

AAAS Analysis. Projected Effects of Proposed House FY 1997 Budget Resolution on Nondefense R&D
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(all figures in millions of dollars budget authority)

The proposed House budget resolution for FY 1997 is a plan to balance the federal budget by fiscal year 2002. The resolution contains detailed policy assumptions on the cuts necessary to achieve a balanced budget, including cuts to R&D programs. This table calculates the effects on nondefense R&D of the budget resolution drafted by the majority staff of House Budget Committee (May, 1996). The methodology used in this analysis is identical to the July 1995 AAAS analysis *Projected Effects of (FY 1996) Congressional Budget Resolution on Nondefense R&D*. This analysis is companion to a similar analysis of the President's FY 1997 budget plan. FY 1995 R&D figures are before rescissions enacted in 1995. FY 1996 figures represent the latest AAAS estimates of R&D. FY 1997-2002 figures are estimates based on the detailed policy assumptions accompanying the House resolution. The proposed House budget resolution is only a draft. It must be approved by the House and then reconciled with the Senate budget resolution in a final concurrent budget resolution. This analysis will be updated when the final budget resolution is approved by the House and the Senate. The program allocations in the budget resolution are only guides, and are not binding on appropriators.

Agency/Program	KEY	R&D* FY 1995 original	R&D FY 1996 est.	R&D FY 1997 est.	R&D FY 1998 est.	R&D FY 1999 est.	R&D FY 2000 est.	R&D FY 2001 est.	R&D FY 2002 est.	R&D** FY 2002 constant \$	constant \$ difference 1995-2002
NIH	1	10,840	11,443	11,443	11,443	11,443	11,443	11,443	11,443	9,836	-9.3%
Agcy. Health Care Policy	1	139	65	65	65	65	65	65	65	56	-59.7%
CDC	2	318	323	154	154	154	154	154	154	132	-58.4%
FDA	1	206	170	170	170	170	170	170	170	146	-29.1%
Other HHS R&D	1,3	187	90	90	90	90	90	90	90	78	-58.5%
Total HHS R&D		11,690	12,091	11,922	11,922	11,922	11,922	11,922	11,922	10,248	-12.3%
NASA Human Space Flt	1	1,902	1,876	1,876	1,876	1,876	1,876	1,876	1,876	1,612	-15.2%
NASA SAT Space R&D	1,17	5,072	5,083	4,783	4,783	4,783	4,783	4,783	4,783	4,111	-18.9%
NASA Mission Support	1	1,619	1,612	1,612	1,612	1,612	1,612	1,612	1,612	1,385	-14.4%
NASA SAT Aeronautics	1	882	846	786	763	735	662	640	627	539	-38.9%
NASA Wind Tunnels	4	400	0	0	0	0	0	0	0	0	-100.0%
Total NASA R&D		9,875	9,416	9,056	9,033	9,005	8,932	8,910	8,897	7,648	-22.5%
General Science (Physics)	5	974	972	1,000	991	991	991	991	991	851	-12.6%
Energy Supply R&D	5	2,210	1,811	1,687	1,594	1,527	1,461	1,395	1,328	1,142	-48.3%
Fossil Energy R&D	6	350	333	177	80	40	0	0	0	0	-100.0%
Energy Conservation R&D	6	396	309	221	74	37	0	0	0	0	-100.0%
Clean Coal Technology	7	37	150	0	0	0	0	0	0	0	-100.0%
Uranium Enrichment	1	3	3	3	3	3	3	3	3	3	-7.9%
Total DOE nondef R&D		3,969	3,577	3,088	2,741	2,598	2,455	2,388	2,322	1,996	-49.7%
Res. & Related Activities	8	2,061	2,138	2,201	2,228	2,295	2,364	2,434	2,507	2,155	4.6%
Academic Research Infra.	1	250	100	100	100	100	100	100	100	86	-65.6%

