

SUMMARY TABLES/CHARTS

**National Science Foundation
By Strategic Goal and Account
FY 2005 Congressional Request**

NSF Accounts	FY 2003 Actual	FY 2004 Estimate	FY 2005 Request				FY 2005 Request	Change over FY 2004 Estimate	
			People	Ideas	Tools	OrgExc		\$	%
FY 2003 Actual	\$5,369.34		\$1,117.00	\$2,689.00	\$1,312.70	\$250.63			
FY 2004 Estimate		\$5,577.83	\$1,133.77	\$2,788.99	\$1,367.89	\$287.18			
BIO	570.49	586.89	59.68	428.82	106.71	4.72	599.93	13.04	2.2%
CISE	589.29	604.65	63.51	396.24	150.34	7.96	618.05	13.40	2.2%
ENG (<i>less SBIR/STTR</i>)	450.78	461.54	87.96	341.44	34.66	7.75	471.81	10.27	2.2%
<i>SBIR/STTR</i>	90.92	103.59	0.00	104.09	0.00	0.00	104.09	0.50	0.5%
GEO	691.84	713.10	33.39	409.99	279.69	5.43	728.50	15.40	2.2%
MPS	1,040.70	1,091.51	131.49	703.16	274.71	6.14	1,115.50	23.99	2.2%
SBE	158.63	175.67	10.44	133.27	43.44	3.52	190.67	15.00	8.5%
<i>OISE</i>	39.97	28.12	7.00	24.69	0.00	2.35	34.04	5.92	21.1%
OPP	323.96	342.15	5.56	86.27	254.15	3.75	349.73	7.58	2.2%
IA	97.86	144.14	90.00	55.99	94.00	0.00	239.99	95.85	66.5%
Research & Related Activities	\$4,054.43	\$4,251.36	\$489.03	\$2,683.96	\$1,237.70	\$41.62	\$4,452.31	\$200.95	4.7%
Education & Human Resources	\$934.88	\$938.98	\$575.79	\$161.09	\$21.11	\$13.37	\$771.36	-\$167.62	-17.9%
Major Research Equipment & Facilities Construction	\$179.03	\$154.97	\$0.00	\$0.00	\$213.27	\$0.00	\$213.27	\$58.30	37.6%
Salaries & Expenses	\$189.42	\$218.70	\$0.00	\$0.00	\$0.00	\$294.00	\$294.00	\$75.30	34.4%
National Science Board	\$2.88	\$3.88	\$0.00	\$0.00	\$0.00	\$3.95	\$3.95	\$0.07	1.8%
Office of Inspector General	\$8.70	\$9.94	\$0.00	\$0.00	\$0.00	\$10.11	\$10.11	\$0.17	1.7%
Total, National Science Foundation	\$5,369.34	\$5,577.83	\$1,064.82	\$2,845.05	\$1,472.08	\$363.05	\$5,745.00	\$167.17	3.0%
<i>H-1B Visa</i>	<i>\$65.68</i>	<i>\$0.00</i>					<i>\$0.00</i>		
Total NSF, Including H-1B Visa	\$5,435.02	\$5,577.83	\$1,064.82	\$2,845.05	\$1,472.08	\$363.05	\$5,745.00	\$167.17	3.0%
Percent Increase over Prior Year, excluding H-1B Visa			-6.1%	2.0%	7.6%	26.4%			

Totals may not add due to rounding.

National Science Foundation
By Strategic Outcome Goal and Investment Category
FY 2005 Congressional Request

Strategic Outcome Goals and Investment Category	FY 2003 Actual	FY 2004 Estimate	FY 2005 Request	Change over FY 2004 Estimate	
				Amount	Percent
Individuals	471.53	477.39	498.85	21.46	4.5%
Institutions	182.54	180.15	172.35	-7.80	-4.3%
Collaborations	462.93	476.23	393.62	-82.61	-17.3%
PEOPLE	1,117.00	1,133.77	1,064.82	-68.95	-6.1%
Fundamental Science & Engineering	2,095.56	2,124.25	2,150.44	26.19	1.2%
Centers Programs	364.23	413.02	457.26	44.24	10.7%
Capability Enhancement	229.21	251.72	237.35	-14.37	-5.7%
IDEAS	2,689.00	2,788.99	2,845.05	56.06	2.0%
Facilities	538.17	580.21	685.57	105.36	18.2%
Infrastructure & Instrumentation	336.66	341.52	344.93	3.41	1.0%
Polar Tools, Facilities & Logistics	252.96	250.24	254.15	3.91	1.6%
Federally-Funded R&D Centers	184.92	195.92	187.43	-8.49	-4.3%
TOOLS	1,312.70	1,367.89	1,472.08	104.19	7.6%
ORGANIZATIONAL EXCELLENCE	250.63	287.18	363.05	75.87	26.4%
TOTAL, NSF	\$5,369.34	\$5,577.83	\$5,745.00	\$167.17	3.00%

Strategic Outcome Goals as a Percent of NSF Budget

Strategic Outcome Goals and Investment Category	FY 2003 Actual	FY 2004 Estimate	FY 2005 Request	% Change over FY 2004 Estimate
People	20.8%	20.3%	18.5%	-1.8%
Ideas	50.1%	50.0%	49.5%	-0.5%
Tools	24.4%	24.5%	25.6%	1.1%
Organizational Excellence	4.7%	5.1%	6.3%	1.2%
Total, NSF	100%	100%	100%	0.0%

NSF Tools FY 2005 Congressional Request

	FY 2003	FY 2004	FY 2005	Change	
	Actual	Estimate	Request	Amount	Percent
Facilities^{1,2,3}	\$538.166	\$580.21	\$685.57	\$105.36	18.2%
Academic Research Fleet	\$65.200	76.50	83.20	6.70	8.8%
Advanced Modular Incoherent Scatter Radar	\$14.000	11.00	12.30	1.30	11.8%
Cornell Electron Storage Ring	\$19.490	18.00	19.70	1.70	9.4%
Gemini	\$13.480	14.12	14.93	0.81	5.7%
Incorporated Research Institutions for Seismology	\$13.200	13.00	13.00	0.00	0.0%
Laser Interferometer Gravitational Wave Observatory	\$33.000	33.00	33.00	0.00	0.0%
Major Research Equipment & Facilities Construction ¹	\$184.816	189.88	278.22	88.34	46.5%
Nanofabrication (NNUN/NNIN)	\$6.050	12.45	13.86	1.41	11.3%
National High Magnetic Field Laboratory ²	\$25.100	24.61	25.61	1.00	4.1%
National Superconducting Cyclotron Laboratory	\$15.650	15.65	16.65	1.00	6.4%
Ocean Drilling Program/Integrated Ocean Drilling Pgm	\$30.000	37.50	35.60	-1.90	-5.1%
Partnerships for Advanced Computational Infrastructure	\$73.240	87.00	90.00	3.00	3.4%
Other Facilities ³	\$44.940	47.50	49.50	2.00	4.2%
Infrastructure & Instrumentation	\$336.659	341.52	344.93	3.41	1.0%
Advanced Networking Infrastructure	\$46.620	23.06	22.90	-0.16	-0.7%
Major Research Instrumentation	\$83.449	109.35	90.00	-19.35	-17.7%
National STEM Digital Library	\$27.630	24.40	27.02	2.62	10.7%
Research Resources	\$153.660	160.79	181.09	20.30	12.6%
Science Resource Statistics	\$25.300	23.92	23.92	0.00	0.0%
Polar Tools, Facilities and Logistics⁴	\$252.956	250.24	254.15	3.91	1.6%
Antarctic Facilities and Operations	\$141.430	149.48	153.96	4.48	3.0%
Antarctic Logistics	\$68.550	68.07	68.07	0.00	0.0%
Arctic Logistics	\$30.290	31.40	32.12	0.72	2.3%
South Pole Station ¹	\$12.686	1.29	0.00	-1.29	-100.0%
Federally-Funded R&D Centers	\$184.920	195.92	187.43	-8.49	-4.3%
National Astronomy & Ionosphere Center	\$12.730	12.34	12.50	0.16	1.3%
National Center for Atmospheric Research	\$80.270	83.27	84.52	1.25	1.5%
National Optical Astronomy Observatories	\$42.620	41.35	39.00	-2.35	-5.7%
National Radio Astronomy Observatories	\$45.330	54.98	47.41	-7.57	-13.8%
Science and Technology Policy Institute	\$3.970	3.98	4.00	0.02	0.5%
Total, Tools Support	\$1,312.701	\$1,367.89	\$1,472.08	\$104.19	7.6%

Totals may not add due to rounding.

¹All MREFC projects are included in Facilities, except South Pole Station. Funding levels for MREFC projects in this table include initial support for operations and maintenance funded through R&RA (and EHR) as well as construction, acquisition and commissioning costs funded through MREFC.

²Support for the National High Field Mass Spectrometry Facility will be integrated into the National High Magnetic Field Laboratory in FY 2004, and has been included in the FY 2003 Actual..

³Other Facilities includes support for the Network for Computational Nanotechnology, and other physics, materials research, ocean sciences, atmospheric sciences, and earth sciences facilities.

⁴Polar Tools, Facilities and Logistics includes South Pole Station, an MREFC project, with funding as described above.

**National Science Foundation
Selected Cross-Cutting Programs
FY 2005 Congressional Request**

Selected Cross-Cutting Programs		FY 2003 Actual	FY 2004 Estimate	FY 2005 Request	Change over FY 2004 Estimate	
					Amount	Percent
ADVANCE/Professional Opportunities for Women in Research and Education - POWRE	Research & Related Activities	16.73	19.16	20.27	1.11	5.8%
	Education & Human Resources	0.45	0.00	0.00	0.00	N/A
	Total, NSF	\$17.18	\$19.16	\$20.27	\$1.11	5.8%
Course, Curriculum & Lab Improvement - CCLI	Research & Related Activities	6.10	4.58	4.44	-0.14	-3.1%
	Education & Human Resources	48.10	40.41	46.53	6.12	15.1%
	Total, NSF	\$54.20	\$44.99	\$50.97	\$5.98	13.3%
Interagency Education Research Initiative - IERI	Research & Related Activities	9.95	9.63	9.63	0.00	0.0%
	Education & Human Resources	14.90	14.91	14.91	0.00	0.0%
	Total, NSF	\$24.85	\$24.54	\$24.54	\$0.00	0.0%
Faculty Early Career Development - CAREER	Research & Related Activities	133.87	130.68	130.68	0.00	0.0%
	Education & Human Resources	0.00	0.00	0.00	0.00	N/A
	Total, NSF	\$133.87	\$130.68	\$130.68	\$0.00	0.0%
Graduate Research Fellowships - GRF	Research & Related Activities	5.26	8.06	8.56	0.50	6.2%
	Education & Human Resources	79.76	89.21	94.74	5.53	6.2%
	Total, NSF	\$85.02	\$97.27	\$103.30	\$6.03	6.2%
Graduate Teaching Fellowships in K-12 Education - GK-12	Research & Related Activities	6.06	7.64	8.24	0.60	7.9%
	Education & Human Resources	36.34	42.21	47.46	5.25	12.4%
	Total, NSF	\$42.40	\$49.85	\$55.70	\$5.85	11.7%
Integrative Graduate Education and Research Training - IGERT	Research & Related Activities	34.46	42.47	50.06	7.59	17.9%
	Education & Human Resources	23.39	24.53	31.68	7.15	29.1%
	Total, NSF	\$57.85	\$67.00	\$81.74	\$14.74	22.0%
Long-Term Research Sites - LTER	Research & Related Activities	18.06	20.52	22.82	2.30	11.2%
	Education & Human Resources	0.00	0.00	0.00	0.00	N/A
	Total, NSF	\$18.06	\$20.52	\$22.82	\$2.30	11.2%
Model Institutions for Excellence-MIE	Research & Related Activities	7.26	7.27	7.27	0.00	0.0%
	Education & Human Resources	2.49	2.51	2.51	0.00	0.0%
	Total, NSF	\$9.75	\$9.78	\$9.78	\$0.00	0.0%
Postdoctoral Programs	Research & Related Activities	17.84	17.46	18.31	0.85	4.9%
	Education & Human Resources	0.00	0.00	0.00	0.00	N/A
	Total, NSF	\$17.84	\$17.46	\$18.31	\$0.85	4.9%
Research Experience for Undergraduates - REU	Research & Related Activities	54.08	51.79	52.06	0.27	0.5%
	Education & Human Resources	0.00	0.99	0.99	0.00	N/A
	Total, NSF	\$54.08	\$52.78	\$53.05	\$0.27	0.5%
Research Opportunity Awards - ROA	Research & Related Activities	0.83	1.29	1.29	0.00	0.0%
	Education & Human Resources	0.00	0.00	0.00	0.00	N/A
	Total, NSF	\$0.83	\$1.29	\$1.29	\$0.00	0.0%
Research in Undergraduate Institutions - RUI	Research & Related Activities	33.43	31.19	31.09	-0.10	-0.3%
	Education & Human Resources	0.00	0.00	0.00	0.00	N/A
	Total, NSF	\$33.43	\$31.19	\$31.09	-\$0.10	-0.3%
Science and Technology Centers - STCs	Research & Related Activities	44.07	42.52	72.39	29.87	70.2%
	Education & Human Resources	0.00	0.00	0.00	0.00	N/A
	Total, NSF	44.07	42.52	72.39	\$29.87	70.2%

