

Summary Tables

**National Science Foundation  
Research Infrastructure Summary  
FY 2014 Request to Congress**

(Dollars in Millions)

	FY 2012 Enacted/ Annualized FY 2012 Actual	FY 2013 CR	FY 2014 Request	FY 2014 Request change over:			
				FY 2012 Actual		FY 2012 Enacted	
				Amount	Percent	Amount	Percent
<b>Facilities</b>	<b>\$912.50</b>	<b>\$897.26</b>	<b>\$1,006.28</b>	<b>\$93.78</b>	<b>10.3%</b>	<b>\$109.02</b>	<b>12.2%</b>
Academic Research Fleet	92.96	78.75	86.00	-6.96	-7.5%	7.25	9.2%
<i>Regional Class Research Vessels (RCRV)<sup>1</sup></i>	-	2.00	1.00	1.00	N/A	-1.00	-50.0%
<i>RHOV Construction (R/V Alvin Replacement)</i>	5.08	2.40	-	-5.08	-100.0%	-2.40	-100.0%
<i>Ship Operations and Upgrades</i>	87.89	74.35	85.00	-2.89	-3.3%	10.65	14.3%
Arecibo Observatory	9.25	8.70	8.00	-1.25	-13.6%	-0.70	-8.0%
AST Portfolio Review Implementation	-	-	10.00	10.00	N/A	10.00	N/A
Cornell High Energy Synchrotron Source (CHESS)	19.67	19.67	20.00	0.33	1.7%	0.33	1.7%
Gemini Observatory	21.57	22.07	19.59	-1.98	-9.2%	-2.48	-11.2%
Geodetic Facilities for the Advancement of Geoscience and EarthScope (GAGE)	11.92	13.18	12.70	0.78	6.6%	-0.48	-3.6%
IceCube Neutrino Observatory (IceCube)	6.90	6.90	6.90	-	-	-	-
International Ocean Discovery Program (IODP)	51.68	44.40	50.00	-1.68	-3.2%	5.60	12.6%
Large Hadron Collider (LHC)	18.00	18.00	18.00	-	-	-	-
Laser Interferometer Gravitational Wave Observatory (LIGO)	30.40	30.40	39.50	9.10	29.9%	9.10	29.9%
National High Magnetic Field Laboratory (NHMFL)	26.80	25.80	32.64	5.84	21.8%	6.84	26.5%
National Nanotechnology Infrastructure Network (NNIN)	16.00	15.86	15.46	-0.54	-3.4%	-0.40	-2.5%
National Solar Observatory (NSO)	9.10	9.10	8.00	-1.10	-12.1%	-1.10	-12.1%
National Superconducting Cyclotron Laboratory (NSCL)	21.50	21.50	22.50	1.00	4.7%	1.00	4.7%
Network for Earthquake Engineering Simulation (NEES)	20.39	20.50	22.00	1.61	7.9%	1.50	7.3%
Other Facilities <sup>2</sup>	2.52	2.52	2.66	0.14	5.7%	0.14	5.6%
Polar Facilities and Logistics	294.63	295.79	314.21	19.58	6.6%	18.42	6.2%
Seismological Facilities for Advancement of Geoscience & EarthScope (SAGE)	26.12	26.76	25.70	-0.42	-1.6%	-1.06	-4.0%
Other Facilities Investments							
Major Research Equipment & Facilities Construction <sup>3</sup>	226.88	225.86	285.92	59.04	26.0%	60.06	26.6%
Pre-construction Planning <sup>4</sup>	6.20	11.50	6.50	0.30	4.8%	-5.00	-43.5%
<b>Federally Funded R&amp;D Centers</b>	<b>\$204.14</b>	<b>\$198.99</b>	<b>\$206.80</b>	<b>\$2.66</b>	<b>1.3%</b>	<b>\$7.81</b>	<b>3.9%</b>
National Center for Atmospheric Research (NCAR)	103.00	98.60	99.00	-4.00	-3.9%	0.40	0.4%
National Optical Astronomy Observatory (NOAO)	26.25	25.50	25.50	-0.75	-2.9%	-	-
National Radio Astronomy Observatories (NRAO) <sup>5</sup>	71.75	71.75	77.41	5.66	7.9%	5.66	7.9%
Science and Technology Policy Institute (STPI)	3.14	3.14	4.89	1.75	55.7%	1.75	55.7%
<b>Other Research Instrumentation and Infrastructure</b>	<b>\$575.58</b>	<b>\$486.49</b>	<b>\$523.49</b>	<b>-\$52.09</b>	<b>-9.0%</b>	<b>\$37.00</b>	<b>7.6%</b>
Major Research Instrumentation (MRI)	90.00	90.00	90.00	0.00	0.0%	-	-
National Center for Science & Engineering Statistics (NCSES)	30.64	29.65	36.31	5.67	18.5%	6.66	22.5%
NCSES Science of Science & Innovation Policy Activities	5.13	5.95	4.95	-0.18	-3.5%	-1.00	-16.8%
Networking & Computational Resources Infrastructure & Services	210.32	116.56	114.60	-95.72	-45.5%	-1.96	-1.7%
Polar Environment, Safety, and Health (PESH)	6.31	6.37	7.10	0.79	12.5%	0.73	11.5%
Research Resources <sup>6</sup>	233.18	237.96	270.53	37.35	16.0%	32.57	13.7%
<b>TOTAL, RESEARCH INFRASTRUCTURE</b>	<b>\$1,692.22</b>	<b>\$1,582.74</b>	<b>\$1,736.57</b>	<b>\$44.35</b>	<b>2.6%</b>	<b>\$153.83</b>	<b>9.7%</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 under Pre-construction Planning.

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

<sup>3</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; 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>4</sup> Pre-construction 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>5</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>6</sup> Funding for Research Resources includes support for the operation and maintenance of minor facilities, infrastructure and instrumentation, field stations, museum collections, etc.