

Table II-1. R&D in the FY 2008 Budget by Agency and Character of Work

Table II-1. R&D in the FY 2008 Budget by Agency and Character of Work
(budget authority in millions of dollars)

	FY 2006	FY 2007	FY 2008	Change FY 07-08	
	Actual	Estimate *	Budget	Amount	Percent
TOTAL R&D (Conduct of R&D and R&D Facilities)					
Defense (military)	74,289	78,231	78,996	765	1.0%
<i>S&T (6.1-6.3 + medical)</i>	13,838	13,677	10,922	-2,755	-20.1%
<i>All Other DOD R&D</i>	60,451	64,554	68,075	3,520	5.5%
Health and Human Services	28,976	29,644	29,350	-294	-1.0%
<i>Nat'l Institutes of Health</i>	27,747	28,399	28,066	-333	-1.2%
NASA	11,295	11,806	12,594	788	6.7%
Energy	8,584	8,732	9,234	502	5.7%
<i>Atomic Energy Defense</i>	4,072	3,699	3,796	97	2.6%
<i>Office of Science</i>	3,356	3,511	4,052	541	15.4%
<i>Energy R&D</i>	1,156	1,522	1,386	-136	-8.9%
Nat'l Science Foundation	4,183	4,482	4,856	374	8.3%
Agriculture	2,438	2,256	2,011	-245	-10.8%
Commerce	1,085	1,117	1,087	-30	-2.7%
<i>NOAA</i>	624	601	544	-57	-9.5%
<i>NIST</i>	436	491	514	23	4.7%
Interior	639	640	621	-19	-2.9%
Transportation	817	794	813	19	2.4%
Environ. Protection Agency	622	557	540	-18	-3.1%
Veterans Affairs	769	818	822	4	0.5%
Education	323	318	317	-1	-0.3%
Homeland Security	1,300	1,005	996	-8	-0.8%
Int'l Assistance Programs	255	255	255	0	0.0%
Smithsonian	153	175	183	8	4.6%
Tennessee Valley Auth.	20	21	22	1	4.8%
Labor	3	4	4	0	0.0%
Nuclear Reg. Comm.	68	74	77	3	4.1%
Corps of Engineers	37	11	11	0	0.0%
Housing and Urban Dev.	55	50	65	15	29.8%
Justice	103	100	96	-4	-4.0%
Social Security	27	27	27	0	0.0%
Postal Service	44	43	42	-1	-2.3%
Total R&D	136,086	141,159	143,019	1,859	1.3%
Defense R&D	78,737	82,226	82,967	741	0.9%
Nondefense R&D	57,349	58,933	60,051	1,118	1.9%

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Table II-1 (continued). R&D in the FY 2008 Budget by Agency and Character of Work
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	FY 2006 Actual	FY 2007 Estimate *	FY 2008 Budget	Change FY 07-08 Amount	Percent
BASIC RESEARCH					
(Please see Chapter 3 for a discussion of these data)					
Defense (military)	1,457	1,564	1,428	-136	-8.7%
Health and Human Services	15,532	15,944	15,554	-391	-2.5%
<i>Nat'l Institutes of Health</i>	<i>15,529</i>	<i>15,941</i>	<i>15,551</i>	<i>-391</i>	<i>-2.5%</i>
NASA	2,299	2,259	2,226	-33	-1.5%
Energy	2,930	3,167	3,409	242	7.7%
Nat'l Science Foundation	3,492	3,751	3,977	226	6.0%
Agriculture	853	815	771	-44	-5.4%
Commerce	118	130	164	34	26.3%
NOAA	52	52	62	10	--
NIST	66	78	102	24	31.1%
Interior	42	42	39	-3	--
Transportation	0	0	0	0	--
Environ. Protection Agency	104	95	91	-3	-3.4%
Veterans Affairs	318	328	330	2	0.6%
Education	6	8	8	0	0.0%
Homeland Security	85	105	132	27	25.7%
Int'l Assistance Programs	18	18	18	0	0.0%
Smithsonian	125	129	137	8	6.2%
Labor	0	0	0	0	--
Corps of Engineers	1	1	1	0	0.0%
Justice	8	7	6	-1	-14.3%
Total BASIC RESEARCH	27,388	28,362	28,292	-71	-0.2%
Defense	1,490	1,601	1,458	-143	-9.0%
Nondefense	25,898	26,761	26,834	73	0.3%

