

FY 2007 Appropriations for the National Science Foundation (NSF)

<http://www.nsf.gov/about/budget/fy2007/pdf/fy2007.pdf>

(numbers are in millions)

NSF	FY06 Final	President's FY 2007 Request	FY07 House	FY07 Senate	FY07 Joint Resolution
Research & Related Activities:					
Biological Sciences	576.7	607.8	607.8		
Computer & Information Science & Engineering (CISE)	496.4	526.7	526.7		
Engineering	580.9	628.5	628.5		
Geosciences (GEO)	702.8	744.8	744.8		
Earth Sciences	140.1	152.3	152.3		
Ocean Sciences	288.2	307.1	307.1		
<i>Atmospheric Sciences</i>	216.1	226.8	226.8		
NCAR	82.2	85.7	85.7		
Mathematical & Physical Sciences (MPS)	1,085.4	1,150.3	1,150.3		
Astronomical Sciences	199.6	215.1	215.1		
Social, Behavioral & Economic Sciences	199.9	213.7	213.7		
U.S. Polar Programs	322.7	370.6	370.6	386.9	
U.S. Antarctic Logistical Support Activities	66.7	67.5	67.5		
Integrative Activities	137.1	131.4	131.4		
Major Research Instrumentation	88.4	90.0	90.0		
Total, Research & Related Activities	4,331.5	4,665.9	4,665.9	4,646.4	4,764.7 (includes \$98.7M for EPSCOR)
Education & Human Resources	796.7	816.2	832.4	835.7	698.0 (minus \$98.7M for EPSCOR)
Major Research Equipment & Facilities Construction	190.9	240.4	237.25	237.25	190.9
TOTAL, NSF	5,581.2	6,020.2	6,020.0	5,991.6	5,915.6

Major Research Equipment and Facilities Construction (MREFC) Account:

Project	FY 2006 Final	FY 2007 Request	House	Senate	Joint Resolution
Ongoing Projects					
Atacama Large Millimeter Array (ALMA)	45.1	47.9	47.9	47.9	
EarthScope	46.4	27.4	27.4	27.4	
IceCube Neutrino Detector	46.2	28.6	28.6	28.6	
Scientific Ocean Drilling Vessel	53.1	42.9	42.9	42.9	
South Pole Modernization		9.1	9.1	9.1	
New Starts					
Alaska Region Research Vessel	n/a	56.0	56.0	56.0	
NEON	n/a	12.0	11.8	12.0	
Ocean Observatories Initiative	n/a	13.5	13.5	13.5	

Education and Human Resources:

Program	FY 2006 Final	FY 2007 Request	House	Senate	Joint Resolution
Human Resource Development	118.1	143.8	143.8	147.2	
EPSCoR	98.7	100.0	105.0	110.0	
Research on Learning in Formal & Informal Settings♠	215.2	215.0	215.0	215.0	
Undergraduate Education	211.7	196.8	212.8	200.8	
NSDL	15.0	15.5	15.5	15.5	
Math & Science Partnerships Program	62.8	45.7	46.0	46.0	
Graduate Education	153.0	160.6	160.6	162.9	
Historically Black Colleges and Universities Undergraduates Program	25.2	29.7	30.0	32.0	

♠ Research on Learning in Formal & Informal Settings merges the former Elementary, Secondary and Informal Education division and the Research, Evaluation and Communication division.

Detail on [House Joint Resolution \(1/31/07\)](#):

The long wait for a resolution of the FY 2007 appropriations bills begins to unfold this week as the U.S. House of Representatives passed a year-long funding resolution. The resolution provides funding for federal agencies and programs funded in nine of the 11 annual appropriations bills. It totals \$463.5 billion, which is the amount remaining under the budget resolution following the enactment of the Department of Defense Appropriations Act and the Department of Homeland Security Appropriations Act.

The resolution uses the FY 2006 enacted funding level as the base level of funding, and makes adjustments in some areas to fund high priority needs, including several priorities of the research and education communities. There are no Congressionally directed earmarks included in the resolution, but the funding used for earmarks in FY 2006 has been retained by many agencies.

The National Science Foundation would receive its requested increase of \$335 million for its research account (Research and Related Activities) for a total of \$4.7 billion in FY 2007, an 8 percent increase over the FY 2006 level. Overall, NSF would receive \$5.92 billion, an increase of 6 percent over FY 2006. According to the House Appropriations Committee, this represents a down payment towards enhancing U.S. global competitiveness by investing in basic research. This increase comes on the heels of a substantial and persistent advocacy effort on the part of the research community and industry. NSF's other major programmatic accounts -- Education and Human Resources (which funds K-12, undergraduate, and graduate education programs) and the Major Research Equipment and Facilities Construction account (which supports the construction and acquisition of unique national research platforms) are to be funded at the FY 2006 enacted level.

Detail on Senate Mark (7/13/06):

On Thursday, July 13, the full Senate Appropriations Committee marked up and reported out the Commerce-Justice-Science Appropriations bill for FY 2007. Included in this appropriations bill is funding for the National Science Foundation (NSF). The Committee fully funds the President's request for the American Competitiveness Initiative (ACI) for the NSF and the National Institute for Standards and Technology (NIST).

