

(Dollars in Thousands)						
PROGRAM	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST	CHANGE FY 2002 Req/FY01 Curr Plan AMOUNT	PERCENT
<b><u>BIOLOGICAL SCIENCES</u></b>						
<i>MOLECULAR AND CELLULAR BIOSCIENCES</i>						
Molecular & Cellular Biosciences Research Projects	\$105,738	\$133,150	\$124,220	\$121,240	-\$2,980	-2.4%
<b>Total</b>	105,738	133,150	124,220	121,240	-2,980	-2.4%
<i>INTEGRATIVE BIOLOGY AND NEUROSCIENCE</i>						
Integrative Biology & Neuroscience Research Projects	95,140	119,690	111,660	112,640	980	0.9%
<b>Total</b>	95,140	119,690	111,660	112,640	980	0.9%
<i>ENVIRONMENTAL BIOLOGY</i>						
Environmental Biology Research Projects	89,363	119,230	109,870	111,740	1,870	1.7%
<b>Total</b>	89,363	119,230	109,870	111,740	1,870	1.7%
<i>BIOLOGICAL INFRASTRUCTURE</i>						
Research Resources	49,344	62,710	58,460	56,040	-2,420	-4.1%
Human Resources	15,682	16,730	16,350	16,450	100	0.6%
<b>Total</b>	65,025	79,440	74,820	72,490	-2,330	-3.1%
<i>PLANT GENOME RESEARCH</i>						
Plant Genome Research Projects	63,028	59,630	64,860	65,000	140	0.2%
<b>Total</b>	63,028	59,630	64,860	65,000	140	0.2%
<b>Total, BIO <sup>1</sup></b>	\$418,295	\$511,140	\$485,420	\$483,110	-\$2,310	-0.5%

<sup>1</sup> The agency routinely 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.



## LEVEL OF FUNDING BY PROGRAM

(Dollars in Thousands)

PROGRAM	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST	CHANGE FY 2002 Req/FY01 Curr Plan AMOUNT	PERCENT
<b><u>COMPUTER AND INFORMATION SCIENCE AND ENGINEERING</u></b>						
<i>COMPUTER-COMMUNICATIONS RESEARCH</i>						
Computer-Communications Research	\$60,241	\$69,160	\$65,490	\$64,390	-\$1,100	-1.7%
<b>Total</b>	60,241	69,160	65,490	64,390	-1,100	-1.7%
<i>INFORMATION AND INTELLIGENT SYSTEMS</i>						
Information and Intelligent Systems Research	41,429	53,700	48,840	48,020	-820	-1.7%
<b>Total</b>	41,429	53,700	48,840	48,020	-820	-1.7%
<i>EXPERIMENTAL AND INTEGRATIVE ACTIVITIES</i>						
Experimental and Integrative Activities	57,845	63,320	60,950	57,810	-3,140	-5.2%
<b>Total</b>	57,845	63,320	60,950	57,810	-3,140	-5.2%
<i>ADVANCED COMPUTATIONAL INFRASTRUCTURE AND RESEARCH</i>						
Advanced Computational Infrastructure	70,741	75,830	73,710	73,710	0	0.0%
Advanced Computational Research	7,266	8,320	7,890	6,510	-1,380	-17.5%
<b>Total</b>	78,007	84,150	81,600	80,220	-1,380	-1.7%
<i>ADVANCED NETWORKING INFRASTRUCTURE AND RESEARCH</i>						
Advanced Networking Infrastructure	43,743	45,400	44,710	43,910	-800	-1.8%
Advanced Networking Research	16,912	23,370	20,830	20,530	-300	-1.4%
<b>Total</b>	60,655	68,770	65,550	64,440	-1,110	-1.7%
<i>INFORMATION TECHNOLOGY RESEARCH (ITR)</i>						
Information Technology Research (ITR)	90,390	190,000	155,480	155,480	0	0.0%
<b>Total</b>	90,390	190,000	155,480	155,480	0	0.0%
<b>Total, CISE</b>	\$388,567	\$529,100	\$477,900	\$470,360	-\$7,540	-1.6%



