

**Table H1a. Federal obligations for R&D by State:  
fiscal years 1970-2001 (obligations in thousands of current (non-inflation adjusted) dollars)**

State	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Total	15,500,465	15,825,852	16,857,417	17,243,565	17,740,515	19,343,323	21,046,547	24,175,075	26,339,647	28,478,022	30,160,354	33,384,029	36,741,688	38,908,638	42,919,035	48,989,565	51,792,736	55,861,213
Alabama	359,006	363,955	365,724	381,538	383,042	371,467	386,719	420,000	438,466	519,459	503,617	510,023	567,374	677,698	819,018	937,992	1,229,355	1,389,176
Alaska	43,638	59,587	46,727	42,343	25,391	37,314	38,403	38,746	49,444	46,747	42,577	51,840	40,016	61,742	47,775	64,351	49,356	48,815
Arizona	74,436	89,980	92,190	95,247	103,157	117,569	125,159	144,077	197,282	236,727	336,383	368,061	264,877	474,767	387,507	461,090	399,788	434,507
Arkansas	9,862	20,852	13,277	16,872	14,619	24,012	27,396	27,108	43,320	37,492	30,680	31,908	44,511	32,865	35,556	40,290	41,351	52,794
California	3,956,981	3,415,163	3,596,450	3,968,215	4,216,812	4,990,629	5,643,346	6,088,826	6,098,699	6,738,761	6,475,065	7,405,105	9,222,855	8,563,297	9,312,555	11,175,988	11,835,804	13,962,928
Colorado	279,325	272,421	385,292	432,743	331,216	272,838	260,614	336,853	404,828	451,928	609,361	659,691	573,167	480,098	583,874	661,609	1,652,711	1,529,077
Connecticut	162,792	151,453	171,860	196,254	238,909	273,525	241,376	295,709	302,110	340,713	471,320	494,248	464,636	748,782	681,047	751,163	578,547	672,598
Delaware	16,311	12,951	17,410	40,866	10,504	10,139	7,958	15,347	11,078	14,382	21,452	27,521	34,688	20,847	64,296	35,146	30,606	32,738
District of Columbia	474,918	487,030	471,150	521,432	553,406	588,199	591,639	739,443	801,353	790,363	821,282	952,686	988,242	1,220,766	1,858,387	2,170,201	2,351,999	2,233,318
Florida	858,025	921,191	1,070,193	992,077	834,878	892,804	864,565	1,027,712	971,220	959,092	1,167,515	1,399,201	1,808,218	1,313,252	1,229,243	1,248,025	1,501,166	2,361,891
Georgia	74,291	81,014	73,707	67,506	71,082	81,487	92,458	112,341	157,492	185,433	170,417	196,617	218,727	239,281	249,261	294,424	266,078	375,243
Hawaii	44,321	40,562	48,241	48,273	53,443	49,173	48,319	37,398	45,342	41,336	42,736	50,619	44,603	72,966	53,505	59,108	55,258	64,525
Idaho	98,051	95,612	81,352	88,143	63,177	83,384	92,390	145,915	142,674	188,924	192,795	131,440	148,393	243,059	207,121	267,983	291,355	250,561
Illinois	334,302	334,312	359,143	371,980	368,347	400,823	459,479	569,257	637,157	609,100	671,400	646,674	617,292	647,802	756,870	882,982	841,543	921,535
Indiana	92,323	75,371	101,006	83,186	95,038	92,844	93,195	103,401	108,490	122,680	163,082	171,068	186,797	214,903	238,782	232,239	295,608	345,194
Iowa	33,813	34,394	38,688	39,568	46,966	48,554	49,621	61,606	70,619	87,072	124,633	149,452	138,509	97,930	138,079	151,729	227,538	185,067
Kansas	16,731	24,547	31,373	30,647	29,473	32,852	32,172	36,382	106,791	136,348	353,606	471,088	637,782	97,615	102,167	140,406	153,733	143,913
