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**ABSTRACT**

Detailed statistical tables on federal funds for research and development (R&D) activities are provided in this document. Tables are organized into the following sections: research, development, and R&D plant; R&D- agency, character of work, and performer; total research- agency, performer, and field of science; basic research- agency, performer, and field of science applied research- agency, performer, and field of science; development- agency and performer; R&D plant; total, basic and applied research performed at colleges and universities- agency and field of science; foreign performers in R&D; foreign performers- basic research; special foreign currency program; geographic distribution- R&D and R&D plant; Federal intramural personnel costs; and historical data (outlays and obligations). In the tables, data for 1981 are considered to be accurate since they represent virtually completed transactions. Data for 1982 and 1983 are estimated since they do not represent final actions. The timing of the Federal Funds survey coincided with the third quarter FY 1982; therefore, the amounts reported for 1982 reflect congressional appropriation actions as of that period, as well as apportionment and reprogramming decisions as of that time. Data for 1982 represent administration budget proposals that had not been acted on. (Author/JN)

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# federal funds for research and development fiscal years 1981, 1982, and 1983

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NOTE: For trend comparisons, use only the historical data for fiscal years 1973-83 contained in tables C-112 through C-132 in this *Federal Funds*, Volume XXXI series. Do not use data published earlier. These tables incorporate changes made by the agencies in prior-year data to reflect program reclassifications. *Federal Funds for Research and Development Detailed Historical Tables: Fiscal Years 1967-83* an unpublished, computer-run series, are also available *gratis* on request from the NSF Division of Science Resources Studies.

# general notes

The tables in this publication have been derived from the *Federal Funds for Research and Development*, Volume XXXI survey. This survey covered a later and more detailed classification of R&D programs in the 1983 Federal budget than the data that appeared in "Special Analysis K. Research and Development," issued in February 1982 as one of the documents of the *Budget of the United States Government, Fiscal Year 1983*. The data in these *Detailed Statistical Tables* show R&D funding levels as reported by 96 Federal agencies in April through July 1982. All agencies with R&D programs were covered.

R&D totals in these tables are given in both outlays and obligations. The R&D obligation data are further distributed by character of work, performer, field of science (for research but not development), and Federal R&D support by State. Obligations for research performance at universities and colleges by fields of science are also shown as are R&D plant data.

The amounts reported for each year of this survey include the obligations or outlays incurred in that year, regardless of the time the funds may have been authorized, appropriated, or received by an agency, and regardless of whether the funds are identified in an agency's budget specifically for research, development, or R&D plant.

In the tables, data for 1981 are considered to be actual since they represent vir-

tually completed transactions. Data for 1982 and 1983 are estimated since they do not represent final actions. The timing of the *Federal Funds* survey coincided with the third quarter of fiscal year 1982, therefore, the amounts reported for 1982 reflect congressional appropriation actions as of that period, as well as apportionment and reprogramming decisions as of that time. Data for 1983 represent administration budget proposals that had not been acted on. The effects of later authorization, appropriation, deferral, and apportionment actions will be reflected in later surveys of this series.

In classifying the data, the agencies must rely on judgment to some extent. Most R&D programs are not shown as budget line items and have to be identified by respondents within larger programs. Judgment is also often involved in determining which funding areas constitute basic research, applied research, development, and specific fields of science.

R&D plant data are understated because of the difficulty encountered by some agencies in identifying R&D plant within contracts for research and development. The Department of Defense can identify only limited portions of R&D plant in contracts funded from the research and development, test, and evaluation (RDT&E) appropriation. The National Aeronautics and Space Administration faces a similar problem in reporting R&D plant data.

Despite the fact that the differences between the *Federal Funds* requirements and the internal reporting systems of many agencies may call for judgment, the reporting experience of most agencies and their interaction over the years with the National Science Foundation staff have considerably increased the reliability of the data.

Sometimes agencies revise their reporting concepts, making revisions in the current data that are important enough to warrant revisions of prior-year data. Some prior-year changes occur almost every year. Therefore, only the historical data contained in appendix C (tables C-112 through C-132) should be used instead of data in previously published appendix tables in the *Federal Funds* series.

The final report, *Federal Funds for Research and Development*, Volume XXXI, will be published separately. It will contain an analysis of the R&D portion of the 1983 Federal budget. A section of the report will cover an R&D analysis by budget function. The report will provide a number of text tables and charts but will not include the detailed statistical tables contained in this volume.

Inquiries relating to *Federal Funds*, Volume XXXI, should be directed to the National Science Foundation, Division of Science Resources Studies, Washington, D.C. 20550. Telephone. (202) 634-4636.

## technical notes

### scope and method

During the period April through July 1982 a total of 34 Federal agencies and their subdivisions—96 individual respondents—submitted data in response to the *Annual Survey of Federal Funds for Research and Development*, Volume XXXI, conducted by the National Science Foundation (NSF) with initial distribution in February 1982. In nearly all cases the data received from the agencies were in terms of obligations and outlays incurred, or expected to be incurred, regardless of when the funds were appropriated or whether they were identified in the respondents' budgets specifically for R&D activities. The exception was the National Aeronautics and Space Administration (NASA), for which the same kinds of transactions were reported in terms of budget plan, which approximates obligations.

Federal agencies provided R&D data earlier to the Office of Management and Budget (OMB) for inclusion in "Special Analysis K: Research and Development" in *The Budget of the United States Government, Fiscal Year 1983*, which was one of the budget documents presented to the Congress in February 1982. The R&D data in the OMB document and the *Federal Funds* survey were based on the same definitions and are reconcilable, but the data in the *Federal Funds* survey cover smaller R&D support agencies not covered by OMB and are classified in greater detail.

### definitions

The definitions are essentially unchanged from prior *Federal Funds* surveys.

#### 1. research, development, and r&d plant

This heading includes all direct, indirect, incidental, or related costs resulting from or necessary to research, development, and R&D plant, regardless of whether the research and development are performed by a Federal agency (intramurally) or performed by private individuals and organizations under grant or contract (extramurally). Research and development exclude routine product testing, quality control, mapping and surveys, collection of general-purpose statistics, experimental production, and the training of scientific personnel.

a. Research is systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research is classified as either basic or applied according to the objectives of the sponsoring agency.

In basic research the objective of the sponsoring agency is to gain fuller knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications toward processes or products in mind.

In applied research the objective of the sponsoring agency is to gain knowledge or understanding necessary for determining the means by which a recognized and specific need may be met.

b. Development is systematic use of the knowledge or understanding gained from research, directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. It excludes quality control, routine product testing, and production.

c. R&D plant (R&D facilities and fixed equipment, such as reactors, wind tunnels, and radio telescopes) includes acquisition 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 equipment and office furniture and equipment. Obligations for foreign R&D plant are limited to Federal funds for facilities located abroad and used in support of foreign research and development.

#### 2. obligations and outlays

a. 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.



b. Outlays represent the amounts for checks issued and cash payments made during a given period, regardless of when the funds were appropriated.

The obligations and outlays reported cover all transactions from all funds available to an agency from direct appropriations, trust funds, or special account receipts, corporate income, or other sources, including funds appropriated by the President, that the agency has received or expects to receive. The amounts reported for each year reflect obligations and outlays for that year, regardless of when the funds were originally authorized or received and regardless of whether they were appropriated, received or identified in the agency's budget specifically for research, development, or R&D plant.

An agency making a transfer of funds to another agency includes such transfers in its report of obligations and outlays. The receiving agency does not report, for purposes of this survey, funds transferred to it from another agency. Similarly, a subdivision of an agency that transfers funds to another subdivision within that agency reports such obligations or outlays as its own.

Obligations and outlays for work performed in foreign countries include funds directly available to Federal agencies and special foreign currencies separately appropriated. The latter currencies are derived largely from provisions of Public Law 480, 1954, as amended.

### 3. cost coverage

Funds reported for research and development reflect full costs. In addition to costs of specific R&D projects the applicable overhead costs are also included. The amounts reported include the costs of planning and administering R&D programs, laboratory overhead, pay of military personnel, and departmental administration.

### 4. fiscal year

The fiscal year in the Federal Government accounting period begins October 1 of a given year and ends September 30 of the following year; thus, fiscal year 1981 began on October 1, 1980, and ended September 30, 1981.

### 5. agency

An agency is an organization of the Federal Government whose principal executive officer reports to the President. The only exception is the Library of Congress, also included in the survey, whose executive officer reports to the Congress. The term subdivision refers to any major organizational unit of a reporting agency, such as a bureau, administration, office, or service.

### 6. performers

Performers are either intramural organizations accomplishing operating functions or extramural organizations or persons receiving support or providing services under a contract or grant.

a. Intramural performers: Agencies of the Federal Government. Their work is carried on directly by their own personnel. Obligations reported under this category are for activities performed directly by a reporting agency, or they represent funds that the agency transfers to another Federal agency for performance of work. The ultimate performer must be a 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 (industrial firms, universities and colleges, other nonprofit institutions, etc.). Intramural performance includes the costs of supplies and equipment, essentially of an "off-the-shelf" nature, that are procured for use in intramural research and development. The cost of Federal personnel engaged in planning and administering intramural and extramural R&D programs are also included as part of the intramural performance total.

b. Extramural performers: All organizations outside the Federal sector that perform with Federal funds under contract or grant. Only those costs associated with actual extramural R&D performance are reported, but these would include costs of materials and supplies to carry out R&D activities. Costs of "off-the-shelf" supplies and equipment procured from extramural suppliers and required to support intramural research and development, however, are considered as part of the costs of intramural performance and not as part of the costs of extramural performance. Extramural performers are identified as follows.

(i) Industrial firms: Those organizations that may legally distribute net earnings to individuals or to other organizations.

(ii) 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, associated research institutes; and agricultural experiment stations.

(iii) Other nonprofit institutions: Private organizations, other than educational institutions, no part of whose net earnings 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 institutions.

(iv) Federally funded research and development centers (FFRDC's): R&D-performing organizations exclusively or substantially financed by the Federal Government that are supported by the Federal Government either to meet a particular R&D objective or, in some instances, to provide major facilities at universities for research and associated training purposes. Each center is administered either by an industrial firm, a university, or another nonprofit institution.

In general, all of the following criteria are met by an organization before it is included in the FFRDC category: (1) Its primary activities include one or more of the following: Basic research, applied research, development, or management of research and development (specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities, production, mapping and surveys, and information dissemination); (2) it is a separate operational unit within the parent organization or is organized as a separately incorporated organization; (3) it performs actual research and development or R&D management either upon direct request of the Federal Government or under a broad charter from the Federal Government, but in either case under the direct monitorship of the Federal Government; (4) it receives its major financial support (70 percent or more) from the Federal Government, usually from one agency; (5) it has, or is expected to have, a long-term relationship

with its sponsoring agency (about five years or more), as evidenced by specific obligations assumed by it and the agency. (6) most or all of its facilities are owned by or are funded under contract with the Federal Government; and (7) it has an average annual budget (operating and capital equipment) of at least \$500,000.

(v) State and local governments: State and local government agencies, excluding State and local universities and colleges, agricultural experiment stations, medical schools, and affiliated hospitals. (Federal R&D funds obligated directly to such State and local educational institutions are included under the universities-and-colleges category in this survey.) Research and development under the State-and-local-government category are performed either directly by State or local agencies or by other organizations under grant or contract from such agencies. Regardless of the ultimate performer, Federal R&D funds directed to State and local governments are reported under the State-and-local government category and no other

(vi) Foreign performers: Foreign citizens, organizations, or governments, as well as international organizations, such as NATO, UNESCO, WHO, performing work abroad financed by the Federal Government. Excluded are payments to U.S. agencies, organizations, or citizens performing research and development abroad for the Federal Government; the survey does not seek information on "offshore" payments. Also excluded are payments to foreign scientists performing in the United States.

(vii) Private individuals: Individuals receiving a Federal R&D grant or contract award directly; in this case obligations are reported under "industrial firms"

## 7. fields of science

The fields of science in this survey are divided into eight broad field categories, each of them consisting of a number of detailed fields. The broad fields are life sciences, psychology, physical sciences, environmental sciences, mathematics and computer sciences, engineering, social sciences, and other sciences not elsewhere classified. The following listing presents the fields grouped under each of the broad fields, together with illustrative disciplines.

a. Life sciences consist of five detailed fields: biological (excluding environmental), environmental biology, agricultural, medical, and life sciences not elsewhere classified. The illustrative disciplines provided below under each of these detailed fields are not intended to be sharp definitions, they represent examples of disciplines generally classified under a given detailed field. A discipline, however, may be classified under another detailed field when the major emphasis is elsewhere. Research in biochemistry could be reported as biological, agricultural, or medical, depending on the orientation of the project. Human biochemistry would be classified under biological, but animal biochemistry or plant biochemistry would be under agricultural. Examples of disciplines under each of the detailed fields are as follows.

*Biological (excluding environmental)*. anatomy; biochemistry, biology, biometry and biostatistics, biophysics, botany, cell biology, entomology and parasitology, genetics, microbiology, neuroscience (biological), nutrition, physiology, zoology, other biological, n.e.c.<sup>1</sup>

*Environmental biology*. ecosystem sciences, evolutionary biology, limnology, physiological ecology, population biology; population and biotic community ecology; systematics; other environmental biology, n.e.c.<sup>1</sup>

*Agricultural*: agronomy; animal sciences; food science and technology; fish and wildlife; forestry; horticulture; plant sciences; soils and soil science; phytopathology; phytoproduction; agriculture, general; other agriculture, n.e.c.<sup>1</sup>

*Medical*: internal medicine, neurology, obstetrics and gynecology, ophthalmology, otolaryngology, pediatrics; preventive medicine; pathology; pharmacology, psychiatry, radiology, surgery, dentistry, pharmacy, veterinary medicine; other medical, n.e.c.<sup>1</sup>

*Life sciences, n.e.c.<sup>1</sup>*

b. Psychology deals with behavior, mental processes, and individual and group characteristics and abilities. Psychology is

<sup>1</sup>Not elsewhere classified. Includes multidisciplinary projects within a broad field and single-discipline projects for which a separate field has not been assigned.

divided into three categories: biological aspects, social aspects, and psychological sciences not elsewhere classified. Examples of disciplines under each of these fields are as follows.

*Biological aspects*: experimental psychology; animal behavior; clinical psychology; comparative psychology; ethology.

*Social aspects*: social psychology; educational, personnel, vocational psychology, and testing; industrial and engineering psychology; development and personality.

*Psychological sciences, n.e.c.<sup>1</sup>*

c. Physical sciences are concerned with understanding of the material universe and its phenomena. They comprise the fields of astronomy, chemistry, physics, and physical sciences not elsewhere classified. Examples of disciplines under each of these fields are as follows:

*Astronomy*. laboratory astrophysics, optical astronomy, radio astronomy, theoretical astrophysics, X ray, Gamma-ray, neutrino astronomy.

*Chemistry*. inorganic, organo-metallic, organic, physical.

*Physics*: acoustics; atomic and molecular; condensed matter; elementary particle; nuclear structure; optics; plasma.

*Physical sciences, n.e.c.<sup>1</sup>*

d. Environmental sciences (terrestrial and extraterrestrial) are concerned (with one exception) with the gross nonbiological properties of the areas of the solar system that directly or indirectly affect man's survival and welfare; they comprise the fields of atmospheric sciences, geological sciences, oceanography, and environmental sciences not elsewhere classified. The one exception is that obligations for studies pertaining to life in the sea, or other bodies of water, are reported as support of oceanography and not biology. Examples of disciplines under each of these fields are as follows:

*Atmospheric sciences*: aeronomy; solar, weather modification; extraterrestrial atmospheres; meteorology.

*Geological sciences*: engineering geophysics, general geology; geodesy and gravity, geomagnetism, hydrology,



inorganic geochemistry; isotopic geochemistry; organic geochemistry, laboratory geophysics; paleomagnetism, paleontology; physical geography and cartography; seismology, soil sciences.

*Oceanography*: biological oceanography; chemical oceanography, physical oceanography, marine geophysics.

*Environmental sciences, n.e.c.*<sup>1</sup>

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

*Mathematics*: algebra; analysis; applied mathematics; foundations and logic; geometry; numerical analysis; statistics; topology.

*Computer sciences*: programming languages; computer and information sciences (general); design, development, and application of computer capabilities to data storage and manipulation; information sciences and systems; systems analysis.

*Mathematics and computer sciences, n.e.c.*<sup>1</sup>

f. Engineering is concerned with studies directed toward developing engineering principles or toward making specific scientific principles usable in engineering practice. Engineering is divided into eight fields: aeronautical, astronautical, chemical, civil, electrical, mechanical, metallurgy and materials, and engineering not elsewhere classified. Examples of disciplines under each of these fields are as follows.

*Aeronautical*: aerodynamics.

*Astronautical*: aerospace; space technology.

*Chemical*: petroleum; petroleum refining; process.

*Civil*: architectural; hydraulic, hydrologic; marine; sanitary and environmental; structural; transportation.

*Electrical*: communication; electronic; power.

*Mechanical*: engineering mechanics

*Metallurgy and materials*: ceramic, mining; textile; welding.

*Engineering, n.e.c.*<sup>1</sup> agricultural, industrial and management, nuclear, ocean engineering systems.

g. Social sciences are directed toward an understanding of the behavior of social institutions and groups and of individuals as members of a group. These sciences include anthropology, economics, political science, sociology, and social sciences not elsewhere classified. Examples of disciplines under each of these fields are as follows:

*Anthropology*: archaeology; cultural and personality; social and ethnology; applied anthropology.

*Economics*: econometrics and economic statistics; history of economic thought; international economics; industrial, labor, and agricultural economics; macroeconomics; microeconomics; public finance and fiscal policy; theory; economic systems and development.

*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; complex organizations; culture and social structure; demography; group interactions, social problems and social welfare, sociological theory.

*Social sciences, n.e.c.*<sup>1</sup> linguistics; research in education; research in history; socioeconomic geography; research in law, e.g., attempts to assess the impact on society of legal systems and practices.

h. Other sciences not elsewhere classified includes multidisciplinary and interdisciplinary projects that cannot be classified within one of the broad fields of science.

## 8. geographic distribution of 1980 r&d obligations

a. Nine agencies participated in the survey covering the geographic distribution of obligations for research and development and R&D plant. These 9 agencies accounted for 97 percent of total Federal R&D and R&D plant obligations in 1981. The respondents were the Departments of Agriculture (USDA), Commerce (including

the Energy Research and Technology Administration), Defense (DOD; Health and Human Services (HHS); the Interior; and Transportation (DOT); also, the Environmental Protection Agency (EPA); NASA; and NSF.

b. Data were requested for the "actual" year 1981 in terms of the principal location (State or outlying area) where the work was performed by the prime contractor, grantee, or intramural organization. When this information was not available in their records, the respondents were asked to assign the obligations to the State, outlying-area, or office abroad where the headquarters of the U.S. prime contractor, grantee, or intramural organization was located.

c. Obligations were reported for research and development as a combined amount.

d. Specifically omitted from the geographic survey were R&D obligations to foreign performers and obligations for R&D plant used in support of foreign performers. Foreign performer data, by country, are reported in another part of the *Federal Funds* survey.

## changes in reporting

Responses from the agencies in this survey, as in the previous ones, reflect revisions of estimates for the latest two years of the previous report, in this case fiscal years 1981 and 1982. Such revision is part of the budgetary cycle. From time to time responses also reflect reappraisals and revisions in classification of various aspects of agencies R&D programs. When this occurs, NSF requires the agencies to provide revised prior-year data to maintain consistency and comparability with the most recent concepts.

## limitations of the data

Funds for research and development are reported on a 3-year basis comparable with the 1983 budget, upon which the data are based. The respondents have reconciled the data reported here with amounts for research and development

provided to OMB for the 1983 budget. The amounts reported for each year, as already stated, are the obligations or outlays incurred in that year, regardless of when the funds were authorized or received by an agency and regardless of whether the funds were identified in the agency's budget specifically for research, development, and/or R&D plant.

Data submitted by the Federal agencies for 1981 are considered to be actual since they represent virtually completed transactions. Amounts reported for 1982 and 1983 are estimates in that they are subject to further appropriation, apportionment, or deferral decisions. The effects of these and other, later actions on 1982 and 1983 outlays and obligations will be reflected in the next report.

Respondent judgment is often necessary in classifying the data. Most agency R&D programs must be separated by agency respondents from other, larger programs because they are not identified as budget-line items. R&D programs, once identified, must then be further subdivided into the survey categories: Basic research, applied research, development, performers, and fields of science. Over the years, however, the participating agencies, have developed increasing skill and consistency in meeting the survey requirements.

Some agencies have not been able to report the full cost of research and development. For example, the headquarters costs of planning and administering R&D programs of the DOD (estimated at a fraction of 1 percent of the DOD R&D total) are not included because this agency has stated that identification of the amounts is impracticable.

R&D plant data are also to some extent underreported because of the difficulty encountered by some agencies, particularly DOD and NASA, in identifying and reporting these data. While DOD reports obligations for R&D plant under the construction appropriation, DOD is able to identify only a small portion of the R&D plant support within R&D contracts that are funded from the RDT&E appropriation. NASA cannot separately identify those portions of industrial R&D contracts applicable to R&D plant but subsumes R&D plant data in the R&D data covering industrial performance, R&D plant data for other performing sectors, however, are reported by NASA.

## relation to other reports

### 1. federal support to universities and colleges

NSF conducts a separate survey covering Federal support to individual universities and colleges. This survey is based on data provided by the Federal agencies under the reporting system established by the Committee on Academic Science and Engineering (CASE) of the Federal Council for Science and Technology. The reports resulting from these surveys are entitled *Federal Support to Universities, Colleges, and Selected Nonprofit Institutions* and often are referred to as the CASE reports.

Both the CASE and *Federal Funds* reports provide data on Federal obligations for research and development and R&D plant to universities and colleges and to university-administered FFRDC's. The CASE report, however, is based on obligations of Federal agencies to each individual academic institution, whereas the *Federal Funds* report is concerned with obligations to universities and colleges as a performer group. The CASE report additionally includes funds for non-R&D activities, such as science education and nonscience support. Further, the CASE survey is based on reports of only 15 agencies (USDA, Commerce, DOD, the Departments of Education, Energy, HHS, the Departments of Housing and Urban Development, the Interior, and Labor, DOT, EPA, NASA, NSF; the Agency for International Development, and the Nuclear Regulatory Commission), whereas the *Federal Funds* survey is composed of obligations of all agencies. The 15 respondents to CASE, however, account for more than 99 percent of total Federal R&D support to universities and colleges and all obligations to university-administered FFRDC's.

The different reporting procedures have led to the reporting of different totals to the CASE and *Federal Funds* surveys, as follows:

a. The obligations for research and development to universities and colleges reported for *Federal Funds* in 1981 amounted

to \$4,478 million, or \$69 million more than the amount reported for CASE.

b. The R&D obligation total for university-administered FFRDC's, as reported to *Federal Funds*, was \$1,829 million in 1981, or \$4 million more than reported for CASE. For *Federal Funds* \$195 million subcontracted by the NASA university-administered Jet Propulsion Laboratory was included in ultimate-performer categories, whereas for CASE the subcontracted amount was included in the R&D obligations to FFRDC's administered by universities.

c. Total R&D plant obligations to universities and colleges reported to the *Federal Funds* survey were \$37 million in 1981, or \$7 million less than the amount reported to the CASE survey.

d. Total R&D plant obligations to university-administered FFRDC's, as reported to *Federal Funds*, were \$371 million in 1981, or \$49 million more than reported to CASE.

The following factors should also be considered in comparing the data appearing in the two reports:

For *Federal Funds* each agency includes as part of its obligations the amounts transferred to other agencies for R&D activities. A receiving agency does not report funds transferred from another agency. In the CASE survey, by contrast, the data are reported by the agency that makes the final distribution of the funds to a given institution. Thus, for the CASE survey, agencies include funds received from other agencies and exclude funds transferred to other agencies, the reverse of the *Federal Funds* process. Although such transfers should balance each other out with no resulting changes in total R&D obligations, these reverse reporting practices add to the possibility of differences between the two reports.

The CASE responses are in many cases prepared by different operating units within each agency from those that prepare the *Federal Funds* responses. The CASE data are also collected several months earlier than the *Federal Funds* data. Theoretically these conditions should not add to reporting differences, but in practice differences do arise.

## 2. special analyses, budget of the united states

In a section of *Special Analyses, Budget of the United States Government*, OMB publishes estimates of obligations and outlays for research, development, and R&D plant. These data, as shown in "Special Analysis K: Research and Development" in the 1983 budget, did not provide as much detail on character of work, performers, fields of science, or geographic distribution as did the *Federal Funds* survey.

Special Analysis K and *Federal Funds* utilized the same definitions for research and development and for R&D plant. The estimates for research and development published in the two reports are comparable, even though minor differences exist. The comparison between the two reports is as follows:

Total Federal R&D obligations  
(Billions of dollars)

	FY 1981	FY 1982	FY 1983
Federal Funds . . . . .	\$34.9	\$39.0	\$43.0
Special Analysis K . . . . .	35.0	38.8	43.0

## 3. federal r&d funding by budget function: fiscal years 1981-83

NSF published a special report under the above title, providing an analysis of Federal R&D programs by budget function categories. The *Federal Funds, Volume XXI* survey, by contrast, reported on R&D funding by agencies rather than functional categories. The *Federal Funds* report provided obligation data rather than budget

authority data, which formed the basis for the function report. The R&D budget authority data for 1981-83 in the function report were based on information provided to OMB by the agencies as background for "Special Analysis K" in the 1983 budget. Further program information was based on budget justification documents of the leading R&D support agencies and information provided directly to NSF by some of the smaller agencies.

## 4. other reports

a. Agencies may classify their R&D programs for purposes other than those for which the *Federal Funds* survey is conducted. Definitions and guidelines that are suitable to these other purposes may result in information that is not comparable with the data transmitted to NSF for *Federal Funds*.

# Federally Funded Research and Development Centers, Fiscal Years 1981-83

## department of defense

### office of the secretary of defense

#### Administered by other nonprofit institutions:

Institute for Defense Analyses (IDA),  
Arlington, Virginia

## department of the navy

#### Administered by universities and colleges:

Center for Naval Analyses (University of Rochester), Arlington, Virginia

## department of the air force

#### Administered by universities and colleges:

Lincoln Laboratory (Massachusetts Institute of Technology), Lexington, Massachusetts

#### Administered by other nonprofit institutions:

Aerospace Corporation, El Segundo, California

C<sup>3</sup> Division (MITRE Corporation),<sup>1</sup> Bedford, Massachusetts

Project Air Force (RAND Corporation),<sup>2</sup> Santa Monica, California

## department of health and human services

### national institutes of health

#### Administered by industrial firms:

Frederick Cancer Research Center (Litton Bionetics, Inc., Litton Industries), Frederick, Maryland

<sup>1</sup>Only the C<sup>3</sup> Division of the MITRE Corporation is reported as an FFRDC. All other agency support to MITRE is reported under other nonprofit institutions excluding FFRDC's.

<sup>2</sup>Only the Project Air Force portion of the RAND Corporation is reported as an FFRDC. All other agency support to RAND is reported under nonprofit institutions excluding FFRDC's.

## department of energy

#### Administered by industrial firms:

Bettis Atomic Power Laboratory (Westinghouse Electric Corp.), Pittsburgh, Pennsylvania

Energy Technology Engineering Center (Rockwell International Corporation), Santa Susana, California

Hanford Engineering Development Laboratory (Westinghouse-Hanford Corp.), Richland, Washington

Idaho National Engineering Laboratory (EG&G Idaho, Inc.); Exxon Nuclear Idaho Co.; Argonne National Laboratory, West; Westinghouse Electric Corp.), Idaho Falls, Idaho

Knolls Atomic Power Laboratory (General Electric Company), Schenectady, New York

Mound Laboratory (Monsanto Research Corp.), Miamisburg, Ohio

Oak Ridge National Laboratory (Union Carbide Corp.), Oak Ridge, Tennessee

Sandia National Laboratories (Western Electric Co., Inc.-Sandia Corp.), Albuquerque, New Mexico

Savannah River Laboratory (E.I. duPont de Nemours & Co., Inc.), Aiken, South Carolina

**Administered by universities and colleges:**

Ames Laboratory (Iowa State University of Science and Technology), Ames, Iowa

Argonne National Laboratory (University of Chicago and Argonne Universities Assn.), Argonne, Illinois

Brookhaven National Laboratory (Associated Universities, Inc.), Upton, Long Island, New York

E. O. Lawrence Berkeley Laboratory (University of California), Berkeley, California

E. O. Lawrence Livermore National Laboratory (University of California), Livermore, California

Fermilab (Universities Research Association, Inc.), Batavia, Illinois

Los Alamos National Laboratory (University of California), Los Alamos, New Mexico

Oak Ridge Institute of Nuclear Studies (Oak Ridge Associated Universities), Oak Ridge, Tennessee

Plasma Physics Laboratory (Princeton University), Princeton, New Jersey

Stanford Linear Accelerator Center (Stanford University), Stanford, California

**Administered by other nonprofit institutions:**

Pacific Northwest Laboratory (Battelle Memorial Institute), Richland, Washington

Solar Energy Research Institute (Midwest Research Institute), Golden, Colorado

**national aeronautics and space administration**

**Administered by universities and colleges:**

Jet Propulsion Laboratory (California Institute of Technology), Pasadena, California

**national science foundation**

**Administered by universities and colleges:**

Cerro Tololo Inter-American Observatory (Association of Universities for Research in Astronomy, Inc.), La Serena, Chile

Kitt Peak National Observatory (Association of Universities for Research in Astronomy, Inc.), Tucson, Arizona

National Astronomy and Ionosphere Center (Cornell University), Arecibo, Puerto Rico

National Center for Atmospheric Research (University Corporation for Atmospheric Research), Boulder, Colorado

National Radio Astronomy Observatory (Associated Universities, Inc.), Green Bank, West Virginia

Sacramento Peak Observatory (Association of Universities for Research in Astronomy, Inc.), Sunspot, New Mexico



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# notes

- Estimates for 1983 are based on *The Budget of the United States Government, Fiscal Year 1983*, as submitted to Congress by the administration, and do not reflect subsequent appropriations and apportionment actions.
- Details may not add to totals because of rounding.
- Asterisks appearing in lieu of figures indicate that the amounts are less than \$50,000 or less than .05 percent.
- The abbreviation FFRDC's appearing in statistical tables refers to federally funded research and development centers.
- Within the Department of Agriculture the Economic Research Service and the Statistical Reporting Service replace the Economics and Statistics Service, the headings Agricultural Research Service and Cooperative State Research Service replace the headings Agricultural Research and Cooperative Research that were formerly included within the Science and Education Administration, the Human Nutrition Information Service is a new heading.
- In tables showing extramural performers, obligations of the Department of Agriculture to agricultural experiment stations are included within obligations to universities and colleges.
- The proposed Energy Research and Technology Administration replaces the Department of Energy and is shown within the Department of Commerce.
- Defense Agencies within the Department of Defense include the Defense Advanced Research Projects Agency, the Defense Nuclear Agency, the Defense Communications Agency, the Defense Mapping Agency, the Defense Logistics Agency, the Uniformed Services University of the Health Sciences, and technical support, Joint Chiefs of Staff/Office of the Secretary of Defense.
- The Bonneville Power Administration, formerly within the Department of Energy, is shown within the Department of the Interior.
- The Maritime Administration, formerly within the Department of Commerce, is shown within the Department of Transportation.
- The Foundation for Education Assistance replaces the Department of Education.
- R&D data reported by the National Aeronautics and Space Administration are in terms of budget plan rather than obligations.
- The historical tables for Volume XXXI, providing R&D data for 1973 through 1983 (C-112 through C-132), are not comparable with totals for those years in appendix tables issued to accompany earlier *Federal Funds* reports. Some prior-year changes occur almost every year, thus changing totals in many categories.

For trend comparisons, use only these tables, appendix C, for Volume XXXI. Do not use the earlier tables in the *Federal Funds* series.

TABLE C-1. SUMMARY OF FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT:  
FISCAL YEARS 1981, 1982, AND 1983

(MILLIONS OF DOLLARS)

ITEM	ACTUAL, 1981	ESTIMATES			
		1982	% CHG 1981-1982	1983	% CHG 1982-1983
TOTAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT .....	35,785.9	39,316.8	9.9%	42,381.5	7.8%
RESEARCH AND DEVELOPMENT .....	34,179.2	37,621.6	10.1	41,173.6	9.4
R&D PLANT .....	1,606.7	1,695.3	5.5	1,207.9	-28.7
TOTAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT .....	36,403.1	40,438.0	11.1	44,272.4	9.5
RESEARCH AND DEVELOPMENT .....	34,917.4	38,954.1	11.6	42,973.8	10.3
PERFORMERS:					
FEDERAL INTRAMURAL 1/.....	8,728.8	9,645.1	10.5	10,164.3	5.4
INDUSTRIAL FIRMS .....	16,260.6	19,212.3	18.2	22,442.6	16.8
FFRDCS ADMINISTERED BY INDUSTRIAL FIRMS .....	1,413.9	1,476.9	4.5	1,441.9	-2.4
UNIVERSITIES AND COLLEGES .....	4,478.0	4,583.5	2.4	4,720.0	3.0
FFRDCS ADMINISTERED BY UNIVERSITIES AND COLLEGES .....	1,828.5	1,889.8	3.3	1,962.8	3.9
OTHER NONPROFIT INSTITUTIONS .....	1,120.2	1,112.3	-0.7	1,165.7	4.8
FFRDCS ADMINISTERED BY NONPROFIT INSTITUTIONS .....	525.2	490.6	-6.6	558.2	13.8
STATE AND LOCAL GOVERNMENTS .....	222.2	201.7	-9.2	204.5	1.4
FOREIGN .....	340.0	342.0	.6	313.8	-8.2
RESEARCH .....	12,212.8	12,595.0	3.1	13,244.9	5.3
PERFORMERS:					
FEDERAL INTRAMURAL 1/.....	4,034.2	4,152.5	2.9	4,402.8	6.0
INDUSTRIAL FIRMS .....	1,958.3	1,974.8	.8	2,137.1	8.2
FFRDCS ADMINISTERED BY INDUSTRIAL FIRMS .....	351.3	417.5	18.8	407.9	-2.3
UNIVERSITIES AND COLLEGES .....	3,920.2	3,996.9	2.0	4,130.1	3.3
FFRDCS ADMINISTERED BY UNIVERSITIES AND COLLEGES .....	940.6	1,019.2	8.4	1,107.5	8.7
OTHER NONPROFIT INSTITUTIONS .....	705.2	697.6	-1.1	721.5	3.4
FFRDCS ADMINISTERED BY NONPROFIT INSTITUTIONS .....	67.7	87.5	28.2	93.5	6.8
STATE AND LOCAL GOVERNMENTS .....	129.3	123.5	-4.5	140.6	13.9
FOREIGN .....	106.0	125.8	18.7	123.8	-1.6
FIELDS OF SCIENCE:					
LIFE SCIENCES .....	4,435.6	4,593.0	3.5	4,735.0	3.1
PSYCHOLOGY .....	208.9	214.8	2.8	258.0	20.1
PHYSICAL SCIENCES .....	2,220.5	2,510.1	13.0	2,846.3	13.4
ENVIRONMENTAL SCIENCES .....	1,121.1	1,092.8	-2.5	1,097.7	-.5
MATHEMATICS AND COMPUTER SCIENCES .....	78.9	310.6	11.3	356.5	14.8
ENGINEERING .....	3,071.5	3,136.9	2.1	3,172.3	1.1
SOCIAL SCIENCES .....	497.4	405.8	-18.4	397.8	-2.0
OTHER SCIENCES, NEC .....	378.8	331.1	-12.6	401.3	21.2
BASIC RESEARCH .....	5,041.3	5,310.9	5.3	5,765.2	8.6
PERFORMERS:					
FEDERAL INTRAMURAL 1/.....	1,301.8	1,396.2	7.2	1,541.6	10.4
INDUSTRIAL FIRMS .....	292.9	316.6	8.1	383.5	21.2
FFRDCS ADMINISTERED BY INDUSTRIAL FIRMS .....	73.3	80.5	9.8	87.8	9.1
UNIVERSITIES AND COLLEGES .....	2,503.2	2,618.0	4.6	2,758.9	5.4
FFRDCS ADMINISTERED BY UNIVERSITIES AND COLLEGES .....	490.6	514.2	4.8	590.8	14.9
OTHER NONPROFIT INSTITUTIONS .....	313.1	315.8	.8	329.9	4.5
FFRDCS ADMINISTERED BY NONPROFIT INSTITUTIONS .....	8.6	8.2	-5.3	9.4	14.8
STATE AND LOCAL GOVERNMENTS .....	26.5	28.4	6.9	32.3	14.0
FOREIGN .....	31.2	33.1	6.2	31.0	-6.2
FIELDS OF SCIENCE:					
LIFE SCIENCES .....	2,223.9	2,330.0	4.8	2,428.3	4.2
PSYCHOLOGY .....	91.0	92.3	1.4	100.0	8.4
PHYSICAL SCIENCES .....	1,324.9	1,432.0	8.1	1,650.4	15.2
ENVIRONMENTAL SCIENCES .....	532.8	523.7	-1.7	559.4	6.8
MATHEMATICS AND COMPUTER SCIENCES .....	140.4	164.9	17.5	185.5	12.5
ENGINEERING .....	526.0	587.9	11.8	655.4	11.5
SOCIAL SCIENCES .....	137.0	121.5	-11.3	124.3	2.3
OTHER SCIENCES, NEC .....	65.4	58.6	-10.4	62.0	5.8
APPLIED RESEARCH .....	7,171.5	7,284.1	1.6	7,499.7	3.0
PERFORMERS:					
FEDERAL INTRAMURAL 1/.....	2,732.4	2,756.2	.9	2,861.2	3.8
INDUSTRIAL FIRMS .....	1,665.4	1,658.2	-.4	1,753.6	5.8
FFRDCS ADMINISTERED BY INDUSTRIAL FIRMS .....	278.1	337.0	21.2	320.1	-5.0
UNIVERSITIES AND COLLEGES .....	1,416.9	1,378.9	-2.7	1,371.3	-.6
FFRDCS ADMINISTERED BY UNIVERSITIES AND COLLEGES .....	450.0	504.9	12.2	516.8	2.3
OTHER NONPROFIT INSTITUTIONS .....	392.1	381.9	-2.6	391.6	2.5
FFRDCS ADMINISTERED BY NONPROFIT INSTITUTIONS .....	59.1	79.3	34.3	84.1	6.0
STATE AND LOCAL GOVERNMENTS .....	102.8	95.1	-7.5	108.3	13.9
FOREIGN .....	74.8	92.7	23.9	92.8	.1
FIELDS OF SCIENCE:					
LIFE SCIENCES .....	2,211.8	2,263.1	2.3	2,306.7	1.9
PSYCHOLOGY .....	117.9	122.5	3.9	158.0	29.0
PHYSICAL SCIENCES .....	895.6	1,078.0	20.4	1,195.9	10.9
ENVIRONMENTAL SCIENCES .....	588.3	569.1	-3.3	538.3	-9.4
MATHEMATICS AND COMPUTER SCIENCES .....	138.6	145.6	5.1	171.0	17.4
ENGINEERING .....	2,545.5	2,549.0	.1	2,517.0	-1.3
SOCIAL SCIENCES .....	360.5	284.3	-21.1	273.5	-3.8
OTHER SCIENCES, NEC .....	313.5	272.5	-13.1	339.3	24.5

CONTINUED ON NEXT PAGE



TABLE C-1. SUMMARY OF FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT:  
FISCAL YEARS 1981, 1982, AND 1983

(MILLIONS OF DOLLARS)

- CONTINUED

ITEM	ACTUAL, 1981	ESTIMATES			
		1982	% CHG 1981-1982	1983	% CHG 1982-1983
DEVELOPMENT .....	22,704.6	26,359.1	16.1%	29,708.9	12.7%
PERFORMERS:					
FEDERAL INTRAMURAL 1/.....	4,694.6	5,492.8	17.0	5,761.5	4.9
INDUSTRIAL FIRMS .....	14,302.3	17,237.5	20.5	20,305.5	17.8
FFRDCS ADMINISTERED BY INDUSTRIAL FIRMS .....	1,062.6	1,059.4	-.3	1,034.0	-2.4
UNIVERSITIES AND COLLEGES .....	557.8	586.6	5.2	589.9	.6
FFRDCS ADMINISTERED BY UNIVERSITIES AND COLLEGES .....	887.9	870.6	-2.0	855.2	-1.8
OTHER NONPROFIT INSTITUTIONS .....	415.0	414.7	-.1	444.2	7.1
FFRDCS ADMINISTERED BY NONPROFIT INSTITUTIONS .....	457.5	403.1	-11.9	464.7	15.3
STATE AND LOCAL GOVERNMENTS .....	92.9	78.3	-15.7	63.9	-18.4
FDREIGN .....	234.0	216.2	-7.6	190.0	-12.1
R&D PLANT .....	1,485.7	1,483.9	-.1	1,298.6	-12.5
PERFORMERS SUPPORTED:					
FEDERAL INTRAMURAL .....	468.0	460.3	-1.6	559.2	21.5
INDUSTRIAL FIRMS .....	302.1	188.8	-37.5	73.1	-61.3
FFRDCS ADMINISTERED BY INDUSTRIAL FIRMS .....	246.5	294.7	19.5	189.5	-35.7
UNIVERSITIES AND COLLEGES .....	37.0	32.9	-11.1	45.9	39.3
FFRDCS ADMINISTERED BY UNIVERSITIES AND COLLEGES .....	370.9	433.2	16.8	274.5	-36.6
OTHER NONPROFIT INSTITUTIONS .....	41.3	61.6	49.1	146.2	137.4
FFRDCS ADMINISTERED BY NONPROFIT INSTITUTIONS .....	15.1	8.1	-46.3	5.3	-34.3
FDREIGN .....	4.8	4.2	-12.1	4.9	14.9

1/ COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS ARE COVERED AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-2. FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983  
(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	1981	ESTIMATES		1981	ESTIMATES	
		1982	1983		1982	1983
TOTAL, ALL AGENCIES .....	36,403.1	40,438.0	44,272.4	35,785.9	39,316.8	42,381.5
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL .....	794.7	842.0	869.2	782.5	845.8	859.8
AGRICULTURAL COOPERATIVE SERVICE .....	1.7	1.8	1.4	1.3	1.8	1.4
AGRICULTURAL MARKETING SERVICE .....	1.1	1.5	-	1.2	1.5	-
AGRICULTURAL RESEARCH SERVICE .....	411.6	446.2	475.4	425.9	441.9	467.0
COOPERATIVE STATE RESEARCH SERVICE .....	199.4	221.2	232.1	199.0	226.6	228.6
ECONOMIC RESEARCH SERVICE .....	39.3	39.4	40.6	38.0	39.1	40.3
FOREST SERVICE .....	129.2	110.8	98.4	101.8	114.9	100.2
HUMAN NUTRITION INFORMATION SERVICE .....	-	9.2	8.3	-	5.9	7.6
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT .....	3.9	4.0	3.9	6.9	6.2	5.8
OFFICE OF TRANSPORTATION .....	.9	1.0	.9	.9	1.0	.9
STATISTICAL REPORTING SERVICE .....	7.5	7.0	8.0	7.5	7.0	8.0
DEPARTMENT OF COMMERCE, TOTAL .....	6,225.7	5,846.4	4,871.9	6,472.7	6,526.8	4,997.0
BUREAU OF THE CENSUS .....	3.9	3.8	4.1	3.8	3.6	4.1
ECONOMIC DEVELOPMENT ADMINISTRATION .....	28.1	8.4	-	35.5	9.4	3.4
ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION .....	5,896.4	5,558.6	4,634.0	6,125.9	6,221.6	4,740.1
NATIONAL BUREAU OF STANDARDS .....	83.0	99.3	83.5	84.4	93.5	85.8
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION .....	202.2	166.3	140.8	209.0	183.5	150.8
NATIONAL TELECOMMUNICATIONS & INFORMATION ADMIN .....	10.9	11.3	8.9	12.9	14.2	12.2
OFFICE OF THE SECRETARY .....	-	.1	-	.1	.2	-
PATENT AND TRADEMARK OFFICE .....	1.1	.6	.7	1.1	.6	.7
DEPARTMENT OF DEFENSE, TOTAL .....	16,786.3	20,887.5	24,885.5	15,993.0	19,079.0	23,042.5
DEPARTMENT OF THE ARMY .....	3,257.0	3,730.0	4,627.2	3,123.7	3,550.3	4,233.8
MILITARY FUNCTIONS .....	3,226.7	3,701.0	4,596.8	3,093.7	3,521.3	4,203.4
MILITARY CONSTRUCTION .....	9.6	22.9	28.4	5.8	9.2	19.3
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D .....	131.1	146.9	145.6	129.9	146.0	145.2
RDT&E APPROPRIATION .....	3,086.0	3,531.2	4,422.8	2,958.0	3,366.1	4,038.9
CIVIL FUNCTIONS (CORPS OF ENGINEERS) .....	30.3	29.0	30.4	30.0	29.0	30.4
DEPARTMENT OF THE NAVY .....	5,103.9	5,930.7	6,378.6	4,916.9	5,570.9	6,107.5
MILITARY CONSTRUCTION .....	18.0	25.6	26.0	12.2	17.0	17.2
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D .....	120.2	141.4	142.4	119.3	141.1	142.2
RDT&E APPROPRIATION .....	4,965.5	5,759.6	6,206.8	4,782.9	5,411.6	5,947.1
SPECIAL FOREIGN CURRENCY PROGRAM .....	.2	4.1	3.4	2.5	1.2	1.0
DEPARTMENT OF THE AIR FORCE .....	7,128.8	9,494.1	11,604.0	6,756.6	8,405.8	10,684.0
MILITARY CONSTRUCTION .....	108.6	50.3	124.0	87.0	49.6	96.0
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D .....	333.7	392.7	397.1	328.7	386.9	391.0
RDT&E APPROPRIATION .....	6,686.5	9,051.1	11,082.9	6,340.9	7,969.3	10,197.0
DEFENSE AGENCIES .....	1,255.6	1,681.8	2,217.3	1,160.0	1,508.6	1,965.0
MILITARY CONSTRUCTION .....	-	.5	.2	-	-	-
RDT&E APPROPRIATION .....	1,255.6	1,681.3	2,217.1	1,160.0	1,508.1	1,964.8
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	41.1	50.9	58.4	35.7	43.4	52.2
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL .....	3,950.9	4,002.8	4,172.4	3,997.5	3,992.1	4,087.7
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION .....	239.7	259.0	288.8	251.1	263.1	280.6
CENTERS FOR DISEASE CONTROL .....	74.8	70.5	72.0	83.0	75.1	73.6
FOOD & DRUG ADMINISTRATION .....	72.6	74.7	109.7	57.6	59.2	63.3
HEALTH CARE FINANCING ADMINISTRATION .....	38.6	29.5	30.0	35.4	29.5	30.0
HEALTH RESOURCES ADMINISTRATION .....	5.0	2.5	-	3.7	4.3	3.4
HEALTH SERVICES ADMINISTRATION .....	20.3	4.0	1.9	16.9	6.9	4.3
HUMAN DEVELOPMENT SERVICES .....	73.7	61.3	64.5	85.5	70.6	59.8
NATIONAL INSTITUTES OF HEALTH .....	3,355.5	3,454.8	3,554.1	3,392.2	3,423.9	3,516.3
OFFICE OF ASSISTANT SECRETARY FOR HEALTH .....	33.1	16.6	16.9	37.2	30.0	23.3
OFFICE OF THE SECRETARY .....	19.5	13.4	14.7	19.5	13.4	14.7
SOCIAL SECURITY ADMINISTRATION .....	18.0	16.5	19.8	15.4	15.9	18.3
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT .....	48.1	34.5	31.1	54.1	39.2	36.5
DEPARTMENT OF THE INTERIOR, TOTAL .....	430.6	405.1	366.4	436.9	412.1	374.4
BONNEVILLE POWER ADMINISTRATION .....	14.4	19.1	22.1	14.0	19.9	22.0
BUREAU OF LAND MANAGEMENT .....	1.9	2.0	2.7	1.9	2.7	2.7
BUREAU OF MINES .....	97.4	94.9	77.9	109.0	98.0	83.9
BUREAU OF RECLAMATION .....	14.3	10.4	10.1	13.4	13.8	10.1
GEOLOGICAL SURVEY .....	169.8	157.8	149.5	168.2	158.7	149.1
NATIONAL PARK SERVICE .....	10.4	11.1	10.8	10.4	11.1	10.8
OFFICE OF THE SECRETARY .....	1.5	.6	.6	2.0	.5	.6
OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT .....	5.8	1.0	1.5	5.8	1.0	1.5
OFFICE OF WATER RESEARCH & TECHNOLOGY .....	21.8	13.4	-	21.8	13.4	-
UNITED STATES FISH AND WILDLIFE SERVICE .....	93.3	94.8	91.3	90.5	93.1	93.7

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TABLE C-2. FEDERAL FUNDS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	1981	ESTIMATES		1981	ESTIMATES	
		1982	1983		1982	1983
DEPARTMENT OF JUSTICE, TOTAL	26.5	30.0	22.0	26.1	30.2	29.3
DRUG ENFORCEMENT ADMINISTRATION	1.3	3.4	1.9	1.2	2.0	2.1
FEDERAL BUREAU OF INVESTIGATION	.7	2.1	1.1	1.5	2.0	2.3
FEDERAL PRISON SYSTEM	2.5	2.6	2.6	2.5	2.6	2.6
IMMIGRATION AND NATURALIZATION SERVICE	.1	1.3	.4	1.0	1.3	.4
OFFICE OF THE ATTORNEY GENERAL	.8	.9	.8	.7	.8	.7
OFFICE OF JUSTICE ASSISTANCE, RESEARCH, AND STATISTICS	21.0	19.7	15.2	19.2	21.5	21.2
DEPARTMENT OF LABOR, TOTAL	62.2	30.8	9.9	61.6	36.1	9.7
BUREAU OF LABOR STATISTICS	0.3	0.3	0.3	0.3	0.3	0.3
EMPLOYMENT STANDARDS ADMINISTRATION	3.2	2.0	1.9	3.0	1.8	1.8
EMPLOYMENT AND TRAINING ADMINISTRATION	52.4	21.3	-	52.1	26.9	-
LABOR-MANAGEMENT SERVICES ADMINISTRATION	1.8	.6	.6	1.7	.6	.6
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	3.0	4.9	5.7	3.0	4.9	5.7
OFFICE OF THE SECRETARY	1.1	.9	.9	1.0	.8	.8
PENSION BENEFIT GUARANTEE CORPORATION	.5	.8	.5	.5	.8	.5
DEPARTMENT OF STATE, TOTAL	1.8	2.0	1.8	1.8	2.0	1.8
DEPARTMENTAL FUNDS	1.8	2.0	1.8	1.8	2.0	1.8
DEPARTMENT OF TRANSPORTATION, TOTAL	434.5	342.1	375.9	432.1	346.2	329.7
COAST GUARD	26.3	18.0	15.0	25.9	18.0	15.0
FEDERAL AVIATION ADMINISTRATION	128.9	102.7	160.3	125.9	103.3	129.7
FEDERAL HIGHWAY ADMINISTRATION	51.2	49.9	51.8	59.1	53.2	50.7
FEDERAL RAILROAD ADMINISTRATION	46.1	43.3	20.0	55.0	30.0	19.5
MARITIME ADMINISTRATION	14.2	9.3	16.8	17.4	14.2	15.4
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	66.4	55.3	59.7	60.8	64.2	57.2
OFFICE OF THE SECRETARY	10.1	4.0	7.8	13.9	6.6	5.1
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION	13.1	11.2	10.5	12.3	7.8	7.8
URBAN MASS TRANSPORTATION ADMINISTRATION	78.2	48.4	34.0	61.9	48.9	29.3
DEPARTMENT OF THE TREASURY, TOTAL	11.4	12.1	13.2	10.8	12.5	13.4
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	.3	-	-	.3	-	-
BUREAU OF ENGRAVING AND PRINTING	2.7	4.0	2.2	2.7	4.0	2.2
INTERNAL REVENUE SERVICE	4.2	5.1	7.9	4.2	5.1	7.9
OFFICE OF PROTECTIVE RESEARCH	.6	-	-	.1	.4	.2
UNITED STATES CUSTOMS SERVICE	3.5	3.0	3.1	3.5	3.0	3.1
OTHER AGENCIES						
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	2.2	1.9	1.9	1.9	1.9	1.9
APPALACHIAN REGIONAL COMMISSION	.4	.4	-	.4	.4	-
COMMUNITY SERVICES ADMINISTRATION	18.3	-	-	26.2	6.2	-
CONSUMER PRODUCT SAFETY COMMISSION	.5	.2	.6	.9	.3	.4
ENVIRONMENTAL PROTECTION AGENCY	325.7	317.1	229.9	344.3	334.7	273.9
FEDERAL COMMUNICATIONS COMMISSION	1.8	1.0	.7	1.6	.9	.6
FEDERAL EMERGENCY MANAGEMENT AGENCY	11.6	9.3	18.1	11.6	9.3	18.1
FEDERAL HOME LOAN BANK BOARD	1.0	1.2	1.5	1.0	1.2	1.5
FEDERAL TRADE COMMISSION	1.1	1.2	1.3	1.1	1.2	1.3
FOUNDATION FOR EDUCATION ASSISTANCE 2/	104.9	84.9	87.0	111.8	105.6	104.1
GENERAL SERVICES ADMINISTRATION	.6	.8	1.5	.6	.8	1.5
INTERNATIONAL COMMUNICATION AGENCY	1.5	1.5	.2	1.2	1.7	1.1
INTERNATIONAL DEVELOPMENT COOPERATION AGENCY	142.2	163.8	139.9	166.1	168.7	195.3
AGENCY FOR INTERNATIONAL DEVELOPMENT	142.2	163.8	139.9	166.1	168.7	195.3
INTERNATIONAL TRADE COMMISSION	3.4	3.6	4.0	3.4	3.6	4.0
LIBRARY OF CONGRESS	4.9	5.3	5.3	5.1	5.6	5.2
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	5,522.4	5,940.0	6,612.9	5,425.6	5,831.0	6,582.0
NATIONAL SCIENCE FOUNDATION	976.2	970.5	1,049.2	905.0	1,027.8	923.0
NUCLEAR REGULATORY COMMISSION	227.3	222.7	219.7	216.0	213.8	206.5
OFFICE OF PERSONNEL MANAGEMENT	8.4	5.8	5.1	8.1	5.6	4.9
SMITHSONIAN INSTITUTION	45.3	48.9	51.8	43.9	48.1	51.7
TENNESSEE VALLEY AUTHORITY	69.3	82.5	74.7	94.3	87.9	74.7
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	2.4	.7	1.2	2.4	.7	1.2
VETERANS ADMINISTRATION	159.2	137.4	146.8	144.3	137.8	147.0

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

\* INDICATES AMOUNT LESS THAN \$50,000.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-3. FEDERAL FUNDS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983  
(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	1981	ESTIMATES		1981	ESTIMATES	
		1982	1983		1982	1983
TOTAL, ALL AGENCIES .....	34,917.4	38,954.1	42,973.8	34,179.2	37,621.6	41,173.5
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL .....	774.0	807.4	838.9	742.4	806.5	825.9
AGRICULTURAL COOPERATIVE SERVICE .....	1.7	1.8	1.4	1.3	1.8	1.4
AGRICULTURAL MARKETING SERVICE .....	1.1	1.5	-	1.2	1.5	-
AGRICULTURAL RESEARCH SERVICE .....	394.1	412.0	454.5	390.1	405.3	435.8
COOPERATIVE STATE RESEARCH SERVICE .....	199.4	221.2	223.3	199.0	226.6	226.8
ECONOMIC RESEARCH SERVICE .....	39.3	39.4	40.6	38.0	39.1	40.3
FOREST SERVICE .....	126.1	110.4	98.0	98.6	112.2	99.2
HUMAN NUTRITION INFORMATION SERVICE .....	-	9.2	8.3	-	5.9	7.6
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT .....	3.9	4.0	3.9	6.9	6.2	5.8
OFFICE OF TRANSPORTATION .....	.9	1.0	.9	.9	1.0	.9
STATISTICAL REPORTING SERVICE .....	7.5	7.0	8.0	7.5	7.0	8.0
DEPARTMENT OF COMMERCE, TOTAL .....	5,246.2	4,864.4	4,178.9	5,386.9	5,344.3	4,350.9
BUREAU OF THE CENSUS .....	3.9	3.8	4.1	3.8	3.6	4.1
ECONOMIC DEVELOPMENT ADMINISTRATION .....	28.1	8.4	-	35.5	9.4	3.4
ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION 1/ .....	4,918.2	4,583.5	3,944.2	5,041.4	5,046.5	4,097.0
NATIONAL BUREAU OF STANDARDS .....	82.5	90.3	80.3	83.9	86.1	82.8
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION .....	201.4	166.3	140.8	208.1	183.5	150.8
NATIONAL TELECOMMUNICATIONS & INFORMATION ADMIN .....	10.9	11.3	8.9	12.9	14.2	12.2
OFFICE OF THE SECRETARY .....	-	.1	-	.1	.2	-
PATENT AND TRADEMARK OFFICE .....	1.1	.6	.7	1.1	.6	.7
DEPARTMENT OF DEFENSE, TOTAL .....	16,508.6	20,602.3	24,519.6	15,754.5	18,830.8	22,722.3 <sup>2</sup>
DEPARTMENT OF THE ARMY .....	3,244.2	3,702.2	4,594.3	3,114.8	3,537.0	4,210.0
MILITARY FUNCTIONS .....	3,213.9	3,673.2	4,563.9	3,084.8	3,508.0	4,179.6
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D .....	131.1	146.9	145.6	129.9	146.0	145.2
RDT&E APPROPRIATION .....	3,082.8	3,526.3	4,418.3	2,954.9	3,362.0	4,034.4
CIVIL FUNCTIONS (CORPS OF ENGINEERS) .....	30.3	29.0	30.4	30.0	29.0	30.4
DEPARTMENT OF THE NAVY .....	5,006.0	5,820.2	6,251.4	4,824.7	5,475.2	5,991.9
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D .....	120.2	141.4	142.4	119.3	141.1	142.2
RDT&E APPROPRIATION .....	4,885.8	5,674.7	6,105.6	4,702.9	5,332.9	5,848.7
SPECIAL FOREIGN CURRENCY PROGRAM .....	.2	4.1	3.4	2.5	1.2	1.0
DEPARTMENT OF THE AIR FORCE .....	6,969.2	9,355.8	11,405.0	6,626.6	8,275.2	10,510.0
PAY & ALLOWANCES OF MILITARY PERSONNEL IN R&D .....	333.7	392.7	397.1	328.7	386.9	391.0
RDT&E APPROPRIATION .....	6,635.5	8,963.1	11,007.9	6,297.9	7,888.3	10,119.0
DEFENSE AGENCIES .....	1,248.2	1,673.2	2,210.5	1,152.6	1,500.0	1,958.2
RDT&E APPROPRIATION .....	1,248.2	1,673.2	2,210.5	1,152.6	1,500.0	1,958.2
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	41.1	50.9	58.4	35.7	43.4	52.2
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL .....	3,927.1	3,967.9	4,117.8	3,954.9	3,958.2	4,052.7
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION .....	239.4	252.2	288.7	250.9	262.0	276.8
CENTERS FOR DISEASE CONTROL .....	74.8	70.5	72.0	83.0	75.1	73.6
FOOD & DRUG ADMINISTRATION .....	71.4	72.7	74.7	57.1	58.2	59.8
HEALTH CARE FINANCING ADMINISTRATION .....	38.6	29.5	30.0	35.4	29.5	30.0
HEALTH RESOURCES ADMINISTRATION .....	5.0	2.5	-	3.7	4.3	3.4
HEALTH SERVICES ADMINISTRATION .....	20.3	4.0	1.9	16.9	6.9	4.3
HUMAN DEVELOPMENT SERVICES .....	73.7	61.3	64.5	85.5	70.6	59.8
NATIONAL INSTITUTES OF HEALTH .....	3,333.2	3,428.7	3,534.6	3,350.2	3,392.1	3,488.6
OFFICE OF ASSISTANT SECRETARY FOR HEALTH .....	33.1	16.6	16.9	37.2	30.0	23.3
OFFICE OF THE SECRETARY .....	19.5	13.4	14.7	19.5	13.4	14.7
SOCIAL SECURITY ADMINISTRATION .....	18.0	16.5	19.8	15.4	15.9	18.3
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT .....	48.1	34.5	31.1	54.1	39.2	36.5
DEPARTMENT OF THE INTERIOR, TOTAL .....	427.1	403.4	364.7	432.8	410.1	372.8
BONNEVILLE POWER ADMINISTRATION .....	14.2	18.7	21.7	13.7	19.5	21.7
BUREAU OF LAND MANAGEMENT .....	1.9	2.0	2.7	1.9	2.7	2.7
BUREAU OF MINES .....	96.7	94.6	77.9	106.9	97.7	83.6
BUREAU OF RECLAMATION .....	14.3	10.4	10.1	13.4	13.8	10.1
GEOLOGICAL SURVEY .....	169.8	157.8	149.5	168.2	158.7	149.1
NATIONAL PARK SERVICE .....	10.4	11.1	10.8	10.4	11.1	10.8
OFFICE OF THE SECRETARY .....	1.5	.6	.6	2.0	.5	.6
OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT .....	5.8	1.0	1.5	5.8	1.0	1.5
OFFICE OF WATER RESEARCH & TECHNOLOGY .....	21.1	12.8	-	21.1	12.8	-
UNITED STATES FISH AND WILDLIFE SERVICE .....	91.5	94.3	89.9	89.5	92.3	92.7

