

AAAS Analysis: Projected Effects of Congressional Budget Resolution on Nondefense R&D

(budget authority in millions of dollars)

The Concurrent Resolution on the Budget sets out a plan to balance the federal budget by fiscal year 2002. The original House resolution contained detailed policy assumptions on the funding level for selected discretionary programs from 1995 to 2002. An earlier version of this table calculated the effect of the House resolution on federal R&D programs using the assumptions contained in the House resolution (see key to assumptions at the end of the table). The concurrent resolution, reached after compromise with the Senate, contains few differences in discretionary spending totals. Because the concurrent resolution uses the House resolution as a base, this table assumes that the policy assumptions used to achieve the discretionary spending totals in the House resolution are mostly valid for the concurrent. Some adjustments have been made to reflect additional language in the concurrent resolution affecting R&D. It must be noted that the resolution is only a plan for the budget, and its assumptions regarding individual programs are not binding on appropriators (although the overall spending targets are binding).

Agency/Program	KEY	R&D**	R&D	R&D	R&D	R&D	R&D	R&D	R&D	R&D***	const. \$ diff. 95-2002
		FY 1995 est.	FY 1996 est.	FY 1997 est.	FY 1998 est.	FY 1999 est.	FY 2000 est.	FY 2001 est.	FY 2002 est.	FY 2002 const. \$	
NIH	13	10,840	10,732	10,515	10,515	10,515	10,515	10,515	10,515	8,467	-21.9%
Agency Health Care Polc.	2	139	0	0	0	0	0	0	0	0	-100.0%
Other HHS R&D	3	610	610	610	610	610	610	610	610	491	-19.5%
Total HHS R&D		11,589	11,342	11,125	11,125	11,125	11,125	11,125	11,125	8,958	-22.7%
NASA Human Space Flt	1,14	1,902	1,883	1,816	1,697	1,649	1,533	1,533	1,533	1,234	-35.1%
NASA SAT Space R&D	1,14	5,072	4,476	4,375	4,263	4,085	4,082	4,082	4,082	3,287	-35.2%
NASA Mission Support	1,14	1,619	1,711	1,678	1,660	1,651	1,634	1,634	1,634	1,315	-18.8%
NASA SAT Aeronautics	1,14	882	677	653	639	629	614	614	614	495	-43.9%
NASA Wind Tunnels	2	400	0	0	0	0	0	0	0	0	-100.0%
Total NASA R&D		9,875	8,747	8,523	8,258	8,015	7,863	7,863	7,863	6,331	-35.9%
General Science (Physics)	1	974	989	940	890	890	890	890	890	717	-26.3%
Energy Supply R&D	1	2,210	1,790	1,620	1,560	1,486	1,431	1,431	1,431	1,152	-47.8%
Fossil Energy R&D	1	350	119	107	95	87	79	79	79	64	-81.8%
Energy Conservation R&D	1	396	213	206	198	193	188	188	188	152	-61.7%
Clean Coal Technology	2	37	0	0	0	0	0	0	0	0	-100.0%
Uranium Enrichment	1	3	2	1	1	1	1	1	1	1	-61.7%
Total DOE nondef R&D		3,969	3,113	2,874	2,745	2,658	2,590	2,590	2,590	2,086	-47.4%
Research & Related Acts.	4,14	2,061	2,045	2,119	2,197	2,292	2,378	2,378	2,378	1,915	-7.1%
Academic Research Infra.	1	250	100	100	100	100	100	100	100	81	-67.8%
Major Res. Equipment	1	126	70	55	26	0	0	0	0	0	-100.0%
Education and Hum. Res.	1,14	107	106	107	107	109	110	110	110	88	-17.6%
Total NSF R&D		2,544	2,320	2,381	2,430	2,501	2,588	2,588	2,588	2,084	-18.1%

