

AAAS Analysis. Outyear Projections for Nondefense R&D in the FY 2007 Budget

(all figures in millions of dollars budget authority)

PRELIMINARY - March 8, 2006

Agency/Program	KEY	R&D FY 2006 Estimate*	R&D FY 2007 Budget*	R&D FY 2008 Projected	R&D FY 2009 Projected	R&D FY 2010 Projected	R&D FY 2011 Projected	% change 2006-2011	constant \$ % change 2006-2011
National Institutes of Health	1*	27,805	27,810	27,041	27,010	26,774	27,174	-2.3%	-12.1%
AHRQ	1*	341	341	330	328	323	327	-4.1%	-13.7%
CDC	1	544	534	516	513	506	512	-6.0%	-15.4%
FDA	1	149	145	142	143	143	145	-2.5%	-12.3%
CMA	1*	70	41	40	39	39	39	-44.2%	-49.8%
HRSA	1	33	33	32	32	31	32	-4.3%	-13.9%
Departmental Management	1	122	114	115	118	120	124	1.6%	-8.6%
Admin. Children and Families	1	44	44	44	44	44	39	-10.3%	-19.4%
Other HHS R&D	2	3	0	0	0	0	0	-100.0%	-100.0%
Total HHS R&D		29,111	29,062	28,259	28,227	27,981	28,392	-2.5%	-12.3%
NASA Space Station	4	1,753	1,811	2,200	2,256	2,197	2,361	34.6%	21.1%
NASA Constellation Systems	4	1,734	3,058	3,068	3,613	4,084	7,698	344.1%	299.5%
NASA Science	4	5,254	5,330	5,383	5,437	5,492	5,546	5.6%	-5.0%
NASA Human Systems R&T	4	624	275	282	282	293	312	-50.0%	-55.0%
NASA Exploration Sys. R&T	4	693	646	632	605	679	765	10.4%	-0.7%
NASA Aeronautics	4	884	724	732	732	723	723	-18.3%	-26.5%
All Other NASA R&D	2	353	358	358	358	358	358	1.3%	-8.9%
Total NASA R&D		11,295	12,202	12,655	13,283	13,825	17,763	57.3%	41.5%
Science	1*	3,320	3,798	4,042	4,303	4,580	4,875	46.8%	32.1%
Energy Supply and Conserv.	1	780	888	859	854	842	852	9.2%	-1.7%
Fossil Energy R&D	1	479	330	280	317	312	317	-33.9%	-40.5%
Other DOE nondef. R&D	2	80	56	56	56	56	56	-30.0%	-37.0%
Total DOE nondef. R&D		4,659	5,072	5,237	5,529	5,791	6,100	30.9%	17.8%
Res. & Related Activities	1*	3,844	4,138	4,433	4,747	5,083	5,444	41.6%	27.4%
Major Res. Equipment	3	191	240	257	276	296	317	65.9%	49.2%
R&D in Edu. and Hum. Res.	1	140	144	154	165	177	190	35.4%	21.8%
Total NSF R&D		4,175	4,523	4,844	5,188	5,556	5,951	42.5%	28.2%
Agri Research Serv. Programs	3	1,131	1,001	974	973	966	980	-13.4%	-22.1%
ARS Trust Funds	3	18	18	18	18	18	18	0.0%	-10.0%

(continued)

AAAS Analysis. Outyear Projections for Nondefense R&D in the FY 2007 Budget

(all figures in millions of dollars budget authority)