For NSF, the Committee is recommending \$5.99 billion, which is 7.4% or \$410.5 million above last year's level and \$28.3 million below the request (and the House level) of \$6.02 billion. For NSF's Research and Related Activities, the Committee is recommending \$4.646 billion – 7.3% or \$314.9 million above last year's level and \$19.5 million below the request and the House passed level. Within this amount, the Committee has provided the \$50.7 million request for National Radio Astronomy Observatory operations.

For NSF's Major Research Equipment and Facilities Construction (MREFC) account, the Committee is recommending \$237.3 million – the same level as recommended by the House and \$3 million below the request. The Committee's recommendation provides the budget request for the ongoing MREFC projects including the Atacama Large Millimeter Array (ALMA) project, Earthscope, the IceCube Neutrino Observatory, the Scientific Ocean Drilling project, and South Pole Station modernization. The Committee's recommendation also provides the request for three new starts – including the

Alaska Region Research Vessel, the Ocean Observatories Initiative; and the National Ecological Observatory Network. Like the House, the Committee did not include the \$3 million requested to reimburse the Department of Justice judgment fund.

For Education and Human Resources, the Committee is providing \$835.8 million, which is 5% or \$39 million above last year's level and \$19.5 million above the request. The additional funds are to augment minority institution programs including the Louis Stokes Alliances for Minority Participation, the "tech talent" undergraduate program, and the Experimental Program to Stimulate Competitive Research. EPSCOR is to be funded at \$110 million - \$10 million more than the request.

Detail on House Mark (6/21/06):

Yesterday, the House Appropriations Committee approved the FY 07 Science, State, Justice, Commerce and Related Agencies bill, which includes funding for NSF. NSF was fully funded at the request. Chairman of the subcommittee, Frank Wolf (R-VA) was pleased to fully fund the President's American Competitive Initiative (ACI). The committee report states that the boost is intended as the "first year of a ten-year doubling of the Federal investment in innovation-enabling research supporting high-leverage fields of physical science and engineering."

The House did not provide specific funding levels for the directorates within NSF's Research and Related Account, but states that the committee must be notified "if there are any deviations from the allocations proposed in the President's budget request..."

The Committee directs the National Science Board to create a new Commission on 21st Century in STEM. This Commission will "develop a national action plan to address known K-12 problems; propose practical and affordable solutions; act as a catalyst for concerted action by the appropriate Federal agencies; and identify the explicit role of NSF in the context of the larger, national education system."

Detail on President's FY07 Request:

The FY 2007 budget request for the National Science Foundation (NSF) would provide a total of \$6 billion to support NSF's research and education activities. This represents an increase of 7.9 percent or \$439 million over the FY 2006 level. The NSF budget request is one of the three major components of the President's American Competitiveness Initiative outlined in the State of the Union Address in late January of this year.

Research and Related Activities. Within this \$6 billion budget, \$4.67 billion is slated for Research and Related Activities, an increase of 7.7 percent or \$334 million. Within the Research and Related Activities, the Office of Cyberinfrastructure is slated to grow by 44 percent or \$55 million as part of an NSF-wide cyberinfrastructure initiative.

Computer and Information Science and Engineering is slated to grow by 6.1 percent; Engineering would grow by 8.2 percent; the Geosciences and the Mathematical and Physical Sciences (MPS) directorates would each grow by 6 percent; and the Biological Sciences would grow by 5.4 percent. Within the MPS directorate, mathematics would grow by 3.2 percent and astronomy would grow by 7.7 percent. In the Geosciences, overall support for the atmospheric sciences would grow by 5 percent with a 4.2 percent increase slated for the National Center for Atmospheric Research, and the Ocean

Sciences would grow by 6.5 percent. NSF's Major Research Instrumentation program -- the program that helps institutions acquire research instrumentation in the \$500,000 to \$2 million range -- is slated to be funded at \$90 million, a 2 percent increase over last year's level.

Education and Human Resources. The NSF's Education and Human Resources program would grow by 2.5 percent or \$20 million to a level of \$816.2 million. The directorate is undergoing a significant reorganization through the merger of its K-12 programs with its division of research, evaluation and communication. As a result, NSF's K-12 programs continue to decline as in previous years as evidenced by the \$14 million reduction in the Math and Science Partnership program, which is being transferred to the Department of Education. A new Discovery Research K-12 (DRK-12) program will be started with the remaining K-12 funding. This new program is designed to strengthen K-12 science, technology, engineering and mathematics education by supporting research to advance understanding in a three major areas: assessments; teaching and learning; and introducing cutting-edge discoveries into K-12 classrooms.

NSF support for undergraduate education would decline by 7 percent; the National Science Digital Library (NSDL) program would increase to \$15.52 million, a \$500,000 increase over the FY 2006 level, while Graduate Education would grow by nearly 5 percent. Programs that attempt to attract women, minorities, and others underrepresented in science and engineering would grow by almost 22 percent.

Major Research Equipment and Facilities Construction. The Major Research Equipment and Facilities Construction (MREFC) account -- the account used to finance the construction and acquisition of state-of-the-art unique research platforms -- would grow by 26 percent or \$50 million to a level of \$240.5 million. Within the MREFC account, funding is provided for the start of two new major projects: the Alaska Region Research Vessel (ARRV) and the Ocean Observatories Initiative (OOI). Both of these projects are related to the Administration's 2004 U.S. Ocean Action Plan, developed in response to the U.S. Commission on Ocean Policy. The National Ecological Observatory Network (NEON), which had been funded in previous years from within the biological sciences directorate, is proposed to be funded at the \$12 million level from within this account.