

CHANGES BETWEEN FY 2005 REQUEST AND FY 2005 CURRENT PLAN

The FY 2005 Current Plan for the National Science Foundation is \$5,472.82 million, or 4.7 percent less than requested. This represents a decrease of \$179.19 million, from the FY 2004 Actual of \$5,652.01 million. Funding levels for the FY 2005 Current Plan include the 0.80 percent rescission.

Changes Between FY 2005 Request and FY 2005 Current Plan (Dollars in Millions)

	FY 2004 Actual	FY 2005 Request	FY 2005 Current Plan	Change between FY 2005 Current Plan & FY 2005 Request	
				Amount	Percent
Research & Related Activities	4,293.34	4,452.31	4,220.55	-231.76	-5.2%
Education & Human Resources ¹	944.10	771.36	841.42	70.06	9.1%
Major Research Equipment	183.96	213.27	173.65	-39.62	-18.6%
Salaries & Expenses	218.92	294.00	223.20	-70.80	-24.1%
National Science Board	2.22	3.95	3.97	0.02	N/A
Office of Inspector General	9.47	10.11	10.03	-0.08	-0.8%
Total, NSF	\$5,652.01	\$5,745.00	\$5,472.82	-\$272.18	-4.7%

Totals may not add due to rounding.

¹ MSP was included in R&RA for the FY 2005 Request at \$80.0 million, but was funded out of EHR in the FY 2005 Current Plan.

The FY 2005 Current Plan for the **Research and Related Activities** (R&RA) Appropriation is \$4,220.55 million, a decrease of 5.2 percent from the FY 2005 Request.

The FY 2005 Current Plan within the Directorate for Biological Sciences includes \$94.24 million for plant genome research, and \$5.95 million for continued planning and design activities for the National Ecological Observatory Network (NEON), as recommended by the National Academies report. Funding for NEON was requested in the MREFC Account, but is provided in the R&RA Account.

Within the Directorate for Computer and Information Science and Engineering (CISE), all divisions are funded at the FY 2005 Request level, corresponding to an increase of approximately 14 percent for core information technology (IT) programs. The Information Technology Research Subactivity is reduced by \$4.33 million from the FY 2005 Request. Within this account, funds previously invested in IT research broadly defined are targeted to specific IT research and education emphases, including an additional \$10.0 million increase for new cybersecurity awards that respond to the Cybersecurity Research and Development Act, and a \$3.0 million increase for cyberinfrastructure research.

The FY 2005 Current Plan within the Directorate for Engineering includes \$127.77 million for the Nanoscale Science and Engineering priority area; \$19.54 within the Division of Civil and Mechanical Systems to initiate operations for the George E. Brown, Jr., Network for Earthquake Engineering Simulation (NEES), and \$102.76 million for the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs.

The FY 2005 Current Plan within the Directorate for Mathematical and Physical Sciences will provide \$2.50 million for design and development of the Giant Segmented Mirror Telescope; and \$2.30 million for continued design and development for the Rare Symmetry Violating Processes (RSVP) project. The MPS Current Plan also includes a \$132.14 million contribution to the National Nanotechnology Initiative.

Of appropriated funding for Social, Behavioral and Economic Sciences, \$30.90 million will target the expansion of the Human and Social Dynamics (HSD) priority area. Total NSF funding for HSD is \$38.25 million in FY 2005.

Of funds provided for Integrative Activities at the FY 2005 level, \$89.28 million will be provided for Major Research Instrumentation. Two new Science and Technology Centers will be initiated at \$6.0 million.

The Directorate for **Education and Human Resources** (EHR) will be funded at \$841.42 million, an increase of 9.1 percent over the FY 2005 Request. Within the FY 2005 Request, funding for the Math and Science Partnership was included in the Integrative Activities line within Research and Related Activities. Congress appropriated the funds within the EHR Account. MSP funding is reflected in the EHR Account in the FY 2004 Actual and the FY 2005 Current Plan. If the FY 2005 Request for EHR is changed to match Congressional action it would include the funds for MSP (for a revised EHR total of \$851.36 million) and would show the change to the Current Plan is a negative \$9.94 million, which is an overall reduction of EHR of 1.2 percent.

Of the amount appropriated for Elementary, Secondary and Informal Education, \$63.06 million has been provided for the Informal Science Education program. Within the level of funding for Undergraduate Education, \$45.14 million will be provided for the Advanced Technological Education program, \$25.28 million for the STEM Talent Expansion Program, and \$7.89 million for the Noyce Scholarship Program.

Within the funding level for Human Resource Development \$35.02 million will be provided for the Louis Stokes Alliances for Minority Participation, \$25.22 million for the Historically Black Colleges and Universities Undergraduate program (HBCU-UP), \$14.79 million for the Alliance for Graduate Education and Professoriate, and \$15.87 million for the Centers of Research Excellence in Science and Technology (CREST) program.

The **Major Research Equipment and Facilities Construction** (MREFC) Account is funded at \$173.65 million, a decrease of 18.6 percent from the FY 2005 Request. Within MREFC, \$49.30 million will be provided for construction of the Atacama Large Millimeter Array (ALMA) radio telescope, \$46.97 million for EarthScope, \$47.62 million for the IceCube Neutrino Detection project, \$14.88 million for the Scientific Ocean Drilling Vessel, and \$14.88 million for the Rare Symmetry Violating Processes (RSVP) project. Additionally, NSF will continue to refine the National Ecological Observatory Network (NEON) plan from funds provided under Research and Related Activities.

The **Salaries and Expenses** (S&E) appropriation totals \$223.20 million. These funds provide for the operation, management, and direction of all Foundation programs and activities, and include necessary funds to develop and coordinate NSF programs.

The **National Science Board** (NSB) will be funded at \$3.97 million.

The **Office of Inspector General** (OIG) will be funded at \$10.03 million.