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Agency/Program	KEY	R&D* FY 1995 original	R&D FY 1996 est.	R&D FY 1997 est.	R&D FY 1998 est.	R&D FY 1999 est.	R&D FY 2000 est.	R&D FY 2001 est.	R&D FY 2002 est.	R&D** FY 2002 constant \$	constant \$ difference 1995-2002
(NSF continued)											
Major Res. Equipment	1	126	70	70	70	70	70	70	70	60	-52.2%
R&D in Edu. and Hum. Res.	9	107	93	94	85	81	80	80	80	69	-35.4%
Total NSF R&D		2,544	2,401	2,464	2,483	2,546	2,614	2,685	2,758	2,371	-6.8%
Agri Research Serv.	10	752	702	575	540	540	540	540	540	464	-38.3%
CSREES	10	489	452	361	336	336	336	336	336	289	-40.9%
Economics Research Serv.	1	54	53	53	53	53	53	53	53	46	-14.8%
Natl Agric. Stats Service	1	4	4	4	4	4	4	4	4	3	-4.5%
Foreign Agricultural Serv	1	1	1	1	1	1	1	1	1	1	-24.3%
Forest Service	1	204	181	181	181	181	181	181	181	156	-23.7%
Other USDA R&D	1	36	32	32	32	32	32	32	32	27	-23.3%
Total USDA R&D		1,540	1,425	1,207	1,148	1,148	1,148	1,148	1,148	987	-35.9%
USGS (incl NBS)	1	535	516	516	516	516	516	516	516	444	-17.0%
Bureau of Mines	7	103	56	0	0	0	0	0	0	0	-100.0%
Nat'l Park Service	1	19	12	12	12	12	12	12	12	10	-45.7%
Other Interior R&D	1	30	38	38	38	38	38	38	38	33	10.0%
Total Interior R&D		686	622	566	566	566	566	566	566	487	-29.0%
FHWA (Highway Admin)	5	277	256	221	115	85	80	75	70	61	-78.1%
Federal Transit Admin.	7	21	16	0	0	0	0	0	0	0	-100.0%
Maritime Admin.	7	3	0	0	0	0	0	0	0	0	-100.0%
Federal Railroad Admin.	5	28	30	19	19	19	19	19	19	16	-40.7%
Federal Aviation Admin.	5	292	233	233	227	207	207	207	207	178	-39.0%
Other Transportation R&D	11	68	66	56	56	56	56	56	56	48	-28.4%
Total DOT R&D		687	602	530	418	368	363	358	353	304	-55.8%
NOAA R&D Facils.	1	38	11	11	11	11	11	11	11	10	-74.4%
NOAA Operations, Res & Facils R&D	5	531	508	488	468	453	440	440	440	378	-28.8%
Other NOAA R&D	12	19	17	9	9	9	9	9	9	8	-60.0%
NIST Sci & Technical Res Service	13	214	208	232	239	246	253	260	268	230	7.6%
NIST ATP	7	409	208	0	0	0	0	0	0	0	-100.0%

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Agency/Program	KEY	R&D* FY 1995 original	R&D FY 1996 est.	R&D FY 1997 est.	R&D FY 1998 est.	R&D FY 1999 est.	R&D FY 2000 est.	R&D FY 2001 est.	R&D FY 2002 est.	R&D** FY 2002 constant \$	constant \$ difference 1995-2002
(DOC continued)											
NIST Construction	5	63	-15	105	60	60	60	60	60	52	-18.1%
Econ. Develop. Admin.	14	1	1	0	0	0	0	0	0	0	-100.0%
Other Commerce R&D	14	10	11	7	7	7	7	7	7	6	-39.2%
Total Commerce R&D		1,284	948	852	794	786	780	787	795	683	-46.8%
Total EPA R&D	5	619	528	490	490	490	490	490	490	421	-31.9%
Total Education R&D	1	175	175	175	175	175	175	175	175	150	-13.9%
Total AID R&D	15	314	175	130	63	14	0	0	0	0	-100.0%
Total Veterans R&D	1	297	266	266	266	266	266	266	266	229	-23.0%
Total NRC R&D	1	82	59	59	59	59	59	59	59	51	-38.2%
Total Smithsonian R&D	5	135	135	135	133	118	106	106	106	91	-32.2%
Total TVA R&D	5	89	65	45	45	45	45	45	45	39	-56.3%
Total Corps R&D	1	55	46	46	46	46	46	46	46	40	-27.6%
Total Labor R&D	1	62	34	34	34	34	34	34	34	29	-52.7%
Total HUD R&D	1	41	34	34	34	34	34	34	34	29	-27.8%
Total Other R&D	16	171	147	147	147	147	147	147	147	126	-26.0%
TOTAL NONDEFENSE R&D		34,312	32,746	31,246	30,598	30,369	30,183	30,167	30,163	25,928	-24.4%