Kentucky	21,226	23,369	32,186	38,084	31,478	35,209	51,034	56,556	62,080	45,961	107,971	105,318	98,604	93,468	56,836	69,538	59,455	63,625
Louisiana	147,577	95,243	104,143	91,987	77,320	102,132	128,322	160,166	183,528	225,799	208,853	345,804	258,974	189,025	132,291	120,765	94,560	109,922
Maine	13,384	13,591	16,746	9,628	10,726	11,952	15,573	18,320	25,471	23,202	25,950	24,384	23,916	29,303	38,085	36,728	35,631	178,667
Maryland	1,083,641	1,230,901	1,354,184	1,486,191	1,589,733	1,650,328	1,847,881	2,071,785	2,173,698	2,364,155	2,518,291	2,637,457	2,932,401	3,493,187	4,097,988	4,517,059	4,591,139	4,146,010
Massachusetts	771,597	892,887	977,228	961,999	1,197,767	1,239,656	1,298,920	1,496,406	1,718,071	2,092,551	2,068,122	2,442,789	2,798,490	2,588,728	2,945,414	3,342,836	3,257,992	3,947,068
Michigan	166,625	188,168	189,170	158,618	196,787	249,511	224,184	317,672	369,716	267,349	385,827	366,637	384,503	413,556	485,740	507,172	461,781	464,747
Minnesota	110,048	106,877	128,247	120,692	130,307	123,363	153,737	186,886	178,878	203,570	261,940	309,517	379,028	448,939	639,892	719,469	516,464	506,933
Mississippi	29,088	47,070	61,095	70,470	91,499	62,714	75,722	106,897	93,072	104,441	115,906	128,893	131,592	192,178	159,226	185,019	156,872	223,494
Missouri	295,428	599,131	680,146	608,416	387,850	334,122	404,780	640,440	828,489	784,583	842,493	822,160	916,984	582,868	663,370	697,917	682,464	619,484
Montana	11,694	18,108	19,075	19,909	13,695	28,692	29,881	48,594	27,528	42,837	49,371	45,500	42,797	35,194	26,769	26,257	26,575	30,243
Nebraska	11,506	11,591	13,304	14,371	16,210	20,693	22,340	24,704	33,754	32,073	33,675	32,248	32,691	42,809	33,665	35,010	48,448	50,278
Nevada	208,171	175,943	157,767	157,568	121,709	161,726	191,380	199,040	215,150	246,264	236,890	345,883	406,271	680,047	548,876	645,565	532,528	548,986
New Hampshire	27,310	36,014	22,907	30,991	30,359	36,502	36,727	35,017	69,936	99,475	50,243	62,451	50,906	77,483	116,486	130,711	136,327	83,800
New Jersey	747,291	750,178	778,001	650,495	476,260	453,474	517,843	631,155	619,165	714,121	789,909	831,159	944,916	1,335,454	1,602,700	1,831,955	1,819,007	1,154,735
New Mexico	508,561	512,815	493,135	514,395	582,296	622,896	702,898	889,310	1,089,066	1,094,096	1,123,650	1,343,392	1,519,195	1,996,651	2,207,164	2,612,304	2,691,948	2,254,788
New York	1,262,261	1,153,338	1,097,508	1,014,423	1,103,359	1,105,003	1,144,920	1,264,843	1,347,923	1,431,584	1,560,153	1,642,804	1,757,451	2,600,181	2,668,357	3,203,775	3,268,499	3,055,210
North Carolina	67,052	83,121	89,315	106,470	114,152	117,214	139,777	221,484	195,817	224,797	235,889	260,960	274,061	316,548	381,873	496,020	499,974	587,216
North Dakota	8,944	9,188	11,038	9,614	10,736	13,380	15,278	19,872	30,580	34,784	42,718	41,412	37,703	28,161	38,647	34,010	35,977	30,180
Ohio	477,654	528,207	534,779	517,983	586,873	600,218	641,419	755,231	882,158	1,081,174	1,094,940	1,182,388	1,048,552	1,177,639	1,416,081	1,567,008	1,610,927	1,921,045
