

Table II-1. R&D in the FY 2007 Budget by Agency and Character of Work

Table II-1. R&D in the FY 2007 Budget by Agency and Character of Work
(budget authority in millions of dollars)

	FY 2005	FY 2006	FY 2007	Change FY 06-07	
	Actual	Estimate	Budget	Amount	Percent
TOTAL R&D (Conduct of R&D and R&D Facilities)					
Defense (military)	70,269	72,485	74,076	1,591	2.2%
<i>S&T (6.1-6.3 + medical)</i>	13,564	13,778	11,214	-2,565	-18.6%
<i>All Other DOD R&D</i>	56,705	58,706	62,862	4,155	7.1%
Health and Human Services	29,161	29,111	29,062	-49	-0.2%
<i>Nat'l Institutes of Health</i>	27,875	27,805	27,810	5	0.0%
NASA	10,618	11,295	12,202	907	8.0%
Energy	8,620	8,721	9,047	326	3.7%
<i>Atomic Energy Defense</i>	4,009	4,062	3,975	-87	-2.1%
<i>Office of Science</i>	3,375	3,320	3,798	478	14.4%
<i>Energy R&D</i>	1,236	1,339	1,274	-65	-4.8%
Nat'l Science Foundation	4,102	4,175	4,523	348	8.3%
Agriculture	2,410	2,411	2,012	-399	-16.5%
Commerce	1,121	1,074	1,064	-10	-0.9%
<i>NOAA</i>	646	617	578	-39	-6.3%
<i>NIST</i>	444	423	450	27	6.4%
Interior	621	635	595	-40	-6.2%
Transportation	707	838	767	-71	-8.5%
Environ. Protection Agency	641	600	557	-43	-7.1%
Veterans Affairs	742	765	765	0	0.0%
Education	308	302	299	-3	-1.0%
Homeland Security	1,240	1,281	1,149	-132	-10.3%
Int'l Assistance Programs	255	255	255	0	0.0%
Smithsonian	140	171	174	3	1.8%
Tennessee Valley Auth.	21	20	22	2	10.0%
Labor	5	5	5	0	0.0%
Nuclear Reg. Comm.	67	60	67	7	11.7%
Corps of Engineers	21	37	11	-26	-70.3%
Housing and Urban Dev.	45	55	68	13	23.6%
Justice	99	102	98	-4	-3.9%
Social Security	35	27	27	0	0.0%
Postal Service	41	41	40	-1	-2.4%
Total R&D	131,289	134,465	136,885	2,420	1.8%
Defense R&D	74,641	76,900	78,388	1,488	1.9%
Nondefense R&D	56,648	57,565	58,498	932	1.6%

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Table II-1 (continued). R&D in the FY 2007 Budget by Agency and Character of Work
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	FY 2005 Actual	FY 2006 Estimate	FY 2007 Budget	Change FY 06-07	
				Amount	Percent
BASIC RESEARCH					
(Please see Chapter 3 for a discussion of these data)					
Defense (military)	1,485	1,470	1,422	-48	-3.3%
Health and Human Services	15,826	15,995	16,026	31	0.2%
<i>Nat'l Institutes of Health</i>	<i>15,823</i>	<i>15,992</i>	<i>16,023</i>	31	0.2%
NASA	2,486	2,318	2,214	-105	-4.5%
Energy	2,867	2,907	3,268	361	12.4%
Nat'l Science Foundation	3,407	3,462	3,671	208	6.0%
Agriculture	838	846	771	-75	-8.9%
Commerce	53	56	87	31	55.7%
NOAA	0	0	0	0	--
NIST	53	56	87	31	55.7%
Interior	36	42	38	-4	-9.9%
Transportation	65	65	68	3	4.6%
Environ. Protection Agency	109	102	95	-7	-7.1%
Veterans Affairs	297	306	306	0	0.0%
Education	13	13	13	0	0.0%
Homeland Security	55	95	49	-46	-48.4%
Int'l Assistance Programs	18	18	18	0	0.0%
Smithsonian	115	128	133	5	3.9%
Labor	2	2	2	0	0.0%
Corps of Engineers	1	1	1	0	0.0%
Justice	6	7	7	0	0.0%
Total BASIC RESEARCH	27,678	27,834	28,188	354	1.3%
Defense	1,508	1,502	1,456	-46	-3.0%
Nondefense	26,170	26,332	26,732	399	1.5%

