

FEDERAL RESEARCH AND DEVELOPMENT SPENDING

(Budget authority, dollar amounts in millions)

	2001 Actual*	2005 Proposed	Dollar Change: 2001 to 2005	Percent Change: 2001 to 2005
Total R&D, by Agency				
Defense	42,235	69,856	27,621	65%
Health and Human Services	21,037	29,381	8,344	40%
NASA	9,675	11,308	1,633	17%
Energy	7,772	8,893	1,121	14%
National Science Foundation	3,363	4,252	889	26%
Agriculture	2,182	2,105	-77	-4%
Homeland Security	N/A	1,216	1,216	N/A
Commerce	1,054	1,075	21	2%
Veterans Affairs	748	772	24	3%
Transportation	792	749	-43	-5%
Interior	622	648	26	4%
Environmental Protection Agency	598	577	-21	-4%
Education	264	304	40	15%
Other	922	730	-192	-21%
TOTAL	91,264	131,866	40,602	44%
Basic Research				
Defense	1,271	1,341	70	6%
Health and Human Services	11,601	15,198	3,597	31%
NASA	1,652	2,324	672	41%
Energy	2,390	2,664	274	11%
National Science Foundation	2,894	3,642	748	26%
Agriculture	801	783	-18	-2%
Homeland Security	N/A	153	153	N/A
Commerce	50	83	33	66%
Veterans Affairs	301	308	7	2%
Transportation	17	40	23	135%
Interior	56	38	-18	-32%
Environmental Protection Agency	105	91	-14	-13%
Education	2	9	7	350%
Other	190	173	-17	-9%
SUBTOTAL	21,330	26,847	5,517	25.9%
Applied Research				
Defense	3,673	3,828	155	4%
Health and Human Services	9,064	13,522	4,458	49%
NASA	2,533	3,122	589	23%
Energy	2,330	3,395	1,065	46%
National Science Foundation	181	220	39	22%
Agriculture	1,045	888	-157	-15%
Homeland Security	N/A	278	278	N/A
Commerce	768	838	70	9%
Veterans Affairs	432	425	-7	-2%
Transportation	445	455	10	2%
Interior	534	560	26	5%
Environmental Protection Agency	370	346	-24	-6%
Education	172	240	68	40%
Other	413	377	-36	-9%
SUBTOTAL	21,960	28,494	6,534	29.8%

* 2001 numbers are as published in the 2003 Budget, prior to the creation of the Department of Homeland Security.

** NASA has modified how it accounts for costs since 2001; the numbers in this table are not fully comparable.

FEDERAL RESEARCH AND DEVELOPMENT SPENDING---Continued

(Budget authority, dollar amounts in millions)

	2001 Actual*	2005 Proposed	Dollar Change: 2001 to 2005	Percent Change: 2001 to 2005
Development				
Defense	37,270	64,622	27,352	73%
Health and Human Services	107	386	279	261%
NASA	2,698	3,247	549	20%
Energy	2,042	1,840	-202	-10%
National Science Foundation	0	0	0	N/A
Agriculture	152	142	-10	-7%
Homeland Security	N/A	750	750	N/A
Commerce	170	53	-117	-69%
Veterans Affairs	15	39	24	160%
Transportation	247	235	-12	-5%
Interior	32	47	15	47%
Environmental Protection Agency	101	140	39	39%
Education	90	55	-35	-39%
Other	306	173	-133	-43%
SUBTOTAL	43,230	71,729	28,499	66%
Facilities and Equipment				
Defense	21	65	44	210%
Health and Human Services	265	275	10	4%
NASA	2,792	2,615	-177	-6%
Energy	1,010	994	-16	-2%
National Science Foundation	288	390	102	35%
Agriculture	184	292	108	59%
Homeland Security	N/A	35	35	N/A
Commerce	66	101	35	53%
Veterans Affairs	0	0	0	N/A
Transportation	83	19	-64	-77%
Interior	0	3	3	N/A
Environmental Protection Agency	22	0	-22	-100%
Education	0	0	0	N/A
Other	13	7	-6	-46%
SUBTOTAL	4,744	4,796	52	1%

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