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TABLE C-3. FEDERAL FUNDS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	OBLIGATIONS			OUTLAYS		
	1981	ESTIMATES		1981	ESTIMATES	
		1982	1983		1982	1983
DEPARTMENT OF JUSTICE, TOTAL	26.5	30.0	22.0	26.1	30.2	29.3
DRUG ENFORCEMENT ADMINISTRATION	1.3	3.4	1.9	1.2	2.0	2.1
FEDERAL BUREAU OF INVESTIGATION	.7	2.1	1.1	1.5	2.0	2.3
FEDERAL PRISON SYSTEM	2.5	2.6	2.6	2.5	2.6	2.6
IMMIGRATION AND NATURALIZATION SERVICE	.1	1.3	.4	1.0	1.3	.4
OFFICE OF THE ATTORNEY GENERAL	.8	.9	.8	.7	.8	.7
OFFICE OF JUSTICE ASSISTANCE, RESEARCH, AND STATISTICS	21.0	19.7	15.2	19.2	21.5	21.2
DEPARTMENT OF LABOR, TOTAL	62.2	30.8	9.9	61.6	36.1	9.7
BUREAU OF LABOR STATISTICS	0.3	0.3	0.3	0.3	0.3	0.3
EMPLOYMENT STANDARDS ADMINISTRATION	3.2	2.0	1.9	3.0	1.8	1.8
EMPLOYMENT AND TRAINING ADMINISTRATION	52.4	21.3	-	52.1	26.9	-
LABOR-MANAGEMENT SERVICES ADMINISTRATION	1.8	.6	.6	1.7	.6	.6
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	3.0	4.9	5.7	3.0	4.9	5.7
OFFICE OF THE SECRETARY	1.1	.9	.9	1.0	.8	.8
PENSION BENEFIT GUARANTEE CORPORATION	.5	.8	.5	.5	.8	.5
DEPARTMENT OF STATE, TOTAL	1.8	2.0	1.8	1.8	2.0	1.8
DEPARTMENTAL FUNDS	1.8	2.0	1.8	1.8	2.0	1.8
DEPARTMENT OF TRANSPORTATION, TOTAL	415.5	327.8	366.5	415.9	326.4	321.6
COAST GUARD	26.3	18.0	15.0	25.9	18.0	15.0
FEDERAL AVIATION ADMINISTRATION	120.0	96.7	151.5	119.8	99.0	123.5
FEDERAL HIGHWAY ADMINISTRATION	51.2	49.9	51.8	56.3	48.9	50.7
FEDERAL RAILROAD ADMINISTRATION	36.6	35.6	20.0	48.2	19.4	18.2
MARITIME ADMINISTRATION	14.2	9.3	16.8	17.4	14.2	15.4
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION	65.9	54.7	59.1	60.3	63.6	56.6
OFFICE OF THE SECRETARY	10.1	4.0	7.8	13.9	6.6	5.1
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION	13.1	11.2	10.5	12.3	7.8	7.8
URBAN MASS TRANSPORTATION ADMINISTRATION	78.2	48.4	34.0	61.9	48.9	29.3
DEPARTMENT OF THE TREASURY, TOTAL	11.3	12.1	13.2	10.8	12.4	13.3
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS	.3	-	-	.3	-	-
BUREAU OF ENGRAVING AND PRINTING	2.7	4.0	2.2	2.7	4.0	2.2
INTERNAL REVENUE SERVICE	4.2	5.1	7.9	4.2	5.1	7.9
OFFICE OF PROTECTIVE RESEARCH	.6	-	-	.1	.4	.2
UNITED STATES CUSTOMS SERVICE	3.5	2.9	3.0	3.5	2.9	3.0
OTHER AGENCIES						
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS	2.2	1.9	1.9	1.9	1.9	1.9
APPALACHIAN REGIONAL COMMISSION	.4	.4	-	.4	.4	-
COMMUNITY SERVICES ADMINISTRATION	18.3	-	-	26.2	6.2	-
CONSUMER PRODUCT SAFETY COMMISSION	.5	.2	.6	.9	.3	.4
ENVIRONMENTAL PROTECTION AGENCY	325.7	317.1	229.9	344.3	334.7	273.9
FEDERAL COMMUNICATIONS COMMISSION	1.8	1.0	.7	1.6	.9	.6
FEDERAL EMERGENCY MANAGEMENT AGENCY	11.6	9.3	18.1	11.6	9.3	18.1
FEDERAL HOME LOAN BANK BOARD	1.0	1.2	1.5	1.0	1.2	1.5
FEDERAL TRADE COMMISSION	1.1	1.2	1.3	1.1	1.2	1.3
FOUNDATION FOR EDUCATION ASSISTANCE 2/	104.9	84.9	87.0	111.8	105.6	104.1
GENERAL SERVICES ADMINISTRATION	.6	.8	1.5	.6	.8	1.5
INTERNATIONAL COMMUNICATION AGENCY	1.5	1.5	.2	1.2	1.7	1.1
INTERNATIONAL DEVELOPMENT COOPERATION AGENCY	134.2	155.9	132.0	159.9	159.5	183.3
AGENCY FOR INTERNATIONAL DEVELOPMENT	134.2	155.9	132.0	159.9	159.5	183.3
INTERNATIONAL TRADE COMMISSION	3.4	3.6	4.0	3.4	3.6	4.0
LIBRARY OF CONGRESS	4.9	5.3	5.3	5.1	5.6	5.2
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	5,406.6	5,841.3	6,512.9	5,278.7	5,696.1	6,460.2
NATIONAL SCIENCE FOUNDATION	961.6	959.6	1,025.1	892.3	1,018.3	907.8
NUCLEAR REGULATORY COMMISSION	219.7	215.8	213.5	208.7	207.1	200.7
OFFICE OF PERSONNEL MANAGEMENT	8.4	5.8	5.1	8.1	5.6	4.9
SMITHSONIAN INSTITUTION	44.9	47.6	51.0	43.5	47.1	51.0
TENNESSEE VALLEY AUTHORITY	68.9	81.7	74.2	93.9	87.1	74.2
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY	2.4	.7	1.2	2.4	.7	1.2
VETERANS ADMINISTRATION	144.4	135.0	142.6	137.8	130.5	140.1

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

\* INDICATES AMOUNT LESS THAN \$50,000.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-4. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
TOTAL, ALL AGENCIES .....	34,917,371	5,041,295	7,171,485	22,704,591
DEPARTMENTS				
DEPARTMENT OF AGRICULTURE, TOTAL .....	773,958	314,128	426,856	32,974
AGRICULTURAL COOPERATIVE SERVICE .....	1,739	-	1,739	-
AGRICULTURAL MARKETING SERVICE .....	1,127	-	907	220
AGRICULTURAL RESEARCH SERVICE .....	394,085	186,436	181,486	26,163
COOPERATIVE STATE RESEARCH SERVICE .....	199,383	83,852	115,531	-
ECONOMIC RESEARCH SERVICE .....	39,343	3,584	35,759	-
FOREST SERVICE .....	126,055	38,091	81,768	6,196
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT .....	3,871	1,703	1,858	310
OFFICE OF TRANSPORTATION .....	855	462	308	85
STATISTICAL REPORTING SERVICE .....	7,500	-	7,500	-
DEPARTMENT OF COMMERCE, TOTAL .....	5,246,150	602,544	1,060,436	3,583,170
BUREAU OF THE CENSUS .....	3,915	438	2,578	899
ECONOMIC DEVELOPMENT ADMINISTRATION .....	28,100	200	1,600	26,300
ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION 1/ .....	4,918,225	586,340	827,265	3,504,620
NATIONAL BUREAU OF STANDARDS .....	82,518	15,566	50,640	16,312
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION .....	201,351	-	168,496	32,855
NATIONAL TELECOMMUNICATIONS & INFORMATION ADMIN .....	10,934	-	9,857	1,077
PATENT AND TRADEMARK OFFICE .....	1,107	-	-	1,107
DEPARTMENT OF DEFENSE, TOTAL .....	16,508,649	604,285	1,996,615	13,907,749
DEPARTMENT OF THE ARMY .....	3,244,159	148,089	388,366	2,707,704
DEPARTMENT OF THE NAVY .....	5,005,952	238,000	460,000	4,307,952
DEPARTMENT OF THE AIR FORCE .....	6,969,247	125,800	491,500	6,351,947
DEFENSE AGENCIES .....	1,248,240	92,396	656,749	499,095
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	41,051	-	-	41,051
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL .....	3,927,141	1,900,384	1,591,857	434,900
ALCOHOL, DRUG ABUSE* & MENTAL HEALTH ADMINISTRATION .....	239,437	116,309	121,375	1,753
CENTERS FOR DISEASE CONTROL .....	74,822	-	74,822	-
FOOD & DRUG ADMINISTRATION .....	71,400	-	71,400	-
HEALTH CARE FINANCING ADMINISTRATION .....	38,623	-	38,623	-
HEALTH RESOURCES ADMINISTRATION .....	5,038	-	5,038	-
HEALTH SERVICES ADMINISTRATION .....	20,320	3,800	6,436	10,084
HUMAN DEVELOPMENT SERVICES .....	73,707	446	39,451	33,810
NATIONAL INSTITUTES OF HEALTH .....	3,333,249	1,766,788	1,181,521	384,940
OFFICE OF ASSISTANT SECRETARY FOR HEALTH .....	33,067	12,441	16,313	4,313
OFFICE OF THE SECRETARY .....	19,500	600	18,900	-
SOCIAL SECURITY ADMINISTRATION .....	17,978	-	17,978	-
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT .....	48,108	-	16,690	31,418
DEPARTMENT OF THE INTERIOR, TOTAL .....	427,105	80,663	289,174	57,268
BONNEVILLE POWER ADMINISTRATION .....	14,166	420	6,071	7,675
BUREAU OF LAND MANAGEMENT .....	1,855	-	1,458	397
BUREAU OF MINES .....	96,744	13,600	54,400	28,744
BUREAU OF RECLAMATION .....	14,314	118	13,269	927
GEOLOGICAL SURVEY .....	169,777	53,493	115,784	500
NATIONAL PARK SERVICE .....	10,351	-	10,351	-
OFFICE OF THE SECRETARY .....	1,514	1,514	-	-
OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT .....	5,794	-	5,794	-
OFFICE OF WATER RESEARCH & TECHNOLOGY .....	21,090	7,630	8,160	5,300
UNITED STATES FISH AND WILDLIFE SERVICE .....	91,500	3,888	73,887	13,725
DEPARTMENT OF JUSTICE, TOTAL .....	26,527	4,631	14,872	7,024
DRUG ENFORCEMENT ADMINISTRATION .....	1,300	-	400	900
FEDERAL BUREAU OF INVESTIGATION .....	700	-	-	700
FEDERAL PRISON SYSTEM .....	2,507	-	1,657	850
IMMIGRATION AND NATURALIZATION SERVICE .....	146	-	70	76
OFFICE OF THE ATTORNEY GENERAL .....	835	-	700	135
OFFICE OF JUSTICE ASSISTANCE, RESEARCH, AND STATISTICS .....	21,039	4,631	12,045	4,363
DEPARTMENT OF LABOR, TOTAL .....	62,188	3,740	54,457	3,991
BUREAU OF LABOR STATISTICS .....	251	-	251	-
EMPLOYMENT STANDARDS ADMINISTRATION .....	3,200	-	3,200	-
EMPLOYMENT AND TRAINING ADMINISTRATION .....	52,385	3,740	45,054	3,591
LABOR-MANAGEMENT SERVICES ADMINISTRATION .....	1,752	-	1,752	-
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION .....	3,000	-	3,000	-
OFFICE OF THE SECRETARY .....	1,100	-	1,100	-
PENSION BENEFIT GUARANTEE CORPORATION .....	500	-	100	400
DEPARTMENT OF STATE, TOTAL .....	1,766	-	1,606	160
DEPARTMENTAL FUNDS .....	1,766	-	1,606	160

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TABLE C-4. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
DEPARTMENT OF TRANSPORTATION, TOTAL .....	415,539	1,210	87,379	326,950
COAST GUARD .....	26,269	260	14,903	11,306
FEDERAL AVIATION ADMINISTRATION .....	120,000	-	8,200	111,800
FEDERAL HIGHWAY ADMINISTRATION .....	51,200	-	5,100	46,100
FEDERAL RAILROAD ADMINISTRATION .....	36,600	-	6,200	30,400
MARITIME ADMINISTRATION .....	14,186	650	8,876	4,660
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION .....	65,900	-	29,400	36,500
OFFICE OF THE SECRETARY .....	10,084	-	700	9,384
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION .....	13,100	300	4,900	7,900
URBAN MASS TRANSPORTATION ADMINISTRATION .....	78,200	-	9,300	68,900
DEPARTMENT OF THE TREASURY, TOTAL .....	11,306	2,344	2,875	6,087
BUREAU OF ALCOHOL, TOBACCO, AND FIREARMS .....	300	-	100	200
BUREAU OF ENGRAVING AND PRINTING .....	2,712	-	907	1,805
INTERNAL REVENUE SERVICE .....	4,170	2,344	1,814	12
OFFICE OF PROTECTIVE RESEARCH .....	640	-	-	640
UNITED STATES CUSTOMS SERVICE .....	3,484	-	54	3,430
OTHER AGENCIES				
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS .....	2,211	-	2,211	-
APPALACHIAN REGIONAL COMMISSION .....	375	-	280	95
COMMUNITY SERVICES ADMINISTRATION .....	18,315	-	1,927	16,388
CONSUMER PRODUCT SAFETY COMMISSION .....	528	60	150	318
ENVIRONMENTAL PROTECTION AGENCY .....	325,700	10,500	207,800	107,400
FEDERAL COMMUNICATIONS COMMISSION .....	1,815	-	1,815	-
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	11,599	2,639	6,449	2,511
FEDERAL HOME LOAN BANK BOARD .....	1,036	-	1,036	-
FEDERAL TRADE COMMISSION .....	1,100	935	165	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/ .....	104,862	20,576	33,212	51,074
GENERAL SERVICES ADMINISTRATION .....	610	-	390	220
INTERNATIONAL COMMUNICATION AGENCY .....	1,454	104	1,012	338
INTERNATIONAL DEVELOPMENT COOPERATION AGENCY .....	134,230	-	86,400	47,830
AGENCY FOR INTERNATIONAL DEVELOPMENT .....	134,230	-	86,400	47,830
INTERNATIONAL TRADE COMMISSION .....	3,397	-	3,397	-
LIBRARY OF CONGRESS .....	4,900	200	700	4,000
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION .....	5,406,602	531,122	876,036	3,999,444
NATIONAL SCIENCE FOUNDATION .....	961,564	896,569	58,895	6,100
NUCLEAR REGULATORY COMMISSION .....	219,667	-	219,667	-
OFFICE OF PERSONNEL MANAGEMENT .....	8,364	-	3,387	4,977
SMITHSONIAN INSTITUTION .....	44,861	44,861	-	-
TENNESSEE VALLEY AUTHORITY .....	68,900	4,800	9,400	54,700
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY .....	2,444	-	1,639	805
VETERANS ADMINISTRATION .....	144,400	15,000	112,700	16,700

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-5. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
TOTAL, ALL AGENCIES .....	38,954,123	5,310,848	7,284,134	26,359,141
DEPARTMENTS				
DEPARTMENT OF AGRICULTURE, TOTAL .....	807,363	332,071	443,268	32,024
AGRICULTURAL COOPERATIVE SERVICE .....	1,808	-	1,808	-
AGRICULTURAL MARKETING SERVICE .....	1,463	-	1,177	286
AGRICULTURAL RESEARCH SERVICE .....	411,962	196,147	189,603	26,207
COOPERATIVE STATE RESEARCH SERVICE .....	221,216	91,927	129,289	-
ECONOMIC RESEARCH SERVICE .....	39,360	3,598	35,762	-
FOREST SERVICE .....	110,392	38,120	67,857	4,415
HUMAN NUTRITION INFORMATION SERVICE .....	9,200	-	8,500	700
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT .....	4,004	1,762	1,922	320
OFFICE OF TRANSPORTATION .....	958	517	365	96
STATISTICAL REPORTING SERVICE .....	7,000	-	7,000	-
DEPARTMENT OF COMMERCE, TOTAL .....	4,864,377	664,262	1,097,939	3,102,176
BUREAU OF THE CENSUS .....	3,823	331	2,506	986
ECONOMIC DEVELOPMENT ADMINISTRATION .....	8,400	300	1,600	6,500
ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION 1/ .....	4,583,496	646,750	895,522	3,041,224
NATIONAL BUREAU OF STANDARDS .....	90,339	16,881	54,990	18,468
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION .....	166,332	-	133,163	33,169
NATIONAL TELECOMMUNICATIONS & INFORMATION ADMIN .....	11,286	-	10,091	1,195
OFFICE OF THE SECRETARY .....	67	-	67	-
PATENT AND TRADEMARK OFFICE .....	634	-	-	634
DEPARTMENT OF DEFENSE, TOTAL .....	20,602,252	674,243	2,208,877	17,719,132
DEPARTMENT OF THE ARMY .....	3,702,225	167,145	416,378	3,118,702
DEPARTMENT OF THE NAVY .....	5,820,175	280,000	490,600	5,049,575
DEPARTMENT OF THE AIR FORCE .....	9,355,752	140,400	452,000	8,763,352
DEFENSE AGENCIES .....	1,673,200	86,698	843,899	736,603
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	50,900	-	-	50,900
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL .....	3,967,948	1,970,658	1,583,537	413,753
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION .....	252,208	124,354	126,354	1,500
CENTERS FOR DISEASE CONTROL .....	70,529	-	70,529	-
FOOD & DRUG ADMINISTRATION .....	72,700	-	72,700	-
HEALTH CARE FINANCING ADMINISTRATION .....	29,500	-	29,500	-
HEALTH RESOURCES ADMINISTRATION .....	2,488	-	2,488	-
HEALTH SERVICES ADMINISTRATION .....	3,953	700	1,220	2,033
HUMAN DEVELOPMENT SERVICES .....	61,332	-	35,095	26,237
NATIONAL INSTITUTES OF HEALTH .....	3,428,700	1,839,400	1,207,700	381,600
OFFICE OF ASSISTANT SECRETARY FOR HEALTH .....	16,571	5,804	8,384	2,383
OFFICE OF THE SECRETARY .....	13,440	400	13,040	-
SOCIAL SECURITY ADMINISTRATION .....	16,527	-	16,527	-
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT .....	34,462	-	13,001	21,461
DEPARTMENT OF THE INTERIOR, TOTAL .....	403,382	74,163	275,665	53,554
BONNEVILLE POWER ADMINISTRATION .....	18,732	500	10,459	7,773
BUREAU OF LAND MANAGEMENT .....	2,010	-	1,580	430
BUREAU OF MINES .....	94,610	12,900	56,944	24,766
BUREAU OF RECLAMATION .....	10,406	206	9,785	415
GEOLOGICAL SURVEY .....	157,792	52,625	104,667	500
NATIONAL PARK SERVICE .....	11,093	-	11,093	-
OFFICE OF THE SECRETARY .....	594	594	-	-
OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT .....	1,000	-	1,000	-
OFFICE OF WATER RESEARCH & TECHNOLOGY .....	12,845	3,330	3,990	5,525
UNITED STATES FISH AND WILDLIFE SERVICE .....	94,300	4,008	76,147	14,145
DEPARTMENT OF JUSTICE, TOTAL .....	30,005	4,442	14,722	10,841
DRUG ENFORCEMENT ADMINISTRATION .....	3,400	-	1,000	2,400
FEDERAL BUREAU OF INVESTIGATION .....	2,149	-	-	2,149
FEDERAL PRISON SYSTEM .....	2,607	-	1,657	950
IMMIGRATION AND NATURALIZATION SERVICE .....	1,276	-	376	900
OFFICE OF THE ATTORNEY GENERAL .....	905	-	804	101
OFFICE OF JUSTICE ASSISTANCE, RESEARCH, AND STATISTICS .....	19,668	4,442	10,885	4,341
DEPARTMENT OF LABOR, TOTAL .....	30,812	3,642	25,609	1,561
BUREAU OF LABOR STATISTICS .....	291	-	291	-
EMPLOYMENT STANDARDS ADMINISTRATION .....	2,000	-	2,000	-
EMPLOYMENT AND TRAINING ADMINISTRATION .....	21,343	3,642	16,717	984
LABOR-MANAGEMENT SERVICES ADMINISTRATION .....	606	-	606	-
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION .....	4,900	-	4,900	-
OFFICE OF THE SECRETARY .....	900	-	900	-
PENSION BENEFIT GUARANTEE CORPORATION .....	772	-	195	577
DEPARTMENT OF STATE, TOTAL .....	1,999	-	1,999	-
DEPARTMENTAL FUNDS .....	1,999	-	1,999	-

CONTINUED ON NEXT PAGE

TABLE C-5. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
DEPARTMENT OF TRANSPORTATION, TOTAL .....	327,795	900	68,234	258,661
COAST GUARD .....	18,000	-	10,125	7,875
FEDERAL AVIATION ADMINISTRATION .....	96,700	-	3,100	93,600
FEDERAL HIGHWAY ADMINISTRATION .....	49,900	-	5,000	44,900
FEDERAL RAILROAD ADMINISTRATION .....	35,600	-	6,100	29,500
MARITIME ADMINISTRATION .....	9,288	700	5,802	2,786
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION .....	54,700	-	22,200	32,500
OFFICE OF THE SECRETARY .....	3,990	-	600	3,390
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION .....	11,200	200	4,300	6,700
URBAN MASS TRANSPORTATION ADMINISTRATION .....	48,417	-	11,007	37,410
DEPARTMENT OF THE TREASURY, TOTAL .....	12,069	2,023	4,459	5,587
BUREAU OF ENGRAVING AND PRINTING .....	4,000	-	1,393	2,607
INTERNAL REVENUE SERVICE .....	5,089	2,023	3,066	-
OFFICE OF PROTECTIVE RESEARCH .....	45	-	-	45
UNITED STATES CUSTOMS SERVICE .....	2,935	-	-	2,935
OTHER AGENCIES				
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS .....	1,884	-	1,884	-
APPALACHIAN REGIONAL COMMISSION .....	400	-	300	100
CONSUMER PRODUCT SAFETY COMMISSION .....	163	-	-	163
ENVIRONMENTAL PROTECTION AGENCY .....	317,100	14,700	201,900	100,500
FEDERAL COMMUNICATIONS COMMISSION .....	953	-	953	-
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	9,332	1,438	7,894	-
FEDERAL HOME LOAN BANK BOARD .....	1,210	-	1,210	-
FEDERAL TRADE COMMISSION .....	1,159	985	174	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/ .....	84,901	15,316	26,172	43,413
GENERAL SERVICES ADMINISTRATION .....	833	-	553	280
INTERNATIONAL COMMUNICATION AGENCY .....	1,520	75	1,141	304
INTERNATIONAL DEVELOPMENT COOPERATION AGENCY .....	155,879	-	101,433	54,446
AGENCY FOR INTERNATIONAL DEVELOPMENT .....	155,879	-	101,433	54,446
INTERNATIONAL TRADE COMMISSION .....	3,639	-	3,639	-
LIBRARY OF CONGRESS .....	5,300	100	600	4,600
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION .....	5,841,300	575,282	809,531	4,456,487
NATIONAL SCIENCE FOUNDATION .....	959,594	910,794	48,800	-
NUCLEAR REGULATORY COMMISSION .....	215,763	-	215,763	-
OFFICE OF PERSONNEL MANAGEMENT .....	5,805	-	2,807	2,998
SMITHSONIAN INSTITUTION .....	47,554	47,554	-	-
TENNESSEE VALLEY AUTHORITY .....	81,700	5,200	13,900	62,600
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY .....	670	-	570	100
VETERANS ADMINISTRATION .....	135,000	13,000	107,600	14,400

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-6. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
TOTAL, ALL AGENCIES .....	42,973,763	5,765,190	7,499,674	29,708,899
DEPARTMENTS				
DEPARTMENT OF AGRICULTURE, TOTAL .....	838,924	359,123	449,057	30,744
AGRICULTURAL COOPERATIVE SERVICE .....	1,436	-	1,436	-
AGRICULTURAL RESEARCH SERVICE .....	454,456	221,559	206,690	26,207
COOPERATIVE STATE RESEARCH SERVICE .....	223,303	96,435	126,868	-
ECONOMIC RESEARCH SERVICE .....	40,584	3,624	36,960	-
FOREST SERVICE .....	97,990	35,275	59,285	3,430
HUMAN NUTRITION INFORMATION SERVICE .....	8,300	-	7,600	700
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT .....	3,917	1,724	1,888	313
OFFICE OF TRANSPORTATION .....	938	506	338	94
STATISTICAL REPORTING SERVICE .....	8,000	-	8,000	-
DEPARTMENT OF COMMERCE, TOTAL .....	4,178,891	756,456	928,764	2,493,671
BUREAU OF THE CENSUS .....	4,067	414	2,579	1,074
ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION 1/ .....	3,944,225	738,694	760,477	2,445,082
NATIONAL BUREAU OF STANDARDS .....	80,266	17,348	54,713	8,205
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION .....	140,758	-	103,140	37,618
NATIONAL TELECOMMUNICATIONS & INFORMATION ADMIN .....	8,881	-	7,883	998
PATENT AND TRADEMARK OFFICE .....	694	-	-	694
DEPARTMENT OF DEFENSE, TOTAL .....	24,519,629	782,135	2,543,926	21,193,568
DEPARTMENT OF THE ARMY .....	4,594,334	203,594	505,037	3,885,703
DEPARTMENT OF THE NAVY .....	6,251,390	305,000	546,300	5,400,090
DEPARTMENT OF THE AIR FORCE .....	11,405,005	164,200	542,000	10,698,805
DEFENSE AGENCIES .....	2,210,500	109,341	950,589	1,150,570
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	58,400	-	-	58,400
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL .....	4,117,765	2,042,332	1,660,933	414,500
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION .....	288,690	135,424	151,556	1,710
CENTERS FOR DISEASE CONTROL .....	72,019	-	72,019	-
FOOD & DRUG ADMINISTRATION .....	74,700	-	74,700	-
HEALTH CARE FINANCING ADMINISTRATION .....	30,000	-	30,000	-
HEALTH SERVICES ADMINISTRATION .....	1,865	700	1,165	-
HUMAN DEVELOPMENT SERVICES .....	64,516	3,146	39,211	22,159
NATIONAL INSTITUTES OF HEALTH .....	3,534,600	1,896,700	1,249,600	388,300
OFFICE OF ASSISTANT SECRETARY FOR HEALTH .....	16,882	6,062	8,489	2,331
OFFICE OF THE SECRETARY .....	14,718	300	14,418	-
SOCIAL SECURITY ADMINISTRATION .....	19,775	-	19,775	-
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT .....	31,066	-	12,426	18,640
DEPARTMENT OF THE INTERIOR, TOTAL .....	364,668	67,649	251,014	46,005
BONNEVILLE POWER ADMINISTRATION .....	21,731	600	10,865	10,266
BUREAU OF LAND MANAGEMENT .....	2,654	-	2,224	430
BUREAU OF MINES .....	77,946	12,500	44,400	21,046
BUREAU OF RECLAMATION .....	10,100	160	9,162	778
GEOLOGICAL SURVEY .....	149,481	50,018	99,463	-
NATIONAL PARK SERVICE .....	10,806	-	10,806	-
OFFICE OF THE SECRETARY .....	550	550	-	-
OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT .....	1,500	-	1,500	-
UNITED STATES FISH AND WILDLIFE SERVICE .....	89,900	3,821	72,594	13,485
DEPARTMENT OF JUSTICE, TOTAL .....	22,019	3,801	11,528	6,690
DRUG ENFORCEMENT ADMINISTRATION .....	1,900	-	600	1,300
FEDERAL BUREAU OF INVESTIGATION .....	1,099	-	-	1,099
FEDERAL PRISON SYSTEM .....	2,607	-	1,657	950
IMMIGRATION AND NATURALIZATION SERVICE .....	400	-	200	200
OFFICE OF THE ATTORNEY GENERAL .....	810	-	709	101
OFFICE OF JUSTICE ASSISTANCE, RESEARCH, AND STATISTICS .....	15,203	3,801	8,362	3,040
DEPARTMENT OF LABOR, TOTAL .....	9,906	-	9,441	465
BUREAU OF LABOR STATISTICS .....	315	-	315	-
EMPLOYMENT STANDARDS ADMINISTRATION .....	1,900	-	1,900	-
LABOR-MANAGEMENT SERVICES ADMINISTRATION .....	626	-	626	-
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION .....	5,700	-	5,700	-
OFFICE OF THE SECRETARY .....	900	-	900	-
PENSION BENEFIT GUARANTEE CORPORATION .....	465	-	-	465
DEPARTMENT OF STATE, TOTAL .....	1,755	-	1,755	-
DEPARTMENTAL FUNDS .....	1,755	-	1,755	-

CONTINUED ON NEXT PAGE



TABLE C-6. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND CHARACTER OF WORK: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	RESEARCH		DEVELOPMENT
		BASIC	APPLIED	
DEPARTMENT OF TRANSPORTATION, TOTAL .....	366,500	700	72,635	293,165
COAST GUARD .....	15,000	-	8,175	6,825
FEDERAL AVIATION ADMINISTRATION .....	151,500	-	8,000	143,500
FEDERAL HIGHWAY ADMINISTRATION .....	51,800	-	5,200	46,600
FEDERAL RAILROAD ADMINISTRATION .....	20,000	-	3,400	16,600
MARITIME ADMINISTRATION .....	16,800	700	12,060	4,040
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION .....	59,100	-	22,600	36,500
OFFICE OF THE SECRETARY .....	7,800	-	600	7,200
RESEARCH AND SPECIAL PROGRAMS ADMINISTRATION .....	10,500	-	4,100	6,400
URBAN MASS TRANSPORTATION ADMINISTRATION .....	34,000	-	8,500	25,500
DEPARTMENT OF THE TREASURY, TOTAL .....	13,150	3,114	6,606	3,430
BUREAU OF ENGRAVING AND PRINTING .....	2,211	-	1,781	430
INTERNAL REVENUE SERVICE .....	7,939	3,114	4,825	-
UNITED STATES CUSTOMS SERVICE .....	3,000	-	-	3,000
OTHER AGENCIES				
ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS .....	1,925	-	1,925	-
CONSUMER PRODUCT SAFETY COMMISSION .....	582	-	181	401
ENVIRONMENTAL PROTECTION AGENCY .....	229,900	9,800	150,000	70,100
FEDERAL COMMUNICATIONS COMMISSION .....	654	-	654	-
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	18,074	-	18,074	-
FEDERAL HOME LOAN BANK BOARD .....	1,497	-	1,497	-
FEDERAL TRADE COMMISSION .....	1,300	1,105	195	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/ .....	87,009	15,466	29,128	42,415
GENERAL SERVICES ADMINISTRATION .....	1,480	-	1,480	-
INTERNATIONAL COMMUNICATION AGENCY .....	154	-	150	4
INTERNATIONAL DEVELOPMENT COOPERATION AGENCY .....	131,959	-	91,544	40,415
AGENCY FOR INTERNATIONAL DEVELOPMENT .....	131,959	-	91,544	40,415
INTERNATIONAL TRADE COMMISSION .....	3,994	-	3,994	-
LIBRARY OF CONGRESS .....	5,300	100	600	4,600
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION .....	6,512,900	677,223	854,509	4,981,168
NATIONAL SCIENCE FOUNDATION .....	1,025,113	975,555	49,558	-
NUCLEAR REGULATORY COMMISSION .....	213,525	-	213,525	-
OFFICE OF PERSONNEL MANAGEMENT .....	5,141	-	2,223	2,918
SMITHSONIAN INSTITUTION .....	51,031	51,031	-	-
TENNESSEE VALLEY AUTHORITY .....	74,200	5,700	17,700	50,800
UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY .....	1,152	-	952	200
VETERANS ADMINISTRATION .....	142,600	13,900	113,700	15,000

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-7. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1981  
(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL UNITED STATES AND TERRITORIES						STATE AND LOCAL GOVTS	FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS		
TOTAL, ALL AGENCIES .....	34,917.4	8,728.8	16,260.6	1,413.9	4,477.9	1,828.5	1,120.2	525.2	222.2	340.0
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	774.0	511.4	8.8	-	242.7	-	2.3	-	3.7	5.0
AGRICULTURAL COOPERATIVE SERVICE ...	1.7	1.2	-	-	.5	-	-	-	-	-
AGRICULTURAL MARKETING SERVICE .....	1.1	1.1	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	394.1	344.2	8.8	-	34.9	-	1.7	-	2.7	1.8
COOPERATIVE STATE RESEARCH SERVICE ..	199.4	7.1	-	-	191.6	-	-	-	.7	-
ECONOMIC RESEARCH SERVICE .....	39.3	37.5	-	-	1.8	-	-	-	-	-
FOREST SERVICE .....	126.1	111.9	.1	-	13.0	-	.6	-	.4	.2
OFF OF INTERNAT'L COOPERATION & DEV .....	3.9	.8	-	-	-	-	-	-	-	3.0
OFFICE OF TRANSPORTATION .....	.9	.9	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	7.5	6.7	-	-	.8	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	5,246.2	687.6	1,344.7	1,154.8	346.4	1,400.6	76.0	184.1	24.1	278.8
BUREAU OF THE CENSUS .....	3.9	3.8	-	-	.2	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	28.1	2.6	2.1	-	3.8	-	8.5	-	11.1	-
ECONOMIC RESEARCH AND TECHNOLOGY ADMIN 2/ .....	4,918.2	450.8	1,331.2	1,154.7	300.5	1,399.9	65.6	184.0	4.5	27.1
NATIONAL BUREAU OF STANDARDS .....	82.5	77.6	2.9	-	1.4	-	.1	-	-	.4
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	201.4	140.8	8.5	.1	40.6	.7	1.8	.1	8.5	.3
NAT'L TELECOMM & INFORMATION ADMIN ..	10.9	10.9	-	-	-	-	-	-	-	-
PATENT AND TRADEMARK OFFICE .....	1.1	1.1	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	16,508.6	4,280.7	10,825.9	105.5	572.9	185.8	138.1	318.9	.2	80.6
DEPARTMENT OF THE ARMY .....	3,244.2	1,202.0	1,913.5	3.6	64.5	24.3	22.4	8.6	.2	5.0
DEPARTMENT OF THE NAVY .....	5,006.0	1,473.5	3,072.1	96.0	228.6	20.6	44.9	6.3	-	63.9
DEPARTMENT OF THE AIR FORCE .....	6,969.2	1,238.8	5,084.4	-	237.8	82.4	44.9	270.9	-	10.1
DEFENSE AGENCIES .....	1,248.2	328.6	755.9	5.9	41.9	58.5	26.0	29.9	-	1.6
DIRECTOR OF TEST & EVALUATION, DEFENSE- .....	41.1	37.8	-	-	.1	-	-	3.2	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	3,927.1	872.3	161.3	27.9	2,184.9	15.0	560.7	1.7	74.5	28.8
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	239.4	80.2	4.4	-	116.3	-	31.5	-	5.4	1.6
CENTERS FOR DISEASE CONTROL .....	74.8	52.8	9.1	-	6.4	-	5.2	-	.3	1.0
FOOD & DRUG ADMINISTRATION .....	71.4	57.9	3.8	-	5.7	-	4.0	-	-	-
HEALTH CARE FINANCING ADMIN .....	38.6	3.2	14.3	-	10.1	-	4.5	-	6.6	-
HEALTH RESOURCES ADMINISTRATION .....	5.0	.1	-	-	4.5	-	.4	-	-	-
HEALTH SERVICES ADMINISTRATION .....	20.3	8.8	-	-	3.9	-	6.6	-	.8	.2
HUMAN DEVELOPMENT SERVICES .....	73.7	5.2	7.8	-	33.9	-	19.3	-	6.4	1.0
NATIONAL INSTITUTES OF HEALTH .....	3,333.2	638.5	115.5	27.9	1,984.4	15.0	479.2	1.7	46.5	24.4
OFFICE OF ASST'T SECY FOR HEALTH ...	33.1	12.4	4.2	-	14.4	-	1.7	-	-	.3
OFFICE OF THE SECRETARY .....	19.5	1.9	1.9	-	1.5	-	7.6	-	6.6	-
SOCIAL SECURITY ADMINISTRATION .....	18.0	11.2	.2	-	3.8	-	.6	-	1.8	.2
DEPT OF HOUSING & URBAN DEVELOPMENT ..	48.1	21.5	13.8	-	4.8	-	7.5	-	.5	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	427.1	273.8	62.0	.1	39.4	1.6	3.6	.3	45.6	.7
BONNEVILLE POWER ADMINISTRATION .....	14.2	4.5	8.1	-	.5	-	-	.1	.8	.1
BUREAU OF LAND MANAGEMENT .....	1.9	1.0	-	-	.9	-	-	-	-	-
BUREAU OF MINES .....	96.7	47.0	40.6	-	5.2	.3	3.1	.2	.4	-
BUREAU OF RECLAMATION .....	14.3	8.4	1.8	-	3.2	-	-	-	1.0	-
GEOLOGICAL SURVEY .....	169.8	155.5	4.4	-	9.0	.9	-	-	-	-
NATIONAL PARK SERVICE .....	10.4	7.2	.8	.1	2.2	-	.1	-	-	.6
OFFICE OF THE SECRETARY .....	1.5	.6	.3	-	-	-	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	5.8	1.6	.4	-	3.8	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	21.1	3.0	5.0	-	13.1	-	-	-	-	-
US FISH & WILDLIFE SERVICE .....	91.5	45.2	.5	-	1.5	.4	.4	.1	43.4	-
DEPARTMENT OF JUSTICE, TOTAL .....	26.5	3.7	5.2	-	8.8	-	6.6	-	2.2	.1
DRUG ENFORCEMENT ADMINISTRATION-....	1.3	.4	.9	-	-	-	-	-	-	-
FEDERAL BUREAU OF INVESTIGATION .....	.7	.3	.4	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM .....	2.5	.9	-	-	.5	-	-	-	1.1	-
IMMIGRATION & NATURALIZATION SVC .....	.1	.1	.1	-	.1	-	-	-	-	-
OFFICE OF THE ATTORNEY GENERAL .....	.8	.1	.6	-	.1	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	21.0	1.8	3.3	-	8.2	-	6.6	-	1.1	.1
DEPARTMENT OF LABOR, TOTAL .....	62.2	35.3	8.6	-	9.8	-	8.4	-	.2	-
BUREAU OF LABOR STATISTICS .....	.3	.3	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	3.2	2.7	.3	-	.4	-	.2	-	-	-
EMPLOYMENT & TRAINING ADMIN .....	52.4	30.1	4.9	-	9.4	-	7.8	-	.2	-
LABOR-MANAGEMENT SERVICES ADMIN .....	1.8	1.1	.4	-	.3	-	.1	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	3.0	.4	2.9	-	.1	-	.1	-	-	-
OFFICE OF THE SECRETARY .....	1.1	1.1	-	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION .....	.5	.1	.4	-	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL .....	1.8	1.1	.7	-	.1	-	-	-	-	-
DEPARTMENTAL FUNDS .....	1.8	1.1	0.7	-	0.1	-	-	-	-	-

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TABLE C-7. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1981

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							FOREIGN
			UNITED STATES AND TERRITORIES							
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF TRANSPORTATION, TOTAL ..	415.5	122.4	193.2	-	28.5	4.0	22.4	-	45.1	-
COAST GUARD .....	26.3	14.0	11.8	-	.3	.2	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	120.0	28.6	76.9	-	.4	3.8	10.3	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	51.2	11.8	5.9	-	8.5	-	1.4	-	23.6	-
FEDERAL RAILROAD ADMINISTRATION .....	36.6	13.0	20.6	-	.6	-	.9	-	1.5	-
MARITIME ADMINISTRATION .....	14.2	.3	12.3	-	.7	-	.7	-	1.1	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	65.9	10.4	39.2	-	4.8	-	4.1	-	7.5	-
OFFICE OF THE SECRETARY .....	10.1	6.4	3.6	-	.1	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	13.1	6.6	3.1	-	3.4	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN .....	78.2	31.2	19.9	-	9.6	-	5.1	-	12.4	-
DEPARTMENT OF THE TREASURY, TOTAL ....	11.3	5.4	5.7	-	*	-	-	0.2	-	-
BUREAU OF ALCOHOL, TOBACCO, & FIREARMS .....	.3	.1	-	-	-	-	-	.2	-	-
BUREAU OF ENGRAVING AND PRINTING .....	2.7	2.5	.3	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	4.2	2.7	1.4	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH .....	.6	*	.6	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE .....	3.5	.1	3.3	-	*	-	-	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	2.2	2.2	-	-	-	-	-	-	-	-
APPALACHIAN REGIONAL COMMISSION .....	.4	.1	.1	-	-	-	-	-	.2	-
COMMUNITY SERVICES ADMINISTRATION .....	18.3	1.5	-	-	-	-	16.8	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION .....	0.5	0.4	0.2	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	325.7	152.0	79.7	-	52.2	-	21.8	-	18.9	1.2
FEDERAL COMMUNICATIONS COMMISSION .....	1.8	1.1	.7	-	-	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	11.6	4.4	2.7	0.1	1.6	0.3	2.2	0.1	.2	-
FEDERAL HOME LOAN BANK BOARD .....	1.0	.9	.1	-	-	-	-	-	-	-
FEDERAL TRADE COMMISSION .....	1.1	1.1	-	-	-	-	-	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 3/	104.9	17.5	11.1	-	41.8	-	30.9	-	3.3	.3
GENERAL SERVICES ADMINISTRATION .....	.6	.5	.1	-	-	-	*	-	-	-
INTERNATIONAL COMMUNICATION AGENCY .....	1.5	.2	*	-	.6	-	.6	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	134.2	7.2	9.1	-	46.4	-	2.3	-	-	69.2
AGENCY FOR INTERNAT'L DEVELOPMENT ..	134.2	7.2	9.1	-	46.4	-	2.3	-	-	69.2
INTERNATIONAL TRADE COMMISSION .....	3.4	3.4	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS .....	4.9	4.6	.3	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN .....	5,406.6	1,346.8	3,489.1	-	183.5	116.5	150.3	.7	.1	119.6
NATIONAL SCIENCE FOUNDATION .....	961.6	106.5	29.6	1.7	702.1	71.2	46.6	.1	1.6	2.2
NUCLEAR REGULATORY COMMISSION .....	219.7	25.1	6.5	123.9	8.1	33.2	2.7	18.8	.5	.8
OFFICE OF PERSONNEL MANAGEMENT .....	8.4	5.3	.4	-	1.2	-	*	-	1.4	-
SMITHSONIAN INSTITUTION .....	44.9	41.2	-	-	-	-	-	-	-	3.7
TENNESSEE VALLEY AUTHORITY .....	68.9	49.2	-	-	-	-	19.7	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	2.4	.2	1.2	-	.1	.3	.5	.2	-	-
VETERANS ADMINISTRATION .....	144.4	142.3	-	-	2.1	-	-	-	-	-

- 1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.
- 2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.
- 3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.
- \* INDICATES AMOUNT LESS THAN \$50,000.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-8. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1982 (ESTIMATED)  
(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS	FOREIGN	
			UNITED STATES AND TERRITORIES								
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS			
TOTAL, ALL AGENCIES .....	38,954.1	9,645.1	19,212.3	1,476.9	4,583.5	1,889.8	1,112.3	490.6	201.7	342.0	
DEPARTMENTS											
DEPARTMENT OF AGRICULTURE, TOTAL .....	807.4	520.7	12.2	-	265.8	-	1.3	-	2.3	5.1	
AGRICULTURAL COOPERATIVE SERVICE ...	1.8	.9	-	-	.9	-	-	-	-	-	
AGRICULTURAL MARKETING SERVICE .....	1.5	1.5	-	-	-	-	-	-	-	-	
AGRICULTURAL RESEARCH SERVICE .....	412.0	359.9	10.0	-	38.2	-	.8	-	1.2	1.8	
COOPERATIVE STATE RESEARCH SERVICE ..	221.2	7.8	-	-	212.7	-	-	-	.7	-	
ECONOMIC RESEARCH SERVICE .....	39.4	39.0	-	-	.4	-	-	-	-	-	
FOREST SERVICE .....	110.4	99.6	*	-	9.7	-	.5	-	.3	.2	
HUMAN NUTRITION INFORMATION SERVICE	9.2	3.3	2.2	-	3.7	-	-	-	-	-	
OFF OF INTERNAT'L COOPERATION & DEV .....	4.0	.9	-	-	-	-	-	-	-	3.1	
OFFICE OF TRANSPORTATION .....	1.0	1.0	-	-	-	-	-	-	-	-	
STATISTICAL REPORTING SERVICE .....	7.0	6.8	-	-	.2	-	-	-	-	-	
DEPARTMENT OF COMMERCE, TOTAL .....	4,864.4	594.0	1,215.4	1,205.5	304.6	1,375.0	50.2	85.8	11.3	22.7	
BUREAU OF THE CENSUS .....	3.8	3.7	-	-	.1	-	-	-	-	-	
ECONOMIC DEVELOPMENT ADMINISTRATION	8.4	2.0	1.1	-	1.9	-	2.4	-	1.0	-	
ENERGY RESEARCH AND TECHNOLOGY	4,583.5	367.9	1,201.8	1,205.5	269.2	1,375.0	46.1	85.5	10.1	22.5	
ADMIN 2/ .....	90.3	83.7	4.5	-	2.0	-	1.2	-	-	-	
NATIONAL BUREAU OF STANDARDS .....	166.3	124.7	8.1	-	31.3	-	1.5	.3	.2	.1	
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	11.3	11.3	-	-	-	-	-	-	-	.1	
NAT'L TELECOMM & INFORMATION ADMIN ..	.1	.6	-	-	-	-	-	-	-	-	
OFFICE OF THE SECRETARY .....	.6	.6	-	-	-	-	-	-	-	-	
PATENT AND TRADEMARK OFFICE .....	20,602.3	5,285.5	13,651.0	111.2	677.0	226.4	190.1	383.2	.2	77.6	
DEPARTMENT OF DEFENSE, TOTAL .....	3,702.2	1,411.8	2,151.4	1.8	68.8	28.8	25.5	9.6	.2	4.3	
DEPARTMENT OF THE ARMY .....	5,820.2	1,507.9	3,809.4	102.7	249.6	26.1	59.0	7.2	-	58.3	
DEPARTMENT OF THE NAVY .....	9,355.8	1,808.1	6,745.9	6.7	298.3	96.1	71.2	324.8	-	11.4	
DEPARTMENT OF THE AIR FORCE .....	1,673.2	513.0	942.9	-	60.1	75.4	34.3	37.1	-	3.7	
DEFENSE AGENCIES .....	50.9	44.8	1.5	-	.1	-	-	4.5	-	-	
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	3,967.9	894.8	153.4	28.0	2,231.3	15.4	540.0	1.8	70.3	32.9	
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	252.2	107.0	3.0	-	113.1	-	22.2	-	5.1	1.7
CENTERS FOR DISEASE CONTROL .....	70.5	50.6	6.3	-	6.0	-	5.5	-	.2	2.0	
FOOD & DRUG ADMINISTRATION .....	72.7	58.8	4.0	-	5.8	-	4.1	-	-	-	
HEALTH CARE FINANCING ADMIN .....	29.5	2.4	10.9	-	7.8	-	3.4	-	5.0	-	
HEALTH RESOURCES ADMINISTRATION .....	2.5	.1	-	-	2.2	-	.2	-	-	-	
HEALTH SERVICES ADMINISTRATION .....	4.0	1.5	-	-	.5	-	1.1	-	.3	.6	
HUMAN DEVELOPMENT SERVICES .....	61.3	4.9	6.6	-	31.1	-	12.6	-	4.1	1.9	
NATIONAL INSTITUTES OF HEALTH .....	3,428.7	651.6	117.3	28.0	2,054.4	15.4	484.6	1.8	49.3	26.2	
OFFICE OF ASST'Y SECY FOR HEALTH .....	16.6	5.3	1.7	-	8.3	-	.7	-	4.6	.4	
OFFICE OF THE SECRETARY .....	13.4	1.3	1.3	-	1.0	-	5.2	-	1.8	*	
SOCIAL SECURITY ADMINISTRATION .....	16.5	11.2	2.2	-	1.0	-	.3	-	-	-	
DEPT OF HOUSING & URBAN DEVELOPMENT ..	34.5	11.0	9.6	-	4.3	-	8.6	-	1.0	-	
DEPARTMENT OF THE INTERIOR, TOTAL .....	403.4	257.4	59.6	.1	32.2	1.5	3.6	.8	47.5	.5	
BONNEVILLE POWER ADMINISTRATION .....	18.7	4.9	10.9	-	.7	-	-	.6	1.8	-	
BUREAU OF LAND MANAGEMENT .....	2.0	.7	-	-	1.3	-	-	-	-	-	
BUREAU OF MINES .....	94.6	45.8	36.0	-	9.0	.3	3.0	.2	.3	-	
BUREAU OF RECLAMATION .....	10.4	5.6	1.5	-	2.3	-	-	-	.9	-	
GEOLOGICAL SURVEY .....	157.8	144.0	3.8	-	9.1	.8	-	-	-	-	
NATIONAL PARK SERVICE .....	11.1	7.8	.9	.1	2.2	-	.1	-	-	.5	
OFFICE OF THE SECRETARY .....	.6	.1	-	-	-	-	-	-	-	-	
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	1.0	.3	.5	-	.2	-	-	-	-	-	
OFFICE OF WATER RSCH & TECHNOLOGY ..	12.8	2.0	5.5	-	5.4	.4	.5	.1	44.5	-	
US FISH & WILDLIFE SERVICE .....	94.3	46.3	.6	-	2.0	-	-	-	-	-	
DEPARTMENT OF JUSTICE, TOTAL .....	30.0	3.9	9.2	-	7.3	-	7.3	-	2.3	-	
DRUG ENFORCEMENT ADMINISTRATION .....	3.4	.8	2.6	-	-	-	-	-	-	-	
FEDERAL BUREAU OF INVESTIGATION .....	2.1	.3	1.9	-	-	-	-	-	1.1	-	
FEDERAL PRISON SYSTEM .....	2.6	1.0	-	-	.5	-	-	-	-	-	
IMMIGRATION & NATURALIZATION SVC .....	1.3	.1	1.2	-	-	-	-	-	-	-	
OFFICE OF THE ATTORNEY GENERAL .....	.9	*	.6	-	.3	-	-	-	-	-	
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	19.7	1.7	3.0	-	6.5	-	7.3	-	1.2	-	
DEPARTMENT OF LABOR, TOTAL .....	30.8	16.1	8.9	-	4.4	-	1.3	-	.1	-	
BUREAU OF LABOR STATISTICS .....	.3	.3	-	-	-	-	-	-	-	-	
EMPLOYMENT STANDARDS ADMINISTRATION ..	2.0	1.3	.7	-	-	-	1.3	-	.1	-	
EMPLOYMENT & TRAINING ADMIN .....	21.3	12.5	3.0	-	4.4	-	-	-	-	-	
LABOR-MANAGEMENT SERVICES ADMIN .....	.6	.6	-	-	-	-	-	-	-	-	
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	4.9	.4	4.5	-	-	-	-	-	-	-	
OFFICE OF THE SECRETARY .....	.9	.9	-	-	-	-	-	-	-	-	
PENSION BENEFIT GUARANTEE CORPORATION .....	.8	.1	.7	-	-	-	-	-	-	-	
DEPARTMENT OF STATE, TOTAL .....	2.0	1.0	.7	.1	.1	.1	.1	-	-	-	
DEPARTMENTAL FUNDS .....	2.0	1.0	.7	.1	.1	.1	.1	-	-	-	

TABLE C-8. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1982 (ESTIMATED)

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							STATE AND LOCAL GOVTS	FOREIGN	
			UNITED STATES AND TERRITORIES					FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS			FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	UNIVERSITIES AND COLLEGES					
DEPARTMENT OF TRANSPORTATION, TOTAL ..	327.8	97.6	145.6	-	23.5	3.7	19.2	0.3	37.9	-		
COAST GUARD .....	18.0	8.3	9.7	-	-	-	-	-	-	-		
FEDERAL AVIATION ADMINISTRATION .....	96.7	27.2	55.7	-	.3	3.7	9.9	-	-	-		
FEDERAL HIGHWAY ADMINISTRATION .....	49.9	11.5	5.7	-	8.3	4	1.3	-	23.0	-		
FEDERAL RAILROAD ADMINISTRATION .....	35.6	12.7	19.9	-	.6	-	.9	-	1.5	-		
MARITIME ADMINISTRATION .....	9.3	.5	7.1	-	1.0	-	.3	.3	.2	-		
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	54.7	8.2	32.8	-	4.0	-	3.4	-	6.2	-		
OFFICE OF THE SECRETARY .....	4.0	3.2	.7	-	.1	-	-	-	-	-		
RESEARCH & SPECIAL PROGRAMS ADMIN ..	11.2	6.9	1.5	-	2.7	-	-	-	-	-		
URBAN MASS TRANSPORTATION ADMIN .....	48.4	19.1	12.4	-	6.6	-	3.3	-	7.0	-		
DEPARTMENT OF THE TREASURY, TOTAL .....	12.1	7.6	4.3	.1	-	-	-	-	-	-		
BUREAU OF ENGRAVING AND PRINTING ...	4.0	2.9	1.1	-	-	-	-	-	-	-		
INTERNAL REVENUE SERVICE .....	5.1	4.6	.5	-	-	-	-	-	-	-		
OFFICE OF PROTECTIVE RESEARCH .....	*	*	*	-	-	-	-	-	-	-		
UNITED STATES CUSTOMS SERVICE .....	2.9	.1	2.8	.1	-	-	-	-	-	-		
OTHER AGENCIES												
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	1.9	1.9	-	-	-	-	-	-	-	-		
APPALACHIAN REGIONAL COMMISSION .....	.4	.1	.2	-	-	-	-	-	.2	-		
CONSUMER PRODUCT SAFETY COMMISSION .....	0.2	0.2	-	-	-	-	-	-	-	-		
ENVIRONMENTAL PROTECTION AGENCY .....	317.1	140.2	72.0	-	44.1	-	35.4	-	24.1	1.3		
FEDERAL COMMUNICATIONS COMMISSION .....	1.0	.9	*	-	-	-	-	-	-	-		
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	9.3	2.7	3.2	0.2	1.2	0.3	1.6	0.2	.2	-		
FEDERAL HOME LOAN BANK BOARD .....	1.2	1.0	.1	-	.1	-	-	-	-	-		
FEDERAL TRADE COMMISSION .....	1.2	1.2	-	-	-	-	-	-	-	-		
FOUNDATION FOR EDUCATION ASSISTANCE 3/	84.9	15.6	9.4	-	32.2	-	24.9	-	2.6	.3		
GENERAL SERVICES ADMINISTRATION .....	.8	.4	.1	-	-	-	.4	-	-	-		
INTERNATIONAL COMMUNICATION AGENCY .....	1.5	.1	.5	-	.4	-	.5	-	-	-		
INTERNAT'L DEV COOPERATION AGENCY .....	155.9	7.4	9.8	-	60.1	-	2.5	-	-	76.0		
AGENCY FOR INTERNAT'L DEVELOPMENT ..	155.9	7.4	9.8	-	60.1	-	2.5	-	-	76.0		
INTERNATIONAL TRADE COMMISSION .....	3.6	3.6	-	-	-	-	-	-	-	-		
LIBRARY OF CONGRESS .....	5.3	4.9	.4	-	-	-	-	-	-	-		
NATIONAL AERONAUTICS & SPACE ADMIN .....	5,841.3	1,395.7	3,807.2	-	191.0	164.6	162.3	.7	.1	119.7		
NATIONAL SCIENCE FOUNDATION .....	959.6	113.4	31.7	1.7	697.4	71.8	40.2	.1	1.6	1.8		
NUCLEAR REGULATORY COMMISSION .....	215.8	23.6	7.1	130.1	4.2	31.0	1.1	17.7	.2	.9		
OFFICE OF PERSONNEL MANAGEMENT .....	5.8	5.0	.2	-	.5	-	-	-	-	-		
SMITHSONIAN INSTITUTION .....	47.6	44.4	-	-	-	-	-	-	-	3.2		
TENNESSEE VALLEY AUTHORITY .....	81.7	60.5	-	-	-	-	21.2	-	-	-		
US ARMS CONTROL & DISARMAMENT AGENCY ..	.7	*	.3	-	*	-	.1	.2	*	-		
VETERANS ADMINISTRATION .....	135.0	132.8	.2	-	1.7	-	.4	-	-	-		

