

**AAAS Analysis. Projected Effects of FY 1997 Concurrent (Final) Budget Resolution on Nondefense R&D**  
**(4 pages - Corrected Version 6/21)**

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(all figures in millions of dollars budget authority)

The concurrent budget resolution for FY 1997 is a plan to balance the federal budget by fiscal year 2002. The House version of the resolution contained 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 the House Budget Committee (May, 1996). It has been adjusted to reflect changes made to the House resolution in the final conference report of the budget resolution ( H Rpt. 104-612). 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, adjusted for changes made in the conference report of the concurrent budget resolution. The program allocations in the budget resolution are only guides, and are not binding on appropriators.

Agency/Program	R&D* KEY 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	18	10,840	11,443	11,446	11,446	11,446	11,446	11,446	11,446	9,838	-9.2%
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%
<b>Total HHS R&amp;D</b>		<b>11,690</b>	<b>12,091</b>	<b>11,925</b>	<b>11,925</b>	<b>11,925</b>	<b>11,925</b>	<b>11,925</b>	<b>11,925</b>	<b>10,250</b>	<b>-12.3%</b>
NASA Human Space Flt	1,20	1,902	1,876	1,876	1,857	1,838	1,838	1,838	1,876	1,612	-15.2%
NASA SAT Space R&D	1,17	5,072	5,083	4,983	4,730	4,692	4,692	4,711	4,783	4,111	-18.9%
NASA Mission Support	1,20	1,619	1,612	1,612	1,595	1,579	1,579	1,579	1,612	1,385	-14.4%
NASA SAT Aeronautics	1,19	882	846	846	763	735	662	640	627	539	-38.9%
NASA Wind Tunnels	4	400	0	0	0	0	0	0	0	0	-100.0%
<b>Total NASA R&amp;D</b>		<b>9,875</b>	<b>9,416</b>	<b>9,316</b>	<b>8,946</b>	<b>8,845</b>	<b>8,772</b>	<b>8,769</b>	<b>8,897</b>	<b>7,648</b>	<b>-22.5%</b>
General Science (Physics)	5,20	974	972	1,000	981	971	976	976	991	851	-12.6%
Energy Supply R&D	5,19	2,210	1,811	1,811	1,753	1,726	1,709	1,653	1,594	1,370	-38.0%
Fossil Energy R&D	6,19	350	333	333	88	45	0	0	0	0	-100.0%
Energy Conservation R&D	6,19	396	309	309	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%
<b>Total DOE nondef R&amp;D</b>		<b>3,969</b>	<b>3,577</b>	<b>3,456</b>	<b>2,899</b>	<b>2,782</b>	<b>2,688</b>	<b>2,631</b>	<b>2,587</b>	<b>2,224</b>	<b>-44.0%</b>
Res. & Related Activities	8,20	2,061	2,138	2,201	2,206	2,249	2,317	2,398	2,507	2,155	4.6%
Academic Research Infra.	1	250	100	100	100	100	100	100	100	86	-65.6%

(continued)

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(NSF continued)										
Major Res. Equipment	1	126	70	70	70	70	70	70	60	-52.2%
R&D in Edu. and Hum. Res.	9,20	107	93	94	84	80	79	79	69	-35.4%
<b>Total NSF R&amp;D</b>		<b>2,544</b>	<b>2,401</b>	<b>2,464</b>	<b>2,460</b>	<b>2,498</b>	<b>2,566</b>	<b>2,647</b>	<b>2,371</b>	<b>-6.8%</b>
Agri Research Serv.	10,19	752	702	702	611	627	632	659	608	-19.1%
CSREES	10,19	489	452	452	380	390	394	410	379	-22.6%
Economics Research Serv.	1	54	53	53	53	53	53	53	46	-14.8%
Natl Agric. Stats Service	1	4	4	4	4	4	4	4	3	-4.5%
Foreign Agricultural Serv	1	1	1	1	1	1	1	1	1	-24.3%
Forest Service	1	204	181	181	181	181	181	181	156	-23.7%
Other USDA R&D	1	36	32	32	32	32	32	32	27	-23.3%
<b>Total USDA R&amp;D</b>		<b>1,540</b>	<b>1,425</b>	<b>1,425</b>	<b>1,262</b>	<b>1,288</b>	<b>1,297</b>	<b>1,341</b>	<b>1,220</b>	<b>-20.8%</b>
USGS (incl NBS)	1	535	516	516	516	516	516	516	444	-17.0%
Bureau of Mines	7	103	56	0	0	0	0	0	0	-100.0%
Nat'l Park Service	1	19	12	12	12	12	12	12	10	-45.7%
Other Interior R&D	1	30	38	38	38	38	38	38	33	10.0%
<b>Total Interior R&amp;D</b>		<b>686</b>	<b>622</b>	<b>566</b>	<b>566</b>	<b>566</b>	<b>566</b>	<b>566</b>	<b>487</b>	<b>-29.0%</b>
FHWA (Highway Admin)	5,19	277	256	256	115	85	80	75	61	-78.1%
Federal Transit Admin.	7	21	16	0	0	0	0	0	0	-100.0%
Maritime Admin.	7	3	0	0	0	0	0	0	0	-100.0%
Federal Railroad Admin.	5,19	28	30	30	30	30	30	30	26	-6.6%
Federal Aviation Admin.	5	292	233	233	227	207	207	207	178	-39.0%
Other Transportation R&D	11	68	66	56	56	56	56	56	48	-28.4%
<b>Total DOT R&amp;D</b>		<b>687</b>	<b>602</b>	<b>576</b>	<b>429</b>	<b>379</b>	<b>374</b>	<b>369</b>	<b>313</b>	<b>-54.4%</b>
NOAA R&D Facils.	1	38	11	11	11	11	11	11	10	-74.4%
NOAA Operations, Res & Facils R&D	5,19	531	508	508	468	453	440	440	378	-28.8%
Other NOAA R&D	12,19	19	17	17	17	17	17	17	14	-23.6%
NIST Sci & Technical Res Service	13	214	208	232	239	246	253	260	230	7.6%
NIST ATP	7	409	208	0	0	0	0	0	0	-100.0%

