ADMINISTRATIVE SUPPORT $126,040,000
+$39,150,000 / 45.0%

FY 2022 funding for Administrative Support is $126.04 million, the third largest component of the Organizational Excellence portfolio. The activities that comprise this major component are: Space Rental, Operating Expenses, Building and Administrative Services, Other Program Related Administration, and Other Organizational Excellence Activities.

Administrative Support
(Dollars in Millions)

	FY 2020 Actual	FY 2021 Estimate	FY 2022 Request	Change over FY 2021 Estimate Amount	Change over FY 2021 Estimate Percent	Funding Source
Space Rental	$29.69	$30.81	$32.27	$1.46	4.7%	AOAM
Operating Expenses	18.68	21.63	41.69	20.06	92.8%	AOAM
Building & Administrative Services	15.01	16.42	26.89	10.47	63.8%	AOAM
Other Program Related Administration	2.41	6.45	6.45	-	-	R&RA/EHR
Other Organizational Excellence Activities	13.26	11.59	18.74	7.15	61.7%	R&RA
Total Administrative Support	**$79.05**	**$86.90**	**$126.04**	**$39.15**	**45.0%**	
Total AOAM	63.38	68.86	100.85	32.00	46.5%	
Total R&RA	15.67	17.21	24.27	7.06	41.0%	
Total EHR	-	0.83	0.92	0.09	10.8%	

Each activity within Administrative Support is addressed separately below.

Space Rental

Space Rental
(Dollars in Millions)

	FY 2020 Actual	FY 2021 Estimate	FY 2022 Request	Change over FY 2021 Estimate Amount	Change over FY 2021 Estimate Percent
Building Rental & Taxes	$23.31	$23.14	$25.38	$2.24	9.7%
Utilities	0.87	1.44	1.10	-0.34	-23.8%
Security	4.79	5.70	5.24	-0.46	-8.0%
Parking Rental (including parking credits)	0.72	0.53	0.55	0.02	3.7%
Total	**$29.69**	**$30.81**	**$32.27**	**$1.46**	**4.7%**

Space Rental includes services provided by the General Services Administration (GSA) related to rent and taxes, utilities, and security provided by the Department of Homeland Security. In addition, rent paid for the parking structure to the owner of the NSF headquarters building in Alexandria is included. Parking credit estimates are applied to the FY 2022 Request level.

In FY 2022, NSF will occupy over 700,000 square feet of space, primarily in one leased office building located in Alexandria, Virginia. The FY 2022 Request for Space Rental is $32.27 million, an increase of $1.46 million above the FY 2021 Estimate. Increased cleaning costs in accordance with GSA LA-20-06 guidelines and utilizing the latest Centers for Disease Control and Prevention recommendations for keeping a facility clean and for sanitizing an area after COVID-19 exposure, are anticipated to be applied to the lease and are offset by estimated decreases in utilities and security. Utilities and security cost estimates are

derived from historical billing and cost per square foot calculations provided by agency partners, with adjustments for inflation.

IT expenditures related to NSF's on-site Information Technology Data Center are included in the total FY 2022 Space Rental budget. These costs align to the TBM cost pool for "Facilities and Power". This activity is also referenced in the Information Technology narrative for transparency.

Operating Expenses

Operating Expenses
(Dollars in Millions)

	FY 2020 Actual	FY 2021 Estimate	FY 2022 Request	Change over FY 2021 Estimate Amount	Change over FY 2021 Estimate Percent
Distributed	$7.90	$8.03	$13.08	$5.05	62.9%
Establish New Directorate	-	-	5.00	5.00	N/A
Science & Security	-	-	5.00	5.00	N/A
Award Monitoring	4.82	5.29	7.32	2.03	38.4%
Financial Management	3.78	2.84	5.22	2.38	83.8%
Reporting & Other	2.17	4.47	5.07	0.60	13.4%
Renewing NSF	-	1.00	1.00	-	-
Total	**$18.68**	**$21.63**	**$41.69**	**$20.06**	**92.7%**