- 1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.
  - 2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.
  - 3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.
  - \* INDICATES AMOUNT LESS THAN \$50,000.
- SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-9. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1983 (ESTIMATED)  
(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES								
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS			
TOTAL, ALL AGENCIES .....	42,973.8	10,164.3	22,442.6	1,441.9	4,720.0	1,962.8	1,165.7	558.2	204.5	313.8	
DEPARTMENTS											
DEPARTMENT OF AGRICULTURE, TOTAL .....	838.9	547.0	16.3	-	267.0	-	1.3	-	2.2	5.1	
AGRICULTURAL COOPERATIVE SERVICE .....	1.4	1.3	.1	-	-	-	-	-	-	-	
AGRICULTURAL RESEARCH SERVICE .....	454.5	393.8	13.0	-	43.7	-	.8	-	1.2	1.9	
COOPERATIVE STATE RESEARCH SERVICE .....	223.3	7.2	-	-	215.4	-	-	-	.7	-	
ECONOMIC RESEARCH SERVICE .....	40.6	40.2	-	-	.4	-	-	-	-	-	
FOREST SERVICE .....	98.0	91.6	-	-	5.4	-	.5	-	.3	.1	
HUMAN NUTRITION INFORMATION SERVICE .....	8.3	3.1	3.2	-	2.0	-	-	-	-	-	
OFF OF INTERNAT'L COOPERATION & DEV .....	3.9	.9	-	-	-	-	-	-	-	3.0	
OFFICE OF TRANSPORTATION .....	.9	.9	-	-	-	-	-	-	-	-	
STATISTICAL REPORTING SERVICE .....	8.0	7.8	-	-	.2	-	-	-	-	-	
DEPARTMENT OF COMMERCE, TOTAL .....	4,178.9	354.5	859.7	1,158.4	269.9	1,414.3	44.0	55.3	3.2	19.6	
BUREAU OF THE CENSUS .....	4.1	3.9	-	-	.2	-	-	-	-	-	
ENERGY RESEARCH AND TECHNOLOGY ADMIN 2/ .....	3,944.2	148.4	849.6	1,158.4	254.1	1,413.8	42.3	55.3	2.9	19.6	
NATIONAL BUREAU OF STANDARDS .....	80.3	75.5	2.2	-	2.5	-	-	-	-	-	
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	140.8	117.1	7.9	-	13.2	-	.5	1.7	.3	-	
NAT'L TELECOMM & INFORMATION ADMIN .....	8.9	8.9	-	-	-	-	-	-	-	-	
PATENT AND TRADEMARK OFFICE .....	.7	.7	-	-	-	-	-	-	-	-	
DEPARTMENT OF DEFENSE, TOTAL .....	24,519.6	5,977.7	16,609.9	118.4	796.9	244.0	245.1	474.1	.2	53.3	
DEPARTMENT OF THE ARMY .....	4,594.3	1,597.6	2,801.4	2.3	98.9	31.4	45.4	11.7	.2	5.4	
DEPARTMENT OF THE NAVY .....	6,251.4	1,660.9	4,078.5	111.6	252.7	31.5	76.5	10.4	-	29.2	
DEPARTMENT OF THE AIR FORCE .....	11,405.0	1,900.5	8,551.9	-	358.9	104.2	89.4	386.9	-	13.3	
DEFENSE AGENCIES .....	2,210.5	766.4	1,176.3	4.5	86.4	77.0	33.8	60.7	-	5.4	
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	58.4	52.3	1.7	-	-	-	-	4.4	-	-	
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	4,117.8	934.9	157.8	33.8	2,284.8	17.1	560.8	2.0	91.7	34.9	
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	288.7	124.2	3.6	-	125.4	-	27.7	-	6.0	1.8	
CENTERS FOR DISEASE CONTROL .....	72.0	54.0	4.0	-	6.4	-	5.4	-	.2	2.1	
FOOD & DRUG ADMINISTRATION .....	74.7	60.0	4.5	-	6.0	-	4.2	-	-	-	
HEALTH CARE FINANCING ADMIN .....	30.0	2.5	11.1	-	7.9	-	3.5	-	5.0	-	
HEALTH SERVICES ADMINISTRATION .....	1.9	1.3	-	-	-	-	-	-	-	.6	
HUMAN DEVELOPMENT SERVICES .....	64.5	4.1	2.0	-	28.1	-	9.2	-	19.6	1.5	
NATIONAL INSTITUTES OF HEALTH .....	3,534.6	671.0	125.0	33.8	2,100.1	17.1	503.6	2.0	53.7	28.3	
OFFICE OF ASST'T SECY FOR HEALTH .....	16.9	4.7	1.6	-	9.3	-	.7	-	-	.7	
OFFICE OF THE SECRETARY .....	14.7	1.5	1.4	-	1.0	-	5.8	-	5.0	-	
SOCIAL SECURITY ADMINISTRATION .....	19.8	11.7	4.6	-	.5	-	.8	-	2.1	-	
DEPT OF HOUSING & URBAN DEVELOPMENT .....	31.1	10.1	8.4	-	3.9	-	7.8	-	.9	-	
DEPARTMENT OF THE INTERIOR, TOTAL .....	364.7	245.2	42.3	.1	21.7	1.6	3.7	.3	49.4	.5	
BONNEVILLE POWER ADMINISTRATION .....	21.7	5.5	12.0	-	1.2	-	-	-	3.0	-	
BUREAU OF LAND MANAGEMENT .....	2.7	2.4	-	-	.3	-	-	-	-	-	
BUREAU OF MINES .....	77.9	44.4	25.0	-	4.8	.3	3.0	.2	.2	-	
BUREAU OF RECLAMATION .....	10.1	7.4	1.2	-	1.4	-	-	-	.1	-	
GEOLOGICAL SURVEY .....	149.5	137.8	1.8	-	9.1	.8	-	-	-	-	
NATIONAL PARK SERVICE .....	10.8	7.5	.9	.1	2.2	-	.1	-	-	.5	
OFFICE OF THE SECRETARY .....	.6	.1	-	-	-	-	-	-	-	-	
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	1.5	.5	.8	-	.2	-	-	-	-	-	
US FISH & MILDIFE SERVICE .....	89.9	39.7	.6	-	2.5	.5	.5	.1	46.0	-	
DEPARTMENT OF JUSTICE, TOTAL .....	22.0	2.7	7.1	-	4.7	-	5.4	-	2.1	-	
DRUG ENFORCEMENT ADMINISTRATION .....	1.9	.6	1.3	-	-	-	-	-	-	-	
FEDERAL BUREAU OF INVESTIGATION .....	1.1	.3	.8	-	-	-	-	-	-	-	
FEDERAL PRISON SYSTEM .....	2.6	1.0	-	-	.5	-	-	-	1.1	-	
IMMIGRATION & NATURALIZATION SVC .....	.4	.1	.3	-	-	-	-	-	-	-	
OFFICE OF THE ATTORNEY GENERAL .....	.8	.6	.6	-	.2	-	-	-	-	-	
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	15.2	.8	4.1	-	4.0	-	5.4	-	1.0	-	
DEPARTMENT OF LABOR, TOTAL .....	9.9	3.7	6.2	-	-	-	-	-	-	-	
BUREAU OF LABOR STATISTICS .....	.3	.3	-	-	-	-	-	-	-	-	
EMPLOYMENT STANDARDS ADMINISTRATION .....	1.9	1.4	.5	-	-	-	-	-	-	-	
LABOR-MANAGEMENT SERVICES ADMIN .....	.6	.6	-	-	-	-	-	-	-	-	
OCCUPATIONAL SAFETY & HEALTH ADMIN .....	5.7	.4	5.3	-	-	-	-	-	-	-	
OFFICE OF THE SECRETARY .....	.9	.9	-	-	-	-	-	-	-	-	
PENSION BENEFIT GUARANTEE CORPORATION .....	.5	.1	.4	-	-	-	-	-	-	-	
DEPARTMENT OF STATE, TOTAL .....	1.8	.9	.6	.1	.1	-	.1	.1	-	-	
DEPARTMENTAL FUNDS .....	1.8	.9	.6	.1	.1	-	.1	.1	-	-	

CONTINUED ON NEXT PAGE

TABLE C-9. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1983 (ESTIMATED)

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES							
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS		
DEPARTMENT OF TRANSPORTATION, TOTAL ..	366.5	90.5	191.9	-	22.4	-	13.4	11.3	37.0	-
COAST GUARD .....	15.0	7.7	7.4	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	151.5	31.5	104.0	-	.5	-	4.2	11.3	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	51.8	12.0	5.9	-	8.7	-	1.4	-	23.9	-
FEDERAL RAILROAD ADMINISTRATION .....	20.0	7.1	11.2	-	.3	-	.5	-	.8	-
MARITIME ADMINISTRATION .....	16.8	.9	13.4	-	.6	-	1.2	-	.6	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	59.1	8.5	35.7	-	4.3	-	3.8	-	6.8	-
OFFICE OF THE SECRETARY .....	7.8	3.5	4.2	-	.1	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	10.5	6.0	1.5	-	3.1	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN .....	34.0	13.3	8.7	-	4.8	-	2.4	-	4.8	-
DEPARTMENT OF THE TREASURY, TOTAL ....	13.2	8.1	5.0	0.1	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ...	2.2	2.0	.2	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	7.9	6.0	2.0	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE .....	3.0	.1	2.8	.1	-	-	-	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS ..	1.9	1.9	-	-	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION ..	0.6	0.4	0.2	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	229.9	109.7	51.2	-	25.3	-	29.9	-	12.7	1.2
FEDERAL COMMUNICATIONS COMMISSION .....	.7	.6	.1	-	-	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	18.1	4.5	7.2	0.4	1.1	0.7	3.4	0.4	.4	-
FEDERAL HOME LOAN BANK BOARD .....	1.5	1.1	.3	-	.1	-	-	-	-	-
FEDERAL TRADE COMMISSION .....	1.3	1.3	-	-	-	-	-	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	87.0	15.3	8.3	-	34.5	-	26.0	-	2.7	.2
GENERAL SERVICES ADMINISTRATION .....	1.5	.2	.3	-	-	-	1.0	-	-	-
INTERNATIONAL COMMUNICATION AGENCY .....	.2	.2	-	-	-	-	-	-	-	-
INTERNAT'L-DEV-COOPERATION-AGENCY .....	132.0	5.7	6.6	-	42.0	-	2.3	-	-	75.4
AGENCY FOR INTERNAT'L DEVELOPMENT ..	132.0	5.7	6.6	-	42.0	-	2.3	-	-	75.4
INTERNATIONAL TRADE COMMISSION .....	4.0	4.0	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS .....	5.3	4.9	.4	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN .....	6,512.9	1,421.6	4,420.0	-	191.0	178.8	181.0	.7	.1	119.7
NATIONAL SCIENCE FOUNDATION .....	1,025.1	126.4	28.7	1.8	748.2	78.0	39.2	.1	1.7	1.0
NUCLEAR REGULATORY COMMISSION .....	213.5	22.7	13.4	128.9	4.5	28.2	.8	13.9	.2	.9
OFFICE OF PERSONNEL MANAGEMENT .....	5.1	4.5	.2	-	.4	-	-	-	-	-
SMITHSONIAN INSTITUTION .....	51.0	48.9	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY .....	74.2	74.2	-	-	-	-	-	-	-	2.1
US ARMS CONTROL & DISARMAMENT AGENCY ..	1.2	.1	.4	-	.1	.1	.3	.2	-	-
VETERANS ADMINISTRATION .....	142.6	140.8	-	-	1.4	-	.4	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

\* INDICATES AMOUNT LESS THAN \$50,000.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-10. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT  
TO FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS,  
BY AGENCY: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	RESEARCH AND DEVELOPMENT				R&D PLANT			
	TOTAL, ALL FFRDC'S	FFRDC'S ADMIN BY INDUS- TRIAL FIRMS	FFRDC'S ADMIN BY UNIV & COL	FFRDC'S ADMIN BY OTHER NONPROFIT INSTS	TOTAL, ALL FFRDC'S	FFRDC'S ADMIN BY INDUS- TRIAL FIRMS	FFRDC'S ADMIN BY UNIV & COL	FFRDC'S ADMIN BY OTHER NONPROFIT INSTS
TOTAL, ALL AGENCIES .....	3,767,640	1,413,894	1,828,515	525,231	632,492	246,549	370,878	15,065
DEPARTMENTS								
DEPARTMENT OF COMMERCE, TOTAL .....	2,739,515	1,154,797	1,400,604	184,114	610,902	241,192	355,104	14,606
ENERGY RESEARCH & TECHNOLOGY ADMIN 1/ NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	2,738,681 834	1,154,747 50	1,399,914 690	184,020 94	610,902	241,192	355,104	14,606
DEPARTMENT OF DEFENSE, TOTAL .....	610,222	105,480	185,835	318,907	1,048	-	1,048	-
DEPARTMENT OF THE ARMY .....	36,458	3,573	24,293	8,592	-	-	-	-
DEPARTMENT OF THE NAVY .....	122,971	96,023	20,607	6,341	-	-	-	-
DEPARTMENT OF THE AIR FORCE .....	353,331	-	82,402	270,929	-	-	-	-
DEFENSE AGENCIES .....	94,310	5,884	58,533	29,893	1,048	-	1,048	-
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	3,152	-	-	3,152	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	44,641	27,925	14,996	1,720	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	44,641	27,925	14,996	1,720	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	1,997	58	1,631	308	-	-	-	-
BONNEVILLE POWER ADMINISTRATION .....	107	-	19	88	-	-	-	-
BUREAU OF MINES .....	455	-	285	170	-	-	-	-
GEOLOGICAL SURVEY .....	931	-	931	-	-	-	-	-
NATIONAL PARK SERVICE .....	58	58	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE .....	446	-	396	50	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL .....	4,000	-	4,000	-	-	-	-	-
COAST GUARD .....	200	-	200	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	3,800	-	3,800	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	196	-	-	196	-	-	-	-
BUREAU OF ALCOHOL, TOBACCO, & FIREARMS .....	196	-	-	196	-	-	-	-
OTHER AGENCIES								
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	497	85	264	148	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN .....	117,196	-	116,546	650	12,479	-	12,479	-
NATIONAL SCIENCE FOUNDATION .....	72,941	1,664	71,169	108	684	-	684	-
NUCLEAR REGULATORY COMMISSION .....	175,916	123,885	33,186	18,845	7,379	5,357	1,563	459
US ARMS CONTROL & DISARMAMENT AGENCY .....	519	-	284	235	-	-	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-11. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT TO FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS, BY AGENCY: FISCAL YEAR 1982

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	RESEARCH AND DEVELOPMENT				R&D PLANT			
	TOTAL, ALL FFRDC'S	FFRDC'S ADMIN BY INDUS-TRIAL FIRMS	FFRDC'S ADMIN BY UNIV & COL	FFRDC'S ADMIN BY OTHER NONPROFIT INSTS	TOTAL, ALL FFRDC'S	FFRDC'S ADMIN BY INDUS-TRIAL FIRMS	FFRDC'S ADMIN BY UNIV & COL	FFRDC'S ADMIN BY OTHER NONPROFIT INSTS
TOTAL, ALL AGENCIES .....	3,857,247	1,476,885	1,889,757	490,605	736,014	294,691	433,233	8,090
DEPARTMENTS								
DEPARTMENT OF COMMERCE, TOTAL .....	2,666,218	1,205,461	1,374,990	85,767	712,800	290,559	414,836	7,405
ENERGY RESEARCH & TECHNOLOGY ADMIN 1/	2,665,888	1,205,461	1,374,960	85,467	712,800	290,559	414,836	7,405
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	330	-	30	300	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	720,801	111,223	226,380	383,198	1,575	-	1,575	-
DEPARTMENT OF THE ARMY .....	40,189	1,829	28,784	9,576	-	-	-	-
DEPARTMENT OF THE NAVY .....	136,013	102,705	26,113	7,195	-	-	-	-
DEPARTMENT OF THE AIR FORCE .....	420,900	-	96,068	324,832	-	-	-	-
DEFENSE AGENCIES .....	119,206	6,689	75,415	37,102	1,575	-	1,575	-
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	4,493	-	-	4,493	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	45,299	28,017	15,439	1,843	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	45,299	28,017	15,439	1,843	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	2,418	58	1,520	840	-	-	-	-
BONNEVILLE POWER ADMINISTRATION .....	560	-	-	560	-	-	-	-
BUREAU OF MINES .....	500	-	300	200	-	-	-	-
GEOLOGICAL SURVEY .....	800	-	800	-	-	-	-	-
NATIONAL PARK SERVICE .....	58	58	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE .....	500	-	420	80	-	-	-	-
DEPARTMENT OF STATE, TOTAL .....	100	100	-	-	-	-	-	-
DEPARTMENTAL FUNDS .....	100	100	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL .....	3,997	-	3,697	300	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	3,697	-	3,697	-	-	-	-	-
MARITIME ADMINISTRATION .....	300	-	-	300	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	75	75	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE .....	75	75	-	-	-	-	-	-
OTHER AGENCIES								
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	632	158	316	158	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN .....	165,230	-	164,580	650	13,015	-	13,015	-
NATIONAL SCIENCE FOUNDATION .....	73,544	1,665	71,760	119	2,150	-	2,150	-
NUCLEAR REGULATORY COMMISSION .....	178,788	130,128	30,975	17,685	6,474	4,132	1,657	685
US ARMS CONTROL & DISARMAMENT AGENCY .....	145	-	100	45	-	-	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-12. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT  
TO FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS,  
BY AGENCY: FISCAL YEAR 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	RESEARCH AND DEVELOPMENT				R&D PLANT			
	TOTAL, ALL FFRDC'S	FFRDC'S ADMIN BY INDUS- TRIAL FIRMS	FFRDC'S ADMIN BY UNIV & COL	FFRDC'S ADMIN BY OTHER NONPROFIT INSTS	TOTAL, ALL FFRDC'S	FFRDC'S ADMIN BY INDUS- TRIAL FIRMS	FFRDC'S ADMIN BY UNIV & COL	FFRDC'S ADMIN BY OTHER NONPROFIT INSTS
TOTAL, ALL AGENCIES .....	3,962,867	1,441,909	1,962,751	558,207	469,246	189,474	274,477	5,315
DEPARTMENTS								
DEPARTMENT OF COMMERCE, TOTAL .....	2,627,937	1,158,418	1,414,250	55,269	457,166	185,754	266,717	4,695
ENERGY RESEARCH & TECHNOLOGY ADMIN 1/ NAT'L OCEANIC & ATMOSPHERIC ADMIN ....	2,627,437 500	1,158,418	1,413,750 500	55,269	457,166	185,754	266,717	4,695
DEPARTMENT OF DEFENSE, TOTAL .....	836,539	118,390	244,046	474,103	75	-	75	-
DEPARTMENT OF THE ARMY .....	45,360	2,274	31,420	11,666	-	-	-	-
DEPARTMENT OF THE NAVY .....	153,491	111,614	31,459	10,418	-	-	-	-
DEPARTMENT OF THE AIR FORCE .....	491,014	-	104,150	386,864	-	-	-	-
DEFENSE AGENCIES .....	142,266	4,502	77,017	60,747	75	-	75	-
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	4,408	-	-	4,408	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL ...	52,975	33,826	17,103	2,041	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	52,975	33,826	17,108	2,041	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	1,908	58	1,550	300	-	-	-	-
BUREAU OF MINES .....	500	-	300	200	-	-	-	-
GEOLOGICAL SURVEY .....	800	-	800	-	-	-	-	-
NATIONAL PARK SERVICE .....	58	58	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE .....	550	-	450	100	-	-	-	-
DEPARTMENT OF STATE, TOTAL .....	100	50	-	50	-	-	-	-
DEPARTMENTAL FUNDS .....	100	50	-	50	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ....	11,293	-	-	11,293	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	11,293	-	-	11,293	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	100	100	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE .....	100	100	-	-	-	-	-	-
OTHER AGENCIES								
FEDERAL EMERGENCY MANAGEMENT AGENCY ....	1,446	361	723	362	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN .....	179,477	-	178,823	650	4,515	-	515	-
NATIONAL SCIENCE FOUNDATION .....	79,742	1,779	77,954	129	1,682	-	1,682	-
NUCLEAR REGULATORY COMMISSION .....	170,739	128,927	28,152	13,860	5,828	3,720	1,448	620
US ARMS CONTROL & DISARMAMENT AGENCY ...	295	-	145	150	-	-	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-13. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT,  
TO FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFROC'S),  
BY INDIVIDUAL FFROC AND AGENCY: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS	TOTAL	DEPT OF COMMERCE 1/	DEPT OF DEFENSE	DEPT OF HEALTH & HUMAN SERVICES	NATIONAL AERONAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION	OTHER
TOTAL, ALL FFROC'S .....	4,400,132	3,350,417	611,270	44,641	129,675	73,625	190,504
FFROC'S ADMIN BY INDUSTRIAL FIRMS .....	1,660,443	1,395,989	105,480	27,925	-	1,664	129,385
BETTIS ATOMIC POWER LAB .....	265,871	194,359	45,146	26,366	-	-	-
ENERGY TECH ENGINEERING CTR .....	37,143	36,925	-	-	-	-	218
HANFORD ENGINEERING DEV LAB .....	193,943	192,888	-	-	-	-	1,055
IDAHO NAT'L ENGINEERING LAB .....	149,200	67,686	-	-	-	-	81,514
KNOLLS ATOMIC POWER LAB .....	195,478	142,942	50,711	-	-	-	1,825
MOUND LABORATORY .....	13,995	13,675	-	-	-	-	320
ORIG RIDGE NATIONAL LAB .....	255,800	232,343	161	1,193	-	1,664	20,439
SANDIA NATIONAL LABORATORIES .....	507,929	474,292	9,462	366	-	-	23,809
SAVANNAH RIVER LABORATORY .....	41,084	40,879	-	-	-	-	205
FFROC'S ADMIN BY UNIVS & COLS .....	2,199,393	1,755,708	186,883	14,996	129,025	71,853	40,928
AMES LABORATORY .....	17,520	16,667	461	-	192	-	200
ARGONNE NATIONAL LABORATORY .....	223,300	215,995	113	542	-	-	6,650
BROOKHAVEN NATIONAL LAB .....	179,392	165,874	50	3,218	-	390	9,860
CENTER FOR NAVAL ANALYSES .....	15,441	-	15,287	-	-	154	-
CERRO TOLDOLO INTER-AMERICAN OBS .....	6,052	-	240	-	-	5,812	-
E.O. LAWRENCE BERKELEY LAB .....	120,867	111,120	578	8,312	50	613	194
E.O. LAWRENCE LIVERMORE NAT'L LAB .....	506,395	464,538	33,266	1,179	-	-	7,412
FERMILAB .....	120,266	120,266	-	-	-	-	-
JET PROPULSION LABORATORY .....	188,153	54,918	4,742	103	128,370	20	-
KITT PEAK NAT'L OBSERVATORY .....	11,103	-	-	-	-	11,103	-
LINCOLN LABORATORY .....	137,751	10,408	123,130	-	413	-	3,800
LOS ALAMOS NATIONAL LAB .....	424,221	401,158	9,016	1,178	-	57	12,812
NAT'L ASTRONOMY & IONOSPHERE CTR .....	5,407	-	-	-	-	5,407	-
NAT'L CENTER FOR ATMOSPHERIC RSCH .....	32,337	690	-	-	-	31,647	-
NAT'L RADIO ASTRONOMY OBSERVATORY .....	14,790	-	-	-	-	14,790	-
ORIG RIDGE INST OF NUCLEAR STUDIES .....	24,414	23,950	-	464	-	-	-
PLASMA PHYSICS LABORATORY .....	105,627	105,627	-	-	-	-	-
SACRAMENTO PEAK OBSERVATORY .....	1,860	-	-	-	-	1,860	-
STANFORD LINEAR ACCELERATOR CTR .....	64,497	64,497	-	-	-	-	-
FFROC'S ADMIN BY OTHER NONPROFIT INSTS .....	540,296	198,720	318,907	1,720	650	108	20,191
AEROSPACE CORPORATION .....	189,684	3,475	185,312	-	413	83	401
INST. FOR DEFENSE ANALYSES .....	14,549	-	14,401	-	-	-	148
MITRE CORP - C3 DIVISION .....	105,707	-	105,707	-	-	-	-
PACIFIC NORTHWEST LABORATORY .....	106,036	84,872	525	821	151	25	19,642
RAND - PROJECT AIR FORCE .....	13,947	-	12,962	899	86	-	-
SOLAR ENERGY RESEARCH INST .....	110,373	110,373	-	-	-	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-14. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1981  
(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							STATE AND LOCAL GOVTS	FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS			
TOTAL, ALL AGENCIES .....	12,212,780	4,034,199	1,958,306	351,344	3,920,144	940,602	705,197	67,704	129,312	105,972	
DEPARTMENTS											
DEPARTMENT OF AGRICULTURE, TOTAL .....	740,984	481,889	8,324	-	240,383	-	2,205	-	3,557	4,626	
AGRICULTURAL COOPERATIVE SERVICE .....	1,739	1,213	-	-	526	-	-	-	-	-	
AGRICULTURAL MARKETING SERVICE .....	907	877	-	-	30	-	-	-	-	-	
AGRICULTURAL RESEARCH SERVICE .....	367,922	321,276	8,271	-	32,546	-	1,627	-	2,534	1,668	
COOPERATIVE STATE RESEARCH SERVICE .....	199,383	7,137	-	-	191,573	-	-	-	673	-	
ECONOMIC RESEARCH SERVICE .....	39,343	37,496	-	-	1,847	-	-	-	-	-	
FOREST SERVICE .....	119,859	105,699	53	-	13,013	-	578	-	350	166	
OFF OF INTERNAT'L COOPERATION & DEV .....	3,561	769	-	-	-	-	-	-	-	2,792	
OFFICE OF TRANSPORTATION .....	770	770	-	-	-	-	-	-	-	-	
STATISTICAL REPORTING SERVICE .....	7,500	6,652	-	-	848	-	-	-	-	-	
DEPARTMENT OF COMMERCE, TOTAL .....	1,662,980	265,276	146,760	156,815	289,103	720,424	36,662	32,147	8,573	7,220	
BUREAU OF THE CENSUS .....	3,016	2,851	-	-	165	-	-	-	-	-	
ECONOMIC DEVELOPMENT ADMINISTRATION .....	1,800	202	225	-	800	-	573	-	-	-	
ENERGY RESEARCH AND TECHNOLOGY ADMIN. 2/ .....	1,413,605	76,803	139,077	156,765	248,069	719,801	34,517	32,053	45	6,475	
NATIONAL BUREAU OF STANDARDS .....	66,206	62,924	71,301	-	1,416	-	132	-	-	433	
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	168,496	112,639	6,157	50	38,653	623	1,440	94	8,528	312	
NAT'L TELECOMM & INFORMATION ADMIN .....	9,857	9,857	-	-	-	-	-	-	-	-	
DEPARTMENT OF DEFENSE, TOTAL .....	2,600,900	1,027,016	1,006,089	50,196	362,966	64,780	60,689	13,377	139	15,148	
DEPARTMENT OF THE ARMY .....	536,455	327,585	135,295	-	55,545	1,439	11,693	980	139	3,779	
DEPARTMENT OF THE NAVY .....	698,000	374,981	128,712	44,312	133,402	4,808	-6,374	1,633	-	3,778	
DEPARTMENT OF THE AIR FORCE .....	617,300	386,357	268,743	-	134,487	-	19,095	600	-	6,018	
DEFENSE AGENCIES .....	749,145	136,093	473,339	5,884	39,532	58,533	23,527	10,664	-	1,573	
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	3,492,241	791,312	116,520	18,641	2,000,154	13,461	465,859	1,523	60,619	24,152	
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	237,684	79,039	4,437	-	116,316	-	30,927	-	5,386	1,579	
CENTERS FOR DISEASE CONTROL .....	674,822	52,777	9,106	-	6,394	-	5,219	-	332	994	
FOOD & DRUG ADMINISTRATION .....	71,400	57,857	3,818	-	5,726	-	3,999	-	-	-	
HEALTH CARE FINANCING ADMIN .....	38,623	3,185	14,278	-	10,075	-	4,493	-	6,592	-	
HEALTH RESOURCES ADMINISTRATION .....	5,038	88	-	-	4,516	-	434	-	-	-	
HEALTH SERVICES ADMINISTRATION .....	10,236	5,978	-	-	2,503	-	1,306	-	222	227	
HUMAN DEVELOPMENT SERVICES .....	39,897	2,530	1,534	-	23,739	-	8,071	-	3,043	980	
NATIONAL INSTITUTES OF HEALTH .....	2,948,309	566,035	77,555	18,641	1,812,950	13,461	401,688	1,523	36,594	19,862	
OFFICE OF ASSTY SECY FOR HEALTH .....	28,754	10,697	3,660	-	12,585	-	1,526	-	-	286	
OFFICE OF THE SECRETARY .....	19,500	1,920	1,890	-	1,515	-	7,560	-	6,615	-	
SOCIAL SECURITY ADMINISTRATION .....	17,978	11,206	242	-	3,835	-	636	-	1,835	224	
DEPT OF HOUSING & URBAN DEVELOPMENT .....	16,690	15,485	67	-	240	-	767	-	131	-	
DEPARTMENT OF THE INTERIOR, TOTAL .....	369,837	246,998	39,855	58	34,319	1,412	1,490	171	44,933	591	
BONNEVILLE POWER ADMINISTRATION .....	6,491	1,807	3,574	-	269	-	-	71	770	-	
BUREAU OF LAND MANAGEMENT .....	1,458	770	-	-	688	-	-	-	-	-	
BUREAU OF MINES .....	68,000	38,000	27,400	-	1,500	85	965	50	-	-	
BUREAU OF RECLAMATION .....	13,387	7,434	1,765	-	3,215	-	-	-	973	-	
GEOLOGICAL SURVEY .....	169,277	155,464	3,892	-	8,990	931	-	-	-	-	
NATIONAL PARK SERVICE .....	10,351	7,160	828	58	2,175	-	125	-	5	591	
OFFICE OF THE SECRETARY .....	1,514	615	308	-	-	-	-	-	-	-	
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	5,794	1,563	424	-	3,807	-	-	-	-	-	
OFFICE OF WATER RSCH & TECHNOLOGY .....	15,790	2,170	1,230	-	12,390	-	400	50	43,195	-	
US FISH & WILDLIFE SERVICE .....	77,775	32,015	434	-	1,285	396	-	-	-	-	
DEPARTMENT OF JUSTICE, TOTAL .....	19,503	1,471	3,328	-	7,311	-	6,149	-	1,150	94	
DRUG ENFORCEMENT ADMINISTRATION .....	400	100	300	-	-	-	-	-	-	-	
FEDERAL PRISON SYSTEM .....	1,657	457	-	-	500	-	-	-	700	-	
IMMIGRATION & NATURALIZATION SVC .....	70	47	23	-	-	-	-	-	-	-	
OFFICE OF THE ATTORNEY GENERAL .....	700	100	500	-	100	-	-	-	450	94	
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	16,676	767	2,505	-	6,711	-	6,149	-	-	-	
DEPARTMENT OF LABOR, TOTAL .....	58,197	34,910	8,124	-	7,264	-	7,736	-	163	-	
BUREAU OF LABOR STATISTICS .....	251	251	-	-	-	-	-	-	-	-	
EMPLOYMENT STANDARDS ADMINISTRATION .....	3,200	2,720	293	-	10	-	177	-	-	-	
EMPLOYMENT & TRAINING ADMIN .....	48,794	29,753	4,829	-	6,905	-	7,144	-	163	-	
LABOR-MANAGEMENT SERVICES ADMIN .....	1,752	1,053	45	-	297	-	357	-	-	-	
OCCUPATIONAL SAFETY & HEALTH ADMIN .....	3,000	20	2,870	-	52	-	58	-	-	-	
OFFICE OF THE SECRETARY .....	1,100	1,100	-	-	-	-	-	-	-	-	
PENSION BENEFIT GUARANTEE CORPORATION .....	100	13	87	-	-	-	-	-	-	-	
DEPARTMENT OF STATE, TOTAL .....	1,606	1,015	536	-	55	-	-	-	-	-	
DEPARTMENTAL FUNDS .....	1,606	1,015	536	-	55	-	-	-	-	-	

CONTINUED ON NEXT PAGE

TABLE C-14. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1981  
(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES								
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS			
DEPARTMENT OF TRANSPORTATION, TOTAL ..	88,589	29,228	44,102	-	8,276	200	3,924	-	2,859	-	
COAST GUARD .....	14,963	5,509	8,984	-	270	200	-	-	-	-	
FEDERAL AVIATION ADMINISTRATION .....	8,200	1,804	6,396	-	-	-	-	-	-	-	
FEDERAL HIGHWAY ADMINISTRATION .....	5,100	1,224	1,112	-	1,525	-	1,076	-	163	-	
FEDERAL RAILROAD ADMINISTRATION .....	6,200	4,774	1,426	-	-	-	-	-	-	-	
MARITIME ADMINISTRATION .....	9,526	250	8,297	-	400	-	500	-	79	-	
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	29,400	8,767	15,156	-	2,047	-	1,377	-	2,053	-	
OFFICE OF THE SECRETARY .....	700	385	315	-	-	-	-	-	-	-	
RESEARCH & SPECIAL PROGRAMS ADMIN .....	5,200	3,383	200	-	1,617	-	-	-	-	-	
URBAN MASS TRANSPORTATION ADMIN .....	9,300	3,132	2,216	-	2,417	-	971	-	564	-	
DEPARTMENT OF THE TREASURY, TOTAL .....	5,219	3,614	1,555	-	-	-	-	50	-	-	
BUREAU OF ALCOHOL, TOBACCO, & FIREARMS .....	100	50	-	-	-	-	-	50	-	-	
BUREAU OF ENGRAVING AND PRINTING .....	907	832	75	-	-	-	-	-	-	-	
INTERNAL REVENUE SERVICE .....	4,158	2,722	1,436	-	-	-	-	-	-	-	
UNITED STATES CUSTOMS SERVICE .....	54	10	44	-	-	-	-	-	-	-	
OTHER AGENCIES											
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	2,211	2,211	-	-	-	-	-	-	-	-	
APPALACHIAN REGIONAL COMMISSION .....	280	10	75	-	-	-	-	-	195	-	
COMMUNITY SERVICES ADMINISTRATION .....	1,927	40	-	-	-	-	1,887	-	-	-	
CONSUMER PRODUCT SAFETY COMMISSION .....	210	100	110	-	-	-	-	-	-	-	
ENVIRONMENTAL PROTECTION AGENCY .....	218,300	107,436	52,472	-	48,425	-	5,632	-	3,178	1,157	
FEDERAL COMMUNICATIONS COMMISSION .....	1,815	1,142	673	-	-	-	-	-	-	-	
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	9,088	2,900	2,606	85	1,646	264	1,319	148	120	-	
FEDERAL HOME LOAN BANK BOARD .....	1,036	949	87	-	-	-	-	-	-	-	
FEDERAL TRADE COMMISSION .....	1,100	1,100	-	-	-	-	-	-	-	-	
FOUNDATION FOR EDUCATION ASSISTANCE 3/ .....	53,788	7,411	7,499	-	22,616	-	14,422	-	1,682	158	
GENERAL SERVICES ADMINISTRATION .....	390	239	118	-	-	-	33	-	-	-	
INTERNATIONAL COMMUNICATION AGENCY .....	1,116	195	9	-	446	-	466	-	-	-	
INTERNAT'L DEV COOPERATION AGENCY .....	86,400	5,172	3,804	-	32,754	-	2,157	-	-	42,513	
AGENCY FOR INTERNAT'L DEVELOPMENT ..	86,400	5,172	3,804	-	32,754	-	2,157	-	-	42,513	
INTERNATIONAL TRADE COMMISSION .....	3,397	3,397	-	-	-	-	-	-	-	-	
LIBRARY OF CONGRESS .....	900	900	-	-	-	-	-	-	-	-	
NATIONAL AERONAUTICS & SPACE ADMIN .....	1,407,158	691,988	479,224	-	157,152	35,422	39,116	600	79	3,577	
NATIONAL SCIENCE FOUNDATION .....	955,464	106,052	29,323	1,644	697,884	71,149	45,623	108	1,428	2,213	
NUCLEAR REGULATORY COMMISSION .....	219,667	25,114	6,501	123,885	8,123	33,186	2,696	18,845	496	821	
OFFICE OF PERSONNEL MANAGEMENT .....	3,387	2,488	117	-	744	-	38	-	-	-	
SMITHSONIAN INSTITUTION .....	44,861	41,159	-	-	-	-	-	-	-	3,702	
TENNESSEE VALLEY AUTHORITY .....	14,200	8,332	-	-	-	-	5,868	-	-	-	
US ARMS CONTROL & DISARMAMENT AGENCY ..	1,639	150	428	-	83	284	459	235	-	-	
VETERANS ADMINISTRATION .....	127,700	127,500	-	-	200	-	-	-	-	-	

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-15. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1982 (ESTIMATED)  
(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES								
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS			
TOTAL, ALL AGENCIES .....	12,594,982	4,152,320	1,974,792	417,506	3,996,858	1,019,180	697,621	87,480	123,450	125,775	
DEPARTMENTS											
DEPARTMENT OF AGRICULTURE, TOTAL .....	775,339	492,619	11,467	-	263,051	-	1,272	-	2,195	4,735	
AGRICULTURAL COOPERATIVE SERVICE .....	1,808	908	-	-	900	-	-	-	-	-	
AGRICULTURAL MARKETING SERVICE .....	1,177	1,177	-	-	-	-	-	-	-	-	
AGRICULTURAL RESEARCH SERVICE .....	385,755	337,064	9,423	-	35,652	-	735	-	1,151	1,730	
COOPERATIVE STATE RESEARCH SERVICE .....	221,216	7,766	-	-	212,722	-	-	-	728	-	
ECONOMIC RESEARCH SERVICE .....	39,360	38,989	-	-	371	-	-	-	-	-	
FOREST SERVICE .....	105,977	95,225	44	-	9,700	-	537	-	316	155	
HUMAN NUTRITION INFORMATION SERVICE .....	8,500	3,000	2,000	-	3,500	-	-	-	-	-	
OFF OF INTERNAT'L COOPERATION & DEV .....	3,684	834	-	-	-	-	-	-	-	2,850	
OFFICE OF TRANSPORTATION .....	862	862	-	-	-	-	-	-	-	-	
STATISTICAL REPORTING SERVICE .....	7,000	6,794	-	-	206	-	-	-	-	-	
DEPARTMENT OF COMMERCE, TOTAL .....	1,762,201	254,785	166,677	208,066	272,451	769,639	32,525	48,982	284	8,792	
BUREAU OF THE CENSUS .....	2,837	2,757	-	-	80	-	-	-	-	-	
ECONOMIC DEVELOPMENT ADMINISTRATION .....	1,900	402	750	-	-	-	748	-	-	-	
ENERGY RESEARCH AND TECHNOLOGY ADMIN 2/ .....	1,542,272	75,751	159,890	208,066	241,137	769,609	30,443	48,682	45	8,649	
NATIONAL BUREAU OF STANDARDS .....	71,871	67,874	2,031	-	1,816	-	150	-	-	-	
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	133,163	97,900	4,006	-	29,418	30	1,184	300	239	86	
NAT'L TELECOMM & INFORMATION ADMIN .....	10,091	10,091	-	-	-	-	-	-	-	57	
OFFICE OF THE SECRETARY .....	67	10	-	-	-	-	-	-	-	-	
DEPARTMENT OF DEFENSE, TOTAL .....	2,883,120	1,117,466	1,107,756	58,472	408,666	81,293	72,681	17,180	150	19,456	
DEPARTMENT OF THE ARMY .....	583,523	346,550	155,304	-	61,819	2,100	13,190	595	150	3,815	
DEPARTMENT OF THE NAVY .....	770,600	388,314	157,345	51,783	151,261	3,778	10,354	1,580	-	6,185	
DEPARTMENT OF THE AIR FORCE .....	592,400	179,820	250,603	-	137,843	-	17,744	600	-	5,790	
DEFENSE AGENCIES .....	936,597	202,782	544,504	6,689	57,743	75,415	31,393	14,405	-	3,666	
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	3,554,195	821,072	110,301	18,859	2,049,313	13,937	452,470	1,671	58,546	28,026	
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	250,708	106,029	3,009	-	113,096	-	21,725	-	5,110	1,739	
CENTERS FOR DISEASE CONTROL .....	70,529	50,553	6,300	-	6,010	-	5,478	200	-	1,988	
FOOD & DRUG ADMINISTRATION .....	72,700	58,800	4,000	-	5,800	-	4,100	-	-	-	
HEALTH CARE FINANCING ADMIN .....	29,500	2,433	10,905	-	7,778	-	3,432	-	4,952	-	
HEALTH RESOURCES ADMINISTRATION .....	2,488	88	-	-	2,200	-	-	-	-	587	
HEALTH SERVICES ADMINISTRATION .....	1,920	1,333	-	-	-	-	-	-	-	1,945	
HUMAN DEVELOPMENT SERVICES .....	35,095	2,373	1,488	-	22,441	-	4,669	-	2,179	1,945	
NATIONAL INSTITUTES OF HEALTH .....	3,047,100	582,416	79,555	18,859	1,882,833	13,937	406,748	1,671	39,779	21,302	
OFFICE OF ASST'T SECY FOR HEALTH .....	14,188	4,485	1,496	-	7,138	-	644	-	-	425	
OFFICE OF THE SECRETARY .....	13,440	1,304	1,304	-	1,032	-	5,216	-	4,564	-	
SOCIAL SECURITY ADMINISTRATION .....	16,527	11,238	2,244	-	985	-	258	-	1,762	40	
DEPT OF HOUSING & URBAN DEVELOPMENT ..	13,001	6,917	338	-	1,209	-	3,874	-	663	-	
DEPARTMENT OF THE INTERIOR, TOTAL .....	349,828	232,748	38,551	58	27,266	1,320	1,640	740	46,965	540	
BONNEVILLE POWER ADMINISTRATION .....	10,959	2,758	5,378	-	475	-	-	560	1,788	-	
BUREAU OF LAND MANAGEMENT .....	1,580	480	-	-	1,100	-	-	-	-	-	
BUREAU OF MINES .....	69,844	38,200	25,000	-	5,444	100	1,000	100	-	-	
BUREAU OF RECLAMATION .....	9,991	5,211	1,498	-	2,340	-	-	-	942	-	
GEOLOGICAL SURVEY .....	157,292	144,000	3,345	-	9,147	800	-	-	-	-	
NATIONAL PARK SERVICE .....	11,093	7,790	900	58	2,200	-	140	-	5	540	
OFFICE OF THE SECRETARY .....	594	54	-	-	-	-	-	-	-	-	
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	1,000	300	500	-	200	-	-	-	-	-	
OFFICE OF WATER RSCH & TECHNOLOGY ..	7,320	1,160	1,450	-	4,710	-	-	-	-	-	
US FISH & WILDLIFE SERVICE .....	80,155	32,795	480	-	1,650	420	500	80	44,230	-	
DEPARTMENT OF JUSTICE, TOTAL .....	19,164	1,456	3,813	-	6,350	-	6,195	-	1,350	-	
DRUG ENFORCEMENT ADMINISTRATION .....	1,000	200	800	-	-	-	-	-	-	-	
FEDERAL PRISON SYSTEM .....	1,657	457	-	-	500	-	-	-	700	-	
IMMIGRATION & NATURALIZATION SVC .....	376	47	329	-	-	-	-	-	-	-	
OFFICE OF THE ATTORNEY GENERAL .....	804	4	500	-	300	-	-	-	-	-	
OFF OF JUSTICE- ASSIST, RSCH, & STAT .....	15,327	748	2,184	-	5,550	-	6,195	-	650	-	
DEPARTMENT OF LABOR, TOTAL .....	29,251	15,918	8,030	-	6,195	-	1,042	-	66	-	
BUREAU OF LABOR STATISTICS .....	291	291	-	-	-	-	-	-	-	-	
EMPLOYMENT STANDARDS ADMINISTRATION .....	2,000	1,270	730	-	-	-	-	-	-	-	
EMPLOYMENT & TRAINING ADMIN .....	20,359	12,396	2,660	-	4,195	-	1,042	-	66	-	
LABOR-MANAGEMENT SERVICES ADMIN .....	606	606	-	-	-	-	-	-	-	-	
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	4,900	400	4,500	-	-	-	-	-	-	-	
OFFICE OF THE SECRETARY .....	900	900	-	-	-	-	-	-	-	-	
PENSION BENEFIT GUARANTEE CORPORATION .....	195	55	140	-	-	-	-	-	-	-	
DEPARTMENT OF STATE, TOTAL .....	1,999	1,049	700	100	100	-	50	-	-	-	
DEPARTMENTAL FUNDS .....	1,999	1,049	700	100	100	-	50	-	-	-	

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TABLE C-15. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES							
			INDUS-TRIAL FIRMS	FFROCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFROCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFROCS ADMIN BY NON-PROFIT INSTI-TUTIONS		
DEPARTMENT OF TRANSPORTATION, TOTAL ..	69,134	26,326	28,730	-	8,286	-	3,196	300	2,296	-
COAST GUARD .....	10,125	4,658	5,467	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	3,100	1,714	1,386	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	5,000	1,200	1,090	-	1,495	-	1,055	-	160	-
FEDERAL RAILROAD ADMINISTRATION .....	6,100	4,758	1,342	-	-	-	-	-	-	-
MARITIME ADMINISTRATION .....	6,502	250	4,888	-	964	-	-	300	100	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	22,200	6,793	11,445	-	1,546	-	1,040	-	1,376	-
OFFICE OF THE SECRETARY .....	600	330	270	-	-	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN .....	4,500	2,881	200	-	1,419	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN .....	11,007	3,742	2,642	-	2,862	-	1,101	-	660	-
DEPARTMENT OF THE TREASURY, TOTAL ....	6,482	5,457	1,025	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ...	1,393	819	574	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	5,089	4,638	451	-	-	-	-	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	1,884	1,884	-	-	-	-	-	-	-	-
APPALACHIAN REGIONAL COMMISSION .....	300	50	150	-	-	-	-	-	100	-
ENVIRONMENTAL PROTECTION AGENCY .....	216,600	101,295	47,283	-	41,308	-	17,852	-	7,562	1,300
FEDERAL COMMUNICATIONS COMMISSION .....	953	908	45	-	-	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	9,332	2,664	3,158	158	1,164	316	1,558	158	156	-
FEDERAL HOME LOAN BANK BOARD .....	1,210	1,028	122	-	60	-	-	-	-	-
FEDERAL TRADE COMMISSION .....	1,159	1,159	-	-	-	-	-	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	41,488	6,672	6,547	-	16,484	-	10,286	-	1,313	186
GENERAL SERVICES ADMINISTRATION .....	553	70	50	-	-	-	433	-	-	-
INTERNATIONAL COMMUNICATION AGENCY ...	1,216	57	491	-	328	-	340	-	-	-
INTERNAT'L DEV COOPERATION AGENCY ....	101,433	5,194	5,044	-	36,139	-	1,800	-	-	53,256
AGENCY FOR INTERNAT'L DEVELOPMENT ..	101,433	5,194	5,044	-	36,139	-	1,800	-	-	53,256
INTERNATIONAL TRADE COMMISSION .....	3,639	3,639	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS .....	700	700	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	1,384,813	735,110	395,316	-	158,000	49,840	42,258	600	79	3,610
NATIONAL SCIENCE FOUNDATION .....	959,594	113,378	31,715	1,665	697,433	71,760	40,181	119	1,565	1,778
NUCLEAR REGULATORY COMMISSION .....	215,763	23,567	7,071	130,128	4,200	30,975	1,082	17,685	160	895
OFFICE OF PERSONNEL MANAGEMENT .....	2,807	2,182	80	-	545	-	-	-	-	-
SMITHSONIAN INSTITUTION .....	47,554	44,353	-	-	-	-	-	-	-	3,201
TENNESSEE VALLEY AUTHORITY .....	19,100	12,824	-	-	-	-	6,276	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	570	20	160	-	25	100	220	45	-	-
VETERANS ADMINISTRATION .....	120,600	119,753	172	-	285	-	390	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-16. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS	FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS		
TOTAL, ALL AGENCIES .....	13,264,864	4,402,749	2,137,132	407,928	4,130,129	1,107,546	721,484	93,460	140,625	123,811
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	808,180	520,789	15,389	-	263,906	-	1,222	-	2,172	4,702
AGRICULTURAL COOPERATIVE SERVICE ...	1,436	1,336	100	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	428,249	371,522	12,250	-	40,769	-	735	-	1,151	1,822
COOPERATIVE STATE RESEARCH SERVICE ..	223,303	7,206	-	-	215,360	-	-	-	737	-
ECONOMIC RESEARCH SERVICE .....	40,584	40,213	-	-	371	-	-	-	-	-
FOREST SERVICE .....	94,560	88,209	39	-	5,400	-	487	-	284	141
HUMAN NUTRITION INFORMATION SERVICE	7,600	2,800	3,000	-	1,800	-	-	-	-	-
OFF OF INTERNAT'L COOPERATION &										
DEV .....	3,604	865	-	-	-	-	-	-	-	2,739
OFFICE OF TRANSPORTATION .....	844	844	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	8,000	7,794	-	-	206	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	1,685,220	233,622	83,193	191,615	255,932	844,742	29,598	37,179	380	8,959
BUREAU OF THE CENSUS .....	2,993	2,838	-	-	155	-	-	-	-	-
ENERGY RESEARCH AND TECHNOLOGY										
ADMIN 2/ .....	1,499,143	70,032	76,557	191,615	242,387	844,242	28,155	37,179	47	8,929
NATIONAL BUREAU OF STANDARDS .....	72,061	67,314	2,231	-	2,516	-	-	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	103,140	85,555	4,405	-	10,874	500	1,443	-	333	30
NAT'L TELECOMM & INFORMATION ADMIN ..	7,883	7,883	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	3,326,061	1,260,255	1,293,123	61,408	488,739	85,051	78,035	39,090	163	20,197
DEPARTMENT OF THE ARMY .....	708,631	384,471	209,716	-	86,479	2,826	18,496	1,630	163	4,850
DEPARTMENT OF THE NAVY .....	851,300	450,517	163,950	56,906	159,813	5,208	9,189	2,608	-	3,109
DEPARTMENT OF THE AIR FORCE .....	706,200	214,511	300,232	-	160,487	-	23,303	800	-	6,867
DEFENSE AGENCIES .....	1,059,930	210,756	619,225	4,502	81,960	77,017	27,047	34,052	-	5,371
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	3,703,265	861,601	117,621	23,730	2,104,329	15,316	475,566	1,840	73,507	29,755
ALCOHOL, DRUG ABUSE & MENTAL HLTH										
ADMIN .....	286,980	123,076	3,554	-	125,414	-	27,086	-	6,007	1,843
CENTERS FOR DISEASE CONTROL .....	72,019	53,982	4,000	-	6,400	-	5,357	-	200	2,080
FOOD & DRUG ADMINISTRATION .....	74,700	60,000	4,500	-	6,000	-	4,200	-	-	-
HEALTH CARE FINANCING ADMIN .....	30,000	2,474	11,090	-	7,910	-	3,490	-	5,036	-
HEALTH SERVICES ADMINISTRATION .....	1,865	1,300	-	-	-	-	-	-	-	565
HUMAN DEVELOPMENT SERVICES .....	42,357	1,925	500	-	21,711	-	4,844	-	11,904	1,473
NATIONAL INSTITUTES OF HEALTH .....	3,146,300	601,680	86,548	23,730	1,927,365	15,316	423,490	1,840	43,189	23,142
OFFICE OF ASST'T SECY FOR HEALTH .....	14,551	3,967	1,352	-	7,998	-	582	-	-	652
OFFICE OF THE SECRETARY .....	14,718	1,457	1,442	-	1,006	-	5,767	-	5,046	-
SOCIAL SECURITY ADMINISTRATION .....	19,775	11,740	4,635	-	525	-	750	-	2,125	-
DEPT OF HOUSING & URBAN DEVELOPMENT ..	12,426	6,611	323	-	1,156	-	3,713	-	623	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	318,663	221,000	27,465	58	17,553	1,350	1,670	200	48,867	500
BONNEVILLE POWER ADMINISTRATION ....	11,465	2,278	5,306	-	863	-	-	-	3,018	-
BUREAU OF LAND MANAGEMENT .....	2,224	2,024	-	-	200	-	-	-	-	-
BUREAU OF MINES .....	56,900	37,300	17,000	-	1,400	100	1,000	100	-	-
BUREAU OF RECLAMATION .....	9,322	6,598	1,160	-	1,420	-	-	-	144	-
GEOLOGICAL SURVEY .....	149,481	137,827	1,774	-	9,080	800	-	-	-	-
NATIONAL PARK SERVICE .....	10,806	7,503	900	58	2,200	-	140	-	5	-
OFFICE OF THE SECRETARY .....	550	50	-	-	-	-	-	-	-	500
OFF OF SURFACE MINING RECLAMATION										
& ENFORCEMENT .....	1,500	470	790	-	240	-	-	-	-	-
US FISH & WILDLIFE SERVICE .....	76,415	26,950	535	-	2,150	450	530	100	45,700	-
DEPARTMENT OF JUSTICE, TOTAL .....	15,329	1,263	3,279	-	4,300	-	5,150	-	1,337	-
DRUG ENFORCEMENT ADMINISTRATION ....	600	200	400	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM .....	1,657	457	-	-	500	-	-	-	700	-
IMMIGRATION & NATURALIZATION SVC ...	200	47	153	-	-	-	-	-	-	-
OFFICE OF THE ATTORNEY GENERAL .....	709	9	500	-	200	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	12,163	550	2,226	-	3,600	-	5,150	-	637	-
DEPARTMENT OF LABOR, TOTAL .....	9,441	3,616	5,825	-	-	-	-	-	-	-
BUREAU OF LABOR STATISTICS .....	315	315	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION	1,900	1,375	525	-	-	-	-	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN ....	626	626	-	-	-	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	5,700	400	5,300	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY .....	900	900	-	-	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL .....	1,755	940	565	50	100	-	50	50	-	-
DEPARTMENTAL FUNDS .....	1,755	940	565	50	100	-	50	50	-	-

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TABLE C-16. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							FOREIGN
			UNITED STATES AND TERRITORIES							
			INDUS-TRIAL FIRMS	FFROCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFROCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFROCS ADMIN BY NON-PROFIT INSTI-TUTIONS	STATE AND LOCAL GOVTS	
DEPARTMENT OF TRANSPORTATION, TOTAL ..	73,335	23,214	36,084	-	7,554	-	4,005	-	2,478	-
COAST GUARD .....	8,175	4,169	4,006	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	8,000	1,985	6,015	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	5,200	1,248	1,134	-	1,555	-	1,097	-	166	-
FEDERAL RAILROAD ADMINISTRATION .....	3,400	2,652	748	-	-	-	-	-	-	-
MARITIME ADMINISTRATION .....	12,760	700	10,020	-	640	-	1,000	-	400	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	22,600	6,915	11,651	-	1,574	-	1,058	-	1,402	-
OFFICE OF THE SECRETARY .....	600	330	270	-	-	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	4,100	2,325	200	-	1,575	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN .....	8,500	2,890	2,040	-	2,210	-	850	-	510	-
DEPARTMENT OF THE TREASURY, TOTAL ....	9,720	7,608	2,112	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ...	1,781	1,620	161	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	7,939	5,988	1,951	-	-	-	-	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	1,925	1,925	-	-	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION ...	181	31	150	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	159,800	75,071	35,588	-	23,416	-	17,225	-	7,300	1,200
FEDERAL COMMUNICATIONS COMMISSION ...	654	604	50	-	-	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ...	18,074	4,519	7,230	361	1,084	723	3,434	362	361	-
FEDERAL HOME LOAN BANK BOARD .....	1,497	1,095	333	-	69	-	-	-	-	-
FEDERAL TRADE COMMISSION .....	1,300	1,300	-	-	-	-	-	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 3/	44,594	6,699	5,494	-	19,454	-	11,351	-	1,426	170
GENERAL SERVICES ADMINISTRATION .....	1,480	225	250	-	-	-	1,005	-	-	-
INTERNATIONAL COMMUNICATION AGENCY ...	150	150	-	-	-	-	-	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	91,544	4,300	3,944	-	30,955	-	1,650	-	-	50,695
AGENCY FOR INTERNAT'L DEVELOPMENT ..	91,544	4,300	3,944	-	30,955	-	1,650	-	-	50,695
INTERNATIONAL TRADE COMMISSION .....	3,994	3,994	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS .....	700	700	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	1,531,732	811,579	456,635	-	158,000	54,113	47,116	600	79	3,610
NATIONAL SCIENCE FOUNDATION .....	1,025,113	126,380	28,740	1,779	748,224	77,954	39,182	129	1,717	1,008
NUCLEAR REGULATORY COMMISSION .....	213,525	22,650	13,419	128,927	4,547	28,152	840	13,860	215	915
OFFICE OF PERSONNEL MANAGEMENT .....	2,223	1,729	70	-	424	-	-	-	-	-
SMITHSONIAN INSTITUTION .....	51,031	48,931	-	-	-	-	-	-	-	2,100
TENNESSEE VALLEY AUTHORITY .....	23,400	23,400	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	952	85	250	-	50	145	272	150	-	-
VETERANS ADMINISTRATION .....	127,600	126,863	-	-	337	-	400	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-17. FEDERAL OBLIGATIONS FOR RESEARCH, BY DETAILED FIELD OF SCIENCE:  
FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1981	ESTIMATES	
		1982	1983
TOTAL, ALL FIELDS .....	12,212,780	12,594,982	13,264,864
LIFE SCIENCES, TOTAL .....	4,435,640	4,593,040	4,735,000
BIOLOGICAL (EXCLUDING ENVIRONMENTAL) .....	1,996,635	2,070,131	2,124,376
ENVIRONMENTAL BIOLOGY .....	220,316	224,812	222,376
AGRICULTURAL .....	494,817	523,713	545,200
MEDICAL .....	1,609,930	1,656,894	1,727,855
LIFE SCIENCES, NEC .....	113,942	117,490	115,193
PSYCHOLOGY, TOTAL .....	208,898	214,763	257,986
BIOLOGICAL ASPECTS .....	57,511	58,467	67,155
SOCIAL ASPECTS .....	93,488	96,740	117,721
PSYCHOLOGICAL SCIENCES, NEC .....	57,899	59,556	73,110
PHYSICAL SCIENCES, TOTAL .....	2,220,534	2,510,073	2,846,294
ASTRONOMY .....	281,027	320,665	386,078
CHEMISTRY .....	688,877	645,100	532,818
PHYSICS .....	1,345,638	1,396,255	1,762,371
PHYSICAL SCIENCES, NEC .....	106,992	148,053	165,027
ENVIRONMENTAL SCIENCES, TOTAL .....	1,121,080	1,092,759	1,097,700
ATMOSPHERIC .....	373,432	382,195	390,248
GEOLOGICAL .....	396,082	372,345	369,813
OCEANOGRAPHY .....	261,684	250,757	252,752
ENVIRONMENTAL SCIENCES, NEC .....	89,882	87,462	84,887
MATHEMATICS & COMPUTER SCIENCES, TOTAL .....	278,925	310,581	356,530
MATHEMATICS .....	117,726	130,862	149,252
COMPUTER SCIENCES .....	121,520	140,743	164,545
MATHEMATICS & COMPUTER SCIENCES, NEC .....	39,679	38,976	42,733
ENGINEERING, TOTAL .....	3,071,454	3,136,878	3,172,285
AERONAUTICAL .....	709,577	658,501	684,965
ASTRONAUTICAL .....	303,936	314,519	336,500
CHEMICAL .....	147,624	149,779	143,837
CIVIL .....	159,112	163,467	136,148
ELECTRICAL .....	556,674	570,162	624,376
MECHANICAL .....	204,646	198,601	228,946
METALLURGY & MATERIALS .....	255,972	293,821	314,065
ENGINEERING, NEC .....	733,913	788,028	703,448
SOCIAL SCIENCES, TOTAL .....	497,427	405,754	397,778
ANTHROPOLOGY .....	14,537	15,347	14,647
ECONOMICS .....	206,722	167,845	148,269
POLITICAL SCIENCE .....	10,767	9,059	8,432
SOCIOLOGY .....	64,990	50,483	52,331
SOCIAL SCIENCES, NEC .....	200,411	163,020	174,099
OTHER SCIENCES, NEC .....	378,822	331,134	401,291

