	(Dollars in Tho	ousands)				
PROGRAM	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST		NGE FY01 Curr Plan PERCENT
BIOLOGICAL SCIENCES						
MOLECULAR AND CELLULAR BIOSCIENCES Molecular & Cellular Biosciences Research Projects	\$105,738	\$133,150	\$124,220	\$121,240	-\$2,980	-2.4%
Total	105,738	133,150	124,220	121,240	-2,980	-2.4%
INTEGRATIVE BIOLOGY AND NEUROSCIENCE Integrative Biology & Neuroscience Research Projects	95,140	119,690	111,660	112,640	980	0.9%
Total	95,140	119,690	111,660	112,640	980	0.9%
ENVIRONMENTAL BIOLOGY Environmental Biology Research Projects	89,363	119,230	109,870	111,740	1,870	1.7%
Total	89,363	119,230	109,870	111,740	1,870	1.7%
BIOLOGICAL INFRASTRUCTURE Research Resources Human Resources Total	49,344 15,682 65,025	62,710 16,730 79,440		56,040 16,450 72,490	-2,420 100 	-4.1% 0.6% -3.1%
PLANT GENOME RESEARCH Plant Genome Research Projects	63,028	59,630	64,860	65,000	140	0.2%
Total	63,028	59,630	64,860	65,000	140	0.2%
Total, BIO <sup>1</sup>	\$418,295	\$511,140	\$485,420	\$483,110	-\$2,310	-0.5%

<sup>&</sup>lt;sup>1</sup> The agency rountinely closes out awards that are past the expiration date. Several awards including \$4 million in BIO were terminated in FY 2000 due to incorrect award expiration dates. The expiration dates on these awards were corrected later in the year and the awards were reopened and the balances restored. The closing of the awards are reported as recoveries and the reopening of the awards are accounted for as upward adjustments to prior year obligations. This causes obligations to be technically correct but overstated by the amount of the upward adjustments. In the case of BIO, \$4 million resulting in a net funding level of \$414.33 million in FY 2000 for an increase of \$71.09 million in FY 2001.



(Dollars in Thousands)

PROGRAM	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST		ANGE FY01 Curr Plan PERCENT
COMPUTER AND INFORMATION SCIENCE AND ENG	INEERIN	<u></u> <u>G</u>				
COMPUTER-COMMUNICATIONS RESEARCH Computer-Communications Research	\$60,241	\$69,160	\$65,490	\$64,390	-\$1,100	-1.7%
Total	60,241	69,160	65,490	64,390	-1,100	-1.7%
INFORMATION AND INTELLIGENT SYSTEMS Information and Intelligent Systems Research	41,429	53,700	48,840	48,020	-820	-1.7%
Total	41,429	53,700	48,840	48,020	-820	-1.7%
EXPERIMENTAL AND INTEGRATIVE ACTIVITIES Experimental and Integrative Activities	57,845	63,320	60,950	57,810	-3,140	-5.2%
Total	57,845	63,320	60,950	57,810	-3,140	-5.2%
ADVANCED COMPUTATIONAL INFRASTRUCTURE AND RESEARCH Advanced Computational Infrastructure Advanced Computational Research  Total	70,741 7,266  78,007	75,830 8,320 	73,710 7,890  81,600	73,710 6,510  80,220	-1,380 	0.0% -17.5% 
ADVANCED NETWORKING INFRASTRUCTURE AND RESEARCH Advanced Networking Infrastructure Advanced Networking Research	43,743 16,912	45,400 23,370	44,710 20,830	43,910 20,530	-800 -300	-1.8% -1.4%
Total	60,655	68,770	65,550	64,440	-1,110	-1.7%
INFORMATION TECHNOLOGY RESEARCH (ITR) Information Technology Research (ITR)	90,390	190,000	155,480	155,480	0	0.0%
Total	90,390	190,000	155,480	155,480	0	0.0%
Total, CISE	\$388,567	\$529,100	\$477,900	\$470,360	-\$7,540	-1.6%



