

Table II-1. R&D in the FY 2001 Budget by Agency and Character of Work

Table II-1. R&D in the FY 2001 Budget by Agency and Character of Work
(budget authority in millions of dollars)

	FY 1999	FY 2000	FY 2001	Change FY 00-01	
	Actual	Estimate	Budget	Amount	Percent
TOTAL R&D (Conduct of R&D and R&D Facilities)					
Defense (military)	38,888	39,282	38,576	-706	-1.8%
<i>S&T (6.1-6.3 + medical)</i>	7,612	8,667	7,609	-1,058	-12.2%
<i>All Other DOD R&D</i>	31,276	30,615	30,967	352	1.1%
Health and Human Services	15,825	18,082	19,168	1,086	6.0%
<i>Nat'l Institutes of Health</i>	14,995	17,102	18,094	992	5.8%
NASA	9,717	9,777	10,040	263	2.7%
Energy	6,966	7,117	7,639	522	7.3%
Nat'l Science Foundation	2,670	2,863	3,431	568	19.8%
Agriculture	1,645	1,763	1,824	61	3.5%
Commerce	1,084	1,073	1,148	75	7.0%
NOAA	593	591	594	3	0.5%
NIST	465	458	497	39	8.6%
Interior	499	573	590	17	2.9%
Transportation	607	606	778	172	28.3%
Environ. Protection Agency	669	647	673	26	4.0%
Veterans Affairs	644	655	655	0	0.0%
Education	205	233	271	38	16.3%
Int'l Assistance Programs	189	142	114	-28	-19.7%
Smithsonian	105	113	122	9	8.0%
Tennessee Valley Auth.	34	33	32	-1	-3.0%
Labor	69	71	42	-29	-40.8%
Nuclear Reg. Comm.	49	53	53	0	0.0%
Corps of Engineers	50	53	42	-11	-20.8%
Housing and Urban Dev.	58	45	62	17	37.8%
Justice	88	77	74	-3	-3.9%
Social Security	38	25	42	17	68.0%
Postal Service	67	45	45	0	0.0%
State	1	0	0	0	- -
Treasury	3	6	6	0	0.0%
Marine Mammal Com.	1	1	1	0	0.0%
Total R&D	80,171	83,334	85,427	2,093	2.5%
Defense R&D	42,085	42,583	41,981	-602	-1.4%
Nondefense R&D	38,086	40,751	43,446	2,695	6.6%
"FS&T" ¹	48,151	51,975	53,702	1,727	3.3%

(continued)

Table II-1. R&D in the FY 2001 Budget by Agency and Character of Work

Table II-1 (continued). R&D in the FY 2001 Budget by Agency and Character of Work
(budget authority in millions of dollars)

	FY 1999 Actual	FY 2000 Estimate	FY 2001 Budget	Change FY 00-01	
				Amount	Percent
BASIC RESEARCH					
(Please see Chapter 4 for a discussion of these data)					
Defense (military)	1,064	1,161	1,217	56	4.9%
Health and Human Services	8,634	9,834	10,399	565	5.7%
<i>Nat'l Institutes of Health</i>	<i>8,632</i>	<i>9,832</i>	<i>10,397</i>	<i>565</i>	<i>5.8%</i>
NASA	1,981	1,947	1,895	-52	-2.7%
Energy	2,225	2,237	2,376	139	6.2%
Nat'l Science Foundation	2,321	2,492	2,987	495	19.9%
Agriculture	634	692	740	48	6.9%
Commerce	41	41	53	13	31.1%
NOAA	0	0	0	0	- -
NIST	41	41	53	13	31.1%
Interior	50	61	63	2	3.7%
Transportation	44	46	69	23	50.0%
Environ. Protection Agency	57	58	58	0	-0.7%
Veterans Affairs	263	268	268	0	0.0%
Education	2	2	2	0	0.0%
Smithsonian	95	102	108	6	5.9%
Labor	2	2	2	0	0.0%
Corps of Engineers	3	3	3	0	0.0%
Justice	18	21	19	-2	-9.5%
Total BASIC RESEARCH	17,433	18,965	20,259	1,294	6.8%
Defense	1,110	1,205	1,262	57	4.7%
Nondefense	16,323	17,760	18,997	1,237	7.0%

(continued)

Table II-1. R&D in the FY 2001 Budget by Agency and Character of Work

Table II-1 (continued). R&D in the FY 2001 Budget by Agency and Character of Work
(budget authority in millions of dollars)

