

Table H1. Federal obligations for R&D by State:
fiscal years 1970-2005 (obligations in millions of constant FY 2008 dollars)

State	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	69,881	67,954	69,120	67,718	64,979	64,176	65,128	69,595	71,044	71,084	69,215	69,780	71,879	72,900	77,552	85,737	88,582	93,110	92,912	95,866
Alabama	1,619	1,563	1,500	1,498	1,403	1,232	1,197	1,209	1,183	1,297	1,156	1,066	1,110	1,270	1,480	1,642	2,103	2,315	2,287	2,635
Alaska	197	256	192	166	93	124	119	112	133	117	98	108	78	116	86	113	84	81	92	111
Arizona	336	386	378	374	378	390	387	415	532	591	772	769	518	890	700	807	684	724	632	808
Arkansas	44	90	54	66	54	80	85	78	117	94	70	67	87	62	64	71	71	88	92	94
California	17,839	14,664	14,746	15,584	15,445	16,558	17,463	17,529	16,449	16,821	14,860	15,478	18,043	16,044	16,827	19,559	20,243	23,273	24,765	25,458
Colorado	1,259	1,170	1,580	1,699	1,213	905	806	970	1,092	1,128	1,398	1,379	1,121	900	1,055	1,158	2,827	2,549	2,362	2,614
Connecticut	734	650	705	771	875	907	747	851	815	850	1,082	1,033	909	1,403	1,231	1,315	989	1,121	1,003	930
Delaware	74	56	71	160	38	34	25	44	30	36	49	58	68	39	116	62	52	55	60	50
District of Columbia	2,141	2,091	1,932	2,048	2,027	1,951	1,831	2,129	2,161	1,973	1,885	1,991	1,933	2,287	3,358	3,798	4,023	3,723	4,752	3,005
Florida	3,868	3,955	4,388	3,896	3,058	2,962	2,675	2,959	2,620	2,394	2,679	2,925	3,537	2,461	2,221	2,184	2,567	3,937	3,587	3,686
Georgia	335	348	302	265	260	270	286	323	425	463	391	411	428	448	450	515	455	625	571	627
Hawaii	200	174	198	190	196	163	150	108	122	103	98	106	87	137	97	103	95	108	144	152
Idaho	442	411	334	346	231	277	286	420	385	472	442	275	290	455	374	469	498	418	468	323
Illinois	1,507	1,435	1,473	1,461	1,349	1,330	1,422	1,639	1,719	1,520	1,541	1,352	1,208	1,214	1,368	1,545	1,439	1,536	1,499	1,562
Indiana	416	324	414	327	348	308	288	298	293	306	374	358	365	403	431	406	506	575	507	613
Iowa	152	148	159	155	172	161	154	177	190	217	286	312	271	183	250	266	389	308	325	307
Kansas	75	105	129	120	108	109	100	105	288	340	811	985	1,248	183	185	246	263	240	205	203
Kentucky	96	100	132	150	115	117	158	163	167	115	248	220	193	175	103	122	102	106	111	114
Louisiana	665	409	427	361	283	339	397	461	495	564	479	723	507	354	239	211	162	183	215	353
Maine	60	58	69	38	39	40	48	53	69	58	60	51	47	55	69	64	61	298	65	106
Maryland	4,885	5,285	5,553	5,837	5,823	5,475	5,718	5,964	5,863	5,901	5,779	5,513	5,737	6,545	7,405	7,905	7,852	6,911	7,166	7,729
Massachusetts	3,479	3,834	4,007	3,778	4,387	4,113	4,019	4,308	4,634	5,223	4,746	5,106	5,475	4,850	5,322	5,850	5,572	6,579	4,519	4,569
Michigan	751	808	776	623	721	828	694	915	997	667	885	766	752	775	878	888	790	775	682	1,074
Minnesota	496	459	526	474	477	409	476	538	482	508	601	647	742	841	1,156	1,259	883	845	933	932