Oklahoma	29,610	26,411	29,273	34,877	30,051	34,789	32,262	48,566	106,050	70,730	97,728	85,091	66,760	69,138	66,481	83,047	72,113	100,308
Oregon	36,117	43,067	54,944	64,423	59,970	80,203	86,649	84,966	97,883	100,975	101,813	106,667	106,399	108,181	141,179	152,738	139,617	158,567
Pennsylvania	557,976	565,662	679,579	641,388	681,985	799,582	846,964	845,601	1,024,444	1,146,437	1,094,880	1,178,117	1,182,631	1,192,520	1,162,249	1,348,313	1,320,310	1,723,284
Rhode Island	31,237	52,604	71,639	63,429	75,563	79,991	106,228	115,340	122,735	144,152	152,554	184,092	244,210	269,413	306,725	365,937	398,213	371,809
South Carolina	19,558	24,716	27,533	27,142	36,549	28,456	34,160	69,383	125,234	123,927	90,537	114,933	163,892	154,223	266,166	127,476	128,135	143,299
South Dakota	8,168	11,067	11,246	12,175	12,743	6,796	7,287	8,501	9,216	11,775	12,991	10,900	19,825	12,675	14,065	14,422	14,634	12,915
Tennessee	207,191	202,173	207,592	246,838	275,326	328,766	448,701	584,089	687,708	699,844	802,987	969,099	767,464	462,789	616,592	590,108	622,021	761,373
Texas	657,195	602,356	663,369	662,160	658,289	722,153	845,056	829,873	1,015,622	1,009,886	922,790	1,045,653	1,064,526	1,417,277	1,483,358	1,683,947	1,991,651	2,336,363
Utah	62,026	56,393	59,896	67,168	72,847	82,224	102,244	134,662	169,831	214,525	245,844	307,136	291,014	269,328	234,382	253,279	288,231	441,485
Vermont	9,490	14,150	23,882	17,657	26,142	31,609	39,748	36,623	23,661	16,678	36,646	18,748	35,731	23,687	33,827	36,122	41,083	40,625
Virginia	356,334	431,906	540,905	574,898	656,284	749,944	763,147	804,919	886,403	987,125	1,100,778	1,100,332	1,289,194	2,315,535	2,299,361	2,499,123	2,855,572	2,381,883
Washington	427,500	624,854	568,109	615,674	752,450	841,086	808,732	992,531	996,648									

**Table H1a. Federal obligations for R&D by State:  
fiscal years 1970-2001 (obligations in thousands of current (non-inflation adjusted) dollars)**

State	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Total	57,496,016	61,629,325	64,335,224	62,672,421	67,052,569	68,798,340	68,016,331	68,910,950	68,029,000	70,401,301	72,520,184	75,840,468	75,750,751	82,104,429
Alabama	1,415,485	1,693,965	1,915,164	2,028,196	2,497,747	2,517,507	1,913,290	1,975,405	2,227,643	2,257,073	2,051,907	1,873,532	1,825,523	2,536,001
Alaska	56,895	71,325	101,824	102,940	93,738	93,689	245,332	98,276	93,494	102,928	107,231	115,015	147,072	212,609
Arizona	391,204	519,297	594,279	533,117	646,065	552,144	820,994	945,007	709,632	733,929	1,000,986	1,118,044	1,125,817	1,784,114
Arkansas	56,825	60,161	87,897	91,173	73,282	82,441	92,735	101,615	160,671	109,429	115,985	109,449	119,531	188,571
California	15,324,943	16,366,091	16,708,389	14,866,101	16,355,279	15,353,329	11,460,127	13,014,169	12,999,358	14,149,816	12,648,958	16,067,865	14,585,922	13,221,422
Colorado	1,461,876	1,680,654	1,920,599	2,744,911	1,534,843	1,373,355	1,393,286	1,080,431	1,305,975	1,392,859	1,399,626	1,481,920	1,404,361	1,395,146