	(Dollars in T	Thousands)				
PROGRAM	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST		ANGE /FY01 Curr Plan PERCENT
ENGINEERING						
BIOENGINEERING AND ENVIRONMENTAL SYSTEMS Bioengineering and Environmental Systems	\$34,205	\$42,050	\$39,210	\$38,450	-\$760	-1.9%
Total	34,205	42,050	39,210	38,450	-760	-1.9%
CHEMICAL AND TRANSPORT SYSTEMS Chemical and Transport Systems	44,243	54,390	50,720	50,150	-570	-1.1%
Total	44,243	54,390	50,720	50,150	-570	-1.1%
CIVIL AND MECHANICAL SYSTEMS Civil and Mechanical Systems	48,255	56,190	53,260	52,180	-1,080	-2.0%
Total	48,255	56,190	53,260	52,180	-1,080	-2.0%
DESIGN, MANUFACTURE, AND INDUSTRIAL INNOVATION Design, Manufacture, and Industrial Innovation Small Business-Industrial Innovation  Total	47,292 62,141  109,434	55,660 77,700 133,360	51,360 74,830 	50,870 74,830 125,700	-490 0 	-1.0% 0.0% -0.4%
ELECTRICAL AND COMMUNICATIONS SYSTEMS Electrical and Communications Systems	45,283	58,870	53,970	57,090	3,120	5.8%
Total	45,283	58,870	53,970	57,090	3,120	5.8%
ENGINEERING EDUCATION AND CENTERS Engineering Education and Centers	98,400	111,640	107,480	107,480	0	0.0%
Total	98,400	111,640	107,480	107,480	0	0.0%
Total, ENG	\$379,819	\$456,500	\$430,840	\$431,050	\$210	0.0%



PROGRAM	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST		ANGE /FY01 Curr Plan PERCENT
GEOSCIENCES						
ATMOSPHERIC SCIENCES						
Atmospheric Sciences Research Support	\$95,632	\$118,260	\$117,070	\$115,870	-\$1,200	-1.0%
National Center for Atmospheric Research	68,615	75,750	71,380	70,630	-750	-1.1%
Total	164,247	194,010	188,450	186,500	-1,950	-1.0%
EARTH SCIENCES						
Earth Sciences Project Support	65,809	78,000	78,280	79,190	910	1.2%
Instrumentation and Facilities	27,164	31,000	28,470	28,520	50	0.2%
Continental Dynamics	9,182	9,510	9,060	9,080	20	0.2%
Total	102,155	118,510	115,810	116,790	980	0.8%
OCEAN SCIENCES						
Ocean Section	81,539	102,040	97,580	96,100	-1,480	-1.5%
Integrative Programs Section	67,980	85,370	83,290	82,850	-440	-0.5%
Marine Geosciences Section	71,720	83,070	77,060	76,300	-760	-1.0%
Total	221,239	270,480	257,930	255,250	-2,680	-1.0%
Total, GEO	\$487,641	\$583,000	\$562,190	\$558,540	-\$3,650	-0.6%



	(Dollars in The	ousands)				
PROGRAM	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST	CHAN FY 2002 Req/FY AMOUNT	
MATHEMATICAL AND PHYSICAL SCIENCES						
ASTRONOMICAL SCIENCES Astronomy Research and Instrumentation Facilities	\$42,961 79,568	\$59,790 79,910	\$53,940 94,700	\$54,710 101,550	\$770 6,850	1.4% 7.2%
Total	122,529	139,700	148,640	156,260	7,620	5.1%
CHEMISTRY Chemistsry Research & Infrastructure Total	138,628	161,990  161,990	153,520 	153,460 153,460	-60 	0.0%
MATERIALS RESEARCH						
Materials Research National Facilities	163,285 27,250	185,290 35,320	179,510 30,240	170,680 34,740	-8,830 4,500	-4.9% 14.9%
Total	190,535	220,610	209,750	205,420	-4,330	-2.1%
MATHEMATICAL SCIENCES Mathematical Sciences	105,975	130,210	121,480	141,480	20,000	16.5%
Total	105,975	130,210	121,480	141,480	20,000	16.5%
PHYSICS Physics Research Facilities	106,616 61,687	142,770 55,880	131,650 55,880	124,720 58,850	-6,930 2,970	-5.3% 5.3%
Total	168,303	198,650	187,530	183,570	-3,960	-2.1%
MULTIDISCIPLINARY ACTIVITIES Multidisciplinary Activities	29,911	30,000	29,910	23,390	-6,520	-21.8%
Total	29,911	30,000	29,910	23,390	-6,520	-21.8%
Total, MPS <sup>1</sup>	\$755,881	\$881,160	\$850,840	\$863,580	\$12,740	1.5%

<sup>&</sup>lt;sup>1</sup> The National High Magnetic Field Laboratory (NHMFL) will be funded at \$20 million, an increase of \$2.5 million above the FY 2001 Request, which is in accordance with the FY 2001 Budget Request (page 176). The NHMFL underwent a comprehensive review that resulted in a five year award (FY 2001-2006) that was approved by the National Science Board in October, 2000.