The FY 2022 Request for Operating Expenses is $41.69 million. NSF's Operating Expenses can be categorized into seven main activity areas that support the agency's operational and administrative needs and includes funding for supplies and equipment; the costs necessary to expand NSF's ability to accomplish its research and education mission; leadership activities centered around science and security; support for a wide variety of financial management, award monitoring, and agency reporting investments; and other activities focused on innovation and continuous organizational improvement. The total estimate for Operating Expenses reinforces NSF's commitment to organizational excellence and reflects NSF's prioritization to sustain current services levels in FY 2022, and expand beyond current services where appropriate, for critical business and operations activities to support scale up operations for a $10 billion agency, including all the attendant requirements necessary to establish the new directorate for Technology, Innovation, and Partnerships, and continuing and additional activities supportive of a post-COVID work environment.

The key activities funded by NSF's FY 2022 Request for Operating Expenses include:

Distributed ($13.08 million, +$5.05 million above the FY 2021 Estimate)
Distributed AOAM funds training, equipment, communications devices, and supplies for NSF's directorates and offices. This increased funding level allows NSF to fully support a regular FTE usage of 1,430 projected for FY 2022. This is consistent with the scale up of operations for a $10 billion agency, including establishment of the new directorate, and activities supportive of post pandemic operations.

Establish New Directorate ($5.0 million, +$5.0 million above the FY 2021 Estimate)
The creation of a new directorate for Technology, Innovation, and Partnerships will allow the agency to continue to support innovation across all disciplines of science and engineering, at the speed that is required in today's rapidly changing landscape, and to harness the amazing technological opportunities to produce another seven decades of amazing innovations. NSF is requesting $5.0 million in AOAM in FY 2022 to

stand up the new directorate. This includes modifying the full suite of NSF's systems to create the new organization, migrate activities from existing organizations to the new one, and establish new policies and procedures across all NSF operations activities. NSF also expects its partnerships with private industry to increase, and those partnerships will be more complex than those that are bounded within federal agencies. While NSF currently already does some of these, they will become a larger part of the portfolio both in terms of forming the partnerships, managing the awards, and in maintaining oversight.

Science and Security ($5.0 million, +$5.0 million above the FY 2021 Estimate)
This is a new FY 2022 investment for activities related to Science and Security. In March 2020 NSF created a new position of Chief of Research Security Strategy and Policy (CRSSP) as part of its continuing effort to ensure the security of federally funded research while maintaining open international collaboration. The CRSSP team was staffed through internal re-assignments of existing NSF personnel. In FY 2021 NSF plans to continue to refine the CRSSP team efforts and contractor support service capabilities. In FY 2022, NSF will build its analytic capabilities to proactively identify conflicts of commitment, vulnerabilities of pre-publication research, and risks to the merit review system. The effort will include a communication hub which will coordinate with grantee institutions on specific information identified by either NSF or the institutions. The hub will also provide critically important training and information for research communities on this topic. The CRSSP team will provide key topical support as NSF establishes new funding opportunities in partnership with academic institutions and private organizations to evaluate the structural, political, and international dynamics that contribute to research integrity and science and security issues. To ensure clear understanding of research security issues, and NSF disclosure requirements, as well as the tenets of beneficial international collaboration, the CRSSP team plans to develop training resources for its own program officers and grant management officials. The CRSSP team also plans to develop training resources for the external research community to ensure clear understanding of research security issues as well as recommended actions to mitigate risks.