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-18. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON- MENTAL SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES	ENGI- NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES .....	12,212,780	4,435,640	208,898	2,220,534	1,121,080	278,925	3,071,454	497,427	378,822
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	740,984	509,424	-	58,716	15,197	18,702	50,709	88,236	-
AGRICULTURAL COOPERATIVE SERVICE ...	1,739	-	-	-	-	-	-	1,739	-
AGRICULTURAL RESEARCH SERVICE .....	367,922	286,321	-	43,930	2,628	2,835	29,980	2,228	-
AGRICULTURAL MARKETING SERVICE .....	907	907	-	-	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE .....	199,383	142,008	-	9,170	1,148	-	6,286	40,771	-
ECONOMIC RESEARCH SERVICE .....	39,343	-	-	-	-	6,057	-	33,286	-
FOREST SERVICE .....	119,859	75,852	-	5,616	11,421	2,310	14,443	10,212	-
OFF OF INTERNAT'L COOPERATION & DEV .....	3,561	3,561	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION .....	770	770	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	7,500	-	-	-	-	7,500	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	1,662,980	203,484	303	913,499	186,302	26,207	298,701	8,237	26,247
BUREAU OF THE CENSUS .....	3,016	-	303	-	-	2,004	-	648	61
ECONOMIC DEVELOPMENT ADMINISTRATION ENERGY RESEARCH AND TECHNOLOGY ADMIN .....	1,413,605	147,500	-	870,387	82,648	14,721	270,199	3,950	24,200
NATIONAL BUREAU OF STANDARDS .....	66,206	-	-	36,985	472	7,399	19,745	1,605	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	168,496	55,831	-	6,127	103,182	943	2,193	220	-
NAT'L TELECOMM & INFORMATION ADMIN .....	9,857	153	-	-	-	1,140	6,564	14	1,986
DEPARTMENT OF DEFENSE, TOTAL .....	2,600,900	172,763	71,311	530,076	188,623	147,480	1,324,129	4,726	161,792
DEPARTMENT OF THE ARMY .....	536,455	94,345	26,721	108,049	21,224	15,160	265,972	914	4,070
DEPARTMENT OF THE NAVY .....	698,000	24,173	-	15,384	178,211	78,436	356,377	2,474	-
DEPARTMENT OF THE AIR FORCE .....	617,300	41,688	24,226	82,067	43,214	37,082	388,348	-	675
DEFENSE AGENCIES .....	749,145	12,557	4,980	161,749	45,749	52,293	313,432	1,300	157,047
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	3,492,241	2,949,142	110,163	78,306	-	9,850	48,791	166,904	129,085
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	237,684	130,095	71,825	654	-	-	84	27,400	7,626
CENTERS FOR DISEASE CONTROL .....	74,822	74,822	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION .....	71,400	71,400	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN .....	38,623	-	-	-	-	-	-	38,623	-
HEALTH RESOURCES ADMINISTRATION .....	5,038	-	-	-	-	-	-	-	5,038
HEALTH SERVICES ADMINISTRATION .....	10,236	9,806	-	-	-	-	-	-	430
HUMAN DEVELOPMENT SERVICES .....	39,897	13,229	1,763	-	-	-	5,065	19,840	-
NATIONAL INSTITUTES OF HEALTH .....	2,948,309	2,649,790	36,575	77,652	-	9,409	43,642	15,250	115,991
OFFICE OF ASST'Y SECY FOR HEALTH ...	28,754	-	-	-	-	441	-	28,313	-
OFFICE OF THE SECRETARY .....	19,500	-	-	-	-	-	-	19,500	-
SOCIAL SECURITY ADMINISTRATION .....	17,978	-	-	-	-	-	-	17,978	-
DEPT OF HOUSING & URBAN DEVELOPMENT ..	16,690	-	-	-	-	-	1,829	14,861	-
DEPARTMENT OF THE INTERIOR, TOTAL ....	369,837	93,416	-	17,354	178,921	7,040	68,505	4,591	10
BONNEVILLE POWER ADMINISTRATION ....	6,491	2,262	-	-	-	-	4,229	-	-
BUREAU OF LAND MANAGEMENT .....	1,458	1,248	-	-	135	-	-	75	-
BUREAU OF MINES .....	68,000	-	-	6,100	10,550	3,900	47,450	-	-
BUREAU OF RECLAMATION .....	13,387	319	-	-	9,065	-	3,868	135	-
GEOLOGICAL SURVEY .....	169,277	-	-	8,000	151,927	2,400	6,950	-	-
NATIONAL PARK SERVICE .....	10,351	6,592	-	241	1,982	3	43	1,480	10
OFFICE OF THE SECRETARY .....	1,514	-	-	-	1,193	107	-	214	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	5,794	1,200	-	603	989	-	2,215	787	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	15,790	4,020	-	2,410	3,080	630	3,750	1,900	-
US FISH & WILDLIFE SERVICE .....	77,775	77,775	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	19,503	-	3,400	-	-	100	370	15,633	-
DRUG ENFORCEMENT ADMINISTRATION ....	400	-	-	-	-	100	300	-	-
FEDERAL PRISON SYSTEM .....	1,657	-	350	-	-	-	-	1,307	-
IMMIGRATION & NATURALIZATION SVC ...	70	-	-	-	-	-	70	-	-
OFFICE OF THE ATTORNEY GENERAL .....	700	-	-	-	-	-	-	700	-
OFF OF JUSTICE ASSIST, RSCH, & STAT ..	16,676	-	3,050	-	-	-	-	13,626	-
DEPARTMENT OF LABOR, TOTAL .....	58,197	-	-	-	-	-	-	58,197	-
BUREAU OF LABOR STATISTICS .....	251	-	-	-	-	-	-	251	-
EMPLOYMENT STANDARDS ADMINISTRATION ..	3,200	-	-	-	-	-	-	3,200	-
EMPLOYMENT & TRAINING ADMIN .....	48,794	-	-	-	-	-	-	48,794	-
LABOR-MANAGEMENT SERVICES ADMIN .....	1,752	-	-	-	-	-	-	1,752	-
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	3,000	-	-	-	-	-	-	3,000	-
OFFICE OF THE SECRETARY .....	1,100	-	-	-	-	-	-	1,100	-
PENSION BENEFIT GUARANTEE CORPORATION .....	100	-	-	-	-	-	-	100	-
DEPARTMENT OF STATE, TOTAL .....	1,606	-	-	-	220	-	-	1,386	-
DEPARTMENTAL FUNDS .....	1,606	-	-	-	220	-	-	1,386	-

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TABLE C-18: FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE. FISCAL YEAR 1981  
(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
DEPARTMENT OF TRANSPORTATION, TOTAL ..	88,589	5,174	-	148	398	1,193	57,132	15,096	9,448
COAST GUARD .....	14,963	-	-	-	260	-	5,383	-	9,320
FEDERAL AVIATION ADMINISTRATION .....	8,200	-	-	-	-	-	8,200	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	5,100	-	-	148	138	60	4,626	-	128
FEDERAL RAILROAD ADMINISTRATION .....	6,200	-	-	-	-	23	6,168	-	9
MARITIME ADMINISTRATION .....	9,526	-	-	-	-	355	8,771	400	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	29,400	5,174	-	-	-	-	11,848	12,378	-
OFFICE OF THE SECRETARY .....	700	-	-	-	-	-	300	400	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	5,200	-	-	-	-	755	2,536	1,909	-
URBAN MASS TRANSPORTATION ADMIN .....	9,300	-	-	-	-	-	9,300	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	5,219	-	-	1,011	-	930	-	2,331	947
BUREAU OF ALCOHOL, TOBACCO, & FIREARMS .....	100	-	-	50	-	-	-	-	50
BUREAU OF ENGRAVING AND PRINTING .....	907	-	-	907	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	4,158	-	-	-	-	930	-	2,331	897
UNITED STATES CUSTOMS SERVICE .....	54	-	-	54	-	-	-	-	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	2,211	-	-	-	-	-	-	2,211	-
APPALACHIAN REGIONAL COMMISSION .....	280	-	-	-	-	-	-	280	-
COMMUNITY SERVICES ADMINISTRATION .....	1,927	-	-	-	-	-	-	1,927	-
CONSUMER PRODUCT SAFETY COMMISSION .....	210	60	-	-	-	-	150	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	218,300	65,596	-	69,328	6,147	-	77,229	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	1,815	-	-	-	-	-	1,259	484	72
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	9,088	635	135	3,669	30	436	2,914	704	565
FEDERAL HOME LOAN BANK BOARD .....	1,036	-	-	-	-	-	-	1,036	-
FEDERAL TRADE COMMISSION .....	1,100	-	-	-	-	-	-	1,100	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	53,788	-	-	-	-	-	-	44,700	9,088
GENERAL SERVICES ADMINISTRATION .....	390	-	-	-	-	72	318	-	-
INTERNATIONAL COMMUNICATION AGENCY .....	1,116	-	-	-	-	-	125	991	-
INTERNAT'L DEV COOPERATION AGENCY .....	86,400	74,869	-	-	51	931	6,947	3,100	502
AGENCY FOR INTERNAT'L DEVELOPMENT ..	86,400	74,869	-	-	51	931	6,947	3,100	502
INTERNATIONAL TRADE COMMISSION .....	3,397	-	-	-	-	-	-	3,397	-
LIBRARY OF CONGRESS .....	900	-	-	-	-	-	-	-	900
NATIONAL AERONAUTICS & SPACE ADMIN .....	1,407,158	56,389	1,998	280,145	280,624	3,959	780,708	199	3,136
NATIONAL SCIENCE FOUNDATION .....	955,464	165,992	11,332	257,038	261,102	61,605	121,024	40,341	37,030
NUCLEAR REGULATORY COMMISSION .....	219,667	-	-	-	-	-	219,667	-	-
OFFICE OF PERSONNEL MANAGEMENT .....	3,387	-	3,143	-	-	-	-	244	-
SMITHSONIAN INSTITUTION .....	44,861	17,500	-	8,144	3,147	-	-	16,070	-
TENNESSEE VALLEY AUTHORITY .....	14,200	3,500	-	3,100	-	-	7,600	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	1,639	-	-	-	318	420	456	445	-
VETERANS ADMINISTRATION .....	127,700	117,696	7,113	-	-	-	2,891	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.  
2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION





TABLE C-19. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON- MENTAL SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES	ENGI- NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES .....	12,594,982	4,593,040	214,763	2,510,073	1,092,759	310,581	3,136,878	405,754	331,134
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	775,339	540,201	-	63,239	14,012	16,816	50,387	90,684	-
AGRICULTURAL COOPERATIVE SERVICE ...	1,808	-	-	-	-	-	-	1,808	-
AGRICULTURAL RESEARCH SERVICE .....	385,755	301,969	-	47,892	2,712	1,399	30,543	1,240	-
AGRICULTURAL MARKETING SERVICE .....	1,177	1,177	-	-	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE .....	221,216	157,112	-	10,244	1,283	-	7,024	45,553	-
ECONOMIC RESEARCH SERVICE .....	39,360	-	-	-	-	6,058	-	33,302	-
FOREST SERVICE .....	105,977	67,197	-	5,103	10,017	2,059	12,820	8,781	-
HUMAN NUTRITION INFORMATION SERVICE .....	8,500	8,200	-	-	-	300	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV .....	3,684	3,684	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION .....	862	862	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	7,000	-	-	-	-	7,000	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	1,762,201	198,434	275	984,049	168,425	27,914	354,176	6,934	21,994
BUREAU OF THE CENSUS .....	2,837	-	275	-	-	1,872	-	630	60
ECONOMIC DEVELOPMENT ADMINISTRATION .....	1,900	-	-	-	-	-	-	1,900	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN .....	1,542,272	157,650	-	939,527	84,423	14,600	323,272	3,000	19,800
NATIONAL BUREAU OF STANDARDS .....	71,871	-	-	38,540	720	8,637	23,193	781	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	133,163	40,650	-	5,982	83,282	1,045	1,611	593	-
NAT'L TELECOMM & INFORMATION ADMIN .....	10,091	134	-	-	-	1,760	6,100	30	2,067
OFFICE OF THE SECRETARY .....	67	-	-	-	-	-	-	67	-
DEPARTMENT OF DEFENSE, TOTAL .....	2,883,120	203,119	77,379	687,582	224,446	175,319	1,390,542	4,978	137,555
DEPARTMENT OF THE ARMY .....	583,523	116,072	29,621	127,428	21,679	15,489	267,841	1,009	4,384
DEPARTMENT OF THE NAVY .....	770,600	26,027	18,591	220,606	88,326	40,464	374,696	1,890	-
DEPARTMENT OF THE AIR FORCE .....	592,400	44,541	24,941	84,534	43,872	37,765	355,697	-	1,050
DEFENSE AGENCIES .....	936,597	16,479	4,226	255,014	52,769	81,601	392,308	2,079	132,121
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	3,554,195	3,037,445	114,716	81,534	-	10,275	50,272	129,286	130,667
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	250,708	140,351	74,938	1,161	-	-	179	25,689	8,390
CENTERS FOR DISEASE CONTROL .....	70,529	70,529	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION .....	72,700	72,700	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN .....	29,500	-	-	-	-	-	-	29,500	-
HEALTH RESOURCES ADMINISTRATION .....	2,488	-	-	-	-	-	-	-	2,488
HEALTH SERVICES ADMINISTRATION .....	1,920	1,300	-	-	-	-	-	620	-
HUMAN DEVELOPMENT SERVICES .....	35,095	13,479	1,932	-	-	-	-	14,735	-
NATIONAL INSTITUTES OF HEALTH .....	3,047,100	2,739,086	37,846	80,373	-	9,714	45,144	15,768	119,169
OFFICE OF ASST'T SECY FOR HEALTH .....	14,188	-	-	-	-	561	-	13,627	-
OFFICE OF THE SECRETARY .....	13,440	-	-	-	-	-	-	13,440	-
SOCIAL SECURITY ADMINISTRATION .....	16,527	-	-	-	-	-	-	16,527	-
DEPT OF HOUSING & URBAN DEVELOPMENT .....	13,001	-	-	-	-	-	367	12,634	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	349,828	94,044	-	14,077	163,978	6,263	68,997	2,459	10
BONNEVILLE POWER ADMINISTRATION .....	10,959	4,000	-	-	-	-	6,959	-	-
BUREAU OF LAND MANAGEMENT .....	1,580	1,280	-	-	300	-	-	-	-
BUREAU OF MINES .....	69,844	-	-	6,600	11,244	3,400	48,600	-	-
BUREAU OF RECLAMATION .....	9,991	380	-	-	5,638	-	3,908	65	-
GEOLOGICAL SURVEY .....	157,292	-	-	6,765	141,685	2,425	6,417	-	-
NATIONAL PARK SERVICE .....	11,093	6,469	-	62	3,082	3	63	1,404	10
OFFICE OF THE SECRETARY .....	594	-	-	-	189	135	-	270	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	1,000	300	-	80	180	80	300	60	-
OFFICE OF WATER RESCH & TECHNOLOGY .....	7,320	1,460	-	570	1,660	220	2,750	660	-
US FISH & WILDLIFE SERVICE .....	80,155	80,155	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	19,164	-	2,585	200	-	-	1,176	15,203	-
DRUG ENFORCEMENT ADMINISTRATION .....	1,000	-	-	200	-	-	800	-	-
FEDERAL PRISON SYSTEM .....	1,657	-	350	-	-	-	-	1,307	-
IMMIGRATION & NATURALIZATION SVC .....	376	-	-	-	-	-	376	-	-
OFFICE OF THE ATTORNEY GENERAL .....	804	-	-	-	-	-	-	804	-
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	15,327	-	2,235	-	-	-	-	13,092	-
DEPARTMENT OF LABOR, TOTAL .....	29,251	-	-	-	-	-	-	29,251	-
BUREAU OF LABOR STATISTICS .....	291	-	-	-	-	-	-	291	-
EMPLOYMENT STANDARDS ADMINISTRATION .....	2,000	-	-	-	-	-	-	2,000	-
EMPLOYMENT & TRAINING ADMIN .....	20,359	-	-	-	-	-	-	20,359	-
LABOR-MANAGEMENT SERVICES ADMIN .....	606	-	-	-	-	-	-	606	-
OCCUPATIONAL SAFETY & HEALTH ADMIN .....	4,900	-	-	-	-	-	-	4,900	-
OFFICE OF THE SECRETARY .....	900	-	-	-	-	-	-	900	-
PENSION BENEFIT GUARANTEE CORPORATION .....	195	-	-	-	-	-	-	195	-
DEPARTMENT OF STATE, TOTAL .....	1,999	-	-	-	140	-	-	1,859	-
DEPARTMENTAL FUNDS .....	1,999	-	-	-	140	-	-	1,859	-

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TABLE C-19. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY- CHOLOGY	PHYSICAL SCIENCES	ENVIRON- MENTAL SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES	ENGI- NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
DEPARTMENT OF TRANSPORTATION, TOTAL ..	69,134	5,214	-	105	110	1,241	45,720	11,644	5,100
COAST GUARD .....	10,125	1,328	-	-	-	-	3,707	-	5,090
FEDERAL AVIATION ADMINISTRATION .....	3,100	-	-	-	-	-	3,100	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	5,000	-	-	105	110	155	4,620	-	10
FEDERAL RAILROAD ADMINISTRATION .....	6,100	-	-	-	-	23	6,069	-	-
MARITIME ADMINISTRATION .....	6,502	-	-	-	-	400	5,902	200	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	22,200	3,886	-	-	-	-	8,953	9,361	-
OFFICE OF THE SECRETARY .....	600	-	-	-	-	-	200	400	-
RESEARCH & SPECIAL PROGRAMS ADMIN .....	4,500	-	-	-	-	663	2,162	1,675	-
URBAN MASS TRANSPORTATION ADMIN .....	11,007	-	-	-	-	-	11,007	-	-
DEPARTMENT OF THE TREASURY, TOTAL ....	6,482	-	-	1,393	-	2,780	-	2,309	-
BUREAU OF ENGRAVING AND PRINTING ...	1,393	-	-	1,393	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	5,089	-	-	-	-	2,780	-	2,309	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	1,884	-	-	-	-	-	-	1,884	-
APPALACHIAN REGIONAL COMMISSION .....	300	-	-	-	-	-	-	300	-
ENVIRONMENTAL PROTECTION AGENCY .....	216,600	70,712	-	66,828	7,569	-	71,491	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	953	-	-	-	-	-	524	332	97
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	9,332	682	158	2,888	79	553	3,473	789	710
FEDERAL HOME LOAN BANK BOARD .....	1,210	-	-	-	-	-	-	1,210	-
FEDERAL TRADE COMMISSION .....	1,159	-	-	-	-	-	-	1,159	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	41,488	-	-	-	-	-	-	36,201	5,287
GENERAL SERVICES ADMINISTRATION .....	553	-	-	-	-	400	153	-	-
INTERNATIONAL COMMUNICATION AGENCY ...	1,216	-	-	-	-	-	499	717	-
INTERNAT'L DEV COOPERATION AGENCY .....	101,433	88,542	-	-	200	350	9,441	2,900	-
AGENCY FOR INTERNAT'L DEVELOPMENT ..	101,433	88,542	-	-	200	350	9,441	2,900	-
INTERNATIONAL TRADE COMMISSION .....	3,639	-	-	-	-	-	-	3,639	-
LIBRARY OF CONGRESS .....	700	-	-	-	-	-	-	-	700
NATIONAL AERONAUTICS & SPACE ADMIN ...	1,384,813	50,366	1,945	325,390	267,841	4,211	731,760	200	3,100
NATIONAL SCIENCE FOUNDATION .....	959,594	171,099	8,184	271,085	260,297	64,311	127,048	31,656	25,914
NUCLEAR REGULATORY COMMISSION .....	215,763	-	-	-	-	-	215,763	-	-
OFFICE OF PERSONNEL MANAGEMENT .....	2,807	-	2,807	-	-	-	-	-	-
SMITHSONIAN INSTITUTION .....	47,554	18,525	-	8,303	3,354	-	-	17,372	-
TENNESSEE VALLEY AUTHORITY .....	19,100	3,500	-	3,400	-	-	12,200	-	-
US ARMS CONTROL & DISARMAMENT AGENCY .	570	-	-	-	-	108	160	154	-
VETERANS ADMINISTRATION .....	120,600	111,157	6,714	-	-	-	2,729	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-20. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY- CHOLGY	PHYSICAL SCIENCES	ENVIRDN- MENTAL SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES	ENGI- NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES .....	13,264,864	4,735,000	257,986	2,846,294	1,097,700	356,530	3,172,285	397,778	401,291
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	808,180	567,573	-	68,023	13,178	17,951	52,011	89,444	-
AGRICULTURAL COOPERATIVE SERVICE ...	1,436	-	-	-	-	-	-	1,436	-
AGRICULTURAL RESEARCH SERVICE .....	428,249	335,233	-	53,409	3,007	1,547	33,690	1,363	-
COOPERATIVE STATE RESEARCH SERVICE ..	223,303	160,599	-	10,021	1,255	-	6,870	44,558	-
ECONOMIC RESEARCH SERVICE .....	40,584	-	-	-	-	6,261	-	34,323	-
FOREST SERVICE .....	94,560	59,993	-	4,593	8,916	1,843	11,451	7,764	-
HUMAN NUTRITION INFORMATION SERVICE ..	7,600	7,300	-	-	-	300	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV .....	3,604	3,604	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION .....	844	844	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	8,000	-	-	-	-	8,000	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	1,685,220	163,204	297	1,117,386	133,478	28,818	226,246	3,566	12,225
BUREAU OF THE CENSUS .....	2,993	-	297	-	-	1,986	-	648	62
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	1,499,143	130,524	-	1,071,462	72,095	15,950	197,012	1,700	10,400
NATIONAL BUREAU OF STANDARDS .....	72,061	-	-	39,497	377	8,470	22,765	802	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	103,140	32,680	-	6,277	61,006	1,096	1,681	400	-
NAT'L TELECOMM & INFORMATION ADMIN ..	7,883	-	-	-	-	1,316	4,788	16	1,763
DEPARTMENT OF DEFENSE, TOTAL .....	3,326,061	228,751	105,333	807,695	230,291	213,974	1,526,051	6,497	207,469
DEPARTMENT OF THE ARMY .....	708,631	135,033	48,643	139,310	23,529	19,089	328,045	1,047	13,935
DEPARTMENT OF THE NAVY .....	851,300	24,798	21,509	251,237	90,810	47,034	413,545	2,367	-
DEPARTMENT OF THE AIR FORCE .....	706,200	52,140	32,187	97,845	51,405	45,837	425,635	-	1,151
DEFENSE AGENCIES .....	1,059,930	16,780	2,994	319,303	64,547	102,014	358,826	3,083	192,383
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	3,703,265	3,147,010	125,582	85,615	-	10,820	51,277	147,325	135,636
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	286,980	158,509	84,788	2,648	-	100	83	28,966	11,886
CENTERS FOR DISEASE CONTRL .....	72,019	72,019	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION .....	74,700	74,700	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN .....	30,000	-	-	-	-	-	-	30,000	-
HEALTH SERVICES ADMINISTRATION .....	1,865	1,300	-	-	-	-	-	-	565
HUMAN DEVELOPMENT SERVICES .....	42,357	12,321	1,725	-	-	-	4,588	23,723	-
NATIONAL INSTITUTES OF HEALTH .....	3,146,300	2,828,161	39,069	82,967	-	10,033	46,606	16,279	123,185
OFFICE OF ASS'T SECY FOR HEALTH .....	14,551	-	-	-	-	687	-	13,864	-
OFFICE OF THE SECRETARY .....	14,718	-	-	-	-	-	-	14,718	-
SOCIAL SECURITY ADMINISTRATION .....	19,775	-	-	-	-	-	-	19,775	-
DEPT OF HOUSING & URBAN DEVELOPMENT ..	12,426	-	-	-	-	-	510	11,916	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	318,663	90,862	-	13,673	147,262	5,528	59,696	1,632	10
BONNEVILLE POWER ADMINISTRATION .....	11,465	5,100	-	-	-	-	6,365	-	-
BUREAU OF LAND MANAGEMENT .....	2,224	1,974	-	-	250	-	-	-	-
BUREAU OF MINES .....	56,900	-	-	6,600	4,900	2,900	42,500	-	-
BUREAU OF RECLAMATION .....	9,322	323	-	-	4,473	-	4,440	86	-
GEOLOGICAL SURVEY .....	149,481	-	-	6,940	134,242	2,440	5,859	-	-
NATIONAL PARK SERVICE .....	10,806	6,425	-	63	3,022	3	57	1,226	10
OFFICE OF THE SECRETARY .....	550	-	-	-	175	125	-	250	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	1,500	625	-	70	200	60	475	70	-
US FISH & WILDLIFE SERVICE .....	76,415	76,415	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	15,329	-	3,350	200	-	-	600	11,179	-
DRUG ENFORCEMENT ADMINISTRATION .....	600	-	-	200	-	-	400	-	-
FEDERAL PRISON SYSTEM .....	1,657	-	350	-	-	-	-	1,307	-
IMMIGRATION & NATURALIZATION SVC .....	200	-	-	-	-	-	200	-	-
OFFICE OF THE ATTORNEY GENERAL .....	709	-	-	-	-	-	-	709	-
OFF OF JUSTICE ASSIST, RSCH. & STAT ..	12,163	-	3,000	-	-	-	-	9,163	-
DEPARTMENT OF LABOR, TOTAL .....	9,441	-	-	-	-	-	-	9,441	-
BUREAU OF LABOR STATISTICS .....	315	-	-	-	-	-	-	315	-
EMPLOYMENT STANDARDS ADMINISTRATION ..	1,900	-	-	-	-	-	-	1,900	-
LABOR-MANAGEMENT SERVICES ADMIN .....	626	-	-	-	-	-	-	626	-
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	5,700	-	-	-	-	-	-	5,700	-
OFFICE OF THE SECRETARY .....	900	-	-	-	-	-	-	900	-
DEPARTMENT OF STATE, TOTAL .....	1,755	-	-	-	140	-	-	1,615	-
DEPARTMENTAL FUNDS .....	1,755	-	-	-	140	-	-	1,615	-

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TABLE C-20. FEDERAL OBLIGATIONS FOR RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSYCHOLOGY	PHYSICAL SCIENCES	ENVIRONMENTAL SCIENCES	MATHEMATICS AND COMPUTER SCIENCES	ENGINEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
DEPARTMENT OF TRANSPORTATION, TOTAL ...	73,335	5,102	-	94	135	1,144	51,845	12,039	2,976
COAST GUARD .....	8,175	1,146	-	-	-	-	4,089	-	2,940
FEDERAL AVIATION ADMINISTRATION .....	8,000	-	-	-	-	-	8,000	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	5,200	-	-	94	135	-	4,935	-	36
FEDERAL RAILROAD ADMINISTRATION .....	3,400	-	-	-	-	12	3,383	5	-
MARITIME ADMINISTRATION .....	12,760	-	-	-	-	500	11,800	460	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	22,600	3,956	-	-	-	-	9,117	9,527	-
OFFICE OF THE SECRETARY .....	600	-	-	-	-	-	150	450	-
RESEARCH & SPECIAL PROGRAMS ADMIN .....	4,100	-	-	-	-	632	1,871	1,597	-
URBAN MASS TRANSPORTATION ADMIN .....	8,500	-	-	-	-	-	8,500	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	9,720	-	-	1,781	-	4,309	-	3,630	-
BUREAU OF ENGRAVING AND PRINTING .....	1,781	-	-	1,781	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	7,939	-	-	-	-	4,309	-	3,630	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	1,925	-	-	-	-	-	-	1,925	-
CONSUMER PRODUCT SAFETY COMMISSION .....	181	181	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	159,800	64,792	-	36,884	3,521	-	54,603	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	654	-	-	-	-	-	429	154	71
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	18,074	1,446	542	4,609	181	904	5,873	2,531	1,988
FEDERAL HOME LOAN BANK BOARD .....	1,497	-	-	-	-	-	-	1,497	-
FEDERAL TRADE COMMISSION .....	1,300	-	-	-	-	-	-	1,300	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	44,594	-	-	-	-	-	-	35,547	9,047
GENERAL SERVICES ADMINISTRATION .....	1,480	-	-	-	-	970	510	-	-
INTERNATIONAL COMMUNICATION AGENCY .....	150	-	-	-	-	-	150	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	91,544	81,999	-	-	160	530	8,105	750	-
AGENCY FOR INTERNAT'L DEVELOPMENT ..	91,544	81,999	-	-	160	530	8,105	750	-
INTERNATIONAL TRADE COMMISSION .....	3,994	-	-	-	-	-	-	3,994	-
LIBRARY OF CONGRESS .....	700	-	-	-	-	-	-	-	700
NATIONAL AERONAUTICS & SPACE ADMIN ...	1,531,732	61,735	2,329	413,407	279,172	5,230	766,559	200	3,100
NATIONAL SCIENCE FOUNDATION .....	1,025,113	183,484	8,621	284,574	286,422	66,147	135,413	32,383	28,069
NUCLEAR REGULATORY COMMISSION .....	213,525	-	-	-	-	-	213,525	-	-
OFFICE OF PERSONNEL MANAGEMENT .....	2,223	-	2,223	-	-	-	-	-	-
SMITHSONIAN INSTITUTION .....	51,031	19,830	-	8,653	3,595	-	-	18,953	-
TENNESSEE VALLEY AUTHORITY .....	23,400	4,600	-	3,700	-	-	15,100	322	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	952	-	-	-	165	205	3,460	260	-
VETERANS ADMINISTRATION .....	127,600	114,431	9,709	-	-	-	-	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-21. FEDERAL OBLIGATIONS FOR RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES,  
BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL ALL AGENCIES .....	208,898	57,511	93,488	57,899	4,435,640	1,996,635	220,316	494,817	1,609,930	113,942
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	-	-	-	-	509,424	66,055	60,032	371,495	11,842	-
AGRICULTURAL RESEARCH SERVICE .....	-	-	-	-	286,321	22,782	11,679	248,316	3,544	-
AGRICULTURAL MARKETING SERVICE .....	-	-	-	-	907	-	-	907	-	-
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	-	-	142,008	15,769	-	117,941	8,298	-
FOREST SERVICE .....	-	-	-	-	75,857	27,504	48,353	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV .....	-	-	-	-	3,561	-	-	3,561	-	-
OFFICE OF TRANSPORTATION .....	-	-	-	-	770	-	-	770	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	303	-	303	-	203,484	102,079	531	55,300	20,405	25,169
BUREAU OF THE CENSUS .....	303	-	303	-	-	-	-	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	-	-	-	-	147,500	101,926	-	-	20,405	25,169
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	-	-	-	-	55,831	-	531	55,300	-	-
NAT'L TELECOMM & INFORMATION ADMIN .....	-	-	-	-	153	153	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	71,311	280	58,778	12,253	172,763	66,526	7,739	248	98,152	98
DEPARTMENT OF THE ARMY .....	26,721	102	24,414	2,205	94,345	5,050	2,304	248	86,702	41
DEPARTMENT OF THE NAVY .....	15,384	-	6,255	9,129	24,173	12,589	2,311	-	9,443	-
DEPARTMENT OF THE AIR FORCE .....	24,226	-	24,226	-	41,688	37,683	3,294	-	711	-
DEFENSE AGENCIES .....	4,980	178	3,883	919	12,557	11,204	-	-	1,296	57
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	110,163	41,986	23,417	44,760	2,949,142	1,539,070	118	-	1,324,290	85,664
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	71,825	41,986	23,417	6,422	130,095	82,400	118	-	37,896	9,681
CENTERS FOR DISEASE CONTROL .....	-	-	-	-	74,822	-	-	-	74,822	-
FOOD & DRUG ADMINISTRATION .....	-	-	-	-	71,400	62,832	-	-	8,568	-
HEALTH SERVICES ADMINISTRATION .....	-	-	-	-	9,806	-	-	-	9,806	-
HUMAN DEVELOPMENT SERVICES .....	1,763	-	-	1,763	13,229	-	-	-	11,706	1,523
NATIONAL INSTITUTES OF HEALTH .....	36,575	-	-	36,575	2,649,790	1,393,838	-	-	1,181,492	74,460
DEPARTMENT OF THE INTERIOR, TOTAL .....	-	-	-	-	93,416	59,305	28,221	5,890	-	-
BONNEVILLE POWER ADMINISTRATION .....	-	-	-	-	2,262	-	-	2,262	-	-
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	1,248	120	200	928	-	-
BUREAU OF RECLAMATION .....	-	-	-	-	319	319	-	-	-	-
NATIONAL PARK SERVICE .....	-	-	-	-	6,592	1,758	4,834	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	-	-	-	-	1,200	-	760	440	-	-
OFFICE OF WATER RSCH & TECHNOLOGY .....	-	-	-	-	4,020	140	1,620	2,260	-	-
US FISH & WILDLIFE SERVICE .....	-	-	-	-	77,775	56,968	20,807	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	3,400	500	2,900	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM .....	350	-	350	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	3,050	500	2,550	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL .....	-	-	-	-	5,174	5,174	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	-	-	-	-	5,174	5,174	-	-	-	-
OTHER AGENCIES										
CONSUMER PRODUCT SAFETY COMMISSION .....	-	-	-	-	60	60	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	-	-	-	-	65,596	-	62,557	-	3,039	-
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	135	-	135	-	635	234	229	-	172	-
INTERNAT'L DEV COOPERATION AGENCY .....	-	-	-	-	74,869	2,075	740	46,663	25,391	-
AGENCY FOR INTERNAT'L DEVELOPMENT .....	-	-	-	-	74,869	2,075	740	46,663	25,391	-
NATIONAL AERONAUTICS & SPACE ADMIN .....	1,998	128	1,044	826	56,389	12,831	1,697	15,214	23,943	2,704
NATIONAL SCIENCE FOUNDATION .....	11,332	7,517	3,755	60	165,992	119,162	46,516	7	-	307
OFFICE OF PERSONNEL MANAGEMENT .....	3,143	-	3,143	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION .....	-	-	-	-	17,500	6,464	11,036	-	-	-
TENNESSEE VALLEY AUTHORITY .....	-	-	-	-	3,500	2,600	900	-	-	-
VETERANS ADMINISTRATION .....	7,113	7,100	13	-	117,696	15,000	-	-	102,696	-

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-22. FEDERAL OBLIGATIONS FOR RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				TOTAL	LIFE SCIENCES				
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC		BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES .....	214,763	58,467	96,740	59,556	4,593,040	2,070,131	224,312	523,713	1,656,894	117,490
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	-	-	-	-	540,201	62,309	54,273	410,501	13,118	-
AGRICULTURAL RESEARCH SERVICE .....	-	-	-	-	301,969	19,950	12,212	265,961	3,846	-
AGRICULTURAL MARKETING SERVICE .....	-	-	-	-	1,177	-	-	1,177	-	-
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	-	-	157,112	17,223	-	130,617	9,272	-
FOREST SERVICE .....	-	-	-	-	67,197	25,136	42,061	-	-	-
HUMAN NUTRITION INFORMATION SERVICE .....	-	-	-	-	8,200	-	-	8,200	-	-
OFF OF INTERNAT'L COOPERATION & DEV .....	-	-	-	-	3,684	-	-	3,684	-	-
OFFICE OF TRANSPORTATION .....	-	-	-	-	862	-	-	862	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	275	-	275	-	198,434	110,102	1,052	39,494	21,476	26,310
BUREAU OF THE CENSUS .....	275	-	275	-	-	-	-	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	-	-	-	-	157,650	109,968	-	-	21,372	26,310
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	-	-	-	-	40,650	-	1,052	39,494	104	-
NAT'L TELECOMM & INFORMATION ADMIN .....	-	-	-	-	134	134	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	77,379	155	64,625	12,599	203,119	77,134	8,074	238	117,568	105
DEPARTMENT OF THE ARMY .....	29,621	155	27,981	1,485	116,072	8,427	2,504	238	104,863	40
DEPARTMENT OF THE NAVY .....	18,591	-	7,815	10,776	26,027	13,782	1,974	-	10,271	-
DEPARTMENT OF THE AIR FORCE .....	24,941	-	24,941	-	44,541	40,209	3,596	-	736	-
DEFENSE AGENCIES .....	4,226	-	3,868	338	16,479	14,716	-	-	1,698	65
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	114,716	44,475	23,909	46,332	3,037,445	1,597,007	137	-	1,353,294	87,007
ALCOHOL, DRUG ABUSE, & MENTAL HLTH ADMIN .....	74,938	44,475	23,909	6,554	140,351	90,772	137	-	40,975	8,467
CENTERS FOR DISEASE CONTROL .....	-	-	-	-	70,529	-	-	-	70,529	-
FOOD & DRUG ADMINISTRATION .....	-	-	-	-	72,700	63,976	-	-	8,724	-
HEALTH SERVICES ADMINISTRATION .....	-	-	-	-	1,300	-	-	-	1,300	-
HUMAN DEVELOPMENT SERVICES .....	1,932	-	-	1,932	13,479	-	-	-	12,007	1,472
NATIONAL INSTITUTES OF HEALTH .....	37,846	-	-	37,846	2,739,086	1,442,259	-	-	1,219,759	77,068
DEPARTMENT OF THE INTERIOR, TOTAL .....	-	-	-	-	94,044	58,438	29,806	5,800	-	-
BONNEVILLE POWER ADMINISTRATION .....	-	-	-	-	4,000	-	-	4,000	-	-
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	1,280	140	200	940	-	-
BUREAU OF RECLAMATION .....	-	-	-	-	380	380	-	-	-	-
NATIONAL PARK SERVICE .....	-	-	-	-	6,469	2,267	4,202	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	-	-	-	-	300	-	-	300	-	-
OFFICE OF WATER RSCH & TECHNOLOGY .....	-	-	-	-	1,460	160	740	560	-	-
US FISH & WILDLIFE SERVICE .....	-	-	-	-	80,155	55,491	24,664	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	2,585	450	2,135	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM .....	350	-	350	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	2,235	450	1,785	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL .....	-	-	-	-	5,214	3,886	-	-	-	1,328
COAST GUARD .....	-	-	-	-	1,328	-	-	-	-	1,328
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	-	-	-	-	3,886	3,886	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	-	-	-	-	70,712	-	68,480	-	2,232	-
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	158	-	158	-	682	129	316	-	237	-
INTERNAT'L DEV COOPERATION AGENCY .....	-	-	-	-	88,542	2,385	264	56,133	29,760	-
AGENCY FOR INTERNAT'L DEVELOPMENT .....	-	-	-	-	88,542	2,385	264	56,133	29,760	-
NATIONAL AERONAUTICS & SPACE ADMIN .....	1,945	125	1,195	625	50,366	12,389	1,589	11,547	22,211	2,630
NATIONAL SCIENCE FOUNDATION .....	8,184	6,560	1,624	-	171,099	122,418	48,571	-	-	110
OFFICE OF PERSONNEL MANAGEMENT .....	2,807	-	2,807	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION .....	-	-	-	-	18,525	7,175	11,350	-	-	-
TENNESSEE VALLEY AUTHORITY .....	-	-	-	-	3,500	2,600	900	-	-	-
VETERANS ADMINISTRATION .....	6,714	6,702	12	-	111,157	14,159	-	-	96,998	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-23. FEDERAL OBLIGATIONS FOR RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES .....	257,986	67,155	117,721	73,110	4,735,000	2,124,376	222,376	545,200	1,727,855	115,193
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	-	-	-	-	567,573	62,048	50,858	441,345	13,322	-
AGRICULTURAL RESEARCH SERVICE .....	-	-	-	-	335,233	22,357	13,526	295,097	4,253	-
COOPERATIVE STATE RESEARCH SERVICE ..	-	-	-	-	160,599	17,030	-	134,500	9,069	-
FOREST SERVICE .....	-	-	-	-	59,993	22,661	37,332	-	-	-
HUMAN NUTRITION INFORMATION SERVICE	-	-	-	-	7,300	-	-	7,300	-	-
OFF OF INTERNAT'L COOPERATION & DEV	-	-	-	-	3,604	-	-	3,604	-	-
OFFICE OF TRANSPORTATION .....	-	-	-	-	844	-	-	844	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	297	-	297	-	163,204	89,033	639	32,041	21,107	20,384
BUREAU OF THE CENSUS .....	297	-	297	-	-	-	-	-	-	-
ENERGY RESEARCH AND TECHNOLOGY	-	-	-	-	-	-	-	-	-	-
ADMIN 1/ .....	-	-	-	-	130,524	89,033	-	-	21,107	20,384
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	-	-	-	-	32,680	-	639	32,041	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	105,333	281	81,202	23,850	228,751	85,459	9,760	249	133,169	114
DEPARTMENT OF THE ARMY .....	48,643	155	37,372	11,116	135,033	10,744	2,684	249	121,315	41
DEPARTMENT OF THE NAVY .....	21,509	-	9,031	12,478	24,798	13,211	2,304	-	9,283	-
DEPARTMENT OF THE AIR FORCE .....	32,187	-	32,187	-	52,140	46,538	4,772	-	830	-
DEFENSE AGENCIES .....	2,994	126	2,612	256	16,780	14,946	-	-	1,741	73
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	125,582	49,161	27,786	48,635	3,147,010	1,657,344	190	-	1,398,153	91,323
ALCOHOL, DRUG ABUSE & MENTAL HLTH	-	-	-	-	-	-	-	-	-	-
ADMIN .....	84,788	49,161	27,786	7,841	158,509	102,725	190	-	45,195	10,399
CENTERS FOR DISEASE CONTROL .....	-	-	-	-	72,019	-	-	-	72,019	-
FOOD & DRUG ADMINISTRATION .....	-	-	-	-	74,700	65,736	-	-	8,964	-
HEALTH SERVICES ADMINISTRATION .....	-	-	-	-	1,300	-	-	-	1,300	-
HUMAN DEVELOPMENT SERVICES .....	1,725	-	-	1,725	12,321	-	-	-	10,952	1,369
NATIONAL INSTITUTES OF HEALTH .....	39,069	-	-	39,069	2,828,161	1,488,883	-	-	1,259,723	79,555
DEPARTMENT OF THE INTERIOR, TOTAL .....	-	-	-	-	90,862	53,142	30,279	7,441	-	-
BONNEVILLE POWER ADMINISTRATION ....	-	-	-	-	5,100	-	-	5,100	-	-
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	1,974	34	84	1,856	-	-
BUREAU OF RECLAMATION .....	-	-	-	-	323	323	-	-	-	-
NATIONAL PARK SERVICE .....	-	-	-	-	6,425	2,036	4,389	-	-	-
OFF OF SURFACE MINING RECLAMATION	-	-	-	-	-	-	-	-	-	-
& ENFORCEMENT .....	-	-	-	-	625	70	70	485	-	-
US FISH & WILDLIFE SERVICE .....	-	-	-	-	76,415	50,679	25,736	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	3,350	1,000	2,350	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM .....	350	-	350	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	3,000	1,000	2,000	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	-	-	-	-	5,102	3,956	-	-	-	1,146
COAST GUARD .....	-	-	-	-	1,146	-	-	-	-	1,146
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	-	-	-	-	3,956	3,956	-	-	-	-
OTHER AGENCIES										
CONSUMER PRODUCT SAFETY COMMISSION ...	-	-	-	-	181	181	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	-	-	-	-	64,792	-	62,291	-	2,501	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	542	-	542	-	1,446	-	904	-	542	-
INTERNAT'L DEV COOPERATION AGENCY .....	-	-	-	-	81,999	2,235	264	51,745	27,755	-
AGENCY FOR INTERNAT'L DEVELOPMENT ..	-	-	-	-	81,999	2,235	264	51,745	27,755	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	2,329	125	1,579	625	61,735	17,017	1,364	12,379	28,875	2,100
NATIONAL SCIENCE FOUNDATION .....	8,621	6,890	1,731	-	183,484	130,676	52,682	-	-	126
OFFICE OF PERSONNEL MANAGEMENT .....	2,223	-	2,223	-	-	-	-	-	-	-
SMITHSONIAN INSTITUTION .....	-	-	-	-	19,830	8,085	11,745	-	-	-
TENNESSEE VALLEY AUTHORITY .....	-	-	-	-	4,600	3,200	1,400	-	-	-
VETERANS ADMINISTRATION .....	9,709	9,698	11	-	114,431	12,000	-	-	102,431	-

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-24. FEDERAL OBLIGATIONS FOR RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRON- OMY	CHEM- ISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATHOS- PHERIC	GEO- LOGICAL	OCEAN- OGRAPHY	ENVIRON- MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	2,220,534	281,027	486,877	1,345,638	106,992	1,121,080	373,432	396,082	261,684	89,882
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	58,716	-	54,485	4,231	-	15,197	5,159	10,038	-	-
AGRICULTURAL RESEARCH SERVICE .....	43,930	-	41,082	2,848	-	2,628	1,946	682	-	-
COOPERATIVE STATE RESEARCH SERVICE .....	9,170	-	9,170	-	-	1,148	1,148	-	-	-
FOREST SERVICE .....	5,616	-	4,233	1,383	-	11,421	2,065	9,356	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	913,499	473	95,509	797,731	19,786	186,302	67,558	39,828	69,191	9,725
ENERGY RESEARCH AND TECHNOLOGY										
ADMIN 1/ .....	870,387	-	83,706	766,895	19,786	82,648	25,044	37,955	10,001	9,648
NATIONAL BUREAU OF STANDARDS .....	36,985	473	10,389	26,123	-	472	240	232	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	6,127	-	1,414	4,713	-	103,182	42,274	1,641	59,190	77
DEPARTMENT OF DEFENSE, TOTAL .....	530,076	14,590	90,693	348,822	75,971	188,623	83,814	34,323	58,332	12,154
DEPARTMENT OF THE ARMY .....	108,049	-	39,074	41,485	27,490	21,224	12,652	7,635	436	501
DEPARTMENT OF THE NAVY .....	178,211	9,782	23,971	128,912	15,546	78,436	11,303	5,283	53,897	7,953
DEPARTMENT OF THE AIR FORCE .....	182,067	4,808	27,197	47,609	2,453	43,214	36,066	6,356	-	792
DEFENSE AGENCIES .....	161,749	-	451	130,816	30,482	45,749	23,793	15,049	3,999	2,908
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	78,306	-	70,070	8,236	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH										
ADMIN .....	654	-	654	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	77,652	-	69,416	8,236	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	17,354	-	12,040	2,407	2,907	178,921	10,195	148,880	12,820	7,026
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	-	135	-	-	-	135
BUREAU OF MINES .....	6,100	-	3,900	-	2,200	10,550	-	5,750	-	4,800
BUREAU OF RECLAMATION .....	-	-	-	-	-	9,065	8,920	-	145	-
GEOLOGICAL SURVEY .....	8,000	-	6,000	2,000	-	151,927	-	139,942	11,985	-
NATIONAL PARK SERVICE .....	241	-	-	137	104	1,982	1,215	75	290	402
OFFICE OF THE SECRETARY .....	-	-	-	-	-	1,193	-	-	-	1,193
OFF OF SURFACE MINING RECLAMATION										
& ENFORCEMENT .....	603	-	-	-	603	989	-	493	-	496
OFFICE OF WATER RSCH & TECHNOLOGY ..	2,410	-	2,140	270	-	3,080	60	2,620	400	-
DEPARTMENT OF STATE, TOTAL .....	-	-	-	-	-	220	-	-	128	92
DEPARTMENTAL FUNDS .....	-	-	-	-	-	220	-	-	128	92
DEPARTMENT OF TRANSPORTATION, TOTAL ..	148	-	148	-	-	398	61	77	-	260
COAST GUARD .....	-	-	-	-	-	260	-	-	-	260
FEDERAL HIGHWAY ADMINISTRATION .....	148	-	148	-	-	138	61	77	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	1,011	-	225	206	580	-	-	-	-	-
BUREAU OF ALCOHOL, TOBACCO, &										
FIREARMS .....	50	-	25	25	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING .....	907	-	200	127	580	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE .....	54	-	-	54	-	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	69,328	-	69,328	-	-	6,147	1,362	3,874	911	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	3,669	-	1,195	2,474	-	30	30	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	-	-	-	-	-	51	-	-	-	51
AGENCY FOR INTERNAT'L DEVELOPMENT ..	-	-	-	-	-	51	-	-	-	51
NATIONAL AERONAUTICS & SPACE ADMIN ...	280,145	198,674	7,696	67,078	6,697	280,624	118,435	87,023	23,030	52,136
NATIONAL SCIENCE FOUNDATION .....	257,038	59,146	82,388	114,453	1,051	261,102	86,688	69,651	96,325	8,438
SMITHSONIAN INSTITUTION .....	8,144	8,144	-	-	-	3,147	100	2,134	913	-
TENNESSEE VALLEY AUTHORITY .....	3,100	-	3,100	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	-	-	-	-	-	318	30	254	34	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-25. FEDERAL OBLIGATIONS FOR RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRO- NOMY	CHEM- ISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOS- PHERIC	GEO- LOGICAL	OCEAN- OGRAPHY	ENVIRON- MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	2,510,073	320,665	645,100	1,396,255	148,053	1,092,759	382,195	372,345	250,757	87,462
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	63,239	-	59,599	3,640	-	14,012	5,113	8,899	-	-
AGRICULTURAL RESEARCH SERVICE .....	47,892	-	45,511	2,381	-	2,712	1,974	738	-	-
COOPERATIVE STATE RESEARCH SERVICE ..	10,244	-	10,244	-	-	1,283	1,283	-	-	-
FOREST SERVICE .....	5,103	-	3,844	1,259	-	10,017	1,856	8,161	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	984,049	921	228,985	737,460	16,683	168,425	71,505	38,662	49,153	9,105
ENERGY RESEARCH AND TECHNOLOGY										
ADMIN 1/ .....	939,527	390	216,221	706,233	16,683	84,423	28,204	36,778	10,456	8,985
NATIONAL BUREAU OF STANDARDS .....	38,540	531	11,886	26,123	-	720	233	367	-	120
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	5,982	-	878	5,104	-	83,282	43,068	1,517	38,697	-
DEPARTMENT OF DEFENSE, TOTAL .....	687,582	17,042	110,916	436,814	122,810	206,646	87,906	36,851	67,734	14,155
DEPARTMENT OF THE ARMY .....	127,428	-	54,313	42,646	30,469	21,679	12,064	7,144	418	2,053
DEPARTMENT OF THE NAVY .....	220,606	11,662	29,170	163,794	15,980	88,326	11,738	5,523	61,581	9,484
DEPARTMENT OF THE AIR FORCE .....	84,534	5,380	27,158	49,375	2,621	43,872	36,756	7,116	-	-
DEFENSE AGENCIES .....	255,014	-	275	180,999	73,740	52,769	27,348	17,068	5,735	2,618
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	81,534	-	73,016	8,516	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH										
ADMIN .....	1,161	-	1,161	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	80,373	-	71,855	8,518	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL ....	14,077	-	10,330	1,885	1,862	163,978	7,537	138,639	12,207	5,595
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	-	300	-	-	-	300
BUREAU OF MINES .....	6,600	-	4,800	-	1,800	11,244	-	6,900	-	4,344
BUREAU OF RECLAMATION .....	-	-	-	-	-	5,638	5,526	-	112	-
GEOLOGICAL SURVEY .....	6,765	-	5,040	1,725	-	141,685	-	130,070	11,615	-
NATIONAL PARK SERVICE .....	62	-	-	-	62	3,082	1,951	69	300	762
OFFICE OF THE SECRETARY .....	-	-	-	-	-	189	-	-	-	189
OFF OF SURFACE MINING RECLAMATION										
& ENFORCEMENT .....	80	-	80	-	-	180	-	180	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	570	-	410	160	-	1,660	60	1,420	180	-
DEPARTMENT OF JUSTICE, TOTAL .....	200	-	-	-	200	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION ....	200	-	-	-	200	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL .....	-	-	-	-	-	140	-	-	100	40
DEPARTMENTAL FUNDS .....	-	-	-	-	-	140	-	-	100	40
DEPARTMENT OF TRANSPORTATION, TOTAL ..	105	-	105	-	-	110	30	80	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	105	-	105	-	-	110	30	80	-	-
DEPARTMENT OF THE TREASURY, TOTAL ....	1,393	-	306	195	892	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ...	1,393	-	306	195	892	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	66,828	-	66,828	-	-	7,569	2,297	3,302	1,970	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	2,888	-	726	2,162	-	79	79	-	-	-
INTERNAT'L DEV COOPERATION AGENCY ....	-	-	-	-	-	200	-	-	-	200
AGENCY FOR INTERNAT'L DEVELOPMENT ..	-	-	-	-	-	200	-	-	-	200
NATIONAL AERONAUTICS & SPACE ADMIN ...	325,390	230,802	4,466	84,997	5,125	267,841	119,117	73,481	21,506	53,737
NATIONAL SCIENCE FOUNDATION .....	271,085	63,597	86,423	120,584	481	260,297	88,503	70,004	97,160	4,630
SMITHSONIAN INSTITUTION .....	8,303	8,303	-	-	-	3,354	97	2,341	916	-
TENNESSEE VALLEY AUTHORITY .....	3,400	-	3,400	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	-	-	-	-	-	108	11	86	11	-