*Totals may not add due to rounding.



NSF Funding Profile

Approximately half of the awards that are supported in a particular fiscal year are competitively reviewed in that year through NSF's merit review process. The other awards are continuations of projects that were competitively reviewed in a prior year. As shown in the Number of Competitive Awards, the Funding Rate is the number of competitive awards made during a year as a percentage of total proposals competitively reviewed. It indicates the probability of receiving an award when submitting proposals to NSF.

Research Grants are those limited to research projects and excludes other categories of awards that fund infrastructure-type activities such as equipment and conference awards, which do not require multi-year support.

The Annualized Award Size displays the annual level of research grants provided to awardees by dividing the total dollars of each award by the number of years over which it extends. Both the average and the median annualized award size for competitively reviewed awards are shown.

Average Duration is the average length of the award in years for research grants.

The Quantitative Data Tables, provided under a separate tab, are based on all proposals and awards, including competitive awards, contracts, cooperative agreements, supplements and amendments to existing grants and contracts.

NSF FUNDING PROFILE			
	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate
Statistics for Competitive Awards			
Number	10,650	10,560	10,480
Funding Rate	28%	27%	27%
Statistics for Research Grants			
Number of Research Grants	6,140	6,217	6,145
Funding Rate	24%	24%	23%
Median Annualized Award Size	\$100,000	\$102,570	\$104,150
Average Annualized Award Size	\$135,000	\$139,000	\$142,000
Average Duration (yrs.)	2.9	3.0	3.0

NSF NSTC CROSSCUTS
FY 2005 Budget Request to Congress

	U.S. Global Change Research Programs Includes U.S. Global Change Research Program Climate Change Research Initiative			Networking and Information Technology Research & Development			National Nanotechnology Initiative		
	FY 2003 Actual	FY 2004 Estimate	FY 2005 Request	FY 2003 Actual	FY 2004 Estimate	FY 2005 Request	FY 2003 Actual	FY 2004 Estimate	FY 2005 Request
BIO	15.10	15.10	15.10	31.60	50.00	57.00	2.98	5.31	5.85
CISE				566.78	588.86	594.28	11.14	15.79	19.40
ENG	1.00	1.00	1.00	11.17	11.17	12.73	94.35	108.88	133.81
GEO	147.43	157.49	157.49	13.21	14.56	15.56	7.53	7.94	7.94
MPS	5.45	5.45	5.45	59.23	55.45	56.20	103.92	111.48	132.14
SBE	20.45	20.35	20.48	12.70	12.70	13.34	1.11	1.56	1.50
OISE									0.26
OPP	13.78	13.78	10.50	1.33	1.33	1.50	0.00	0.00	0.00
IA									
R&RA	203.21	213.17	210.02	696.02	734.07	750.61	221.03	250.96	300.90
EHR				2.48	9.53	10.01	0.22	2.55	4.16
MREFC				44.83	9.94	0.00			
NSF TOTAL	\$203.21	\$213.17	\$210.02	\$743.33	\$753.54	\$760.62	\$221.25	\$253.51	\$305.06

Note: The Climate Change Science Programs incorporate the U.S. Global Change Research Program and the Climate Change Research Initiative per Section 84-Character Classification (Schedule C) in OMB Circular No. A-11 (2003)

**NSF People Programs by Level of Education
FY 2005 Congressional Request**

(Dollars in Millions)

New Structure	Old Structure - FY 2003 Actual				Old Structure - FY 2004 Estimate				Old Structure - FY 2005 Request			
	K-12 Support	Undergrad Support	Grad & Prof Support	Other People Support	K-12 Support	Undergrad Support	Grad & Prof Support	Other People Support	K-12 Support	Undergrad Support	Grad & Prof Support	Other People Support
Individuals Support	\$77.57	\$72.70	\$319.46	\$4.94	\$73.40	\$55.06	\$348.92	\$4.00	\$73.40	\$51.88	\$373.84	\$4.60
CAREER			133.87				130.68				130.68	
Distinguished Teaching Scholars		1.88				1.80			2.00			
GRF			85.02				97.27				103.30	
IGERT			57.85				67.00				81.74	
Noyce Scholarships		6.93				7.95			4.00			
Postdocs			17.84				17.46				18.31	
PAEMST	4.15				4.30				4.30			
REU Supplements		23.59				21.20				21.47		
Scholarships for Service/Cybercorps		30.14				16.08				16.18		
Teacher Prof Continuum (STEM TP & TE)	66.65				62.16				62.16			
VIGRE			19.00				25.78				27.78	
Other Individuals Support	6.77	10.16	5.88	4.94	6.94	8.03	10.73	4.00	6.94	8.23	12.03	4.60
Institutions Support	\$29.86	\$133.90	\$21.13	\$0.00	\$28.82	\$130.56	\$22.83	\$0.20	\$29.45	\$117.60	\$27.93	\$0.30
ADVANCE/POWRE			17.18				19.16				20.27	
ATE		42.33				45.23				38.16		
Course, Curriculum & Lab Improvement		54.20				44.99				50.97		
Engineering Education Reform		16.08				15.49				13.47		
Instructional Materials Assessment	27.36				28.82				29.45			
STEM Talent Expansion (Tech Talent)		21.29				24.85				15.00		
Other Institutions Support	2.50		3.95				3.67	0.20			7.66	0.30
Collaborations Support	\$213.44	\$104.73	\$55.13	\$96.24	\$198.81	\$117.94	\$67.02	\$101.58	\$111.67	\$124.10	\$72.41	\$91.01
Centers for Learning & Teaching	26.58				28.84				28.84			
Evaluation			12.50					11.57				11.57
GK-12			42.40				49.85				55.70	
HBCU-UP		18.71				23.86				19.98		
Informal Science Education				60.23				62.13				50.00
Louis Stokes AMP		31.81				34.30				34.30		
Math & Science Partnership	144.07				139.17				80.00			
MGE-AGEP			11.48				14.91				14.91	
MIE		9.75				9.78				9.78		
PFI				4.97				9.94				10.00
PAESMEM				0.57				0.29				0.29
PGE				10.50				9.90				9.90
PPD/RiDE				4.97				5.25				5.25
REU Sites		30.49				31.58				31.58		
RSI	12.58				6.04				0.00			
SSI	0.00				0.00				0.00			
Tribal Colleges		9.85				9.92				9.92		
USP	27.73				21.97				0.00			
Other Collaborations Support	2.48	4.12	1.25	2.50	2.79	8.50	2.26	2.50	2.83	18.54	1.80	4.00
Subtotals, People	\$320.87	\$311.33	\$395.72	\$101.18	\$301.03	\$303.56	\$438.77	\$105.78	\$214.52	\$293.58	\$474.18	\$95.91
Total EHR A&M Offset	-4.88	-3.39	-2.41	-1.41	-5.87	-4.22	-3.47	-1.81	-2.79	-4.55	-4.28	-1.75
SUBTOTALS, PEOPLE	\$315.98	\$307.94	\$393.31	\$99.77	\$295.16	\$299.34	\$435.30	\$103.97	\$211.73	\$289.03	\$469.90	\$94.16
TOTALS, PEOPLE				\$1,117.00				\$1,133.77				\$1,064.82

NSF By Account
(Actual Dollars in Millions - Current Dollars)

