

**Table 56. Federal obligations for R&D plant, by State:
fiscal years 1970-2000**

[Dollars in thousands]

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State	1970	1971	1972	1973	1974	1975	1976	1977
Total	519,614	586,019	595,614	757,501	749,823	800,995	799,196	1,334,006
Alabama	1,785	3,944	6,725	5,079	5,648	8,369	12,286	5,337
Alaska	459	1,387	685	521	111	875	817	620
Arizona	1,633	1,257	2,289	482	3,624	1,282	2,699	1,550
Arkansas	75	30	54	245	433	713	877	2,793
California	85,928	119,784	123,357	127,971	141,096	151,059	147,280	303,285
Colorado	5,212	8,234	16,185	21,915	7,931	4,900	11,971	12,699
Connecticut	2,765	1,516	2,702	2,390	5,218	3,831	1,934	3,943
Delaware	12	0	39	39	131	118	0	11
District of Columbia	6,425	5,126	9,044	31,456	1,148	7,945	21,385	11,324
Florida	33,240	30,810	47,669	40,074	51,660	95,960	76,294	155,226
Georgia	2,026	2,263	1,826	718	142	457	201	1,176
Hawaii	506	2,230	867	355	379	6,203	2,812	484
Idaho	23,043	20,325	5,426	6,304	10,954	16,154	19,664	26,073
Illinois	94,739	85,223	68,126	84,346	42,940	29,573	45,202	52,021
Indiana	418	790	486	269	77	88	754	570
Iowa	1,152	1,501	756	1,101	505	746	1,118	1,460
Kansas	85	212	74	237	66	18	102	61
Kentucky	813	279	86	4	159	0	0	0
Louisiana	1,089	5,132	540	373	1,575	303	2,254	3,625
Maine	122	0	405	35	245	5	15	50
Maryland	20,282	29,653	36,084	51,353	60,816	40,058	36,700	80,390
Massachusetts	10,677	9,700	16,051	8,384	9,505	11,047	13,975	24,391
Michigan	3,807	903	2,897	4,801	237	641	2,011	1,051
Minnesota	778	4,065	1,287	458	23,406	127	466	383
Mississippi	812	374	437	13,016	15,213	4,842	4,129	11,535
Missouri	4,247	2,214	687	323	826	4,086	466	872
Montana	48	516	69	52	67	331	126	818
Nebraska	858	1,185	1,592	966	1,462	409	964	197
Nevada	17,223	16,903	17,512	14,439	9,205	11,711	11,709	14,758
New Hampshire	42	1,972	1,455	431	1,080	2,936	1,992	2,432
New Jersey	5,631	5,047	14,928	5,251	2,487	11,472	22,114	64,817
New Mexico	63,606	54,141	41,624	51,620	50,261	68,120	76,638	137,916
New York	26,667	33,856	21,902	81,793	77,070	46,436	37,508	60,997
North Carolina	3,144	406	6,040	4,751	4,103	306	644	66,762
North Dakota	66	125	535	146	214	396	487	611
Ohio	20,312	10,074	13,048	39,145	19,609	15,065	13,644	60,390
Oklahoma	127	79	181	124	135	268	156	385
Oregon	2,269	1,214	1,212	112	100	1,228	2,025	33
Pennsylvania	19,215	16,763	37,279	12,611	21,838	18,857	11,013	8,113
Rhode Island	1,326	2,069	2,762	4,153	667	4,867	4,453	5,262
South Carolina	1,754	1,334	1,194	3,418	7,739	3,836	3,338	2,218
South Dakota	2,077	1,500	3,120	1,476	385	0	0	4
Tennessee	13,377	13,675	20,487	37,350	33,648	39,317	60,530	37,807
Texas	8,073	6,472	10,419	11,118	6,059	7,636	7,808	10,435
Utah	974	604	1,028	479	4,135	2,118	763	1,502
Vermont	38	417	1,110	140	994	0	0	0
Virginia	3,549	7,026	11,306	6,960	14,001	23,141	11,602	24,732

See explanatory information, if any, and SOURCE at end of table.