PROGRAM FY 2000 FY 2001 FY 2001 FY 2002 FY 2002 Req/FY01 Curr Plan REQUEST CURRENT PLAN REQUEST AMOUNT PERCENT ACTUAL SOCIAL, BEHAVIORAL AND ECONOMIC SCIENCES SOCIAL AND ECONOMIC SCIENCES Social and Economic Sciences \$61,072 \$72,060 \$66,100 \$65,840 -\$260 -0.4% Total 61,072 72,060 66,100 65,840 -260 -0.4% BEHAVIORAL AND COGNITIVE SCIENCES -0.4% Behavioral and Cognitive Sciences 46,058 59,290 56,810 56,560 -250 Total -250 -0.4% 46,058 59,290 56,810 56,560 INTERNATIONAL COOPERATIVE SCIENTIFIC ACTIVITIES 25,120 International Cooperative Scientific Activities 39,929 26,880 25,730 -610 -2.4% Total 39,929 25,730 -2.4% 26,880 25,120 -610 SCIENCE RESOURCES STUDIES 16,910 15,800 15,640 -160 -1.0% Science Resource Studies 15,055 Total 16,910 -1.0% 15,055 15,800 15,640 -160

\$162,114

\$189,935

\$68,400

\$129,252

\$2,979,904

\$175,140

\$222,810

\$62,600

\$119,230

\$3,540,680

\$3,540,680

\$164,440

\$210,800

\$62,460

\$97,750

\$3,342,630

\$3,350,153

7,523

\$163,160

\$213,970

\$62,600

\$80,610

\$3,326,980

\$3,326,980

-\$1,280

\$3,170

\$140

-\$17,140

-\$15,650

-7,523

-\$23,173

(Dollars in Thousands)

CHANGE

-0.8%

1.5%

0.2%

-17.5%

-0.5%

-0.7%

-100.0%

\$2,979,904



Total, SBE 1

SUPPORT ACTIVITIES

Subtotal, RESEARCH AND RELATED ACTIVITIES

Total, RESEARCH

Carryover

**INTEGRATIVE ACTIVITIES** 

AND RELATED ACTIVITIES

UNITED STATES POLAR RESEARCH PROGRAMS

UNITED STATES ANTARCTIC LOGISTICAL

<sup>&</sup>lt;sup>1</sup> For FY2000, SBE includes a transfer of \$15.4M from the U.S. International Development Cooperation Agency for an award to the U.S. Civilian Research and Development Foundation.