Award Monitoring ($7.32 million, +$2.03 million above the FY 2021 Estimate)
This investment category supports activities related to award administration and stewardship of NSF's portfolio of STEM awards. Growth in FY 2022 supports the creation of the new directorate to include associated increases in areas such as award monitoring (pre and post) and small business pre-award reviews. In addition, increases are necessary to support mid-scale research infrastructure program monitoring and business system reviews to ensure NSF awardees are able to fulfill financial and related requirements. Activities supported under Award Monitoring include:
- Grant outreach, contract close-out, and oversight of major facilities including business systems reviews, portfolio risk assessment, NSF outreach activities and guidance document development. Also supported is the annual Large Facilities Workshop and associated Knowledge Sharing Gateway, which are used to coordinate the sharing of good practice and lessons learned, an agency priority related to statutory requirements under the American Innovation and Competitiveness Act (AICA).
- NSF's annual risk assessment, post-award monitoring desk reviews, post-award adjustment reviews, and documentation of the guidance and procedures for post-award monitoring and oversight processes. These advanced monitoring activities help ensure NSF awards are administered in compliance with federal regulations and NSF terms and conditions. Additionally, the results of the oversight activities are leveraged for the Financial Statement Audit and support agency efforts to manage risk and continually improve grant operations.
- Major facilities audit resolution support services which are procured by NSF in response to AICA audit requirements and enhanced major facilities oversight activities. Additionally, financial assistance award audit services support incurred cost audits, accounting system audits, estimating system audits, and special projects which provide NSF with information that assists in the negotiation, award, administration, repricing, and settlement of major facilities financial assistance awards.
- The congressionally-mandated Committee on Equal Opportunities in Science and Engineering

(CEOSE) activity. This covers contractor services and meeting support for CEOSE, an NSF advisory committee that provides advice on policies and programs to broaden participation of women, minorities, and persons with disabilities.

<u>Financial Management ($5.22 million, +$2.38 million above the FY 2021 Estimate)</u>
Investments in this category support NSF's financial policy and reporting activities. The FY 2022 Request will provide additional financial support as we increase the scale and complexity of our financial reporting model, transactions, and financial monitoring as NSF itself increases similarly. Financial Management activities include:

- Contract staff support in BFA's Division of Financial Management (DFM) to aid in accounting operations; financial statements and external report submission; grant financial monitoring; NSF property reporting; financial systems support and internal reporting; and audit deficiencies resolution assistance. This contract support enables NSF to meet its federal financial reporting requirements and audit requirements.
- NSF's non-IT activities related to G-Invoicing, such as reconciling intragovernmental balances with federal trading partners, resolving differences between agencies, redesigning the Interagency Agreement processes and controls NSF-wide, and transitioning to Treasury's G-Invoicing system. This activity directly supports Treasury's mandate to convert all intragovernmental transactions to G-Invoicing to resolve the significant, long-standing government audit issue.
- The Data Analytics Assurance Program (DAAP) which provides internal control support to improve mission delivery and the accountability and effectiveness of NSF's federal programs and operations by establishing, assessing, correcting, and reporting on internal control through innovative uses of data analytics technology. Also provides enterprise risk management support for emerging mission risks such as long-term pandemic impacts related to grants oversight, monitoring, and improper payments.

<u>Reporting and Other ($5.07 million, +$600,000 above the FY 2021 Estimate)</u>
This investment category supports a wide range of reporting and other activities. The FY 2022 Request will provide additional support as our reporting models increase in scale and complexity; develop contract writing system requirements to include integration with accounting and business systems and address the increased need for data analytics. Investments in this category include activities such as:

- The Automated Acquisition Management Solution (AAMS), NSF's system for contract writing/E-procurement. This investment includes licensing, subscription services, deskside support, and training of new users while NSF works through the procurement process for a new contract writing system to better meet mission needs.
- Systems and related data analysis to continue to respond to evolving information needs to provide accurate, consistent information on financial data, funding rate, award size, and other statistics to NSF staff and the public. This information is disseminated via NSF's Enterprise Information System, the Budget Internet Information System, and other reporting mechanisms. These activities support federal efforts to manage data as a strategic asset. Further, the requested funding level will enable NSF to better ensure Section 508 compliance and accessibility and provide for increased budget formulation capabilities beyond that which would be funded at a current services level.
- Simplified acquisitions which include purchase card program oversight, contract execution, and database management. Support for oversight of the purchase card program will be supplemented with purchase card rebates, reducing the total costs to be paid from NSF's AOAM account.
- NSF-wide implementation of changes associated the Program Management Improvement Accountability Act (PMIAA) and recommendations resulting from the Gap analysis conducted across FY 2020 and FY 2021.
- Unique Entity Identifier implementation activities to support the government-wide transition from using the DUNS number to uniquely identify entities registered in the System for Award Management (SAM) to do business with the federal government to using the SAM-generated unique entity identifier

(unique entity ID or UEI). The Office of Management and Budget (OMB) directed federal agencies to finalize their transition by April 2022.