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-26. FEDERAL OBLIGATIONS FOR RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRON- OMY	CHEM- ISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOS- PHERIC	GEO- LOGICAL	OCEAN- OGRAPHY	ENVIRON- MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	2,846,294	386,078	532,818	1,762,371	165,027	1,097,700	390,248	369,813	252,752	84,887
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	68,023	-	64,250	3,773	-	13,178	5,112	8,066	-	-
AGRICULTURAL RESEARCH SERVICE .....	53,409	-	50,770	2,639	-	3,007	2,192	815	-	-
COOPERATIVE STATE RESEARCH SERVICE ..	10,021	-	10,021	-	-	1,255	1,255	-	-	-
FOREST SERVICE .....	4,593	-	3,459	1,134	-	8,916	1,665	7,251	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	1,117,386	948	115,699	993,766	6,973	133,478	60,762	38,429	29,215	5,072
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/.....	1,071,462	390	102,678	961,421	6,973	72,095	22,983	36,011	8,029	5,072
NATIONAL BUREAU OF STANDARDS .....	39,647	558	12,141	26,948	-	377	-	377	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	6,277	-	880	5,397	-	61,006	37,779	2,041	21,186	-
DEPARTMENT OF DEFENSE, TOTAL .....	807,695	16,946	128,030	513,477	149,242	230,291	91,769	41,922	77,993	18,607
DEPARTMENT OF THE ARMY .....	139,310	-	58,451	52,126	28,733	23,529	13,134	8,734	437	1,224
DEPARTMENT OF THE NAVY .....	251,237	11,029	35,363	186,750	18,095	90,810	11,670	6,151	61,016	11,973
DEPARTMENT OF THE AIR FORCE .....	97,845	5,917	33,916	55,140	2,872	51,405	43,076	8,329	-	-
DEFENSE AGENCIES .....	319,303	-	300	219,461	99,542	64,547	23,889	18,708	16,540	5,410
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	85,615	-	76,821	8,794	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	2,648	-	2,648	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	82,967	-	74,173	8,794	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	13,673	-	10,070	1,740	1,863	147,262	6,471	126,083	12,178	2,530
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	-	250	-	-	-	250
BUREAU OF MINES .....	6,600	-	4,800	-	1,800	4,900	-	3,600	-	-1,300
BUREAU OF RECLAMATION .....	-	-	-	-	-	4,473	4,323	-	150	-
GEOLOGICAL SURVEY .....	6,940	-	5,200	1,740	-	134,242	-	122,214	12,028	-
NATIONAL PARK SERVICE .....	63	-	-	-	63	3,022	2,148	69	-	805
OFFICE OF THE SECRETARY .....	-	-	-	-	-	175	-	-	-	175
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	70	-	70	-	-	200	-	200	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	200	-	-	-	200	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION .....	200	-	-	-	200	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL .....	-	-	-	-	-	140	-	-	-	140
DEPARTMENTAL FUNDS .....	-	-	-	-	-	140	-	-	-	140
DEPARTMENT OF TRANSPORTATION, TOTAL ..	94	-	94	-	-	135	78	57	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	94	-	94	-	-	135	78	57	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	1,781	-	392	249	1,140	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ...	1,781	-	392	249	1,140	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	36,884	-	36,884	-	-	3,521	873	2,273	375	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	4,609	-	90	4,519	-	181	181	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	-	-	-	-	-	160	-	-	-	160
AGENCY FOR INTERNAT'L DEVELOPMENT ..	-	-	-	-	-	160	-	-	-	160
NATIONAL AERONAUTICS & SPACE ADMIN ...	413,407	291,980	5,900	110,402	5,125	279,172	124,212	73,934	24,028	56,998
NATIONAL SCIENCE FOUNDATION .....	284,574	67,551	90,888	125,651	484	286,422	100,666	76,332	108,044	1,380
SMITHSONIAN INSTITUTION .....	8,653	8,653	-	-	-	3,595	104	2,592	899	-
TENNESSEE VALLEY AUTHORITY .....	3,700	-	3,700	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	-	-	-	-	-	165	20	125	20	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-27. FEDERAL OBLIGATIONS FOR RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981  
(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERD-NAUTICAL	ASTRD-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES .....	3,071,454	709,577	303,936	147,624	159,112	556,674	204,646	255,972	733,913
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	50,709	-	-	5,278	4,694	242	3,906	-	36,589
AGRICULTURAL RESEARCH SERVICE .....	29,980	-	-	2,717	2,073	242	986	-	23,962
COOPERATIVE STATE RESEARCH SERVICE ..	6,286	-	-	-	-	-	-	-	6,286
FOREST SERVICE .....	14,443	-	-	2,561	2,621	-	2,920	-	6,341
DEPARTMENT OF COMMERCE, TOTAL .....	298,701	-	-	31,656	24,316	24,687	19,077	57,833	141,132
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	270,199	-	-	30,633	20,696	13,737	16,981	52,044	136,108
NATIONAL BUREAU OF STANDARDS .....	19,745	-	-	1,023	2,977	2,973	2,096	5,652	5,024
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	2,193	-	-	-	643	1,413	-	137	-
NAT'L TELECOMM & INFORMATION ADMIN ..	6,564	-	-	-	-	6,564	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	1,324,129	232,560	69,216	31,089	34,909	477,428	136,560	131,600	210,767
DEPARTMENT OF THE ARMY .....	265,972	33,036	1,921	18,293	23,585	107,405	40,624	25,097	16,011
DEPARTMENT OF THE NAVY .....	356,377	37,663	-	9,938	3,036	71,631	55,562	43,436	135,111
DEPARTMENT OF THE AIR FORCE .....	388,348	114,033	46,659	2,646	3,472	162,330	19,174	31,835	8,199
DEFENSE AGENCIES .....	313,432	47,828	20,636	212	4,816	136,062	21,200	31,232	51,446
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	48,791	-	-	-	-	-	-	-	48,791
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	84	-	-	-	-	-	-	-	84
HUMAN DEVELOPMENT SERVICES .....	5,065	-	-	-	-	-	-	-	5,065
NATIONAL INSTITUTES OF HEALTH .....	43,642	-	-	-	-	-	-	-	43,642
DEPT OF HOUSING & URBAN DEVELOPMENT ..	1,829	-	-	-	-	-	-	-	1,829
DEPARTMENT OF THE INTERIOR, TOTAL ...	68,505	-	-	3,445	20,599	5,324	5,146	31,405	2,586
BONNEVILLE POWER ADMINISTRATION ....	4,229	-	-	-	-	4,229	-	-	-
BUREAU OF MINES .....	47,450	-	-	3,400	7,600	500	4,100	31,850	500
BUREAU OF RECLAMATION .....	3,868	-	-	45	2,642	295	96	-	790
GEOLOGICAL SURVEY .....	6,950	-	-	-	5,700	300	950	-	-
NATIONAL PARK SERVICE .....	43	-	-	-	-	-	-	-	43
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	2,215	-	-	-	907	-	-	55	1,253
OFFICE OF WATER RSCH & TECHNOLOGY ..	3,750	-	-	-	3,750	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	370	-	-	-	-	370	-	-	-
DRUG ENFORCEMENT ADMINISTRATION ....	300	-	-	-	-	300	-	-	-
IMMIGRATION & NATURALIZATION SVC ..	70	-	-	-	-	70	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	57,132	1,230	574	531	21,238	6,036	20,807	1,184	5,532
COAST GUARD .....	5,383	-	-	-	-	2,893	-	-	2,490
FEDERAL AVIATION ADMINISTRATION .....	8,200	1,230	574	-	5,330	1,066	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	4,624	-	-	-	3,596	153	714	163	-
FEDERAL RAILROAD ADMINISTRATION .....	6,168	-	-	-	2,283	493	1,850	-	1,542
MARITIME ADMINISTRATION .....	8,771	-	-	-	-	900	5,350	1,021	1,500
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	11,848	-	-	-	-	-	11,848	-	-
OFFICE OF THE SECRETARY .....	300	-	-	-	300	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	2,536	-	-	531	429	531	1,045	-	-
URBAN MASS TRANSPORTATION ADMIN ....	9,300	-	-	-	9,300	-	-	-	-
OTHER AGENCIES									
CONSUMER PRODUCT SAFETY COMMISSION ...	150	-	-	-	-	150	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	77,229	-	-	55,788	21,441	-	-	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	1,259	-	-	-	-	1,259	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	2,914	-	-	155	867	128	840	-	924
GENERAL SERVICES ADMINISTRATION .....	318	-	-	246	40	-	-	-	32
INTERNATIONAL COMMUNICATION AGENCY ...	125	-	-	-	-	125	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	6,947	-	-	-	2,753	1,000	-	-	3,194
AGENCY FOR INTERNAT'L DEVELOPMENT ..	6,947	-	-	-	2,753	1,000	-	-	3,194
NATIONAL AERONAUTICS & SPACE ADMIN ...	780,708	475,787	233,863	265	112	4,256	4,034	9,734	52,657
NATIONAL SCIENCE FOUNDATION .....	121,024	-	153	19,148	28,143	27,986	14,276	24,216	7,102
NUCLEAR REGULATORY COMMISSION .....	219,667	-	-	-	-	-	-	-	219,667
TENNESSEE VALLEY AUTHORITY .....	7,600	-	-	-	-	7,600	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	456	-	130	23	-	83	-	-	220
VETERANS ADMINISTRATION .....	2,891	-	-	-	-	-	-	-	2,891

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-28. FEDERAL OBLIGATIONS FOR RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	LEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES .....	3,136,878	658,501	314,519	149,779	163,467	570,162	198,601	293,821	788,028
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	50,387	-	-	5,325	4,217	318	3,636	-	36,891
AGRICULTURAL RESEARCH SERVICE .....	30,543	-	-	2,973	1,957	318	1,062	-	24,233
COOPERATIVE STATE RESEARCH SERVICE .....	7,024	-	-	-	-	-	-	-	7,024
FOREST SERVICE .....	12,820	-	-	2,352	2,260	-	2,574	-	5,634
DEPARTMENT OF COMMERCE, TOTAL .....	354,176	-	-	28,623	35,753	30,572	9,410	70,900	178,918
ENERGY RESEARCH AND TECHNOLOGY ADMIN. 1/ .....	323,272	-	-	27,400	30,870	20,490	7,724	63,416	173,372
NATIONAL BUREAU OF STANDARDS .....	23,193	-	-	1,223	4,193	3,061	1,686	7,484	5,546
NAT'L OCEANIC & ATMOSPHERIC ADMIN. ..	1,611	-	-	-	690	921	-	-	-
NAT'L TELECOMM & INFORMATION ADMIN. ..	6,100	-	-	-	-	6,100	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	1,390,542	222,770	72,029	34,788	39,311	477,520	145,692	151,179	247,253
DEPARTMENT OF THE ARMY .....	267,841	32,566	2,790	19,432	24,044	104,317	44,567	24,252	15,873
DEPARTMENT OF THE NAVY .....	374,696	34,157	-	12,484	3,587	93,559	57,051	50,080	123,778
DEPARTMENT OF THE AIR FORCE .....	355,697	116,325	45,609	2,680	3,852	126,989	18,933	33,159	8,150
DEFENSE AGENCIES .....	392,308	39,722	23,630	192	7,828	152,655	25,141	43,688	89,452
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	50,272	-	-	-	-	-	-	-	50,272
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	179	-	-	-	-	-	-	-	179
HUMAN DEVELOPMENT SERVICES .....	4,949	-	-	-	-	-	-	-	4,949
NATIONAL INSTITUTES OF HEALTH .....	45,144	-	-	-	-	-	-	-	45,144
DEPT OF HOUSING & URBAN DEVELOPMENT ..	367	-	-	-	-	-	-	-	367
DEPARTMENT OF THE INTERIOR, TOTAL .....	68,997	-	-	5,435	14,912	8,039	4,453	35,050	1,108
BONNEVILLE POWER ADMINISTRATION ....	6,959	-	-	-	-	6,959	-	-	-
BUREAU OF MINES .....	48,600	-	-	5,400	3,970	500	3,400	34,900	500
BUREAU OF RECLAMATION .....	3,908	-	-	35	2,927	300	101	-	545
GEOLOGICAL SURVEY .....	6,417	-	-	-	5,185	280	952	-	-
NATIONAL PARK SERVICE .....	63	-	-	-	-	-	-	-	63
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	300	-	-	-	150	-	-	150	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	2,750	-	-	-	2,750	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	1,176	-	-	-	-	1,176	-	-	-
DRUG ENFORCEMENT ADMINISTRATION ....	800	-	-	-	-	800	-	-	-
IMMIGRATION & NATURALIZATION SVC ...	376	-	-	-	-	376	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	45,720	465	217	466	19,595	4,445	15,357	945	4,230
COAST GUARD .....	3,707	-	-	-	-	1,992	-	-	1,715
FEDERAL AVIATION ADMINISTRATION' .....	3,100	465	217	-	2,015	403	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	4,620	-	-	-	3,745	200	530	145	-
FEDERAL RAILROAD ADMINISTRATION .....	6,069	-	-	-	2,252	484	1,818	-	1,515
MARITIME ADMINISTRATION .....	5,902	-	-	-	-	900	3,202	800	1,000
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN. ..	8,953	-	-	-	-	-	8,953	-	-
OFFICE OF THE SECRETARY .....	200	-	-	-	200	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN. ..	2,162	-	-	466	376	466	854	-	-
URBAN MASS TRANSPORTATION ADMIN. ....	11,007	-	-	-	11,007	-	-	-	-
OTHER AGENCIES									
ENVIRONMENTAL PROTECTION AGENCY .....	71,491	-	-	54,923	16,568	-	-	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	524	-	-	-	-	524	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	3,473	-	-	158	1,026	158	1,026	-	1,105
GENERAL SERVICES ADMINISTRATION .....	153	-	-	-	103	-	-	-	50
INTERNATIONAL COMMUNICATION AGENCY ...	499	-	-	-	-	499	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	9,441	-	-	-	1,605	1,000	-	-	6,836
AGENCY FOR INTERNAT'L DEVELOPMENT ..	9,441	-	-	-	1,605	1,000	-	-	6,836
NATIONAL AERONAUTICS & SPACE ADMIN. ...	731,760	435,266	242,074	300	125	4,300	4,100	10,431	35,164
NATIONAL SCIENCE FOUNDATION .....	127,048	-	153	19,751	30,252	29,379	14,927	25,316	7,270
NUCLEAR REGULATORY COMMISSION .....	215,763	-	-	-	-	-	-	-	215,763
TENNESSEE VALLEY AUTHORITY .....	12,200	-	-	-	-	12,200	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	160	-	46	10	-	32	-	-	72
VETERANS ADMINISTRATION .....	2,729	-	-	-	-	-	-	-	2,729

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-29. FEDERAL OBLIGATIONS FOR RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING MEC
TOTAL, ALL AGENCIES .....	3,172,285	684,965	338,500	137,637	136,148	624,376	228,946	314,065	703,448
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	52,011	-	-	5,414	4,155	352	3,463	-	38,627
AGRICULTURAL RESEARCH SERVICE .....	33,690	-	-	3,291	2,155	352	1,170	-	26,722
COOPERATIVE STATE RESEARCH SERVICE .....	6,870	-	-	-	-	-	-	-	6,870
FOREST SERVICE .....	11,451	-	-	2,123	2,000	-	2,293	-	5,035
DEPARTMENT OF COMMERCE, TOTAL .....	226,246	-	-	19,256	17,374	16,099	14,493	70,112	88,912
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	197,012	-	-	19,000	10,850	7,201	12,534	64,501	82,926
NATIONAL BUREAU OF STANDARDS .....	22,765	-	-	256	5,808	3,145	1,959	5,611	5,986
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	1,681	-	-	-	716	965	-	-	-
NAT'L TELECOMM & INFORMATION ADMIN ..	4,788	-	-	-	-	4,788	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	1,526,051	227,408	76,677	44,692	42,033	542,924	172,545	172,937	246,835
DEPARTMENT OF THE ARMY .....	328,045	45,823	3,389	24,242	26,541	140,760	49,790	27,853	9,647
DEPARTMENT OF THE NAVY .....	413,545	37,272	-	13,471	3,585	96,437	62,631	51,179	148,970
DEPARTMENT OF THE AIR FORCE .....	425,635	132,441	57,762	3,490	4,232	150,772	24,503	42,094	10,341
DEFENSE AGENCIES .....	358,826	11,872	15,526	3,489	7,675	154,955	35,621	51,811	77,877
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	51,277	-	-	-	-	-	-	-	51,277
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	83	-	-	-	-	-	-	-	83
HUMAN DEVELOPMENT SERVICES .....	4,588	-	-	-	-	-	-	-	4,588
NATIONAL INSTITUTES OF HEALTH .....	46,606	-	-	-	-	-	-	-	46,606
DEPT OF HOUSING & URBAN DEVELOPMENT ..	510	-	-	-	-	-	-	-	510
DEPARTMENT OF THE INTERIOR, TOTAL .....	59,696	-	-	5,755	10,072	7,315	3,422	31,875	1,257
BONNEVILLE POWER ADMINISTRATION .....	6,365	-	-	-	-	6,365	-	-	-
BUREAU OF MINES .....	42,500	-	-	5,700	1,900	400	2,500	31,600	400
BUREAU OF RECLAMATION .....	4,440	-	-	55	3,212	300	73	-	800
GEOLOGICAL SURVEY .....	5,859	-	-	-	4,760	250	849	-	-
NATIONAL PARK SERVICE .....	57	-	-	-	-	-	-	-	57
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	475	-	-	-	200	-	-	275	-
DEPARTMENT OF JUSTICE, TOTAL .....	600	-	-	-	-	600	-	-	-
DRUG ENFORCEMENT ADMINISTRATION .....	400	-	-	-	-	400	-	-	-
IMMIGRATION & NATURALIZATION SVC .....	200	-	-	-	-	200	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	51,845	1,200	560	445	19,633	3,841	15,633	1,203	9,330
COAST GUARD .....	4,089	-	-	-	-	1,604	-	-	2,485
FEDERAL AVIATION ADMINISTRATION .....	8,000	1,200	560	-	5,200	1,040	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	4,935	-	-	-	4,170	182	380	203	-
FEDERAL RAILROAD ADMINISTRATION .....	3,383	-	-	-	1,254	270	1,014	-	845
MARITIME ADMINISTRATION .....	11,800	-	-	-	-	300	4,500	1,000	6,000
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	9,117	-	-	-	-	-	9,117	-	-
OFFICE OF THE SECRETARY .....	150	-	-	-	150	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	1,871	-	-	445	359	445	622	-	-
URBAN MASS TRANSPORTATION ADMIN .....	8,500	-	-	-	8,500	-	-	-	-
OTHER AGENCIES									
ENVIRONMENTAL PROTECTION AGENCY .....	54,603	-	-	45,742	8,861	-	-	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	429	-	-	-	-	429	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	5,873	-	-	-	2,711	90	723	-	2,349
GENERAL SERVICES ADMINISTRATION .....	510	-	-	-	235	-	-	-	275
INTERNATIONAL COMMUNICATION AGENCY .....	150	-	-	-	-	150	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	8,105	-	-	-	1,800	600	-	-	5,705
AGENCY FOR INTERNAT'L DEVELOPMENT ..	8,105	-	-	-	1,800	600	-	-	5,705
NATIONAL AERONAUTICS & SPACE ADMIN ...	766,559	456,357	259,005	300	125	4,300	1,800	11,564	33,108
NATIONAL SCIENCE FOUNDATION .....	135,413	-	164	22,213	29,149	32,518	16,867	26,374	8,128
NUCLEAR REGULATORY COMMISSION .....	213,525	-	-	-	-	-	-	-	213,525
TENNESSEE VALLEY AUTHORITY .....	15,100	-	-	-	-	15,100	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	322	-	94	20	-	58	-	-	150
VETERANS ADMINISTRATION .....	3,460	-	-	-	-	-	-	-	3,460

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-30. FEDERAL OBLIGATIONS FOR RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRO- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- OLOGY	SOCIAL SCIENCES NEC
TOTAL. ALL AGENCIES .....	278,925	117,726	121,520	39,679	497,427	14,537	206,722	10,767	64,990	200,411
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	18,702	18,702	-	-	88,236	61	81,078	714	5,638	745
AGRICULTURAL COOPERATIVE SERVICE ...	-	-	-	-	1,739	-	1,739	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	2,835	2,835	-	-	2,228	61	1,572	-	68	527
COOPERATIVE STATE RESEARCH SERVICE ..	-	-	-	-	40,771	-	38,613	-	2,158	-
ECONOMIC RESEARCH SERVICE .....	6,057	6,057	-	-	33,286	-	31,807	632	629	218
FOREST SERVICE .....	2,310	2,310	-	-	10,212	-	7,347	82	2,783	-
STATISTICAL REPORTING SERVICE .....	7,500	7,500	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	26,207	14,720	6,214	5,273	8,237	-	3,878	116	293	3,950
BUREAU OF THE CENSUS .....	2,004	1,732	272	-	648	-	355	-	293	-
ECONOMIC DEVELOPMENT ADMINISTRATION ..	-	-	-	-	1,800	-	1,800	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	14,721	8,173	3,048	3,500	3,950	-	-	-	-	3,950
NATIONAL BUREAU OF STANDARDS .....	7,399	4,344	1,282	1,773	1,605	-	1,605	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	943	471	472	-	220	-	118	102	-	-
NAT'L TELECOMM & INFORMATION ADMIN ..	1,140	-	1,140	-	14	-	-	14	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	147,480	36,241	80,823	30,416	4,726	-	143	788	3,095	700
DEPARTMENT OF THE ARMY .....	15,160	7,137	7,833	190	914	-	143	-	621	150
DEPARTMENT OF THE NAVY .....	42,945	9,497	26,849	6,599	2,474	-	-	-	2,474	-
DEPARTMENT OF THE AIR FORCE .....	37,082	11,910	22,528	2,644	-	-	-	-	-	-
DEFENSE AGENCIES .....	52,293	7,697	23,613	20,983	1,338	-	-	788	-	550
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	9,850	9,850	-	-	166,904	663	16,143	1,662	37,776	110,660
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	-	-	-	-	27,400	663	169	971	20,745	47,852
HEALTH CARE FINANCING ADMIN .....	-	-	-	-	38,623	-	-	-	-	38,623
HUMAN DEVELOPMENT SERVICES .....	-	-	-	-	19,840	-	-	-	-	19,840
NATIONAL INSTITUTES OF HEALTH .....	9,409	9,409	-	-	15,250	-	-	-	-	15,250
OFFICE OF ASST'T SECY FOR HEALTH ...	441	441	-	-	28,313	-	-	691	11,181	14,117
OFFICE OF THE SECRETARY .....	-	-	-	-	19,500	-	13,650	-	5,850	-
SOCIAL SECURITY ADMINISTRATION .....	-	-	-	-	17,978	-	-	-	-	17,978
DEPT OF HOUSING & URBAN DEVELOPMENT ..	-	-	-	-	14,861	-	14,740	-	-	121
DEPARTMENT OF THE INTERIOR, TOTAL ....	7,040	4,200	2,210	630	4,591	1,056	713	-	108	2,714
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	75	-	-	-	-	75
BUREAU OF MINES .....	3,900	3,900	-	-	135	-	39	-	96	-
BUREAU OF RECLAMATION .....	-	-	-	-	-	-	-	-	-	-
GEOLOGICAL SURVEY .....	2,400	300	2,100	-	1,480	1,056	-	-	-	424
NATIONAL PARK SERVICE .....	3	-	3	-	214	-	214	-	-	-
OFFICE OF THE SECRETARY .....	107	-	107	-	-	-	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	-	-	-	-	787	-	-	-	12	775
OFFICE OF WATER RSCH & TECHNOLOGY ..	630	-	-	630	1,900	-	460	-	-	1,440
DEPARTMENT OF JUSTICE, TOTAL .....	100	-	100	-	15,633	-	1,100	1,000	6,038	7,495
DRUG ENFORCEMENT ADMINISTRATION ....	100	-	100	-	-	-	-	-	250	657
FEDERAL PRISON SYSTEM .....	-	-	-	-	1,307	-	400	-	-	700
OFFICE OF THE ATTORNEY GENERAL .....	-	-	-	-	700	-	-	1,000	5,788	6,138
OFF OF JUSTICE ASSIST, RSCH, & STAT ..	-	-	-	-	13,626	-	700	-	-	-
DEPARTMENT OF LABOR, TOTAL .....	-	-	-	-	58,197	-	58,197	-	-	-
BUREAU OF LABOR STATISTICS .....	-	-	-	-	251	-	251	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION ..	-	-	-	-	3,200	-	3,200	-	-	-
EMPLOYMENT & TRAINING ADMIN .....	-	-	-	-	48,794	-	48,794	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN .....	-	-	-	-	1,752	-	1,752	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	-	-	-	-	3,000	-	3,000	-	-	-
OFFICE OF THE SECRETARY .....	-	-	-	-	1,100	-	1,100	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION .....	-	-	-	-	100	-	100	-	-	-
DEPARTMENT OF STATE, TOTAL .....	-	-	-	-	1,386	-	146	-	-	1,240
DEPARTMENTAL FUNDS .....	-	-	-	-	1,386	-	146	-	-	1,240

CONTINUED ON NEXT PAGE

TABLE C-30. FEDERAL OBLIGATIONS FOR RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES,  
BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRO- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- DLOGY	SOCIAL SCIENCES NEC
-DEPARTMENT OF TRANSPORTATION, TOTAL ..	1,193	-	1,193	-	15,096	-	9,288	-	5,808	-
FEDERAL HIGHWAY ADMINISTRATION .....	60	-	60	-	-	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION .....	23	-	23	-	9	-	9	-	-	-
MARITIME ADMINISTRATION .....	355	-	355	-	400	-	400	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	-	-	-	-	12,378	-	7,315	-	5,063	-
OFFICE OF THE SECRETARY .....	-	-	-	-	400	-	400	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	755	-	755	-	1,909	-	1,164	-	745	-
DEPARTMENT OF THE TREASURY, TOTAL ....	930	258	672	-	2,331	-	2,288	-	43	-
INTERNAL REVENUE SERVICE .....	930	258	672	-	2,331	-	2,288	-	43	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	-	-	-	-	2,211	-	1,106	1,105	-	-
APPALACHIAN REGIONAL COMMISSION .....	-	-	-	-	280	-	280	-	-	-
COMMUNITY SERVICES ADMINISTRATION .....	-	-	-	-	1,927	-	-	-	1,927	-
FEDERAL COMMUNICATIONS COMMISSION .....	-	-	-	-	484	-	349	46	-	89
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	436	383	53	-	704	-	263	205	236	-
FEDERAL HOME LOAN BANK BOARD .....	-	-	-	-	1,036	-	1,036	-	-	-
FEDERAL TRADE COMMISSION .....	-	-	-	-	1,100	-	-	1,100	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	-	-	-	-	44,700	-	-	-	-	44,700
GENERAL SERVICES ADMINISTRATION .....	72	-	72	-	-	-	-	-	-	-
INTERNATIONAL COMMUNICATION AGENCY ....	-	-	-	-	991	-	-	-	-	991
INTERNAT'L DEV COOPERATION AGENCY .....	931	-	931	-	3,100	-	-	-	-	3,100
AGENCY FOR INTERNAT'L DEVELOPMENT ...	931	-	931	-	3,100	-	-	-	-	3,100
INTERNATIONAL TRADE COMMISSION .....	-	-	-	-	3,397	-	3,397	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	3,959	1,818	1,283	858	199	-	-	-	-	199
NATIONAL SCIENCE FOUNDATION .....	61,605	31,554	27,736	2,315	40,341	6,313	12,534	3,385	4,028	14,081
OFFICE OF PERSONNEL MANAGEMENT .....	-	-	-	-	244	-	-	244	-	-
SMITHSONIAN INSTITUTION .....	-	-	-	-	16,070	6,444	-	-	-	9,626
US ARMS CONTROL & DISARMAMENT AGENCY ..	420	-	233	187	445	-	43	402	-	-

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.
2. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-31. FEDERAL OBLIGATIONS FOR RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRO- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- OLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	310,581	130,862	140,743	38,976	405,754	15,347	167,845	9,059	50,483	163,020
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	16,816	16,816	-	-	90,684	-	83,811	246	6,004	623
AGRICULTURAL COOPERATIVE SERVICE ...	-	-	-	-	1,808	-	1,808	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	1,399	1,399	-	-	1,240	-	820	-	15	405
COOPERATIVE STATE RESEARCH SERVICE ..	-	-	-	-	45,553	-	43,142	-	2,411	-
ECONOMIC RESEARCH SERVICE .....	6,058	6,058	-	-	33,302	-	31,821	178	1,085	218
FOREST SERVICE .....	2,059	2,059	-	-	8,781	-	6,220	68	2,493	-
HUMAN NUTRITION INFORMATION SERVICE ..	300	300	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	7,000	7,000	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	27,914	14,988	8,249	4,677	6,934	-	3,410	108	286	3,130
BUREAU OF THE CENSUS .....	1,872	1,607	265	-	630	-	344	-	286	-
ECONOMIC DEVELOPMENT ADMINISTRATION ..	-	-	-	-	1,900	-	1,900	-	-	-
ENERGY RESEARCH AND TECHNOLOGY .....	-	-	-	-	-	-	-	-	-	-
ADMIN 1/ .....	14,600	8,225	3,375	3,000	3,000	-	-	-	-	3,000
NATIONAL BUREAU OF STANDARDS .....	8,637	4,696	2,264	1,677	781	-	781	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	1,045	460	585	-	593	-	385	78	-	130
NAT'L TELECOMM & INFORMATION ADMIN ..	1,760	-	1,760	-	30	-	-	30	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	175,319	46,026	96,087	33,206	4,978	-	137	2,079	2,599	163
DEPARTMENT OF THE ARMY .....	15,489	7,631	7,725	133	1,009	-	137	-	-	163
DEPARTMENT OF THE NAVY .....	40,464	11,941	20,445	8,078	1,890	-	-	-	709	-
DEPARTMENT OF THE AIR FORCE .....	37,765	14,993	19,774	2,998	-	-	-	-	1,890	-
DEFENSE AGENCIES .....	81,601	11,463	48,143	21,997	2,079	-	-	2,079	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	10,275	10,275	-	-	129,286	650	10,670	1,251	29,027	87,688
ALCOHOL, DRUG ABUSE & MENTAL HLTH ..	-	-	-	-	25,689	650	143	918	19,614	4,364
ADMIN .....	-	-	-	-	29,500	-	-	-	-	29,500
HEALTH CARE FINANCING ADMIN .....	-	-	-	-	14,735	-	-	-	-	14,735
HUMAN DEVELOPMENT SERVICES .....	-	-	-	-	15,768	-	-	-	-	15,768
NATIONAL INSTITUTES OF HEALTH .....	9,714	9,714	-	-	13,627	-	1,119	333	5,381	6,794
OFFICE OF ASST'T SECY FOR HEALTH .....	561	561	-	-	13,440	-	9,408	-	4,032	-
OFFICE OF THE SECRETARY .....	-	-	-	-	16,527	-	-	-	-	16,527
SOCIAL SECURITY ADMINISTRATION .....	-	-	-	-	-	-	-	-	-	-
DEPT OF HOUSING & URBAN DEVELOPMENT ..	-	-	-	-	12,634	-	12,570	-	-	64
DEPARTMENT OF THE INTERIOR, TOTAL .....	6,263	3,652	2,391	220	2,459	883	555	-	90	931
BUREAU OF MINES .....	3,400	3,400	-	-	-	-	-	-	-	-
BUREAU OF RECLAMATION .....	-	-	-	-	65	-	25	-	40	-
GEOLOGICAL SURVEY .....	2,425	252	2,173	-	-	-	-	-	-	-
NATIONAL PARK SERVICE .....	3	-	3	-	1,404	883	-	-	50	471
OFFICE OF THE SECRETARY .....	135	-	135	-	270	-	270	-	-	-
OFF OF SURFACE MINING RECLAMATION ..	-	-	-	-	60	-	60	-	-	-
& ENFORCEMENT .....	80	-	80	-	60	-	200	-	-	460
OFFICE OF WATER RSCH & TECHNOLOGY ..	220	-	-	220	660	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	-	-	-	-	15,203	-	1,000	1,600	4,423	8,180
FEDERAL PRISON SYSTEM .....	-	-	-	-	1,307	-	400	-	250	657
OFFICE OF THE ATTORNEY GENERAL .....	-	-	-	-	804	-	-	-	-	804
OFF OF JUSTICE ASSIST, RSCH, & STAT ..	-	-	-	-	13,092	-	600	1,600	4,173	6,719
DEPARTMENT OF LABOR, TOTAL .....	-	-	-	-	29,251	-	29,251	-	-	-
BUREAU OF LABOR STATISTICS .....	-	-	-	-	291	-	291	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION ..	-	-	-	-	2,000	-	2,000	-	-	-
EMPLOYMENT & TRAINING ADMIN .....	-	-	-	-	20,359	-	20,359	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN .....	-	-	-	-	606	-	606	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	-	-	-	-	4,900	-	4,900	-	-	-
OFFICE OF THE SECRETARY .....	-	-	-	-	900	-	900	-	-	-
PENSION BENEFIT GUARANTEE .....	-	-	-	-	195	-	195	-	-	-
CORPORATION .....	-	-	-	-	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL .....	-	-	-	-	1,859	-	300	-	-	1,559
DEPARTMENTAL FUNDS .....	-	-	-	-	1,859	-	300	-	-	1,559

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TABLE C-31. FEDERAL OBLIGATIONS FOR RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRO- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- OLOGY	SOCIAL SCIENCES NEC
DEPARTMENT OF TRANSPORTATION, TOTAL ..	1,241	-	1,241	-	11,644	-	7,159	-	4,485	-
FEDERAL HIGHWAY ADMINISTRATION .....	155	-	155	-	-	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION .....	23	-	23	-	8	-	8	-	-	-
MARITIME ADMINISTRATION .....	400	-	400	-	200	-	200	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	-	-	-	-	9,361	-	5,530	-	3,831	-
OFFICE OF THE SECRETARY .....	-	-	-	-	400	-	400	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	663	-	663	-	1,675	-	1,021	-	654	-
DEPARTMENT OF THE TREASURY, TOTAL ....	2,780	2,131	649	-	2,309	-	2,309	-	-	-
INTERNAL REVENUE SERVICE .....	2,780	2,131	649	-	2,309	-	2,309	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	-	-	-	-	1,884	-	942	942	-	-
APPALACHIAN REGIONAL COMMISSION .....	-	-	-	-	300	-	300	-	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	-	-	-	-	332	-	223	-	-	109
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	553	474	79	-	789	-	237	236	316	-
FEDERAL HOME LOAN BANK BOARD .....	-	-	-	-	1,210	-	1,210	-	-	-
FEDERAL TRADE COMMISSION .....	-	-	-	-	1,159	-	1,159	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	-	-	-	-	36,201	-	-	-	-	36,201
GENERAL SERVICES ADMINISTRATION .....	400	-	400	-	717	-	-	-	-	717
INTERNATIONAL COMMUNICATION AGENCY ...	-	-	-	-	2,900	-	-	-	-	2,900
INTERNAT'L DEV COOPERATION AGENCY .....	350	-	350	-	2,900	-	-	-	-	2,900
AGENCY FOR INTERNAT'L DEVELOPMENT ..	350	-	350	-	2,900	-	-	-	-	2,900
INTERNATIONAL TRADE COMMISSION .....	-	-	-	-	3,639	-	3,639	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	4,211	2,101	1,300	810	200	-	-	-	-	200
NATIONAL SCIENCE FOUNDATION .....	64,311	34,399	29,912	-	31,656	2,845	8,948	2,458	3,253	11,152
SMITHSONIAN INSTITUTION .....	-	-	-	-	17,372	7,969	-	-	-	9,403
US ARMS CONTROL & DISARMAMENT AGENCY ..	148	-	85	63	154	-	15	139	-	-

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-32. FEDERAL OBLIGATIONS FOR RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEG	TOTAL	ANTHRO- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- OLOGY	SOCIAL SCIENCES NEG
TOTAL, ALL AGENCIES .....	356,530	149,252	164,545	42,733	397,778	14,647	148,269	8,433	52,331	174,099
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	17,951	17,951	-	-	89,444	-	82,820	242	5,715	667
AGRICULTURAL COOPERATIVE SERVICE ...	-	-	-	-	1,436	-	1,436	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	1,547	1,547	-	-	1,363	-	905	-	16	442
COOPERATIVE STATE RESEARCH SERVICE ..	-	-	-	-	44,558	-	42,200	-	2,358	-
ECONOMIC RESEARCH SERVICE .....	6,261	6,261	-	-	34,323	-	32,807	183	1,108	225
FOREST SERVICE .....	1,843	1,843	-	-	7,764	-	5,472	59	2,233	-
HUMAN NUTRITION INFORMATION SERVICE ..	300	300	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	8,000	8,000	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	28,818	16,566	8,429	3,823	3,566	-	1,389	183	294	1,700
BUREAU OF THE CENSUS .....	1,986	1,713	273	-	648	-	354	-	294	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	15,950	9,500	4,350	2,100	1,700	-	-	-	-	1,700
NATIONAL BUREAU OF STANDARDS .....	8,470	4,915	1,832	1,723	802	-	802	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	1,096	438	658	-	400	-	233	167	-	-
NAT'L TELECOMM & INFORMATION ADMIN ..	1,316	-	1,316	-	16	-	-	16	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	213,974	56,545	119,374	38,055	6,497	-	144	1,413	3,270	1,670
DEPARTMENT OF THE ARMY .....	19,089	9,779	9,095	215	1,047	-	144	-	903	-
DEPARTMENT OF THE NAVY .....	47,034	14,271	23,594	9,169	2,367	-	-	-	2,367	-
DEPARTMENT OF THE AIR FORCE .....	45,837	19,256	23,173	3,408	-	-	-	-	-	-
DEFENSE AGENCIES .....	102,014	13,239	63,512	25,263	3,083	-	-	1,413	-	1,670
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	10,820	10,720	100	-	147,325	696	11,591	1,301	31,232	102,505
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	100	-	100	-	28,966	696	150	963	21,342	5,815
HEALTH CARE FINANCING ADMIN .....	-	-	-	-	30,000	-	-	-	-	30,000
HUMAN DEVELOPMENT SERVICES .....	-	-	-	-	23,723	-	-	-	-	23,723
NATIONAL INSTITUTES OF HEALTH .....	10,033	10,033	-	-	16,279	-	-	-	-	16,279
OFFICE OF ASST'T SECY FOR HEALTH .....	687	687	-	-	13,864	-	1,138	338	5,475	6,913
OFFICE OF THE SECRETARY .....	-	-	-	-	14,718	-	10,303	-	4,415	-
SOCIAL SECURITY ADMINISTRATION .....	-	-	-	-	19,775	-	-	-	-	19,775
DEPT OF HOUSING & URBAN DEVELOPMENT ..	-	-	-	-	11,916	-	11,606	-	-	310
DEPARTMENT OF THE INTERIOR, TOTAL ....	5,528	3,160	2,368	-	1,632	716	340	-	368	208
BUREAU OF MINES .....	2,900	2,900	-	-	-	-	-	-	-	-
BUREAU OF RECLAMATION .....	-	-	-	-	86	-	20	-	66	-
GEOLOGICAL SURVEY .....	2,440	260	2,180	-	-	716	-	-	302	208
NATIONAL PARK SERVICE .....	3	-	3	-	1,226	-	-	-	-	-
OFFICE OF THE SECRETARY .....	125	-	125	-	250	-	250	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	60	-	60	-	70	-	70	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	-	-	-	-	11,179	-	1,150	900	2,350	6,779
FEDERAL PRISON SYSTEM .....	-	-	-	-	1,307	-	400	-	250	657
OFFICE OF THE ATTORNEY GENERAL .....	-	-	-	-	709	-	-	-	-	709
OFF OF JUSTICE ASSIST, RSCH, & STAT ..	-	-	-	-	9,163	-	750	900	2,100	5,413
DEPARTMENT OF LABOR, TOTAL .....	-	-	-	-	9,441	-	9,441	-	-	-
BUREAU OF LABOR STATISTICS .....	-	-	-	-	315	-	315	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION ..	-	-	-	-	1,900	-	1,900	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN .....	-	-	-	-	626	-	626	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	-	-	-	-	5,700	-	5,700	-	-	-
OFFICE OF THE SECRETARY .....	-	-	-	-	900	-	900	-	-	-
DEPARTMENT OF STATE, TOTAL .....	-	-	-	-	1,615	-	300	-	-	1,315
DEPARTMENTAL FUNDS .....	-	-	-	-	1,615	-	300	-	-	1,315

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TABLE C-32. FEDERAL OBLIGATIONS FOR RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRD- POLOGY	ECONDM- ICS	POLITI- CAL SCIENCE	SDCI- DLOGY	SOCIAL SCIENCES NEC
DEPARTMENT OF TRANSPORTATION, TOTAL ..	1,144	-	1,144	-	12,039	-	7,519	-	4,520	-
FEDERAL RAILROAD ADMINISTRATION ....	12	-	12	-	5	-	5	-	-	-
MARITIME ADMINISTRATION .....	500	-	500	-	460	-	460	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	-	-	-	-	9,527	-	5,630	-	3,897	-
OFFICE OF THE SECRETARY .....	-	-	-	-	450	-	450	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	632	-	632	-	1,597	-	974	-	623	-
DEPARTMENT OF THE TREASURY, TOTAL ....	4,309	3,298	1,011	-	3,630	-	3,630	-	-	-
INTERNAL REVENUE SERVICE .....	4,309	3,298	1,011	-	3,630	-	3,630	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	-	-	-	-	1,925	-	963	962	-	-
FEDERAL COMMUNICATIONS COMMISSION ...	-	-	-	-	154	-	146	-	-	8
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	904	723	181	-	2,531	-	904	723	904	-
FEDERAL HOME LOAN BANK BOARD .....	-	-	-	-	1,497	-	1,497	-	-	-
FEDERAL TRADE COMMISSION .....	-	-	-	-	1,300	-	1,300	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	-	-	-	-	35,547	-	-	-	-	35,547
GENERAL SERVICES ADMINISTRATION .....	970	-	970	-	-	-	-	-	-	-
INTERNAT'L DEV COOPERATION AGENCY ....	530	-	530	-	750	-	-	-	400	350
AGENCY FOR INTERNAT'L DEVELOPMENT ..	530	-	530	-	750	-	-	-	400	350
INTERNATIONAL TRADE COMMISSION .....	-	-	-	-	3,994	-	3,994	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	5,230	3,120	1,300	810	200	-	-	-	-	200
NATIONAL SCIENCE FOUNDATION .....	66,147	37,169	28,978	-	32,383	5,950	9,505	2,478	3,278	11,172
SMITHSONIAN INSTITUTION .....	-	-	-	-	18,953	7,285	-	-	-	11,668
US ARMS CONTROL & DISARMAMENT AGENCY .	205	-	160	45	260	-	30	230	-	-

1 THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2 THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-33: FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1981  
(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL	EXTRAMURAL						STATE AND LOCAL GOVTS	FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS		
TOTAL, ALL AGENCIES .....	5,041,295	1,301,827	292,916	73,278	2,503,223	490,565	313,140	8,638	26,530	31,178
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL :....	314,128	202,175	4,184	-	102,901	-	1,163	-	1,687	2,018
AGRICULTURAL RESEARCH SERVICE .....	186,436	163,337	4,179	-	-	-	824	-	1,283	579
COOPERATIVE STATE RESEARCH SERVICE .....	83,852	2,943	-	-	16,234	-	-	-	249	-
ECONOMIC RESEARCH SERVICE .....	3,584	3,416	-	-	80,660	-	-	-	-	-
FOREST SERVICE .....	38,091	31,649	5	-	168	-	339	-	155	104
OFF OF INTERNAT'L COOPERATION & DEV .....	1,703	368	-	-	5,839	-	-	-	-	1,335
OFFICE OF TRANSPORTATION .....	462	462	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	602,544	20,134	7,350	62,221	134,664	369,293	2,371	5,907	45	559
BUREAU OF THE CENSUS .....	438	273	-	-	165	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION .....	200	2	-	-	100	-	98	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 2/ .....	586,340	5,591	7,214	62,221	133,656	369,293	2,273	5,907	45	140
NATIONAL BUREAU OF STANDARDS .....	15,566	14,268	136	-	743	-	-	-	-	419
DEPARTMENT OF DEFENSE, TOTAL .....	604,285	226,036	76,543	281	244,405	29,943	16,835	1,247	64	8,931
DEPARTMENT OF THE ARMY .....	148,089	89,951	15,523	-	36,923	365	3,179	-	64	2,084
DEPARTMENT OF THE NAVY .....	238,000	32,047	16,756	87	119,083	858	5,208	220	-	3,741
DEPARTMENT OF THE AIR FORCE .....	125,800	33,709	20,306	-	63,351	-	5,434	600	-	2,400
DEFENSE AGENCIES .....	92,396	10,329	23,958	194	25,048	28,720	3,014	427	-	706
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	1,900,384	392,956	18,276	9,112	1,205,602	8,585	231,733	814	22,185	11,121
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	116,309	49,365	233	-	49,205	-	14,169	-	2,217	1,120
HEALTH SERVICES ADMINISTRATION .....	3,800	3,800	-	-	-	-	-	-	-	-
HUMAN DEVELOPMENT SERVICES .....	446	46	-	-	130	-	-	-	270	-
NATIONAL INSTITUTES OF HEALTH .....	1,766,788	335,181	16,448	9,112	1,150,213	8,585	216,899	814	19,698	9,838
OFFICE OF ASST'T SECY FOR HEALTH .....	12,441	4,534	1,595	-	5,484	-	665	-	-	163
OFFICE OF THE SECRETARY .....	600	30	-	-	570	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL ....	80,663	69,190	1,357	-	9,325	-	-	-	200	591
BONNEVILLE POWER ADMINISTRATION .....	420	1	419	-	-	-	-	-	-	-
BUREAU OF MINES .....	13,600	13,600	-	-	-	-	-	-	-	-
BUREAU OF RECLAMATION .....	118	66	-	-	52	-	-	-	-	-
GEOLOGICAL SURVEY .....	53,493	50,240	-	-	3,253	-	-	-	-	591
OFFICE OF THE SECRETARY .....	1,514	615	308	-	-	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	7,630	1,050	610	-	5,970	-	-	-	200	-
US FISH & WILDLIFE SERVICE .....	3,888	3,618	20	-	50	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	4,631	353	-	-	1,037	-	2,997	-	150	94
OFF OF JUSTICE ASSIST, RSCH; & STAT .....	4,631	353	-	-	1,037	-	2,997	-	150	94
DEPARTMENT OF LABOR, TOTAL .....	3,740	1,750	-	-	1,218	-	772	-	-	-
EMPLOYMENT & TRAINING ADMIN .....	3,740	1,750	-	-	1,218	-	772	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	1,210	610	600	-	-	-	-	-	-	-
COAST GUARD .....	260	260	-	-	-	-	-	-	-	-
HARITIME ADMINISTRATION .....	650	50	600	-	-	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	300	300	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL ....	2,344	1,581	763	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	2,344	1,581	763	-	-	-	-	-	-	-
OTHER AGENCIES										
CONSUMER PRODUCT SAFETY COMMISSION ...	60	10	50	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	10,500	5,560	2,783	-	2,157	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	2,639	1,267	-	-	1,267	-	105	-	-	-
FEDERAL TRADE COMMISSION .....	935	935	-	-	-	-	-	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 3/	20,576	3,072	700	-	8,250	-	7,718	-	800	36
INTERNATIONAL COMMUNICATION AGENCY ...	104	8	-	-	-	-	96	-	-	-
LIBRARY OF CONGRESS .....	200	200	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	531,122	216,411	160,722	-	124,418	11,775	14,770	562	12	2,452
NATIONAL SCIENCE FOUNDATION .....	896,569	98,620	19,588	1,664	667,979	70,969	34,580	108	1,387	1,674
SMITHSONIAN INSTITUTION .....	44,861	41,159	-	-	-	-	-	-	-	3,702
TENNESSEE VALLEY AUTHORITY .....	4,800	4,800	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION .....	15,000	15,000	-	-	-	-	-	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-34. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL 1/	EXTRAMURAL AND TERRITORIES							STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES			AND TERRITORIES					
			INDUS- TRIAL FIRMS	FFRDCS ADMIN BY INDUS- TRIAL FIRMS	UNIVER- SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON- PROFIT INSTI- TUTIONS	FFRDCS ADMIN BY NON- PROFIT INSTI- TUTIONS			
TOTAL, ALL AGENCIES .....	5,310,848	1,396,174	316,567	80,467	2,618,003	514,245	315,749	8,176	28,366	33,101	
DEPARTMENTS											
DEPARTMENT OF AGRICULTURE, TOTAL .....	332,071	211,976	4,751	-	111,292	-	710	-	1,004	2,338	
AGRICULTURAL RESEARCH SERVICE .....	196,147	171,848	4,746	-	17,731	-	371	-	580	871	
COOPERATIVE STATE RESEARCH SERVICE .....	91,927	3,175	-	-	88,483	-	-	-	269	-	
ECONOMIC RESEARCH SERVICE .....	3,598	3,564	-	-	34	-	-	-	-	-	
FOREST SERVICE .....	38,120	32,473	5	-	5,044	-	339	-	155	104	
OFF OF INTERNAT'L COOPERATION & DEV .....	1,762	399	-	-	-	-	-	-	-	1,363	
OFFICE OF TRANSPORTATION .....	517	517	-	-	-	-	-	-	-	-	
DEPARTMENT OF COMMERCE, TOTAL .....	664,262	23,392	9,628	69,605	141,674	411,800	2,387	5,707	45	24	
BUREAU OF THE CENSUS .....	331	251	-	-	80	-	-	-	-	-	
ECONOMIC DEVELOPMENT ADMINISTRATION ENERGY RESEARCH AND TECHNOLOGY ADMIN 2/ .....	300	2	150	-	-	-	148	-	-	-	
NATIONAL BUREAU OF STANDARDS .....	646,750	7,737	9,042	69,605	140,551	411,800	2,239	5,707	45	24	
NATIONAL BUREAU OF STANDARDS .....	16,881	15,402	436	-	1,043	-	-	-	-	-	
DEPARTMENT OF DEFENSE, TOTAL .....	674,243	242,593	97,448	-	291,485	5,487	24,645	942	89	11,554	
DEPARTMENT OF THE ARMY .....	167,145	96,421	16,390	-	46,278	402	5,225	-	89	2,340	
DEPARTMENT OF THE NAVY .....	280,000	96,778	31,426	-	135,913	696	8,910	125	-	6,152	
DEPARTMENT OF THE AIR FORCE .....	140,400	37,621	22,163	-	72,439	-	5,177	600	-	2,400	
DEFENSE AGENCIES .....	86,698	11,773	27,469	-	36,855	4,389	5,333	217	-	662	
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	1,970,658	410,906	17,567	9,197	1,253,752	8,939	233,480	846	24,421	11,550	
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	124,354	62,819	203	-	48,865	-	9,718	-	1,912	837	
HEALTH SERVICES ADMINISTRATION .....	700	700	-	-	-	-	-	-	-	-	
NATIONAL INSTITUTES OF HEALTH .....	1,839,400	345,620	16,755	9,197	1,201,602	8,939	223,500	846	22,509	10,432	
OFFICE OF ASST'T SECY FOR HEALTH OFFICE OF THE SECRETARY .....	5,804	1,747	609	-	2,905	-	262	-	-	281	
OFFICE OF THE SECRETARY .....	400	20	-	-	380	-	-	-	-	-	
DEPARTMENT OF THE INTERIOR, TOTAL .....	74,163	66,602	979	-	5,812	-	-	-	230	540	
BONNEVILLE POWER ADMINISTRATION .....	500	1	499	-	-	-	-	-	-	-	
BUREAU OF MINES .....	12,900	12,900	-	-	-	-	-	-	-	-	
BUREAU OF RECLAMATION .....	206	206	-	-	-	-	-	-	-	-	
GEOLOGICAL SURVEY .....	52,625	49,313	-	-	3,312	-	-	-	-	-	
OFFICE OF THE SECRETARY .....	594	54	-	-	-	-	-	-	-	540	
OFFICE OF WATER RSCH & TECHNOLOGY .....	3,330	480	450	-	2,400	-	-	-	-	-	
US FISH & WILDLIFE SERVICE .....	4,008	3,648	30	-	100	-	-	-	230	-	
DEPARTMENT OF JUSTICE, TOTAL .....	4,442	233	33	-	1,100	-	2,726	-	350	-	
OFF OF JUSTICE ASSIST. RSCH, & STAT .....	4,442	233	33	-	1,100	-	2,726	-	350	-	
DEPARTMENT OF LABOR, TOTAL .....	3,642	2,300	-	-	1,100	-	242	-	-	-	
EMPLOYMENT & TRAINING ADMIN .....	3,642	2,300	-	-	1,100	-	242	-	-	-	
DEPARTMENT OF TRANSPORTATION, TOTAL .....	900	250	186	-	464	-	-	-	-	-	
MARITIME ADMINISTRATION .....	700	50	186	-	464	-	-	-	-	-	
RESEARCH & SPECIAL PROGRAMS ADMIN .....	200	200	-	-	-	-	-	-	-	-	
DEPARTMENT OF THE TREASURY, TOTAL .....	2,023	1,672	351	-	-	-	-	-	-	-	
INTERNAL REVENUE SERVICE .....	2,023	1,672	351	-	-	-	-	-	-	-	
OTHER AGENCIES											
ENVIRONMENTAL PROTECTION AGENCY .....	14,700	6,806	4,278	-	3,616	-	-	-	-	-	
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	1,438	690	-	-	690	-	58	-	-	-	
FEDERAL TRADE COMMISSION .....	985	985	-	-	-	-	-	-	-	-	
FOUNDATION FOR EDUCATION ASSISTANCE 3/ .....	15,316	2,716	450	-	6,550	-	4,950	-	650	-	
INTERNATIONAL COMMUNICATION AGENCY .....	75	5	-	-	-	-	70	-	-	-	
LIBRARY OF CONGRESS .....	100	100	-	-	-	-	-	-	-	-	
NATIONAL AERONAUTICS & SPACE ADMIN .....	575,282	256,558	158,138	-	125,000	16,580	15,956	562	12	2,476	
NATIONAL SCIENCE FOUNDATION .....	910,794	105,837	22,758	1,665	675,468	71,439	30,525	119	1,565	1,418	
SMITHSONIAN INSTITUTION .....	47,554	44,353	-	-	-	-	-	-	-	3,201	
TENNESSEE VALLEY AUTHORITY .....	5,200	5,200	-	-	-	-	-	-	-	-	
VETERANS ADMINISTRATION .....	13,000	13,000	-	-	-	-	-	-	-	-	

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-35. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1983 (ESTIMATED)  
(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRAMURAL <sup>1</sup>	EXTRAMURAL UNITED STATES AND TERRITORIES							STATE AND LOCAL GOVTS	FOREIGN
			INDUS- TRIAL FIRMS	FFRDCS ADMIN BY INDUS- TRIAL FIRMS	UNIVER- SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON- PROFIT INSTI- TUTIONS	FFRDCS ADMIN BY NON- PROFIT INSTI- TUTIONS			
TOTAL, ALL AGENCIES / .....	5,765,190	1,541,576	383,529	87,788	2,758,870	590,752	329,894	9,389	32,345	31,047	
DEPARTMENTS:											
DEPARTMENT OF AGRICULTURE, TOTAL .....	359,123	232,745	6,175	-	116,202	-	685	-	993	2,323	
AGRICULTURAL RESEARCH SERVICE .....	221,559	193,246	6,170	-	20,275	-	371	-	580	917	
COOPERATIVE STATE RESEARCH SERVICE .....	96,435	3,079	-	-	93,086	-	-	-	270	-	
ECONOMIC RESEARCH SERVICE .....	3,624	3,591	-	-	33	-	-	-	-	-	
FOREST SERVICE .....	35,275	31,909	5	-	2,808	-	314	-	143	96	
OFF OF INTERNAT'L COOPERATION & DEV .....	1,724	414	-	-	-	-	-	-	-	1,310	
OFFICE OF TRANSPORTATION .....	506	506	-	-	-	-	-	-	-	-	
DEPARTMENT OF COMMERCE, TOTAL .....	756,456	30,138	5,378	73,525	162,532	477,400	1,596	5,816	47	24	
BUREAU OF THE CENSUS .....	414	259	-	-	155	-	-	-	-	-	
ENERGY RESEARCH AND TECHNOLOGY ADMIN <sup>2</sup> .....	738,694	13,410	5,242	73,525	161,634	477,400	1,596	5,816	47	24	
NATIONAL BUREAU OF STANDARDS .....	17,348	16,469	136	-	743	-	-	-	-	-	
DEPARTMENT OF DEFENSE, TOTAL .....	782,135	295,361	105,451	-	332,006	7,296	30,557	1,910	90	9,464	
DEPARTMENT OF THE ARMY .....	203,594	103,045	24,194	-	65,879	275	7,378	-	90	2,733	
DEPARTMENT OF THE NAVY .....	305,000	127,003	22,838	-	142,502	788	7,730	1,110	-	3,029	
DEPARTMENT OF THE AIR FORCE .....	164,200	43,998	26,306	-	82,060	-	8,236	800	-	2,800	
DEFENSE AGENCIES .....	109,341	21,315	32,113	-	41,565	6,233	7,213	-	-	902	
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	2,042,332	429,403	19,803	12,484	1,287,469	10,218	240,225	972	28,436	13,322	
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	135,424	71,478	183	-	51,474	-	9,311	-	2,116	862	
HEALTH SERVICES ADMINISTRATION .....	700	700	-	-	-	-	-	-	-	-	
HUMAN DEVELOPMENT SERVICES .....	3,146	46	-	-	600	-	500	-	2,090	-	
NATIONAL INSTITUTES OF HEALTH .....	1,896,700	355,585	19,070	12,484	1,231,855	10,218	230,177	972	24,320	12,019	
OFFICE OF ASST'T SECY FOR HEALTH OFFICE OF THE SECRETARY .....	6,062	1,579	550	-	3,255	-	237	-	-	441	
OFFICE OF THE SECRETARY .....	300	15	-	-	285	-	-	-	-	-	
DEPARTMENT OF THE INTERIOR, TOTAL .....	67,649	62,805	634	-	3,460	-	-	-	250	500	
BONNEVILLE POWER ADMINISTRATION .....	600	1	599	-	-	-	-	-	-	-	
BUREAU OF MINES .....	12,500	12,500	-	-	-	-	-	-	-	-	
BUREAU OF RECLAMATION .....	160	160	-	-	-	-	-	-	-	-	
GEOLOGICAL SURVEY .....	50,018	46,708	-	-	3,310	-	-	-	-	500	
OFFICE OF THE SECRETARY .....	50	50	-	-	-	-	-	-	-	-	
US FISH & WILDLIFE SERVICE .....	3,821	3,386	35	-	150	-	-	-	250	-	
DEPARTMENT OF JUSTICE, TOTAL .....	3,801	200	301	-	1,000	-	2,150	-	150	-	
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	3,801	200	301	-	1,000	-	2,150	-	150	-	
DEPARTMENT OF TRANSPORTATION, TOTAL ..	700	200	-	-	500	-	-	-	-	-	
MARITIME ADMINISTRATION .....	700	200	-	-	500	-	-	-	-	-	
DEPARTMENT OF THE TREASURY, TOTAL .....	3,114	2,013	1,101	-	-	-	-	-	-	-	
INTERNAL REVENUE SERVICE .....	3,114	2,013	1,101	-	-	-	-	-	-	-	
OTHER AGENCIES											
ENVIRONMENTAL PROTECTION AGENCY .....	9,800	4,871	3,388	-	1,541	-	-	-	-	-	
FEDERAL TRADE COMMISSION .....	1,105	1,105	-	-	-	-	-	-	-	-	
FOUNDATION FOR EDUCATION ASSISTANCE <sup>3</sup> /	15,466	2,716	450	-	6,650	-	5,000	-	650	-	
LIBRARY OF CONGRESS .....	100	100	-	-	-	-	-	-	-	-	
NATIONAL AERONAUTICS & SPACE ADMIN ...	677,223	291,318	222,060	-	125,000	18,004	17,791	562	12	2,476	
NATIONAL SCIENCE FOUNDATION .....	975,555	120,070	18,788	1,779	722,510	77,834	31,890	129	1,717	838	
SMITHSONIAN INSTITUTION .....	51,031	48,931	-	-	-	-	-	-	-	2,100	
TENNESSEE VALLEY AUTHORITY .....	5,700	5,700	-	-	-	-	-	-	-	-	
VETERANS ADMINISTRATION .....	13,900	13,900	-	-	-	-	-	-	-	-	