Data from House Budget Committee's detailed policy assumptions for the FY 1997 House Budget Resolution

* - Source: AAAS Report XX: Research and Development FY 1996. This analysis uses FY 1995 original as the baseline to reflect the seven-year timetable for balancing the budget and to reflect the R&D budget before FY 1995 rescissions, which were the first step toward a balanced budget.

** - expressed in FY 1995 dollars. Adjusted for inflation according to GDP deflators.

KEY OF ASSUMPTIONS:

1 = No policy changes in budget resolution; freeze at baseline FY 1996 spending level, assuming R&D as percent of account remains constant at the FY 1996 ratio.

- 2 = Elimination of the National Institute for Occupational Safety and Health; all other R&D frozen at FY 1996 level.
CDC revised its classification of its R&D programs, leading to a FY 1995 total higher than originally reported.
- 3 = Includes R&D in the Social Security Administration.
- 4 = \$400 million in original BA for FY 1995, later reallocated to SAT as \$35 million for FY 95 and \$365 million in FY 98.
Proposal would rescind the FY 1998 budget authority.
- 5 = Based on specific policy changes in budget resolution, assuming R&D as percent of account remains constant at FY 1996 ratio.
- 6 = Budget resolution assumes phased elimination of program.
- 7 = Budget resolution assumes immediate elimination of program.
- 8 = Funds added to "basic science" at NSF; table adds funds to R&RA, assuming R&D as percent of R&RA remains constant at FY 1996 ratio.
- 9 = Funds cut from "other programs" at NSF; table subtracts funds from EHR, assuming R&D as percent of EHR remains constant at FY 1996 ratio.
- 10 = Funds cut from "Agricultural Research and Extensions"; table subtracts funds from ARS and CSREES, assuming R&D as percent of accounts remains constant at FY 1996 ratio.
- 11 = Elimination of RSPA and Office of Secretary R&D; other R&D frozen at FY 1996 level.
- 12 = Elimination of Fleet Modernization R&D; other R&D frozen at FY 1996 level.
- 13 = Funds added to "NIST's Core Programs"; table adds funds to STRS, assuming R&D as percent of account remains constant at FY 1996 ratio.
- 14 = Budget resolution assumes elimination of Commerce Dept.; Census R&D assumed to survive at FY 1996 level.
- 15 = Assumes phased elimination of AID R&D because of cuts to "Development Assistance"; AID would be merged with State Dept.
- 16 = Justice, USPS and other small agency R&D frozen at FY 1997 levels.
- 17 = Assumes \$1.8 billion cut over six years from Mission to Planet Earth. Distributed at \$300 million a year.

	1995*	1996	1997	1998	1999	2000	2001	2002
Nondefense R&D in FY 1995 \$	34,312	32,105	29,976	28,720	27,865	27,099	26,501	25,928
Annual % change in constant \$ from previous year		-6.4%	-6.6%	-4.2%	-3.0%	-2.8%	-2.2%	-2.2%

	1,995	1996	1997	1998	1999	2000	2001	2002	1995-2002
Deflators	1.2879	1.3136	1.3425	1.3721	1.4036	1.4345	1.4661	1.4983	1.1634
deflators from OMB, <i>Budget of the United States Government FY 1997</i> Historical Tables 10.1.									
Annual projected inflation (change from previous year)		2.0%	2.2%	2.2%	2.3%	2.2%	2.2%	2.2%	