NSF Survey of Federal Funds for Research and Development

Vol. 61 (FYs 2011–13)

(Non-DOD version)

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National Science Foundation
WHERE DISCOVERIES BEGIN

Instructions

Agency Code and Name

Your USER ID and password will be used to access the online survey system. Only one USER ID is available per agency. It is possible to delegate work to sub agencies by creating program, field and branch offices below the agency umbrella.

Contact Information

Please provide complete contact information for both the survey respondent and associated supervisor.

Before You Start

Please give special attention to the following items when completing the Survey of Federal Funds for Research and Development, Volume 61, Fiscal Years 2011, 2012, and 2013.

1. In the interest of time, we are requesting that you submit to the survey the same data that your agency will submit to the Office of Management and Budget (OMB) in January. Do not wait for later markups or revisions. **Complete your submission prior to the June 30, 2012 deadline.**
2. In the narrative statements, which are available on the online system, explain any differences between outlays reported in this survey and those reported to OMB for the 2013 budget.
3. Verify that all R&D activities are included in your Federal Funds Survey data submission, whether they are represented by a specific R&D appropriation or as parts of other appropriations.
4. If you report any extramural funds on Tables VI, VII, and VIII, then you must also report some federal intramural funds on these tables. The rationale is that your agency must spend funds, at least for staff time, to administer the extramural R&D programs.
5. If your agency sponsors a Federally Funded Research and Development Center (FFRDC), data should be reported on Table IX. If no R&D funds are obligated for your FFRDC for FY 2011, please provide an explanation in the narrative statements.
6. In the narrative statements, provide the reasons for **ANY** changes in your obligation levels from those reported in the previous cycle's survey for character of work; basic and applied research and development; R&D plant; fields of science and engineering; or performers.
7. In the narrative statements, explain **ANY** differences between FY 2011 data reported in two separate NSF surveys: Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions (Federal S&E Support Survey) and R&D obligations to universities and colleges, and nonprofit institutions for this Federal Funds

Survey. If you do not know your agency's respondent to the Federal S&E Support Survey, please email us at **NSFFedFunds@smdi.com**.

8. If your agency is required to provide obligations by state and performer (Tables A or B), you will be asked to break out obligations reported to "outlying areas" into "Puerto Rico" and "other outlying areas." The sum of these two items must equal the total reported for "outlying areas."

Completing the Tables

Table I is for reporting outlays only.

- **Outlays** represent the amounts for checks issued and cash payments made during a given period, regardless of when the funds were appropriated. Outlays cover all transactions that occurred in a given fiscal year, and those estimated for the next two fiscal years. The data include all federal funds available to an agency that the agency received or expects to receive from direct appropriations, trust funds, and special account receipts, corporate income, or other sources, including funds appropriated by the President.

NOTE: Please give actual dollars for all amounts. The survey no longer request "dollars in thousands."

- The amounts shown for each year reflect outlays for that year regardless of when the funds were originally authorized or received and regardless of whether or not they were appropriated, received, or identified in the agency's budget specifically for research, development, or R&D plant.
- Outlays reported should reflect full costs. In addition to costs of specific scientific projects, applicable overhead costs should also be included. Thus, the amounts reported should include the costs of planning and administering of both intramural and extramural R&D programs, laboratory overhead, pay of military personnel, and departmental administration.
- In reporting outlays, include the amounts transferred to other agencies for support of research and development. The receiving agencies do not report funds transferred to them. Similarly, a subdivision of an agency that transfers funds to another subdivision within that agency reports such outlays as its own. To ensure that no undue distortion of funds for intramural performance of research and development takes place, the agency transferring the funds should make a special effort, within practical limits, to determine whether the ultimate performer is intramural or extramural and report accordingly. The transfer of funds to another federal agency should not be the sole basis for reporting that the R&D performance is intramural.
- Outlays for R&D performed for an agency in foreign countries include all funds available to the agency for this purpose, including funds separately appropriated for special foreign currency programs.

Research and Development: Research and development (R&D) activities comprise creative work undertaken on a systematic basis in order to increase the stock of knowledge, including knowledge of man, culture and society, and the use of this stock of knowledge to devise new applications.

Include:

- Administrative expenses for R&D.

Exclude:

- Physical assets for R&D such as R&D equipment and facilities.
- Routine product testing, quality control, mapping, collection of general purpose statistics, experimental production, routine monitoring and evaluation of an operational program, and the training of scientific and technical personnel.

- **R&D plant:** R&D plant (R&D facilities and fixed equipment, such as reactors, wind tunnels, and particle accelerators) includes acquisitions of, construction of, major repairs to, or alterations in structures, works, equipment, facilities, or land for use in R&D activities at federal or non-federal installations. Excluded from the R&D plant category are expendable or movable equipment (e.g., spectrometers, microscopes) and office furniture and equipment. Also excluded are the costs of pre-design studies (e.g., those undertaken before commitment to a specific facility). These excluded costs are reported under total conduct of research and development. Obligations for foreign R&D plant are limited to federal funds for facilities abroad and are used in support of foreign research and development.

Table II is for reporting obligations only. Obligations shown in Total R&D and Total R&D Plant of Table II should be identified by appropriation titles and program activities in the narrative statements associated with this table.

- **Character of Work:** Classifying research and development on the basis of the character of the work (i.e., basic research, applied research, or development) may present problems. It may be necessary in some cases to employ a measure of judgment in distributing obligations among categories. In cases where an overlap exists, funds should be assigned to the category most appropriate to the principal type of work supported.
  - **Basic Research:** Basic research is defined as systematic study directed toward fuller knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind.
  - **Applied Research:** Applied research is defined as systematic study to gain knowledge or understanding necessary to determine the means by which a recognized and specific need may be met.
  - **Development:** Development is defined as systematic application of knowledge or understanding, directed toward the production of useful materials, devices, and systems or methods, including design, development, and improvement of prototypes and new processes to meet specific requirements.
- **Obligations** represent the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required, and regardless of whether or not they were appropriated, received, or identified in the agency's budget specifically for research, development, or R&D plant. NOTE: Please give actual dollars for all amounts. The survey no longer requests "dollars in thousands."
  - Obligations cover all transactions that occurred in a given fiscal year, and those estimated for the next two fiscal years. The data include all federal funds available to an agency that the agency received or expects to receive from direct appropriations,

trust funds, and special account receipts, corporate income, or other sources, including funds appropriated by the President.

- Obligations reported should reflect full costs. In addition to costs of specific scientific projects, applicable overhead costs should also be included. Thus, the amounts reported should include the costs of planning and administering of both intramural and extramural R&D programs, laboratory overhead, pay of military personnel, and departmental administration.
- In reporting obligations, include the amounts transferred to other agencies for support of research and development. The receiving agencies do not report funds transferred to them. Similarly, a subdivision of an agency that transfers funds to another subdivision within that agency reports such obligations as its own. To ensure that no undue distortion of funds for intramural performance of research and development takes place, the agency transferring the funds should make a special effort, within practical limits, to determine whether the ultimate performer is intramural or extramural and report accordingly. The transfer of funds to another federal agency should not be the sole basis for reporting that the R&D performance is intramural.
- Obligations for R&D performed for an agency in foreign countries include all funds available to the agency for this purpose, including funds separately appropriated for special foreign currency programs.

- See other definitions under Table 1.

Tables III, IV, and V are for reporting obligations for research by fields of science and engineering.

Every effort should be made to allocate obligations to a specific discipline for actual year's data rather than to the "other" category. If specific allocation is not feasible, however, obligations reported under the other category should be identified in an explanatory note. In reporting obligations for activities concerned with interdisciplinary studies, funds must not be double-counted.