**Table 56. Federal obligations for R&D plant, by State:
fiscal years 1970-2000**

[Dollars in thousands]

State	1970	1971	1972	1973	1974	1975	1976	1977
Washington	15,270	53,697	30,170	47,782	102,070	146,498	103,138	113,386
West Virginia	1,871	407	901	4,170	786	1,883	16,735	16,659
Wisconsin	600	3,134	959	1,125	6,860	2,919	4,903	532
Wyoming	628	431	8	170	1	284	188	256
Outlying areas	3,457	5,177	1,835	1,371	570	477	275	135
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA
Other areas	NA	NA	NA	NA	NA	NA	NA	NA
Offices abroad	5,282	10,843	8,154	24,099	232	1,084	1,031	1,919

See explanatory information, if any, and SOURCE at end of table.

**Table 56. Federal obligations for R&D plant, by State:
fiscal years 1970-2000**

[Dollars in thousands]

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State	1978	1979	1980	1981	1982	1983	1984	1985
Total	1,261,988	1,393,836	1,533,054	1,454,428	1,380,109	1,280,886	1,770,556	1,774,728
Alabama	6,457	2,584	47,910	16,481	5,831	6,028	26,404	41,378
Alaska	743	827	50	11	13	21,338	75	12,882
Arizona	33,852	35,293	1,767	381	407	5,444	3,639	2,917
Arkansas	924	226	725	722	1,026	1,500	523	547
California	259,484	400,195	377,408	355,425	334,555	368,386	316,785	404,171
Colorado	11,643	9,710	35,631	26,874	16,571	43,878	52,309	32,379
Connecticut	2,332	12,314	1,039	9,201	25,082	5,451	5,184	8,411
Delaware	21	0	694	1,592	106	415	623	425
District of Columbia	11,133	21,969	14,287	31,653	33,593	24,647	62,397	92,532
Florida	81,096	45,988	46,681	25,474	31,792	37,230	91,183	42,800
Georgia	1,791	1,026	623	1,580	1,464	2,098	3,761	2,597
Hawaii	694	517	153	722	59	1,598	634	872
Idaho	35,632	41,847	45,120	11,916	21,434	19,700	11,935	8,295
Illinois	72,877	61,874	71,500	74,071	74,269	80,348	81,230	110,133
Indiana	415	681	650	931	625	1,349	2,830	4,535
Iowa	2,316	2,200	2,947	2,063	2,239	2,719	3,542	1,441
Kansas	193	18	56	98	118	229	268	2,335
Kentucky	11	2,932	46	4,269	1,441	383	341	306
Louisiana	20,852	16,715	12,577	14,053	22,183	2,434	2,603	1,991
Maine	100	106	14	13	16	26	29	45
Maryland	82,657	64,345	53,331	52,323	82,241	80,818	180,072	145,418
Massachusetts	28,727	36,934	20,373	35,678	23,298	29,435	62,845	66,103
Michigan	1,888	2,992	8,302	9,460	7,802	1,080	6,386	5,065
Minnesota	1,216	809	340	534	412	759	3,055	777
Mississippi	5,954	3,791	6,622	3,394	5,891	6,419	13,727	12,593
Missouri	1,235	5,635	40,922	1,782	5,673	6,020	3,914	3,673
Montana	38	1,189	3,707	95	114	153	182	208
Nebraska	252	779	2,067	585	703	511	698	432
Nevada	18,473	24,166	22,419	82,904	29,991	32,978	108,356	155,161
New Hampshire	1,266	5,386	47	7,686	90	707	113	380
New Jersey	96,715	64,811	60,534	55,741	56,972	42,013	52,718	40,145
New Mexico	101,655	138,554	169,471	119,252	196,600	191,791	102,335	243,656
New York	63,831	69,422	91,375	85,120	64,953	76,967	174,980	75,336
North Carolina	3,475	3,857	8,208	1,161	1,390	4,070	3,557	10,369
North Dakota	2,258	1,353	4,068	1,355	1,243	912	892	1,261
Ohio	23,906	27,999	40,279	65,209	23,745	7,543	49,611	46,546
Oklahoma	1,042	617	3,249	2,668	1,206	1,268	932	1,711
Oregon	2,604	871	3,936	1,047	80	209	3,398	1,170
Pennsylvania	28,788	46,503	35,468	95,246	51,138	19,222	20,095	18,707
Rhode Island	2,425	3,472	2,624	1,614	2,080	1,885	667	31,599
South Carolina	6,942	9,675	3,078	18,824	65,160	49,593	146,379	7,543
South Dakota	126	1,593	3,124	716	860	230	105	68
Tennessee	43,444	55,791	80,109	85,504	65,188	27,303	69,909	33,777
Texas	11,818	9,746	14,233	13,906	10,246	4,692	9,585	19,382
Utah	7,991	2,888	1,915	1,479	3,148	459	1,978	2,419
Vermont	0	3	0	14	0	0	0	0
Virginia	29,274	42,024	41,478	33,937	21,131	29,412	52,187	26,696