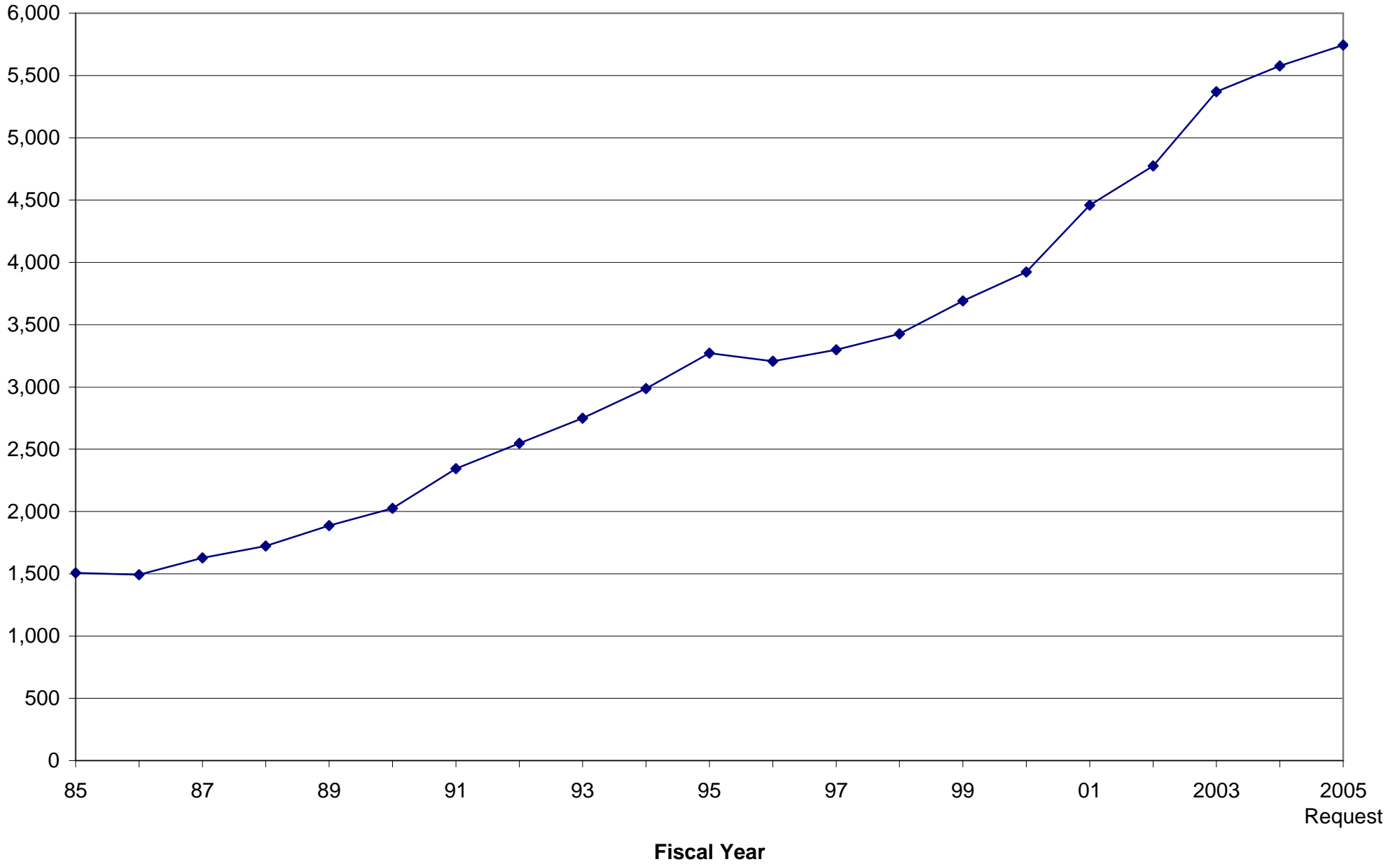
Fiscal Year	Major Research							NSF
	Research & Related Activities	Education & Human Resources	Academic Research Infrastructure	Equipment & Facilities Construction	Salaries & Expenses	Office of Inspector General	National Science Board	
51	0.0	0.0	0.0			0.1	0.0	0.2
52	1.4	1.5	0.0			0.5	0.0	3.5
53	2.1	1.4	0.0			0.9	0.0	4.4
54	4.5	1.9	0.0			1.5	0.0	8.0
55	8.9	2.1	0.0			1.5	0.0	12.5
56	10.8	3.5	0.0			1.7	0.0	16.0
57	22.0	14.3	0.0			2.4	0.0	38.6
58	27.4	19.2	0.0			2.9	0.0	49.5
59	66.3	61.3	0.0			5.3	0.0	132.9
60	88.4	63.7	0.0			6.5	0.0	158.6
61	104.0	63.4	0.0			7.6	0.0	175.0
62	173.3	78.6	0.0			9.0	0.0	260.8
63	218.9	91.0	0.0			10.9	0.0	320.8
64	239.9	102.6	0.0			12.1	0.0	354.6
65	282.4	120.4	0.0			13.1	0.0	416.0
66	328.6	124.3	0.0			13.1	0.0	466.0
67	327.7	123.4	0.0			14.0	0.0	465.1
68	350.2	134.7	0.0			15.4	0.0	500.3
69	292.9	123.1	0.0			16.5	0.0	432.5
70	316.4	126.4	0.0			19.7	0.0	462.5
71	369.4	105.0	0.0			21.8	0.0	496.1
72	482.4	93.7	0.0			24.6	0.0	600.7
73	519.4	62.2	0.0			28.6	0.0	610.3
74	533.3	80.7	0.0			31.7	0.0	645.7
75	581.2	74.0	0.0			37.9	0.0	693.1
76	619.7	62.5	0.0			42.2	0.0	724.4
77	672.0	74.3	0.0			45.5	0.0	791.8
78	734.7	73.9	0.0			48.7	0.0	857.3
79	791.8	80.4	0.0			54.8	0.0	926.9
80	836.8	80.1	0.0			58.2	0.0	975.1
81	900.4	75.7	0.0			59.2	0.0	1,035.3
82	909.8	26.2	0.0			63.2	0.0	999.1
83	1,013.0	23.0	0.0			65.7	0.0	1,101.7
84	1,177.7	63.0	0.0			66.3	0.0	1,306.9
85	1,344.6	90.6	0.0			72.0	0.0	1,507.1
86	1,329.6	91.7	0.0			71.8	0.0	1,493.2
87	1,440.0	109.9	0.0			77.8	0.0	1,627.6
88	1,481.3	156.8	0.0			84.5	0.0	1,722.6
89	1,600.5	194.1	0.0			91.3	0.0	1,885.9
90	1,696.6	230.4	0.4			96.4	2.3	2,026.1
91	1,868.5	331.9	39.0			101.2	2.9	2,343.5
92	1,940.5	459.4	33.4			110.0	3.9	2,547.1
93	2,046.3	505.1	49.8		34.1	110.8	3.7	2,749.7
94	2,168.4	569.0	105.4		17.0	123.5	3.9	2,987.2
95	2,281.5	611.9	117.5		126.0	129.0	4.5	3,270.3
96	2,327.8	601.2	70.9		70.0	132.5	4.0	3,206.3
97	2,433.9	619.1	30.0		76.1	134.3	5.3	3,298.8
98	2,572.6	633.2	0.0		78.2	136.9	4.8	3,425.7
99	2,821.6	662.5	0.0		56.7	144.1	5.4	3,690.3
00	2,979.9	683.6	0.0		105.0	149.3	5.6	3,923.4
01	3,372.3	795.4	0.0		119.2	166.3	6.6	4,459.9
02	3,616.0	866.1	0.0		115.4	169.9	6.7	4,774.1
2003	4,054.4	934.9	0.0		179.0	189.4	8.7	5,369.3
2004 Estimate	4,251.4	939.0	0.0		155.0	218.7	9.9	5,577.8
2005 Request	4,452.3	771.4	0.0		213.3	294.0	10.1	5,745.0

NSF By Account
(FY Actuals - FY 2003 Constant Dollars in Millions)

Fiscal Year	Major Research							NSF
	Research & Related Activities	Education & Human Resources	Academic Research Infrastructure	Equipment & Facilities Construction	Salaries & Expenses	Office of Inspector General	National Science Board	
51	0.2	0.0	0.0	0.0	0.8	0.0	0.0	0.9
52	8.3	9.1	0.0	0.0	3.1	0.0	0.0	20.5
53	12.4	8.2	0.0	0.0	5.1	0.0	0.0	25.7
54	25.9	10.8	0.0	0.0	8.9	0.0	0.0	45.6
55	50.4	11.8	0.0	0.0	8.8	0.0	0.0	71.0
56	59.8	19.5	0.0	0.0	9.3	0.0	0.0	88.6
57	117.3	76.3	0.0	0.0	12.5	0.0	0.0	206.2
58	141.8	99.5	0.0	0.0	15.2	0.0	0.0	256.5
59	338.4	312.7	0.0	0.0	26.8	0.0	0.0	677.9
60	445.3	321.3	0.0	0.0	32.8	0.0	0.0	799.4
61	516.7	315.3	0.0	0.0	37.6	0.0	0.0	869.6
62	851.4	386.2	0.0	0.0	44.1	0.0	0.0	1,281.7
63	1,062.4	441.6	0.0	0.0	52.7	0.0	0.0	1,556.7
64	1,150.8	492.0	0.0	0.0	57.8	0.0	0.0	1,700.6
65	1,331.7	567.7	0.0	0.0	61.9	0.0	0.0	1,961.2
66	1,517.0	573.8	0.0	0.0	60.4	0.0	0.0	2,151.3
67	1,465.4	551.7	0.0	0.0	62.8	0.0	0.0	2,079.9
68	1,512.4	581.8	0.0	0.0	66.4	0.0	0.0	2,160.6
69	1,209.7	508.4	0.0	0.0	68.1	0.0	0.0	1,786.2
70	1,239.1	495.0	0.0	0.0	77.1	0.0	0.0	1,811.1
71	1,377.6	391.6	0.0	0.0	81.2	0.0	0.0	1,850.5
72	1,718.2	333.8	0.0	0.0	87.5	0.0	0.0	2,139.5
73	1,771.8	212.3	0.0	0.0	97.6	0.0	0.0	2,081.7
74	1,696.7	256.8	0.0	0.0	100.7	0.0	0.0	2,054.2
75	1,675.0	213.3	0.0	0.0	109.1	0.0	0.0	1,997.5
76	1,665.7	167.9	0.0	0.0	113.5	0.0	0.0	1,947.2
77	1,680.3	185.7	0.0	0.0	113.9	0.0	0.0	1,979.9
78	1,721.3	173.1	0.0	0.0	114.1	0.0	0.0	2,008.4
79	1,716.7	174.3	0.0	0.0	118.7	0.0	0.0	2,009.7
80	1,668.1	159.6	0.0	0.0	116.1	0.0	0.0	1,943.8
81	1,634.7	137.4	0.0	0.0	107.5	0.0	0.0	1,879.6
82	1,546.0	44.5	0.0	0.0	107.4	0.0	0.0	1,697.8
83	1,648.6	37.4	0.0	0.0	106.9	0.0	0.0	1,793.0
84	1,848.4	98.8	0.0	0.0	104.0	0.0	0.0	2,051.3
85	2,044.0	137.7	0.0	0.0	109.4	0.0	0.0	2,291.0
86	1,975.3	136.2	0.0	0.0	106.7	0.0	0.0	2,218.3
87	2,084.8	159.1	0.0	0.0	112.6	0.0	0.0	2,356.5
88	2,079.3	220.1	0.0	0.0	118.6	0.0	0.0	2,417.9
89	2,162.6	262.2	0.0	0.0	123.3	0.0	0.0	2,548.1
90	2,210.2	300.2	0.5	0.0	125.5	3.0	0.0	2,639.5
91	2,346.1	416.8	49.0	0.0	127.1	3.6	0.0	2,942.6
92	2,376.8	562.7	40.9	0.0	134.7	4.7	0.0	3,119.8
93	2,450.8	604.9	59.6	40.8	132.7	4.4	0.0	3,293.3
94	2,542.3	667.2	123.6	20.0	144.8	4.6	0.0	3,502.4
95	2,619.8	702.6	134.9	144.7	148.1	5.1	0.0	3,755.2
96	2,622.6	677.3	79.9	78.9	149.3	4.5	0.0	3,612.4
97	2,695.2	685.6	33.2	84.3	148.7	5.9	0.0	3,652.9
98	2,814.6	692.7	0.0	85.6	149.8	5.2	0.0	3,747.9
99	3,047.0	715.4	0.0	61.2	155.6	5.8	0.0	3,985.1
00	3,154.2	723.6	0.0	111.1	158.0	5.9	0.0	4,152.9
01	3,488.0	822.7	0.0	123.3	172.0	6.8	0.0	4,612.8
02	3,675.0	880.2	0.0	117.2	172.7	6.8	0.0	4,852.0
2003	4,054.4	934.9	0.0	179.0	189.4	8.7	2.9	5,369.3
2004 Estimate	4,196.3	926.8	0.0	153.0	215.9	9.8	3.8	5,505.5
2005 Request	4,340.4	752.0	0.0	207.9	286.6	9.9	3.9	5,600.6