(Dollars in Thousands)						
PROGRAM	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST	CHANGE	
					FY 2002 Req/FY01 AMOUNT	Curr Plan PERCENT
<b>ENGINEERING</b>						
<i>BIOENGINEERING AND ENVIRONMENTAL SYSTEMS</i>						
Bioengineering and Environmental Systems	\$34,205	\$42,050	\$39,210	\$38,450	-\$760	-1.9%
<b>Total</b>	34,205	42,050	39,210	38,450	-760	-1.9%
<i>CHEMICAL AND TRANSPORT SYSTEMS</i>						
Chemical and Transport Systems	44,243	54,390	50,720	50,150	-570	-1.1%
<b>Total</b>	44,243	54,390	50,720	50,150	-570	-1.1%
<i>CIVIL AND MECHANICAL SYSTEMS</i>						
Civil and Mechanical Systems	48,255	56,190	53,260	52,180	-1,080	-2.0%
<b>Total</b>	48,255	56,190	53,260	52,180	-1,080	-2.0%
<i>DESIGN, MANUFACTURE, AND INDUSTRIAL INNOVATION</i>						
Design, Manufacture, and Industrial Innovation	47,292	55,660	51,360	50,870	-490	-1.0%
Small Business-Industrial Innovation	62,141	77,700	74,830	74,830	0	0.0%
<b>Total</b>	109,434	133,360	126,190	125,700	-490	-0.4%
<i>ELECTRICAL AND COMMUNICATIONS SYSTEMS</i>						
Electrical and Communications Systems	45,283	58,870	53,970	57,090	3,120	5.8%
<b>Total</b>	45,283	58,870	53,970	57,090	3,120	5.8%
<i>ENGINEERING EDUCATION AND CENTERS</i>						
Engineering Education and Centers	98,400	111,640	107,480	107,480	0	0.0%
<b>Total</b>	98,400	111,640	107,480	107,480	0	0.0%
<b>Total, ENG</b>	\$379,819	\$456,500	\$430,840	\$431,050	\$210	0.0%



## LEVEL OF FUNDING BY PROGRAM

(Dollars in Thousands)

PROGRAM	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST	CHANGE FY 2002 Req/FY01 Curr Plan AMOUNT PERCENT	
<b><u>GEOSCIENCES</u></b>						
<i>ATMOSPHERIC SCIENCES</i>						
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%
<b>Total</b>	164,247	194,010	188,450	186,500	-1,950	-1.0%
<i>EARTH SCIENCES</i>						
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%
<b>Total</b>	102,155	118,510	115,810	116,790	980	0.8%
<i>OCEAN SCIENCES</i>						
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%
<b>Total</b>	221,239	270,480	257,930	255,250	-2,680	-1.0%
<b>Total, GEO</b>	\$487,641	\$583,000	\$562,190	\$558,540	-\$3,650	-0.6%



PROGRAM	(Dollars in Thousands)				CHANGE	
	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST	FY 2002 Req/FY 01 AMOUNT	FY 01 Curr Plan PERCENT
<b><u>MATHEMATICAL AND PHYSICAL SCIENCES</u></b>						
<i>ASTRONOMICAL SCIENCES</i>						
Astronomy Research and Instrumentation	\$42,961	\$59,790	\$53,940	\$54,710	\$770	1.4%
Facilities	79,568	79,910	94,700	101,550	6,850	7.2%
<b>Total</b>	<b>122,529</b>	<b>139,700</b>	<b>148,640</b>	<b>156,260</b>	<b>7,620</b>	<b>5.1%</b>
<i>CHEMISTRY</i>						
Chemistry Research & Infrastructure	138,628	161,990	153,520	153,460	-60	0.0%
<b>Total</b>	<b>138,628</b>	<b>161,990</b>	<b>153,520</b>	<b>153,460</b>	<b>-60</b>	<b>0.0%</b>
<i>MATERIALS RESEARCH</i>						
Materials Research	163,285	185,290	179,510	170,680	-8,830	-4.9%
National Facilities	27,250	35,320	30,240	34,740	4,500	14.9%
<b>Total</b>	<b>190,535</b>	<b>220,610</b>	<b>209,750</b>	<b>205,420</b>	<b>-4,330</b>	<b>-2.1%</b>
<i>MATHEMATICAL SCIENCES</i>						
Mathematical Sciences	105,975	130,210	121,480	141,480	20,000	16.5%
<b>Total</b>	<b>105,975</b>	<b>130,210</b>	<b>121,480</b>	<b>141,480</b>	<b>20,000</b>	<b>16.5%</b>
<i>PHYSICS</i>						
Physics Research	106,616	142,770	131,650	124,720	-6,930	-5.3%
Facilities	61,687	55,880	55,880	58,850	2,970	5.3%
<b>Total</b>	<b>168,303</b>	<b>198,650</b>	<b>187,530</b>	<b>183,570</b>	<b>-3,960</b>	<b>-2.1%</b>
<i>MULTIDISCIPLINARY ACTIVITIES</i>						
Multidisciplinary Activities	29,911	30,000	29,910	23,390	-6,520	-21.8%
<b>Total</b>	<b>29,911</b>	<b>30,000</b>	<b>29,910</b>	<b>23,390</b>	<b>-6,520</b>	<b>-21.8%</b>
<b>Total, MPS <sup>1</sup></b>	<b>\$755,881</b>	<b>\$881,160</b>	<b>\$850,840</b>	<b>\$863,580</b>	<b>\$12,740</b>	<b>1.5%</b>

<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.