See explanatory information, if any, and SOURCE at end of table.

**Table 56. Federal obligations for R&D plant, by State:
fiscal years 1970-2000**

[Dollars in thousands]

State	1978	1979	1980	1981	1982	1983	1984	1985
Washington	118,330	86,796	128,236	88,972	80,771	12,046	13,582	32,726
West Virginia	17,013	13,072	12,859	3,718	1,051	23,285	4,767	11,388
Wisconsin	9,647	2,861	2,529	2,972	994	1,887	10,188	5,615
Wyoming	869	1,248	4,272	2,026	1,159	83	272	96
Outlying areas	1,699	514	2,879	660	518	212	3,268	1,418
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA
Other areas	NA	NA	NA	NA	NA	NA	NA	NA
Offices abroad	3,864	7,118	1,122	1,316	1,437	1,723	3,508	2,298

See explanatory information, if any, and SOURCE at end of table.

**Table 56. Federal obligations for R&D plant, by State:
fiscal years 1970-2000**

[Dollars in thousands]

State	1986	1987	1988	1989	1990	1991	1992	1993
Total	1,482,523	1,793,777	2,025,054	2,144,331	2,230,060	2,807,026	2,962,860	3,054,515
Alabama	41,190	42,809	51,821	47,216	109,746	165,014	346,077	368,155
Alaska	0	0	6,400	0	11,080	200	772	997
Arizona	1,725	19,613	21,793	18,109	2,536	16,354	7,856	16,870
Arkansas	860	474	393	3,144	2,177	5,307	4,434	3,256
California	323,475	290,732	429,041	446,715	459,041	377,812	356,136	469,592
Colorado	16,322	12,771	53,457	62,507	32,255	50,747	55,605	29,963
Connecticut	1,215	415	1,027	1,364	1,842	2,561	2,620	14,359
Delaware	382	405	1,260	203	27	48	115	2,054
District of Columbia	28,000	24,148	15,390	17,146	7,382	16,323	17,793	13,319
Florida	53,158	64,554	86,041	100,007	68,313	132,076	143,089	73,466
Georgia	15,586	23,121	2,729	10,835	3,649	5,968	6,390	3,509
Hawaii	562	603	6,883	394	1,364	9,198	6,451	19,257
Idaho	24,747	17,821	39,594	12,008	30,323	46,004	39,649	27,363
Illinois	96,583	94,262	76,673	94,852	116,336	319,731	183,932	201,565
Indiana	534	5,757	1,850	1,514	1,312	4,981	8,402	22,567
Iowa	3,262	22,653	3,810	6,203	10,440	26,054	5,220	7,893
Kansas	41,043	49,763	141	1,560	3,138	5,158	2,461	10,133
Kentucky	333	1,693	80	472	652	1,649	0	0
Louisiana	2,180	2,481	31,924	47,214	33,615	26,121	26,165	29,458
Maine	33	48	307	119	740	693	1,510	989
Maryland	78,623	109,756	79,248	120,078	178,869	235,926	229,691	264,581
Massachusetts	17,707	36,304	94,249	54,709	78,230	32,514	20,154	22,334
Michigan	1,236	1,401	4,424	4,552	6,555	2,958	9,101	21,712
Minnesota	1,077	383	699	1,848	1,084	2,130	2,532	2,989
Mississippi	13,471	39,064	19,134	41,070	47,371	50,834	41,611	42,202
Missouri	4,656	4,832	2,654	3,650	1,905	6,450	1,727	1,496
Montana	224	170	156	217	546	1,598	2,697	1,555
Nebraska	7,323	1,353	4,124	2,784	4,137	5,985	5,662	982
Nevada	69,884	86,979	103,277	69,332	61,070	57,680	59,664	50,185
New Hampshire	300	225	49	183	325	310	4,000	760
New Jersey	37,605	39,812	52,608	46,786	51,315	30,039	38,989	53,167
New Mexico	191,963	256,624	231,392	239,603	197,932	175,486	164,650	181,362
New York	105,006	113,438	115,274	101,569	100,601	107,186	194,450	177,683
North Carolina	2,239	3,403	945	4,317	3,357	7,378	6,814	36,579
North Dakota	8,807	826	9,195	6,043	7,422	8,989	7,419	5,498
Ohio	19,239	58,105	68,498	69,769	56,346	115,428	122,174	64,053
Oklahoma	2,307	900	10,675	4,471	1,493	3,260	4,127	1,013
Oregon	11,986	24,652	8,556	30,121	12,297	3,337	1,829	13,763
Pennsylvania	19,046	41,386	56,337	79,037	36,042	89,455	52,017	95,723
Rhode Island	5,540	6,362	2,029	1,586	815	14,254	1,946	634
South Carolina	5,662	19,649	8,249	8,861	3,724	31,933	4,109	4,909
South Dakota	49	73	604	271	1,658	1,969	1,530	981
Tennessee	30,765	29,328	57,192	58,838	62,443	63,211	48,134	29,490
Texas	79,699	75,094	40,716	97,617	210,628	217,974	465,746	429,116
Utah	13,631	14,203	6,755	12,070	2,498	3,476	1,453	3,528
Vermont	0	1,044	7,954	1,407	359	766	0	50
Virginia	45,535	89,379	105,483	127,392	128,748	175,480	172,382	131,036