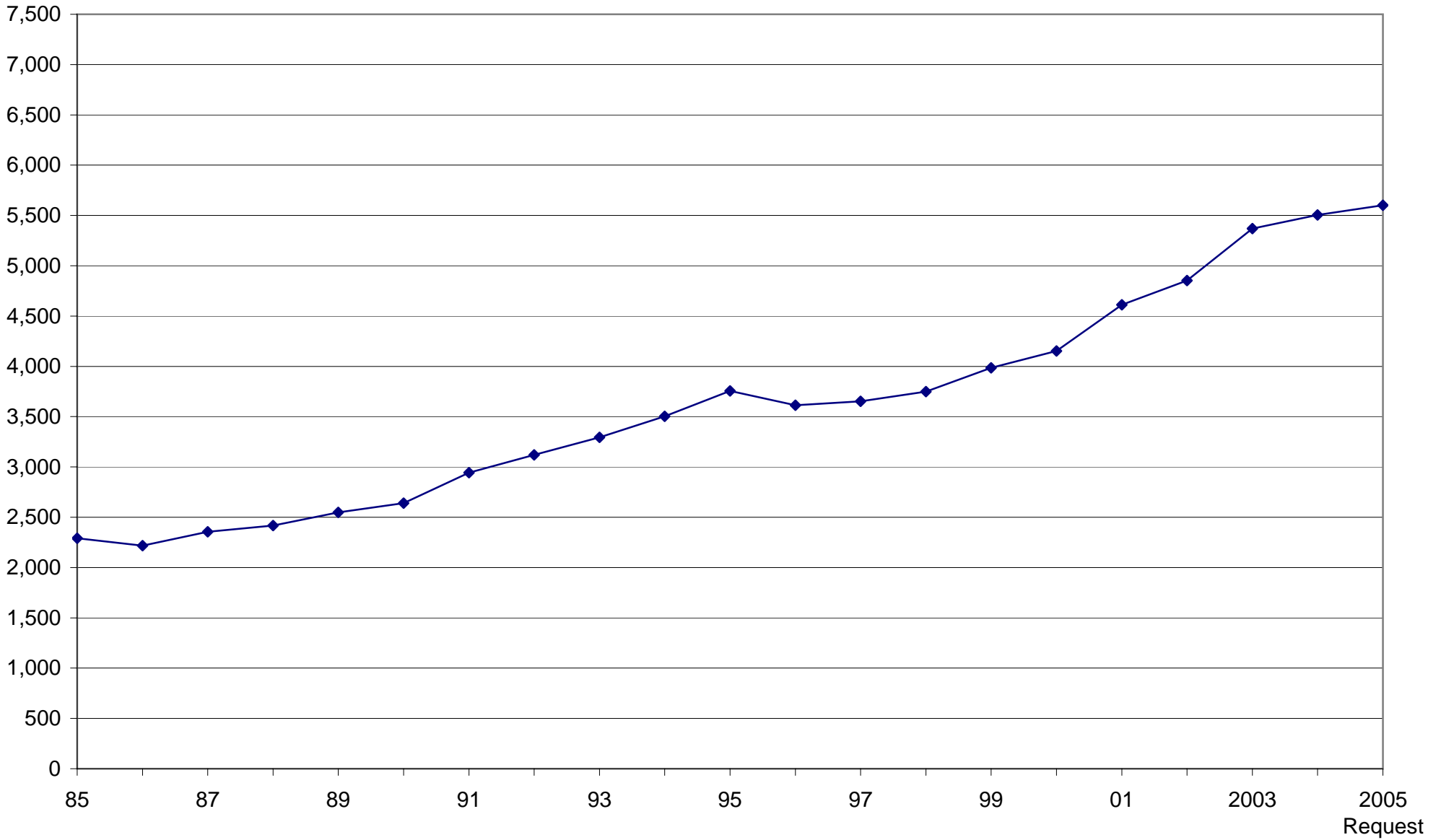
NSF Twenty Year Budget History

In Millions of Current Dollars



NSF Twenty Year Budget History

In Millions of Constant FY 2003 Dollars

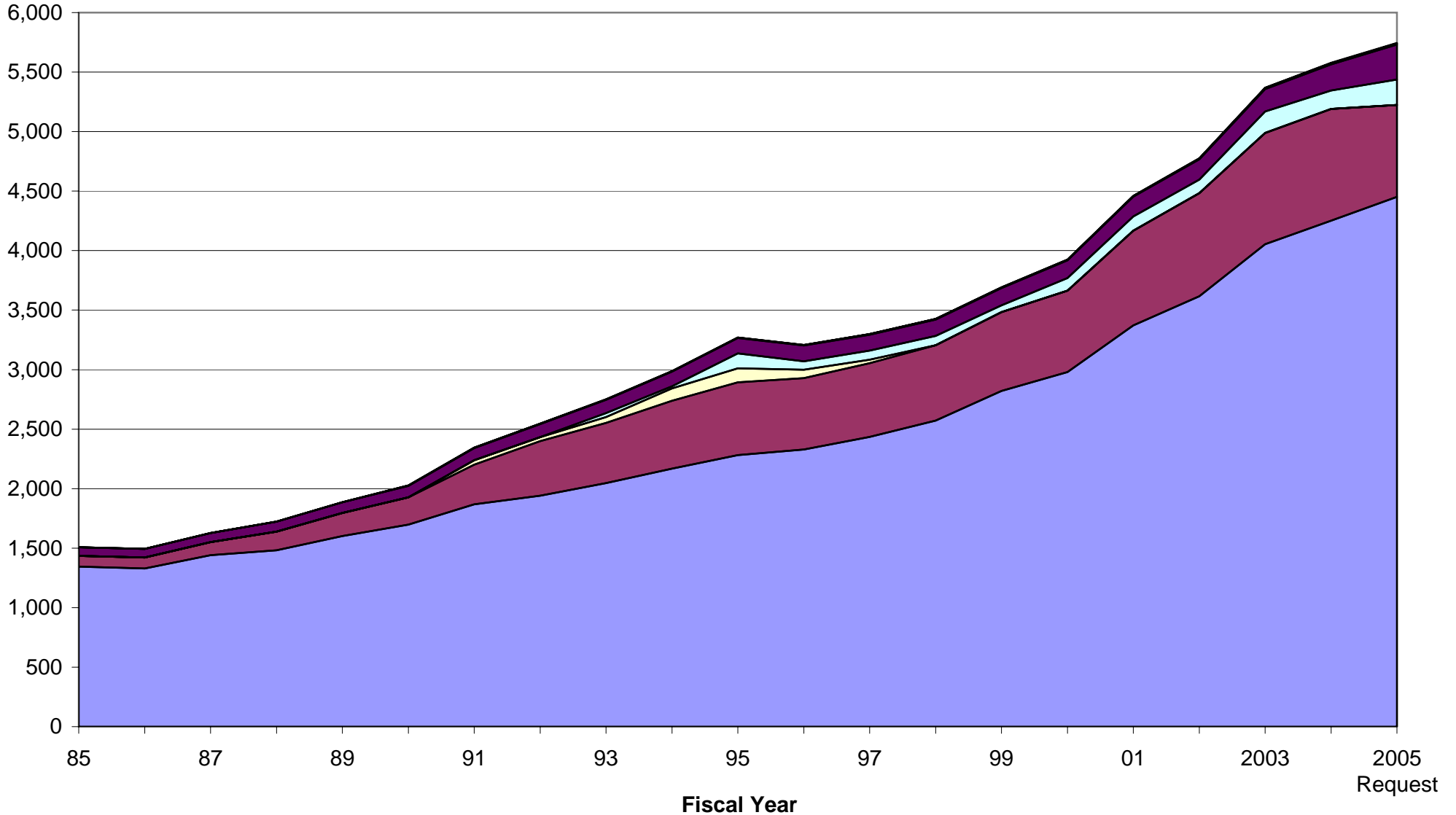


Fiscal Year

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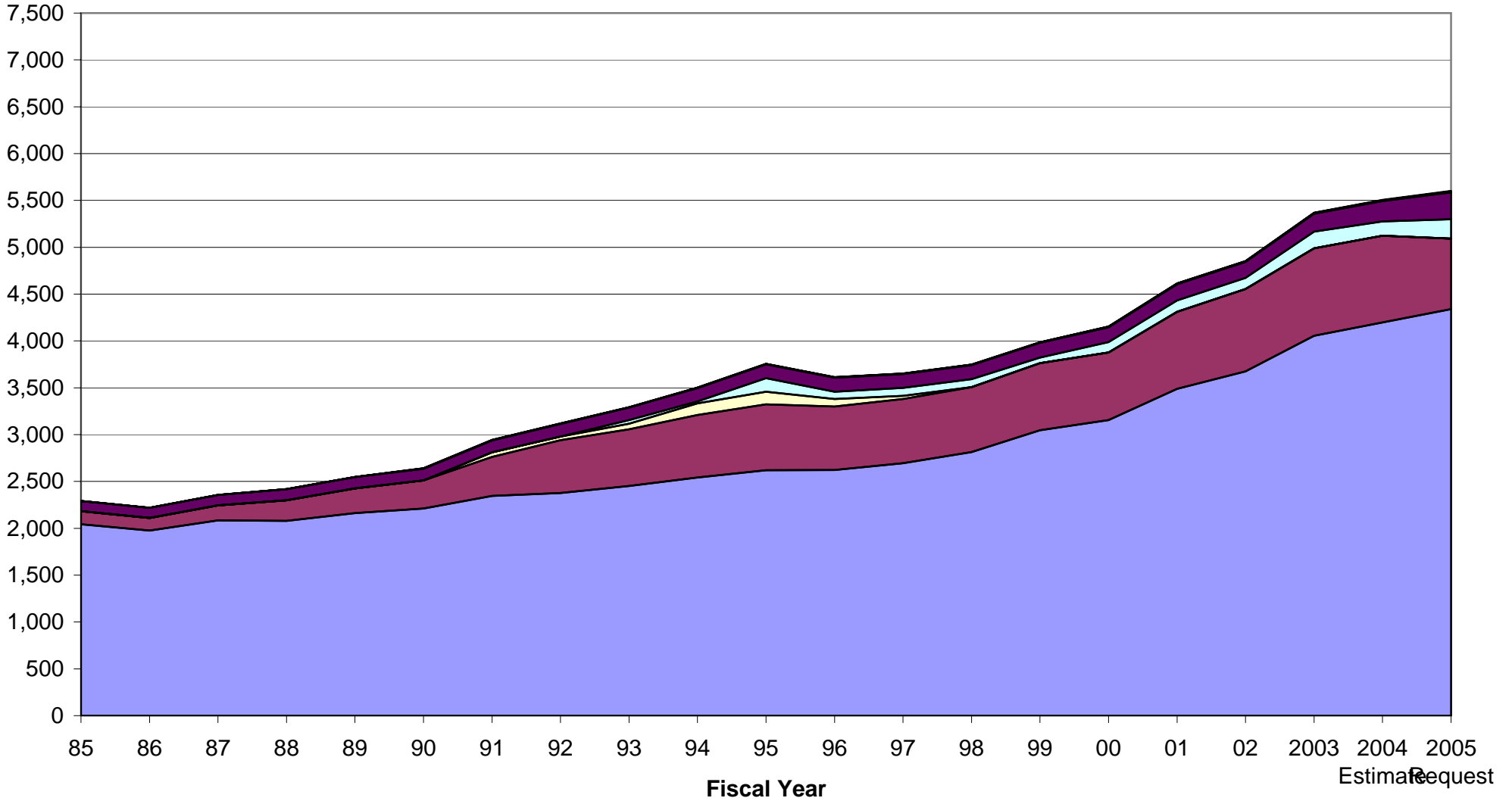
NSF Twenty Year Budget by Account

