

QUANTITATIVE DATA TABLE

**National Science Foundation
Research and Development Special Analysis
(Dollars in Millions)**

	FY 2022 Actual ¹	FY 2023 Estimate Base	Disaster Relief Supplemental			FY 2023 Total	FY 2024 Request REVISED
			Base	CHIPS and Science	RI Damage Mitigation		
Investment Activities							
Conduct of Research and Development							
Basic Research.....	\$5,630.17	\$5,700.08	\$313.47	\$120.90	-	\$6,134.45	\$7,054.58
Applied Research.....	907.60	929.50	196.47	162.00	-	1,287.97	1,572.96
Subtotal, Conduct of R&D.....	6,537.77	6,629.58	509.94	282.90	-	7,422.42	8,627.54
Physical Assets							
Research and Development Facilities.....	141.17	207.24	0.46	-	2.50	210.20	339.53
Research and Development Major Equipment.....	301.72	303.98	41.55	-	-	345.53	339.06
Subtotal, R&D Facilities & Major Equipment.....	442.89	511.22	42.01	-	2.50	555.73	678.59
Total, Research and Development.....	6,980.66	7,140.80	551.95	282.90	2.50	7,978.15	9,306.13
Conduct of Education and Training.....	752.33	747.33	99.44	46.00	-	892.77	917.42
Non-Investment Activities.....	942.61	975.72	48.77	6.10	-	1,030.59	1,156.13
TOTAL.....	\$8,675.61	\$8,863.85	\$700.16	\$335.00	\$2.50	\$9,901.51	\$11,379.68

¹Excludes \$360.65 million provided by the American Rescue Plan supplemental appropriation.

QUANTITATIVE DATA TABLE
RESEARCH AND RELATED ACTIVITIES
Research and Development Special Analysis
(Dollars in Millions)

	FY 2022 Actual ¹	FY 2023 Estimate Base	Disaster Relief Supplemental			FY 2023 Total	FY 2024 Request REVISED
			Base	CHIPS and Science	RI Damage Mitigation		
Investment Activities							
Conduct of Research and Development							
Basic Research.....	\$5,455.54	\$5,499.76	\$313.47	\$100.90	-	\$5,914.13	\$6,772.56
Applied Research.....	594.61	587.41	196.47	107.00	-	890.88	1,119.80
Subtotal, Conduct of R&D.....	6,050.15	6,087.17	509.94	207.90	-	6,805.01	7,892.36
Physical Assets							
Research and Development Facilities.....	20.57	20.01	0.46	-	2.50	22.97	34.86
Research and Development Major Equipment.....	301.72	303.98	41.55	-	-	345.53	339.06
Subtotal, R&D Facilities & Major Equipment.....	322.29	323.99	42.01	-	2.50	368.50	373.92
Total, Research and Development.....	6,372.44	6,411.16	551.95	207.90	2.50	7,173.51	8,266.28
Conduct of Education and Training.....	148.59	166.10	7.44	-	-	173.54	196.98
Non-Investment Activities.....	443.63	428.88	48.77	2.10	-	479.75	554.64
TOTAL.....	\$6,964.66	\$7,006.14	\$608.16	\$210.00	\$2.50	\$7,826.80	\$9,017.90

¹Excludes \$277.11 million provided by the American Rescue Plan supplemental appropriation.

QUANTITATIVE DATA TABLE

STEM EDUCATION
Research and Development Special Analysis
(Dollars in Millions)

	FY 2022 Actual ¹	FY 2023 Estimate Base	Disaster Relief Supplemental			FY 2023 Total	FY 2024 Request REVISED
			Base	CHIPS and Science	RI Damage Mitigation		
Investment Activities							
Conduct of Research and Development							
Basic Research.....	\$174.63	\$188.32	-	\$20.00	-	\$208.32	\$270.02
Applied Research.....	312.99	336.09	-	55.00	-	391.09	448.16
Subtotal, Conduct of R&D.....	487.62	524.41	-	75.00	-	599.41	718.18
Physical Assets							
Research and Development Facilities.....	-	-	-	-	-	-	-
Research and Development Major Equipment.....	-	-	-	-	-	-	-
Subtotal, R&D Facilities & Major Equipment.....	-	-	-	-	-	-	-
Total, Research and Development.....	487.62	524.41	-	75.00	-	599.41	718.18
Conduct of Education and Training.....	603.74	574.23	92.00	46.00	-	712.23	712.44
Non-Investment Activities.....	55.36	55.36	-	4.00	-	59.36	65.56
TOTAL.....	\$1,146.72	\$1,154.00	\$92.00	\$125.00	-	\$1,371.00	\$1,496.18

¹Excludes \$37.01 million provided by the American Rescue Plan supplemental appropriation.

QUANTITATIVE DATA TABLE

MAJOR RESEARCH EQUIPMENT AND FACILITIES CONSTRUCTION

Research and Development Special Analysis

(Dollars in Millions)

	FY 2022 Actual ¹	FY 2023 Estimate Base	Disaster Relief Supplemental			FY 2023 Total	FY 2024 Request
			Base	CHIPS and Science	RI Damage Mitigation		
Investment Activities							
Conduct of Research and Development							
Basic Research.....	-	-	-	-	-	-	-
Applied Research.....	-	-	-	-	-	-	-
Subtotal, Conduct of R&D.....	-	-	-	-	-	-	-
Physical Assets							
Research and Development Facilities.....	120.60	187.23	-	-	-	187.23	304.67
Research and Development Major Equipment.....	-	-	-	-	-	-	-
Subtotal, R&D Facilities & Major Equipment.....	120.60	187.23	-	-	-	187.23	304.67
Total, Research and Development.....	120.60	187.23	-	-	-	187.23	304.67
Conduct of Education and Training.....	-	-	-	-	-	-	-
Non-Investment Activities.....	-	-	-	-	-	-	-
TOTAL.....	\$120.60	\$187.23	-	-	-	\$187.23	\$304.67

¹Excludes \$46.53 million provided by the American Rescue Plan supplemental appropriation and \$23.45 million provided by the "Extending Government Funding and Delivering Emergency Assistance Act", for necessary expenses related to RCRV construction impacted by Hurricane Ida.