Mississippi	131	202	251	277	335	208	234	308	251	261	266	269	257	360	288	324	268	373	330	373
Missouri	1,332	2,573	2,789	2,389	1,421	1,109	1,253	1,844	2,235	1,958	1,933	1,718	1,794	1,092	1,199	1,221	1,167	1,033	1,035	1,938
Montana	53	78	78	78	50	95	92	140	74	107	113	95	84	66	48	46	45	50	58	57
Nebraska	52	50	55	56	59	69	69	71	91	80	77	67	64	80	61	61	83	84	91	84
Nevada	939	755	647	619	446	537	592	573	580	615	544	723	795	1,274	992	1,130	911	915	883	773
New Hampshire	123	155	94	122	111	121	114	101	189	248	115	131	100	145	210	229	233	140	98	153
New Jersey	3,369	3,221	3,190	2,555	1,744	1,505	1,602	1,817	1,670	1,783	1,813	1,737	1,849	2,502	2,896	3,206	3,111	1,925	2,039	2,127
New Mexico	2,293	2,202	2,022	2,020	2,133	2,067	2,175	2,560	2,937	2,731	2,579	2,808	2,972	3,741	3,988	4,572	4,604	3,758	4,084	3,827
New York	5,691	4,952	4,500	3,984	4,041	3,666	3,543	3,641	3,636	3,573	3,580	3,434	3,438	4,872	4,822	5,607	5,590	5,092	4,531	4,675
North Carolina	302	357	366	418	418	389	433	638	528	561	541	545	536	593	690	868	855	979	1,012	882
North Dakota	40	39	45	38	39	44	47	57	82	87	98	87	74	53	70	60	62	50	67	61
Ohio	2,153	2,268	2,193	2,034	2,150	1,991	1,985	2,174	2,379	2,699	2,513	2,471	2,051	2,206	2,559	2,742	2,755	3,202	3,125	3,124
Oklahoma	133	113	120	137	110	115	100	140	286	177	224	178	131	130	120	145	123	167	185	190
Oregon	163	185	225	253	220	266	268	245	264	252	234	223	208	203	255	267	239	264	289	309
Pennsylvania	2,516	2,429	2,786	2,519	2,498	2,653	2,621	2,434	2,763	2,862	2,513	2,463	2,314	2,234	2,100	2,360	2,258	2,872	2,889	3,175
Rhode Island	141	226	294	249	277	265	329	332	331	360	350	385	478	505	554	640	681	620	546	491
South Carolina	88	106	113	107	134	94	106	200	338	309	208	240	321	289	481	223	219	239	254	360
South Dakota	37	48	46	48	47	23	23	24	25	29	30	23	39	24	25	25	25	22	22	24
Tennessee	934	868	851	969	1,008	1,091	1,388	1,681	1,855	1,747	1,843	2,026	1,501	867	1,114	1,033	1,064	1,269	1,009	988
Texas	2,963	2,586	2,720	2,600	2,411	2,396	2,615	2,389	2,739	2,521	2,118	2,186	2,083	2,655	2,680	2,947	3,406	3,894	4,130	5,113
Utah	280	242	246	264	267	273	316	388	458	535	564	642	569	505	424	443	493	736	757	824
Vermont	43	61	98	69	96	105	123	105	64	42	84	39	70	44	61	63	70	68	103	96
Virginia	1,606	1,855	2,218	2,258	2,404	2,488	2,362	2,317	2,391	2,464	2,526	2,300	2,522	4,338	4,155	4,374	4,884	3,970	4,581	4,519
Washington	1,927	2,683	2,329	2,418	2,756	2,790	2,503	2,857	2,688	2,375	2,479	2,376	2,190	1,352	1,618	1,871	2,019	3,173	2,904	2,803
West Virginia	97	140	124	127	98	160	167	194	244	300	378	324	180	198	141	136	169	221	221	203
Wisconsin	396	411	332	317	317	273	271	274	328	284	285	283	255	270	318	361	316	348	364	416
Wyoming	35	37	40	43	40	55	61	70	112	106	134	126	52	53	62	44	25	40	47	60