Fields of Science and Engineering in this survey consist of eight broad field categories, each consisting of a number of detailed fields. The broad fields are computer sciences and mathematics; engineering; environmental sciences; life sciences; physical sciences; psychology; social sciences; and other sciences, not elsewhere classified. The following list presents the detailed fields grouped under each of the broad fields, together with illustrative disciplines of detailed fields.

The illustrative disciplines are intended to be guidelines, not sharp definitions; they represent examples of disciplines generally classified under each detailed field. A discipline under one detailed field may be classified under another detailed field when the major emphasis is elsewhere. Research in biochemistry, for example, might be reported as biological, agricultural, or medical, depending on the focus of the project. Human biochemistry would be classified under biological, but animal biochemistry or plant biochemistry would fall under agricultural. In no case is the research reported under more than one field. No double counting is intended or allowed.

- **Computer Sciences and Mathematics** employ logical reasoning with the aid of symbols and are concerned with the development of methods of operation using such symbols and, in the case of computer sciences, with the application of such methods to automated information systems. Examples of disciplines under these fields are as follows:

- **Computer Sciences:** Computer and information sciences (general); design, development, and application of computer capabilities to data storage and manipulation; information sciences and systems; programming languages; systems analysis
- **Mathematics:** Algebra, analysis, applied mathematics, foundations and logic, geometry, numerical analysis, statistics, topology
- **Other Computer Sciences and Mathematics**

Engineering is concerned with studies directed toward developing engineering principles or toward making specific principles usable in engineering practice. Engineering in this survey is divided into eight fields: aeronautical, astronautical, chemical, civil, electrical, mechanical, and metallurgy and materials engineering and other engineering. Examples of disciplines under each of these fields are as follows:

- **Aeronautical Engineering:** Aerodynamics
- **Astronautical Engineering:** Aerospace, space technology
- **Chemical Engineering:** Petroleum, petroleum refining process
- **Civil Engineering:** Architectural, environmental, hydraulic, hydrologic, marine, sanitary, and structural engineering; transportation
- **Electrical Engineering:** Communication, electronic engineering, power
- **Mechanical Engineering:** Engineering mechanics
- **Metallurgy and Materials Engineering:** Ceramic engineering, mining, textile engineering, welding
- **Other Engineering:** Agricultural engineering, bioengineering, biomedical engineering, industrial and management engineering, nuclear engineering, ocean engineering, systems engineering

Environmental Sciences (terrestrial and extraterrestrial) are, with the exception of oceanography, concerned with the gross nonbiological properties of the areas of the solar system that directly or indirectly affect human survival and welfare. Obligations for studies pertaining to life in the sea or other bodies of water are reported as support of oceanography and not biology. Environmental sciences comprise the fields of atmospheric sciences, geological sciences, oceanography, and other environmental sciences. Examples of disciplines under each of these fields are as follows:

- **Atmospheric Sciences:** Aeronomy, extraterrestrial atmospheres, meteorology, solar science, weather modification
- **Geological Sciences:** Engineering geophysics, general geology, geodesy and gravity, geomagnetism, hydrology, inorganic geochemistry, isotopic geochemistry, laboratory geophysics, organic geochemistry, paleomagnetism, paleontology, physical geography and cartography, seismology
- **Oceanography:** Biological oceanography, chemical oceanography, marine geophysics, physical oceanography
- **Other Environmental Sciences**

Life Sciences are concerned with the scientific study of living organisms and their systems. They consist of five detailed fields: biological sciences (excluding environmental

biology), environmental biology, agricultural sciences, medical sciences, and other life sciences. Examples of the disciplines under each of these fields are as follows:

- **Agricultural Sciences:** Agronomy, animal sciences, food science and technology, fish and wildlife, forestry, horticulture, phytopathology, phytoproduction, plant sciences, soils and soil science, general agriculture
- **Biological Sciences:** Anatomy, biochemistry, biology, biometry and biostatistics, biophysics, botany, cell biology, entomology and parasitology, genetics, microbiology, neuroscience (biological), nutrition, physiology, zoology
- **Environmental Biology:** Ecosystem sciences, evolutionary biology, limnology, physiological ecology, population and biotic community ecology, population biology, systematics
- **Medical Sciences:** Dentistry, internal medicine, neurology, obstetrics and gynecology, ophthalmology, otolaryngology, pathology, pediatrics, pharmacology, pharmacy, preventive medicine, psychiatry, radiology, surgery, veterinary medicine
- **Other Life Sciences**

Physical Sciences are concerned with understanding of the material universe and its phenomena. They comprise the fields of astronomy, chemistry, physics, and other physical sciences. Examples of disciplines under each of these fields are as follows:

- **Astronomy:** Laboratory astrophysics; optical astronomy; radio astronomy; theoretical astrophysics; X-ray, gamma-ray, and neutrino astronomy
- **Chemistry:** Inorganic, organic, organometallic, and physical chemistry
- **Physics:** Acoustics, atomic and molecular physics, condensed-matter physics, elementary particle physics, nuclear structure, optics, plasma physics
- **Other Physical Sciences**

Psychology deals with behavior, mental processes, and individual and group characteristics and abilities. Psychology in this survey is divided into three categories: biological aspects, social aspects, and other psychological sciences. Examples of the disciplines under each of these fields are as follows:

- **Biological Aspects:** Animal behavior, clinical psychology, comparative psychology, ethology, and experimental psychology
- **Social Aspects:** Development and personality; educational, personnel, and vocational psychology and testing; industrial and engineering psychology; social psychology
- **Other Psychological Sciences**

Social Sciences are directed toward an understanding of the behavior of social institutions and groups and of individuals as members of a group. Social sciences include anthropology, economics, political science, sociology, and other social sciences. Examples of disciplines under the fields of social science are as follows:

- **Anthropology:** Applied anthropology, archaeology, cultural anthropology and personality, social anthropology and ethnology
- **Economics:** Econometrics and economic statistics; economic systems and development; economic theory; history of economic thought; industrial, labor, and agricultural economics; international economics; macroeconomics; microeconomics; public finance and fiscal policy

  - **Political Science:** Area or regional studies, comparative government, history of political ideas, international relations and law, national political and legal systems, political theory, public administration
  - **Sociology:** Comparative and historical sociology, complex organizations, culture and social structure, demography, group interactions, social problems and social welfare, sociological theory
  - **Other Social Sciences:** Linguistics, research in education, research in history, research in law (e.g., attempts to assess impact on society of legal systems and practices), socioeconomic geography
- **Other Sciences, Not Elsewhere Classified:** This category is used for multidisciplinary or interdisciplinary projects that cannot be classified within one of the broad fields of science already listed.

Tables VI, VII, and VIII cover reporting obligations by performer and character of work. Personnel costs are for identification of obligations for intramural personnel services and related allowances. Such obligations cover salaries for scientists, engineers, and other intramural support personnel, including planning and administrative personnel.

- Under Federal Intramural, report obligations for R&D that are provided to support research and development performed intramurally.
- Under Businesses Excluding FFRDCs, report obligations for R&D that are provided to support research and development by businesses or industrial firms excluding FFRDCs.
- Under FFRDCs Administered by Industrial Firms, report the amount obligated for R&D that is provided to support research and development performed by FFRDCs administered by businesses or industrial firms.
- Under Universities and Colleges Excluding FFRDCs and FFRDCs Administered by Universities and Colleges, report obligations for R&D that are provided to support R&D performance by universities and colleges excluding FFRDCs and those that are provided to support university-administered FFRDCs.
- Under Nonprofit Institutions Excluding FFRDCs and FFRDCs Administered by Nonprofit Institutions, report the same information for nonprofit performers.
- Under State and Local Governments, report obligations for R&D that are provided to support research and development performed by State and local governments.
- Under Foreign, report obligations for R&D located abroad that are provided to support foreign research and development.

