

ARRA R&D in the National Science Foundation
(millions of dollars)



	FY 2009 Estimate	ARRA Authorized	ARRA Awarded
1. Research and Related Activities (R&RA)			
Mathematical and Physical Sciences (MPS)			
Astronomical Sciences (AST)	229	86	80
Chemistry (CHE)	211	103	92
Materials Research (DMR)	282	107	90
Mathematical Sciences (DMS)	226	98	94
Physics (PHY)	274	96	100
Office of Multidisciplinary Activities (OMA)	33	0	0
Total MPS	1256	490	455
Engineering (ENG)			
Chemical, Bioeng, Env & Transport (CBET)	146	60	70
Civil, Mechanical & Manufacturing Innov (CMMI)	175	58	59
Electrical, Communications & Cyber Sys (ECCS)	87	46	42
Industrial Innovation Partnerships (IIP)	141	55	54
<i>SBIR/ STTR</i>	119	50	
Engineering Education & Centers (EEC)	117	32	27
Emerging Frontiers in Reseach Innov (EFRI)	26	14	14
Total ENG	693	265	266
Biological Sciences (BIO)			
Molecular and Cellular Biosciences (MCB)	121	60	62
Integrative Organismal Systems (IOS)	212	60	61
Environmental Biology (DEB)	120	70	65
Biological Infrastructure (DBI)	117	20	51
Emerging Frontiers (EF)	86	50	25
Total BIO	656	260	263
Geosciences (GEO)			
Atmospheric Sciences (ATM)	245	68	82
Earth Sciences (EAR)	171	85	97
Innov & Collab Education & Research (ICER)	61	80	8
Ocean Sciences (OCE)	330	114	95
Total GEO	807	347	282
Computer and Information Science and Engineering (CISE)			
Computing & Communication Foundations (CCF)	157	42	34
Computer & Network Systems (CNS)	188	93	132
Information & Intelligent Systems (IIS)	150	61	63
Information Technology Research (ITR)	78	40	0
Total CISE	574	235	228
Office of Cyberinfrastructure (OCI)	199	80	72
Social, Behavioral, and Economic Sciences (SBE)			
Behavioral & Cognitive Sciences (BCS)	89	43	45
Social & Economic Sciences (SES)	95	42	35
Science Resources Statistics (SRS)	39	0	0
Office of Multidisciplinary Activities (OMA)	18	0	0
Total SBE	240	85	81

(continued)

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Office of International Science & Engineering (OISE)	44	14	12
US Polar Programs (OPP)			
Arctic Sciences (ARC)	98	92	85
Antarctic Sciences (ANT)	65	67	59
Antarctic Infrastructure & Logistics (AIL)	247	16	0
Polar Environment, Safety & Health (PEHS)	6	0	0
U.S. Coast Guard Polar Icebreaking Support	54	0	0
Total OPP	471	174	144
Integrative Activities (OIA)	241	550	34
<i>Academic Research Infrastructure (ARI)</i>	0	200	
<i>EPSCoR</i>	133	50	30
<i>Major Research Instrumentation (MRI)</i>	100	300	
<i>Other</i>	0	0	4
Arctic Research Commission (USARC)	2	0	0
Total R&RA	5,183	2,500	1,836
2. Major Research Equipment & Facilities (MREFC)	152	400	254
<i>Alaska Region Research Vessel (ARRV)</i>			148
<i>Ocean Observatories Initiative (OOI)</i>			106
3. Education & Human Resources (EHR)			
Research on Learning in Formal and Informal Settings (DRL)	227	0	2
Undergraduate Education (DUE)	283	85	82
Graduate Education (DGE)	182	15	18
Human Resource Development (HRD)	154	0	7
Total EHR	845	100	109
4. Agency Ops & Award Mgmt	282	0	0
5. National Science Board	4	0	0
6. Inspector General	12	2	0
Total NSF Budget	6,478	3,002	2,198
<i>Deduct non-R&D Activities</i>			
<i>R&RA non-R&D</i>	-569	0	0
<i>EHR non-R&D</i>	-779	-100	-109
<i>Agency Ops & Award Mngmt</i>	-282	0	0
<i>National Science Board</i>	-4	0	0
<i>Inspector General</i>	-12	-2	0
Total NSF R&D	4,832	2,900	2,090
Conduct of R&D	4,430	2,000	1,836
R&D Facilities	402	900	254

Source: NSF budget justification, Quantitative Data Tables, and NSF online awards database.
All figures rounded to the nearest million.
Includes R&D and non-R&D components.

December 3, 2009