- 1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.
  - 2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.
  - 3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.
- SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-36. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY DETAILED FIELD OF SCIENCE:  
FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1981	ESTIMATES	
		1982	1983
TOTAL, ALL FIELDS .....	5,041,295	5,310,848	5,765,190
LIFE SCIENCES, TOTAL .....	2,223,848	2,329,982	2,428,309
BIOLOGICAL (EXCLUDING ENVIRONMENTAL) .....	1,201,686	1,254,868	1,296,539
ENVIRONMENTAL BIOLOGY .....	83,299	87,126	91,372
AGRICULTURAL .....	177,387	190,724	212,651
MEDICAL .....	706,205	739,991	768,843
LIFE SCIENCES, NEC .....	55,271	57,273	58,904
PSYCHOLOGY, TOTAL .....	90,992	92,248	99,963
BIOLOGICAL ASPECTS .....	30,545	30,991	32,702
SOCIAL ASPECTS .....	30,211	31,456	35,664
PSYCHOLOGICAL SCIENCES, NEC .....	30,236	29,801	31,597
PHYSICAL SCIENCES, TOTAL .....	1,324,940	1,432,036	1,650,350
ASTRONOMY .....	274,227	313,550	379,073
CHEMISTRY .....	298,188	322,575	348,721
PHYSICS .....	735,417	778,228	905,191
PHYSICAL SCIENCES, NEC .....	17,108	17,683	17,365
ENVIRONMENTAL SCIENCES, TOTAL .....	532,833	523,715	559,365
ATMOSPHERIC .....	173,829	173,177	188,879
GEOLOGICAL .....	194,205	180,881	182,217
OCEANOGRAPHY .....	143,294	151,381	173,309
ENVIRONMENTAL SCIENCES, NEC .....	21,505	18,276	14,960
MATHEMATICS & COMPUTER SCIENCES, TOTAL .....	140,360	164,938	185,538
MATHEMATICS .....	79,174	91,135	100,709
COMPUTER SCIENCES .....	52,205	65,229	73,033
MATHEMATICS & COMPUTER SCIENCES, NEC .....	8,981	8,574	11,796
ENGINEERING, TOTAL .....	526,018	587,872	655,347
AERONAUTICAL .....	113,284	119,189	136,023
ASTRONAUTICAL .....	33,179	45,107	48,132
CHEMICAL .....	31,330	35,478	40,369
CIVIL .....	23,362	26,142	22,625
ELECTRICAL .....	78,508	86,910	103,833
MECHANICAL .....	47,378	52,563	63,266
METALLURGY & MATERIALS .....	138,480	156,690	175,226
ENGINEERING, NEC .....	60,497	65,793	65,873
SOCIAL SCIENCES, TOTAL .....	136,451	121,470	124,323
ANTHROPOLOGY .....	13,078	14,070	13,516
ECONOMICS .....	34,112	33,368	29,653
POLITICAL SCIENCE .....	6,286	4,966	4,649
SOCIOLOGY .....	22,593	18,290	18,956
SOCIAL SCIENCES, NEC .....	60,882	50,776	57,549
OTHER SCIENCES, NEC .....	65,353	58,587	61,995

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-37. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1981  
(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES .....	5,041,295	2,223,848	90,992	1,324,940	532,833	140,360	526,018	136,951	65,353
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	314,128	235,268	-	33,692	4,776	2,623	16,548	21,221	-
AGRICULTURAL RESEARCH SERVICE .....	186,436	145,645	-	27,709	1,189	1,785	9,346	762	-
COOPERATIVE STATE RESEARCH SERVICE .....	83,852	62,623	-	3,393	425	-	2,326	15,085	-
ECONOMIC RESEARCH SERVICE .....	3,584	-	-	-	-	-	-	3,584	-
FOREST SERVICE .....	38,091	24,835	-	2,590	3,162	838	4,876	1,790	-
OFF OF INTERNAT'L COOPERATION & DEV .....	1,703	1,703	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION .....	462	462	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	602,544	31,642	84	492,790	9,394	12,744	55,690	200	-
BUREAU OF THE CENSUS .....	438	-	84	-	-	354	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION .....	200	-	-	-	-	-	-	200	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	586,340	31,642	-	480,222	9,394	11,221	53,661	-	-
NATIONAL BUREAU OF STANDARDS .....	15,566	-	-	12,568	-	1,169	1,829	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	604,285	55,320	18,926	194,888	81,557	59,320	188,146	3,961	2,167
DEPARTMENT OF THE ARMY .....	148,089	31,019	4,514	49,496	10,469	8,033	44,409	149	-
DEPARTMENT OF THE NAVY .....	238,000	17,148	5,800	79,688	58,711	18,677	55,502	2,474	-
DEPARTMENT OF THE AIR FORCE .....	125,800	5,857	5,985	32,346	10,628	10,750	60,234	-	-
DEFENSE AGENCIES .....	92,396	1,296	2,627	33,358	1,749	21,860	28,001	1,338	2,167
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	1,900,384	1,685,098	58,985	53,244	-	5,213	28,273	33,187	36,384
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	116,309	66,635	34,652	422	-	-	35	10,321	4,244
HEALTH SERVICES ADMINISTRATION .....	3,800	3,800	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	1,766,788	1,614,663	24,333	52,822	-	5,110	28,238	9,482	32,140
HUMAN DEVELOPMENT SERVICES .....	446	-	-	-	-	-	-	446	-
OFFICE OF ASST'T SECY FOR HEALTH .....	12,441	-	-	-	-	103	-	12,338	-
OFFICE OF THE SECRETARY .....	600	-	-	-	-	-	-	600	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	80,663	5,868	-	10,080	53,666	2,507	7,488	1,054	-
BONNEVILLE POWER ADMINISTRATION .....	420	-	-	-	-	-	420	-	-
BUREAU OF MINES .....	13,600	-	-	5,400	1,450	1,100	5,650	-	-
BUREAU OF RECLAMATION .....	118	-	-	-	-	-	118	-	-
GEOLOGICAL SURVEY .....	53,493	-	-	3,000	49,493	1,000	-	-	-
OFFICE OF THE SECRETARY .....	1,514	-	-	-	1,193	107	-	214	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	7,630	1,980	-	1,680	1,530	300	1,300	840	-
US FISH & WILDLIFE SERVICE .....	3,888	3,888	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	4,631	-	966	-	-	-	-	3,665	-
OFF OF JUSTICE ASSIST. RSCH. & STAT .....	4,631	-	966	-	-	-	-	3,665	-
DEPARTMENT OF LABOR, TOTAL .....	3,740	-	-	-	-	-	-	3,740	-
EMPLOYMENT & TRAINING ADMIN .....	3,740	-	-	-	-	-	-	3,740	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	1,210	-	-	-	260	-	950	-	-
COAST GUARD .....	260	-	-	-	260	-	-	-	-
MARITIME ADMINISTRATION .....	650	-	-	-	-	-	650	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	300	-	-	-	-	-	300	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	2,344	-	-	-	-	258	-	2,086	-
INTERNAL REVENUE SERVICE .....	2,344	-	-	-	-	258	-	2,086	-
OTHER AGENCIES									
CONSUMER PRODUCT SAFETY COMMISSION ..	60	60	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	10,500	5,063	-	2,908	2,529	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	2,639	234	-	2,405	-	-	-	-	-
FEDERAL TRADE COMMISSION .....	935	-	-	-	-	-	-	935	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/ ..	20,576	-	-	-	-	-	-	20,576	-
INTERNATIONAL COMMUNICATION AGENCY ..	104	-	-	-	-	-	-	104	-
LIBRARY OF CONGRESS .....	200	-	-	-	-	-	-	-	200
NATIONAL AERONAUTICS & SPACE ADMIN ...	531,122	10,409	864	268,874	118,196	1,934	128,682	199	1,964
NATIONAL SCIENCE FOUNDATION .....	896,569	161,787	10,066	254,815	259,308	55,761	100,241	29,953	24,638
SMITHSONIAN INSTITUTION .....	44,861	17,500	-	8,144	3,147	-	-	16,070	-
TENNESSEE VALLEY AUTHORITY .....	4,800	1,700	-	3,100	-	-	-	-	-
VETERANS ADMINISTRATION .....	15,000	13,899	1,101	-	-	-	-	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-38. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)  
(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES .....	5,310,848	2,329,982	92,248	1,432,036	523,715	164,938	587,872	121,470	58,587
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	332,071	248,909	-	36,857	4,929	1,393	17,503	22,480	-
AGRICULTURAL RESEARCH SERVICE .....	196,147	153,502	-	30,485	1,293	555	10,030	282	-
COOPERATIVE STATE RESEARCH SERVICE ..	91,927	68,273	-	3,780	473	-	2,592	16,809	-
ECONOMIC RESEARCH SERVICE .....	3,598	-	-	-	-	-	-	3,598	-
FOREST SERVICE .....	38,120	24,855	-	2,592	3,163	838	4,881	1,791	-
OFF OF INTERNAT'L COOPERATION & DEV .....	1,762	1,762	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION .....	517	517	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	664,262	35,046	63	546,167	9,720	12,551	60,415	300	-
BUREAU OF THE CENSUS .....	331	-	63	-	-	268	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	300	-	-	-	-	-	-	300	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	646,750	35,046	-	531,699	9,600	11,600	58,805	-	-
NATIONAL BUREAU OF STANDARDS .....	16,881	-	-	14,468	120	683	1,610	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	674,243	72,963	19,820	180,898	92,425	80,594	222,217	4,137	1,189
DEPARTMENT OF THE ARMY .....	167,145	43,610	4,115	51,679	10,275	8,598	48,700	168	-
DEPARTMENT OF THE NAVY .....	280,000	18,698	7,190	91,451	68,207	22,611	69,953	1,890	-
DEPARTMENT OF THE AIR FORCE .....	140,400	8,441	6,586	34,466	11,587	12,953	66,367	-	-
DEFENSE AGENCIES .....	86,698	2,214	1,929	3,302	2,356	36,432	37,197	2,079	1,189
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	1,970,658	1,755,345	60,833	55,909	-	5,578	29,431	25,662	37,900
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	124,354	73,622	35,500	916	-	-	32	9,844	4,440
HEALTH SERVICES ADMINISTRATION .....	700	700	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	1,839,400	1,681,023	25,333	54,993	-	5,320	29,399	9,872	33,460
OFFICE OF ASST'T SECY FOR HEALTH .....	5,804	-	-	-	-	258	-	5,546	-
OFFICE OF THE SECRETARY .....	400	-	-	-	-	-	-	400	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	74,163	4,738	-	8,640	50,824	2,075	7,276	610	-
BONNEVILLE POWER ADMINISTRATION .....	500	-	-	-	-	-	500	-	-
BUREAU OF MINES .....	12,900	-	-	5,500	900	900	5,600	-	-
BUREAU OF RECLAMATION .....	206	-	-	-	-	-	206	-	-
GEOLOGICAL SURVEY .....	52,625	-	-	2,790	48,905	930	-	-	-
OFFICE OF THE SECRETARY .....	594	-	-	-	189	135	-	270	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	3,330	730	-	350	830	110	970	340	-
US FISH & WILDLIFE SERVICE .....	4,008	4,008	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	4,442	-	947	-	-	-	-	3,495	-
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	4,442	-	947	-	-	-	-	3,495	-
DEPARTMENT OF LABOR, TOTAL .....	3,642	-	-	-	-	-	-	3,642	-
EMPLOYMENT & TRAINING ADMIN .....	3,642	-	-	-	-	-	-	3,642	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	900	-	-	-	-	-	900	-	-
MARITIME ADMINISTRATION .....	700	-	-	-	-	-	700	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	200	-	-	-	-	-	200	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	2,023	-	-	-	-	971	-	1,052	-
INTERNAL REVENUE SERVICE .....	2,023	-	-	-	-	971	-	1,052	-
OTHER AGENCIES									
ENVIRONMENTAL PROTECTION AGENCY .....	14,700	5,663	-	5,347	3,690	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	1,438	129	-	1,309	-	-	-	-	-
FEDERAL TRADE COMMISSION .....	985	-	-	-	-	-	-	985	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/ ..	15,316	-	-	-	-	-	-	15,316	-
INTERNATIONAL COMMUNICATION AGENCY ...	75	-	-	-	-	-	-	75	-
LIBRARY OF CONGRESS .....	100	-	-	-	-	-	-	-	100
NATIONAL AERONAUTICS & SPACE ADMIN ...	575,282	10,439	850	316,390	100,097	1,900	143,406	200	2,000
NATIONAL SCIENCE FOUNDATION .....	910,794	165,231	7,929	268,816	258,676	59,876	106,724	26,144	17,398
SMITHSONIAN INSTITUTION .....	47,554	18,525	-	8,303	3,354	-	-	17,372	-
TENNESSEE VALLEY AUTHORITY .....	5,200	1,800	-	3,400	-	-	-	-	-
VETERANS ADMINISTRATION .....	13,000	11,194	1,806	-	-	-	-	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-39. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)  
(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON- MENTAL SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES	ENGI- NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES .....	5,765,190	2,428,309	99,963	1,650,350	559,365	185,538	655,347	124,323	61,995
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	359,123	272,042	-	40,511	4,849	1,403	18,365	21,953	-
AGRICULTURAL RESEARCH SERVICE .....	221,559	173,390	-	34,434	1,460	627	11,329	319	-
COOPERATIVE STATE RESEARCH SERVICE ..	96,435	73,423	-	3,678	461	-	2,521	16,352	-
ECONOMIC RESEARCH SERVICE .....	3,624	-	-	-	-	-	-	3,624	-
FOREST SERVICE .....	35,275	22,999	-	2,399	2,928	776	4,515	1,658	-
OFF OF INTERNAT'L COOPERATION & DEV .....	1,724	1,724	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION .....	506	506	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	756,456	28,320	79	634,211	11,850	14,908	67,088	-	-
BUREAU OF THE CENSUS .....	414	-	79	-	-	335	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	738,694	28,320	-	619,564	11,850	13,850	65,110	-	-
NATIONAL BUREAU OF STANDARDS .....	17,348	-	-	14,647	-	723	1,978	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	782,135	79,619	23,375	208,362	110,236	93,751	259,818	5,517	1,457
DEPARTMENT OF THE ARMY .....	203,594	49,881	5,559	60,441	13,053	11,252	62,476	87	865
DEPARTMENT OF THE NAVY .....	305,000	18,563	8,564	101,327	72,890	28,112	73,177	2,367	-
DEPARTMENT OF THE AIR FORCE .....	164,200	9,101	6,388	42,102	12,725	16,426	77,458	-	-
DEFENSE AGENCIES .....	109,341	2,074	2,864	4,492	-	37,961	46,707	3,083	592
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	2,042,332	1,813,901	65,206	57,769	-	5,906	30,349	29,930	39,271
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	135,424	79,811	39,084	1,063	-	-	35	10,663	4,768
HEALTH SERVICES ADMINISTRATION .....	700	700	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	1,896,700	1,733,390	26,122	56,706	-	5,486	30,314	10,179	34,503
HUMAN DEVELOPMENT SERVICES .....	3,146	-	-	-	-	-	-	3,146	-
OFFICE OF ASST'T SECY FOR HEALTH .....	6,062	-	-	-	-	420	-	5,642	-
OFFICE OF THE SECRETARY .....	300	-	-	-	-	-	-	300	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	67,649	3,821	-	8,140	47,473	2,005	5,960	250	-
BONNEVILLE POWER ADMINISTRATION ....	600	-	-	-	-	-	600	-	-
BUREAU OF MINES .....	12,500	-	-	5,500	800	1,000	5,200	-	-
BUREAU OF RECLAMATION .....	160	-	-	-	-	-	160	-	-
GEOLOGICAL SURVEY .....	50,018	-	-	2,640	46,498	880	-	-	-
OFFICE OF THE SECRETARY .....	550	-	-	-	175	125	-	250	-
US FISH & WILDLIFE SERVICE .....	3,821	3,821	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	3,801	-	850	-	-	-	-	2,951	-
OFF OF JUSTICE ASSIST. RSCH, & STAT ..	3,801	-	850	-	-	-	-	2,951	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	700	-	-	-	-	-	700	-	-
MARITIME ADMINISTRATION .....	700	-	-	-	-	-	700	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	3,114	-	-	-	-	1,495	-	1,619	-
INTERNAL REVENUE SERVICE .....	3,114	-	-	-	-	1,495	-	1,619	-
OTHER AGENCIES									
ENVIRONMENTAL PROTECTION AGENCY .....	9,800	4,715	-	2,631	2,454	-	-	-	-
FEDERAL TRADE COMMISSION .....	1,105	-	-	-	-	-	-	1,105	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	15,466	-	-	-	-	-	-	15,466	-
LIBRARY OF CONGRESS .....	100	-	-	-	-	-	-	-	100
NATIONAL AERONAUTICS & SPACE ADMIN ...	677,223	13,882	850	404,407	94,199	1,900	159,785	200	2,000
NATIONAL SCIENCE FOUNDATION .....	975,555	177,510	8,372	281,966	284,709	64,170	113,282	26,379	19,167
SMITHSONIAN INSTITUTION .....	51,031	19,830	-	8,653	3,595	-	-	18,953	-
TENNESSEE VALLEY AUTHORITY .....	5,700	2,000	-	3,700	-	-	-	-	-
VETERANS ADMINISTRATION .....	13,900	12,669	1,231	-	-	-	-	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-40. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGICAL	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES .....	90,992	30,545	30,211	30,236	2,223,848	1,201,686	83,299	177,387	706,205	55,271
. DÉPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	-	-	-	-	235,268	38,424	16,327	175,921	4,596	-
AGRICULTURAL RESEARCH SERVICE .....	-	-	-	-	145,645	17,234	5,014	121,871	1,526	-
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	-	-	62,623	7,668	-	51,885	3,070	-
FOREST SERVICE .....	-	-	-	-	24,835	13,522	11,313	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV .....	-	-	-	-	1,703	-	-	1,703	-	-
OFFICE OF TRANSPORTATION .....	-	-	-	-	462	-	-	462	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	84	-	84	-	31,642	31,442	-	-	-	200
BUREAU OF THE CENSUS .....	84	-	84	-	-	-	-	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	-	-	-	-	31,642	31,442	-	-	-	200
DEPARTMENT OF DEFENSE, TOTAL .....	18,926	280	15,610	3,036	55,320	18,833	4,096	-	32,391	-
DEPARTMENT OF THE ARMY .....	4,514	102	2,207	2,205	31,019	2,499	296	-	28,224	-
DEPARTMENT OF THE NAVY .....	5,800	-	5,800	-	17,148	12,434	1,843	-	2,871	-
DEPARTMENT OF THE AIR FORCE .....	5,985	-	5,985	-	5,857	3,900	1,957	-	-	-
DEFENSE AGENCIES .....	2,627	178	1,618	831	1,296	-	-	-	1,296	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	58,985	21,588	10,863	26,534	1,685,098	976,095	67	-	656,081	52,855
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	34,652	21,588	10,863	2,201	66,635	50,156	67	-	14,164	2,248
HEALTH SERVICES ADMINISTRATION .....	-	-	-	-	3,800	-	-	-	3,800	-
NATIONAL INSTITUTES OF HEALTH .....	24,033	-	-	24,333	1,614,663	925,939	-	-	638,117	50,607
DEPARTMENT OF THE INTERIOR, TOTAL .....	-	-	-	-	5,868	3,958	800	1,110	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	-	-	-	-	1,980	70	800	1,110	-	-
US FISH & WILDLIFE SERVICE .....	-	-	-	-	3,888	3,888	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	966	200	766	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	966	200	766	-	-	-	-	-	-	-
OTHER AGENCIES										
CONSUMER PRODUCT SAFETY COMMISSION .....	-	-	-	-	60	60	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	-	-	-	-	5,063	-	5,063	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	-	-	-	-	234	234	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN .....	864	128	99	637	10,409	6,191	45,494	349	1,238	2,137
NATIONAL SCIENCE FOUNDATION .....	10,066	7,249	2,788	29	161,787	116,285	45,416	7	-	79
SMITHSONIAN INSTITUTION .....	-	-	-	-	17,500	6,464	11,036	-	-	-
TENNESSEE VALLEY AUTHORITY .....	-	-	-	-	1,700	1,700	-	-	-	-
VETERANS ADMINISTRATION .....	1,101	1,100	1	-	13,899	2,000	-	-	11,899	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-41. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES .....	92,248	30,991	31,456	29,801	2,329,982	1,254,868	87,126	190,724	739,991	57,273
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	-	-	-	-	248,909	37,159	16,743	190,094	4,913	-
AGRICULTURAL RESEARCH SERVICE .....	-	-	-	-	153,502	15,453	5,421	131,136	1,492	-
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	-	-	68,273	8,173	-	56,679	3,421	-
FOREST SERVICE .....	-	-	-	-	24,855	13,533	11,322	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV .....	-	-	-	-	1,762	-	-	1,762	-	-
OFFICE OF TRANSPORTATION .....	-	-	-	-	517	-	-	517	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	63	-	63	-	35,046	34,946	-	-	-	100
BUREAU OF THE CENSUS .....	63	-	63	-	-	-	-	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	-	-	-	-	35,046	34,946	-	-	-	100
DEPARTMENT OF DEFENSE, TOTAL .....	19,820	155	17,934	1,731	72,963	24,554	4,555	-	43,854	-
DEPARTMENT OF THE ARMY .....	4,115	155	2,475	1,485	43,610	4,125	380	-	39,105	-
DEPARTMENT OF THE NAVY .....	7,190	-	7,190	-	18,698	13,673	1,974	-	3,051	-
DEPARTMENT OF THE AIR FORCE .....	6,586	-	6,586	-	8,441	6,240	2,201	-	-	-
DEFENSE AGENCIES .....	1,929	-	1,683	246	2,214	516	-	-	1,698	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	60,833	22,168	11,220	27,445	1,755,345	1,020,194	74	-	680,004	55,073
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	35,500	22,168	11,220	2,112	73,622	56,201	74	-	14,961	2,386
HEALTH SERVICES ADMINISTRATION .....	-	-	-	-	700	-	-	-	700	-
NATIONAL INSTITUTES OF HEALTH .....	25,333	-	-	25,333	1,681,023	963,993	-	-	664,343	52,687
DEPARTMENT OF THE INTERIOR, TOTAL .....	-	-	-	-	4,738	4,088	370	280	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	-	-	-	-	730	80	370	280	-	-
US FISH & WILDLIFE SERVICE .....	-	-	-	-	4,008	4,008	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	947	250	697	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	947	250	697	-	-	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	-	-	-	-	5,663	-	5,663	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	-	-	-	-	129	129	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ..	850	125	100	625	10,439	6,189	500	350	1,300	2,100
NATIONAL SCIENCE FOUNDATION .....	7,929	6,488	1,441	-	165,231	117,360	47,871	-	-	-
SMITHSONIAN INSTITUTION .....	-	-	-	-	18,525	7,175	11,350	-	-	-
TENNESSEE VALLEY AUTHORITY .....	-	-	-	-	1,800	1,800	-	-	-	-
VETERANS ADMINISTRATION .....	1,806	1,805	1	-	11,194	1,274	-	-	9,920	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-42. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES .....	99,963	32,702	35,664	31,597	2,428,309	1,296,539	91,372	212,651	768,843	58,904
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	-	-	-	-	272,042	38,127	16,599	212,301	5,015	-
AGRICULTURAL RESEARCH SERVICE .....	-	-	-	-	173,390	17,455	6,123	148,125	1,687	-
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	-	-	73,423	8,149	-	61,946	3,328	-
FOREST SERVICE .....	-	-	-	-	22,999	12,523	10,476	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV .....	-	-	-	-	1,724	-	-	1,724	-	-
OFFICE OF TRANSPORTATION .....	-	-	-	-	506	-	-	506	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	79	-	79	-	28,320	28,320	-	-	-	-
BUREAU OF THE CENSUS .....	79	-	79	-	-	-	-	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	-	-	-	-	28,320	28,320	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	23,375	281	20,566	2,528	79,619	23,922	5,955	-	49,742	-
DEPARTMENT OF THE ARMY .....	5,559	155	3,002	2,402	49,881	4,603	450	-	44,828	-
DEPARTMENT OF THE NAVY .....	8,564	-	8,564	-	18,563	13,086	2,304	-	3,173	-
DEPARTMENT OF THE AIR FORCE .....	6,388	-	6,388	-	9,101	5,900	3,201	-	-	-
DEFENSE AGENCIES .....	2,864	126	2,612	126	2,074	333	-	-	1,741	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	65,206	23,888	12,874	28,444	1,813,901	1,054,574	76	-	702,447	56,804
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	39,084	23,888	12,874	2,322	79,811	60,550	76	-	16,709	2,476
HEALTH SERVICES ADMINISTRATION .....	-	-	-	-	700	-	-	-	700	-
NATIONAL INSTITUTES OF HEALTH .....	26,122	-	-	26,122	1,733,390	994,024	-	-	685,038	54,328
DEPARTMENT OF THE INTERIOR, TOTAL .....	-	-	-	-	3,821	3,821	-	-	-	-
US FISH & WILDLIFE SERVICE .....	-	-	-	-	3,821	3,821	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	850	350	500	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	850	350	500	-	-	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	-	-	-	-	4,715	-	4,715	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	850	125	100	625	13,882	9,632	500	350	1,300	2,100
NATIONAL SCIENCE FOUNDATION .....	8,372	6,828	1,544	-	177,510	125,728	51,782	-	-	-
SMITHSONIAN INSTITUTION .....	-	-	-	-	19,830	8,085	11,745	-	-	-
TENNESSEE VALLEY AUTHORITY .....	-	-	-	-	2,000	2,000	-	-	-	-
VETERANS ADMINISTRATION .....	1,231	1,230	1	-	12,669	2,330	-	-	10,339	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-43. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEM- ISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOS- PHERIC	GEO- LOGICAL	OCEAN- OGRAPHY	ENVIRON- MENTAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	1,324,940	274,227	298,188	735,417	17,108	532,833	173,829	194,205	143,294	21,505
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	33,692	-	31,821	1,871	-	4,776	2,193	2,583	-	-
AGRICULTURAL RESEARCH SERVICE .....	27,709	-	26,485	1,224	-	1,189	930	259	-	-
COOPERATIVE STATE RESEARCH SERVICE ..	3,393	-	3,393	-	-	425	425	-	-	-
FOREST SERVICE .....	2,590	-	1,943	647	-	3,162	838	2,324	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	492,790	365	72,867	419,058	500	9,394	-	9,094	-	300
ENERGY RESEARCH AND TECHNOLOGY ADMIN .....	480,222	-	69,984	409,738	500	9,394	-	9,094	-	300
NATIONAL BUREAU OF STANDARDS .....	12,568	365	2,883	9,320	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	194,888	13,390	43,475	128,368	9,655	81,557	20,805	12,777	40,026	8,319
DEPARTMENT OF THE ARMY .....	49,496	-	14,482	26,565	8,449	10,469	6,565	3,538	-	366
DEPARTMENT OF THE NAVY .....	79,688	8,582	15,890	55,216	-	58,711	5,691	5,283	39,784	7,953
DEPARTMENT OF THE AIR FORCE .....	32,346	4,808	12,907	14,631	-	10,628	8,549	2,079	-	-
DEFENSE AGENCIES .....	33,358	-	196	31,956	1,206	1,749	-	1,507	242	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	53,244	-	47,992	5,252	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	422	-	422	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	52,822	-	47,570	5,252	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	10,080	-	6,750	1,130	2,200	53,666	30	49,803	2,640	1,193
BUREAU OF MINES .....	5,400	-	3,200	-	2,200	1,450	-	1,450	-	-
GEOLOGICAL SURVEY .....	3,000	-	2,000	1,000	-	49,493	-	47,053	2,440	-
OFFICE OF THE SECRETARY .....	-	-	-	-	-	1,193	-	-	-	1,193
OFFICE OF WATER RSCH & TECHNOLOGY ..	1,680	-	1,550	130	-	1,530	30	1,300	200	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	-	-	-	-	-	260	-	-	-	260
COAST GUARD .....	-	-	-	-	-	260	-	-	-	260
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	2,908	-	2,908	-	-	2,529	1,362	894	273	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	2,405	-	1,185	1,220	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	268,874	193,249	6,615	64,916	4,094	118,196	62,672	48,480	3,602	3,442
NATIONAL SCIENCE FOUNDATION .....	254,815	59,079	81,475	113,602	659	259,308	86,667	68,810	95,840	7,991
SMITHSONIAN INSTITUTION .....	8,144	8,144	-	-	-	3,147	100	2,134	913	-
TENNESSEE VALLEY AUTHORITY .....	3,100	-	3,100	-	-	-	-	-	-	-

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-44. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	1,432,036	313,550	322,575	778,228	17,683	523,715	173,177	180,881	151,381	18,276
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	36,857	-	35,103	1,754	-	4,929	2,320	2,609	-	-
AGRICULTURAL RESEARCH SERVICE .....	30,485	-	29,379	1,106	-	1,293	1,009	284	-	-
COOPERATIVE STATE RESEARCH SERVICE .....	3,780	-	3,780	-	-	473	473	-	-	-
FOREST SERVICE .....	2,592	-	1,944	648	-	3,163	838	2,325	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	546,167	417	83,933	461,317	500	9,720	-	9,500	-	220
ENERGY RESEARCH AND TECHNOLOGY ADMIN .....	531,699	-	78,881	452,318	500	9,600	-	9,500	-	100
NATIONAL BUREAU OF STANDARDS .....	14,468	417	5,052	8,999	-	120	-	-	-	120
DEPARTMENT OF DEFENSE, TOTAL .....	180,898	15,792	48,433	105,801	10,872	92,425	21,583	13,294	47,729	9,819
DEPARTMENT OF THE ARMY .....	51,679	-	16,693	25,796	9,190	10,275	6,725	3,221	-	329
DEPARTMENT OF THE NAVY .....	91,451	10,412	17,612	63,427	-	68,207	5,854	5,523	47,346	9,484
DEPARTMENT OF THE AIR FORCE .....	34,466	5,380	14,128	14,958	-	11,587	9,004	2,583	-	-
DEFENSE AGENCIES .....	3,302	-	-	1,620	1,682	2,356	-	1,967	383	6
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	55,909	-	50,441	5,468	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	916	-	916	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	54,993	-	49,525	5,468	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	8,640	-	5,830	1,010	1,800	50,824	30	48,151	2,454	189
BUREAU OF MINES .....	5,500	-	3,700	-	1,800	900	-	900	-	-
GEOLOGICAL SURVEY .....	2,790	-	1,860	930	-	48,905	-	46,541	2,364	-
OFFICE OF THE SECRETARY .....	-	-	-	-	-	189	-	-	-	189
OFFICE OF WATER RSCH & TECHNOLOGY .....	350	-	270	80	-	830	30	710	90	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	5,347	-	5,347	-	-	3,690	918	1,652	1,120	2
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	1,309	-	647	662	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN .....	316,390	225,502	4,066	82,697	4,125	100,097	59,746	34,308	2,543	3,500
NATIONAL SCIENCE FOUNDATION .....	268,816	63,536	85,375	119,519	386	258,676	88,483	69,026	96,619	4,548
SMITHSONIAN INSTITUTION .....	8,303	8,303	-	-	-	3,354	97	2,341	916	-
TENNESSEE VALLEY AUTHORITY .....	3,400	-	3,400	-	-	-	-	-	-	-

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-45. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	1,650,350	379,073	348,721	905,191	17,365	559,365	188,879	182,217	173,309	14,960
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	40,511	-	38,662	1,849	-	4,849	2,377	2,472	-	-
AGRICULTURAL RESEARCH SERVICE .....	34,434	-	33,185	1,249	-	1,460	1,140	320	-	-
COOPERATIVE STATE RESEARCH SERVICE .....	3,678	-	3,678	-	-	461	461	-	-	-
FOREST SERVICE .....	2,399	-	1,799	600	-	2,928	776	2,152	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	634,211	441	91,213	542,557	-	11,850	-	11,850	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1 .....	619,564	-	86,606	532,958	-	11,850	-	11,850	-	-
NATIONAL BUREAU OF STANDARDS .....	14,647	441	4,607	9,599	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	208,362	15,813	59,851	121,642	11,056	110,236	24,902	13,790	59,221	12,323
DEPARTMENT OF THE ARMY .....	60,441	-	20,042	31,678	8,721	13,053	8,611	4,092	-	350
DEPARTMENT OF THE NAVY .....	101,327	9,896	20,049	71,382	-	72,890	6,217	6,151	48,549	11,973
DEPARTMENT OF THE AIR FORCE .....	42,102	5,917	19,760	16,425	-	12,725	10,074	2,651	-	-
DEFENSE AGENCIES .....	4,492	-	-	2,157	2,335	11,568	-	896	10,672	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	57,769	-	52,131	5,638	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	1,063	-	1,063	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	56,706	-	51,068	5,638	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	8,140	-	5,460	880	1,800	47,473	-	44,857	2,441	175
BUREAU OF MINES .....	5,500	-	3,700	-	1,800	800	-	800	-	-
GEOLOGICAL SURVEY .....	2,640	-	1,760	880	-	46,498	-	44,057	2,441	-
OFFICE OF THE SECRETARY .....	-	-	-	-	-	175	-	-	-	175
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	2,631	-	2,631	-	-	2,454	873	1,206	375	-
NATIONAL AERONAUTICS & SPACE ADMIN .....	404,407	286,680	5,500	108,102	4,125	94,199	60,027	30,129	2,879	1,164
NATIONAL SCIENCE FOUNDATION .....	281,966	67,486	89,573	124,523	384	284,709	100,596	75,321	107,494	1,298
SMITHSONIAN INSTITUTION .....	8,653	8,653	-	-	-	3,595	104	2,592	899	-
TENNESSEE VALLEY AUTHORITY .....	3,700	-	3,700	-	-	-	-	-	-	-

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-46. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES .....	526,018	113,284	33,179	31,330	23,362	78,508	47,378	138,480	60,497
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	16,548	-	-	2,441	1,087	61	1,157	-	11,802
AGRICULTURAL RESEARCH SERVICE .....	9,346	-	-	1,107	592	61	281	-	7,305
COOPERATIVE STATE RESEARCH SERVICE .....	2,326	-	-	-	-	-	-	-	2,326
FOREST SERVICE .....	4,876	-	-	1,334	495	-	876	-	2,171
DEPARTMENT OF COMMERCE, TOTAL .....	55,690	-	-	2,183	-	-	3,766	40,489	9,252
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1 .....	53,861	-	-	2,183	-	-	3,400	39,309	8,969
NATIONAL BUREAU OF STANDARDS .....	1,829	-	-	-	-	-	366	1,180	283
DEPARTMENT OF DEFENSE, TOTAL .....	188,146	28,459	807	9,282	2,664	50,885	27,288	65,883	2,878
DEPARTMENT OF THE ARMY .....	44,409	7,791	441	1,752	1,503	16,852	6,174	9,602	294
DEPARTMENT OF THE NAVY .....	55,502	3,312	-	7,482	31	11,098	11,550	19,867	2,156
DEPARTMENT OF THE AIR FORCE .....	60,234	17,035	-	-	1,130	15,426	9,331	17,312	-
DEFENSE AGENCIES* .....	28,001	321	366	46	-	7,509	227	19,102	428
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	28,273	-	-	-	-	-	-	-	28,273
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	35	-	-	-	-	-	-	-	35
NATIONAL INSTITUTES OF HEALTH .....	28,238	-	-	-	-	-	-	-	28,238
DEPARTMENT OF THE INTERIOR, TOTAL .....	7,488	-	-	-	1,365	973	500	4,150	500
BONNEVILLE POWER ADMINISTRATION .....	420	-	-	-	-	420	-	-	-
BUREAU OF MINES .....	5,650	-	-	-	-	500	500	4,150	500
BUREAU OF RECLAMATION .....	118	-	-	-	65	53	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	1,300	-	-	-	1,300	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	950	-	-	-	-	100	750	100	-
MARITIME ADMINISTRATION .....	650	-	-	-	-	100	450	100	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	300	-	-	-	-	-	300	-	-
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN ...	128,682	84,825	32,249	253	112	2,281	1,794	5,255	1,913
NATIONAL SCIENCE FOUNDATION .....	100,241	-	123	17,171	18,134	24,208	12,123	22,603	5,879

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-47. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELECTRICAL	MECHANICAL	METALLURGY AND MATERIALS	ENGINEERING NEC
TOTAL, ALL AGENCIES .....	587,872	119,189	45,107	35,478	26,142	86,910	52,563	156,690	65,793
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	17,503	-	-	2,602	1,044	138	1,205	-	12,514
AGRICULTURAL RESEARCH SERVICE .....	10,030	-	-	1,268	548	138	327	-	7,749
COOPERATIVE STATE RESEARCH SERVICE .....	2,592	-	-	-	-	-	-	-	2,592
FOREST SERVICE .....	4,881	-	-	1,334	496	-	878	-	2,173
DEPARTMENT OF COMMERCE, TOTAL .....	60,415	-	-	3,400	-	-	4,303	43,695	9,017
ENERGY RESEARCH AND TECHNOLOGY ADMIN .....	58,805	-	-	3,400	-	-	3,900	42,515	8,990
NATIONAL BUREAU OF STANDARDS .....	1,610	-	-	-	-	-	403	1,180	.27
DEPARTMENT OF DEFENSE, TOTAL .....	222,217	32,442	-	11,517	3,021	57,911	31,246	79,809	6,271
DEPARTMENT OF THE ARMY .....	48,700	8,580	-	1,650	1,421	19,593	6,765	10,395	296
DEPARTMENT OF THE NAVY .....	69,953	3,604	-	9,844	-	14,974	14,599	24,210	2,722
DEPARTMENT OF THE AIR FORCE .....	66,367	20,207	-	-	1,600	16,192	9,654	18,714	-
DEFENSE AGENCIES .....	37,197	51	-	23	-	7,152	228	26,490	3,253
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	29,431	-	-	-	-	-	-	-	29,431
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	32	-	-	-	-	-	-	-	32
NATIONAL INSTITUTES OF HEALTH .....	29,399	-	-	-	-	-	-	-	29,399
DEPARTMENT OF THE INTERIOR, TOTAL .....	7,276	-	-	-	1,126	1,050	500	4,100	500
BONNEVILLE POWER ADMINISTRATION .....	500	-	-	-	-	500	-	-	-
BUREAU OF MINES .....	5,600	-	-	-	-	500	500	4,100	500
BUREAU OF RECLAMATION .....	206	-	-	-	156	50	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY .....	970	-	-	-	970	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL .....	900	-	-	-	-	-	700	200	-
MARITIME ADMINISTRATION .....	700	-	-	-	-	-	500	200	-
RESEARCH & SPECIAL PROGRAMS ADMIN .....	200	-	-	-	-	-	200	-	-
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN .....	143,406	86,747	44,984	250	125	2,300	1,800	5,300	1,900
NATIONAL SCIENCE FOUNDATION .....	106,724	-	123	17,709	20,826	25,511	12,809	23,586	6,160

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

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TABLE C-48. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES .....	655,347	136,023	48,132	40,369	22,625	103,833	63,266	175,226	65,873
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	18,365	-	-	2,666	1,078	156	1,180	-	13,285
AGRICULTURAL RESEARCH SERVICE .....	11,329	-	-	1,432	619	156	369	-	8,753
COOPERATIVE STATE RESEARCH SERVICE ..	2,521	-	-	-	-	-	-	-	2,521
FOREST SERVICE .....	4,515	-	-	1,234	459	-	811	-	2,011
DEPARTMENT OF COMMERCE, TOTAL .....	67,088	-	-	4,400	-	-	5,776	47,278	9,634
ENERGY RESEARCH AND TECHNOLOGY									
ADMIN 17 .....	65,110	-	-	4,400	-	-	5,350	46,030	9,330
NATIONAL BUREAU OF STANDARDS .....	1,978	-	-	-	-	-	426	1,248	304
DEPARTMENT OF DEFENSE, TOTAL .....	259,818	35,913	-	13,067	2,754	71,759	38,980	94,026	3,319
DEPARTMENT OF THE ARMY .....	62,476	10,407	-	2,201	1,624	24,816	9,806	13,008	614
DEPARTMENT OF THE NAVY .....	73,177	3,946	-	10,801	20	14,454	16,057	25,759	2,140
DEPARTMENT OF THE AIR FORCE .....	77,458	21,560	-	-	1,110	17,761	13,117	23,910	-
DEFENSE AGENCIES .....	46,707	-	-	65	-	14,728	-	31,349	565
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	30,349	-	-	-	-	-	-	-	30,349
ALCOHOL, DRUG ABUSE & MENTAL HLTH									
ADMIN .....	35	-	-	-	-	-	-	-	35
NATIONAL INSTITUTES OF HEALTH .....	30,314	-	-	-	-	-	-	-	30,314
DEPARTMENT OF THE INTERIOR, TOTAL .....	5,960	-	-	-	120	1,040	400	4,000	400
BONNEVILLE POWER ADMINISTRATION ....	600	-	-	-	-	600	-	-	-
BUREAU OF MINES .....	5,200	-	-	-	-	400	400	4,000	400
BUREAU OF RECLAMATION .....	160	-	-	-	120	40	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	700	-	-	-	-	-	500	200	-
MARITIME ADMINISTRATION .....	700	-	-	-	-	-	500	200	-
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN ...	159,785	100,110	48,000	250	125	2,300	1,800	5,300	1,900
NATIONAL SCIENCE FOUNDATION .....	113,282	-	132	19,986	18,548	28,578	14,630	24,422	6,986

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-49. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	140,360	79,174	52,205	8,981	136,951	13,078	34,112	6,286	22,593	60,882
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	2,623	2,623	-	-	21,221	60	18,696	489	1,911	65
AGRICULTURAL RESEARCH SERVICE .....	1,785	1,785	-	-	762	60	628	-	12	62
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	-	-	15,085	-	14,287	-	798	-
ECONOMIC RESEARCH SERVICE .....	-	-	-	-	3,584	-	3,057	489	35	3
FOREST SERVICE .....	838	838	-	-	1,790	-	724	-	1,066	-
DEPARTMENT OF COMMERCE, TOTAL .....	12,744	8,950	3,710	84	200	-	200	-	-	-
BUREAU OF THE CENSUS .....	354	354	-	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION .....	-	-	-	-	200	-	200	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	11,221	8,173	3,048	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS .....	1,169	423	662	84	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	59,320	28,704	23,839	6,777	3,961	-	-	788	2,518	655
DEPARTMENT OF THE ARMY .....	8,033	6,027	1,911	95	149	-	-	-	44	105
DEPARTMENT OF THE NAVY .....	18,677	9,497	8,829	351	2,474	-	-	-	2,474	-
DEPARTMENT OF THE AIR FORCE .....	10,750	8,750	2,000	-	-	-	-	-	-	-
DEFENSE AGENCIES .....	21,860	4,430	11,099	6,331	1,338	-	-	788	-	550
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	5,213	5,213	-	-	33,187	273	1,514	709	13,094	17,597
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	-	-	-	-	10,321	273	81	408	8,041	1,518
NATIONAL INSTITUTES OF HEALTH .....	5,110	5,110	-	-	9,482	-	-	-	-	9,482
HUMAN DEVELOPMENT SERVICES .....	-	-	-	-	446	-	-	-	-	446
OFFICE OF ASST'T SECY FOR HEALTH .....	103	103	-	-	12,338	-	1,013	301	4,873	6,151
OFFICE OF THE SECRETARY .....	-	-	-	-	600	-	420	-	180	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	2,507	1,200	1,007	300	1,054	-	424	-	-	630
BUREAU OF MINES .....	1,100	1,100	-	-	-	-	-	-	-	-
GEOLOGICAL SURVEY .....	1,000	100	900	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY .....	107	-	107	-	214	-	2,4	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY .....	300	-	-	300	840	-	210	-	-	630
DEPARTMENT OF JUSTICE, TOTAL .....	-	-	-	-	3,665	-	200	350	1,640	1,475
OFF OF JUSTICE ASSIST. RSCH. & STAT .....	-	-	-	-	3,665	-	200	350	1,640	1,475
DEPARTMENT OF LABOR, TOTAL .....	-	-	-	-	3,740	-	3,740	-	-	-
EMPLOYMENT & TRAINING ADMIN .....	-	-	-	-	3,740	-	3,740	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	258	258	-	-	2,086	-	2,043	-	43	-
INTERNAL REVENUE SERVICE .....	258	258	-	-	2,086	-	2,043	-	43	-
OTHER AGENCIES										
FEDERAL TRADE COMMISSION .....	-	-	-	-	935	-	-	935	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/ .....	-	-	-	-	20,576	-	-	-	-	20,576
INTERNATIONAL COMMUNICATION AGENCY .....	-	-	-	-	104	-	-	-	-	104
NATIONAL AERONAUTICS & SPACE ADMIN .....	1,934	776	423	735	199	-	-	-	-	199
NATIONAL SCIENCE FOUNDATION .....	55,761	31,450	23,226	1,085	29,953	6,301	7,295	3,015	3,387	9,955
SMITHSONIAN INSTITUTION .....	-	-	-	-	16,070	6,444	-	-	-	9,626

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-50. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRPO- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- OLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	164,938	91,135	65,229	8,574	121,470	14,070	33,368	4,966	18,290	50,776
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	1,393	1,393	-	-	22,480	-	19,968	35	2,459	18
AGRICULTURAL RESEARCH SERVICE .....	555	555	-	-	282	-	256	-	11	15
COOPERATIVE STATE RESEARCH SERVICE ..	-	-	-	-	16,809	-	15,919	-	890	-
ECONOMIC RESEARCH SERVICE .....	-	-	-	-	3,598	-	3,069	35	491	3
FOREST SERVICE .....	838	838	-	-	1,791	-	724	-	1,067	-
DEPARTMENT OF COMMERCE, TOTAL .....	12,551	8,973	3,578	-	300	-	300	-	-	-
BUREAU OF THE CENSUS .....	268	268	-	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION	-	-	-	-	300	-	300	-	-	-
ENERGY RESEARCH AND TECHNOLOGY	-	-	-	-	-	-	-	-	-	-
ADMIN 1/ .....	11,600	8,225	3,375	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS .....	683	480	203	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	80,594	38,153	34,677	7,764	4,137	-	-	2,079	1,945	113
DEPARTMENT OF THE ARMY .....	8,598	6,435	2,145	18	168	-	-	-	55	113
DEPARTMENT OF THE NAVY .....	22,611	11,941	10,046	624	1,890	-	-	-	1,890	-
DEPARTMENT OF THE AIR FORCE .....	12,953	11,503	1,450	-	-	-	-	-	-	-
DEFENSE AGENCIES .....	36,432	8,274	21,036	7,122	2,079	-	-	2,079	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	5,578	5,578	-	-	25,662	266	792	503	10,009	14,092
ALCOHOL, DRUG ABUSE & MENTAL HLTH	-	-	-	-	9,844	266	57	367	7,699	1,455
ADMIN .....	-	-	-	-	9,872	-	-	-	-	9,872
NATIONAL INSTITUTES OF HEALTH .....	5,320	5,320	-	-	5,546	-	455	136	2,190	2,765
OFFICE OF ASST'T SECY FOR HEALTH ...	258	258	-	-	400	-	280	-	120	-
OFFICE OF THE SECRETARY .....	-	-	-	-	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL ....	2,075	993	972	110	610	-	370	-	-	240
BUREAU OF MINES .....	900	900	-	-	-	-	-	-	-	-
GEOLOGICAL SURVEY .....	930	93	837	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY .....	135	-	135	-	270	-	270	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	110	-	-	110	340	-	100	-	-	240
DEPARTMENT OF JUSTICE, TOTAL .....	-	-	-	-	3,495	-	200	100	1,118	2,077
OFF OF JUSTICE ASSIST. RSCH, & STAT	-	-	-	-	3,495	-	200	100	1,118	2,077
DEPARTMENT OF LABOR, TOTAL .....	-	-	-	-	3,642	-	3,642	-	-	-
EMPLOYMENT & TRAINING ADMIN .....	-	-	-	-	3,642	-	3,642	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL ....	971	971	-	-	1,052	-	1,052	-	-	-
INTERNAL REVENUE SERVICE .....	971	971	-	-	1,052	-	1,052	-	-	-
OTHER AGENCIES										
FEDERAL TRADE COMMISSION .....	-	-	-	-	985	-	935	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	-	-	-	-	15,316	-	-	-	-	15,316
INTERNATIONAL COMMUNICATION AGENCY ...	-	-	-	-	75	-	-	-	-	75
NATIONAL AERONAUTICS & SPACE ADMIN ...	1,900	800	400	700	200	-	-	-	-	200
NATIONAL SCIENCE FOUNDATION .....	59,876	34,274	25,602	-	26,144	5,835	6,059	2,249	2,759	9,242
SMITHSONIAN INSTITUTION .....	-	-	-	-	17,372	7,969	-	-	-	9,403

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-51. FEDERAL OBLIGATIONS FOR BASIC RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRO- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- OLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	185,538	100,709	73,033	11,796	124,323	13,516	29,653	4,649	18,956	57,549
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	1,403	1,403	-	-	21,953	-	19,538	35	2,360	20
AGRICULTURAL RESEARCH SERVICE .....	627	627	-	-	319	-	290	-	12	17
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	-	-	16,352	-	15,487	-	865	-
ECONOMIC RESEARCH SERVICE .....	-	-	-	-	3,624	-	3,091	35	495	3
FOREST SERVICE .....	776	776	-	-	1,658	-	670	-	988	-
DEPARTMENT OF COMMERCE, TOTAL .....	14,908	10,343	4,565	-	-	-	-	-	-	-
BUREAU OF THE CENSUS .....	335	335	-	-	-	-	-	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	13,850	9,500	4,350	-	-	-	-	-	-	-
NATIONAL BUREAU OF STANDARDS .....	723	508	215	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	93,751	42,649	40,006	11,096	5,517	-	-	1,413	2,434	1,670
DEPARTMENT OF THE ARMY .....	11,252	8,405	2,802	45	67	-	-	-	67	-
DEPARTMENT OF THE NAVY .....	28,112	14,271	12,489	1,352	2,367	-	-	-	2,367	-
DEPARTMENT OF THE AIR FORCE .....	16,426	14,256	2,170	-	-	-	-	-	-	-
DEFENSE AGENCIES .....	37,961	5,717	22,545	9,699	3,083	-	-	1,413	-	1,670
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	5,906	5,906	-	-	29,930	291	736	542	10,603	17,758
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	-	-	-	-	10,663	291	63	404	8,285	1,620
NATIONAL INSTITUTES OF HEALTH .....	5,486	5,486	-	-	10,179	-	-	-	-	10,179
HUMAN DEVELOPMENT SERVICES .....	-	-	-	-	3,146	-	-	-	-	3,146
OFFICE OF ASST'T SECY FOR HEALTH ...	420	420	-	-	5,642	-	463	138	2,228	2,813
OFFICE OF THE SECRETARY .....	-	-	-	-	300	-	210	-	90	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	2,005	1,088	917	-	250	-	250	-	-	-
BUREAU OF MINES .....	1,000	1,000	-	-	-	-	-	-	-	-
GEOLOGICAL SURVEY .....	880	88	792	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY .....	125	-	125	-	250	-	250	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	-	-	-	-	2,951	-	250	400	800	1,501
OFF OF JUSTICE ASSIST, RSCH, & STAT	-	-	-	-	2,951	-	250	400	800	1,501
DEPARTMENT OF THE TREASURY, TOTAL .....	1,495	1,495	-	-	1,619	-	1,619	-	-	-
INTERNAL REVENUE SERVICE .....	1,495	1,495	-	-	1,619	-	1,619	-	-	-
OTHER AGENCIES										
FEDERAL TRADE COMMISSION .....	-	-	-	-	1,105	-	1,105	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	-	-	-	-	15,466	-	-	-	-	15,466
NATIONAL AERONAUTICS & SPACE ADMIN ...	1,900	800	400	700	200	-	-	-	-	200
NATIONAL SCIENCE FOUNDATION .....	64,170	37,025	27,145	-	26,379	5,940	6,155	2,259	2,759	9,266
SMITHSONIAN INSTITUTION .....	-	-	-	-	18,953	7,285	-	-	-	11,668

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-52. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1981  
(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS	FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS		
TOTAL, ALL AGENCIES <sup>2</sup> .....	7,171,485	2,732,372	1,665,390	278,066	1,416,921	450,037	392,057	59,066	102,782	74,794
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	426,856	279,714	4,140	-	137,482	-	1,042	-	1,870	2,608
AGRICULTURAL COOPERATIVE SERVICE ...	1,739	1,213	-	-	526	-	-	-	-	-
AGRICULTURAL MARKETING SERVICE .....	907	877	-	-	30	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	181,486	157,939	4,092	-	16,312	-	803	-	1,251	1,089
COOPERATIVE STATE RESEARCH SERVICE ..	115,531	4,194	-	-	110,913	-	-	-	424	-
ECONOMIC RESEARCH SERVICE .....	35,759	34,080	-	-	1,679	-	-	-	-	-
FOREST SERVICE .....	81,768	74,050	48	-	7,174	-	239	-	195	62
OFF OF INTERNAT'L COOPERATION & DEV .....	1,858	401	-	-	-	-	-	-	-	1,457
OFFICE OF TRANSPORTATION .....	308	308	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	7,500	6,652	-	-	848	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	1,060,436	245,142	139,410	94,594	154,439	351,131	34,291	26,240	8,528	6,661
BUREAU OF THE CENSUS .....	2,578	2,578	-	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION ..	1,600	200	225	-	700	-	475	-	-	-
ENERGY RESEARCH & TECHNOLOGY ADMIN 2/ .....	827,265	71,212	131,863	94,544	114,413	350,508	32,244	26,146	-	6,335
NATIONAL BUREAU OF STANDARDS .....	50,640	48,656	1,165	-	673	-	132	-	-	14
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	168,496	112,639	6,157	50	38,653	623	1,440	94	8,528	312
NAT'L TELECOMM & INFORMATION ADMIN ..	9,857	9,857	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	1,996,615	800,980	929,546	49,915	118,561	34,837	43,854	12,630	75	6,217
DEPARTMENT OF THE ARMY .....	388,366	237,634	119,772	-	18,622	1,074	8,514	980	75	1,695
DEPARTMENT OF THE NAVY .....	460,000	282,934	111,956	44,225	14,319	3,950	1,466	1,413	-	37
DEPARTMENT OF THE AIR FORCE .....	491,500	154,648	248,437	-	71,136	-	13,661	-	-	3,618
DEFENSE AGENCIES .....	656,749	125,764	449,381	5,690	14,484	29,813	20,513	10,237	-	867
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	1,531,857	398,356	98,244	9,529	794,552	4,876	234,126	709	38,434	13,031
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	121,375	29,674	4,204	-	67,111	-	16,758	-	3,169	459
CENTERS FOR DISEASE CONTROL .....	74,822	52,777	9,106	-	6,394	-	5,219	-	332	994
FOOD & DRUG ADMINISTRATION .....	71,400	57,885	3,818	-	5,726	-	3,999	-	-	-
HEALTH CARE FINANCING ADMIN .....	38,623	3,185	14,278	-	10,075	-	4,493	-	6,592	-
HEALTH RESOURCES ADMINISTRATION .....	5,338	88	-	-	4,516	-	434	-	-	-
HEALTH SERVICES ADMINISTRATION .....	6,436	2,178	-	-	2,503	-	1,306	-	222	227
HUMAN DEVELOPMENT SERVICES .....	39,451	2,484	1,534	-	23,609	-	8,071	-	2,773	980
NATIONAL INSTITUTES OF HEALTH .....	1,181,521	230,854	61,107	9,529	662,737	4,876	184,789	709	16,896	10,024
OFFICE OF ASST'T SECY FOR HEALTH .....	16,313	6,163	2,065	-	7,101	-	861	-	-	123
OFFICE OF THE SECRETARY .....	18,900	1,890	1,890	-	945	-	7,560	-	6,615	-
SOCIAL SECURITY ADMINISTRATION .....	17,978	11,206	242	-	3,835	-	636	-	1,835	224
DEPT OF HOUSING & URBAN DEVELOPMENT ..	16,690	15,485	67	-	240	-	767	-	131	-
DEPARTMENT OF THE INTERIOR, TOTAL ....	289,174	177,808	38,498	58	24,994	1,412	1,490	171	44,743	-
BONNEVILLE POWER ADMINISTRATION ....	6,071	1,806	3,155	-	269	-	-	71	770	-
BUREAU OF LAND MANAGEMENT .....	1,458	770	-	-	688	-	-	-	-	-
BUREAU OF MINES .....	54,400	24,400	27,400	-	1,500	85	965	50	-	-
BUREAU OF RECLAMATION .....	13,269	7,368	1,765	-	3,163	-	-	-	973	-
GEOLOGICAL SURVEY .....	115,784	105,224	3,892	-	5,737	931	-	-	-	-
NATIONAL PARK SERVICE .....	10,351	7,160	828	58	2,175	-	125	-	5	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	5,794	1,563	424	-	3,807	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	8,160	1,120	620	-	6,420	-	-	-	-	-
US FISH & WILDLIFE SERVICE .....	73,887	28,397	414	-	1,235	396	400	50	42,995	-
DEPARTMENT OF JUSTICE, TOTAL .....	14,872	1,118	3,328	-	6,274	-	3,152	-	1,000	-
DRUG ENFORCEMENT ADMINISTRATION ....	400	100	300	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM .....	1,657	457	-	-	500	-	-	-	700	-
IMMIGRATION & NATURALIZATION SVC .....	70	47	23	-	-	-	-	-	-	-
OFFICE OF THE ATTORNEY GENERAL .....	700	100	500	-	100	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	12,045	414	2,505	-	5,674	-	3,152	-	300	-
DEPARTMENT OF LABOR, TOTAL .....	54,457	33,160	8,124	-	6,046	-	6,964	-	163	-
BUREAU OF LABOR STATISTICS .....	251	251	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION ..	3,200	2,720	293	-	10	-	177	-	-	-
EMPLOYMENT & TRAINING ADMIN .....	45,054	28,003	4,829	-	5,687	-	6,372	-	163	-
LABOR-MANAGEMENT SERVICES ADMIN .....	1,752	1,053	45	-	297	-	357	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	3,000	20	2,870	-	52	-	58	-	-	-
OFFICE OF THE SECRETARY .....	1,100	1,100	-	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION .....	100	13	87	-	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL,.....	1,606	1,015	536	-	55	-	-	-	-	-
DEPARTMENTAL FUNDS .....	1,606	1,015	536	-	55	-	-	-	-	-