PRELIMINARY - March 8, 2006

Agency/Program	KEY	R&D FY 2006 Estimate*	R&D FY 2007 Budget*	R&D FY 2008 Projected	R&D FY 2009 Projected	R&D FY 2010 Projected	R&D FY 2011 Projected	% change 2006-2011	constant \$ % change 2006-2011
ARS facils.	3	139	8	8	8	8	8	-94.2%	-94.8%
CSREES Programs	1*	667	540	524	519	514	520	-22.1%	-29.9%
Economic Research Serv.	3	75	83	80	80	79	80	6.7%	-4.1%
Forest Service	3	313	302	292	290	286	289	-7.5%	-16.8%
Natural Resources	1	15	14	0	0	0	0	-100.0%	-100.0%
Animal and Plant Inspection	1	25	27	27	27	27	28	12.8%	1.5%
All Other USDA R&D	2	28	19	19	19	19	19	-32.1%	-39.0%
Total USDA R&D		2,411	2,012	1,922	1,916	1,898	1,924	-20.2%	-28.2%
USGS	1	559	532	511	508	501	507	-9.3%	-18.4%
Other Interior R&D	2	76	63	63	63	63	63	-17.1%	-25.4%
Total Interior R&D		635	595	574	571	564	570	-10.2%	-19.2%
FHWA (Highway Admin)	2	380	397	397	397	397	397	4.6%	-5.9%
Federal Transit Admin.	1	6	8	9	10	9	10	67.4%	50.6%
Federal Railroad Admin.	1*	48	38	37	37	36	37	-22.8%	-30.6%
Federal Aviation Admin.	1*	310	235	228	226	223	226	-27.0%	-34.3%
NHTSA	1	58	51	51	51	51	51	-11.6%	-20.5%
Office of Sec.	1	15	9	9	9	9	9	-40.0%	-46.0%
RITA	1	2	4	4	4	4	4	76.6%	58.9%
Other Transportation R&D	2	20	25	25	25	25	25	20.8%	8.6%
Total DOT R&D		838	767	760	759	754	759	-9.5%	-18.6%
NOAA R&D	1	617	578	559	556	549	555	-10.0%	-19.1%
NIST Sci & Technical Res. Services	1	315	382	419	456	495	539	71.1%	53.9%
NIST Adv. Tech. Program	1	60	0	0	0	0	0	-100.0%	-100.0%
NIST Construction	3	48	68	74	80	87	95	96.8%	77.0%
Census	1	26	29	28	28	27	28	6.7%	-4.0%
Other (NTIA)	1	8	7	7	7	7	7	-17.4%	-25.7%
Total Commerce R&D		1,074	1,064	1,087	1,126	1,165	1,224	13.9%	2.5%
Total EPA R&D	1	600	557	544	545	542	551	-8.2%	-17.4%
Total Education R&D	5	302	299	289	288	283	287	-5.1%	-14.6%

(continued)

AAAS Analysis. Outyear Projections for Nondefense R&D in the FY 2007 Budget

(all figures in millions of dollars budget authority)

PRELIMINARY - March 8, 2006

Agency/Program	KEY	R&D FY 2006 Estimate*	R&D FY 2007 Budget*	R&D FY 2008 Projected	R&D FY 2009 Projected	R&D FY 2010 Projected	R&D FY 2011 Projected	% change 2006-2011	constant \$ % change 2006-2011
DHS S&T R&D (nondefense)	1	909	469	480	497	514	535	-41.2%	-47.1%
Coast Guard	1	19	15	15	15	14	15	-21.1%	-29.0%
Domestic Nuclear Detection	1	0	328	345	362	379	399	--	--
Total DHS nondefense R&D		928	812	840	874	907	949	2.2%	-8.1%
Total Int'l Assistance R&D	1	255	255	247	245	242	244	-4.1%	-13.8%
Total Veterans R&D	3	765	765	750	746	736	746	-2.5%	-12.3%
Total NRC R&D	1	60	67	65	65	65	66	9.8%	-1.3%
Total Smithsonian R&D	1	171	174	170	170	169	171	0.2%	-9.9%
Total TVA R&D	2	20	22	22	22	22	22	10.0%	-1.1%
Total Corps R&D	1	37	11	11	11	11	11	-71.1%	-74.0%
Total Labor R&D	2	5	5	5	5	5	5	0.0%	-10.0%
Total HUD R&D	3	55	68	66	65	64	65	18.2%	6.3%
Total Justice R&D	1	102	98	108	108	107	108	6.3%	-4.4%
Total Other R&D	2	68	67	67	67	67	67	-1.5%	-11.4%
TOTAL NONDEFENSE R&D		57,565	58,498	58,521	59,809	60,754	65,972	14.6%	3.1%

Data from *Budget of the United States Government for Fiscal Year 2007* OMB budget projections to FY 2011 and agency budget documents.

Percentage changes in right column adjusted for inflation according to GDP deflators (see below).

* - Source: estimates of R&D in *AAAS Report XXXI: Research and Development FY 2007*.

KEY OF ASSUMPTIONS:

1 = Based on specific outyear projection for account in budget projections, assuming R&D as percent of account remains constant at the proposed FY 2007 ratio.

1* = See above. R&D accounts for over 90 percent of spending in this account.

2 = Not specifically mentioned in outyear projections; assumes freeze at FY 2007 requested level.

3 = R&D accounts for 100 percent of spending in this account; specific outyear projection in outyear projections.

4 = Based on detailed NASA projections in NASA budget justification.

5 = Based on projections for the two accounts containing most of Education's R&D.

Deflators	2006	2007	2008	2009	2010	2011	2006-2011
	1.0000	1.0220	1.0441	1.0661	1.0885	1.1117	1.1117
Annual projected inflation (change from previous year)		2.20%	2.17%	2.11%	2.09%	2.14%	

deflators from OMB, *Budget of the United States Government FY 2007* Historical Tables 10.1.