**QUANTITATIVE DATA TABLE
 AGENCY OPERATIONS AND AWARD MANAGEMENT
 Research and Development Special Analysis**

(Dollars in Millions)

	FY 2022 Actual	FY 2023 Estimate Base	Disaster Relief Supplemental			FY 2023 Total	FY 2024 Request
			Base	CHIPS and Science	RI Damage Mitigation		
Investment Activities							
Conduct of Research and Development							
Basic Research.....	-	-	-	-	-	-	-
Applied Research.....	-	-	-	-	-	-	-
Subtotal, Conduct of R&D.....	-	-	-	-	-	-	-
Physical Assets							
Research and Development Facilities.....	-	-	-	-	-	-	-
Research and Development Major Equipment.....	-	-	-	-	-	-	-
Subtotal, R&D Facilities & Major Equipment.....	-	-	-	-	-	-	-
Total, Research and Development.....	-	-	-	-	-	-	-
Conduct of Education and Training.....	-	-	-	-	-	-	-
Non-Investment Activities.....	420.21	463.00	-	-	-	463.00	503.87
TOTAL.....	\$420.21	\$463.00	-	-	-	\$463.00	\$503.87

QUANTITATIVE DATA TABLE
OFFICE OF INSPECTOR GENERAL
Research and Development Special Analysis
(Dollars in Millions)

	FY 2022 Actual	FY 2023 Estimate Base	Disaster Relief Supplemental			FY 2023 Total	FY 2024 Request
			Base	CHIPS and Science	RI Damage Mitigation		
Investment Activities							
Conduct of Research and Development							
Basic Research.....	-	-	-	-	-	-	-
Applied Research.....	-	-	-	-	-	-	-
Subtotal, Conduct of R&D.....	-	-	-	-	-	-	-
Physical Assets							
Research and Development Facilities.....	-	-	-	-	-	-	-
Research and Development Major Equipment.....	-	-	-	-	-	-	-
Subtotal, R&D Facilities & Major Equipment.....	-	-	-	-	-	-	-
Total, Research and Development.....	-	-	-	-	-	-	-
Conduct of Education and Training.....	-	-	-	-	-	-	-
Non-Investment Activities.....	18.89	23.39	-	-	-	23.39	26.81
TOTAL.....	\$18.89	\$23.39	-	-	-	\$23.39	\$26.81

QUANTITATIVE DATA TABLE
OFFICE OF THE NATIONAL SCIENCE BOARD
Research and Development Special Analysis
(Dollars in Millions)

	FY 2022 Actual	FY 2023 Estimate Base	Disaster Relief Supplemental			FY 2023 Total	FY 2024 Request
			Base	CHIPS and Science	RI Damage Mitigation		
Investment Activities							
Conduct of Research and Development							
Basic Research.....	-	-	-	-	-	-	-
Applied Research.....	-	-	-	-	-	-	-
Subtotal, Conduct of R&D.....	-	-	-	-	-	-	-
Physical Assets							
Research and Development Facilities.....	-	-	-	-	-	-	-
Research and Development Major Equipment.....	-	-	-	-	-	-	-
Subtotal, R&D Facilities & Major Equipment.....	-	-	-	-	-	-	-
Total, Research and Development.....	-	-	-	-	-	-	-
Conduct of Education and Training.....	-	-	-	-	-	-	-
Non-Investment Activities.....	4.52	5.09	-	-	-	5.09	5.25
TOTAL.....	\$4.52	\$5.09	-	-	-	\$5.09	\$5.25

QUANTITATIVE DATA TABLE

**Creating Helpful Incentives to Produce Semiconductors (CHIPS) for American Workforce and Education
Research and Development Special Analysis**

(Dollars in Millions)

	FY 2022 Actual	FY 2023 Estimate Base	Disaster Relief Supplemental			FY 2023 Total	FY 2024 Request
			Base	CHIPS and Science	RI Damage Mitigation		
Investment Activities							
Conduct of Research and Development							
Basic Research.....	-	\$12.00	-	-	-	\$12.00	\$12.00
Applied Research.....	-	6.00	-	-	-	6.00	5.00
Subtotal, Conduct of R&D.....	-	18.00	-	-	-	18.00	17.00
Physical Assets							
Research and Development Facilities.....	-	-	-	-	-	-	-
Research and Development Major Equipment.....	-	-	-	-	-	-	-
Subtotal, R&D Facilities & Major Equipment.....	-	-	-	-	-	-	-
Total, Research and Development.....	-	18.00	-	-	-	18.00	17.00
Conduct of Education and Training.....	-	7.00	-	-	-	7.00	8.00
Non-Investment Activities.....	-	-	-	-	-	-	-
TOTAL.....	-	\$25.00	-	-	-	\$25.00	\$25.00