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TABLE C-52. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1981  
(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES			OTHER				
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS		
DEPARTMENT OF TRANSPORTATION, TOTAL ..	87,379	28,618	43,502	-	8,276	200	3,924	-	2,859	-
COAST GUARD .....	14,703	5,249	8,984	-	270	200	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	8,200	1,804	6,396	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	5,100	1,224	1,112	-	1,525	-	1,076	-	163	-
FEDERAL RAILROAD ADMINISTRATION .....	6,200	4,774	1,426	-	-	-	-	-	-	-
MARITIME ADMINISTRATION .....	8,876	200	7,697	-	400	-	500	-	79	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	29,400	8,767	15,156	-	2,047	-	1,377	-	2,053	-
OFFICE OF THE SECRETARY .....	700	385	315	-	-	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	4,900	3,083	200	-	1,617	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN .....	9,300	3,132	2,216	-	2,417	-	971	-	564	-
DEPARTMENT OF THE TREASURY, TOTAL .....	2,875	2,033	792	-	-	-	-	50	-	-
BUREAU OF ALCOHOL, TOBACCO, & FIREARMS .....	100	50	-	-	-	-	-	50	-	-
BUREAU OF ENGRAVING AND PRINTING .....	907	832	75	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	1,814	1,141	673	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE .....	54	10	44	-	-	-	-	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	2,211	2,211	-	-	-	-	-	-	-	-
APPALACHIAN REGIONAL COMMISSION .....	280	10	75	-	-	-	-	-	195	-
COMMUNITY SERVICES ADMINISTRATION .....	1,927	40	-	-	-	-	1,887	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION .....	150	90	60	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	207,800	101,876	49,689	-	46,268	-	5,632	-	3,178	1,157
FEDERAL COMMUNICATIONS COMMISSION .....	1,815	1,142	673	-	-	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	6,449	1,633	2,606	85	379	264	1,214	148	120	-
FEDERAL HOME LOAN BANK BOARD .....	1,036	949	87	-	-	-	-	-	-	-
FEDERAL TRADE COMMISSION .....	165	165	-	-	-	-	-	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 3/	33,212	4,339	6,799	-	14,366	-	6,704	-	882	122
GENERAL SERVICES ADMINISTRATION .....	390	239	118	-	-	-	33	-	-	-
INTERNATIONAL COMMUNICATION AGENCY .....	1,012	187	9	-	446	-	370	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	86,400	5,172	3,804	-	32,754	-	2,157	-	-	42,513
AGENCY FOR INTERNAT'L DEVELOPMENT ..	86,400	5,172	3,804	-	32,754	-	2,157	-	-	42,513
INTERNATIONAL TRADE COMMISSION .....	3,397	3,397	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS .....	700	700	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ..	876,036	475,577	318,502	-	32,734	23,647	24,346	38	67	1,125
NATIONAL SCIENCE FOUNDATION .....	58,895	7,432	9,735	-	29,905	200	11,043	-	41	539
NUCLEAR REGULATORY COMMISSION .....	219,667	25,114	5,501	123,885	8,123	33,186	2,696	18,845	496	821
OFFICE OF PERSONNEL MANAGEMENT .....	3,387	2,488	117	-	744	-	38	-	-	-
TENNESSEE VALLEY AUTHORITY .....	9,400	3,532	-	-	-	-	5,868	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	1,639	150	428	-	83	284	459	235	-	-
VETERANS ADMINISTRATION .....	112,700	112,500	-	-	200	-	-	-	-	-

- 1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.
  - 2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.
  - 3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.
- SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-53. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS	FOREIGN
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS		
TOTAL, ALL AGENCIES .....	7,284,134	2,756,146	1,658,225	337,039	1,378,855	504,935	381,872	79,304	95,084	92,674
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	443,268	260,643	6,716	-	151,759	-	562	-	1,191	2,397
AGRICULTURAL COOPERATIVE SERVICE ...	1,808	908	-	-	900	-	-	-	-	-
AGRICULTURAL MARKETING SERVICE .....	1,177	1,177	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	189,608	165,216	4,677	-	17,921	-	364	-	571	859
COOPERATIVE STATE RESEARCH SERVICE ..	129,289	4,591	-	-	124,239	-	-	-	459	-
ECONOMIC RESEARCH SERVICE .....	35,762	35,425	-	-	337	-	-	-	-	-
FOREST SERVICE .....	67,857	62,752	39	-	4,656	-	198	-	161	51
HUMAN NUTRITION INFORMATION SERVICE ..	8,500	3,000	2,000	-	3,500	-	-	-	-	-
OFF OF INTER. L COOPERATION & DEV .....	1,922	435	-	-	-	-	-	-	-	1,487
OFFICE OF TRANSPORTATION .....	345	345	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	7,000	6,794	-	-	206	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	1,097,939	231,393	157,049	138,461	130,777	357,839	30,138	43,275	239	8,768
BUREAU OF THE CENSUS .....	2,506	2,705	-	-	-	-	-	-	-	-
ECONOMIC DEVELOPMENT ADMINISTRATION ..	1,600	400	600	-	-	-	600	-	-	-
ENERGY RESEARCH & TECHNOLOGY ADMIN 2/ .....	895,522	68,014	150,848	138,461	100,586	357,809	28,204	42,975	-	8,625
NATIONAL BUREAU OF STANDARDS .....	54,990	52,472	1,595	-	773	-	150	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	133,163	97,900	4,006	-	29,418	30	1,184	300	239	86
NAT'L TELECOMM & INFORMATION ADMIN ..	10,091	10,091	-	-	-	-	-	-	-	57
OFFICE OF THE SECRETARY .....	67	10	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	2,208,877	874,873	1,010,308	58,472	117,181	75,806	48,036	16,238	61	7,902
DEPARTMENT OF THE ARMY .....	416,378	250,129	138,914	-	15,541	1,698	7,965	595	61	1,475
DEPARTMENT OF THE NAVY .....	490,600	291,536	125,919	51,783	15,348	3,082	1,444	1,455	-	33
DEPARTMENT OF THE AIR FORCE .....	452,000	142,199	228,440	-	65,404	-	12,567	-	-	3,390
DEFENSE AGENCIES .....	849,899	191,009	517,035	6,689	20,888	71,026	26,060	14,188	-	3,004
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	1,583,537	410,166	92,734	9,662	795,561	4,998	218,990	825	34,125	16,476
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	126,354	43,210	2,806	-	64,231	-	12,007	-	3,198	902
CENTERS FOR DISEASE CONTROL .....	70,529	50,553	6,300	-	6,010	-	5,478	-	200	1,988
FOOD & DRUG ADMINISTRATION .....	72,700	58,800	4,000	-	5,800	-	4,100	-	-	-
HEALTH CARE FINANCING ADMIN .....	29,500	2,433	10,905	-	7,778	-	3,432	-	4,952	-
HEALTH RESOURCES ADMINISTRATION .....	2,488	88	-	-	2,200	-	200	-	-	-
HEALTH SERVICES ADMINISTRATION .....	1,220	633	-	-	-	-	-	-	-	587
HUMAN DEVELOPMENT SERVICES .....	35,095	2,373	1,488	-	22,441	-	4,669	-	2,179	1,945
NATIONAL INSTITUTES OF HEALTH .....	1,207,700	236,796	62,800	9,662	681,231	4,998	183,248	825	17,270	10,870
OFFICE OF ASST'T SECY FOR HEALTH .....	8,384	2,738	887	-	4,233	-	382	-	-	144
OFFICE OF THE SECRETARY .....	13,040	1,304	1,304	-	652	-	5,216	-	4,564	-
SOCIAL SECURITY ADMINISTRATION .....	16,527	11,238	2,244	-	985	-	258	-	1,762	40
DEPT OF HOUSING & URBAN DEVELOPMENT ..	13,001	6,917	338	-	1,209	-	3,874	-	663	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	275,665	166,146	37,572	58	21,454	1,320	1,640	740	46,735	-
BONNEVILLE POWER ADMINISTRATION .....	10,459	2,757	4,879	-	475	-	-	560	1,788	-
BUREAU OF LAND MANAGEMENT .....	1,580	480	-	-	1,100	-	-	-	-	-
BUREAU OF MINES .....	56,944	25,300	25,000	-	5,444	100	1,000	100	-	-
BUREAU OF RECLAMATION .....	9,785	5,005	1,498	-	2,340	-	-	-	942	-
GEOLOGICAL SURVEY .....	104,667	94,687	3,345	-	5,835	800	-	-	-	-
NATIONAL PARK SERVICE .....	11,093	7,790	900	38	2,200	-	140	-	5	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	1,000	300	500	-	200	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	3,990	680	1,000	-	2,310	-	-	-	-	-
US FISH & WILDLIFE SERVICE .....	76,147	29,147	450	-	1,550	420	500	80	44,000	-
DEPARTMENT OF JUSTICE, TOTAL .....	14,722	1,223	3,780	-	5,250	-	3,469	-	1,000	-
DRUG ENFORCEMENT ADMINISTRATION ....	1,000	200	800	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM .....	1,657	457	-	-	500	-	-	-	700	-
IMMIGRATION & NATURALIZATION SVC .....	376	47	329	-	-	-	-	-	-	-
OFFICE OF THE ATTORNEY GENERAL .....	804	4	500	-	300	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	10,885	515	2,151	-	4,450	-	3,469	-	300	-
DEPARTMENT OF LABOR, TOTAL .....	25,609	13,618	8,030	-	3,095	-	800	-	66	-
BUREAU OF LABOR STATISTICS .....	291	291	-	-	-	-	-	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION ..	2,000	1,270	730	-	-	-	-	-	-	-
EMPLOYMENT & TRAINING ADMIN .....	16,717	10,096	2,660	-	3,095	-	800	-	66	-
LABOR-MANAGEMENT SERVICES ADMIN .....	606	606	-	-	-	-	-	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	4,900	400	4,500	-	-	-	-	-	-	-
OFFICE OF THE SECRETARY .....	900	900	-	-	-	-	-	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION .....	155	55	140	-	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL .....	1,999	1,049	700	100	100	-	50	-	-	-
DEPARTMENTAL FUNDS .....	1,999	1,049	700	100	100	-	50	-	-	-

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TABLE C-53. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES					OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS		
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES					
DEPARTMENT OF TRANSPORTATION, TOTAL ..	68,234	26,076	28,544	-	7,822	-	3,196	300	2,296	-	
COAST GUARD .....	10,125	4,658	5,467	-	-	-	-	-	-	-	
FEDERAL AVIATION ADMINISTRATION ....	3,100	1,714	1,386	-	-	-	-	-	-	-	
FEDERAL HIGHWAY ADMINISTRATION .....	5,000	1,200	1,090	-	1,495	-	1,055	-	160	-	
FEDERAL RAILROAD ADMINISTRATION .....	6,100	4,758	1,342	-	-	-	-	-	-	-	
MARITIME ADMINISTRATION .....	5,802	200	4,702	-	500	-	-	300	100	-	
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	22,200	6,793	11,445	-	1,546	-	1,040	-	1,376	-	
OFFICE OF THE SECRETARY .....	600	330	270	-	-	-	-	-	-	-	
RESEARCH & SPECIAL PROGRAMS ADMIN ..	4,300	2,681	200	-	1,419	-	-	-	-	-	
URBAN MASS TRANSPORTATION ADMIN ....	11,007	3,742	2,642	-	2,862	-	1,101	-	660	-	
DEPARTMENT OF THE TREASURY, TOTAL ....	4,459	3,785	674	-	-	-	-	-	-	-	
BUREAU OF ENGRAVING AND PRINTING ...	1,393	819	574	-	-	-	-	-	-	-	
INTERNAL REVENUE SERVICE .....	3,066	2,966	100	-	-	-	-	-	-	-	
OTHER AGENCIES											
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	1,884	1,884	-	-	-	-	-	-	-	-	
APPALACHIAN REGIONAL COMMISSION .....	300	50	150	-	-	-	-	-	100	-	
ENVIRONMENTAL PROTECTION AGENCY .....	201,900	94,489	43,005	-	37,692	-	17,852	-	7,562	1,300	
FEDERAL COMMUNICATIONS COMMISSION .....	953	908	45	-	-	-	-	-	-	-	
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	7,894	1,974	3,158	158	474	316	1,500	158	156	-	
FEDERAL HOME LOAN BANK BOARD .....	1,210	1,028	122	-	60	-	-	-	-	-	
FEDERAL TRADE COMMISSION .....	174	174	-	-	-	-	-	-	-	-	
FOUNDATION FOR EDUCATION ASSISTANCE 3/	26,172	3,956	6,097	-	9,934	-	5,336	-	663	186	
GENERAL SERVICES ADMINISTRATION .....	553	70	50	-	-	-	433	-	-	-	
INTERNATIONAL COMMUNICATION AGENCY ....	1,141	52	491	-	328	-	270	-	-	-	
INTERHAT'L DEV COOPERATION AGENCY .....	101,433	5,194	5,044	-	36,139	-	1,800	-	-	53,256	
AGENCY FOR INTERNAT'L DEVELOPMENT ..	101,433	5,194	5,044	-	36,139	-	1,800	-	-	53,256	
INTERNATIONAL TRADE COMMISSION .....	3,639	3,639	-	-	-	-	-	-	-	-	
LIBRARY OF CONGRESS .....	600	600	-	-	-	-	-	-	-	-	
NATIONAL AERONAUTICS & SPACE ADMIN ...	809,531	478,552	237,178	-	33,000	33,260	26,302	38	67	1,134	
NATIONAL SCIENCE FOUNDATION .....	48,800	7,541	8,957	-	21,965	321	9,656	-	-	360	
NUCLEAR REGULATORY COMMISSION .....	215,763	23,567	7,071	130,128	4,200	30,975	1,082	17,685	160	895	
OFFICE OF PERSONNEL MANAGEMENT .....	2,807	2,182	80	-	545	-	-	-	-	-	
TENNESSEE VALLEY AUTHORITY .....	13,900	7,624	-	-	-	-	6,276	-	-	-	
US ARMS CONTRL & DISARMAMENT AGENCY ..	570	20	160	-	25	100	220	45	-	-	
VETERANS ADMINISTRATION .....	107,600	106,753	172	-	285	-	390	-	-	-	

- 1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.
- 2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.
- 3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-54. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES								
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS			
TOTAL, ALL AGENCIES .....	7,499,674	2,861,173	1,753,603	320,140	1,371,259	516,794	391,590	84,071	108,280	92,764	
DEPARTMENTS											
DEPARTMENT OF AGRICULTURE, TOTAL .....	449,057	288,044	9,214	-	147,704	-	537	-	1,179	2,379	
AGRICULTURAL COOPERATIVE SERVICE ...	1,436	1,336	100	-	-	-	-	-	-	-	
AGRICULTURAL RESEARCH SERVICE .....	206,690	178,276	6,080	-	20,494	-	364	-	571	905	
COOPERATIVE STATE RESEARCH SERVICE ..	126,868	4,127	-	-	122,274	-	-	-	467	-	
ECONOMIC RESEARCH SERVICE .....	36,960	36,622	-	-	338	-	-	-	-	-	
FOREST SERVICE .....	59,285	56,300	34	-	2,592	-	173	-	141	45	
HUMAN NUTRITION INFORMATION SERVICE	7,600	2,800	3,000	-	1,800	-	-	-	-	-	
OFF OF INTERNAT'L COOPERATION & DEV .....	1,880	451	-	-	-	-	-	-	-	1,429	
OFFICE OF TRANSPORTATION .....	338	338	-	-	-	-	-	-	-	-	
STATISTICAL REPORTING SERVICE .....	8,000	7,794	-	-	206	-	-	-	-	-	
DEPARTMENT OF COMMERCE, TOTAL .....	928,764	203,484	77,815	118,090	93,400	367,342	28,002	31,363	333	8,935	
BUREAU OF THE CENSUS .....	2,579	2,579	-	-	-	-	-	-	-	-	
ENERGY RESEARCH & TECHNOLOGY ADMIN 2/ .....	760,449	56,622	71,315	118,090	80,753	366,842	26,559	31,363	-	8,905	
NATIONAL BUREAU OF STANDARDS .....	54,713	50,845	2,095	-	1,773	-	-	-	-	-	
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	103,140	85,555	4,405	-	10,874	500	1,443	-	333	30	
NAT'L TELECOMM & INFORMATION ADMIN ..	7,883	7,883	-	-	-	-	-	-	-	-	
DEPARTMENT OF DEFENSE, TOTAL .....	2,543,926	964,894	1,187,672	61,408	156,733	77,755	47,478	37,180	73	10,733	
DEPARTMENT OF THE ARMY .....	505,037	281,426	185,522	-	20,600	2,551	11,118	1,630	73	2,117	
DEPARTMENT OF THE NAVY .....	346,300	323,514	141,112	56,906	17,311	4,420	1,459	1,498	-	80	
DEPARTMENT OF THE AIR FORCE .....	342,000	170,513	273,926	-	78,427	-	15,067	-	-	4,067	
DEFENSE AGENCIES .....	950,589	189,441	587,112	4,502	40,395	70,784	19,834	34,052	-	4,469	
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	1,660,933	432,198	97,818	11,246	816,860	5,098	235,341	868	45,071	16,433	
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	151,556	51,598	3,371	-	73,940	-	17,775	-	3,891	981	
CENTERS FOR DISEASE CONTROL .....	72,019	53,982	4,000	-	6,400	-	5,357	-	200	2,080	
FOOD & DRUG ADMINISTRATION .....	74,700	60,000	4,500	-	6,000	-	4,200	-	-	-	
HEALTH CARE FINANCING ADMIN .....	30,000	2,474	11,090	-	7,910	-	3,490	-	5,036	-	
HEALTH SERVICES ADMINISTRATION .....	1,165	600	-	-	-	-	-	-	-	565	
HUMAN DEVELOPMENT SERVICES .....	39,211	1,879	500	-	21,111	-	4,344	-	9,904	1,473	
NATIONAL INSTITUTES OF HEALTH .....	1,249,600	246,095	67,478	11,246	695,510	5,098	193,313	868	18,869	11,123	
OFFICE OF ASST'T SECY FOR HEALTH .....	8,489	2,388	802	-	4,743	-	345	-	-	211	
OFFICE OF THE SECRETARY .....	14,418	1,442	1,442	-	721	-	5,767	-	5,046	-	
SOCIAL SECURITY ADMINISTRATION .....	19,775	11,740	4,635	-	525	-	750	-	2,125	-	
DEPT OF HOUSING & URBAN DEVELOPMENT ..	12,426	6,611	323	-	1,156	-	3,713	-	623	-	
DEPARTMENT OF THE INTERIOR, TOTAL .....	251,014	158,195	26,831	58	14,093	1,350	1,670	200	48,617	-	
BONNEVILLE POWER ADMINISTRATION .....	10,865	2,277	4,707	-	863	-	-	-	3,018	-	
BUREAU OF LAND MANAGEMENT .....	2,224	2,024	-	-	200	-	-	-	-	-	
BUREAU OF MINES .....	44,400	24,800	17,000	-	1,400	100	1,000	100	-	-	
BUREAU OF RECLAMATION .....	9,162	6,438	1,160	-	1,420	-	-	-	144	-	
GEOLOGICAL SURVEY .....	99,463	91,119	1,774	-	5,770	800	-	-	-	-	
NATIONAL PARK SERVICE .....	10,806	7,503	900	58	2,200	-	140	-	5	-	
OFF OF SURFACE MINING, RECLAMATION & ENFORCEMENT .....	1,500	470	790	-	240	-	-	-	-	-	
US FISH & WILDLIFE SERVICE .....	72,594	23,564	500	-	2,000	450	530	100	45,450	-	
DEPARTMENT OF JUSTICE, TOTAL .....	11,528	1,063	2,978	-	3,300	-	3,000	-	1,187	-	
DRUG ENFORCEMENT ADMINISTRATION .....	600	200	400	-	-	-	-	-	-	-	
FEDERAL PRISON SYSTEM .....	1,657	457	-	-	500	-	-	-	700	-	
IMMIGRATION & NATURALIZATION SVC .....	200	47	153	-	-	-	-	-	-	-	
OFFICE OF THE ATTORNEY GENERAL .....	709	9	500	-	200	-	-	-	-	-	
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	8,362	350	1,925	-	2,600	-	3,000	-	487	-	
DEPARTMENT OF LABOR, TOTAL .....	9,441	3,616	5,825	-	-	-	-	-	-	-	
BUREAU OF LABOR STATISTICS .....	315	315	-	-	-	-	-	-	-	-	
EMPLOYMENT STANDARDS ADMINISTRATION ..	1,900	1,375	525	-	-	-	-	-	-	-	
LABOR-MANAGEMENT SERVICES ADMIN .....	626	626	-	-	-	-	-	-	-	-	
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	5,700	400	5,300	-	-	-	-	-	-	-	
OFFICE OF THE SECRETARY .....	900	900	-	-	-	-	-	-	-	-	
DEPARTMENT OF STATE, TOTAL .....	1,755	940	565	50	100	-	50	50	-	-	
DEPARTMENTAL FUNDS .....	1,755	940	565	50	100	-	50	50	-	-	

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TABLE C-54. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND PERFORMER: FISCAL YEAR 1983 (ESTIMATED)  
(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES							
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS		
DEPARTMENT OF TRANSPORTATION, TOTAL ..	72,635	23,014	36,084	-	7,054	-	4,005	-	2,478	-
COAST GUARD .....	8,175	4,169	4,006	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	8,000	1,985	6,015	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	5,200	1,248	1,134	-	1,555	-	1,097	-	166	-
FEDERAL RAILROAD ADMINISTRATION .....	3,400	2,652	748	-	-	-	-	-	-	-
MARITIME ADMINISTRATION .....	12,060	500	10,020	-	140	-	1,000	-	400	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	22,600	6,915	11,651	-	1,574	-	1,058	-	1,402	-
OFFICE OF THE SECRETARY .....	600	330	270	-	-	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	4,100	2,325	200	-	1,575	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN .....	8,500	2,890	2,040	-	2,210	-	850	-	510	-
DEPARTMENT OF THE TREASURY, TOTAL .....	6,606	5,595	1,011	-	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ...	1,781	1,620	161	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	4,825	3,975	850	-	-	-	-	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	1,925	1,925	-	-	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION ...	181	31	150	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	150,000	70,200	32,200	-	21,875	-	17,225	-	7,300	1,200
FEDERAL COMMUNICATIONS COMMISSION .....	654	604	50	-	-	-	-	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	18,074	4,519	7,230	361	1,084	723	3,434	362	361	-
FEDERAL HOME LOAN BANK BOARD .....	1,497	1,095	333	-	69	-	-	-	-	-
FEDERAL TRADE COMMISSION .....	195	195	-	-	-	-	-	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 3/	29,128	3,983	5,044	-	12,804	-	6,351	-	776	170
GENERAL SERVICES ADMINISTRATION .....	1,480	225	250	-	-	-	1,005	-	-	-
INTERNATIONAL COMMUNICATION AGENCY ...	150	150	-	-	-	-	-	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	91,544	4,300	3,944	-	30,955	-	1,650	-	-	50,695
AGENCY FOR INTERNAT'L DEVELOPMENT ..	91,544	4,300	3,944	-	30,955	-	1,650	-	-	50,695
INTERNATIONAL TRADE COMMISSION .....	3,994	3,994	-	-	-	-	-	-	-	-
LIBRARY OF CONGRESS .....	600	600	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	854,509	520,261	234,575	-	33,000	36,109	29,325	38	67	1,134
NATIONAL SCIENCE FOUNDATION .....	49,558	6,310	9,952	-	25,714	120	7,292	-	-	170
NUCLEAR REGULATORY COMMISSION .....	213,525	22,650	13,419	128,927	4,547	28,152	840	13,860	215	915
OFFICE OF PERSONNEL MANAGEMENT .....	2,223	1,729	70	-	424	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY .....	17,700	17,700	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	952	85	250	-	50	145	272	150	-	-
VETERANS ADMINISTRATION .....	113,700	112,963	-	-	337	-	400	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-55. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY DETAILED FIELD OF SCIENCE:  
FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1981	ESTIMATES	
		1982	1983
TOTAL, ALL FIELDS .....	7,171,485	7,284,134	7,499,674
LIFE SCIENCES, TOTAL .....	2,211,792	2,263,058	2,306,691
BIOLOGICAL (EXCLUDING ENVIRONMENTAL) .....	794,949	815,263	827,837
ENVIRONMENTAL BIOLOGY .....	137,017	137,686	131,004
AGRICULTURAL .....	317,430	332,989	332,549
MEDICAL .....	903,725	916,903	959,012
LIFE SCIENCES, NEC .....	58,671	60,217	56,289
PSYCHOLOGY, TOTAL .....	117,906	122,515	158,023
BIOLOGICAL ASPECTS .....	26,966	27,476	34,453
SOCIAL ASPECTS .....	63,277	65,284	82,057
PSYCHOLOGICAL SCIENCES, NEC .....	27,663	29,755	41,513
PHYSICAL SCIENCES, TOTAL .....	895,594	1,078,037	1,195,944
ASTRONOMY .....	6,800	7,115	7,005
CHEMISTRY .....	188,689	322,525	184,097
PHYSICS .....	610,221	618,027	857,180
PHYSICAL SCIENCES, NEC .....	89,884	130,370	147,662
ENVIRONMENTAL SCIENCES, TOTAL .....	588,247	569,044	538,335
ATMOSPHERIC .....	199,603	209,018	201,369
GEOLOGICAL .....	201,877	191,464	187,596
OCEANOGRAPHY .....	118,390	99,376	79,443
ENVIRONMENTAL SCIENCES, NEC .....	68,377	69,186	69,927
MATHEMATICS & COMPUTER SCIENCES, TOTAL .....	138,565	145,643	170,992
MATHEMATICS .....	38,552	39,727	48,543
COMPUTER SCIENCES .....	69,315	75,514	91,512
MATHEMATICS & COMPUTER SCIENCES, NEC .....	30,698	30,402	30,937
ENGINEERING, TOTAL .....	2,545,436	2,549,006	2,516,938
AERONAUTICAL .....	596,293	539,312	548,942
ASTRONAUTICAL .....	270,757	269,412	288,368
CHEMICAL .....	116,294	114,301	103,468
CIVIL .....	135,750	137,325	113,523
ELECTRICAL .....	478,166	483,252	520,543
MECHANICAL .....	157,268	146,038	165,680
METALLURGY & MATERIALS .....	117,492	137,131	138,839
ENGINEERING, NEC .....	673,416	722,235	637,575
SOCIAL SCIENCES, TOTAL .....	360,476	284,284	273,455
ANTHROPOLOGY .....	1,459	1,277	1,131
ECONOMICS .....	172,610	134,477	118,616
POLITICAL SCIENCE .....	4,481	4,093	3,783
SOCIOLOGY .....	42,397	32,193	33,375
SOCIAL SCIENCES, NEC .....	139,529	112,244	116,550
OTHER SCIENCES, NEC .....	313,469	272,547	339,296

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-56. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES .....	7,171,485	2,211,792	117,906	895,594	588,247	138,565	2,545,436	360,476	313,469
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	426,856	274,156	-	25,024	10,421	16,079	34,161	67,015	-
AGRICULTURAL COOPERATIVE SERVICE .....	1,739	-	-	-	-	-	-	1,739	-
AGRICULTURAL MARKETING SERVICE .....	907	907	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	181,486	140,676	-	16,221	1,439	1,050	20,634	1,466	-
COOPERATIVE RESEARCH SERVICE .....	115,531	79,385	-	5,777	723	-	3,960	25,686	-
ECONOMIC RESEARCH SERVICE .....	35,759	-	-	-	-	6,057	-	29,702	-
FOREST SERVICE .....	81,768	51,022	-	3,026	8,259	1,472	9,567	8,422	-
OFF OF INTERNAT'L COOPERATION & DEV .....	1,858	1,858	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION .....	308	308	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	7,500	-	-	-	-	7,500	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	1,060,436	171,842	219	420,709	176,908	13,463	243,011	8,037	26,247
BUREAU OF THE CENSUS .....	2,578	-	219	-	-	1,650	-	-	61
ECONOMIC DEVELOPMENT ADMINISTRATION .....	1,600	-	-	-	-	-	-	1,600	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN .....	827,265	115,858	-	390,165	73,254	3,500	216,338	3,950	24,200
NATIONAL BUREAU OF STANDARDS .....	50,640	-	-	24,417	472	6,230	17,916	1,605	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	168,496	55,831	-	6,127	103,182	943	2,193	220	-
NAT'L TELECOMM & INFORMATION ADMIN .....	5,857	153	-	-	-	1,140	6,564	14	1,986
DEPARTMENT OF DEFENSE, TOTAL .....	1,996,615	117,443	52,385	335,188	107,066	88,160	1,135,983	765	159,625
DEPARTMENT OF THE ARMY .....	388,366	63,326	22,207	58,553	10,755	7,127	221,563	765	4,070
DEPARTMENT OF THE NAVY .....	460,900	7,025	9,584	96,523	19,725	24,268	300,875	-	-
DEPARTMENT OF THE AIR FORCE .....	491,900	35,831	18,241	49,721	32,586	26,332	328,114	-	675
DEFENSE AGENCIES .....	656,749	11,261	2,353	128,391	44,000	30,433	285,431	-	154,880
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	1,591,857	1,264,044	51,178	25,062	-	4,637	20,518	133,717	92,701
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	121,375	63,460	37,173	232	-	-	49	17,079	3,382
CENTERS FOR DISEASE CONTROL .....	74,822	74,822	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION .....	71,400	71,400	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN .....	38,623	-	-	-	-	-	-	38,623	-
HEALTH RESOURCES ADMINISTRATION .....	5,038	-	-	-	-	-	-	-	5,038
HEALTH SERVICES ADMINISTRATION .....	6,436	6,006	-	-	-	-	-	-	430
HUMAN DEVELOPMENT SERVICES .....	39,451	13,229	1,763	-	-	5,065	19,394	-	-
NATIONAL INSTITUTES OF HEALTH .....	1,181,521	1,035,127	12,242	24,830	-	4,299	15,404	5,768	83,851
OFFICE OF ASST'T SECY FOR HEALTH .....	16,313	-	-	-	-	338	-	15,975	-
OFFICE OF THE SECRETARY .....	18,900	-	-	-	-	-	-	18,900	-
SOCIAL SECURITY ADMINISTRATION .....	17,978	-	-	-	-	-	-	17,978	-
DEPT OF HOUSING & URBAN DEVELOPMENT .....	16,690	-	-	-	-	-	1,829	14,861	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	289,174	87,548	-	7,274	125,255	4,533	61,017	3,537	10
BONNEVILLE POWER ADMINISTRATION .....	6,071	2,262	-	-	-	-	3,809	-	-
BUREAU OF LAND MANAGEMENT .....	1,458	1,248	-	-	135	-	-	75	-
BUREAU OF MINES .....	54,400	-	-	700	9,100	2,800	41,800	-	-
BUREAU OF RECLAMATION .....	13,269	319	-	-	9,065	-	3,750	135	-
GEOLOGICAL SURVEY .....	115,784	-	-	5,000	102,434	1,400	6,950	-	-
NATIONAL PARK SERVICE .....	10,351	6,592	-	241	1,982	3	43	1,480	10
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	5,794	1,200	-	603	989	-	2,215	787	-
OFFICE OF WATER RSCH & TECHNOLOGY .....	8,160	2,040	-	730	1,550	330	2,450	1,060	-
US FISH & WILDLIFE SERVICE .....	73,887	73,887	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	14,872	-	2,434	-	-	100	370	11,968	-
DRUG ENFORCEMENT ADMINISTRATION .....	400	-	-	-	-	100	300	-	-
FEDERAL PRISON SYSTEM .....	1,657	-	350	-	-	-	-	1,307	-
IMMIGRATION & NATURALIZATION SVC .....	70	-	-	-	-	-	70	-	-
OFFICE OF THE ATTORNEY GENERAL .....	700	-	-	-	-	-	-	700	-
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	12,045	-	2,084	-	-	-	-	9,961	-
DEPARTMENT OF LABOR, TOTAL .....	54,457	-	-	-	-	-	-	54,457	-
BUREAU OF LABOR STATISTICS .....	251	-	-	-	-	-	-	251	-
EMPLOYMENT STANDARDS ADMINISTRATION .....	3,200	-	-	-	-	-	-	3,200	-
EMPLOYMENT & TRAINING ADMIN .....	45,054	-	-	-	-	-	-	45,054	-
LABOR-MANAGEMENT SERVICES ADMIN .....	1,752	-	-	-	-	-	-	1,752	-
OCCUPATIONAL SAFETY & HEALTH ADMIN .....	3,000	-	-	-	-	-	-	3,000	-
OFFICE OF THE SECRETARY .....	1,100	-	-	-	-	-	-	1,100	-
PENSION BENEFIT GUARANTEE CORPORATION .....	100	-	-	-	-	-	-	100	-
DEPARTMENT OF STATE, TOTAL .....	1,606	-	-	-	220	-	-	1,386	-
DEPARTMENTAL FUNDS .....	1,606	-	-	-	220	-	-	1,386	-

CONTINUED ON NEXT PAGE



TABLE C-56. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY- CHOLOGY	PHYSICAL SCIENCES	ENVIRON- MENTAL SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES	ENGI- NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
DEPARTMENT OF TRANSPORTATION, TOTAL ..	87,379	5,174	-	148	138	1,193	56,182	15,096	9,448
COAST GUARD .....	14,703	-	-	-	-	-	5,383	-	9,320
FEDERAL AVIATION ADMINISTRATION .....	8,200	-	-	-	-	-	8,200	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	5,100	-	-	148	138	60	4,626	-	128
FEDERAL RAILROAD ADMINISTRATION .....	6,200	-	-	-	-	23	6,168	9	-
MARITIME ADMINISTRATION .....	8,876	-	-	-	-	355	8,121	400	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	29,400	5,174	-	-	-	-	11,848	12,378	-
OFFICE OF THE SECRETARY .....	700	-	-	-	-	-	300	400	-
RESEARCH & SPECIAL PROGRAMS ADMIN .....	4,900	-	-	-	-	755	2,236	1,909	-
URBAN MASS TRANSPORTATION ADMIN .....	9,300	-	-	-	-	-	9,300	-	-
DEPARTMENT OF THE TREASURY, TOTAL ....	2,875	-	-	1,011	-	672	-	245	947
BUREAU OF ALCOHOL, TOBACCO, & FIREARMS .....	100	-	-	50	-	-	-	-	50
BUREAU OF ENGRAVING AND PRINTING .....	907	-	-	907	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	1,814	-	-	-	-	672	-	245	897
UNITED STATES CUSTOMS SERVICE .....	54	-	-	54	-	-	-	-	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	2,211	-	-	-	-	-	-	2,211	-
APPALACHIAN REGIONAL COMMISSION .....	280	-	-	-	-	-	-	280	-
COMMUNITY SERVICES ADMINISTRATION .....	1,927	-	-	-	-	-	-	1,927	-
CONSUMER PRODUCT SAFETY COMMISSION ...	150	-	-	-	-	-	150	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	207,800	60,533	-	66,420	3,618	-	77,229	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	1,815	-	-	-	-	-	1,259	484	72
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	6,449	401	135	1,264	30	436	2,914	704	565
FEDERAL HOME LOAN BANK BOARD .....	1,036	-	-	-	-	-	-	1,036	-
FEDERAL TRADE COMMISSION .....	165	-	-	-	-	-	-	165	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/ GENERAL SERVICES ADMINISTRATION .....	33,212	-	-	-	-	72	318	24,124	9,088
INTERNATIONAL COMMUNICATION AGENCY ...	390	-	-	-	-	-	125	887	-
INTERNAT'L DEV COOPERATION AGENCY .....	1,012	-	-	-	-	931	6,947	3,100	502
AGENCY FOR INTERNAT'L DEVELOPMENT ..	86,400	74,869	-	-	51	931	6,947	3,100	502
INTERNATIONAL TRADE COMMISSION .....	3,397	-	-	-	-	-	-	3,397	-
LIBRARY OF CONGRESS .....	700	-	-	-	-	-	-	-	700
NATIONAL AERONAUTICS & SPACE ADMIN ...	876,036	45,980	1,134	11,271	162,428	2,025	652,026	-	1,172
NATIONAL SCIENCE FOUNDATION .....	58,895	4,205	1,266	2,223	1,794	5,844	20,783	10,388	12,392
NUCLEAR REGULATORY COMMISSION .....	219,667	-	-	-	-	-	219,667	-	-
OFFICE OF PERSONNEL MANAGEMENT .....	3,387	-	3,143	-	-	-	-	244	-
TENNESSEE VALLEY AUTHORITY .....	9,400	1,800	-	-	-	-	7,600	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	1,639	-	-	-	318	420	456	445	-
VETERANS ADMINISTRATION .....	112,700	103,797	6,012	-	-	-	2,891	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-57. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES .....	7,284,134	2,263,058	122,515	1,078,037	569,044	145,643	2,549,006	284,284	272,547
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	443,268	291,292	-	28,362	9,083	15,423	32,884	68,204	-
AGRICULTURAL COOPERATIVE SERVICE .....	1,808	-	-	-	-	-	-	1,808	-
AGRICULTURAL MARKETING SERVICE .....	1,177	1,177	-	-	-	-	-	-	-
AGICULTURAL RESEARCH SERVICE .....	189,608	148,467	-	17,407	1,419	844	20,513	958	-
COOPERATIVE RESEARCH SERVICE .....	129,289	88,839	-	6,464	810	-	4,432	28,744	-
ECONOMIC RESEARCH SERVICE .....	35,762	-	-	-	-	6,058	-	29,704	-
FOREST SERVICE .....	67,857	42,342	-	2,511	6,854	1,221	7,939	6,990	-
HUMAN NUTRITION INFORMATION SERVICE .....	8,500	8,200	-	-	-	300	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV .....	1,922	1,922	-	-	-	-	-	-	-
OFFICE OF TRANSPORTATION .....	345	345	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	7,000	-	-	-	-	7,000	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	1,097,939	163,388	212	437,882	158,705	15,363	293,761	6,634	21,994
BUREAU OF THE CENSUS .....	2,506	-	212	-	-	1,604	-	630	60
ECONOMIC DEVELOPMENT ADMINISTRATION .....	1,600	-	-	-	-	-	-	1,600	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	895,522	122,604	-	407,828	74,823	3,000	264,467	3,000	19,800
NATIONAL BUREAU OF STANDARDS .....	54,990	-	-	24,072	600	7,954	21,583	781	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	133,163	40,650	-	5,982	83,282	1,045	1,611	593	-
NAT'L TELECOMM & INFORMATION ADMIN .....	10,091	134	-	-	-	1,760	6,100	30	2,067
OFFICE OF THE SECRETARY .....	167	-	-	-	-	-	-	-	67
DEPARTMENT OF DEFENSE, TOTAL .....	2,208,877	130,156	57,559	506,684	114,221	94,725	1,168,325	841	136,366
DEPARTMENT OF THE ARMY .....	416,378	72,462	25,506	75,749	11,404	4,891	219,141	841	4,384
DEPARTMENT OF THE NAVY .....	490,690	7,329	11,401	129,155	20,119	17,853	304,743	-	-
DEPARTMENT OF THE AIR FORCE .....	452,000	36,100	18,355	50,068	32,285	24,812	289,330	-	1,050
DEFENSE AGENCIES .....	849,899	14,265	2,297	251,712	50,413	45,169	355,111	-	130,932
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	1,583,537	1,282,100	53,883	25,625	-	4,697	20,841	103,624	92,767
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN 1/ .....	126,354	66,729	39,438	245	-	-	147	15,845	3,950
CENTERS FOR DISEASE CONTROL .....	70,529	70,529	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION .....	72,700	72,700	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN .....	29,500	-	-	-	-	-	-	29,500	-
HEALTH RESOURCES ADMINISTRATION .....	2,488	-	-	-	-	-	-	-	2,488
HEALTH SERVICES ADMINISTRATION .....	1,220	600	-	-	-	-	-	-	620
HUMAN DEVELOPMENT SERVICES .....	35,095	13,479	1,932	-	-	-	4,949	14,735	-
NATIONAL INSTITUTES OF HEALTH .....	1,207,700	1,058,063	12,513	25,380	-	4,394	15,745	5,896	85,709
OFFICE OF ASST'T SECY FOR HEALTH .....	8,384	-	-	-	-	303	-	8,081	-
OFFICE OF THE SECRETARY .....	13,040	-	-	-	-	-	-	13,040	-
SOCIAL SECURITY ADMINISTRATION .....	16,527	-	-	-	-	-	-	16,527	-
DEPT OF HOUSING & URBAN DEVELOPMENT .....	13,001	-	-	-	-	-	367	12,634	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	275,665	89,306	-	5,437	113,154	4,188	61,721	1,849	10
BONNEVILLE POWER ADMINISTRATION .....	10,459	4,000	-	-	-	-	6,459	-	-
BUREAU OF LAND MANAGEMENT .....	1,580	1,280	-	-	300	-	-	-	-
BUREAU OF MINES .....	56,944	-	-	1,100	10,344	2,500	43,000	-	-
BUREAU OF RECLAMATION .....	9,785	380	-	-	5,638	-	3,702	65	-
GEOLOGICAL SURVEY .....	104,667	-	-	3,975	92,780	1,495	6,417	-	-
NATIONAL PARK SERVICE .....	11,093	6,469	-	62	3,082	3	63	1,404	10
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	1,000	300	-	80	180	80	300	60	-
OFFICE OF WATER RSCH & TECHNOLOGY .....	3,990	730	-	220	830	110	1,780	320	-
US FISH & WILDLIFE SERVICE .....	76,147	76,147	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	14,722	-	1,638	200	-	-	1,176	11,708	-
DRUG ENFORCEMENT ADMINISTRATION .....	1,000	-	-	200	-	-	800	-	-
FEDERAL PRISON SYSTEM .....	1,657	-	350	-	-	-	-	1,307	-
IMMIGRATION & NATURALIZATION SVC .....	376	-	-	-	-	-	376	-	-
OFFICE OF THE ATTORNEY GENERAL .....	804	-	-	-	-	-	-	804	-
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	10,885	-	1,288	-	-	-	-	9,597	-
DEPARTMENT OF LABOR, TOTAL .....	25,609	-	-	-	-	-	-	25,609	-
BUREAU OF LABOR STATISTICS .....	291	-	-	-	-	-	-	291	-
EMPLOYMENT STANDARDS ADMINISTRATION .....	2,000	-	-	-	-	-	-	2,000	-
EMPLOYMENT & TRAINING ADMIN .....	16,717	-	-	-	-	-	-	16,717	-
LABOR-MANAGEMENT SERVICES ADMIN .....	606	-	-	-	-	-	-	606	-
OCCUPATIONAL SAFETY & HEALTH ADMIN .....	4,900	-	-	-	-	-	-	4,900	-
OFFICE OF THE SECRETARY .....	900	-	-	-	-	-	-	900	-
PENSION BENEFIT GUARANTEE CORPORATION .....	195	-	-	-	-	-	-	195	-
DEPARTMENT OF STATE, TOTAL .....	1,999	-	-	-	140	-	-	1,859	-
DEPARTMENTAL FUNDS .....	1,999	-	-	-	140	-	-	1,859	-

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TABLE C-57. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
DEPARTMENT OF TRANSPORTATION, TOTAL ..	68,234	5,214	-	105	110	1,241	44,320	11,644	5,100
COAST GUARD .....	10,125	1,328	-	-	-	-	3,707	-	5,090
FEDERAL AVIATION ADMINISTRATION .....	3,100	-	-	-	-	-	3,100	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	5,000	-	-	105	110	155	4,620	-	10
FEDERAL RAILROAD ADMINISTRATION .....	6,100	-	-	-	-	23	6,069	8	-
MARITIME ADMINISTRATION .....	5,802	-	-	-	-	400	5,202	200	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	22,200	3,886	-	-	-	-	8,953	9,361	-
OFFICE OF THE SECRETARY .....	600	-	-	-	-	-	200	400	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	4,300	-	-	-	-	663	1,962	1,675	-
URBAN MASS TRANSPORTATION ADMIN ..	11,007	-	-	-	-	-	11,007	-	-
DEPARTMENT OF THE TREASURY, TOTAL ....	4,459	-	-	1,393	-	1,809	-	1,257	-
BUREAU OF ENGRAVING AND PRINTING ...	1,393	-	-	1,393	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	3,066	-	-	-	-	1,809	-	1,257	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	1,884	-	-	-	-	-	-	1,884	-
APPALACHIAN REGIONAL COMMISSION .....	300	-	-	-	-	-	-	300	-
ENVIRONMENTAL PROTECTION AGENCY .....	201,900	65,049	-	61,481	3,879	-	71,491	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	953	-	-	-	-	-	524	332	97
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	7,894	553	158	1,579	79	553	3,473	789	710
FEDERAL HOME LOAN BANK BOARD .....	1,210	-	-	-	-	-	-	1,210	-
FEDERAL TRADE COMMISSION .....	174	-	-	-	-	-	-	174	-
FOUNDATION FOR EDUCATION ASSISTANCE 2	26,172	-	-	-	-	-	-	20,885	5,287
GENERAL SERVICES ADMINISTRATION .....	553	-	-	-	-	400	153	-	-
INTERNATIONAL COMMUNICATION AGENCY .....	1,141	-	-	-	-	-	499	642	-
INTERNAT'L DEV COOPERATION AGENCY .....	101,433	88,542	-	-	200	350	9,441	2,900	-
AGENCY FOR INTERNAT'L DEVELOPMENT ..	101,433	88,542	-	-	200	350	9,441	2,900	-
INTERNATIONAL TRADE COMMISSION .....	3,639	-	-	-	-	-	-	3,639	-
LIBRARY OF CONGRESS .....	600	-	-	-	-	-	-	-	600
NATIONAL AERONAUTICS & SPACE ADMIN .....	809,531	39,927	1,095	9,000	167,744	2,311	588,354	-	1,100
NATIONAL SCIENCE FOUNDATION .....	48,800	5,868	255	2,269	1,621	4,435	20,324	5,512	8,516
NUCLEAR REGULATORY COMMISSION .....	215,763	-	-	-	-	-	215,763	-	-
OFFICE OF PERSONNEL MANAGEMENT .....	2,807	-	2,807	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY .....	13,900	1,700	-	-	-	-	12,200	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	570	-	-	-	108	148	160	154	-
VETERANS ADMINISTRATION .....	107,600	99,963	4,908	-	-	-	2,729	-	-

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.
  2. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.
- SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-58. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON- MENTAL SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES	ENGI- NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES .....	7,499,674	2,306,691	158,023	1,195,944	538,335	170,992	2,516,938	273,495	339,296
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	449,057	295,531	-	27,512	8,329	16,548	33,646	67,491	-
AGRICULTURAL COOPERATIVE SERVICE ...	1,436	-	-	-	-	-	-	1,436	-
AGRICULTURAL RESEARCH SERVICE .....	206,690	161,843	-	18,975	1,547	920	22,361	1,044	-
COOPERATIVE RESEARCH SERVICE .....	126,868	87,176	-	6,343	794	-	4,349	28,206	-
ECONOMIC RESEARCH SERVICE .....	36,960	-	-	-	-	6,261	-	30,699	-
FOREST SERVICE .....	59,285	36,994	-	2,194	5,988	1,067	6,936	6,106	-
HUMAN NUTRITION INFORMATION SERVICE OFF OF INTERNAT'L COOPERATION & DEV .....	7,600	7,300	-	-	-	300	-	-	-
OFFICE OF TRANSPORTATION .....	1,880	1,880	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	338	338	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	8,000	-	-	-	-	8,000	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	928,764	134,884	218	483,175	121,628	13,910	159,158	3,566	12,225
BUREAU OF THE CENSUS .....	2,579	-	218	-	-	1,651	-	648	62
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	760,449	102,204	-	451,898	60,245	2,100	131,902	1,700	10,400
NATIONAL BUREAU OF STANDARDS .....	54,713	-	-	25,000	377	7,747	20,787	802	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	103,140	32,680	-	6,277	61,006	1,096	1,681	400	-
NAT'L TELECOM & INFORMATION ADMIN ..	7,883	-	-	-	-	1,316	4,788	16	1,763
DEPARTMENT OF DEFENSE, TOTAL ... ..	2,543,926	149,132	81,958	599,333	120,055	120,223	1,266,233	980	206,012
DEPARTMENT OF THE ARMY .....	505,037	-85,152	43,084	78,869	10,476	7,837	265,569	980	13,070
DEPARTMENT OF THE NAVY .....	546,300	6,235	12,945	149,910	17,920	18,922	340,368	-	-
DEPARTMENT OF THE AIR FORCE .....	542,000	43,039	25,799	55,743	38,680	29,411	348,177	-	1,151
DEFENSE AGENCIES .....	950,589	14,700	130	314,811	52,979	64,053	312,119	-	191,791
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	1,660,933	1,333,109	60,376	27,846	-	4,914	20,928	117,395	96,365
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	151,556	78,698	45,704	1,585	-	100	48	18,303	7,118
CENTERS FOR DISEASE CONTROL .....	72,019	72,019	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION .....	74,700	74,700	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN .....	30,000	-	-	-	-	-	-	30,000	-
HEALTH SERVICES ADMINISTRATION .....	1,165	600	-	-	-	-	-	-	565
HUMAN DEVELOPMENT SERVICES .....	39,211	12,321	1,725	-	-	-	4,588	20,577	-
NATIONAL INSTITUTES OF HEALTH .....	1,249,600	1,094,771	12,947	26,261	-	4,547	16,292	6,100	88,682
OFFICE OF ASST'T SECY FOR HEALTH ...	8,489	-	-	-	-	267	-	8,222	-
OFFICE OF THE SECRETARY .....	14,418	-	-	-	-	-	-	14,418	-
SOCIAL SECURITY ADMINISTRATION .....	19,775	-	-	-	-	-	-	19,775	-
DEPT OF HOUSING & URBAN DEVELOPMENT ..	12,426	-	-	-	-	-	510	11,916	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	251,014	87,041	-	5,533	99,789	3,523	53,736	1,382	10
BONNEVILLE POWER ADMINISTRATION ....	10,865	5,100	-	-	-	-	5,765	-	-
BUREAU OF LAND MANAGEMENT .....	2,224	1,974	-	-	250	-	-	-	-
BUREAU OF MINES .....	44,400	-	-	1,100	4,100	1,900	37,300	-	-
BUREAU OF RECLAMATION .....	9,162	323	-	-	4,473	-	4,280	86	-
GEOLOGICAL SURVEY .....	99,463	-	-	4,300	87,744	1,560	5,859	-	-
NATIONAL PARK SERVICE .....	10,806	6,425	-	63	3,022	3	57	1,226	10
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	1,500	625	-	70	200	60	475	70	-
US FISH & WILDLIFE SERVICE .....	72,594	72,594	-	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	11,528	-	2,500	200	-	-	600	8,228	-
DRUG ENFORCEMENT ADMINISTRATION ....	600	-	-	200	-	-	400	-	-
FEDERAL PRISON SYSTEM .....	1,657	-	350	-	-	-	-	1,307	-
IMMIGRATION & NATURALIZATION SVC ...	200	-	-	-	-	-	200	-	-
OFFICE OF THE ATTORNEY GENERAL .....	709	-	-	-	-	-	-	709	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	8,362	-	2,150	-	-	-	-	6,212	-
DEPARTMENT OF LABOR, TOTAL .....	9,441	-	-	-	-	-	-	9,441	-
BUREAU OF LABOR STATISTICS .....	315	-	-	-	-	-	-	315	-
EMPLOYMENT STANDARDS ADMINISTRATION	1,900	-	-	-	-	-	-	1,900	-
LABOR-MANAGEMENT SERVICES ADMIN ....	626	-	-	-	-	-	-	626	-
OCCUPATIONAL SAFETY & HEALTH ADMIN .	5,700	-	-	-	-	-	-	5,700	-
OFFICE OF THE SECRETARY .....	900	-	-	-	-	-	-	900	-
DEPARTMENT OF STATE, TOTAL .....	1,755	-	-	-	140	-	-	1,615	-
DEPARTMENTAL FUNDS .....	1,755	-	-	-	140	-	-	1,615	-