- Reasonable accommodations that NSF is responsible for providing to persons with disabilities, including NSF employees, applicants, and those conducting business at NSF. Activities supported assist with maintaining NSF's model Equal Employment Opportunity status; not providing accommodations could be viewed as discrimination according to Sections 501 and 505 of the Rehabilitation Act of 1973.
- An interagency agreement with the Department of Interior's Business Center (IBC) for the negotiation and issuance of indirect cost rates for several organizations for which NSF is the cognizant agency.
- Project management support to plan, coordinate, and execute NSF activities in connection with the Digital Accountability and Transparency Act responsibilities and operations.
- Support for the AOAM-funded portion of the Integrated Acquisition Environment, an e-government initiative managed by the General Services Administration; a contracting information online knowledge management resource; the printing and mailing of 1099 forms; a monthly download to update routing numbers in NSF's financial system; annual Robotic Processing Automation (RPA) licensing for NSF's financial management systems, design and printing services for NSF's annual reports including the Annual Financial Report, performance highlights brochure, and the Congressional Request.

Renewing NSF ($1.0 million, no change)

In FY 2022, NSF will continue efforts focused on enhancing the performance of its mission through strategic and enterprise-wide activities, building on the momentum and success of the agency-wide reform and modernization effort, Renewing NSF (RNSF). Through support and coordination of diverse and broad-based actions, RNSF is pursuing a transformation of the agency into an organization that is even more agile and responsive to the 21st-century scientific, engineering, and education enterprise. These investments will in turn allow the agency to maintain U.S. leadership in research and education across all areas of STEM. This effort is aligned with NSF's strong culture and commitment toward innovation and continuous organizational improvement. Given the demonstrated success of RNSF to date, NSF plans to transition toward a new capacity to promote and implement enterprise-scale adaptation and innovation, allowing the agency to continuously meet evolving challenges and opportunities. Through FY 2021 and FY 2022, NSF plans to continue to coordinate RNSF activities across the agency in order to drive further progress on and implementation of efforts that will catalyze enterprise-scale organizational adaptation and advance the transformative vision of a renewed NSF. While those efforts continue, the agency will also pursue a transition from RNSF to a longer-term, sustainable enterprise excellence capacity that will secure the benefits of coordinated, future-focused, continuous organizational adaptation beyond the initial effort. This transition will establish a robust, scalable mechanism to support and facilitate cross-cutting change activities, both those already surfaced in RNSF as well as those readily responsive to the potential future illustrated in the NSB's Vision 2030 report.

Building and Administrative Services

Building and Administrative Services
(Dollars in Millions)

	FY 2020 Actual	FY 2021 Estimate	FY 2022 Request	Change over FY 2021 Estimate Amount	Percent
Information Dissemination	$1.95	$2.13	$3.38	$1.26	59.2%
Workplace Management	8.51	8.64	14.38	5.74	66.4%
Panel Support, Meeting Management, & Proposal Services	4.56	5.65	9.12	3.47	61.5%
Total	**$15.01**	**$16.42**	**$26.89**	**$10.47**	**63.8%**

The FY 2022 Request for building and administrative services is $26.89 million, providing the full fiscal year requirement estimated to effectively perform these three sets of activities: Information Dissemination; Workplace Management; and Panel Support, Meeting Management, and Proposal Services. The $10.47 million increase over the FY 2021 Estimate will help establish the new directorate; scale up operations for a $10 billion research agency; and modify facility infrastructure and activities to support a post-COVID work environment to include increased telework and remote work.