See explanatory information, if any, and SOURCE at end of table.

**Table 56. Federal obligations for R&D plant, by State:
fiscal years 1970-2000**

[Dollars in thousands]

State	1986	1987	1988	1989	1990	1991	1992	1993
Washington	26,449	24,847	31,192	35,529	44,176	34,451	54,338	71,622
West Virginia	10,222	16,521	23,236	26,691	12,358	89,428	9,689	8,395
Wisconsin	2,689	3,963	2,042	3,961	4,357	12,997	10,169	8,018
Wyoming	70	337	156	95	161	678	1,818	613
Outlying areas	13,865	18,205	46,465	1,477	14,944	10,985	6,949	13,140
Puerto Rico	NA	NA	NA	NA	NA	NA	NA	NA
Other areas	NA	NA	NA	NA	NA	NA	NA	NA
Offices abroad	4,458	1,036	873	16,815	326	482	612	581

See explanatory information, if any, and SOURCE at end of table.

**Table 56. Federal obligations for R&D plant, by State:
fiscal years 1970-2000**

[Dollars in thousands]

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State	1994	1995	1996	1997	1998	1999	2000
Total	2,196,238	2,210,836	1,736,607	1,891,125	1,809,757	2,042,269	4,489,276
Alabama	94,080	44,082	48,867	43,390	38,625	66,576	210,622
Alaska	88,015	1,352	160	3,000	0	0	295
Arizona	20,795	42,669	2,959	1,864	7,523	1,098	4,116
Arkansas	3,867	3,913	12,505	14,133	18,537	3,027	3,198
California	209,513	414,013	341,238	418,930	426,377	467,742	502,962
Colorado	36,866	31,223	28,422	52,628	63,337	43,238	34,628
Connecticut	3,758	5,169	3,559	5,205	2,558	2,289	91,041
Delaware	1,060	1,876	2,031	2,417	789	1,086	335
District of Columbia	11,165	2,966	4,634	7,047	13,187	53,687	29,994
Florida	101,654	40,635	65,278	66,079	66,355	56,188	238,305
Georgia	5,280	12,351	4,570	5,196	3,776	8,540	9,243
Hawaii	14,299	489	1,657	3,046	1,514	9,304	1,770
Idaho	12,461	8,862	19,160	26,247	11,465	8,227	27,158
Illinois	208,489	190,049	147,324	134,299	152,587	151,478	143,139
Indiana	4,086	4,774	15,196	7,897	3,084	6,747	12,164
Iowa	10,125	15,488	10,074	8,853	7,177	6,229	8,127
Kansas	10,584	1,180	1,468	1,371	556	3,960	3,005
Kentucky	3,854	4,705	2,426	430	0	131	2,564
Louisiana	20,978	21,543	26,526	18,604	30,406	28,803	11,692
Maine	1,889	726	160	335	1,573	1,515	1,480
Maryland	196,178	390,270	240,224	299,574	304,169	302,163	352,404
Massachusetts	15,801	23,093	14,125	12,083	10,687	20,253	41,626
Michigan	4,523	3,749	6,277	4,976	2,960	5,862	5,947
Minnesota	17,170	5,069	6,278	2,642	3,520	7,243	3,661
Mississippi	31,884	36,464	32,777	38,831	47,561	26,780	20,745
Missouri	4,733	4,555	4,428	5,670	4,034	1,833	3,146
Montana	3,648	4,911	5,767	9,591	2,009	1,421	2,384
Nebraska	996	2,308	1,031	807	850	878	3,424