In Millions of Current Dollars



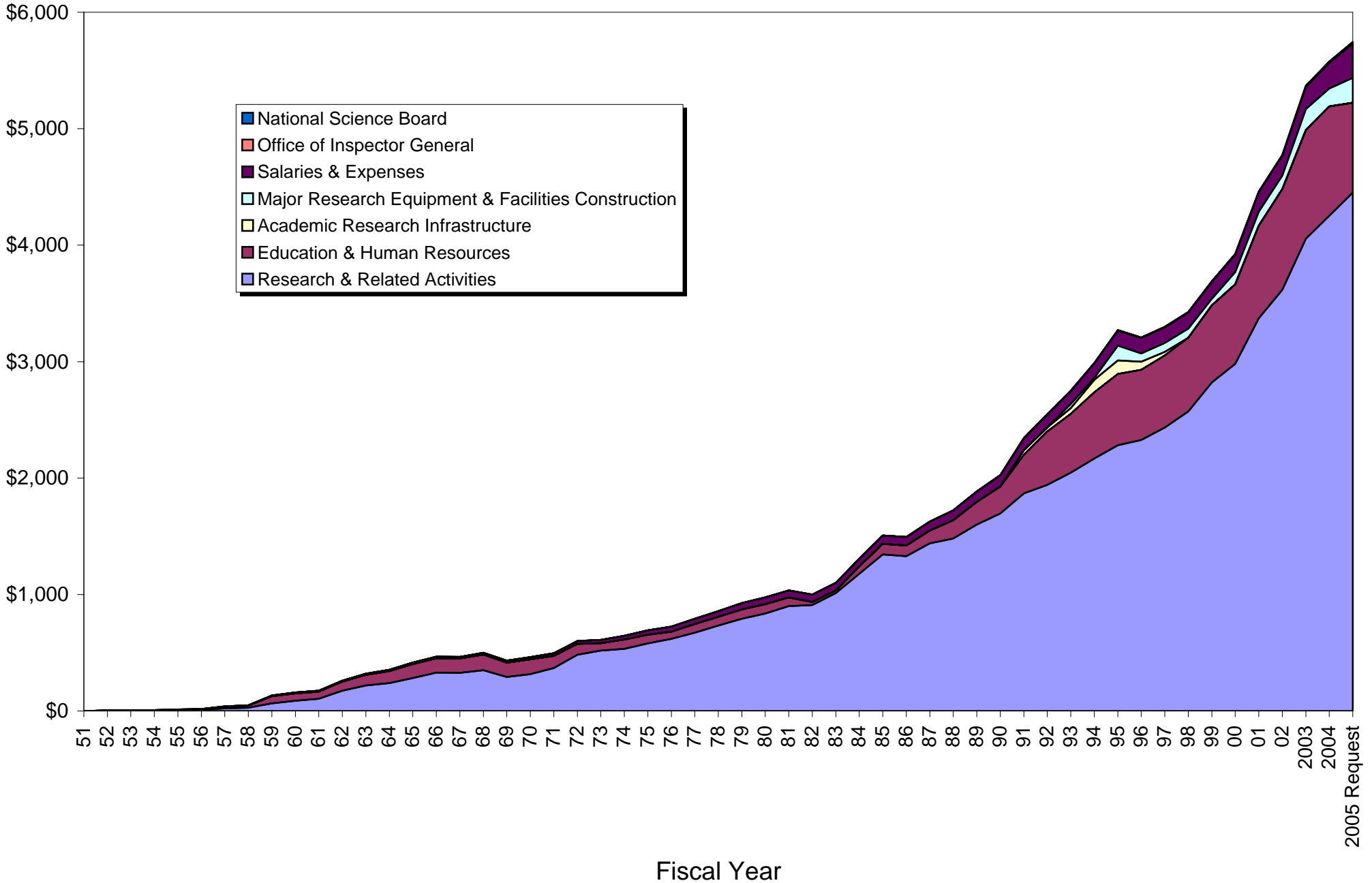
NSF Twenty Year Budget by Account

In Millions of Constant FY 2003 Dollars



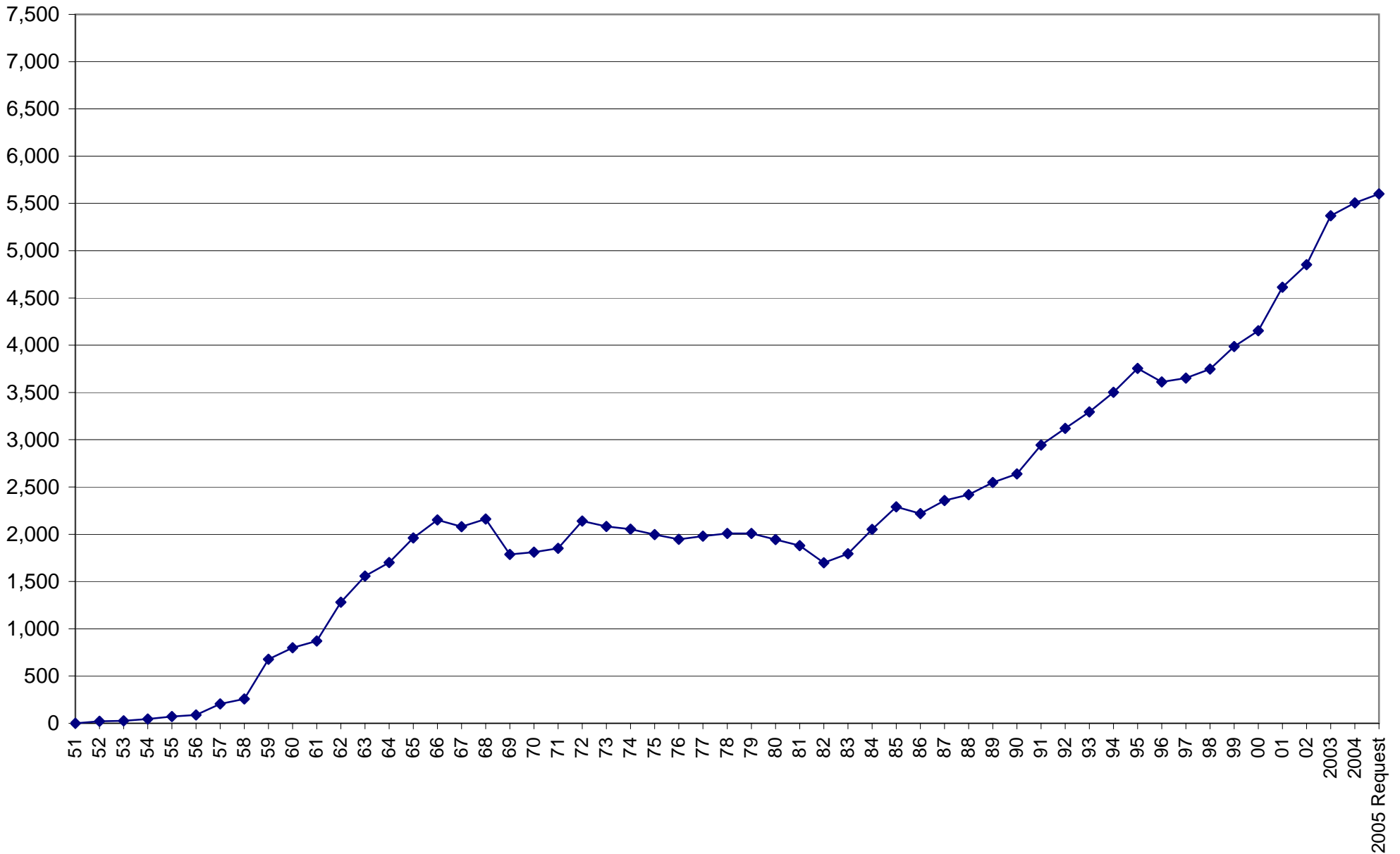
NSF Complete Budget History by Account

In Millions of Current Dollars



NSF Complete Budget History

In Millions of Constant FY 2003 Dollars

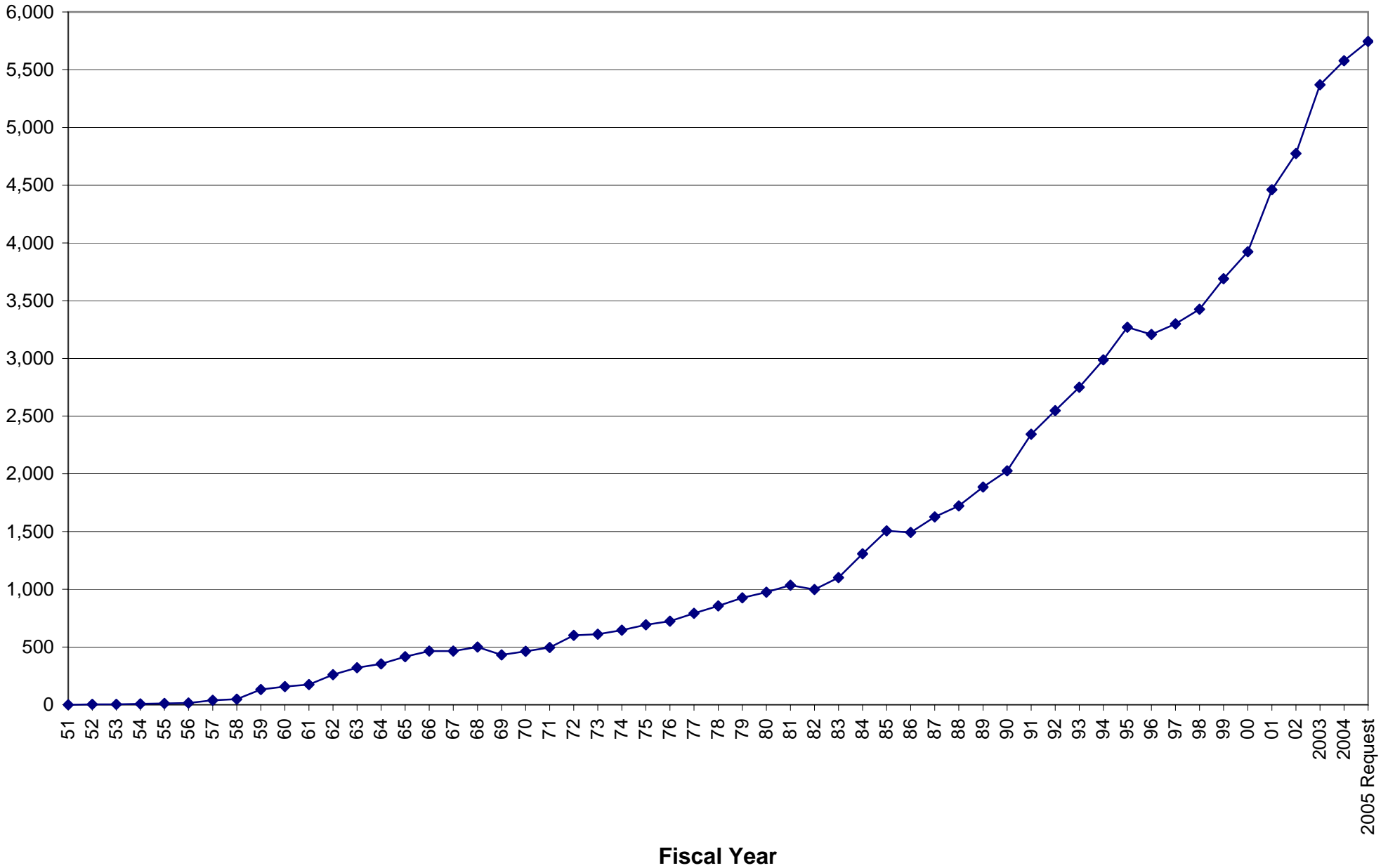


Fiscal Year

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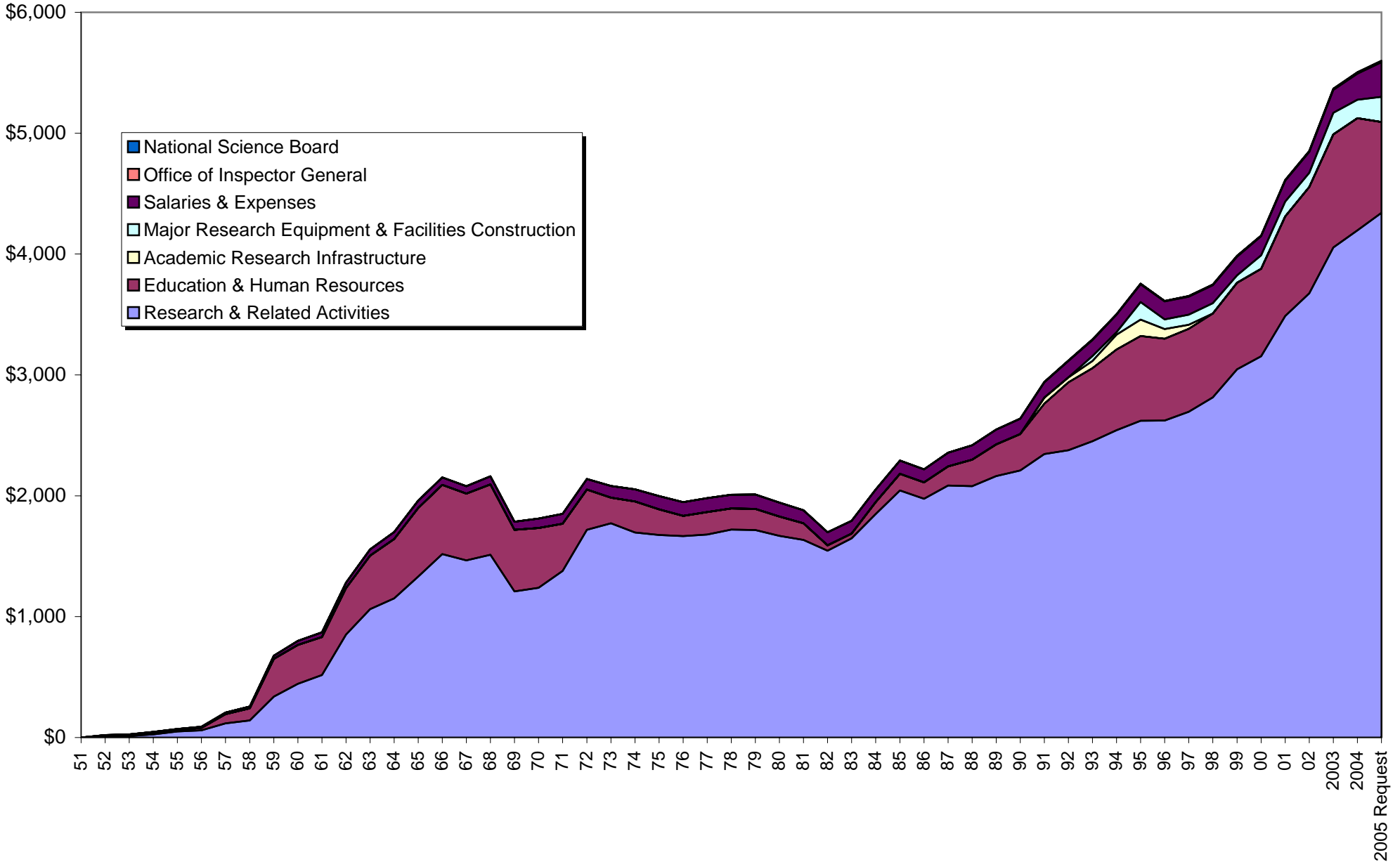
NSF Complete Budget History

In Millions of Current Dollars



NSF Complete Budget History by Account

In Millions of Constant FY 2003 Dollars



Fiscal Year

NSF By Account (Current Dollars)

(Estimated Dollars in Millions)

Fiscal Year	NSF	Dollar Increase	Percent Increase
51	0.15		
52	3.47	3.32	2201%
53	4.43	0.95	27%
54	7.96	3.53	80%
55	12.49	4.53	57%
56	15.99	3.51	28%
57	38.63	22.64	142%
58	49.51	10.88	28%
59	132.88	83.37	168%
60	158.60	25.72	19%
61	174.99	16.39	10%
62	260.82	85.84	49%
63	320.75	59.93	23%
64	354.58	33.83	11%
65	415.97	61.38	17%
66	466.02	50.06	12%
67	465.10	-0.92	0%
68	500.29	35.18	8%
69	432.50	-67.79	-14%
70	462.49	29.99	7%
71	496.14	33.64	7%
72	600.72	104.59	21%
73	610.27	9.54	2%
74	645.65	35.39	6%
75	693.13	47.47	7%
76	724.42	31.30	5%
77	791.77	67.35	9%
78	857.25	65.48	8%
79	926.93	69.68	8%
80	975.13	48.20	5%
81	1035.27	60.14	6%
82	999.14	-36.14	-3%
83	1101.69	102.56	10%
84	1306.92	205.22	19%
85	1507.07	200.15	15%
86	1493.17	-13.90	-1%
87	1627.62	134.45	9%
88	1722.57	94.95	6%
89	1885.88	163.31	9%
90	2026.06	140.18	7%
91	2343.49	317.43	16%
92	2547.13	203.64	9%
93	2749.73	202.60	8%
94	2987.21	237.49	9%
95	3270.27	283.06	9%
96	3206.33	-63.95	-2%
97	3298.82	92.49	3%
98	3425.73	126.91	4%
99	3690.28	264.55	8%
2000	3923.36	233.08	6%
2001	4459.87	536.51	14%
2002	4774.06	314.19	7%
2003 Request	5369.34	595.28	12%
2004 Request	5577.83	208.49	4%

NSF By Account (Constant FY 2000 Dollars)

(Estimated Dollars in Millions)

Fiscal Year	NSF	Dollar Increase	Percent Increase
51	0.93		
52	20.52	19.59	2112%
53	25.67	5.15	25%
54	45.62	19.95	78%
55	70.97	25.35	56%
56	88.57	17.59	25%
57	206.21	117.64	133%
58	256.53	50.32	24%
59	677.86	421.33	164%
60	799.41	121.55	18%
61	869.59	70.18	9%
62	1281.71	412.12	47%
63	1556.69	274.99	21%
64	1700.61	143.92	9%
65	1961.24	260.63	15%
66	2151.27	190.03	10%
67	2079.90	-71.37	-3%
68	2160.57	80.67	4%
69	1786.19	-374.37	-17%
70	1811.14	24.94	1%
71	1850.45	39.32	2%
72	2139.51	289.06	16%
73	2081.75	-57.77	-3%
74	2054.18	-27.57	-1%
75	1997.48	-56.70	-3%
76	1947.18	-50.30	-3%
77	1979.89	32.71	2%
78	2008.41	28.52	1%
79	2009.75	1.33	0%
80	1943.84	-65.91	-3%
81	1879.65	-64.19	-3%
82	1697.84	-181.81	-10%
83	1792.96	95.12	6%
84	2051.26	258.30	14%
85	2291.01	239.75	12%
86	2218.27	-72.74	-3%
87	2356.50	138.23	6%
88	2417.90	61.40	3%
89	2548.12	130.23	5%
90	2639.48	91.36	4%
91	2942.57	303.08	11%
92	3119.80	177.24	6%
93	3293.26	173.46	6%
94	3502.40	209.14	6%
95	3755.25	252.85	7%
96	3612.45	-142.80	-4%
97	3652.89	40.45	1%
98	3747.94	95.05	3%
99	3985.07	237.13	6%
2000	4152.88	167.81	4%
2001	4612.83	459.95	11%
2002	4851.99	239.15	5%
2003 Request	5369.34	517.35	11%
2004 Request	5505.53	136.19	3%

182 THE BUDGET FOR FISCAL YEAR 2003, HISTORICAL TABLES

Table 10.1—GROSS DOMESTIC PRODUCT AND DEFLATORS USED IN THE HISTORICAL TABLES: 1940–2007

(Fiscal Year 1996 = 1.000)

Year	GDP Deflator	FY1997=1	FY1998=1	FY1999=1	FY 2000=1	FY 2001=1	FY 2002=1	FY 2003=1
1951	0.1816	0.1781	0.1756	0.1734	0.1723	0.1684	0.1654	0.1628
1952	0.1887	0.1851	0.1825	0.1802	0.1792	0.1751	0.1721	0.1693