Definitions for these tables include:

- **Federally Funded Research and Development Centers (FFRDCs)** administered by industrial firms, FFRDCs administered by universities and colleges, and FFRDCs administered by nonprofit institutions are for identification of obligations to FFRDCs appearing in Table IX. An agency should report obligations to each FFRDC it funds that appears on the list, even if the FFRDC is sponsored by another agency. Obligations to FFRDCs administered by university consortia should be included in the amounts under FFRDCs administered by universities and colleges. (Additional information concerning FFRDCs is found in the reporting guidelines for Table IX.)

- **Foreign:** Identifies obligations for R&D performance by foreign individuals or foreign organizations (including international organizations in foreign countries) that are financed by federal agencies. Obligations made with funds separately appropriated for special foreign currency programs should be included in the totals for foreign obligations. These special foreign currencies are derived largely from funds provided under Public Law 480, 1954, as amended. Care should be taken to report foreign performance only once. For example, if a foreign performer is an educational institution, obligations to that institution should be reported only under foreign performance and not also under universities and colleges.
- **Businesses or Industrial Firms** are organizations that may legally distribute net earnings to individuals or other organizations.
- **Intramural Performers** are the agencies of the federal government. Their work is carried on directly by agency personnel. Obligations reported under this category are for activities performed or to be performed by the reporting agency itself, or represent funds that the agency transfers to another federal agency for performance of work as long as the ultimate performer is that agency or any federal agency. If the ultimate performer is not a federal agency, the funds so transferred are reported by the transferring agency under the appropriate extramural performer category (universities and colleges, other nonprofit institutions, or businesses or industrial firms).

  NOTE: Intramural activities cover not only the actual intramural R&D performance, but also the costs associated with the planning and administration of both intramural and extramural programs by federal personnel. Intramural activities also include the costs of supplies and equipment, essentially of an “off-the-shelf” nature, that are procured for use in intramural R&D. For example, the purchase from an extramural source of an operational launch vehicle (i.e., one that has gone beyond the development or prototype stage) that is used for intramural performance of R&D is reported as a part of the cost of intramural R&D.
- **Nonprofit Institutions** are private organizations, other than educational institutions, whose net earnings in no part inure to the benefit of a private stockholder or individual and other private organizations organized for the exclusive purpose of turning over their entire net earnings to such nonprofit organizations.
- **Performer:** A performer is either an intramural group or organization carrying out an operational function or an extramural organization or person receiving support or providing services under a contract or grant.
- **Personnel Costs:** Personnel costs reflect the salaries of those individuals who perform work related to R&D projects as well as the salaries of personnel who monitor or oversee R&D projects. Even if all of your agency’s R&D is performed extramurally, there must be at least some personnel costs associated with monitoring or transferring the R&D program. If your budget does not include personnel costs as a line item, the federal intramural cost should be increased by the amount of personnel costs.
- **State and Local Government:** Identifies obligations to State and local government agencies for R&D activities financed by the federal government.
- **Universities and Colleges:** Institutions engaged primarily in providing resident and/or accredited instruction for at least a 2-year program above the secondary school level. Included are colleges of liberal arts; schools of arts and sciences; professional schools, as in engineering and medicine, including affiliated hospitals and associated research institutes; and agricultural experiment stations.

Table IX provides for reporting additional information on FY 2011 R&D and R&D plant obligations to FFRDCs. This table requires the breakdown of obligations for R&D reported to individual FFRDCs administered by industrial firms or businesses, FFRDCs administered by universities and colleges, and FFRDCs administered by nonprofit institutions in Table VI by each FFRDC listed. This table also requires the breakdown by individual FFRDC of obligations for R&D plant reported to FFRDCs administered by industrial firms or businesses, FFRDCs administered by universities and colleges, and FFRDCs administered by nonprofit institutions in Table XI for FY 2011. Each agency should report obligations to each FFRDC it supports, even if the FFRDC is sponsored by another agency. Agencies may not unilaterally delete organizations classified as FFRDCs from the list or add organizations to it.

Table X provides for reporting obligations for basic research and total R&D to foreign performers by geographic area and country.

Table XI provides for reporting obligations for R&D plant by the performer of research and development that the R&D plant supports, regardless of the plant's ownership or location.

- Under Federal Intramural, report obligations for R&D plant that are provided to support research and development performed intramurally.
- Under Businesses Excluding FFRDCs, report obligations for R&D plant that are provided to support research and development by businesses or industrial firms excluding FFRDCs.
- Under FFRDCs Administered by Industrial Firms, report the amount obligated for R&D plant that is provided to support research and development performed by FFRDCs administered by businesses or industrial firms.
- Under Universities and Colleges Excluding FFRDCs and FFRDCs Administered by Universities and Colleges, report obligations for R&D plant that are provided to support R&D performance by universities and colleges excluding FFRDCs and those that are provided to support university-administered FFRDCs.
- Under Nonprofit Institutions Excluding FFRDCs and FFRDCs Administered by Nonprofit Institutions, report the same information for nonprofit performers.
- Under State and Local Governments, report obligations for R&D plant that are provided to support research and development performed by State and local governments.
- Under Foreign, report obligations for R&D plant located abroad that are provided to support foreign research and development.

NOTE: The performer of research and development determines the classification of R&D plant obligations.

Tables A and B: Definitions that were provided earlier in these instructions for research and development, R&D plant, and performers apply to these tables.

General instructions include:

- The principal location (State, outlying area, etc.) where the work was performed by the prime contractor, grantee, or intramural organization should be used as the basis of reporting. Where this information is not available in existing records, the obligations should be assigned to the State, outlying area, etc., where the principal plant or operational center of the prime contractor, grantee, or intramural organization was located.
- Both intramural and extramural obligations are required. The extramural obligations are to be reported in terms of prime contracts or grants.
- The amounts reported in these tables for each performer should add to the totals reported for Tables VI and XI.

- R&D obligations to foreign performers or R&D plant obligations in support of foreign performers should not be reported here. See Table X.

Specific instructions include:

- In **Table A**, the obligations for research and for development should be provided as a combined amount.

- **Table B** is to be used to report the geographic distribution of FY 2011 obligations for R&D plant by State or outlying area and performer.

Tables C, D, and E: Definitions for basic research, applied research, total research, universities and colleges, and fields of science and engineering that were provided for Tables III, IV, and V in these instructions apply to these tables also.

- The total obligations reported in Tables C, D, and E must equal obligations for basic research, applied research, and the combined obligations for basic and applied research reported for universities and colleges, excluding FFRDCs of Tables VI, VII, and VIII.

Relationship to the Office of Management and Budget—Table1 Narratives for OMB Reconciliation of R&D Outlays and R&D Plant Outlays

In response to Office of Management and Budget (OMB) Circular No. A-11 (MAX Schedule C), agencies provide OMB with data on their outlays for research and development by character of work and R&D plant. OMB publishes some of these data in the Budget of the United States Government. This document includes a report on the R&D portion of the budget, but in its coverage of R&D data it does not provide as much detail on character of work or performers as the Federal Funds Survey, and provides no information on fields of science and engineering or geographic distribution. Both the Federal Funds Survey and the OMB report use the same general definitions and guidelines. Therefore, for the overall outlay amounts reported for total research or development for distribution by character of work, and for R&D plant or facilities, both the Federal Funds Survey and OMB report should be the same.

If there are differences between the R&D data submitted for the Federal Funds Survey and for the OMB report, each reporting agency or subdivision should provide an explanation for differences in total R&D and total R&D plant outlays.