Also included is $1.30 million for zero emission vehicle (ZEV—battery electric, plug-in electric hybrid, and hydrogen fuel cell vehicles) acquisitions and deploying necessary vehicle charging and refueling infrastructure in support of the President's goal of transitioning to a fully Zero Emission Vehicle Federal fleet. These acquisitions are a significant step towards eliminating tailpipe emissions of greenhouse gases (GHG) from NSF's fleet and aligning NSF's fleet operations with the goal of achieving a fully ZEV federal fleet. This action is important because tailpipe emissions are currently the leading source of GHG emissions that threaten the planet and harm U.S. communities. NSF is coordinating all of these efforts to meet or exceed the ZEV-related goals set forth in the comprehensive plan developed pursuant to E.O. 14008, Section 205(a). Funds for NSF's ZEV activities are part of a $600 million request in the President's Budget for ZEVs and charging infrastructure that is contained within the individual budgets of 18 Federal agencies, including ZEV Federal fleet dedicated funds at the General Services Administration. This investment will be complemented by Department of Energy funding to provide technical assistance to agencies through the Federal Energy Management Program as NSF builds and grows its ZEV infrastructure. This investment serves as a down payment to support a multiyear, whole-of-government transformation to convert the Federal motor vehicle fleet to ZEVs and thereby reduce carbon emissions.

The FY 2022 funding level for building and administrative services reinforces NSF's commitment to organizational excellence and reflects NSF's prioritization of sustaining current services levels in FY 2022, and expanding beyond current services where appropriate, for critical business and operations activities.

Information Dissemination ($3.38 million, +$1.26 million above the FY 2021 Estimate)
Investments in this category fund activities that support records management; extensive web-based and electronic information distribution tools that provide information to both NSF staff and the public; graphic design and commercial printing; and regulatory reporting processing and production. The FY 2022 Request provides additional resources for these investments supporting the full estimated cost necessary to manage workload requirements and maintain services for the larger agency size. Activities include:

- Records management and the establishment and execution of records management policies and procedures. NSF continues to enhance data management practices which includes reducing records storage requirements at the Federal Records Center and the National Archives and Records Administration while transitioning to electronic records. NSF is on track to comply with the M-19-21 Directive, Transition to Electronic Records. Further, the requested funding level will enable operations and maintenance of controlled unclassified information (CUI) marking in IT systems.
- Communications contract support providing information to both the public and NSF staff regarding the NSF mission and related content.
- NSF website and application development and support for NSF's external website, NSF.gov.
- Graphic design including the design and creation of layouts, graphics, animation, style sheets, and color schemes for use in NSF communications in print and on the web.
- Congressional Record and Code of Federal Regulations requests for the Foundation.
- An organizational assessment study, to be initiated in FY 2022, to identify skill gaps and develop strategies to mitigate operational gaps within the Division of Administrative Services (DAS).

<u>Workplace Management ($14.38 million, +$5.74 million above the FY 2021 Estimate)</u>
Workplace Management provides funding for a wide range of core business activities and infrastructure support related to space management and facility operations; property management, including ZEVs; as well as security and emergency management. Increased funding is necessary in FY 2022 to fully support the agency at its increased capacity and in alignment with its post pandemic posture. Investments for this category include:
- Space management and facility operations, including development of space plans and assignments, space reconfigurations, facility service and maintenance, and transportation. In alignment with NSF's future objectives and hybrid workforce initiative, the FY 2022 Request includes cost estimates for a phased building re-stacking and renovation initiative, office move support, and additional facility management modules. Also included is improved cleaning of high traffic areas within the building and a furniture refresh of customer service areas.
- O&M for the Integrated Workplace Management System which supports space and workplace management to include conference room scheduling and asset inventory. FY 2022 funding will enable expanded business intelligence operations comprised of maintenance best practices and outlining the sustainability approach as well as implementation of a new room reservation system.
- Activities related to property—the oversight and planning of mailroom, shipping and receiving operations; and property receipt, inventory, and tracking.
- Core business activities and infrastructure support related to security and emergency management, such as security badge issuance, management of NSF Continuity of Operations Plan activities, physical security, and access control; information and reception center; and personnel security adjudication support. The FY 2022 Request includes increased cost estimates related to maintenance and technical security requirements of NSF's new Sensitive Compartmented Information Facility (SCIF), operations and maintenance of a new Personnel Security Case Management System, and contractor support to process increased adjudications.