1953	0.1923	0.1886	0.1860	0.1836	0.1825	0.1783	0.1752	0.1724
1954	0.1946	0.1909	0.1882	0.1858	0.1846	0.1804	0.1772	0.1744
1955	0.1962	0.1924	0.1898	0.1873	0.1862	0.1819	0.1788	0.1759
1956	0.2014	0.1975	0.1948	0.1923	0.1911	0.1867	0.1835	0.1805
1957	0.2089	0.2049	0.2021	0.1994	0.1983	0.1938	0.1904	0.1873
1958	0.2152	0.2111	0.2081	0.2055	0.2043	0.1996	0.1962	0.1930
1959	0.2187	0.2145	0.2115	0.2088	0.2075	0.2028	0.1992	0.1960
1960	0.2212	0.2170	0.2139	0.2112	0.2100	0.2052	0.2016	0.1984
1961	0.2243	0.2200	0.2169	0.2141	0.2130	0.2081	0.2045	0.2012
1962	0.2268	0.2225	0.2194	0.2165	0.2154	0.2105	0.2068	0.2035
1963	0.2298	0.2254	0.2223	0.2194	0.2181	0.2131	0.2094	0.2060
1964	0.2325	0.2281	0.2249	0.2220	0.2207	0.2157	0.2119	0.2085
1965	0.2366	0.2321	0.2288	0.2259	0.2245	0.2194	0.2156	0.2121
1966	0.2417	0.2371	0.2338	0.2308	0.2293	0.2241	0.2202	0.2166
1967	0.2494	0.2446	0.2412	0.2381	0.2367	0.2313	0.2273	0.2236
1968	0.2584	0.2535	0.2499	0.2467	0.2451	0.2395	0.2353	0.2316
1969	0.2701	0.2649	0.2612	0.2579	0.2563	0.2504	0.2461	0.2421
1970	0.2849	0.2795	0.2756	0.2720	0.2703	0.2641	0.2595	0.2554
1971	0.2992	0.2935	0.2894	0.2857	0.2838	0.2773	0.2725	0.2681
1972	0.3132	0.3072	0.3029	0.2990	0.2972	0.2904	0.2854	0.2808
1973	0.3271	0.3208	0.3164	0.3123	0.3103	0.3032	0.2979	0.2932
1974	0.3504	0.3437	0.3389	0.3345	0.3327	0.3251	0.3194	0.3143
1975	0.3867	0.3793	0.3740	0.3692	0.3673	0.3589	0.3527	0.3470
1976	0.414	0.4061	0.4004	0.3953	0.3938	0.3848	0.3781	0.3720
1977	0.4451	0.4366	0.4305	0.4250	0.4233	0.4136	0.4064	0.3999
1978	0.4756	0.4665	0.4600	0.4541	0.4518	0.4415	0.4338	0.4268
1979	0.5142	0.5044	0.4973	0.4909	0.4882	0.4770	0.4687	0.4612
1980	0.5599	0.5492	0.5415	0.5346	0.5310	0.5189	0.5098	0.5017
1981	0.6142	0.6025	0.5941	0.5864	0.5830	0.5697	0.5598	0.5508
1982	0.6572	0.6446	0.6357	0.6275	0.6229	0.6087	0.5981	0.5885
1983	0.6861	0.6730	0.6636	0.6551	0.6504	0.6355	0.6245	0.6145
1984	0.7114	0.6978	0.6881	0.6792	0.6744	0.6590	0.6475	0.6371
1985	0.7349	0.7208	0.7108	0.7016	0.6963	0.6804	0.6686	0.6578
1986	0.7526	0.7382	0.7279	0.7185	0.7125	0.6962	0.6841	0.6731
1987	0.7733	0.7585	0.7479	0.7383	0.7311	0.7144	0.7020	0.6907
1988	0.7986	0.7833	0.7724	0.7625	0.7541	0.7369	0.7241	0.7124
1989	0.8293	0.8134	0.8021	0.7918	0.7834	0.7655	0.7522	0.7401
1990	0.8605	0.8440	0.8323	0.8216	0.8125	0.7939	0.7801	0.7676
1991	0.894	0.8769	0.8647	0.8535	0.8430	0.8237	0.8094	0.7964
1992	0.9174	0.8999	0.8873	0.8759	0.8642	0.8444	0.8298	0.8164
1993	0.9393	0.9213	0.9085	0.8968	0.8838	0.8636	0.8486	0.8350
1994	0.9596	0.9412	0.9281	0.9162	0.9028	0.8822	0.8668	0.8529
1995	0.9804	0.9616	0.9483	0.9360	0.9218	0.9007	0.8851	0.8709
1996	1	0.9809	0.9672	0.9547	0.9395	0.9180	0.9021	0.8876
1997	1.0195	1	0.9861	0.9734	0.9559	0.9340	0.9178	0.9031
1998	1.0339	1.0141	1	0.9871	0.9675	0.9454	0.9289	0.9140
1999	1.0474	1.0274	1.0131	1	0.9802	0.9578	0.9411	0.9260
2000	1.069	1.0486	1.0339	1.0206	1	0.9771	0.9602	0.9447
2001	1.0937	1.0728	1.0578	1.0442	1.0234	1	0.9826	0.9668
2002 estimate	1.1	1.0790	1.0639	1.0502	1.0415	1.0177	1	0.9839
2003 estimate	1.6	1.5694	1.5475	1.5276	1.0585	1.0343	1.0163	1
2004 estimate	1.2	1.1770	1.1607	1.1457	1.0724	1.0479	1.0297	1.0131
2005 estimate	1.3	1.2751	1.2574	1.2412	1.0858	1.0610	1.0425	1.0258
2006 estimate	1.5	1.4713	1.4508	1.4321	1.1021	1.0769	1.0582	1.0412
2007 estimate	1.7	1.6675	1.6443	1.6231	1.1204	1.0948	1.0758	1.0585
2008 estimate	2	1.9617	1.9344	1.9095	1.1419	1.1158	1.0964	1.0788
2009 estimate	2	1.9617	1.9344	1.9095	1.1651	1.1385	1.1187	1.1007