Description of R&D and R&D Plant Programs Obligations—Table II Narratives

Respondents are requested to identify R&D and R&D plant obligations by title and by program activity or subactivity.

For each program activity or subactivity, the R&D and R&D plant obligations should be given for FYs 2011, 2012, and 2013.

In addition, brief descriptions should be provided in the narrative statements for the research and development or R&D plant construction supported under each program activity or subactivity, including reasons for increases or decreases during the 3-year period.

Respondents are encouraged to confer with National Science Foundation staff in the development of descriptive material on programs.

Relationship to the NSF Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions (Federal S&E Support Survey)—Table VI Narratives

- Table VI Narratives—Univ & Col excl FFRDCs R&D Obligations
- Table VI Narratives—Nonprofit Insts excl FFRDCs R&D Obligations
- Table XI Narratives—Univ & Col excl FFRDCs R&D Plant Obligations
- Table XI Narratives—Nonprofit Insts excl FFRDCs R&D Plant Obligations

The following agencies have been requested to provide data to the Federal S&E Support Survey (formerly known as the CASE survey): the Departments of Agriculture, Commerce, Defense, Education, Energy, Housing and Urban Development, the Interior, Health and Human Services, Labor, and Transportation; the Appalachian Regional Commission; the Agency for International Development; the Environmental Protection Agency; the National Aeronautics and Space Administration; the National Science Foundation; the Nuclear Regulatory Commission; the General Services Administration; the Social Security Administration; and the Office of Justice Programs.

These agencies have been requested to provide specific obligations data to NSF in response to the reporting system established in 1965 by the Committee on Academic Science and Engineering (CASE) of the Federal Council for Science and Technology; this survey is referred to in these instructions as the Federal S&E Support Survey. The requested data cover obligations for research and development and R&D plant to universities, colleges, and nonprofit institutions, as well as data on other activities. In general the concepts and definitions used in the Federal S&E Support Survey conform to the general guidelines in the annual Federal Funds Survey. Thus, for agencies participating in both surveys, overall totals for research and development and R&D plant to universities, colleges, and nonprofit institutions should be essentially the same. Where differences appear in data reported for the two surveys, each reporting agency or subdivision should provide an explanation.

Different totals can sometimes result from the fact that reporting for the Federal Funds Survey and for the Federal S&E Support Survey is accomplished in different ways. For the Federal Funds Survey, each agency includes in its reporting the amounts transferred to other agencies for furtherance of its own purposes; the receiving agencies do not report funds transferred to them. In the Federal S&E Support Survey, however, the data are reported by the agencies in terms of individual performing institutions, and because of this requirement, only the agency that makes the final distribution of the funds can readily determine where the transferred or reimbursable funds are obligated. For this reason agencies reporting to the Federal S&E Support Survey include funds received from other agencies and exclude funds transferred to other agencies, the reverse of the procedure for the Federal Funds Survey.

To Get Help

Contact us by email at **NSFFedFunds@smdi.com** or at (703) 312-5379 for additional help.

Contact Information

* Required

Person Submitting the Data		
First name:*		Middle initial:
Last name:*		
Title:		
Address		
Street address 1:		
Street address 2:		
City:		State:
Zip:		
Contact Information		
Telephone:*		
Fax:		
E-mail address:*		
Supervisor Information		
First name:*		
Last name:*		
Title:		
Telephone:*		Ext:
E-mail address*		

Table I. Outlays for Research & Development and R&D Plant: FYs 2011, 2012, and 2013

Agency Code:			
Agency Name:			
Table I. Outlays for Research & Development and R&D Plant: FYs 2011, 2012, and 2013			
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.			
	FY 2011	**FY 2012**	**FY 2013**
R&D and R&D Plant			
Research & Development			
R&D Plant			
TOTAL R&D and R&D Plant			
Please use the space below to add explanations for data reported in this table.			

Table I - Narrative I - Comparison with OMB MAX Schedule C for Federal R&D Programs

This is the 1st of 2 narratives for Table I.

Agency Code:			
Agency Name:			
Table I - Narrative I - Comparison with OMB MAX Schedule C for Federal R&D Programs			
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.			
	FY 2011	**FY 2012**	**FY 2013**
Total R&D Outlays			
Outlays for Total R&D Reported in Table 1			
Outlays for Total R&D Reported to OMB in Response to Circular Number A-11 (Max Schedule C)			
Difference in Outlays Reported in Table I and Outlays Reported to OMB Read Only			
Please explain any differences in R&D Outlays between the two reports.			

Table I - Narrative II - Comparison with OMB MAX Schedule C for Federal R&D Facilities (R&D Plant)

This is the 2nd of 2 narratives for Table I.

Agency Code:			
Agency Name:			
Table I - Narrative II - Comparison with OMB MAX Schedule C for Federal R&D Facilities (R&D Plant)			
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.			
	FY 2011	**FY 2012**	**FY 2013**
Total R&D Plant Outlays			
Outlays for Total R&D Plant Reported in Table 1			
Outlays for Total R&D Reported to OMB in Response to Circular Number A-11 (Max Schedule C)			
Difference in Outlays Reported in Table I and Outlays Reported to OMB Read Only			
Please explain any differences in R&D Outlays between the two reports.			

Table II - Summary of Obligations for Research & Development and R&D Plant: FYs 2011, 2012, and 2013

Agency Code:			
Agency Name:			
Table II. Summary of Obligations for Research & Development and R&D Plant: FYs 2011, 2012, and 2013			
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.			
	FY 2011	**FY 2012**	**FY 2013**
Character of Work			
Research			
Basic Research			
Applied Research			
Total Research[1]			
Development			
Total Research & Development			
R&D Plant			
Total Research & Development and R&D Plant			
Please use the space below to add explanations for data reported in this table.			
Footnotes: 1 Basic Research + Applied Research = Total Research.			

Table III - Obligations for Basic, Applied, and Total Research by Field of Science and Engineering: FY 2011

Agency Code:			
Agency Name:			
Table III. Obligations for Basic, Applied, and Total Research by Field of Science and Engineering: FY 2011			
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.			
	Basic Research	**Applied Research**	**Total Research[1]**
	FY 2011	FY 2011	FY 2011
Field of Science and Engineering			
Computer Sciences and Mathematics			
Computer Sciences			
Mathematics			
Other Computer Sciences and Mathematics			
TOTAL Computer Sciences and Mathematics			
Engineering			
Aeronautical Engineering			
Astronautical Engineering			
Chemical Engineering			
Civil Engineering			
Electrical Engineering			
Mechanical Engineering			
Metallurgy and Materials Engineering			
Other Engineering			
TOTAL Engineering			
Environmental Sciences			
Atmospheric Sciences			
Geological Sciences			
Oceanography			
Other Environmental Sciences			
TOTAL Environmental Sciences			
Life Sciences			
Agricultural Sciences			
Biological Sciences (excl Environmental)			
Environmental Biology			
Medical Sciences			
Other Life Sciences			
TOTAL Life Sciences			

Physical Sciences			
Astronomy			
Chemistry			
Physics			
Other Physical Sciences			
TOTAL Physical Sciences			
Psychology			
Biological Aspects			
Social Aspects			
Other Psychological sciences			
TOTAL Psychology			
Social Sciences			
Anthropology			
Economics			
Political Science			
Sociology			
Other Social Sciences			
TOTAL Social Sciences			
Other Sciences, not elsewhere classified			
TOTAL All Fields[2]			

Please use the space below to add explanations for data reported in this table.

Footnotes:

1 Basic Research + Applied Research = Total Research.

2 The total for column 1 should equal the amount reported for FY 2011 basic research in Table II. The total for column 2 should equal the amount reported for FY 2011 applied research in Table II.