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Table II-1 (continued). R&D in the FY 2008 Budget by Agency and Character of Work
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	FY 2006 Actual	FY 2007 Estimate *	FY 2008 Budget	Change FY 07-08 Amount	Percent
APPLIED RESEARCH					
(Please see Chapter 3 for a discussion of these data)					
Defense (military; incl. Med.)	5,514	5,678	4,491	-1,187	-20.9%
Health and Human Services	13,259	13,527	13,592	66	0.5%
<i>Nat'l Institutes of Health</i>	<i>12,095</i>	<i>12,344</i>	<i>12,371</i>	28	0.2%
NASA	1,680	1,160	1,127	-33	-2.8%
Energy	2,690	2,766	2,870	104	3.7%
Nat'l Science Foundation	285	307	380	74	24.0%
Agriculture	1,149	1,146	984	-162	-14.1%
Commerce	729	758	695	-63	-8.3%
NOAA	454	454	402	-52	-11.5%
NIST	267	296	286	-10	-3.4%
Interior	546	538	525	-13	-2.5%
Transportation	495	478	542	64	13.3%
Environ. Protection Agency	401	359	347	-12	-3.4%
Veterans Affairs	405	442	444	2	0.5%
Education	186	176	174	-2	-1.1%
Homeland Security	556	575	596	21	3.7%
Int'l Assistance Programs	197	197	197	0	0.0%
Smithsonian	0	0	0	0	--
Tennessee Valley Auth.	6	6	7	1	16.7%
Labor	3	4	4	0	0.0%
Nuclear Reg. Comm.	68	74	77	3	4.1%
Corps of Engineers	18	5	5	0	0.0%
Housing and Urban Dev.	55	50	65	15	29.8%
Justice	30	27	25	-2	-7.4%
Social Security	27	27	27	0	0.0%
Total APPLIED RESEARCH	28,300	28,299	27,174	-1,125	-4.0%
Defense	7,765	7,869	6,760	-1,109	-14.1%
Nondefense	20,535	20,430	20,414	-16	-0.1%

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Table II-1 (continued). R&D in the FY 2008 Budget by Agency and Character of Work
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	FY 2006 Actual	FY 2007 Estimate *	FY 2008 Budget	Change FY 07-08 Amount	Percent
Total RESEARCH (basic + applied)					
(Please see Chapter 3 for a discussion of these data)					
Defense (military; incl. Med.)	6,972	7,242	5,920	-1,322	-18.3%
Health and Human Services	28,791	29,471	29,146	-325	-1.1%
<i>Nat'l Institutes of Health</i>	<i>27,624</i>	<i>28,285</i>	<i>27,922</i>	<i>-363</i>	<i>-1.3%</i>
NASA	3,979	3,419	3,353	-66	-1.9%
Energy	5,620	5,933	6,279	346	5.8%
Nat'l Science Foundation	3,777	4,058	4,358	300	7.4%
Agriculture	2,002	1,961	1,755	-206	-10.5%
Commerce	846	888	859	-29	-3.2%
NOAA	506	506	464	-42	-8.3%
NIST	332	374	388	14	3.8%
Interior	588	580	564	-16	-2.8%
Transportation	495	478	542	64	13.3%
Environ. Protection Agency	505	453	438	-15	-3.4%
Veterans Affairs	723	770	774	4	0.5%
Education	192	184	182	-2	-1.1%
Homeland Security	641	680	728	48	7.1%
Int'l Assistance Programs	215	215	215	0	0.0%
Smithsonian	125	129	137	8	6.2%
Tennessee Valley Auth.	6	6	7	1	16.7%
Labor	3	4	4	0	0.0%
Nuclear Reg. Comm.	68	74	77	3	4.1%
Corps of Engineers	19	6	6	0	0.0%
Housing and Urban Dev.	55	50	65	15	29.8%
Justice	38	34	31	-3	-8.8%
Social Security	27	27	27	0	0.0%
Total RESEARCH	55,688	56,661	55,466	-1,195	-2.1%
Defense	9,255	9,470	8,218	-1,252	-13.2%
Nondefense	46,433	47,191	47,248	57	0.1%

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Table II-1 (continued). R&D in the FY 2008 Budget by Agency and Character of Work
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	FY 2006 Actual	FY 2007 Estimate *	FY 2008 Budget	Change FY 07-08	
				Amount	Percent
DEVELOPMENT					
Defense (military)	67,154	70,929	72,873	1,944	2.7%
<i>S&T (6.3 Development)</i>	6,866	6,436	5,003	-1,433	-22.3%
<i>All Other DOD Develop.</i>	60,288	64,493	67,870	3,377	5.2%
Health and Human Services	50	50	51	1	2.0%
<i>Nat'l Institutes of Health</i>	0	0	0	0	--
NASA	5,119	6,210	6,707	497	8.0%
Energy	1,937	1,898	1,900	2	0.1%
Nat'l Science Foundation	0	0	0	0	--
Agriculture	167	165	159	-6	-3.6%
Commerce	93	95	72	-23	-24.5%
<i>NOAA</i>	44	44	42	-2	-4.5%
<i>NIST</i>	33	35	9	-26	-74.6%
Interior	46	53	55	3	5.0%
Transportation	304	297	252	-45	-15.1%
Environ. Protection Agency	117	104	102	-2	-2.0%
Veterans Affairs	46	48	48	0	0.0%
Education	131	134	135	1	0.7%
Homeland Security	659	325	268	-57	-17.4%
Int'l Assistance Programs	40	40	40	0	0.0%
Tennessee Valley Auth.	14	15	15	0	0.0%
Corps of Engineers	18	5	5	0	0.0%
Justice	65	66	65	-1	-1.5%
Postal Service	44	43	42	-1	-2.3%
Total Development	76,003	80,477	82,790	2,313	2.9%
Defense	68,782	72,214	74,165	1,951	2.7%
Nondefense	7,221	8,263	8,624	361	4.4%