	FY 1999	FY 2000	FY 2001	Change FY 00-01	
	Actual	Estimate	Budget	Amount	Percent
APPLIED RESEARCH					
(Please see Chapter 4 for a discussion of these data)					
Defense (military-incl. medical)	3,095	3,680	3,210	-470	-12.8%
Health and Human Services	5,036	5,775	6,123	348	6.0%
<i>Nat'l Institutes of Health</i>	<i>4,245</i>	<i>4,856</i>	<i>5,116</i>	260	5.4%
NASA	2,305	2,386	2,819	433	18.2%
Energy	1,799	1,908	2,141	233	12.2%
Nat'l Science Foundation	144	164	193	29	17.6%
Agriculture	743	807	821	14	1.7%
Commerce	810	780	842	62	7.9%
NOAA	536	534	535	1	0.2%
NIST	268	240	297	57	23.6%
Interior	418	482	487	4	0.9%
Transportation	381	398	512	114	28.8%
Environ. Protection Agency	400	387	382	-5	-1.3%
Veterans Affairs	365	370	370	0	0.0%
Education	141	150	165	15	10.0%
Int'l Assistance Programs	141	103	83	-20	-19.4%
Smithsonian	0	0	0	0	- -
Tennessee Valley Auth.	3	3	3	0	0.0%
Labor	7	7	8	1	14.3%
Nuclear Reg. Comm.	49	53	53	0	0.0%
Corps of Engineers	18	20	14	-6	-30.0%
Housing and Urban Dev.	58	45	62	17	37.8%
Justice	36	27	18	-9	-33.3%
Social Security	38	25	42	17	68.0%
State	1	0	0	0	- -
Treasury	3	6	6	0	0.0%
Marine Mammal Com.	1	1	1	0	0.0%
Total APPLIED RESEARCH	15,992	17,577	18,355	777	4.4%
Defense	4,394	5,087	4,853	-234	-4.6%
Nondefense	11,597	12,490	13,501	1,011	8.1%

(continued)

Table II-1. R&D in the FY 2001 Budget by Agency and Character of Work

Table II-1 (continued). R&D in the FY 2001 Budget by Agency and Character of Work
(budget authority in millions of dollars)

	FY 1999 Actual	FY 2000 Estimate	FY 2001 Budget	Change FY 00-01	
				Amount	Percent
Total RESEARCH (basic + applied)					
(Please see Chapter 4 for a discussion of these data)					
Defense (military)	4,159	4,841	4,428	-414	-8.5%
Health and Human Services	13,670	15,608	16,522	913	5.9%
<i>Nat'l Institutes of Health</i>	<i>12,877</i>	<i>14,687</i>	<i>15,513</i>	825	5.6%
NASA	4,286	4,332	4,713	381	8.8%
Energy	4,024	4,145	4,517	372	9.0%
Nat'l Science Foundation	2,465	2,656	3,180	524	19.7%
Agriculture	1,377	1,499	1,561	62	4.1%
Commerce	850	821	895	74	9.1%
NOAA	536	534	535	1	0.2%
NIST	308	281	350	69	24.7%
Interior	468	543	550	7	1.2%
Transportation	425	444	581	137	31.0%
Environ. Protection Agency	457	445	440	-5	-1.2%
Veterans Affairs	628	638	638	0	0.0%
Education	143	152	167	15	9.9%
Int'l Assistance Programs	141	103	83	-20	-19.4%
Smithsonian	95	102	108	6	5.9%
Tennessee Valley Auth.	3	3	3	0	0.0%
Labor	9	9	10	1	11.1%
Nuclear Reg. Comm.	49	53	53	0	0.0%
Corps of Engineers	21	23	17	-6	-26.1%
Housing and Urban Dev.	58	45	62	17	37.8%
Justice	54	48	37	-11	-22.9%
Social Security	38	25	42	17	68.0%
State	1	0	0	0	- -
Treasury	3	6	6	0	0.0%
Marine Mammal Com.	1	1	1	0	0.0%
Total RESEARCH	33,425	36,542	38,613	2,071	5.7%
Defense	5,504	6,292	6,115	-177	-2.8%
Nondefense	27,921	30,251	32,498	2,248	7.4%

(continued)

Table II-1. R&D in the FY 2001 Budget by Agency and Character of Work

Table II-1 (continued). R&D in the FY 2001 Budget by Agency and Character of Work
(budget authority in millions of dollars)

	FY 1999 Actual	FY 2000 Estimate	FY 2001 Budget	Change FY 00-01	
				Amount	Percent
DEVELOPMENT					
Defense (military)	34,448	34,193	33,892	-300	-0.9%
<i>S&T (6.3 Development)</i>	3,453	3,826	3,182	-644	-16.8%
<i>All Other DOD Develop.</i>	30,995	30,367	30,711	344	1.1%
Health and Human Services	1,917	2,224	2,413	189	8.5%
<i>Nat'l Institutes of Health</i>	1,888	2,173	2,357	184	8.5%
NASA	5,092	5,092	4,920	-172	-3.4%
Energy	1,988	2,069	2,180	111	5.4%
Nat'l Science Foundation	0	0	0	0	--
Agriculture	109	109	118	9	8.3%
Commerce	141	109	179	70	64.2%
<i>NOAA</i>	22	22	22	0	0.0%
<i>NIST</i>	100	70	111	41	58.5%
Interior	25	24	34	10	41.8%
Transportation	167	149	182	33	21.9%
Environ. Protection Agency	96	92	91	-1	-0.9%
Veterans Affairs	16	17	17	0	0.0%
Education	62	81	104	23	28.4%
Int'l Assistance Programs	48	39	31	-8	-20.5%
Smithsonian	0	0	0	0	--
Tennessee Valley Auth.	31	30	29	-1	-3.3%
Labor	60	62	32	-30	-48.4%
Corps of Engineers	19	20	15	-5	-25.0%
Justice	34	29	37	8	27.6%
Postal Service	67	45	45	0	0.0%
Total Development	44,321	44,383	44,318	-65	-0.1%
Defense	35,802	35,554	35,299	-255	-0.7%
Nondefense	8,519	8,829	9,020	190	2.2%