Table IV - Obligations for Basic, Applied, and Total Research by Field of Science and Engineering: FY 2012

Agency Code:			
Agency Name:			
Table IV. Obligations for Basic, Applied, and Total Research by Field of Science and Engineering: FY 2012			
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.			
	Basic Research	**Applied Research**	**Total Research[1]**
	FY 2012	FY 2012	FY 2012
Field of Science and Engineering			
Computer Sciences and Mathematics			
Engineering			
Environmental Sciences			
Life Sciences			
Physical Sciences			
Psychology			
Social Sciences			
Other sciences, not elsewhere classified			
TOTAL All Fields[2]			
Please use the space below to add explanations for data reported in this table.			

Footnotes:

1 Basic Research + Applied Research = Total Research.

2 The total for column 1 should equal the amount reported for FY 2012 basic research in Table II. The total for column 2 should equal the amount reported for FY 2012 applied research in Table II.

Table V - Obligations for Basic, Applied, and Total Research by Field of Science and Engineering: FY 2013

Agency Code:			
Agency Name:			
Table V - Obligations for Basic, Applied, and Total Research by Field of Science and Engineering: FY 2013			
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.			
	Basic Research	**Applied Research**	**Total Research[1]**
	FY 2013	FY 2013	FY 2013
Field of Science and Engineering			
Computer Sciences and Mathematics			
Engineering			
Environmental Sciences			
Life Sciences			
Physical Sciences			
Psychology			
Social Sciences			
Other sciences, not elsewhere classified			
TOTAL All Fields[2]			
Please use the space below to add explanations for data reported in this table.			

Footnotes:

1 Basic Research + Applied Research = Total Research.

2 The total for column 1 should equal the amount reported for FY 2013 basic research in Table II. The total for column 2 should equal the amount reported for FY 2013 applied research in Table II.

Table VI - R&D: FY 2011 Obligations by Performer and Character of Work

Agency Code:

Agency Name:

Table VI - R&D: FY 2011 Obligations by Performer and Character of Work

IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.

	Basic Research	Applied Research	Development	Research & Development Total
	FY 2011	FY 2011	FY 2011	FY 2011
Performer				
Federal Intramural[1]				
Portion of Federal Intramural for Personnel Costs[2]	( )	( )	( )	( )
Businesses Excl FFRDCs				
FFRDCs Admin by Industrial Firms				
Univ & Colleges Excl FFRDCs				
FFRDCs Admin by Univ & Colleges				
Nonprofit Inst Excl FFRDCs				
FFRDCs Admin by Nonprofit Inst				
State and Local Governments				
TOTAL All Domestic Performers				
Foreign				
TOTAL All Performers[3]				

Please use the space below to add explanations for data reported in this table.

Footnotes:

1 Include 1) R&D conducted by federal agencies, and 2) your agency`s costs for monitoring R&D contracts, grants, and cooperative agreements.

2 Include the portion of Federal intramural costs (reported above) associated with 1) personnel costs for the planning and administration of extramural R&D, and 2) personnel costs for federal intramural research projects.

3 Total equals basic research, applied research, and development in Table II for FY 2011.

Table VI - Narrative 1 - Comparison of R&D with Federal S&E Support Survey, FY 2011 Universities and Colleges (excluding FFRDCs)

This is the 1st of 2 narratives for Table VI.

Agency Code:	
Agency Name:	
Table VI - Narrative I - Comparison of R&D with Federal S&E Support Survey, FY 2011 Universities and Colleges (excluding FFRDCs)	
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.	
	Total Research & Development
	FY 2011
Research & Development	
Amount reported in table VI, row total for Research and Development performed by Universities and Colleges (excluding FFRDCs)	
Amount reported for R&D to Universities and Colleges (total for all Institutions) in the Federal S&E Support Survey	
DIFFERENCE Read Only	
Please enter an explanation of any differences in the R&D Obligations between the two reports.	

Table VI - Narrative II - Comparison of R&D with Federal S&E Support Survey, FY 2011 Nonprofit Institutions (excluding FFRDCs)

This is the 2nd of 2 narratives for Table VI.

Agency Code:	
Agency Name:	
Table VI - Narrative II - Comparison of R&D with Federal S&E Support Survey, FY 2011 Nonprofit Institutions (excluding FFRDCs)	
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.	
	Total Research & Development
	FY 2011
Research & Development	
Amount reported in table VI, row total for Research and Development performed by Nonprofit Institutions (excluding FFRDCs)	
Amount reported for R&D to Nonprofit Institutions (total for all Institutions) in the Federal Support S&E Survey	
Difference Read Only	
Please enter an explanation of any differences in the R&D Obligations between the two reports.	

Table VII - R&D: FY 2012 Obligations by Performer and Character of Work

Agency Code:

Agency Name:

Table VII - R&D: FY 2012 Obligations by Performer and Character of Work

IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.

	Basic Research	Applied Research	Development	Research & Development Total
	FY 2012	FY 2012	FY 2012	FY 2012
Performer				
Federal Intramural[1]				
Portion of Federal Intramural for Personnel Costs[2]	( )	( )	( )	( )
Businesses Excl FFRDCs				
FFRDCs Admin by Industrial Firms				
Univ & Colleges Excl FFRDCs				
FFRDCs Admin by Univ & Colleges				
Nonprofit Inst Excl FFRDCs				
FFRDCs Admin by Nonprofit Inst				
State and Local Governments				
TOTAL All Domestic Performers				
Foreign				
TOTAL All Performers[3]				

Please use the space below to add explanations for data reported in this table.

Footnotes:

1 Include 1) R&D conducted by federal agencies, and 2) your agency`s costs for monitoring R&D contracts, grants, and cooperative agreements.

2 Include the portion of Federal intramural costs (reported above) associated with 1) personnel costs for the planning and administration of extramural R&D, and 2) personnel costs for federal intramural research projects.

3 Total equals basic research, applied research, and development in Table II for FY 2012.

Table VIII - R&D: FY 2013 Obligations by Performer and Character of Work

Agency Code:				
Agency Name:				
Table VIII - R&D: FY 2013 Obligations by Performer and Character of Work				
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.				
	Basic Research	**Applied Research**	**Development**	**Research & Development Total**
	FY 2013	FY 2013	FY 2013	FY 2013
Performer				
Federal Intramural[1]				
Portion of Federal Intramural for Personnel Costs[2]	( )	( )	( )	( )
Businesses Excl FFRDCs				
FFRDCs Admin by Industrial Firms				
Univ & Colleges Excl FFRDCs				
FFRDCs Admin by Univ & Colleges				
Nonprofit Inst Excl FFRDCs				
FFRDCs Admin by Nonprofit Inst				
State and Local Governments				
TOTAL All Domestic Performers				
Foreign				
TOTAL All Performers[3]				
Please use the space below to add explanations for data reported in this table.				

Footnotes:

1 Include 1) R&D conducted by federal agencies, and 2) your agency's costs for monitoring R&D contracts, grants, and cooperative agreements.

2 Include the portion of federal intramural costs (reported above) associated with 1) personnel costs for the planning and administration of extramural R&D, and 2) personnel costs for federal intramural research projects.

