

Summary Tables

**NATIONAL SCIENCE FOUNDATION
RESEARCH INFRASTRUCTURE SUMMARY
FY 2023 BUDGET REQUEST TO CONGRESS**
(Dollars in Millions)

	FY 2021				Change over	
	FY 2021 Actual	ARP Actual	FY 2022 (TBD)	FY 2023 Request	FY 2021 Amount	Actual Percent
Operations and Maintenance of Major Facilities¹	\$967.01	-	-	\$1,003.10	\$36.09	3.7%
Major Research Facilities Construction Investments	\$95.68	\$8.95	-	\$122.41	\$26.73	27.9%
Construction, Acquisition, and Commissioning (MREFC) ²	87.06	8.95	-	109.98	22.92	26.3%
Design Stage Activities ³	8.62	-	-	12.43	3.81	44.2%
Mid-scale Research Infrastructure⁴	\$167.48	-	-	\$180.19	\$12.71	7.6%
MREFC Mid-scale Research Infrastructure	74.04	-	-	76.25	2.21	3.0%
NSF-wide Mid-scale Research Infrastructure (R&RA)	32.45	-	-	50.00	17.55	54.1%
Directorate Midscale Research Infrastructure Programs	60.99	-	-	53.94	-7.05	-11.6%
Major Research Instrumentation (MRI)	\$76.06	-	-	\$75.00	-\$1.06	-1.4%
Polar Logistical and Infrastructure Support⁵	\$132.82	-	-	\$157.00	\$24.18	18.2%
CISE Netwrking & Computatnl Resrces Infrastrctre & Srvces (NCRIS)⁶	\$114.48	\$6.00	-	\$144.25	\$29.77	26.0%
Research Resources⁷	\$247.42	\$2.55	-	\$191.04	-\$56.38	-22.8%
BIO	62.89	-	-	53.76	-9.13	-14.5%
CISE	51.94	-	-	37.24	-14.70	-28.3%
GEO	85.96	2.29	-	70.06	-15.90	-18.5%
MPS	17.95	-	-	15.10	-2.85	-15.9%
SBE	20.68	0.26	-	9.59	-11.09	-53.6%
OPP	8.00	-	-	5.29	-2.71	-33.9%
Other Research Infrastructure	\$102.30	-	-	\$121.71	\$19.41	19.0%
Subtotal, Research Infrastructure Support	\$1,903.24	\$17.50	-	\$1,994.70	\$91.46	4.8%
Research Infrastructure Stewardship Offset	-1.50	-	-	-1.94	-0.44	29.1%
RESEARCH INFRASTRUCTURE TOTAL	\$1,901.74	\$17.50	-	\$1,992.76	\$91.02	4.8%

¹ For facility level detail on operations and maintenance, see the Major Facilities Overview within the NSF-wide Investments chapter.

² Construction, Acquisition, and Commissioning are for implementation support provided through the MREFC account. MREFC funding is included for the Antarctic Infrastructure Recapitalization (AIR) program, (\$3.86 million in FY 2021 and \$60.0 million in FY 2023); Vera C. Rubin Observatory (\$34.09 million in FY 2021 and \$15.0 million in FY 2023); the High Luminosity-Large Hadron Collider Upgrade (HL-LHC) (\$28.74 million in FY 2021 and \$33.0 million in FY 2023), Regional Class Research Vessels (RCRV) (\$10.98 million in FY 2021 and \$1.98 million in FY 2023) and Mid-scale Research Infrastructure (\$74.04 million in FY 2021 and \$76.25 million in FY 2023, shown on the MREFC Mid-scale RI line below). For more information, refer to the MREFC chapter.

³ Design Stage Activities include support for potential next generation multi-user facilities. This line reflects FY 2021 funding of \$7.0 million for the Leadership Class Computing Facility and \$1.62 million and \$12.43 million in FY 2021 and FY 2023 for the Antarctic Research Vessel (ARV).

⁴ NSF-wide Mid-scale Research Infrastructure is provided through both the R&RA account (if the total project cost is less than \$20.0 million) and the MREFC account (if the total project cost is greater than \$20.0 million).

⁵ Polar Logistical and Infrastructure Support includes funding for Arctic Logistics; U.S. Antarctic Logistical Support Activities (USALS); and Polar Environment, Health, and Safety (PEHS).

⁶ Funding for Networking and Computational Resources Infrastructure and Services (NCRIS) excludes support for the potential Leadership Class Computing Facility in FY 2021 (\$7.0 million), which is captured under Design Stage Activities above.

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