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Table II-1 (continued). R&D in the FY 2007 Budget by Agency and Character of Work
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	FY 2005 Actual	FY 2006 Estimate	FY 2007 Budget	Change FY 06-07 Amount	Percent
APPLIED RESEARCH					
(Please see Chapter 3 for a discussion of these data)					
Defense (military; incl. Med.)	5,310	5,706	4,609	-1,097	-19.2%
Health and Human Services	12,946	12,922	12,849	-74	-0.6%
<i>Nat'l Institutes of Health</i>	<i>11,755</i>	<i>11,693</i>	<i>11,673</i>	<i>-21</i>	<i>-0.2%</i>
NASA	2,187	1,675	1,122	-553	-33.0%
Energy	2,891	2,831	2,689	-142	-5.0%
Nat'l Science Foundation	332	319	379	59	18.6%
Agriculture	1,124	1,157	974	-183	-15.8%
Commerce	813	779	769	-10	-1.3%
NOAA	522	502	490	-12	-2.4%
NIST	280	263	267	4	1.6%
Interior	533	543	505	-38	-7.0%
Transportation	389	461	450	-11	-2.3%
Environ. Protection Agency	416	386	359	-28	-7.1%
Veterans Affairs	401	414	414	0	0.0%
Education	193	190	187	-3	-1.6%
Homeland Security	904	1,031	854	-177	-17.1%
Int'l Assistance Programs	197	197	197	0	0.0%
Smithsonian	0	0	0	0	--
Tennessee Valley Auth.	8	10	11	1	10.0%
Labor	3	3	3	0	0.0%
Nuclear Reg. Comm.	67	60	67	7	11.7%
Corps of Engineers	10	18	5	-13	-72.2%
Housing and Urban Dev.	45	55	68	13	23.6%
Justice	29	31	29	-2	-6.5%
Social Security	35	27	27	0	0.0%
Total APPLIED RESEARCH	28,834	28,815	26,567	-2,249	-7.8%
Defense	7,835	8,085	6,889	-1,196	-14.8%
Nondefense	20,999	20,730	19,677	-1,052	-5.1%

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Table II-1 (continued). R&D in the FY 2007 Budget by Agency and Character of Work
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	FY 2005 Actual	FY 2006 Estimate	FY 2007 Budget	Change FY 06-07 Amount	Percent
Total RESEARCH (basic + applied)					
(Please see Chapter 3 for a discussion of these data)					
Defense (military; incl. Med.)	6,795	7,176	6,031	-1,145	-16.0%
Health and Human Services	28,772	28,918	28,875	-43	-0.1%
<i>Nat'l Institutes of Health</i>	27,578	27,686	27,696	10	0.0%
NASA	4,673	3,993	3,336	-657	-16.5%
Energy	5,758	5,738	5,957	219	3.8%
Nat'l Science Foundation	3,738	3,782	4,049	268	7.1%
Agriculture	1,962	2,003	1,745	-258	-12.9%
Commerce	866	834	856	21	2.5%
NOAA	522	502	490	-12	-2.4%
NIST	333	318	354	35	11.0%
Interior	569	585	543	-42	-7.2%
Transportation	455	526	519	-8	-1.5%
Environ. Protection Agency	525	488	453	-35	-7.1%
Veterans Affairs	698	720	720	0	0.0%
Education	206	203	200	-3	-1.5%
Homeland Security	959	1,126	903	-223	-19.8%
Int'l Assistance Programs	215	215	215	0	0.0%
Smithsonian	115	128	133	5	3.9%
Tennessee Valley Auth.	8	10	11	1	10.0%
Labor	5	5	5	0	0.0%
Nuclear Reg. Comm.	67	60	67	7	11.7%
Corps of Engineers	11	19	6	-13	-68.4%
Housing and Urban Dev.	45	55	68	13	23.6%
Justice	35	38	36	-2	-5.3%
Social Security	35	27	27	0	0.0%
Total RESEARCH	56,512	56,649	54,754	-1,895	-3.3%
Defense	9,343	9,587	8,345	-1,242	-13.0%
Nondefense	47,169	47,062	46,409	-653	-1.4%

