

**National Science Foundation
Research Infrastructure Summary
FY 2010 Budget Request to Congress**

(Dollars in Millions)

	FY 2008 Actual	FY 2009 Current Plan	FY 2009 ARRA Estimate	FY 2010 Request	FY 2010 Request change over:			
					FY 2008 Actual		FY 2009 Current Plan	
					Amount	Percent	Amount	Percent
Academic Research Fleet	\$75.28	\$98.68	\$18.00	\$87.58	\$12.30	16.3%	-\$11.10	-11.2%
Regional Class Research Vessels	-	0.10	-	2.00	2.00	N/A	1.90	1900.0%
RHOV Construction (R/V Alvin Replacement)	-	-	3.00	5.00	5.00	N/A	5.00	N/A
R/V Langseth Construction (R/V Ewing Replacement)	1.60	-	-	-	-1.60	-100.0%	-	N/A
Ship Operations and Upgrades	73.68	98.58	15.00	80.58	6.90	9.4%	-18.00	-18.3%
Academic Research Infrastructure	-	-	200.00	-	-	N/A	-	N/A
Cornell Electron Storage Ring (CESR)	14.11	10.50	7.80	6.60	-7.51	-53.2%	-3.90	-37.1%
Cornell High Energy Synchrotron Source (CHESS)	5.60	2.51	7.20	6.67	1.07	19.1%	4.16	165.7%
EarthScope: USArray, SAFOD, PBO ¹	19.21	24.31	4.00	25.05	5.84	30.4%	0.74	3.0%
Gemini Observatory	18.69	18.71	-	19.10	0.41	2.2%	0.39	2.1%
Incorporated Research Institutions for Seismology	11.75	12.00	2.33	12.36	0.61	5.2%	0.36	3.0%
Integrated Ocean Drilling Program ²	37.41	43.41	25.00	43.41	6.00	16.1%	-	-
Large Hadron Collider	18.00	18.00	-	18.00	-	-	-	-
Laser Interferometer Gravitational Wave Observatory	29.50	30.30	-	28.50	-1.00	-3.4%	-1.80	-5.9%
Major Research Equipment & Facilities Construction ³	192.91	184.78	403.10	145.99	-46.92	-24.3%	-38.79	-21.0%
Major Research Instrumentation	93.87	100.00	300.00	100.00	6.13	6.5%	-	-
National Astronomy & Ionosphere Center	12.75	11.60	3.10	11.40	-1.35	-10.6%	-0.20	-1.7%
National Center for Atmospheric Research	89.07	106.92	13.20	100.00	10.93	12.3%	-6.92	-6.5%
National High Magnetic Field Laboratory	27.75	26.50	20.00	31.95	4.20	15.1%	5.45	20.6%
National Nanotechnology Infrastructure Network (NNIN)	14.13	16.26	10.00	16.26	2.13	15.1%	-	-
National Optical Astronomy Observatories	28.60	29.58	5.60	32.50	3.90	13.7%	2.92	9.9%
National Radio Astronomy Observatories ⁴	52.74	60.79	5.40	67.09	14.35	27.2%	6.30	10.4%
National Stem Education Distributed Learning	15.92	16.50	-	16.25	0.33	2.0%	-0.25	-1.5%
National Solar Observatory	8.21	8.23	1.40	9.10	0.89	10.8%	0.87	10.6%
National Superconducting Cyclotron Laboratory	19.25	20.50	2.00	21.00	1.75	9.1%	0.50	2.4%
Network for Earthquake Engineering Simulation	19.38	21.82	-	22.00	2.62	13.5%	0.18	0.8%
Polar Environment, Health & Safety	5.91	6.29	-	7.20	1.29	21.8%	0.91	14.5%
Polar Facilities and Logistics ⁵	328.94	342.18	22.50	374.35	45.41	13.8%	32.17	9.4%
Research Resources ⁶	257.02	258.68	68.27	298.49	41.47	16.1%	39.81	15.4%
Science and Technology Policy Institute	-	3.04	-	3.04	3.04	N/A	-	-
Science Resources Statistics	28.30	38.15	-	34.22	5.92	20.9%	-3.93	-10.3%
Networking & Computational Resources Infrastructure & Services ⁷	151.25	157.00	17.00	156.65	5.40	3.6%	-0.35	-0.2%
Other Facilities ⁸	8.45	6.30	5.00	6.65	-1.80	-21.3%	0.35	5.6%
Subtotal, Research Infrastructure Support	\$1,584.01	\$1,673.54	\$1,140.90	\$1,701.41	\$117.40	7.4%	\$27.87	1.7%
Research Infrastructure Stewardship Offset	-\$0.25	-\$0.27	-	-\$0.27	-\$0.02	6.0%	-	-
RESEARCH INFRASTRUCTURE TOTAL	\$1,583.76	\$1,673.27	\$1,140.90	\$1,701.14	\$117.38	7.4%	\$27.87	1.7%

Totals may not add due to rounding.

¹ EarthScope funding includes support provided through the R&RA account for operations and maintenance of the facility. Support provided through the MREFC account for the construction of the project, totaling \$4.21 million in FY 2008, is included in the MREFC projects line.

² Funding for the Integrated Ocean Drilling Program (IODP) includes support for the continued phase-out of program and contract activities for the Ocean Drilling Program (ODP), predecessor to the IODP. This line also includes support for the operations and maintenance of the Scientific Ocean Drilling Vessel (SODV). Final MREFC support for the SODV, totaling \$24,000 in FY 2008, is included on the MREFC projects line.

³ Funding levels for MREFC projects in this table include support for concept and development associated with these projects provided through the R&RA account, specifically for NEON, OOI, and ATST, initial support for operations and maintenance provided through the R&RA account, and implementation support provided through the MREFC account. Final MREFC support for EarthScope, SODV and SPSM is also included in this line.

⁴ Funding for the National Radio Astronomy Observatory (NRAO) includes operation and maintenance support for the Atacama Large Millimeter Array (ALMA). Construction funding for ALMA is included in the MREFC projects line above.

⁵ Polar Facilities and Logistics includes support for the operations and maintenance of the South Pole Station Modernization (SPSM) project. Funds provided through the MREFC account for SPSM, totaling \$7.57 million in FY 2008, are included in the MREFC projects line.

⁶ Funding for Research Resources includes support for the operation and maintenance of minor facilities, infrastructure and instrumentation, field stations, museum collections, etc.

⁷ Networking & Computational Resources Infrastructure & Services is the new name for Shared Cyberinfrastructure Tools. Several programs formerly included in Shared Cyberinfrastructure Tools have been reclassified as Disciplinary and Interdisciplinary Research.

⁸ Other Facilities includes support for other physics and materials research facilities.