Connecticut	620,502	598,099	511,612	675,287	580,952	536,540	737,270	905,888	802,425	851,663	701,930	657,480	897,269	1,432,973
Delaware	37,234	32,084	28,321	41,830	43,180	58,214	51,501	59,622	66,896	51,381	46,003	53,341	70,202	70,231
District of Colu	2,940,645	1,932,074	1,600,453	1,960,035	2,202,989	2,502,102	2,494,772	2,758,335	2,578,773	2,239,331	2,242,981	2,505,293	2,404,641	2,632,392
Florida	2,219,482	2,369,807	2,411,743	2,313,220	2,975,379	2,848,721	3,008,363	2,432,471	3,023,144	3,392,497	2,821,259	2,340,593	2,454,511	2,828,442
Georgia	353,125	403,334	367,751	472,489	2,518,957	3,038,822	5,551,645	4,378,372	4,142,355	3,925,064	3,447,719	2,031,780	2,641,429	3,415,961
Hawaii	89,110	97,800	101,344	121,792	157,105	132,262	154,604	139,780	149,231	153,768	166,039	208,112	211,507	295,959
Idaho	289,743	207,912	356,394	325,095	339,106	331,052	240,234	219,826	263,739	231,907	224,212	208,899	244,086	227,711
Illinois	927,380	1,003,978	1,073,526	1,279,105	1,105,856	1,165,339	1,297,090	1,297,479	1,241,608	1,274,462	1,312,706	1,467,563	1,547,752	1,861,070
Indiana	313,955	393,998	364,932	383,684	375,405	536,214	407,697	431,104	454,962	418,295	380,819	420,611	518,490	552,684
Iowa	200,931	197,126	197,184	235,887	199,894	223,670	233,948	227,584	223,444	237,033	242,995	270,289	275,165	340,872
Kansas	126,869	130,360	119,532	88,805	93,696	97,991	95,407	121,568	213,503	256,861	155,331	195,563	226,498	309,700
Kentucky	68,531	73,511	97,146	124,055	71,706	86,668	93,979	77,784	81,023	91,721	216,657	146,976	206,415	272,535
Louisiana	133,218	226,783	154,799	189,683	195,745	182,093	231,512	191,630	255,256	229,640	253,961	248,021	260,737	292,314
Maine	40,099	67,826	40,470	57,786	62,078	66,228	84,002	53,801	56,871	69,018	107,306	152,084	251,292	458,213
Maryland	4,434,557	4,969,043	5,510,942	5,806,654	6,009,386	7,503,055	6,855,636	7,733,993	6,970,924	7,628,361	8,270,944	8,396,532	9,037,200	9,397,849
Massachusetts	2,796,290	2,937,235	3,061,015	3,178,949	3,248,086	3,573,994	3,217,629	3,360,909	3,206,255	3,449,599	3,124,530	3,149,654	4,187,098	4,377,017
Michigan	421,971	690,718	817,354	775,589	885,368	899,695	775,523	686,936	714,191	740,035	758,824	845,619	980,999	1,193,272
Minnesota	577,533	599,125	530,847	457,843	458,924	448,525	492,229	575,317	685,781	612,037	809,603	892,384	784,793	908,454
Mississippi	204,207	239,800	519,024	281,385	297,306	302,029	287,762	246,178	283,410	328,622	327,927	378,351	415,330	433,087
Missouri	640,287	1,245,585	1,066,213	594,332	735,269	727,840	2,277,322	1,610,770	1,272,268	1,135,818	937,713	930,514	893,743	920,820
Montana	35,636	36,451	31,479	47,390	74,245	70,605	60,689	68,721	68,809	88,938	83,155	96,867	97,409	144,369
Nebraska	56,232	54,007	80,582	82,128	76,805	79,459	87,492	86,988	89,485	83,788	85,892	94,967	101,915	137,444
Nevada	546,625	496,819	545,795	553,661	525,445	456,344	374,517	407,364	269,335	296,042	297,585	293,832	270,124	310,012