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Table II-1 (continued). R&D in the FY 2008 Budget by Agency and Character of Work
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	FY 2006 Actual	FY 2007 Estimate *	FY 2008 Budget	Change FY 07-08 Amount Percent	
Total CONDUCT OF R&D (basic + applied research, development)					
Defense (military)	74,125	78,171	78,792	621	0.8%
<i>S&T (6.1-6.3 + medical)</i>	13,838	13,677	10,922	-2,755	-20.1%
<i>All Other DOD Conduct</i>	60,287	64,494	67,871	3,376	5.2%
Health and Human Services	28,841	29,521	29,197	-324	-1.1%
<i>Nat'l Institutes of Health</i>	27,624	28,285	27,922	-363	-1.3%
NASA	9,098	9,629	10,060	431	4.5%
Energy	7,557	7,831	8,179	348	4.4%
Nat'l Science Foundation	3,777	4,058	4,358	300	7.4%
Agriculture	2,169	2,126	1,914	-212	-10.0%
Commerce	940	983	931	-52	-5.3%
<i>NOAA</i>	550	550	506	-44	-8.0%
<i>NIST</i>	366	409	397	-12	-3.0%
Interior	634	633	619	-14	-2.2%
Transportation	799	775	794	19	2.4%
Environ. Protection Agency	622	557	540	-18	-3.1%
Veterans Affairs	769	818	822	4	0.5%
Education	323	318	317	-1	-0.3%
Homeland Security	1,300	1,005	996	-8	-0.8%
Int'l Assistance Programs	255	255	255	0	0.0%
Smithsonian	125	129	137	8	6.2%
Tennessee Valley Auth.	20	21	22	1	4.8%
Labor	3	4	4	0	0.0%
Nuclear Reg. Comm.	68	74	77	3	4.1%
Corps of Engineers	37	11	11	0	0.0%
Housing and Urban Dev.	55	50	65	15	29.8%
Justice	103	100	96	-4	-4.0%
Social Security	27	27	27	0	0.0%
Postal Service	44	43	42	-1	-2.3%
Total Conduct of R&D	131,691	137,139	138,256	1,117	0.8%
Defense	78,037	81,684	82,383	699	0.9%
Nondefense	53,654	55,454	55,872	418	0.8%

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Table II-1 (continued). R&D in the FY 2008 Budget by Agency and Character of Work
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	FY 2006 Actual	FY 2007 Estimate *	FY 2008 Budget	Change FY 07-08	
				Amount	Percent
R&D Facilities and Capital Equipment					
Defense (military)	164	60	204	144	240.0%
Health and Human Services	135	123	153	30	24.3%
<i>Nat'l Institutes of Health</i>	123	114	144	30	26.2%
NASA	2,197	2,178	2,534	356	16.4%
Energy	1,027	901	1,055	154	17.1%
Nat'l Science Foundation	406	424	498	73	17.3%
Agriculture	269	130	97	-33	-25.1%
Commerce	146	133	155	22	16.7%
NOAA	74	51	38	-13	-25.5%
NIST	71	81	116	35	43.4%
Interior	5	7	2	-5	-71.4%
Transportation	18	19	19	0	-0.5%
Smithsonian	28	46	46	0	0.0%
Total R&D Facils.	<u>4,395</u>	<u>4,021</u>	<u>4,763</u>	742	18.5%
Defense	700	542	584	42	7.7%
Nondefense	3,695	3,479	4,179	700	20.1%

Source: AAAS, based on OMB data for R&D for FY 2008, agency budget justifications, and information from agency budget offices.

Note: The projected inflation rate between FY 2007 and FY 2008 is 2.4 percent.

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

April 17, 2007 - revised

* FY 2007 figures reflect AAAS estimates of final FY 2007 appropriations (P.L. 110-5).

FY 2007 and 2008 figures include requested supplementals in DOD.