3 Total equals basic research, applied research, and development in Table II for FY 2013.

Table IX - Obligations for R&D and R&D Plant at Individual Federally Funded Research and Development Centers (FFRDCs): FY 2011

Agency Code:		
Agency Name:		
Table IX - Obligations for R&D and R&D Plant at Individual Federally Funded Research and Development Centers (FFRDCs): FY 2011		
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.		
ADMINISTERED BY INDUSTRIAL FIRMS	**R&D Obligations**	**R&D Plant Obligations**
Idaho National Laboratory (Battelle Energy Alliance, LLC), Idaho Falls, ID		
Lawrence Livermore National Laboratory (Lawrence Livermore National Security, LLC), Livermore, CA		
Los Alamos National Laboratory (Los Alamos National Security, LLC), Los Alamos, NM		
National Cancer Institute at Frederick (SAIC-Frederick Inc., a subsidiary of the Science Applications International Corp.), Frederick, MD		
Sandia National Laboratories (Sandia Corporation, a subsidiary of Lockheed Martin Corp.), Albuquerque, NM		
Savannah River National Laboratory (Savannah River Nuclear Solutions, LLC), Aiken, SC		
TOTAL Industrial-Administered FFRDCs[1,2]		
ADMINISTERED BY UNIVERSITIES & COLLEGES[3]		
Ames Laboratory (Iowa State University of Science and Technology), Ames, IA		
Argonne National Laboratory (UChicago Argonne, LLC), Argonne, IL		
Fermi National Accelerator Laboratory (Universities Research Association, Inc.), Batavia, IL		
Jet Propulsion Laboratory (California Institute of Technology), Pasadena, CA		
Lawrence Berkeley National Laboratory (University of California), Berkeley, CA		
Lincoln Laboratory (Massachusetts Institute of Technology), Lexington, MA		
National Astronomy and Ionosphere Center (Cornell University), Arecibo, PR		
National Center for Atmospheric Research (University Corporation for Atmospheric Research), Boulder, CO		
National Optical Astronomy Observatories (Association of Universities for Research in Astronomy, Inc.), Tucson, AZ		
National Radio Astronomy Observatory (Associated Universities, Inc.), Charlottesville, VA & Green Bank, WV		
National Radio Astronomy Observatory -- Green Bank, WV		
National Radio Astronomy Observatory -- Charlottesville, VA		
Princeton Plasma Physics Laboratory (Princeton University), Princeton, NJ		
SLAC National Accelerator Laboratory (Leland Stanford, Jr. University), Stanford, CA		

Software Engineering Institute (Carnegie Mellon University), Pittsburgh, PA		
Thomas Jefferson National Accelerator Facility (Southwestern Universities Research Association, Inc.), Newport News, VA		
TOTAL University & College-Administered FFRDCs[4,5]		
ADMINISTERED BY NONPROFIT INSTITUTIONS[6]		
Aerospace Federally Funded Research & Development Center (The Aerospace Corp.), El Segundo, CA		
Arroyo Center (RAND Corporation), Santa Monica, CA		
Brookhaven National Laboratory (Brookhaven Science Associates, LLC), Upton, Long Island, NY		
Center for Advanced Aviation System Development (MITRE Corp.), McLean, VA		
Center for Communications & Computing (Institute for Defense Analyses), Alexandria, VA		
Center for Enterprise Modernization (MITRE Corp.), McLean, VA		
Center for Naval Analyses (The CNA Corp.), Alexandria, VA		
Center for Nuclear Waste Regulatory Analyses (Southwest Research Institute), San Antonio, TX		
Homeland Security Studies and Analysis Institute (Analytic Services, Inc) Arlington, VA		
Homeland Security Systems Engineering and Development Institute (MITRE Corp.) McLean, VA		
Judiciary Engineering and Modernization Center (MITRE Corp.) McLean, VA		
National Biodefense Analysis and Countermeasures Center (Battelle National Biodefense Institute), Frederick, MD		
National Defense Research Institute (RAND Corp.), Santa Monica, CA		
National Renewable Energy Laboratory (Alliance for Sustainable Energy, LLC), Golden, CO		
National Security Engineering Center (MITRE Corp.) Bedford, MA		
NSEC -- Bedford, MA Laboratory Bedford, MA		
NSEC -- McLean, VA Laboratory McLean, VA		
Oak Ridge National Laboratory (UT-Battelle, LLC), Oak Ridge, TN		
Pacific Northwest National Laboratory (Battelle Memorial Institute), Richland, WA		
Project Air Force (RAND Corp.), Santa Monica, CA		
Science and Technology Policy Institute (Institute for Defense Analysis), Washington, DC		
Studies and Analyses Center (Institute for Defense Analyses), Washington, DC		
TOTAL Nonprofit-Administered FFRDCs[7,8]		
Please use the space below to add explanations for data reported in this table.		
Key: FFRDCs = Federally funded research and development centers.		

Notes: Each supporting agency should report obligations to each FFRDC it uses even though the FFRDC may be under the sponsorship of another agency. See NSF's website for a list of FFRDCs shown by sponsoring agency and administering organization.

Footnotes:

1 Total for column 1 equals combined obligations for basic research, applied research, and development as reported in FFRDCs Administered by Industrial Firms of Table VI.

2 Total for column 2 equals FFRDCs Administered by Industrial Firms of Table XI for the FY 2011 column.

3 Includes university consortia.

4 Total for column 1 equals combined obligations for basic research, applied research, and development as reported in FFRDCs Administered by Universities and Colleges of Table VI.

5 Total for column 2 equals FFRDCs Administered by Universities & Colleges of Table XI for FY 2011.

6 Other than universities and colleges.

7 Total for column 1 equals combined obligations for basic research, applied research, and development as reported in FFRDCs Administered by Nonprofit Institutions of Table VI.

8 Total for column 2 equals FFRDCs Administered by Nonprofit Institutions of Table XI for FY 2011.

Table X - Obligations to Foreign Performers by Country for Basic Research and Total Research & Development: FY 2011

See instructions for the definition of a Foreign performer.

Agency Code:		
Agency Name:		
Table X - Obligations to Foreign Performers by Country for Basic Research and Total Research & Development: FY 2011		
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.		
Geographic Area and Country		
Africa	**Basic Research Only[1]**	**Total Research & Development[2]**
Algeria		
Angola		
Benin		
Botswana		
Burkina Faso		
Burundi		
Cameroon		
Cape Verde		
Central African Republic		
Chad		
Comoros		
Congo, Democratic Republic of the		
Congo, Republic of the		
Cote d'Ivoire		
Djibouti		
Egypt		
Equatorial Guinea		
Eritrea		
Ethiopia		
Gabon		
Gambia, The		
Ghana		
Guinea		
Guinea-Bissau		
Kenya		
Lesotho		
Liberia		

Libya		
Madagascar		
Malawi		
Mali		
Mauritania		
Mauritius		
Morocco		
Mozambique		
Namibia		
Niger		
Nigeria		
Reunion		
Rwanda		
Saint Helena		
Sao Tome and Principe		
Senegal		
Seychelles		
Sierra Leone		
Somalia		
South Africa		
Sudan		
Swaziland		
Tanzania		
Togo		
Tunisia		
Uganda		
Western Sahara		
Zambia		
Zimbabwe		
African Countries, Other		
Africa, TOTAL		
Asia	**Basic Research Only[1]**	**Total Research & Development[2]**
Afghanistan		
Armenia		
Azerbaijan		
Bahrain		
Bangladesh		
Bhutan		
Brunei		

Cambodia		
China		
Cyprus		
East Timor		
Georgia		
Hong Kong		
India		
Indonesia		
Iran		
Iraq		
Israel		
Japan		
Jordan		
Kazakhstan		
Korea, North		
Korea, South		
Kuwait		
Kyrgyzstan		
Laos		
Lebanon		
Macau		
Malaysia		
Maldives		
Mongolia		
Myanmar/Burma		
Nepal		
Oman		
Pakistan		
Philippines		
Qatar		
Saudi Arabia		
Singapore		
Sri Lanka		
Syria		
Tajikistan		
Thailand		
Turkey		
Turkmenistan		
United Arab Emirates		
Uzbekistan		