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	FY 2005 Actual	FY 2006 Estimate	FY 2007 Budget	Change FY 06-07	
				Amount	Percent
DEVELOPMENT					
Defense (military)	63,339	65,223	68,026	2,803	4.3%
<i>S&T (6.3 Development)</i>	6,768	6,603	5,183	-1,420	-21.5%
<i>All Other DOD Develop.</i>	56,571	58,620	62,843	4,223	7.2%
Health and Human Services	84	64	64	0	0.0%
<i>Nat'l Institutes of Health</i>	0	0	0	0	--
NASA	3,579	5,147	6,657	1,511	29.4%
Energy	1,843	1,851	1,932	81	4.4%
Nat'l Science Foundation	0	0	0	0	--
Agriculture	156	164	155	-9	-5.5%
Commerce	147	117	94	-24	-20.1%
<i>NOAA</i>	68	64	64	0	0.0%
<i>NIST</i>	60	34	7	-28	-80.3%
Interior	50	47	49	2	5.1%
Transportation	234	294	230	-64	-21.8%
Environ. Protection Agency	116	112	104	-8	-7.1%
Veterans Affairs	44	45	45	0	0.0%
Education	102	99	99	0	0.0%
Homeland Security	249	133	246	114	85.7%
Int'l Assistance Programs	40	40	40	0	0.0%
Tennessee Valley Auth.	13	10	11	1	10.0%
Corps of Engineers	10	18	5	-13	-72.2%
Justice	64	64	62	-2	-3.1%
Postal Service	41	41	40	-1	-2.4%
Total Development	<u>70,109</u>	<u>73,468</u>	<u>77,859</u>	4,391	6.0%
Defense	64,704	66,567	69,436	2,868	4.3%
Nondefense	5,406	6,901	8,423	1,523	22.1%

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Table II-1 (continued). R&D in the FY 2007 Budget by Agency and Character of Work
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	FY 2005 Actual	FY 2006 Estimate	FY 2007 Budget	Change FY 06-07 Amount Percent	
Total CONDUCT OF R&D (basic + applied research, development)					
Defense (military)	70,134	72,399	74,057	1,658	2.3%
<i>S&T (6.1-6.3 + medical)</i>	13,564	13,778	11,214	-2,565	-18.6%
<i>All Other DOD Conduct</i>	56,570	58,620	62,843	4,222	7.2%
Health and Human Services	28,856	28,982	28,939	-43	-0.1%
<i>Nat'l Institutes of Health</i>	27,578	27,686	27,696	10	0.0%
NASA	8,252	9,140	9,993	853	9.3%
Energy	7,601	7,589	7,889	300	4.0%
Nat'l Science Foundation	3,738	3,782	4,049	268	7.1%
Agriculture	2,118	2,167	1,900	-267	-12.3%
Commerce	1,013	952	949	-2	-0.3%
<i>NOAA</i>	590	566	554	-12	-2.1%
<i>NIST</i>	393	353	360	8	2.1%
Interior	618	632	592	-40	-6.3%
Transportation	688	820	748	-72	-8.7%
Environ. Protection Agency	641	600	557	-43	-7.1%
Veterans Affairs	742	765	765	0	0.0%
Education	308	302	299	-3	-1.0%
Homeland Security	1,208	1,258	1,149	-109	-8.7%
Int'l Assistance Programs	255	255	255	0	0.0%
Smithsonian	115	128	133	5	3.9%
Tennessee Valley Auth.	21	20	22	2	10.0%
Labor	5	5	5	0	0.0%
Nuclear Reg. Comm.	67	60	67	7	11.7%
Corps of Engineers	21	37	11	-26	-70.3%
Housing and Urban Dev.	45	55	68	13	23.6%
Justice	99	102	98	-4	-3.9%
Social Security	35	27	27	0	0.0%
Postal Service	41	41	40	-1	-2.4%
Total Conduct of R&D	126,621	130,117	132,613	2,496	1.9%
Defense	74,047	76,154	77,781	1,626	2.1%
Nondefense	52,574	53,963	54,832	870	1.6%

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Table II-1 (continued). R&D in the FY 2007 Budget by Agency and Character of Work
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	FY 2005 Actual	FY 2006 Estimate	FY 2007 Budget	Change FY 06-07	
				Amount	Percent
R&D Facilities and Capital Equipment					
Defense (military)	135	86	19	-67	-77.9%
Health and Human Services	305	129	123	-6	-4.4%
<i>Nat'l Institutes of Health</i>	297	119	114	-5	-4.0%
NASA	2,366	2,155	2,209	54	2.5%
Energy	1,019	1,132	1,158	26	2.3%
Nat'l Science Foundation	364	393	473	80	20.5%
Agriculture	292	244	112	-132	-54.1%
Commerce	108	122	115	-7	-6.0%
NOAA	56	51	24	-27	-52.9%
NIST	51	70	90	20	28.1%
Interior	3	3	3	0	0.0%
Transportation	18	18	19	1	4.5%
Homeland Security	32	23	0	-23	-100.0%
Smithsonian	25	43	41	-2	-4.7%
Total R&D Facils.	<u>4,668</u>	<u>4,348</u>	4,272	-76	-1.7%
Defense	594	745	607	-138	-18.6%
Nondefense	4,074	3,602	3,665	63	1.7%

Source: AAAS, based on OMB data for R&D for FY 2007, agency budget justifications, and information from agency budget offices.

Note: The projected inflation rate between FY 2006 and FY 2007 is 2.2 percent.

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