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(Di	ollars in Thousan	ds)				
PROGRAM	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST	CHANG FY 2002 Req/FY01 AMOUNT	
EDUCATION AND HUMAN RESOURCES						
MATH & SCIENCE PARTNERSHIPS Math & Science Partnerships	\$0	\$0	\$0	\$200,000	\$200,000	n/a
Total	0	0	0	200,000	200,000	n/a
EDUCATIONAL SYSTEM REFORM Educational System Reform	113,009	109,510	110,440	45,250	-65,190	-59.0%
Total	113,009	109,510	110,440	45,250	-65,190	-59.0%
OFFICE OF INNOVATION PARTNERSHIPS Innovation Partnership Activities Experimental Program to Stimulate Competitive Research (EPSCoR)	3,911 51,708	0 48,410	9,980 74,830	0 74,810	-9,980 -20	-100.0%
Total	55,619	48,410	84,810	74,810	-10,000	-11.8%
ELEMENTARY, SECONDARY AND INFORMAL EDUCATION Instructional and Assessment Materials Development Teacher & Student Development Informal Science Education	36,981 101,584 47,644	33,800 111,700 46,000	34,090 112,640 55,880	28,990 80,620 56,000	-5,100 -32,020 120	-15.0% -28.4% 0.2%
Total	186,209	191,500	202,610	165,610	-37,000	-18.3%
UNDERGRADUATE EDUCATION Curriculum, Laboratory & Instructional Development Workforce Development	60,541 56,207	75,710 64,850	76,090 64,860	75,740 56,860	-350 -8,000	-0.5% -12.3%
Total	116,748	140,560	140,950	132,600	-8,350	-5.9%
GRADUATE EDUCATION Graduate Student Support	78,683	89,450	87,750	95,500	7,750	8.8%
Total	78,683	89,450	87,750	95,500	7,750	8.8%
HUMAN RESOURCE DEVELOPMENT Undergraduate/ Graduate Student Support Research & Education Infrastructure Opportunities for Women and Persons with Disabilities	34,189 22,523 20,574	44,850 23,010 14,020	51,020 23,200 16,470	50,770 23,200 16,470	-250 0 0	-0.5% 0.0% 0.0%
Total	77,287	81,880	90,690	90,440	-250	-0.3%
RESEARCH, EVALUATION AND COMMUNICATION Research Evaluation	43,609 12,420	55,160 12,540	55,730 12,640	55,560 12,640	-170 0	-0.3%
Total	56,028	67,700	68,370	68,200	-170	-0.2%
Subtotal, EHR H-1B Nonimmigrant Petitioner Receipts	683,583 25,058	729,010 31,000	785,620 121,000	872,410 144,000	86,790 23,000	11.0% 19.0%
Carryover <sup>1</sup> Total, EHR <sup>2</sup>	\$708,641	\$760,010	9,793 \$916,413	\$1,016,410	\$99,997	10.9%

 $<sup>^{1}\,</sup>Carry over\ excludes\ \$49.9\ million\ of\ H-1B\ Nonimmigrant\ Petitioner\ receipts;\ these\ funds\ will\ be\ obligated\ through\ the\ EHR\ activity.$ 

Carryover excludes \$49.9 minion of r=16 Noniminigrant returioner receipts, uses a times win be configured among the EHR activity.

2 The agency rountinely closes out awards that are past the expiration date. Several awards were terminated in FY 2000 due to incorrect award expiration dates. The expiration dates on these awards were corrected later in the year and the awards were reopened and the balances restored. The closing of the awards are reported as recoveries and the reopening of the awards are accounted for as upward adjustments to prior year obligations. This causes obligations to be technically correct but overstated by the amount of the upward adjustments. In the case of EHR, \$1.8 million resulting in a net funding level of \$681.74 million in FY 2000 for an increase of \$103.88 million in FY 2001.



(Dollars in Thousands)

PROGRAM	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST	FY 2002 Req/	ANGE FY01 Curr Plan PERCENT
MAJOR RESEARCH EQUIPMENT Carryover 1	\$105,000	\$138,540	\$121,332 70,975	\$96,300	-\$25,032 -70,975	-20.6% 0.0%
Total, MRE	\$105,000	\$138,540	\$192,307	\$96,300	-\$96,007	0.0%
SALARIES AND EXPENSES	\$149,280	\$157,890	\$160,540	\$170,040	\$9,500	5.9%
OFFICE OF INSPECTOR GENERAL Carryover	\$5,600	\$6,280	\$6,270 114	\$6,760	\$490 -114	7.8% 0.0%
Total, OIG	\$5,600	\$6,280	\$6,384	\$6,760	\$376	5.9%
Subtotal, NATIONAL SCIENCE FOUNDATION	\$3,948,425	\$4,603,400	\$4,537,392	\$4,616,490	\$79,098	1.7%
Carryover <sup>2</sup>			88,405		-88,405	0.0%
TOTAL, NATIONAL SCIENCE FOUNDATION	\$3,948,425	\$4,603,400	\$4,625,797	\$4,616,490	-\$9,307	-0.2%

<sup>&</sup>lt;sup>1</sup> In FY 2000 \$70.97 million was carried over into FY 2001 largely in support of the South Pole Station Modernization project.



<sup>&</sup>lt;sup>2</sup> Carryover excludes \$49.9 million of H-1B Nonimmigrant Petitioner receipts; these funds will be obligated through the EHR activity.