(continued)		R&D**	R&D	R&D	R&D	R&D	R&D	R&D	R&D	R&D***	const. \$
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2002	diff.
Agency/Program	KEY	est.	est.	est.	est.	est.	est.	est.	est.	const. \$	95-2002
Agri Research Serv. R&D	1	709	640	640	640	640	640	640	640	515	-27.3%
ARS R&D facilities	13	44	29	27	24	22	20	20	20	16	-63.4%
Coop. State Res/ Extension R&D	1	419	345	345	345	345	345	345	345	278	-33.6%
Coop State Res/ Ext. R&D facil.	13	63	3	0	0	0	0	0	0	0	-100.0%
Economics Research Serv.	1	54	34	27	27	27	27	27	27	22	-59.7%
Natl Agric. Stats Service	1	4	3	3	3	3	3	3	3	2	-35.4%
Foreign Agricultural Serv	1	1	1	1	1	1	1	1	1	1	-29.1%
Forest Service	6	204	160	156	156	156	156	156	156	126	-38.4%
Other USDA R&D	3	44	44	44	44	44	44	44	44	35	-19.5%
Total USDA R&D		1,540	1,259	1,242	1,239	1,237	1,235	1,235	1,235	995	-35.4%
US Geological Survey	1	368	295	295	295	295	295	295	295	237	-35.6%
Nat'l Biological Service	1	167	99	96	94	92	90	90	90	72	-56.6%
Bureau of Mines	1	103	90	78	66	53	41	41	41	33	-67.7%
Nat'l Park Service	13	19	18	18	18	18	18	18	18	15	-23.5%
Other Interior R&D	3	30	30	30	30	30	30	30	30	24	-19.5%
Total Interior R&D		686	532	517	502	488	473	473	473	381	-44.4%
FHWA (Highway Admin)	7	277	130	130	130	130	130	130	130	105	-62.1%
Federal Transit Admin.	1	21	0	0	0	0	0	0	0	0	-100.0%
Maritime Admin.	1	3	0	0	0	0	0	0	0	0	-100.0%
Federal Railroad Admin.	8	28	8	8	8	8	8	8	8	6	-77.6%
Other Transportation R&D	3	360	360	360	360	360	360	360	360	290	-19.5%
Total DOT R&D		687	497	497	497	497	497	497	497	400	-41.7%
NOAA R&D Facils.	1	38	12	12	12	12	12	12	12	10	-75.1%
NOAA Operations, Res & Facils R&D	1	531	472	465	458	443	429	429	429	346	-34.8%
Other NOAA R&D	2	19	0	0	0	0	0	0	0	0	-100.0%
NIST Sci & Technical Res Service	4	214	225	231	239	245	253	260	268	216	1.0%
NIST ATP	2	409	0	0	0	0	0	0	0	0	-100.0%
NIST Construction	4	63	65	67	69	72	74	76	78	62	-0.9%
Other Commerce R&D	3	11	10	10	10	10	10	10	10	8	-19.5%
Total Commerce R&D		1,284	783	784	787	782	777	787	797	642	-50.0%

(continued)		R&D**	R&D	R&D	R&D	R&D	R&D	R&D	R&D	R&D***	const. \$
		FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2002	diff.
Agency/Program	KEY	est.	est.	est.	est.	est.	est.	est.	est.	const. \$	95-2002
Total EPA R&D	9	619	554	554	554	554	554	554	554	446	-27.9%
Total Education R&D	10	175	5	5	5	5	5	5	5	4	-97.8%
Total AID R&D	10	314	0	0	0	0	0	0	0	0	-100.0%
Total TVA R&D	5	89	0	0	0	0	0	0	0	0	-100.0%
Total Labor R&D	11	62	26	26	26	26	26	26	26	21	-66.0%
Total Other R&D	12	733	733	733	733	733	733	733	733	590	-19.5%
TOTAL NONDEFENSE R&D		34,164	29,911	29,261	28,901	28,621	28,467	28,476	28,487	22,939	-32.9%

Data from *House Budget Committee Policy Assumptions: Fiscal Year 1996 Budget Resolution* prepared by the House Budget Committee, and Conference Report for Concurrent Resolution on the Budget for Fiscal Year 1996, June 26, 1995.

** - Source: *AAAS Report XX: Research and Development FY 1996*

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

KEY OF ASSUMPTIONS:

- 1 = Based on specific program reduction in House resolution, assuming R&D as percent of appropriation remains constant
- 2 = Elimination of account in House resolution
- 3 = Not specifically mentioned in either House or conference resolution: assumes freeze at FY 1995 level
- 4 = Based on specific program INCREASE in House resolution, assuming R&D as percent of appropriation remains constant
- 5 = Planned privatization in House resolution; would no longer be federal R&D
- 6 = Reductions in Forest Resources and Management Research and Ecosystems Research in House resolution
- 7 = Assumes \$150 million reduction each year from elimination of Intelligent Vehicle Development R&D
- 8 = Elimination of \$20 million in R&D for High-Speed Rail in House resolution
- 9 = Elimination of \$85 million in R&D for ETI; all other R&D frozen at FY 1995 level
- 10 = Assumes elimination of all programs containing R&D based on House resolution; Howard University R&D added back.
- 11 = Elimination of ETA R&D in the House resolution; all other R&D frozen at FY 1995 level
- 12 = HUD, Justice, VA, NRC, Smithsonian, Corps of Engineers and USPS R&D frozen at FY 1995 levels
- 13 = Based on specific program reduction in concurrent resolution, assuming R&D as percent of appropriations remains constant
- 14 = Conference added \$2 billion over seven years to general science above House level; distributed over NASA and NSF R&D.

	1995	1996	1997	1998	1999	2000	2001 est.	2002 est.	1995-2002
Deflators	1.2984	1.3374	1.3775	1.4188	1.4614	1.5052	1.5579	1.6124	1.2418
from OMB, <i>Budget of the United States Government FY 1996</i> until FY 2000, 3.5 percent inflation thereafter									