Vietnam		
Yemen		
Asian Countries, Other		
Asia, TOTAL		
Europe	**Basic Research Only[1]**	**Total Research & Development[2]**
Albania		
Andorra		
Austria		
Belarus		
Belgium		
Bosnia and Herzegovina		
Bulgaria		
Croatia		
Czech Republic		
Denmark		
Estonia		
Faroe Islands		
Finland		
France		
Germany		
Gibraltar		
Greece		
Holy See		
Hungary		
Iceland		
Ireland		
Italy		
Latvia		
Liechtenstein		
Lithuania		
Luxembourg		
Malta		
Moldova		
Monaco		
Montenegro		
Netherlands		
Norway		
Poland		
Portugal		

Romania		
Russia		
San Marino		
Serbia		
Slovakia		
Slovenia		
Spain		
Sweden		
Switzerland		
Ukraine		
United Kingdom		
European Countries, Other		
Europe, TOTAL		
North America	**Basic Research Only[1]**	**Total Research & Development[2]**
Anguilla		
Antigua and Barbuda		
Aruba		
Bahamas, The		
Barbados		
Belize		
Bermuda		
British Virgin Islands		
Canada		
Cayman Islands		
Costa Rica		
Cuba		
Dominica		
Dominican Republic		
El Salvador		
Greenland		
Grenada		
Guadeloupe		
Guatemala		
Haiti		
Honduras		
Jamaica		
Martinique		
Mexico		
Montserrat		

Netherlands Antilles		
Nicaragua		
Panama		
Saint Kitts and Nevis		
Saint Lucia		
Saint Pierre and Miquelon		
Saint Vincent and the Grenadines		
Trinidad and Tobago		
Turks and Caicos Islands		
North American Countries, Other		
North America, TOTAL		
Oceania	**Basic Research Only[1]**	**Total Research & Development[2]**
Australia		
Cook Islands		
Fiji		
French Polynesia		
Kiribati		
Macedonia, Former Yugoslav Republic of		
Marshall Islands		
Nauru		
New Caledonia		
New Zealand		
Niue		
Palau		
Papua New Guinea		
Samoa		
Solomon Islands		
Tokelau		
Tonga		
Tuvalu		
Vanuatu		
Oceanic Countries, Other		
Oceania, TOTAL		
South America	**Basic Research Only[1]**	**Total Research & Development[2]**
Argentina		
Bolivia		
Brazil		
Chile		
Colombia		

Ecuador		
Falkland Islands (Islas Malvinas)		
French Guiana		
Guyana		
Paraguay		
Peru		
Suriname		
Uruguay		
Venezuela		
South American Countries, Other		
South America, TOTAL		
International Organizations		
TOTAL, all areas and organizations		
Please use the space below to add explanations for data reported in this table.		
Footnotes:		
1 Total for column 1 equals basic research in the "Foreign" category of performer for Table VI.		
2 Total for column 2 equals research & development total in the "Foreign" category of performer in Table VI.		

Table XI - Obligations for R&D Plant by Performer of Research & Development: FYs 2011, 2012, and 2013

Agency Code:			
Agency Name:			
Table XI - Obligations for R&D Plant by Performer of Research & Development: FYs 2011, 2012, and 2013			
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.			
	FY 2011	**FY 2012**	**FY 2013**
Performer			
Federal Intramural[1]			
Businesses Excl FFRDCs			
FFRDCs Admin by Industrial Firms			
Univ & Colleges Excl FFRDCs			
FFRDCs Admin by Univ & Colleges			
Nonprofit Inst Excl FFRDCs			
FFRDCs Admin by Nonprofit Inst			
State and Local Governments			
TOTAL All Domestic Performers			
Foreign			
TOTAL All Performers[2]			
Please use the space below to add explanations for data reported in this table.			
Footnotes: 1 Include 1) R&D conducted by federal agencies, and 2) your agency`s costs for monitoring R&D contracts, grants, and cooperative agreements. 2 Equals total research and development of Table II.			

Table XI - Narrative I - Comparison of R&D Plant with Federal S&E Support Survey, FY 2011 Universities and Colleges (excluding FFRDCs)

This is the 1st of 2 narratives for Table XI.

Agency Code:	
Agency Name:	
Table XI - Narrative I - Comparison of R&D Plant with Federal S&E Support Survey, FY 2011 Universities and Colleges (excluding FFRDCs)	
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.	
	FY 2011
R&D Plant	
Amount reported in Table XI, Universities and Colleges (excluding FFRDCs	
Amount reported for R&D Plant to Universities and Colleges (total for all Institutions) in the Federal S&E Support Survey	
DIFFERENCE Read Only	

Your agency's total for NSF's Federal Funds and Federal S&E Support Survey can differ if you transfer R&D funding to other federal agencies or receive R&D funding from other agencies.		
	Federal Funds Survey	**Federal S&E Support Survey**
Focus of the survey questions	R&D obligations funded by your agency	Obligations for R&D performing institutions (Note: Only the federal agency directly providing R&D funding knows which institutions are performing the R&D)
How amounts are treated for R&D funds transferred to other federal agencies	Included	Excluded
How amounts are treated for R&D funds transferred from other federal agencies	Included	Excluded

Please enter an explanation of any differences in the R&D plant Obligations between the two reports.

Table XI - Narrative II - Comparison of R&D Plant with Federal S&E Support Survey, FY 2011 Nonprofit Institutions (excluding FFRDCs)

This is the 2nd of 2 narratives for Table XI.

Agency Code:	
Agency Name:	
Table XI - Narrative II - Comparison of R&D Plant with Federal S&E Support Survey, FY 2011 Nonprofit Institutions (excluding FFRDCs)	
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.	
	FY 2011
R&D Plant	
Amount reported in Table XI, Nonprofit Institutions (excluding FFRDCs)	
Amount reported for R&D Plant to Nonprofit Institutions (total for all Institutions) in the Federal S&E Support Survey	
DIFFERENCE Read Only	

Your agency's total for NSF's Federal Funds and Federal S&E Support Survey can differ if you transfer R&D funding to other federal agencies or receive R&D funding from other agencies.		
	Federal Funds Survey	**Federal S&E Support Survey**
Focus of the survey questions	R&D obligations funded by your agency	Obligations for R&D performing institutions (Note: Only the federal agency directly providing R&D funding knows which institutions is performing the R&D)
How amounts are treated for R&D funds transferred to other federal agencies	Included	Excluded
How amounts are treated for R&D funds transferred from other federal agencies	Included	Excluded

Please enter an explanation of any differences in the R&D plant Obligations between the two reports.

Table A - R&D: FY 2011 Obligations by State and Performer

Agency Code:	
Agency Name:	
Table A - R&D: FY 2011 Obligations by State and Performer	
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.	

State	Federal Intra-mural[1]	Busi-nesses Exclud-ing FFRDCs[2]	FFRDCs Admin by Industrial Firms[3]	Univ & Colleges Excl FFRDCs[4]	FFRDCs Admin by Univ & Colleges[5]	Other Nonprofit Inst Excl FFRDCs[6]	FFRDCs Admin by Other Nonprofit Inst[7]	State and Local Govern-ments[8]
Alabama								
Alaska								
Arizona								
Arkansas								
California								
Colorado								
Connecticut								
Delaware								
District of Columbia								
Florida								
Georgia								
Hawaii								
Idaho								
Illinois								
Indiana								
Iowa								
Kansas								
Kentucky								
Louisiana								
Maine								
Maryland								
Massachusetts								
Michigan								
Minnesota								
Mississippi								
Missouri								
Montana								
Nebraska								

Nevada								
New Hampshire								
New Jersey								
New Mexico								
New York								
North Carolina								
North Dakota								
Ohio								
Oklahoma								
Oregon								
Pennsylvania								
Puerto Rico								
Rhode Island								
South Carolina								
South Dakota								
Tennessee								
Texas								
Utah								
Vermont								
Virginia								
Washington								
West Virginia								
Wisconsin								
Wyoming								
Offices abroad								
Other outlying areas								
TOTAL								

Please use the space below to add explanations for data reported in this table.