(continued)

Table II-1. R&D in the FY 2001 Budget by Agency and Character of Work

Table II-1 (continued). R&D in the FY 2001 Budget by Agency and Character of Work
(budget authority in millions of dollars)

	FY 1999	FY 2000	FY 2001	Change FY 00-01	
	Actual	Estimate	Budget	Amount	Percent
Total CONDUCT OF R&D (basic + applied research, development)					
Defense (military)	38,607	39,034	38,320	-714	-1.8%
<i>S&T (6.1-6.3 + medical)</i>	7,612	8,667	7,609	-1,058	-12.2%
<i>All Other DOD Conduct</i>	30,995	30,367	30,711	344	1.1%
Health and Human Services	15,587	17,832	18,934	1,102	6.2%
<i>Nat'l Institutes of Health</i>	14,765	16,860	17,869	1,009	6.0%
NASA	9,378	9,424	9,633	209	2.2%
Energy	6,012	6,214	6,697	483	7.8%
Nat'l Science Foundation	2,465	2,656	3,180	524	19.7%
Agriculture	1,486	1,608	1,679	71	4.4%
Commerce	991	930	1,074	144	15.5%
<i>NOAA</i>	558	556	557	1	0.2%
<i>NIST</i>	408	351	461	110	31.4%
Interior	493	567	584	17	2.9%
Transportation	592	593	763	170	28.7%
Environ. Protection Agency	553	537	531	-6	-1.2%
Veterans Affairs	644	655	655	0	0.0%
Education	205	233	271	38	16.3%
Int'l Assistance Programs	189	142	114	-28	-19.7%
Smithsonian	95	102	108	6	5.9%
Tennessee Valley Auth.	34	33	32	-1	-3.0%
Labor	69	71	42	-29	-40.8%
Nuclear Reg. Comm.	49	53	53	0	0.0%
Corps of Engineers	40	43	32	-11	-25.6%
Housing and Urban Dev.	58	45	62	17	37.8%
Justice	88	77	74	-3	-3.9%
Social Security	38	25	42	17	68.0%
Postal Service	67	45	45	0	0.0%
State	1	0	0	0	--
Treasury	3	6	6	0	0.0%
Marine Mammal Com.	1	1	1	0	0.0%
Total Conduct of R&D	77,745	80,925	82,931	2,006	2.5%
Defense	41,306	41,846	41,414	-432	-1.0%
Nondefense	36,440	39,080	41,518	2,438	6.2%

(continued)

Table II-1. R&D in the FY 2001 Budget by Agency and Character of Work

Table II-1 (continued). R&D in the FY 2001 Budget by Agency and Character of Work
(budget authority in millions of dollars)

	FY 1999 Actual	FY 2000 Estimate	FY 2001 Budget	Change FY 00-01	
				Amount	Percent
R&D Facilities and Capital Equipment					
Defense (military)	281	248	256	8	3.2%
Health and Human Services	238	249	233	-16	-6.4%
<i>Nat'l Institutes of Health</i>	230	241	224	-17	-7.0%
NASA	339	352	407	55	15.5%
Energy	954	903	942	39	4.4%
Nat'l Science Foundation	205	208	251	43	20.8%
Agriculture	159	155	145	-10	-6.5%
Commerce	93	143	74	-69	-48.3%
NOAA	35	35	37	2	5.7%
NIST	57	107	36	-71	-66.4%
Interior	6	6	6	0	0.0%
Transportation	15	14	15	2	12.8%
Environ. Protection Agency	116	110	142	32	29.1%
Education	0	0	0	0	- -
Corps of Engineers	10	10	10	0	0.0%
Smithsonian	10	11	14	3	27.3%
Total R&D Facils.	2,426	2,409	2,496	87	3.6%
Defense	780	737	567	-170	-23.1%
Nondefense	1,646	1,671	1,928	257	15.4%

Source: AAAS, based on OMB data for R&D for FY 2001, agency budget justifications, and information from agency budget offices.

Note: The projected inflation rate between FY 2000 and FY 2001 is 2.0 percent.

See individual agency tables for more information.

All figures are rounded to the nearest million. Changes calculated from unrounded figures.

¹ An alternative measure for the federal investment in science and technology proposed by the National Academy of Sciences. This measure includes all federal R&D except for advanced development, testing and evaluation work in DOD and DOE.

See Chapter 7.