## LEVEL OF FUNDING BY PROGRAM

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PROGRAM	FY 2000 ACTUAL	FY 2001 REQUEST	FY 2001 CURRENT PLAN	FY 2002 REQUEST	CHANGE FY 2002 Req/FY01 Curr Plan	
					AMOUNT	PERCENT
<b><u>SOCIAL, BEHAVIORAL AND ECONOMIC SCIENCES</u></b>						
<i>SOCIAL AND ECONOMIC SCIENCES</i>						
Social and Economic Sciences	\$61,072	\$72,060	\$66,100	\$65,840	-\$260	-0.4%
<b>Total</b>	<b>61,072</b>	<b>72,060</b>	<b>66,100</b>	<b>65,840</b>	<b>-260</b>	<b>-0.4%</b>
<i>BEHAVIORAL AND COGNITIVE SCIENCES</i>						
Behavioral and Cognitive Sciences	46,058	59,290	56,810	56,560	-250	-0.4%
<b>Total</b>	<b>46,058</b>	<b>59,290</b>	<b>56,810</b>	<b>56,560</b>	<b>-250</b>	<b>-0.4%</b>
<i>INTERNATIONAL COOPERATIVE SCIENTIFIC ACTIVITIES</i>						
International Cooperative Scientific Activities	39,929	26,880	25,730	25,120	-610	-2.4%
<b>Total</b>	<b>39,929</b>	<b>26,880</b>	<b>25,730</b>	<b>25,120</b>	<b>-610</b>	<b>-2.4%</b>
<i>SCIENCE RESOURCES STUDIES</i>						
Science Resource Studies	15,055	16,910	15,800	15,640	-160	-1.0%
<b>Total</b>	<b>15,055</b>	<b>16,910</b>	<b>15,800</b>	<b>15,640</b>	<b>-160</b>	<b>-1.0%</b>
<b>Total, SBE <sup>1</sup></b>	<b>\$162,114</b>	<b>\$175,140</b>	<b>\$164,440</b>	<b>\$163,160</b>	<b>-\$1,280</b>	<b>-0.8%</b>
<b><u>UNITED STATES POLAR RESEARCH PROGRAMS</u></b>						
	\$189,935	\$222,810	\$210,800	\$213,970	\$3,170	1.5%
<b><u>UNITED STATES ANTARCTIC LOGISTICAL SUPPORT ACTIVITIES</u></b>						
	\$68,400	\$62,600	\$62,460	\$62,600	\$140	0.2%
<b><u>INTEGRATIVE ACTIVITIES</u></b>						
	\$129,252	\$119,230	\$97,750	\$80,610	-\$17,140	-17.5%
<b>Subtotal, RESEARCH AND RELATED ACTIVITIES</b>						
	\$2,979,904	\$3,540,680	\$3,342,630	\$3,326,980	-\$15,650	-0.5%
Carryover			7,523		-7,523	-100.0%
<b>Total, RESEARCH AND RELATED ACTIVITIES</b>	<b>\$2,979,904</b>	<b>\$3,540,680</b>	<b>\$3,350,153</b>	<b>\$3,326,980</b>	<b>-\$23,173</b>	<b>-0.7%</b>

<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.



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

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

<sup>2</sup> The agency routinely 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.



## LEVEL OF FUNDING BY PROGRAM

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<b>MAJOR RESEARCH EQUIPMENT</b>						
Carryover <sup>1</sup>	\$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%
<b>SALARIES AND EXPENSES</b>	\$149,280	\$157,890	\$160,540	\$170,040	\$9,500	5.9%
<b>OFFICE OF INSPECTOR GENERAL</b>						
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%
<b>Subtotal, NATIONAL SCIENCE FOUNDATION</b>	\$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%
<b>TOTAL, NATIONAL SCIENCE FOUNDATION</b>	\$3,948,425	\$4,603,400	\$4,625,797	\$4,616,490	-\$9,307	-0.2%

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