Nevada	26,852	38,450	16,100	1,000	2,888	14,703	6,227
New Hampshire	260	0	621	2,307	279	528	4,143
New Jersey	45,302	34,935	26,703	29,912	32,094	30,813	46,384
New Mexico	152,636	133,757	77,548	124,836	113,945	99,814	122,219
New York	186,088	159,070	164,605	152,174	122,148	88,993	113,641
North Carolina	39,985	25,720	20,471	27,421	30,430	37,953	7,727
North Dakota	5,795	4,850	1,450	3,732	3,208	2,311	1,088
Ohio	128,081	147,526	67,541	49,742	91,210	108,050	68,665
Oklahoma	1,912	2,791	3,171	6,659	2,600	7,767	3,527
Oregon	6,452	5,176	8,099	5,943	3,165	8,944	4,049
Pennsylvania	72,208	35,405	51,259	40,752	17,942	28,046	63,315
Rhode Island	576	7,333	3,943	4,643	9,654	15,425	2,942
South Carolina	14,744	2,708	2,234	10,266	1,039	18,546	18,232
South Dakota	5,638	4,317	2,952	366	586	156	2,154
Tennessee	77,447	37,058	22,949	38,729	28,809	135,428	128,868
Texas	56,622	84,222	56,498	62,764	35,802	44,130	2,014,247
Utah	6,735	4,579	2,642	2,818	1,480	1,172	1,760
Vermont	626	0	2,205	459	106	508	2,126
Virginia	126,649	81,075	69,673	56,642	53,692	61,338	60,617

See explanatory information, if any, and SOURCE at end of table.

**Table 56. Federal obligations for R&D plant, by State:
fiscal years 1970-2000**

[Dollars in thousands]

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State	1994	1995	1996	1997	1998	1999	2000
Washington	71,483	64,307	71,828	64,778	12,071	14,861	12,110
West Virginia	4,787	5,415	2,600	2,843	12,595	25,007	18,361
Wisconsin	24,642	9,564	3,047	1,977	1,111	3,184	10,469
Wyoming	1,848	1,479	465	596	666	322	941
Outlying areas	463	1,351	8,334	4,310	3,101	7,495	5,562
Puerto Rico	446	273	280	370	2,211	1,310	3,212
Other areas	17	1,078	8,054	3,940	890	6,185	2,350
Offices abroad	656	1,264	548	311	3,920	477	727

KEY: NA = Not applicable (indicates that the data collected for this table were not recorded at that level for that particular fiscal year)

NOTES: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health & Human Services, Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D-supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 2000.

Although the non-geographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Beginning in the fiscal year 2000, the National Institutes of Health classified all of its development activities as research.

Beginning in fiscal year 2000, the National Aeronautics & Space Administration reclassified Space Station as a physical asset and Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: Fiscal Years 2000, 2001, and 2002