<u>Panel Support, Meeting Management, and Proposal Services ($9.12 million, +$3.47 million above the FY 2021 Estimate)</u>
This category supports NSF's merit review process by providing various services for NSF staff, panelists, members of advisory committees, committees of visitors (COVs), and guests. The FY 2022 Request provides additional resources for these investments supporting the full estimated cost necessary to manage workload requirements and maintain services for the larger agency size. Activities include:
- Management and support of agency printing devices including copier and printer maintenance and supplies.
- Print Center services for FY 2022. For transparency, these costs are reported by NSF as part of its Information Technology portfolio Infrastructure: Output.
- Library and research assistance for the Foundation. NSF Program Directors rely on the library electronic content to understand conflicts of interest, identify panelists, search for citations, identify who is published, research innovations, and other critical merit review ancillary support. Resources necessary to initiate a library operations modernization effort are included in the FY 2022 Request.
- Management of central conference space, including activities to oversee, operate, and maintain mission-critical audiovisual and communications equipment and resources, both physical and virtual. FY 2022 funding provides the resources necessary to schedule, coordinate, and conduct NSF's onsite and virtual meetings and panels in a post-COVID work environment and at a level appropriate for a $10 billion research agency. Included in the FY 2022 Request is funding to streamline NSF's meeting management operations.
- Travel management services, reflecting NSF's requirement to fully support NSF staff, panelists, members of advisory committees, COVs, and guests. Transportation of household goods and relocation assistance is also covered under this activity. The FY 2022 Request includes funding for enhancements to the interface between NSF's travel management system (Concur) and financial system (iTRAK).

- An Accessibility Maturity Roadmap. NSF is anticipating an increase of technology that must be 508 compliant and accessible for remote users that have accessibility requirements. The roadmap is critical to ensure delivery of NSF technology solutions that continue to be safe and accessible for people with disabilities.

Other Program Related Administration

Other Program Related Administration
(Dollars in Millions)

	FY 2020 Actual	FY 2021 Estimate	FY 2022 Request	Change over FY 2021 Estimate Amount	Percent
E-Government Initiatives	$1.37	$1.37	$1.44	$0.07	5.1%
General Planning & Evaluation Activities	1.04	5.08	5.01	-0.07	-1.4%
Total	**$2.41**	**$6.45**	**$6.45**	**-**	**-**

In FY 2022, $6.45 million for NSF's Other Program Related Administration includes funding for two Foundation-wide activities:
- NSF support for federal E-Government initiatives that are mission-related.
- General planning and evaluation activities that are Foundation-wide.

E-Government Initiatives ($1.44 million, +$70,000 above the FY 2021 Estimate)
The FY 2022 funding level for NSF program-supported and mission-related E-Government (E-Gov) initiatives is consistent with the FY 2022 funding amounts provided by the initiatives' respective managing partners. The FY 2022 funding level reflects an increase for Grants.gov and the addition of a new Line of Business (LoB) for Hiring Assessment. The remaining program-supported initiatives (Geospatial LoB, Integrated Acquisition Environment, Human Resources LoB, Financial Management LoB, and Budget Formulation/Execution LoB) were held to their respective FY 2021 Request funding levels. For funding level details by LoB activity, see the *NSF Funding for E-Government Initiatives* section of the Information Technology narrative within the Organizational Excellence chapter.