Centers Supported by NSF in FY 2003

Center	Institution
Engineering Research Centers	
Advanced Engineering Fibers and Films	Clemson U
Bioengineering Educational Technology	Vanderbilt U
Biomimetic Microelectronic Systems	U of Southern California
Biotechnology Process Engineering	Mass Institute of Tech
Collaborative Adaptive Sensing of the Atmosphere	U of Mass, Amherst
Computer-Integrated Surgical Systems and Technologies	Johns Hopkins U
Engineered Biomaterials	U of Washington
Engineering of Living Tissue	Georgia Institute of Tech
Environmentally Beneficial Catalysis	U of Kansas
Environmentally Benign Semiconductor Manufacturing	U of Arizona
Extreme Ultraviolet Science and Technology	Colorado State U
Integrated Media Systems	U of Southern California
Low Cost Electronic Packaging	Georgia Institute of Tech
Marine Bioproducts Engineering	U of Hawaii
Neuromorphic Systems Engineering	California Institute of Tech
Particle Science & Technology	U of Florida
Power Electronic Systems	Virginia Tech U
Reconfigurable Machining Systems	U of Michigan
Subsurface Sensing and Imaging Systems	Northeastern U
Wireless Integrated MicroSystems	U of Michigan
Engineering Research Groups	
Nano Modeling and Simulation Groups:	
Computational Nano-Engineering for Patterned Magnetic Nanostructures	Stanford U
Evolution of Nanoscale Film Morphology	Kansas State U
Molecular Nanoelectronics: Simulation from Molecules to Circuits	Purdue U
Molecular Transport in Nanostructured Materials	U of Delaware
Nanoengineered Materials: Polymer Composites to Structured Adsorbents	U of Pittsburgh
Nanoscale Modeling of Flow of Macromolecules through Microfluidic Devices	U of Wisconsin-Madison
Nanoscale Simulation by Quantum Computation	Mass Institute of Tech
XYZ-on-a-Chip Groups:	
Assembly of Integrated Near-field Optical Microfluidic Devices by Thin-film Transfer and Micromachining of Teflon, Group-III Nitrides and Silicon	U of California-Berkeley
Biomolecular Motor/Nanotube Integration for Actuator Nanotechnology	U of North Carolina-Chapel Hill
Cellular Electrophysiology on a Chip	U of Missouri-Columbia
Development and Fabrication of Three-Dimensional Microdevices	Boston College
Large Area Biosensing Electronics	Carnegie Mellon U
Micromachined Magnetically Reconfigurable Frequency Selective Surfaces	U of California-Los Angeles
A Nanomaterials/Nanoelectrochemical Route for Communication Between Biochemical Processes and IC Chips	U of Florida
Patterning Flow at the Microscale: Open Architecture Design for Integrated Fluidic Chips	Princeton U
UV Fluorescence/Absorption Micro-Analysis System	Texas Tech U

Science and Technology Centers

Adaptive Optics	U of California-Santa Cruz
Advanced Materials for Water Purification	U of Illinois
Behavioral Neuroscience	Georgia State Univ
Biophotonics Science and Technology	U of California-Davis
Earth Surface Dynamics	U of Minnesota
Embedded Networked Sensing	U of California-Los Angeles
Environmentally Responsible Solvents and Processes	U of North Carolina
Integrated Space Weather Modeling	Boston U
Materials and Devices for Information Technology Research	U of Washington
Nanobiotechnology	Cornell U
Sustainability of Semi-Arid Hydrology and Riparian Areas	U of Arizona

Plant Genome Virtual Centers

A Protein Interaction Database for Rice Protein Kinases	U of Nebraska-Lincoln
A Rice Oligonucleotide Array	U of California-Davis
Chromatin-based Control of Gene Expression	U of Arizona
Comparative and Functional Genomics of Tomato	Cornell U
Comparative Evolutionary Genomics of Cotton	Iowa State U
Functional and Comparative Genomics of Disease Resistance Genes	U of California-Davis
Deep Transcriptional Profiling of Rice Using Signature Sequencing	U of Delaware
Dissecting Phytophthora Resistance in Soybean using Expression Profiling and Analysis of Quantitative Trait Loci	VA Polytechnic Inst & St U
Finishing the Rice Genome	Cold Spring Harbor Lab
Functional Analyses of Genes Involved in Maize Leaf Initiation	U of Georgia
Functional Genomic Analysis of Tomato Fruit Flavor and Nutrition Pathways	U of Florida
Functional Genomics of Hemicellulose Biosynthesis	Michigan State U
Functional Genomics of Maize Centromeres	U of Georgia
Gene Inventory and Function of the Model Legume	U of California-Davis
Grass Genome Biodiversity	U of Georgia
Maize and <i>Arabidopsis</i> using Novel Spectroscopies	
High Density Genetic Map of Maize Transcripts	Iowa State U
Identification and Characterization of Plant Cell Wall Mutants	Purdue U
Vitis vinifera: Abiotic Stress and Wine Quality	U of Nevada-Reno
Microarray Resources for Maize Research	U of Arizona
Molecular and Functional Diversity in the Maize Genome	U of Wisconsin-Madison
Oryza Map Alignment Project	U of Arizona
Plant Genes Involved in Plant Transformation	Purdue U
Sequencing the Gene Space of a Model Legume	U of Minnesota
Systematic Transposon Mutagenesis of the Maize Genome	Cold Spring Harbor Lab
Techniques for Efficient Finishing and Mapping of Gene Enriched Sequences	U of Arizona
The Floral Genome Project	Penn State U
The Plant Ontology Consortium	Cold Spring Harbor Lab
Understanding Plastid Differentiation in Maize Through Expression Analysis	Cornell U
Potato Functional Genomics: Analysis of Growth, Development, Metabolism and Responses to Stress	U of California-Berkeley

Materials Centers

Advanced Carbon Materials Center	U of Kentucky
Center for Complex Materials	Princeton U
Center for Materials for Information Science	U of Alabama

Center for Materials Research
Center for Materials Science and Engineering
Center for Micro- and Nanomechanics of Materials
Center for Nanoscopic Materials Design
Center for Nanomagnetic Structures
Center for Nanoscale Science
Center for Nanostructured Materials
Center on Nanostructured Materials
Center for Oxide Thin Films, Probes and Surfaces
Center for Polymer Science and Engineering
Center for Polymers at Engineered Interfaces

Center for Polymer Interfaces and Macromolecular Assemblies
Center for Response-Driven Polymeric Films
Center for Science and Engineering of Materials
Center for Semiconductor Physics in Nanostructures
Center for Sensor Materials
Center for Thermal Spray Research
Ferroelectric Liquid Crystals Materials Research Center
International Materials Institute: Advanced Neutron Scattering Network for Education and Research
International Materials Institute: Materials Informatics and Combinatorial Materials Science
Laboratory for Research on the Structure of Matter
Materials Research Center
Materials Research Center
Materials Research Center
Materials Research Science and Engineering Center
Materials Research Science and Engineering Center
Materials Research Science and Engineering Center
Materials Research Science and Engineering Center
US/Africa Materials Institute

Center for Ecological Analysis and Synthesis

Long Term Ecological Research Sites

Arctic Tundra: Toolik Field Station
Bonanza Creek Experimental Forest
Cedar Creek Natural History Area
Central Arizona-Phoenix Urban LTER
Coweeta Hydrologic Laboratory
Florida Coastal Everglades
Georgia Coastal Ecosystems
H.J. Andrews Experimental Forest
Harvard Forest
Hubbard Brook Experimental Forest
Jornada Experimental Range
Kellogg Biological Station
Konza Prairie Research Natural Area
Luquillo Experimental Forest
McMurdo Dry Valleys, Antarctica
Metropolitan Baltimore Urban LTER
Niwot Ridge-Green Lakes Valley
North Temperate Lakes
Palmer Station, Antarctica
Plum Island Sound

Cornell U
Mass Institute of Tech
Brown U
U of Virginia
U of Nebraska
Pennsylvania State U
U of Wisconsin
Johns Hopkins U
U of Maryland
U of Massachusetts
SUNY-Stony Brook/ CUNY/
Polytechnic U
Stanford U/ UC-Davis/IBM

U of Southern Mississippi
California Institute of Tech
U of Oklahoma/ U of Arkansas
Michigan State U
SUNY-Stoney Brook
U of Colorado-Boulder
U of Tenn/Oak Ridge Nat Lab

Rensselaer Poly/U of

U of Pennsylvania
U of Chicago
Harvard U
Northwestern U
U of California-Santa Barbara
U of Minnesota
Carnegie Mellon U
Columbia U
Princeton U

U of California-Santa Barbara

Marine Biological Lab
U of Alaska
U of Minnesota
Arizona State U
U of Georgia
Florida International U
U of Georgia
Oregon State U
Harvard U
Syracuse U
Duke U
Michigan State U
Kansas State U
U of Puerto Rico-Rio Piedros
Desert Research Institute
Institute of Ecosystem Studies
U of Colorado
U of Wisconsin
U of California
Woods Hole