(continued)

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Agency/Program	R&D* KEY 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	52	-18.1%
Econ. Develop. Admin.	14	1	1	0	0	0	0	0	0	-100.0%
Other Commerce R&D	14	10	11	7	7	7	7	7	6	-39.2%
<b>Total Commerce R&amp;D</b>	<b>1,284</b>	<b>948</b>	<b>880</b>	<b>802</b>	<b>794</b>	<b>788</b>	<b>795</b>	<b>803</b>	<b>690</b>	<b>-46.3%</b>
<b>Total EPA R&amp;D</b>	<b>5</b>	<b>619</b>	<b>528</b>	<b>490</b>	<b>490</b>	<b>490</b>	<b>490</b>	<b>490</b>	<b>421</b>	<b>-31.9%</b>
Total Education R&D	1	175	175	175	175	175	175	175	150	-13.9%
Total AID R&D	15	314	175	130	63	14	0	0	0	-100.0%
Total Veterans R&D	1	297	266	266	266	266	266	266	229	-23.0%
Total NRC R&D	1	82	59	59	59	59	59	59	51	-38.2%
Total Smithsonian R&D	5	135	135	135	133	118	106	106	91	-32.2%
Total TVA R&D	5	89	65	45	45	45	45	45	39	-56.3%
Total Corps R&D	1	55	46	46	46	46	46	46	40	-27.6%
Total Labor R&D	1	62	34	34	34	34	34	34	29	-52.7%
Total HUD R&D	1	41	34	34	34	34	34	34	29	-27.8%
Total Other R&D	16	171	147	147	147	147	147	147	126	-26.0%
<b>TOTAL NONDEFENSE R&amp;D</b>	<b>34,312</b>	<b>32,746</b>	<b>32,170</b>	<b>30,781</b>	<b>30,507</b>	<b>30,378</b>	<b>30,446</b>	<b>30,723</b>	<b>26,408</b>	<b>-23.0%</b>

Data from House Budget Committee's detailed policy assumptions for the FY 1997 House Budget Resolution; adjusted based on conference report for "Concurrent Resolution on the Budget" (House Report 104-612).

\* - 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 House 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 House 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 = House 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. See also 20.
- 18 = Specific spending level specified in conference report (H Rpt 104-612).
- 19 = Additional funds allocated in conference report over House resolution, distributed proportionally among activities in the function.
- 20 = Cuts (in some years) and additions (in other years) in conference report over House resolution, distributed proportionally.

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	1995*	1996	1997	1998	1999	2000	2001	2002
<b>Nondefense R&amp;D in FY 1995 \$</b>	<b>34,312</b>	<b>32,105</b>	<b>30,862</b>	<b>28,892</b>	<b>27,992</b>	<b>27,274</b>	<b>26,746</b>	<b>26,408</b>
Annual % change in constant \$ from previous year		<b>-6.4%</b>	<b>-3.9%</b>	<b>-6.4%</b>	<b>-3.1%</b>	<b>-2.6%</b>	<b>-1.9%</b>	<b>-1.3%</b>

	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%	