,453	2,812,286
Utah	293,519	306,057	370,100	524,418	466,983	433,155	443,411	449,772	561,321
Vermont	60,270	65,152	74,423	81,051	86,599	96,252	95,652	128,348	103,988
Virginia	486,250	480,050	536,199	588,940	563,260	631,826	684,024	785,899	760,815
Washington	680,989	704,148	777,223	827,974	835,323	916,901	993,788	965,342	980,512
West Virginia	48,379	44,533	52,017	60,650	75,681	98,455	87,686	104,889	106,510
Wisconsin	546,488	575,811	596,414	631,566	662,236	732,685	728,566	881,906	920,396
Wyoming	29,398	27,495	34,186	33,468	50,144	49,763	44,701	56,760	90,759
American Samoa	1,256	1,351	1,452	1,134	1,197	1,850	1,918	1,927	2,024
Guam	5,615	5,695	3,356	4,044	9,290	8,669	9,712	9,770	11,299
Northern Mariana Islands <sup>a</sup>	1,173	1,268	0	1,443	1,535	1,713	1,813	4,482	2,034
Puerto Rico	67,159	57,862	61,709	70,978	79,455	77,506	68,603	74,422	79,717
U.S. Virgin Islands	7,221	5,323	7,416	2,750	8,596	10,541	10,796	11,592	10,535

<sup>a</sup> Effective in FY 2023, the label Trust Territory of the Pacific Islands was updated in this table to the Northern Mariana Islands. The Trust Territory of the Pacific Islands was dissolved in 1994; the Federated States of Micronesia, the Republic of the Marshall Islands, and Palau became independent states while the Northern Mariana Islands remains a U.S. territory.

**Note(s):**  
Detail may not add to total because of rounding. For the FY 2020 survey, the Department of Defense (DOD) science and engineering support to higher education institutions and DOD R&D support to nonprofit organizations are known to be understated. However, the magnitude of the missing data is unknown. Data users should use caution when conducting any time series analysis that includes DOD obligations data for FY 2020.

**Source(s):**  
National Center for Science and Engineering Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions; National Center for Science and Engineering Statistics, Federal Science and Engineering Support module of the Survey of Federal Funds for Research and Development.