General Planning and Evaluation Activities ($5.01 million, -$70,000 below the FY 2021 Estimate)
FY 2022 funding for general planning and evaluation activities supports investments on broad programmatic and policy matters of NSF-wide scope and benefit. This includes activities such as Renewing NSF, the verification and validation of performance information; IPA FTE in the office of Budget Finance and Award Management and the Office of the Director; and certain costs associated with the American Association for the Advancement of Science fellowships program. Also included is $160,030 for NSF's contribution to Government-wide Council funding and $141,203 to CAP Goal funding. The total FY 2022 funding level is based on the level of general planning and evaluation activities and projects that occurred in FY 2021 and anticipated activities for FY 2022.

Other Organizational Excellence Activities

Other Organizational Excellence Activities
(Dollars in Millions)

	FY 2020 Actual	FY 2021 Estimate	FY 2022 Request	Change over FY 2021 Estimate Amount	Percent
Analysis, Modeling, and Forecasting	-	-	$3.00	$3.00	N/A
Evaluation and Assessment Capability	5.29	5.00	7.00	2.00	40.0%
Major Facilities Admin Reviews and Audits	0.80	2.34	0.99	-1.35	-57.7%
Planning and Policy Support	4.72	2.50	3.00	0.50	20.0%
Public Access Initiative	2.45	1.75	3.75	2.00	114.3%
Research Security Strategy and Policy	-	-	1.00	1.00	N/A
Total	**$13.26**	**$11.59**	**$18.74**	**$7.15**	**61.7%**

Analysis, Modeling, and Forecasting ($3.0 million, +$3.0 million over the FY 2021 Estimate)
NSF will expand its capacity to leverage modeling to generate timely and actionable insights to inform strategy, investments, and programmatic decisions. For additional information, see the IA narrative in the R&RA chapter.

Evaluation and Assessment Capability (EAC) ($7.0 million, +$2.0 million above the FY 2021 Estimate)
EAC is an integral part of NSF's operations and conducts or oversees those activities to generate useful evidence for decision making. At the FY 2022 Request level, increased funding will support studies prioritized in the Agency-wide learning agenda and focused on enabling program improvements that enhance the efficacy of NSF investments. For additional information, see the IA narrative in the R&RA chapter.

Major Facilities Administrative Reviews and Audits ($990,000, -$1.35 million below the FY 2021 Estimate)
NSF includes FY 2022 cost estimates of administrative reviews and audits for major facilities to be funded via the R&RA account. This estimate is based on the Annual Major Facilities Portfolio Risk Assessment conducted by staff in BFA in close coordination with cognizant program staff. Besides risk, this assessment also considers event-driven oversight activities per NSF policy, which are based, in part, on the AICA.

Planning and Policy Support ($3.0 million, +$500,000 above the FY 2021 Estimate)
Planning and Policy Support is a foundation-wide activity in the IA budget that supports select NSF-wide policy and planning activities. The funding increase above the FY 2021 Estimate will support planning and policy-development activities to catalyze agency innovations in response to national priorities. For additional information, see the IA narrative in the R&RA chapter.

Public Access Initiative ($3.75 million, +$2.0 million above the FY 2021 Estimate)
The goal of the NSF Public Access Initiative is to make the results of NSF-funded research available to the greatest extent possible, pursuant to the memorandum on *Increasing Access to the Results of Federally Funded Scientific Research*, released by the Office of Science and Technology Policy (OSTP) on February 22, 2013, and consistent with NSF's mission and long-standing policies supporting data sharing. It enables greater transparency and more access by more people to the results of NSF-funded research, and provides secure, predictable, and integrated management of publications, data, and other research products resulting from NSF funding. Additional FY 2022 resources will support exploration of metadata approaches for data and software, along with training to refine associated workflows across all of science and engineering.

Research Security Strategy and Policy ($1.0 million, +$1.0 million over the FY 2021 Estimate)
NSF will expand capabilities and competencies to protect the U.S. science and engineering enterprise through its Research Science Security and Policy activity. For additional information, see the IA narrative in the R&RA chapter.