Santa Barbara Coastal LTER	U of California-Santa Barbara
Sevilleta National Wildlife Refuge	U of New Mexico
Shortgrass Steppe	Colorado State U
Virginia Coast Reserve	U of Virginia
Earthquake Engineering Research Centers	
Mid-America Earthquake Center	U of Illinois-Champaign-Urbana
Multidisciplinary Center for Earthquake Engineering Research	State U of NY-Buffalo
Pacific Earthquake Engineering Research Center	U of California-Berkeley
Chemistry Centers	
Chemical and Microbial Interactions at Environmental Interfaces	Stanford U
Environmental Redox-Mediated Dehalogenation Chemistry	Johns Hopkins U
Fundamental Studies of Nonparticle Formation in Air Pollution	Worcester Polytechnic Inst
Institute for Environmental Bioinorganic Chemistry	Princeton U
Laboratory for Molecular Sciences	California Institute of Tech
Molecular Environmental Chemistry of Mn Oxide Biomineralization	U of California-San Diego
Molecular Isotopic Tools for Environmental Research	Woods Hole
Molecular Level Analysis of Macromolecule-Surface Interactions in Bacterial Adhesion	Penn State U
Molecular Structure and Microstructure of PM2.5 Derived from Stationary and Mobile Fossil Fuel Sources	U of Kentucky
Role of Environmental Molecular Interfaces on the Chemical and Biological Reactivity of Pollutants	Ohio State U
Moderate Resolution Protein Structures by Chemical Cross-Linking and Mass Spectrometry	U of California-San Francisco
Center for Environmental Molecular Science (CEMS)	SUNY-Stony Brook
Role of Environmental Molecular Interfaces on the Chemical and Biological Reactivity of Pollutants	Ohio State U
Actinides and Heavy Metals in the Environment - The Formation, Stability, and Impact of Nano- and Micro-Particles	U of Notre Dame
Atom and Group Transfer Reactions: A Combined Synthetic, Structural, Theoretical, Kinetic, and Solution Calorimetry Investigation	Mass Institute of Tech
Next Generation Aromatics	U of Georgia
Multi-dimensional Molecular Metals, Crystal Design, and Superconductivity	Cornell U
An Integrated Approach to Understanding the Air-Water Interface in Atmospherically Relevant Systems	U of California-Irvine
Micro Imaging for Sensory and Materials Applications	Mass Institute of Tech
Synthesis and Characterization of New Molecular Clusters of Tetrels	U of California-Davis
Alternative Chemistries for Barrier Materials in Cu Metallization	U of Florida
Multiply Bound Polymer Chains:Novel Chemistry for Improved Interfacial Properties	U of Tennessee
Synthesis and Characterization of Fluorescent Porphyrinoid Bioconjugates for Imaging and Bioanalyses	Louisiana State Univ
Lanthanide Binding Tags:New Chemical Tools for Proteomics	Mass Institute of Tech
Mathematical Sciences Research Institutes	
American Institute of Mathematics	Palo Alto

Institute for Mathematics and Its Applications
Institute for Pure and Applied Mathematics
Mathematical Biosciences Institute
Mathematical Sciences Research Institute
Statistical and Applied Mathematical Sciences Institute

U of Minnesota
U of California-Los Angeles
Ohio State U
Berkeley
Duke U

Information Technology Centers

A Mobile Sensor Web for Polar Ice Sheet Measurements
Active Information Spaces Based on Ubiquitous Computing
Adaptable Voice Translation for Minority Languages
Adaptive Software for Field-driven Simulations
An Ensemble Approach to Data Assimilation
in the Earth Sciences
An International Virtual-Data Grid Laboratory
for Data Intensive Science
Building the Framework of the National Virtual Observatory
Building the Tree of Life -- A National Resource for
Phyloinformatics and Computational Phylogenetics
Capturing, Coordinating and Remembering
Human Experience
Center for Applied Algorithms
Center for Bits and Atoms
Center for Computational Biophysics
Cognitive and Social Design of Robotic Assistants
Collaborative Research for a National Center for
Empirical Software Engineering Research
Collaborative Research: Modular Ocean Data Assimilation
Computational Geometry for Structural Biology
and Bioinformatics
Computational Infrastructure for Microfluidic Systems
with Applications to Biotechnology
Computational Learning and Discovery in Biological
Sequence, Structure and Function Mapping
Computational Logic Tools for Research and Education
Computational Tools for Modeling, Visualizing and
Analyzing Historic and Archaeological Sites
Creating the Next Generation of Intelligent Animated
Conversational Agents
Data Centers - Managing Data with Profiles
Design and Simulation of Biologically-inspired Nanolattice
Design Conformant Software
Digital Clay for Shape Input and Display
Discrete Models & Algorithms in the Sciences
Dynamic Cooperative Performance Optimization
Enabling the Science Environment for Ecological Knowledge
Flexible Environments for Grand-Challenge
Climate Simulation
Foundations of Hybrid and Embedded Software Systems
Foundations of Solid-State Quantum Information Processing
FrameNet++: An On-Line Lexical Semantic Resource
and its Application to Speech & Language Understanding
From Bits to Information: Statistical Learning Technologies
for Digital Information Management and Search
From the Web to the Global InfoBase

U of Kansas
U of Illinois-Champaign-Urbana
Carnegie Mellon U
Cornell U
Mass Institute of Tech
U of Florida
Johns Hopkins U
University of New Mexico
Carnegie Mellon U
Carnegie Mellon U
Mass Institute of Tech
U of California - San Diego
Carnegie Mellon U
U of Maryland-College Park
Oregon State U
Duke U
U of California-Santa Barbara
Carnegie Mellon U
Stanford U
Columbia U
U of Colorado-Boulder
Brown U
U of Florida
Mass Institute of Tech
GA Tech Res Corp-GIT
U of California-Berkeley
U of Massachusetts-Amherst
U of New Mexico
U of Chicago
U of California - Berkeley
U of Urbana-Champaign
Int'l Computer Sci Inst
Mass Institute of Tech
Stanford U

The GriPhyN Project: Towards Peta-Scale Virtual Data Grids	U of Florida
Heterogeneous System Integration in System-on-a-Chip Designs	U of Washington
Hierarchical and Reconfigurable Schemes for Distributed Control over Heterogeneous Network	U of Illinois-Champaign-Urbana
High-Speed Wavelength-Agile Optical Networks	U of Urbana-Champaign
Institute for Quantum Information	California Institute of Tech
Interacting with the Visual World: Capturing, Understanding, and Predicting Appearance	Columbia U
Interaction and Participation in Integrated Land Use, Transportation, and Environmental Modeling	U of Washington
Investigation of a Model for Online Resource Creation and Sharing in Educational Settings	Michigan State U
ITR Linked Environments for Atmospheric Discovery (LEAD)	U of Oklahoma
Latent Semantic Analysis: Theory and Technology	U of Colorado-Boulder
Learning-Centered Design Methodology: Meeting the Nation's Need for Computational Tools for K-12 Science Education	U of Michigan-Ann Arbor
Low Frequency Array (LOFAR) - A Digital Radio Telescope	Northeast Radio Obs Corp
Methodologies and Tools for Designing and Implementing Large Scale Real-Time Systems	Vanderbilt U
Molecular Computation in Ciliates	Princeton U
Multilingual Access to Large Spoken Archives	Survivors of the Shoah Visual History Foundation
Multimodal Human Computer Interaction: Toward a Proactive Computer	U of Illinois-Champaign-Urbana
A Multiresolution Analysis for the Global Internet	U of Wisconsin-Madison
Networked Infomechanical Systems (NIMS)	U of Cal Los Angeles
New Approached to Human Capital Development through Information Technology Research	Northeastern U
Next Generation Bio-Molecular Imaging and Information Discovery	U of Cal Santa Barbara
A 100 Megabits per second to 100 Million Households	Carnegie Mellon University
The Open Source Quality Project	U of California-Berkeley
Personalized Spatial Audio via Scientific Computing and Computer Vision	U of Maryland-College Park
A Petabyte in Your Pocket	U of Wisconsin-Madison
Procedural Representation and Visualization Enabling Personalized Computational Fluid Dynamics	Purdue U
Quality-Scalable Information Flow Systems for Environmental Observation and Forecasting	Oregon Health Sciences U
Quantum Computing using Electrons on Helium Films	Case Western Reserve U
Real-Time Long-Distance Terascale Computation for Full Bandwidth Tele-Immersion	U of North Carolina-Chapel Hill
A Research Project to Create Cyberinfrastructure for the Geosciences	U of California - San Diego
Responding to the Unexpected	U of Cal Irvine
Responsive Virtual Human Technology Research	Research Triangle Inst
Robust Large-Scale Distributed Systems	Mass Institute of Tech
Self-Assembly of DNA Nano-Scale Structures for Computation	Duke U
Sensitive Information in a Wired World	Stanford University
Simulation of Flows with Dynamic Interfaces on Multi-	Carnegie-Mellon U

Teraflop Computers	Mass Institute of Tech
Social and Economic Implications of IT: What is Really Happening?	
Societal Scale Information Systems: Technologies, Design and Applications	U of California-Berkeley
Statistical Data Mining for Cosmology	Carnegie Mellon U
Sustainable and Generalizable Technologies to Support Collaboration in Science	U of Michigan-Ann Arbor
Taming the Data Flood: Systems that Evolve, are Available, and Maintainable (SEAM)	U of California-Berkeley
The Impacts of IT on Individuals and Their Organizations: Conditions of Change and Transformation.	U of California-Irvine
The OptIPuter	U of California - San Diego
The SCEC Community Modeling Environment: An Information Infrastructure for System-Level Earthquake Research	U of Southern California
The System Architecture of a Computing Utility	Stanford U
Understanding the Social Impact of the Internet: A Multifaceted Multidisciplinary Approach	U of Maryland-College Park
Virtual Grid Application Development Software (VGrADS)	Rice Univ
Virtual Instruments: Scalable Software Instruments for the Grid	U of California-San Diego
Visualization of Multi-Valued Scientific Data: Applying Ideas from Art and Perceptual Psychology	Brown U
Nanoscale Science and Engineering Centers	
Integrated Nanopatterning and Detection Technologies	Northwestern U
Nanoscale Systems in Information Technologies	Cornell U
Science of Nanoscale Systems and their Device Applications	Harvard U
Electronic Transport in Molecular Nanostructures	Columbia U
Nanoscience in Biological and Environmental Engineering	Rice U
Directed Assembly of Nanostructures	Rensselaer Polytechnic Inst
Center for Integrated and Scalable Nanomanufacturing	U of Calif-Los Angeles
Nanoscale Chemical-Electrical-Mechanical Manufacturing Systems	U of Illinois-Champaign-Urbana
Physics Frontiers Centers	
Center for Cosmological Physics	U of Chicago
Center for Gravitational-Wave Phenomenology	Pennsylvania State U
Frontiers of Optical, Coherent Ultrafast Science	U of Michigan
Center for the Study of the Origin and Structure of Matter	Hampton U
Center for Theoretical Biological Physics	U of California-San Diego
Research Centers on the Human Dimensions of Global Change	
Center for Integrated Study of the Human Dimensions of Global Change	Carnegie Mellon U
Center for the Study of Institutions, Population, and Environmental Change	Indiana U
National Consortium for Violence Research	
Carnegie Mellon U	
Children's Research Centers	
Children's Digital Media Center	Georgetown U
North Carolina Child Development Research Collaborative	U of North Carolina
Cornell Center for Research on Children	Cornell U
Center for Research on Culture, Development and Education	New York U
Center for the Analysis of Pathways from Childhood to	U of Michigan

Adulthood