New Hampshire	60,890	98,145	145,469	196,572	160,135	238,364	219,151	213,243	269,097	281,004	269,745	292,251	361,016	421,278
New Jersey	1,261,903	1,367,221	1,652,915	1,728,189	1,685,773	1,476,015	1,430,994	1,332,599	1,299,279	1,348,705	1,491,664	2,691,966	1,984,153	1,631,127
New Mexico	2,527,446	2,459,984	2,509,242	2,194,225	2,375,901	2,490,973	2,046,719	2,093,705	2,032,529	2,057,959	2,006,013	2,168,105	2,252,723	2,740,409
New York	2,804,007	3,005,665	3,061,440	3,193,493	3,253,187	2,715,699	2,864,805	2,744,974	2,669,456	2,623,187	2,682,662	2,778,009	3,041,164	3,474,455
North Carolina	625,988	567,119	622,003	681,218	707,485	755,694	774,308	857,340	841,928	927,765	953,161	1,045,471	1,070,263	1,415,244
North Dakota	41,677	39,293	60,483	52,722	61,649	55,827	55,405	52,209	47,628	56,747	55,296	62,258	65,139	79,428
Ohio	1,933,664	2,008,592	2,144,875	1,845,329	1,985,545	1,985,773	1,864,516	1,957,484	1,749,264	1,929,526	5,654,233	3,795,905	1,867,801	2,411,339
Oklahoma	114,376	122,028	164,132	134,796	130,181	118,921	144,029	161,482	141,429	167,015	178,773	173,585	188,648	228,477
Oregon	178,861	198,557	187,881	219,796	228,343	243,138	285,616	288,587	316,278	325,530	351,791	417,043	472,216	538,854
Pennsylvania	1,787,944	2,040,909	2,110,602	2,215,100	1,846,445	2,662,230	2,055,594	2,429,651	1,972,505	1,934,475	1,904,439	1,935,185	2,420,867	2,641,577
Rhode Island	337,658	315,671	391,948	448,097	388,285	496,225	434,401	521,965	587,101	408,487	395,413	407,142	420,979	438,713
South Carolina	156,911	231,499	234,575	282,302	176,239	178,082	213,281	175,925	188,893	176,873	189,743	234,487	267,220	320,547
South Dakota	13,657	15,261	17,388	24,485	25,416	27,877	32,119	30,818	37,993	42,321	46,589	39,107	40,957	55,360
Tennessee	624,411	634,861	887,407	795,441	714,159	703,910	748,738	619,557	581,521	604,971	649,993	820,140	863,274	1,133,060
Texas	2,555,647	3,286,845	3,707,413	2,539,370	3,338,702	2,975,330	3,710,901	4,153,150	3,549,955	3,702,926	4,148,260	3,897,469	4,686,037	4,346,897
Utah	468,744	529,909	440,191	432,573	315,449	302,357	331,623	373,408	354,361	322,669	394,830	306,191	287,728	398,086
Vermont	63,852	61,493	42,830	56,862	51,314	62,193	49,091	52,950	49,294	50,344	57,762	62,215	74,156	112,979
Virginia	2,834,604	2,905,349	2,862,238	3,084,479	3,403,721	3,533,592	3,853,520	3,473,259	4,645,990	4,906,395	4,724,928	5,811,710	4,903,428	4,924,297
Washington	1,796,790	1,801,776	1,611,155	1,275,553	954,830	949,696	1,035,299	1,195,932	1,224,731	1,290,932	1,258,938	1,321,618	1,341,576	1,565,062
West Virginia	136,617	130,683	128,943	267,356	176,069	214,603	217,651	293,354	256,984	195,904	255,939	252,030	254,038	371,432
Wisconsin	225,201	267,508	276,070	307,508	317,820	358,793	382,894	348,039	334,420	334,191	334,067	380,985	431,308	499,401
Wyoming	29,188	38,632	57,524	30,441	43,187	48,847	38,601	36,882	37,942	28,964	34,215	35,541	36,000	37,298

Source: National Science Foundation  
R&D includes commercial and non-commercial