

**National Science Foundation  
Research Infrastructure Summary  
FY 2013 Request to Congress**

(Dollars in Millions)

	FY 2011 Actual	FY 2012 Estimate	FY 2013 Request	FY 2013 Request change over:			
				FY 2011 Actual		FY 2012 Estimate	
				Amount	Percent	Amount	Percent
<b>Facilities</b>	<b>\$843.66</b>	<b>\$910.91</b>	<b>\$927.76</b>	<b>\$84.10</b>	<b>10.0%</b>	<b>\$16.86</b>	<b>1.9%</b>
Academic Research Fleet	81.67	78.75	73.00	-8.67	-10.6%	-5.75	-7.3%
<i>Regional Class Research Vessels<sup>1</sup></i>	-	2.00	1.00	1.00	N/A	-1.00	-50.0%
<i>RHOV Construction (R/V Alvin Replacement)</i>	8.00	2.40	-	-8.00	-100.0%	-2.40	-100.0%
<i>R/V Langseth Construction (R/V Ewing Replacement)</i>	-	-	-	-	N/A	-	N/A
<i>Ship Operations and Upgrades</i>	73.67	74.35	72.00	-1.67	-2.3%	-2.35	-3.2%
Cornell High Energy Synchrotron Source (CHESS) \ Cornell Electron Storage Ring (CESR)	14.12	19.67	20.00	5.88	41.7%	0.33	1.7%
EarthScope: USArray, SAFOD, PBO	26.02	25.05	26.17	0.15	0.6%	1.12	4.5%
Gemini Observatory	19.50	22.07	18.15	-1.35	-6.9%	-3.92	-17.8%
IceCube Neutrino Observatory (IceCube)	6.90	6.90	6.90	-	-	-	-
Incorporated Research Institutions for Seismology	12.37	12.36	11.25	-1.12	-9.1%	-1.11	-9.0%
Integrated Ocean Drilling Program	53.35	44.40	38.90	-14.45	-27.1%	-5.50	-12.4%
Large Hadron Collider	18.00	18.00	18.00	-	-	-	-
Laser Interferometer Gravitational Wave Observatory	30.30	30.40	30.50	0.20	0.7%	0.10	0.3%
Arecibo Observatory (was National Astronomy & Ionosphere Center)	9.26	8.70	8.20	-1.06	-11.5%	-0.50	-5.7%
National High Magnetic Field Laboratory	32.68	25.80	31.75	-0.92	-2.8%	5.95	23.1%
National Nanotechnology Infrastructure Network (NNIN)	16.36	15.86	15.36	-1.00	-6.1%	-0.50	-3.2%
National Solar Observatory	9.10	9.10	8.00	-1.10	-12.1%	-1.10	-12.1%
National Superconducting Cyclotron Laboratory	21.50	21.50	21.50	-	-	-	-
Network for Earthquake Engineering Simulation	20.10	20.50	20.50	0.40	2.0%	-	-
Other Facilities <sup>2</sup>	4.86	2.52	2.66	-2.20	-45.2%	0.14	5.6%
Polar Facilities and Logistics <sup>3</sup>	297.54	295.79	297.51	-0.03	0.0%	1.72	0.6%
Other Facilities Investments					N/A		N/A
Major Research Equipment & Facilities Construction <sup>4</sup>	152.53	248.79	271.66	119.13	78.1%	22.88	9.2%
Pre-construction Planning <sup>1,5</sup>	17.50	4.75	7.75	-9.75	-55.7%	3.00	63.2%
<b>Federally Funded R&amp;D Centers</b>	<b>\$198.29</b>	<b>\$198.99</b>	<b>\$194.85</b>	<b>-\$3.441</b>	<b>-1.7%</b>	<b>-\$4.14</b>	<b>-2.1%</b>
National Center for Atmospheric Research	98.10	98.60	92.29	-5.81	-5.9%	-6.31	-6.4%
National Optical Astronomy Observatories	29.50	25.50	25.50	-4.00	-13.6%	-	-
National Radio Astronomy Observatories <sup>6</sup>	67.65	71.75	73.92	6.27	9.3%	2.17	3.0%
Science and Technology Policy Institute	3.04	3.14	3.14	0.10	3.3%	-	-
<b>Other Research Instrumentation and Infrastructure</b>	<b>\$630.90</b>	<b>\$488.77</b>	<b>\$495.24</b>	<b>-\$135.66</b>	<b>-21.5%</b>	<b>\$6.47</b>	<b>1.3%</b>
Major Research Instrumentation	89.99	90.00	90.00	0.01	0.0%	-	-
National Stem Education Distributed Learning	9.75	-	-	-9.75	-100.0%	-	N/A
Networking & Computational Resources Infrastructure & Services	221.35	116.56	117.00	-104.35	-47.1%	0.44	0.4%
Polar Environment, Health & Safety	6.26	6.37	6.92	0.66	10.5%	0.55	8.6%
Research Resources <sup>7</sup>	268.64	240.24	247.06	-21.58	-8.0%	6.82	2.8%
National Center for Science & Engineering Statistics	29.46	29.65	29.31	-0.15	-0.5%	-0.34	-1.1%
NCSES Science of Science & Innovation Policy Activities	5.45	5.95	4.95	-0.50	-9.2%	-1.00	-16.8%
<b>Subtotal, Research Infrastructure Support</b>	<b>\$1,672.85</b>	<b>\$1,598.67</b>	<b>\$1,617.85</b>	<b>-\$55.00</b>	<b>-3.3%</b>	<b>\$19.18</b>	<b>1.2%</b>
<b>Research Infrastructure Stewardship Offset</b>	<b>-\$0.31</b>	<b>-</b>	<b>-</b>	<b>\$0.31</b>	<b>-100.0%</b>	<b>-</b>	<b>N/A</b>
<b>RESEARCH INFRASTRUCTURE TOTAL</b>	<b>\$1,672.54</b>	<b>\$1,598.67</b>	<b>\$1,617.85</b>	<b>-\$54.69</b>	<b>-3.3%</b>	<b>\$19.18</b>	<b>1.2%</b>

Totals may not add due to rounding.

<sup>1</sup> Regional Class Research Vessels are a Pre-construction Planning project for potential MREFC funding. This funding is shown here (Academic Research Fleet) and is not included in the Pre-construction Planning line.

<sup>2</sup> Other Facilities includes support for other physics and materials research facilities.

<sup>3</sup> Polar Facilities and Logistics funding includes support for the operations and maintenance of the South Pole Station Modernization (SPSM) project. Polar Facilities and Logistics excludes a one-time appropriation transfer of \$53.892 million, \$54.0 million less 0.2% rescission, to U.S. Coast Guard per P.L. 112-10.

<sup>4</sup> Funding levels for MREFC Projects in this table include support for: a) concept and development associated with ongoing and requested MREFC projects provided through the R&RA account, specifically for NEON; b) initial support for operations and maintenance provided through the R&RA account (except for ALMA, which is included in the funding for NRAO); and c) implementation support provided through the MREFC account.

<sup>5</sup> Preconstruction planning includes funding for potential next generation multi-user facilities. Not included in this line are Regional Class Research Vessels, shown here under the Academic Research Fleet.

<sup>6</sup> 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.

<sup>7</sup> Funding for Research Resources includes support for the operation and maintenance of minor facilities, infrastructure and instrumentation, field stations, museum collections, etc.