SOURCE: National Science Foundation, Federal Funds for R&D Historical Tables, 2003 and Federal Funds for R&D, FY 2005-2007, 2008. Constant-dollar conversions are based on GDP deflators from OMB. Total includes outlying areas and offices abroad.

Table H1. Federal obligations for R&D by State:
fiscal years 1970-2005 (obligations in millions of constant FY 2008 dollars)

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Total	96,491	90,596	94,550	94,860	91,808	91,099	88,239	89,749	91,342	94,286	92,310	97,746	103,109	109,649	119,839	119,736
Alabama	2,872	2,932	3,522	3,471	2,583	2,611	2,889	2,877	2,584	2,329	2,225	3,019	3,365	3,464	3,461	3,057
Alaska	153	149	132	129	331	130	121	131	135	143	179	253	648	435	433	270
Arizona	891	771	911	761	1,108	1,249	920	936	1,261	1,390	1,372	2,124	2,411	2,170	2,744	2,899
Arkansas	132	132	103	114	125	134	208	140	146	136	146	224	180	167	166	168
California	25,059	21,490	23,062	21,169	15,469	17,204	16,861	18,038	15,932	19,976	17,774	15,740	18,935	20,529	22,231	22,006
Colorado	2,881	3,968	2,164	1,894	1,881	1,428	1,694	1,776	1,763	1,842	1,711	1,661	2,018	1,957	2,108	2,299
Connecticut	767	976	819	740	995	1,198	1,041	1,086	884	817	1,093	1,706	2,299	2,424	2,539	2,423
Delaware	42	60	61	80	70	79	87	66	58	66	86	84	93	106	96	102
District of Columbia	2,400	2,833	3,106	3,450	3,367	3,646	3,345	2,855	2,825	3,115	2,924	3,134	3,390	3,360	3,745	4,354
Florida	3,617	3,344	4,196	3,928	4,061	3,216	3,921	4,325	3,553	2,910	2,991	3,367	2,916	3,086	3,517	2,492
Georgia	552	683	3,552	4,190	7,494	5,788	5,373	5,004	4,343	2,526	3,219	4,067	2,380	1,742	1,941	1,953
Hawaii	152	176	222	182	209	185	194	196	209	259	258	352	446	403	446	463
Idaho	535	470	478	456	324	291	342	296	282	260	297	271	285	256	315	320
Illinois	1,610	1,849	1,559	1,607	1,751	1,715	1,610	1,625	1,653	1,824	1,886	2,216	2,096	2,316	2,187	2,257
Indiana	547	555	529	739	550	570	590	533	480	523	632	658	628	657	612	603
Iowa	296	341	282	308	316	301	290	302	306	336	335	406	492	567	653	519
Kansas	179	128	132	135	129	161	277	327	196	243	276	369	346	220	236	225
Kentucky	146	179	101	119	127	103	105	117	273	183	252	324	376	269	273	311
Louisiana	232	274	276	251	312	253	331	293	320	308	318	348	547	571	487	451
Maine	61	84	88	91	113	71	74	88	135	189	306	546	307	167	216	263
Maryland	8,265	8,394	8,474	10,345	9,254	10,224	9,042	9,725	10,418	10,439	11,013	11,188	8,647	9,057	14,575	13,761
Massachusetts	4,591	4,595	4,580	4,928	4,343	4,443	4,159	4,398	3,935	3,916	5,102	5,211	5,470	6,171	6,308	6,263
Michigan	1,226	1,121	1,248	1,241	1,047	908	926	943	956	1,051	1,195	1,421	1,459	1,935	1,206	1,199
Minnesota	796	662	647	618	664	761	890	780	1,020	1,109	956	1,082	1,354	991	929	825
Mississippi	778	407	419	416	388	325	368	419	413	470	506	516	778	1,372	1,791	471
Missouri	1,599	859	1,037	1,004	3,074	2,129	1,650	1,448	1,181	1,157	1,089	1,096	1,411	1,478	3,330	4,381
Montana	47	69	105	97	82	91	89	113	105	120	119	172	141	156	213	198
Nebraska	121	119	108	110	118	115	116	107	108	118	124	164	175	168	175	157
Nevada	819	800	741	629	506	539	349	377	375	365	329	369	412	483	578	421
New Hampshire	218	284	226	329	296	282	349	358	340	363	440	502	348	419	402	398
New Jersey	2,479	2,498	2,377	2,035	1,932	1,762	1,685	1,719	1,879	3,347	2,418	1,942	2,395	2,128	2,446	2,590
New Mexico	3,763	3,172	3,350	3,435	2,763	2,768	2,636	2,624	2,527	2,695	2,745	3,262	3,357	3,478	3,726	3,744
New York	4,592	4,616	4,587	3,744	3,867	3,629	3,462	3,344	3,379	3,454	3,706	4,136	4,528	4,651	4,581	5,463
North Carolina	933	985	998	1,042	1,045	1,133	1,092	1,183	1,201	1,300	1,304	1,685	1,634	1,874	1,895	1,946
North Dakota	91	76	87	77	75	69	62	72	70	77	79	95	121	117	115	118
Ohio	3,217	2,668	2,800	2,738	2,517	2,588	2,269	2,460	7,122	4,719	2,276	2,871	2,523	2,774	3,040	2,591
Oklahoma	246	195	184	164	194	213	183	213	225	216	230	272	322	331	359	279
Oregon	282	318	322	335	386	382	410	415	443	518	575	642	595	559	509	607
Pennsylvania	3,166	3,202	2,604	3,671	2,775	3,212	2,558	2,466	2,399	2,406	2,950	3,145	3,734	4,428	3,837	3,524
Rhode Island	588	648	548	684	586	690	762	521	498	506	513	522	607	599	566	621
South Carolina	352	408	249	246	288	233	245	225	239	292	326	382	441	483	426	464
South Dakota	26	35	36	38	43	41	49	54	59	49	50	66	72	64	90	78
Tennessee	1,331	1,150	1,007	971	1,011	819	754	771	819	1,020	1,052	1,349	1,512	1,544	1,410	1,613
Texas	5,560	3,671	4,708	4,102	5,009	5,490	4,605	4,721	5,225	4,845	5,710	5,175	5,576	7,016	6,429	5,920
Utah	660	625	445	417	448	494	460	411	497	381	351	474	487	754	762	885
Vermont	64	82	72	86	66	70	64	64	73	77	90	135	159	208	237	185
Virginia	4,293	4,459	4,800	4,872	5,201	4,592	6,026	6,255	5,951	7,225	5,982	5,862	6,841	7,282	7,728	9,066
Washington	2,416	1,844	1,346	1,309	1,397	1,581	1,589	1,646	1,586	1,643	1,635	1,863	2,357	2,659	2,347	2,619
West Virginia	193	386	248	296	294	388	333	250	322	313	310	442	307	428	335	846
Wisconsin	414	445	448	495	517	460	434	426	421	474	526	595	723	807	782	764
Wyoming	86	44	61	67	52	49	49	37	43	44	44	44	47	47	51	37

SOURCE: National Sc