Footnotes:

1 Total equals obligations for research and development total, as reported in Federal Intramural in Table VI.

2 Total equals obligations for research and development total, as reported in Businesses Excluding FFRDCs in Table VI.

3 Total equals obligations for research and development total, as reported in FFRDCs Admin by Industrial Firms

in Table VI.

4 Total equals obligations for research and development total, as reported in Universities & Colleges Excluding FFRDCs in Table VI.

5 Total equals obligations for research and development total, as reported in FFRDCs Admin by Universities & Colleges in Table VI.

6 Total equals obligations for research and development total, as reported in Nonprofit Institutions Excluding FFRDCs in Table VI.

7 Total equals obligations for research and development total, as reported in FFRDCs Admin by Nonprofit Institutions in Table VI.

8 Total equals obligations for research and development total, as reported in State & Local Governments in Table VI.

Table B - R&D Plant: FY 2011 Obligations by State and Performer

Agency Code:								
Agency Name:								
Table B. Obligations for R&D Plant, by State and Performer: FY 2011								
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.								
State	**Federal Intra-mural[1]**	**Busi-nesses Exclud-ing FFRDCs[2]**	**FFRDCs Admin by Industrial Firms[3]**	**Univ & Colleges Excl FFRDCs[4]**	**FFRDCs Admin by Univ & Colleges[5]**	**Other Nonprofit Inst Excl FFRDCs[6]**	**FFRDCs Admin by Other Nonprofit Inst[7]**	**State and Local Govern-ments[8]**
Alabama								
Alaska								
Arizona								
Arkansas								
California								
Colorado								
Connecticut								
Delaware								
District of Columbia								
Florida								
Georgia								
Hawaii								
Idaho								
Illinois								
Indiana								
Iowa								
Kansas								
Kentucky								
Louisiana								
Maine								
Maryland								
Massachusetts								
Michigan								
Minnesota								
Mississippi								
Missouri								
Montana								
Nebraska								
Nevada								

New Hampshire								
New Jersey								
New Mexico								
New York								
North Carolina								
North Dakota								
Ohio								
Oklahoma								
Oregon								
Pennsylvania								
Puerto Rico								
Rhode Island								
South Carolina								
South Dakota								
Tennessee								
Texas								
Utah								
Vermont								
Virginia								
Washington								
West Virginia								
Wisconsin								
Wyoming								
Offices abroad								
Other outlying areas								
TOTAL								

Please use the space below to add explanations for data reported in this table.

Footnotes:

1 Total equals Federal Intramural, Table XI, for FY 2011.

2 Total equals Businesses Excl FFRDCs, Table XI, for FY 2011.

3 Total equals FFRDCs Admin by Industrial Firms, Table XI, for FY 2011.

4 Total equals Univ & Colleges Excl FFRDCs, Table XI, for FY 2011.

5 Total equals FFRDCs Admin by Universities & Colleges, Table XI, for FY 2011.
6 Total equals Nonprofit Institutions Excl FFRDCs, Table XI, for FY 2011.
7 Total equals FFRDCs Admin by Nonprofit Institutions, Table XI, for FY 2011.
8 Total equals State and Local Governments, Table XI, for FY 2011.

Table C - Obligations for Basic, Applied, and Total Research Performed at Universities and Colleges, by Field of Science and Engineering: FY 2011

Agency Code:			
Agency Name:			
Table C - Obligations for Basic, Applied, and Total Research Performed at Universities and Colleges (excl. FFRDCs), by Field of Science and Engineering: FY 2011			
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.			
	Basic Research	**Applied Research**	**Total Research[1]**
	FY 2011	**FY 2011**	**FY 2011**
Field of Science and Engineering			
Computer Sciences and Mathematics			
Computer Sciences			
Mathematics			
Other Computer Sciences and Mathematics			
TOTAL Computer Sciences and Mathematics			
Engineering			
Aeronautical Engineering			
Astronautical Engineering			
Chemical Engineering			
Civil Engineering			
Electrical Engineering			
Mechanical Engineering			
Metallurgy and Materials Engineering			
Other Engineering			
TOTAL Engineering			
Environmental Sciences			
Atmospheric Sciences			
Geological Sciences			
Oceanography			
Other Environmental Sciences			
TOTAL Environmental Sciences			
Life Sciences			
Agricultural Sciences			
Biological Sciences (excl Environmental)			
Medical Sciences			
Other Life Sciences			
TOTAL Life Sciences			

Physical Sciences			
Astronomy			
Chemistry			
Physics			
Other Physical Sciences			
TOTAL Physical Sciences			
Psychology			
Biological Aspects			
Social Aspects			
Other Psychological sciences			
TOTAL Psychology			
Social Sciences			
Anthropology			
Economics			
Political Science			
Sociology			
Other Social Sciences			
TOTAL Social Sciences			
Other Sciences, not elsewhere classified			
TOTAL All Fields[2]			

Please use the space below to add explanations for data reported in this table.

Footnotes:

1 Basic research + Applied Research = Total Research.

2 Totals equal totals for basic research and applied research, in Univ. & Colleges EXCL FFRDCs in Table VI.

Table D - Obligations for Basic, Applied, and Total Research Performed at Universities and Colleges (excl. FFRDCs), by Field of Science and Engineering: FY 2012

Agency Code:			
Agency Name:			
Table D - Obligations for Basic, Applied, and Total Research Performed at Universities and Colleges (excl. FFRDCs), by Field of Science and Engineering: FY 2012			
IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.			
	Basic Research	**Applied Research**	**Total Research[1]**
	FY 2012	**FY 2012**	**FY 2012**
Field of Science and Engineering			
Computer Sciences and Mathematics			
Engineering			
Environmental Sciences			
Life Sciences			
Physical Sciences			
Psychology			
Social Sciences			
Other sciences, not elsewhere classified			
TOTAL All Fields[2]			
Please use the space below to add explanations for data reported in this table.			
Footnotes: 1 Basic Research + Applied Research = Total Research. 2 Totals equal totals for basic and applied research, in Univ. & Colleges Excl FFRDCs in Table VII.			

Table E - Obligations for Basic, Applied, and Total Research Performed at Universities and Colleges (excl. FFRDCs), by Field of Science and Engineering: FY 2013

Agency Code:

Agency Name:

Table E - Obligations for Basic, Applied, and Total Research Performed at Universities and Colleges (excl. FFRDCs), by Field of Science and Engineering: FY 2013

IMPORTANT NOTE: We are no longer requesting "dollars in thousands." Please give actual dollars for all amounts.

	Basic Research	Applied Research	Total Research[1]
	FY 2013	FY 2013	FY 2013
Field of Science and Engineering			
Computer Sciences and Mathematics			
Engineering			
Environmental Sciences			
Life Sciences			
Physical Sciences			
Psychology			
Social Sciences			
Other sciences, not elsewhere classified			
TOTAL All Fields[2]			

Please use the space below to add explanations for data reported in this table.

Footnotes:

1 Basic Research + Applied Research = Total Research.

2 Totals equal totals for basic and applied research, in Univ. & Colleges Excl FFRDCs in Table VIII.