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TABLE C-58. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON- MENTAL SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES	ENGI- NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
DEPARTMENT OF TRANSPORTATION, TOTAL ..	72,635	5,102	-	94	135	1,144	51,145	12,039	2,976
COAST GUARD .....	8,175	1,146	-	-	-	-	4,089	-	2,940
FEDERAL AVIATION ADMINISTRATION ....	8,000	-	-	-	-	-	8,000	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	5,200	-	-	94	135	-	4,935	-	36
FEDERAL RAILROAD ADMINISTRATION .....	3,400	-	-	-	-	12	3,383	-	-
MARITIME ADMINISTRATION .....	12,060	-	-	-	-	500	11,100	460	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	22,600	3,956	-	-	-	-	9,117	9,527	-
OFFICE OF THE SECRETARY .....	600	-	-	-	-	-	150	450	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	4,100	-	-	-	-	632	1,871	1,597	-
URBAN MASS TRANSPORTATION ADMIN ....	8,500	-	-	-	-	-	8,500	-	-
DEPARTMENT OF THE TREASURY, TOTAL ....	6,606	-	-	1,781	-	2,814	-	2,011	-
BUREAU OF ENGRAVING AND PRINTING ...	1,781	-	-	1,781	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	4,825	-	-	-	-	2,814	-	2,011	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	1,925	-	-	-	-	-	-	1,925	-
CONSUMER PRODUCT SAFETY COMMISSION ...	181	181	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	150,000	60,077	-	34,253	1,067	-	54,603	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	654	-	-	-	-	-	429	154	71
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	18,074	1,446	542	4,609	181	904	5,873	2,531	1,988
FEDERAL HOME LOAN BANK BOARD .....	1,497	-	-	-	-	-	-	1,497	-
FEDERAL TRADE COMMISSION .....	195	-	-	-	-	-	-	195	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	29,128	-	-	-	-	-	-	20,081	9,047
GENERAL SERVICES ADMINISTRATION .....	1,480	-	-	-	-	970	510	-	-
INTERNATIONAL COMMUNICATION AGENCY ...	150	-	-	-	-	-	150	-	-
INTERNAT'L DEV COOPERATION AGENCY ....	91,544	81,999	-	-	160	530	8,105	750	-
AGENCY FOR INTERNAT'L DEVELOPMENT ..	91,544	81,999	-	-	160	530	8,105	750	-
INTERNATIONAL TRADE COMMISSION .....	3,994	-	-	-	-	-	-	3,994	-
LIBRARY OF CONGRESS .....	600	-	-	-	-	-	-	-	600
NATIONAL AERONAUTICS & SPACE ADMIN ...	854,509	47,853	1,479	9,000	184,973	3,330	606,774	-	1,106
NATIONAL SCIENCE FOUNDATION .....	49,558	5,974	249	2,608	1,713	1,977	22,131	6,004	8,902
NUCLEAR REGULATORY COMMISSION .....	213,525	-	-	-	-	-	213,525	-	-
OFFICE OF PERSONNEL MANAGEMENT .....	2,223	-	2,223	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY .....	17,700	2,600	-	-	-	-	15,100	-	-
US ARMS CONTROL & DISARMAMENT AGENCY .	952	-	-	-	165	205	322	260	-
VETERANS ADMINISTRATION .....	113,700	101,762	8,478	-	-	-	3,460	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-59. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES	117,906	26,966	63,277	27,663	2,211,792	794,949	137,017	317,430	903,725	58,671
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL	-	-	-	-	274,156	27,631	43,705	195,574	7,246	-
AGRICULTURAL MARKETING SERVICE	-	-	-	-	907	-	-	907	-	-
AGRICULTURAL RESEARCH SERVICE	-	-	-	-	140,676	5,548	6,665	126,445	2,018	-
COOPERATIVE RESEARCH SERVICE	-	-	-	-	79,385	8,101	-	66,056	5,228	-
FOREST SERVICE	-	-	-	-	51,022	13,982	37,040	-	-	-
OFF OF INTERNAT'L COOPERATION & DEV	-	-	-	-	1,858	-	-	1,858	-	-
OFFICE OF TRANSPORTATION	-	-	-	-	308	-	-	308	-	-
DEPARTMENT OF COMMERCE, TOTAL	219	-	219	-	171,842	70,637	531	55,300	20,405	24,969
BUREAU OF THE CENSUS	219	-	219	-	-	-	-	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/	-	-	-	-	115,858	70,484	-	-	20,405	24,969
NAT'L OCEANIC & ATMOSPHERIC ADMIN	-	-	-	-	55,831	-	531	55,300	-	-
NAT'L TELECOMM & INFORMATION ADMIN	-	-	-	-	153	153	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL	52,385	-	43,168	9,217	117,443	47,693	3,643	248	65,761	93
DEPARTMENT OF THE ARMY	22,207	-	22,207	-	63,326	2,551	2,008	248	58,478	41
DEPARTMENT OF THE NAVY	9,584	-	455	9,129	7,025	155	298	-	6,572	-
DEPARTMENT OF THE AIR FORCE	18,241	-	18,241	-	35,831	33,783	1,337	-	711	-
DEFENSE AGENCIES	2,353	-	2,265	88	11,261	11,204	-	-	-	57
DEPT OF HLTH & HUMAN SERVICES, TOTAL	51,178	20,398	12,554	18,226	1,264,044	562,975	51	-	668,209	32,809
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	37,173	20,398	12,554	4,221	63,460	32,244	51	-	23,732	7,433
CENTERS FOR DISEASE CONTROL	-	-	-	-	74,822	-	-	-	74,822	-
FOOD & DRUG ADMINISTRATION	-	-	-	-	71,400	62,832	-	-	8,568	-
HEALTH SERVICES ADMINISTRATION	-	-	-	-	6,006	-	-	-	6,006	-
HUMAN DEVELOPMENT SERVICES	1,763	-	-	1,763	13,229	-	-	-	11,706	1,523
NATIONAL INSTITUTES OF HEALTH	12,242	-	-	12,242	1,035,127	467,899	-	-	543,375	23,853
DEPARTMENT OF THE INTERIOR, TOTAL	-	-	-	-	87,548	55,347	27,421	4,780	-	-
BONNEVILLE POWER ADMINISTRATION	-	-	-	-	2,262	-	-	2,262	-	-
BUREAU OF LAND MANAGEMENT	-	-	-	-	1,248	120	200	928	-	-
BUREAU OF RECLAMATION	-	-	-	-	319	319	-	-	-	-
NATIONAL PARK SERVICE	-	-	-	-	6,592	1,758	4,834	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	-	-	-	-	1,200	-	760	440	-	-
OFFICE OF WATER RESCH & TECHNOLOGY	-	-	-	-	2,040	70	820	1,150	-	-
US FISH & WILDLIFE SERVICE	-	-	-	-	73,887	53,080	20,807	-	-	-
DEPARTMENT OF JUSTICE, TOTAL	2,434	300	2,134	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM	350	-	350	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	2,084	300	1,784	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL	-	-	-	-	5,174	5,174	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN	-	-	-	-	5,174	5,174	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY	-	-	-	-	60,533	-	57,494	-	3,039	-
FEDERAL EMERGENCY MANAGEMENT AGENCY	135	-	135	-	401	-	229	-	172	-
INTERNAT'L DEV COOPERATION AGENCY	-	-	-	-	74,869	2,075	740	46,663	25,391	-
AGENCY FOR INTERNAT'L DEVELOPMENT	-	-	-	-	74,869	2,075	740	46,663	25,391	-
NATIONAL AERONAUTICS & SPACE ADMIN	1,134	-	945	189	45,980	6,640	1,203	14,865	22,705	567
NATIONAL SCIENCE FOUNDATION	1,266	268	967	31	4,205	2,877	1,100	-	-	228
OFFICE OF PERSONNEL MANAGEMENT	3,143	-	3,143	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY	-	-	-	-	1,800	900	900	-	-	-
VETERANS ADMINISTRATION	6,012	6,000	12	-	103,797	13,000	-	-	90,797	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-60. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	BIO-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES .....	122,515	27,476	65,284	29,755	2,263,058	815,263	137,686	332,989	916,903	60,217
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	-	-	-	-	291,292	25,150	37,530	220,407	8,205	-
AGRICULTURAL MARKETING SERVICE .....	-	-	-	-	1,177	-	-	1,177	-	-
AGRICULTURAL RESEARCH SERVICE .....	-	-	-	-	148,467	4,497	6,791	136,825	2,354	-
COOPERATIVE RESEARCH SERVICE .....	-	-	-	-	88,839	9,050	-	73,938	5,851	-
FOREST SERVICE .....	-	-	-	-	42,342	11,603	30,739	-	-	-
HUMAN NUTRITION INFORMATION SERVICE	-	-	-	-	8,200	-	-	8,200	-	-
OFF OF INTERNAT'L COOPERATION & DEY	-	-	-	-	1,922	-	-	1,922	-	-
OFFICE OF TRANSPORTATION .....	-	-	-	-	345	-	-	345	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	212	-	212	-	163,388	75,156	1,052	39,494	21,476	26,210
BUREAU OF THE CENSUS .....	212	-	212	-	-	-	-	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1 .....	-	-	-	-	122,604	75,022	-	-	21,372	26,210
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	-	-	-	-	40,650	-	1,052	39,494	104	-
NAT'L TELECOMM & INFORMATION ADMIN ..	-	-	-	-	134	134	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	57,559	-	46,691	10,868	130,156	52,580	3,519	238	73,714	105
DEPARTMENT OF THE ARMY .....	25,506	-	25,506	-	72,462	4,302	2,124	238	65,758	40
DEPARTMENT OF THE NAVY .....	11,401	-	625	10,776	7,329	109	-	-	7,220	-
DEPARTMENT OF THE AIR FORCE .....	18,355	-	18,355	-	36,100	33,969	1,395	-	736	-
DEFENSE AGENCIES .....	2,297	-	2,205	92	14,265	14,200	-	-	-	65
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	53,883	22,307	12,689	18,887	1,282,100	576,813	63	-	673,290	31,934
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	39,438	22,307	12,689	4,442	66,729	34,571	63	-	26,014	6,081
CENTERS FOR DISEASE CONTROL .....	-	-	-	-	70,529	-	-	-	70,529	-
FOOD & DRUG ADMINISTRATION .....	-	-	-	-	72,700	63,976	-	-	8,724	-
HEALTH SERVICES ADMINISTRATION .....	-	-	-	-	600	-	-	-	600	-
HUMAN DEVELOPMENT SERVICES .....	1,932	-	-	1,932	13,479	-	-	-	12,007	1,472
NATIONAL INSTITUTES OF HEALTH .....	12,513	-	-	12,513	1,058,063	478,266	-	-	555,416	24,381
DEPARTMENT OF THE INTERIOR, TOTAL .....	-	-	-	-	89,306	54,350	29,436	5,520	-	-
BONNEYVILLE POWER ADMINISTRATION .....	-	-	-	-	4,000	-	-	4,000	-	-
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	1,280	140	200	940	-	-
BUREAU OF RECLAMATION .....	-	-	-	-	380	380	-	-	-	-
NATIONAL PARK SERVICE .....	-	-	-	-	6,469	2,267	4,202	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	-	-	-	-	300	-	-	300	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	-	-	-	-	730	80	370	280	-	-
US FISH & WILDLIFE SERVICE .....	-	-	-	-	76,147	51,483	24,664	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	1,638	200	1,438	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM .....	350	-	350	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT	1,288	200	1,088	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	-	-	-	-	5,214	3,886	-	-	-	1,328
COAST GUARD .....	-	-	-	-	1,328	-	-	-	-	1,328
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	-	-	-	-	3,886	3,886	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	-	-	-	-	65,049	-	62,817	-	2,232	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	158	-	158	-	553	-	316	-	237	-
INTERNAT'L DEY COOPERATION AGENCY .....	-	-	-	-	88,542	2,385	264	56,133	29,760	-
AGENCY FOR INTERNAT'L DEVELOPMENT ..	-	-	-	-	88,542	2,385	264	56,133	29,760	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	1,095	-	1,095	-	39,927	6,200	1,089	11,197	20,911	530
NATIONAL SCIENCE FOUNDATION .....	255	72	183	-	5,868	5,058	700	-	-	110
OFFICE OF PERSONNEL MANAGEMENT .....	2,807	-	2,807	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY .....	-	-	-	-	1,700	800	900	-	-	-
VETERANS ADMINISTRATION .....	4,908	4,897	11	-	99,963	12,885	-	-	87,078	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-61. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIOLOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHOLOGICAL SCIENCES NEC	TOTAL	BIOLOGICAL	ENVIRONMENTAL BIOLOGY	AGRICULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL ALL AGENCIES .....	158,023	34,453	82,057	41,513	2,306,691	827,837	131,004	332,549	959,012	56,289
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	-	-	-	-	295,531	23,921	34,259	229,044	8,307	-
AGRICULTURAL RESEARCH SERVICE .....	-	-	-	-	161,843	4,902	7,403	146,972	2,566	-
COOPERATIVE RESEARCH SERVICE .....	-	-	-	-	87,176	8,881	-	72,554	5,741	-
FOREST SERVICE .....	-	-	-	-	36,994	10,138	26,856	-	-	-
HUMAN NUTRITION INFORMATION SERVICE	-	-	-	-	7,300	-	-	7,300	-	-
OFF OF INTERNAT'L COOPERATION & DEV .....	-	-	-	-	1,880	-	-	1,880	-	-
OFFICE OF TRANSPORTATION .....	-	-	-	-	338	-	-	338	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	218	-	218	-	134,884	60,713	639	32,041	21,107	20,384
BUREAU OF THE CENSUS .....	218	-	218	-	-	-	-	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	-	-	-	-	102,204	60,713	-	-	21,107	20,384
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	-	-	-	-	32,680	-	639	32,041	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	81,958	-	60,636	21,322	149,132	61,537	3,805	249	83,427	114
DEPARTMENT OF THE ARMY .....	43,084	-	34,370	8,714	85,152	6,141	2,234	249	76,487	41
DEPARTMENT OF THE NAVY .....	12,945	-	467	12,478	6,235	125	-	-	6,110	-
DEPARTMENT OF THE AIR FORCE .....	25,799	-	25,799	-	43,039	40,638	1,571	-	830	-
DEFENSE AGENCIES .....	130	-	-	130	14,706	14,633	-	-	-	73
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	60,376	25,273	14,912	20,191	1,333,109	602,770	114	-	695,706	34,519
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	45,704	25,273	14,912	5,519	78,698	42,175	114	-	28,486	7,923
CENTERS FOR DISEASE CONTROL .....	-	-	-	-	72,019	-	-	-	72,019	-
FOOD & DRUG ADMINISTRATION .....	-	-	-	-	74,700	65,736	-	-	8,964	-
HEALTH SERVICES ADMINISTRATION .....	-	-	-	-	600	-	-	-	600	-
HUMAN DEVELOPMENT SERVICES .....	1,725	-	-	1,725	12,321	-	-	-	10,952	1,369
NATIONAL INSTITUTES OF HEALTH .....	12,947	-	-	12,947	1,094,771	494,859	-	-	574,685	25,227
DEPARTMENT OF THE INTERIOR, TOTAL .....	-	-	-	-	87,041	49,321	30,279	7,441	-	-
BONNEVILLE POWER ADMINISTRATION .....	-	-	-	-	5,100	-	-	5,100	-	-
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	1,974	34	84	1,856	-	-
BUREAU OF RECLAMATION .....	-	-	-	-	323	323	-	-	-	-
NATIONAL PARK SERVICE .....	-	-	-	-	6,425	2,036	4,389	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	-	-	-	-	625	70	70	485	-	-
US FISH & WILDLIFE SERVICE .....	-	-	-	-	72,594	46,858	25,736	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	2,500	650	1,850	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM .....	350	-	350	-	-	-	-	-	-	-
OFF OF JUSTICE ASSIST, RSCH, & STAT ..	2,150	650	1,500	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	-	-	-	-	5,102	3,956	-	-	-	1,146
COAST GUARD .....	-	-	-	-	1,146	-	-	-	-	1,146
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	-	-	-	-	3,956	3,956	-	-	-	-
OTHER AGENCIES										
CONSUMER PRODUCT SAFETY COMMISSION ..	-	-	-	-	181	181	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	-	-	-	-	60,077	-	57,576	-	2,501	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	542	-	542	-	1,446	-	904	-	542	-
INTERNAT'L DEV COOPERATION AGENCY .....	-	-	-	-	81,999	2,235	264	51,745	27,755	-
AGENCY FOR INTERNAT'L DEVELOPMENT ..	-	-	-	-	81,999	2,235	264	51,745	27,755	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	1,479	-	1,479	-	47,653	7,385	864	12,029	27,575	-
NATIONAL SCIENCE FOUNDATION .....	249	62	187	-	5,974	4,948	900	-	-	126
OFFICE OF PERSONNEL MANAGEMENT .....	2,223	-	2,223	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY .....	-	-	-	-	2,600	1,200	1,400	-	-	-
VETERANS ADMINISTRATION .....	8,478	8,468	10	-	101,762	9,670	-	-	92,092	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-62. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	895,594	6,800	188,689	610,221	89,884	588,267	199,603	201,877	118,390	68,377
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	25,024	-	22,664	2,360	-	10,421	2,966	7,455	-	-
AGRICULTURAL RESEARCH SERVICE .....	16,221	-	14,597	1,624	-	1,439	1,016	423	-	-
COOPERATIVE RESEARCH SERVICE .....	5,777	-	5,777	-	-	723	723	-	-	-
FOREST SERVICE .....	3,026	-	2,290	736	-	8,259	1,227	7,032	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	420,709	108	22,642	378,673	19,286	176,908	67,558	30,734	69,191	9,425
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	390,165	-	13,722	357,157	19,286	73,254	25,044	28,861	10,001	9,348
NATIONAL BUREAU OF STANDARDS .....	24,417	108	7,506	16,803	-	472	240	232	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	6,127	-	1,414	4,713	-	103,182	42,274	1,641	59,190	77
DEPARTMENT OF DEFENSE, TOTAL .....	335,188	1,200	47,218	220,454	66,316	107,066	63,009	21,916	18,306	3,835
DEPARTMENT OF THE ARMY .....	58,553	-	24,592	14,920	19,041	10,755	6,087	4,097	436	135
DEPARTMENT OF THE NAVY .....	98,523	1,200	8,081	73,696	15,546	19,725	5,612	-	14,113	-
DEPARTMENT OF THE AIR FORCE .....	49,721	-	14,290	32,978	2,453	32,586	27,517	4,277	-	792
DEFENSE AGENCIES .....	128,391	-	255	98,860	29,276	44,000	23,793	13,542	3,757	2,908
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	25,062	-	22,078	2,984	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	232	-	232	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	24,830	-	21,846	2,984	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	7,274	-	5,290	1,277	707	125,255	10,165	99,077	10,180	5,833
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	-	135	-	-	-	135
BUREAU OF MINES .....	700	-	700	-	-	9,100	-	4,300	-	4,800
BUREAU OF RECLAMATION .....	-	-	-	-	-	9,065	8,920	-	145	-
GEOLOGICAL SURVEY .....	5,000	-	4,000	1,000	-	102,434	-	92,889	9,545	-
NATIONAL PARK SERVICE .....	241	-	-	137	104	1,982	1,215	75	250	402
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	603	-	-	-	603	989	-	493	-	496
OFFICE OF WATER RESCH & TECHNOLOGY ..	730	-	590	140	-	1,550	30	1,320	200	-
DEPARTMENT OF STATE, TOTAL .....	-	-	-	-	-	220	-	-	128	92
DEPARTMENTAL FUNDS .....	-	-	-	-	-	220	-	-	128	92
DEPARTMENT OF TRANSPORTATION, TOTAL ..	148	-	148	-	-	138	61	77	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	148	-	148	-	-	138	61	77	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	1,011	-	225	206	580	-	-	-	-	-
BUREAU OF ALCOHOL, TOBACCO, & FIREARMS .....	50	-	25	25	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ..	907	-	200	127	580	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE .....	54	-	-	54	-	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	66,420	-	66,420	-	-	3,618	-	2,980	638	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	1,264	-	10	1,254	-	30	30	-	-	51
INTERNAT'L DEV COOPERATION AGENCY .....	-	-	-	-	-	51	-	-	-	-
AGENCY FOR INTERNAT'L DEVELOPMENT ..	-	-	-	-	-	51	-	-	-	51
NATIONAL AERONAUTICS & SPACE ADMIN ...	11,271	5,425	1,081	2,162	2,603	162,428	55,763	38,543	19,428	48,694
NATIONAL SCIENCE FOUNDATION .....	2,223	67	913	851	392	1,794	21	841	485	447
US ARMS CONTROL & DISARMAMENT AGENCY ..	-	-	-	-	-	318	30	254	34	-

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-63. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	1,078,037	7,115	322,525	618,027	130,370	569,044	209,018	191,464	99,376	69,186
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	26,382	-	24,496	1,886	-	9,083	2,793	6,290	-	-
AGRICULTURAL RESEARCH SERVICE .....	17,407	-	16,132	1,275	-	1,419	965	454	-	-
COOPERATIVE RESEARCH SERVICE .....	6,464	-	6,464	-	-	810	810	-	-	-
FOREST SERVICE .....	2,511	-	1,900	611	-	6,854	1,018	5,836	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	437,882	504	145,052	276,143	16,183	158,705	71,505	29,162	49,153	8,885
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1 .....	407,828	390	137,340	253,915	16,183	74,823	28,204	27,278	10,456	8,885
NATIONAL BUREAU OF STANDARDS .....	24,072	114	6,834	17,124	-	600	233	367	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	5,982	-	878	5,104	-	83,282	43,068	1,517	38,697	-
DEPARTMENT OF DEFENSE, TOTAL .....	506,684	1,250	62,483	331,013	111,938	114,221	66,323	23,557	20,005	4,336
DEPARTMENT OF THE ARMY .....	75,749	-	37,620	16,850	21,279	11,404	5,339	3,923	418	1,724
DEPARTMENT OF THE NAVY .....	129,155	1,250	11,558	100,367	15,980	20,119	5,884	-	14,235	-
DEPARTMENT OF THE AIR FORCE .....	50,068	-	13,030	34,417	2,621	32,285	27,752	4,533	-	-
DEFENSE AGENCIES .....	251,712	-	275	179,379	72,058	50,413	27,348	15,101	5,352	2,612
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	25,625	-	22,575	3,050	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	245	-	245	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	25,380	-	22,330	3,050	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	5,437	-	4,500	875	62	113,154	7,507	90,488	9,753	5,406
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	-	300	-	-	-	300
BUREAU OF MINES .....	1,100	-	1,100	-	-	10,344	-	6,000	-	4,344
BUREAU OF RECLAMATION .....	-	-	-	-	-	5,638	5,526	-	112	-
GEOLOGICAL SURVEY .....	3,975	-	3,180	795	-	92,780	-	83,529	9,251	-
NATIONAL PARK SERVICE .....	62	-	-	-	62	3,082	1,951	69	300	762
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	80	-	80	-	-	180	-	180	-	-
OFFICE OF WATER RESCH & TECHNOLOGY ..	220	-	140	80	-	830	30	710	90	-
DEPARTMENT OF JUSTICE, TOTAL .....	200	-	-	-	200	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION ....	200	-	-	-	200	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL .....	-	-	-	-	-	140	-	-	100	40
DEPARTMENTAL FUNDS .....	-	-	-	-	-	140	-	-	100	40
DEPARTMENT OF TRANSPORTATION, TOTAL ..	105	-	105	-	-	110	30	80	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	105	-	105	-	-	110	30	80	-	-
DEPARTMENT OF THE TREASURY, TOTAL ....	1,393	-	306	195	892	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ...	1,393	-	306	195	892	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	61,481	-	61,481	-	-	3,879	1,379	1,650	850	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ...	1,579	-	79	1,500	-	79	79	-	-	-
INTERNAT'L DEV COOPERATION AGENCY ....	-	-	-	-	-	200	-	-	-	200
AGENCY FOR INTERNAT'L DEVELOPMENT ..	-	-	-	-	-	200	-	-	-	200
NATIONAL AERONAUTICS & SPACE ADMIN ...	9,000	5,300	400	2,300	1,000	167,744	59,371	39,173	18,963	50,237
NATIONAL SCIENCE FOUNDATION .....	2,269	61	1,048	1,065	95	1,621	20	978	541	82
US ARMS CONTROL & DISARMAMENT AGENCY ..	-	-	-	-	-	108	11	86	11	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-64. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	1,195,944	7,005	184,097	857,180	147,662	538,335	201,369	187,596	79,443	69,927
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	27,512	-	25,588	1,924	-	8,329	2,735	5,594	-	-
AGRICULTURAL RESEARCH SERVICE .....	18,975	-	17,585	1,390	-	1,547	1,052	495	-	-
COOPERATIVE RESEARCH SERVICE .....	6,243	-	6,343	-	-	794	794	-	-	-
FOREST SERVICE .....	2,194	-	1,660	534	-	5,988	889	5,099	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	483,175	50	24,486	451,209	6,973	121,628	60,762	26,579	29,215	5,072
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	451,898	390	16,072	428,463	6,973	60,245	22,983	24,161	8,029	5,072
NATIONAL BUREAU OF STANDARDS .....	25,000	117	7,534	17,349	-	377	-	377	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	6,277	-	880	5,397	-	61,006	37,779	2,041	21,186	-
DEPARTMENT OF DEFENSE, TOTAL .....	599,333	1,133	68,179	391,835	138,186	120,055	66,867	28,132	18,772	6,284
DEPARTMENT OF THE ARMY .....	78,869	-	38,409	20,448	20,012	10,476	4,523	4,642	437	874
DEPARTMENT OF THE NAVY .....	149,910	1,133	15,314	115,368	18,095	17,920	5,453	-	12,467	-
DEPARTMENT OF THE AIR FORCE .....	55,743	-	14,156	38,715	2,872	38,680	33,002	5,678	-	-
DEFENSE AGENCIES .....	314,811	-	300	217,304	97,207	52,979	23,889	17,812	5,868	5,410
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	27,846	-	24,690	3,156	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN ..	1,585	-	1,585	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	26,261	-	23,105	3,156	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	5,533	-	4,610	860	63	99,789	6,471	81,226	9,737	2,355
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	-	250	-	-	-	250
BUREAU OF MINES .....	1,100	-	1,100	-	-	4,100	-	2,800	-	1,300
BUREAU OF RECLAMATION .....	-	-	-	-	-	4,473	4,323	-	150	-
GEOLOGICAL SURVEY .....	4,300	-	3,440	860	-	87,744	-	78,157	9,587	-
NATIONAL PARK SERVICE .....	63	-	-	-	63	3,022	2,148	69	-	805
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	70	-	70	-	-	200	-	200	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	200	-	-	-	200	-	-	-	-	-
DRUG ENFORCEMENT ADMINISTRATION ....	200	-	-	-	200	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL .....	-	-	-	-	-	140	-	-	-	140
DEPARTMENTAL FUNDS .....	-	-	-	-	-	140	-	-	-	140
DEPARTMENT OF TRANSPORTATION, TOTAL ..	94	-	94	-	-	135	78	57	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	94	-	94	-	-	135	78	57	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	1,781	-	392	249	1,140	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ...	1,781	-	392	249	1,140	-	-	-	-	-
OTHER AGENCIES										
ENVIRONMENTAL PROTECTION AGENCY .....	34,253	-	34,253	-	-	1,067	-	1,067	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	4,609	-	90	4,519	-	181	181	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	-	-	-	-	-	160	-	-	-	160
AGENCY FOR INTERNAT'L DEVELOPMENT ..	-	-	-	-	-	160	-	-	-	160
NATIONAL AERONAUTICS & SPACE ADMIN ...	9,000	5,300	400	2,300	1,000	184,973	64,185	43,805	21,149	55,834
NATIONAL SCIENCE FOUNDATION .....	2,608	65	1,315	1,128	100	1,713	70	1,011	550	82
US ARMS CONTROL & DISARMAMENT AGENCY ..	-	-	-	-	-	165	20	125	20	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-65. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES .....	2,545,436	596,293	270,757	116,294	135,750	478,166	157,268	117,492	673,416
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	34,161	-	-	2,837	3,607	181	2,749	-	24,787
AGRICULTURAL RESEARCH SERVICE .....	20,634	-	-	1,610	1,481	181	705	-	16,657
COOPERATIVE RESEARCH SERVICE .....	3,960	-	-	-	-	-	-	-	3,960
FOREST SERVICE .....	9,567	-	-	1,227	2,126	-	2,044	-	4,170
DEPARTMENT OF COMMERCE, TOTAL .....	243,011	-	-	29,473	24,316	24,687	15,311	17,344	131,880
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	216,338	-	-	28,450	20,696	13,737	13,581	12,735	127,139
NATIONAL BUREAU OF STANDARDS .....	17,916	-	-	1,023	2,977	2,973	1,730	4,472	4,741
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	2,193	-	-	-	643	1,413	-	137	-
NAT'L TELECOMM & INFORMATION ADMIN .....	6,564	-	-	-	-	6,564	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	1,135,983	204,101	68,409	21,807	32,245	426,543	109,272	65,717	207,889
DEPARTMENT OF THE ARMY .....	221,563	25,245	1,480	16,541	22,082	90,553	34,450	15,495	15,717
DEPARTMENT OF THE NAVY .....	300,875	34,351	-	2,456	3,005	60,533	44,006	23,569	132,955
DEPARTMENT OF THE AIR FORCE .....	328,114	96,998	46,659	2,646	2,342	146,904	9,843	14,523	8,199
DEFENSE AGENCIES .....	285,431	47,507	20,270	164	4,816	128,553	20,973	12,130	51,018
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	20,518	-	-	-	-	-	-	-	20,518
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	49	-	-	-	-	-	-	-	49
HUMAN DEVELOPMENT SERVICES .....	5,065	-	-	-	-	-	-	-	5,065
NATIONAL INSTITUTES OF HEALTH .....	15,404	-	-	-	-	-	-	-	15,404
DEPT OF HOUSING & URBAN DEVELOPMENT .....	1,829	-	-	-	-	-	-	-	1,829
DEPARTMENT OF THE INTERIOR, TOTAL .....	61,017	-	-	3,445	19,234	4,351	4,646	27,255	2,086
BONNEVILLE POWER ADMINISTRATION .....	3,809	-	-	-	-	3,809	-	-	-
BUREAU OF MINES .....	41,800	-	-	3,400	7,600	-	3,600	27,200	-
BUREAU OF RECLAMATION .....	3,750	-	-	45	2,577	242	96	-	790
GEOLOGICAL SURVEY .....	6,950	-	-	-	5,700	300	950	-	-
NATIONAL PARK SERVICE .....	43	-	-	-	-	-	-	-	43
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	2,215	-	-	-	907	-	-	55	1,253
OFFICE OF WATER RSCH & TECHNOLOGY .....	2,450	-	-	-	2,450	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	370	-	-	-	-	370	-	-	-
DRUG ENFORCEMENT ADMINISTRATION .....	300	-	-	-	-	300	-	-	-
IMMIGRATION & NATURALIZATION SVC .....	70	-	-	-	-	70	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL .....	56,182	1,230	574	531	21,238	5,936	20,057	1,084	5,532
COAST GUARD .....	5,383	-	-	-	-	2,893	-	-	2,490
FEDERAL AVIATION ADMINISTRATION .....	8,200	1,230	574	-	5,330	1,066	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	4,624	-	-	-	3,596	153	714	163	-
FEDERAL RAILROAD ADMINISTRATION .....	6,168	-	-	-	2,283	493	1,850	-	1,542
MARITIME ADMINISTRATION .....	8,121	-	-	-	-	800	4,900	921	1,500
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	11,848	-	-	-	-	-	11,848	-	-
OFFICE OF THE SECRETARY .....	300	-	-	-	300	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN .....	2,236	-	-	531	429	531	745	-	-
URBAN MASS TRANSPORTATION ADMIN .....	9,300	-	-	-	9,300	-	-	-	-
OTHER AGENCIES									
CONSUMER PRODUCT SAFETY COMMISSION .....	150	-	-	-	-	150	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	77,229	-	-	55,788	21,441	-	-	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	1,259	-	-	-	-	1,259	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	2,914	-	-	155	867	128	840	-	924
GENERAL SERVICES ADMINISTRATION .....	318	-	-	246	40	-	-	-	32
INTERNATIONAL COMMUNICATION AGENCY .....	125	-	-	-	-	125	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	6,947	-	-	-	2,753	1,000	-	-	3,194
AGENCY FOR INTERNAT'L DEVELOPMENT .....	6,947	-	-	-	2,753	1,000	-	-	3,194
NATIONAL AERONAUTICS & SPACE ADMIN .....	652,026	390,962	201,614	12	-	1,975	2,240	4,479	50,744
NATIONAL SCIENCE FOUNDATION .....	20,783	-	30	1,977	10,009	3,778	2,153	1,613	1,223
NUCLEAR REGULATORY COMMISSION .....	219,667	-	-	-	-	7,600	-	-	219,667
TENNESSEE VALLEY AUTHORITY .....	47,600	-	-	-	-	-	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY .....	456	-	130	23	-	-	-	-	220
VETERANS ADMINISTRATION .....	2,891	-	-	-	-	83	-	-	2,891

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-66. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERONAUTICAL	ASTRONAUTICAL	CHEMICAL	CIVIL	ELECTRICAL	MECHANICAL	METALLURGY AND MATERIALS	ENGINEERING REC
TOTAL, ALL AGENCIES .....	2,549,006	539,312	269,412	114,301	137,325	483,252	146,038	137,131	722,235
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	32,884	-	-	2,723	3,173	180	2,431	-	24,377
AGRICULTURAL RESEARCH SERVICE .....	20,513	-	-	1,705	1,409	180	735	-	16,484
COOPERATIVE RESEARCH SERVICE .....	4,432	-	-	-	-	-	-	-	4,432
FOREST SERVICE .....	7,939	-	-	1,018	1,764	-	1,696	-	3,461
DEPARTMENT OF COMMERCE, TOTAL .....	293,761	-	-	25,223	35,753	30,572	5,107	27,205	169,901
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	264,467	-	-	24,000	30,870	20,490	3,824	20,901	164,382
NATIONAL BUREAU OF STANDARDS .....	21,583	-	-	1,223	4,193	3,061	1,283	6,304	5,519
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	1,611	-	-	-	690	921	-	-	-
NAT'L TELECOMM & INFORMATION ADMIN ..	6,100	-	-	-	-	6,100	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	1,168,325	190,328	72,029	23,271	36,290	419,609	114,446	71,370	240,982
DEPARTMENT OF THE ARMY .....	219,141	23,986	2,790	17,782	22,622	84,724	37,802	13,857	15,577
DEPARTMENT OF THE NAVY .....	304,743	30,553	-	2,640	3,587	78,585	42,452	25,870	121,056
DEPARTMENT OF THE AIR FORCE .....	289,330	96,118	45,609	2,680	2,252	110,757	9,279	14,445	8,150
DEFENSE AGENCIES .....	355,111	39,671	23,630	169	7,828	145,503	24,913	17,198	96,199
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	20,841	-	-	-	-	-	-	-	20,841
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN ..	147	-	-	-	-	-	-	-	147
HUMAN DEVELOPMENT SERVICES .....	4,949	-	-	-	-	-	-	-	4,949
NATIONAL INSTITUTES OF HEALTH .....	15,745	-	-	-	-	-	-	-	15,745
DEPT OF HOUSING & URBAN DEVELOPMENT ..	367	-	-	-	-	-	-	-	367
DEPARTMENT OF THE INTERIOR, TOTAL .....	61,721	-	-	5,435	13,786	6,989	3,953	30,950	608
BONNEVILLE POWER ADMINISTRATION .....	6,459	-	-	-	-	6,459	-	-	-
BUREAU OF MINES .....	43,000	-	-	5,400	3,900	-	2,900	30,800	-
BUREAU OF RECLAMATION .....	3,702	-	-	35	2,771	250	101	-	545
GEOLOGICAL SURVEY .....	6,417	-	-	-	5,185	280	952	-	63
NATIONAL PARK SERVICE .....	63	-	-	-	-	-	-	-	-
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	300	-	-	-	150	-	-	150	-
OFFICE OF WATER RESCH & TECHNOLOGY ..	1,780	-	-	-	1,780	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	1,176	-	-	-	-	1,176	-	-	-
DRUG ENFORCEMENT ADMINISTRATION .....	800	-	-	-	-	800	-	-	-
IMMIGRATION & NATURALIZATION SVC .....	376	-	-	-	-	376	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	44,820	465	217	466	19,595	4,445	14,657	745	4,230
COAST GUARD .....	3,707	-	-	-	-	1,992	-	-	1,715
FEDERAL AVIATION ADMINISTRATION .....	3,100	465	217	-	2,015	403	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	4,620	-	-	-	3,745	200	530	145	-
FEDERAL RAILROAD ADMINISTRATION .....	6,069	-	-	-	2,252	484	1,818	-	1,515
MARITIME ADMINISTRATION .....	5,202	-	-	-	-	900	2,702	600	1,000
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	2,953	-	-	-	-	-	8,953	-	-
OFFICE OF THE SECRETARY .....	200	-	-	-	200	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	1,962	-	-	466	376	466	654	-	-
URBAN MASS TRANSPORTATION ADMIN .....	11,007	-	-	-	11,007	-	-	-	-
OTHER AGENCIES									
ENVIRONMENTAL PROTECTION AGENCY .....	71,491	-	-	54,923	16,568	-	-	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	324	-	-	-	-	524	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	3,473	-	-	158	1,026	158	1,026	-	1,105
GENERAL SERVICES ADMINISTRATION .....	153	-	-	-	103	-	-	-	50
INTERNATIONAL COMMUNICATION AGENCY .....	499	-	-	-	-	499	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	9,441	-	-	-	1,605	1,000	-	-	6,836
AGENCY FOR INTERNAT'L DEVELOPMENT .....	9,441	-	-	-	1,605	1,000	-	-	6,836
NATIONAL AERONAUTICS & SPACE ADMIN .....	588,354	348,519	197,090	50	-	2,000	2,300	5,131	33,264
NATIONAL SCIENCE FOUNDATION .....	20,324	-	30	2,042	9,426	3,868	2,118	1,730	1,110
NUCLEAR REGULATORY COMMISSION .....	215,763	-	-	-	-	-	-	-	215,763
TENNESSEE VALLEY AUTHORITY .....	12,200	-	-	-	-	12,200	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	160	-	46	10	-	32	-	-	72
VETERANS ADMINISTRATION .....	2,729	-	-	-	-	-	-	-	2,729

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-67. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERD-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING REC
TOTAL, ALL AGENCIES .....	2,516,938	548,942	288,368	103,468	113,523	520,543	165,680	138,839	637,575
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	33,646	-	-	2,748	3,077	196	2,283	-	25,342
AGRICULTURAL RESEARCH SERVICE .....	22,361	-	-	1,859	1,536	196	801	-	17,969
COOPERATIVE RESEARCH SERVICE .....	4,349	-	-	-	-	-	-	-	4,349
FOREST SERVICE .....	6,936	-	-	889	1,541	-	1,482	-	3,024
DEPARTMENT OF COMMERCE, TOTAL .....	159,158	-	-	14,856	17,374	16,099	8,717	22,834	79,278
ENERGY RESEARCH AND TECHNOLOGY ADMIN .....	131,902	-	-	14,600	10,850	7,201	7,184	18,471	73,596
NATIONAL BUREAU OF STANDARDS .....	20,787	-	-	256	5,808	3,145	1,533	4,363	5,682
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	1,681	-	-	-	716	965	-	-	-
NAT'L TELECOMM & INFORMATION ADMIN ..	4,788	-	-	-	-	4,788	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	1,266,233	191,495	76,677	31,625	39,279	471,165	133,565	78,911	243,516
DEPARTMENT OF THE ARMY .....	265,569	35,416	3,389	22,041	24,917	115,944	39,984	14,845	9,033
DEPARTMENT OF THE NAVY .....	340,368	33,326	-	2,670	3,565	81,983	46,574	25,420	146,830
DEPARTMENT OF THE AIR FORCE .....	348,177	110,881	57,762	3,490	3,122	133,011	11,386	15,184	10,341
DEFENSE AGENCIES .....	312,119	11,872	15,526	3,424	7,675	140,227	35,621	20,462	77,312
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	20,928	-	-	-	-	-	-	-	20,928
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	48	-	-	-	-	-	-	-	48
HUMAN DEVELOPMENT SERVICES .....	4,588	-	-	-	-	-	-	-	4,588
NATIONAL INSTITUTES OF HEALTH .....	16,292	-	-	-	-	-	-	-	16,292
DEPT OF HOUSING & URBAN DEVELOPMENT ..	510	-	-	-	-	-	-	-	510
DEPARTMENT OF THE INTERIOR, TOTAL .....	53,736	-	-	5,755	9,952	6,275	3,022	27,875	857
BONNEVILLE POWER ADMINISTRATION .....	5,765	-	-	-	-	5,765	-	-	-
BUREAU OF MINES .....	37,300	-	-	5,700	1,900	-	2,100	27,600	-
BUREAU OF RECLAMATION .....	4,280	-	-	55	3,092	260	73	-	800
GEOLOGICAL SURVEY .....	5,859	-	-	-	4,760	250	849	-	-
NATIONAL PARK SERVICE .....	57	-	-	-	-	-	-	-	57
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	475	-	-	-	200	-	-	275	-
DEPARTMENT OF JUSTICE, TOTAL .....	600	-	-	-	-	600	-	-	-
DRUG ENFORCEMENT ADMINISTRATION .....	400	-	-	-	-	400	-	-	-
IMMIGRATION & NATURALIZATION SVC .....	200	-	-	-	-	200	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	51,145	1,200	560	445	19,633	3,841	15,133	1,002	9,330
COAST GUARD .....	4,089	-	-	-	-	1,604	-	-	2,485
FEDERAL AVIATION ADMINISTRATION .....	8,000	1,200	560	-	5,200	1,040	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	4,935	-	-	-	4,170	182	380	203	-
FEDERAL RAILROAD ADMINISTRATION .....	3,383	-	-	-	1,254	270	1,014	-	845
MARITIME ADMINISTRATION .....	11,100	-	-	-	-	300	4,000	800	6,000
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	9,117	-	-	-	-	-	9,117	-	-
OFFICE OF THE SECRETARY .....	150	-	-	-	150	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	1,871	-	-	445	359	445	622	-	-
URBAN MASS TRANSPORTATION ADMIN .....	8,500	-	-	-	8,500	-	-	-	-
OTHER AGENCIES									
ENVIRONMENTAL PROTECTION AGENCY .....	54,603	-	-	45,742	8,861	-	-	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	429	-	-	-	-	429	-	-	-
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	5,873	-	-	-	2,711	90	723	-	2,349
GENERAL SERVICES ADMINISTRATION .....	510	-	-	-	235	-	-	-	275
INTERNATIONAL COMMUNICATION AGENCY .....	150	-	-	-	-	150	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	8,105	-	-	-	1,800	600	-	-	5,705
AGENCY FOR INTERNAT'L DEVELOPMENT .....	8,105	-	-	-	1,800	600	-	-	5,705
NATIONAL AERONAUTICS & SPACE ADMIN .....	606,774	356,247	211,005	50	-	2,000	-	6,264	31,208
NATIONAL SCIENCE FOUNDATION .....	22,131	-	32	2,227	10,601	3,940	2,237	1,952	1,142
NUCLEAR REGULATORY COMMISSION .....	213,525	-	-	-	-	-	-	-	213,525
TENNESSEE VALLEY AUTHORITY .....	16,100	-	-	-	-	15,100	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	322	-	94	20	-	58	-	-	150
VETERAN ADMINISTRATION .....	3,460	-	-	-	-	-	-	-	3,460

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-68. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRO- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- OLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	138,565	38,552	69,315	30,698	360,476	1,459	172,610	4,481	42,397	139,529
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	16,079	16,079	-	-	67,015	1	62,382	225	3,727	680
AGRICULTURAL COOPERATIVE SERVICE ...	-	-	-	-	1,739	-	1,739	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	1,050	1,050	-	-	1,466	1	944	-	56	465
COOPERATIVE RESEARCH SERVICE .....	-	-	-	-	25,686	-	24,326	-	1,360	-
ECONOMIC RESEARCH SERVICE .....	6,057	6,057	-	-	29,702	-	28,750	143	594	215
FOREST SERVICE .....	1,472	1,472	-	-	8,422	-	6,623	82	1,717	-
STATISTICAL REPORTING SERVICE .....	7,500	7,500	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	13,463	5,770	2,504	5,189	8,037	-	3,678	116	293	3,950
BUREAU OF THE CENSUS .....	1,650	1,378	272	-	648	-	355	-	293	-
ECONOMIC DEVELOPMENT ADMINISTRATION	-	-	-	-	1,600	-	1,600	-	-	-
ENERGY RESEARCH AND TECHNOLOGY	-	-	-	-	-	-	-	-	-	-
ADMIN .....	3,500	-	-	3,500	3,950	-	-	-	-	3,950
NATIONAL BUREAU OF STANDARDS .....	6,230	3,921	620	1,689	1,605	-	1,605	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	943	471	472	-	220	-	118	102	-	-
NAT'L TELECOMM & INFORMATION ADMIN ..	1,140	-	1,140	-	14	-	-	14	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	88,160	7,537	56,984	23,639	765	-	143	-	577	45
DEPARTMENT OF THE ARMY .....	7,127	1,110	5,922	95	765	-	143	-	577	45
DEPARTMENT OF THE NAVY .....	24,268	-	18,020	6,248	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE .....	26,332	3,160	20,528	2,644	-	-	-	-	-	-
DEFENSE AGENCIES .....	30,433	3,267	12,514	14,652	-	-	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	4,637	4,637	-	-	133,717	390	14,629	953	24,682	93,063
ALCOHOL, DRUG ABUSE & MENTAL HLTH	-	-	-	-	17,079	390	88	563	12,704	3,334
ADMIN .....	-	-	-	-	38,623	-	-	-	-	38,623
HEALTH CARE FINANCING ADMIN .....	-	-	-	-	19,394	-	-	-	-	19,394
HUMAN DEVELOPMENT SERVICES .....	-	-	-	-	5,768	-	-	-	-	5,768
NATIONAL INSTITUTES OF HEALTH .....	4,299	4,299	-	-	15,975	-	1,311	390	6,308	7,966
OFFICE OF ASSTY SECY FOR HEALTH ...	338	338	-	-	18,900	-	13,230	-	5,670	-
OFFICE OF THE SECRETARY .....	-	-	-	-	17,978	-	-	-	-	17,978
SOCIAL SECURITY ADMINISTRATION .....	-	-	-	-	-	-	-	-	-	-
DEPT OF HOUSING & URBAN DEVELOPMENT ..	-	-	-	-	14,861	-	14,740	-	-	121
DEPARTMENT OF THE INTERIOR, TOTAL ....	4,533	3,000	1,203	330	3,537	1,056	289	-	108	2,084
BUREAU OF LAND MANAGEMENT .....	-	-	-	-	75	-	-	-	-	75
BUREAU OF MINES .....	2,800	2,800	-	-	135	-	39	-	96	-
BUREAU OF RECLAMATION .....	-	-	-	-	-	-	-	-	-	-
GEOLOGICAL SURVEY .....	1,400	200	1,200	-	-	-	-	-	-	-
NATIONAL PARK SERVICE .....	3	-	3	-	1,480	1,056	-	-	-	424
OFF OF SURFACE MINING RECLAMATION	-	-	-	-	787	-	-	-	12	775
& ENFORCEMENT .....	-	-	-	-	1,060	-	250	-	-	810
OFFICE OF WATER RSCH & TECHNOLOGY ..	330	-	-	330	-	-	-	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	100	-	100	-	11,968	-	900	650	4,398	6,020
DRUG ENFORCEMENT ADMINISTRATION ....	100	-	100	-	-	-	-	-	-	-
FEDERAL PRISON SYSTEM .....	-	-	-	-	1,307	-	400	-	250	657
OFFICE OF THE ATTORNEY GENERAL .....	-	-	-	-	700	-	-	-	-	700
OFF OF JUSTICE ASSIST, RSCH, & STAT ..	-	-	-	-	9,961	-	500	650	4,148	4,663
DEPARTMENT OF LABOR, TOTAL .....	-	-	-	-	54,457	-	54,457	-	-	-
BUREAU OF LABOR STATISTICS .....	-	-	-	-	251	-	251	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION ..	-	-	-	-	3,200	-	3,200	-	-	-
EMPLOYMENT & TRAINING ADMIN .....	-	-	-	-	45,054	-	45,054	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN .....	-	-	-	-	1,752	-	1,752	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	-	-	-	-	3,000	-	3,000	-	-	-
OFFICE OF THE SECRETARY .....	-	-	-	-	1,100	-	1,100	-	-	-
PENSION BENEFIT GUARANTEE	-	-	-	-	100	-	100	-	-	-
CORPORATION .....	-	-	-	-	-	-	-	-	-	-
DEPARTMENT OF STATE, TOTAL .....	-	-	-	-	1,386	-	146	-	-	1,240
DEPARTMENTAL FUNDS .....	-	-	-	-	1,386	-	146	-	-	1,240

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TABLE C-68. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRO- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- OLOGY	SOCIAL SCIENCES NEC
DEPARTMENT OF TRANSPORTATION, TOTAL ..	1,193	-	1,193	-	15,096	-	9,288	-	5,808	-
FEDERAL HIGHWAY ADMINISTRATION .....	60	-	60	-	-	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION .....	23	-	23	-	9	-	9	-	-	-
MARITIME ADMINISTRATION .....	355	-	355	-	400	-	400	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	-	-	-	-	12,378	-	7,315	-	5,063	-
OFFICE OF THE SECRETARY .....	-	-	-	-	400	-	400	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	755	-	755	-	1,909	-	1,164	-	745	-
DEPARTMENT OF THE TREASURY, TOTAL .....	672	-	672	-	245	-	245	-	-	-
INTERNAL REVENUE SERVICE .....	672	-	672	-	245	-	245	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	-	-	-	-	2,211	-	1,106	1,105	-	-
APPALACHIAN REGIONAL COMMISSION .....	-	-	-	-	280	-	280	-	-	-
COMMUNITY SERVICES ADMINISTRATION .....	-	-	-	-	1,927	-	-	-	1,927	-
FEDERAL COMMUNICATIONS COMMISSION .....	-	-	-	-	484	-	349	46	-	89
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	436	383	53	-	704	-	263	205	236	-
FEDERAL HOME LOAN BANK BOARD .....	-	-	-	-	1,036	-	1,036	-	-	-
FEDERAL TRADE COMMISSION .....	-	-	-	-	165	-	-	165	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	-	-	-	-	24,124	-	-	-	-	24,124
GENERAL SERVICES ADMINISTRATION .....	72	-	72	-	-	-	-	-	-	-
INTERNATIONAL COMMUNICATION AGENCY .....	-	-	-	-	887	-	-	-	-	887
INTERNAT'L DEV COOPERATION AGENCY .....	931	-	931	-	3,100	-	-	-	-	3,100
AGENCY FOR INTERNAT'L DEVELOPMENT ..	931	-	931	-	3,100	-	-	-	-	3,100
INTERNATIONAL TRADE COMMISSION .....	-	-	-	-	3,397	-	3,397	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	2,025	1,042	860	123	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	5,844	104	4,510	1,230	10,358	12	5,239	370	641	4,126
OFFICE OF PERSONNEL MANAGEMENT .....	-	-	-	-	244	-	-	244	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	420	-	233	187	445	-	43	402	-	-

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-69. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	145,643	39,727	75,514	30,402	284,284	1,277	134,477	4,093	32,193	112,244
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	15,423	15,423	-	-	68,204	-	63,843	211	3,545	605
AGRICULTURAL COOPERATIVE SERVICE .....	-	-	-	-	1,808	-	1,808	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	844	844	-	-	958	-	564	-	4	390
COOPERATIVE RESEARCH SERVICE .....	-	-	-	-	28,744	-	27,223	-	1,521	-
ECONOMIC RESEARCH SERVICE .....	6,058	6,058	-	-	29,704	-	28,752	143	594	215
FOREST SERVICE .....	1,221	1,221	-	-	6,990	-	5,496	68	1,426	-
HUMAN NUTRITION INFORMATION SERVICE .....	300	300	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	7,000	7,000	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	15,363	6,015	4,671	4,677	6,634	-	3,110	108	286	3,130
BUREAU OF THE CENSUS .....	1,604	1,339	265	-	630	-	344	-	286	-
ECONOMIC DEVELOPMENT ADMINISTRATION .....	-	-	-	-	1,600	-	1,600	-	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	3,000	-	-	3,000	3,000	-	-	-	-	3,000
NATIONAL BUREAU OF STANDARDS .....	7,954	4,216	2,061	1,677	781	-	781	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	1,045	460	585	-	593	-	385	78	-	130
NAT'L TELECOMM & INFORMATION ADMIN ..	1,760	-	1,760	-	30	-	-	30	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	94,725	7,873	61,410	25,442	841	-	137	-	654	50
DEPARTMENT OF THE ARMY .....	6,891	1,196	5,580	115	841	-	137	-	654	50
DEPARTMENT OF THE NAVY .....	17,853	-	10,399	7,454	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE .....	24,812	3,490	18,324	2,998	-	-	-	-	-	-
DEFENSE AGENCIES .....	45,169	3,187	27,107	14,875	-	-	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	4,697	4,697	-	-	103,624	384	9,878	748	19,018	73,596
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	-	-	-	-	15,845	384	86	551	11,915	2,909
HEALTH CARE FINANCING ADMIN .....	-	-	-	-	29,500	-	-	-	-	29,500
HUMAN DEVELOPMENT SERVICES .....	-	-	-	-	14,735	-	-	-	-	14,735
NATIONAL INSTITUTES OF HEALTH .....	4,394	4,394	-	-	5,896	-	-	-	-	5,896
OFFICE OF ASST'T SECY FOR HEALTH .....	303	303	-	-	8,081	-	664	197	3,191	4,029
OFFICE OF THE SECRETARY .....	-	-	-	-	13,040	-	9,128	-	3,912	-
SOCIAL SECURITY ADMINISTRATION .....	-	-	-	-	16,527	-	-	-	-	16,527
DEPT OF HOUSING & URBAN DEVELOPMENT ..	-	-	-	-	12,634	-	12,570	-	-	64
DEPARTMENT OF THE INTERIOR, TOTAL .....	4,188	2,659	1,419	110	1,849	883	185	-	90	691
BUREAU OF MINES .....	2,500	2,500	-	-	-	-	-	-	-	-
BUREAU OF RECLAMATION .....	-	-	-	-	65	-	25	-	40	-
GEOLOGICAL SURVEY .....	1,495	159	1,336	-	-	-	-	-	-	-
NATIONAL PARK SERVICE .....	3	-	3	-	1,404	883	-	-	50	471
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	80	-	80	-	60	-	60	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	110	-	-	110	320	-	100	-	-	220
DEPARTMENT OF JUSTICE, TOTAL .....	-	-	-	-	11,708	-	800	1,500	3,305	6,103
FEDERAL PRISON SYSTEM .....	-	-	-	-	1,307	-	400	-	250	657
OFFICE OF THE ATTORNEY GENERAL .....	-	-	-	-	804	-	-	-	-	804
OFF OF JUSTICE ASSIST, RSCH, & STAT ..	-	-	-	-	9,597	-	400	1,500	3,055	4,642
DEPARTMENT OF LABOR, TOTAL .....	-	-	-	-	25,609	-	25,609	-	-	-
BUREAU OF LABOR STATISTICS .....	-	-	-	-	291	-	291	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION ..	-	-	-	-	2,000	-	2,000	-	-	-
EMPLOYMENT & TRAINING ADMIN .....	-	-	-	-	16,717	-	16,717	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN .....	-	-	-	-	606	-	606	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	-	-	-	-	4,900	-	4,900	-	-	-
OFFICE OF THE SECRETARY .....	-	-	-	-	900	-	900	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION ..	-	-	-	-	195	-	195	-	-	-
DEPARTMENT OF STATE, TOTAL .....	-	-	-	-	1,859	-	300	-	-	1,559
DEPARTMENTAL FUNDS .....	-	-	-	-	1,859	-	300	-	-	1,559

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TABLE C-69. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHEMATICS	COMPUTER SCIENCES	MATHEMATICS AND COMPUTER SCIENCES NEC	TOTAL	ANTHROPOLOGY	ECONOMICS	POLITICAL SCIENCE	SOCIOLOGY	SOCIAL SCIENCES NEC
DEPARTMENT OF TRANSPORTATION, TOTAL ..	1,241	-	1,241	-	11,644	-	7,159	-	4,485	-
FEDERAL HIGHWAY ADMINISTRATION .....	155	-	155	-	-	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION .....	23	-	23	-	8	-	8	-	-	-
MARITIME ADMINISTRATION .....	400	-	400	-	200	-	200	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	-	-	-	-	9,361	-	5,530	-	3,831	-
OFFICE OF THE SECRETARY .....	-	-	-	-	400	-	400	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	663	-	663	-	1,675	-	1,021	-	654	-
DEPARTMENT OF THE TREASURY, TOTAL ....	1,809	1,160	649	-	1,257	-	1,257	-	-	-
INTERNAL REVENUE SERVICE .....	1,809	1,160	649	-	1,257	-	1,257	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	-	-	-	-	1,884	-	942	942	-	-
APPALACHIAN REGIONAL COMMISSION .....	-	-	-	-	300	-	300	-	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	-	-	-	-	332	-	223	-	-	109
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	553	474	79	-	789	-	237	236	316	-
FEDERAL HOME LOAN BANK BOARD .....	-	-	-	-	1,210	-	1,210	-	-	-
FEDERAL TRADE COMMISSION .....	-	-	-	-	174	-	174	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	-	-	-	-	20,885	-	-	-	-	20,885
GENERAL SERVICES ADMINISTRATION .....	400	-	400	-	-	-	-	-	-	642
INTERNATIONAL COMMUNICATION AGENCY ...	-	-	-	-	642	-	-	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	350	-	350	-	2,900	-	-	-	-	2,900
AGENCY FOR INTERNAT'L DEVELOPMENT ..	350	-	350	-	2,900	-	-	-	-	2,900
INTERNATIONAL TRADE COMMISSION .....	-	-	-	-	3,639	-	3,639	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	2,311	1,301	900	110	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	4,435	125	4,310	-	5,512	10	2,889	209	494	1,910
US ARMS CONTROL & DISARMAMENT AGENCY ..	148	-	85	63	154	-	15	139	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-70. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES.  
BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRD- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- OLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	170 992	48,543	91,512	30,937	273,455	1,131	118,616	3,783	33,375	116,550
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	16,548	16,548	-	-	67,491	-	63,282	207	3,355	647
AGRICULTURAL COOPERATIVE SERVICE ...	-	-	-	-	1,436	-	1,436	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	920	920	-	-	1,044	-	615	-	-	425
COOPERATIVE RESEARCH SERVICE .....	-	-	-	-	28,206	-	26,713	-	1,493	-
ECONOMIC RESEARCH SERVICE .....	6,261	6,261	-	-	30,699	-	29,716	148	613	222
FOREST SERVICE .....	1,067	1,067	-	-	6,106	-	4,802	59	1,245	-
HUMAN NUTRITION INFORMATION SERVICE ..	300	300	-	-	-	-	-	-	-	-
STATISTICAL REPORTING SERVICE .....	8,000	8,000	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	13,910	6,223	3,864	3,823	3,566	-	1,389	183	294	1,700
BUREAU OF THE CENSUS .....	1,651	1,378	273	-	648	-	354	-	294	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	2,100	-	-	2,100	1,700	-	-	-	-	1,700
NATIONAL BUREAU OF STANDARDS .....	7,747	4,407	1,617	1,723	802	-	802	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	1,096	438	658	-	400	-	233	167	-	-
NAT'L TELECOMM & INFORMATION ADMIN ..	1,316	-	1,316	-	16	-	-	16	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	120,223	13,896	79,368	26,959	980	-	144	-	836	-
DEPARTMENT OF THE ARMY .....	7,837	1,374	6,293	170	980	-	144	-	836	-
DEPARTMENT OF THE NAVY .....	18,922	-	11,105	7,817	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE .....	29,411	5,000	21,003	3,408	-	-	-	-	-	-
DEFENSE AGENCIES .....	64,053	7,522	40,967	15,564	-	-	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	4,914	4,814	100	-	117,395	405	10,855	759	20,629	84,747
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	100	-	100	-	18,303	405	87	559	13,057	4,195
HEALTH CARE FINANCING ADMIN .....	-	-	-	-	30,000	-	-	-	-	30,000
HUMAN DEVELOPMENT SERVICES .....	-	-	-	-	20,577	-	-	-	-	20,577
NATIONAL INSTITUTES OF HEALTH .....	4,547	4,547	-	-	6,100	-	-	-	-	6,100
OFFICE OF ASST'T SECY FOR HEALTH ..	267	267	-	-	8,222	-	675	200	3,247	4,100
OFFICE OF THE SECRETARY .....	-	-	-	-	14,418	-	10,093	-	4,325	-
SOCIAL SECURITY ADMINISTRATION .....	-	-	-	-	19,775	-	-	-	-	19,775
DEPT OF HOUSING & URBAN DEVELOPMENT ..	-	-	-	-	11,916	-	11,606	-	-	310
DEPARTMENT OF THE INTERIOR, TOTAL .....	3,523	2,072	1,451	-	1,382	716	90	-	368	208
BUREAU OF MINES .....	1,900	1,900	-	-	-	-	-	-	-	-
BUREAU OF RECLAMATION .....	-	-	-	-	86	-	20	-	66	-
GEOLOGICAL SURVEY .....	1,560	172	1,388	-	-	-	-	-	-	-
NATIONAL PARK SERVICE .....	3	-	-	3	1,226	716	-	-	302	208
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	60	-	60	-	70	-	70	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	-	-	-	-	8,228	-	900	500	1,550	5,278
FEDERAL PRISON SYSTEM .....	-	-	-	-	1,307	-	400	-	250	657
OFFICE OF THE ATTORNEY GENERAL .....	-	-	-	-	709	-	-	-	-	709
OFF OF JUSTICE ASSIST, RSCM, & STAT ..	-	-	-	-	6,212	-	500	500	1,300	3,912
DEPARTMENT OF LABOR, TOTAL .....	-	-	-	-	9,441	-	9,441	-	-	-
BUREAU OF LABOR STATISTICS .....	-	-	-	-	315	-	315	-	-	-
EMPLOYMENT STANDARDS ADMINISTRATION ..	-	-	-	-	1,900	-	1,900	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN .....	-	-	-	-	626	-	626	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN ..	-	-	-	-	5,700	-	5,700	-	-	-
OFFICE OF THE SECRETARY .....	-	-	-	-	900	-	900	-	-	-
DEPARTMENT OF STATE, TOTAL .....	-	-	-	-	1,615	-	300	-	-	1,315
DEPARTMENTAL FUNDS .....	-	-	-	-	1,615	-	300	-	-	1,315

CONTINUED ON NEXT PAGE

TABLE C-70. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD-OF SCIENCE: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRO- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- OLOGY	SOCIAL SCIENCES NEC
DEPARTMENT OF TRANSPORTATION, TOTAL ..	-1,144	-	1,144	-	12,039	-	7,519	-	4,520	-
FEDERAL RAILROAD ADMINISTRATION .....	12	-	12	-	5	-	5	-	-	-
MARITIME ADMINISTRATION .....	500	-	500	-	460	-	460	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	-	-	-	-	9,527	-	5,630	-	3,897	-
OFFICE OF THE SECRETARY .....	-	-	-	-	450	-	450	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN ..	632	-	632	-	1,597	-	974	-	623	-
DEPARTMENT OF THE TREASURY, TOTAL .....	2,814	1,803	1,011	-	2,011	-	2,011	-	-	-
INTERNAL REVENUE SERVICE .....	2,814	1,803	1,011	-	2,011	-	2,011	-	-	-
OTHER AGENCIES										
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	-	-	-	-	1,925	-	963	962	-	-
FEDERAL COMMUNICATIONS COMMISSION .....	-	-	-	-	154	-	146	-	-	8
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	904	723	181	-	2,531	-	904	723	904	-
FEDERAL HOME LOAN BANK BOARD .....	-	-	-	-	1,497	-	1,497	-	-	-
FEDERAL TRADE COMMISSION .....	-	-	-	-	195	-	195	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	-	-	-	-	20,081	-	-	-	-	20,081
GENERAL SERVICES ADMINISTRATION .....	970	-	970	-	-	-	-	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	530	-	530	-	750	-	-	-	400	350
AGENCY FOR INTERNAT'L DEVELOPMENT ..	530	-	530	-	750	-	-	-	400	350
INTERNATIONAL TRADE COMMISSION .....	-	-	-	-	3,994	-	3,994	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN .....	3,330	2,320	900	110	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	1,977	144	1,833	45	6,004	10	3,350	219	519	1,906
US ARMS CONTROL & DISARMAMENT AGENCY ..	205	-	160	45	260	-	30	230	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-71. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES					OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS		
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES					
TOTAL, ALL AGENCIES .....	22,704,591	4,694,552	14,302,330	1,062,550	557,803	887,913	415,014	457,527	92,899	234,003	
DEPARTMENTS											
DEPARTMENT OF AGRICULTURE, TOTAL .....	32,974	29,471	521	-	2,334	-	104	-	162	382	
AGRICULTURAL MARKETING SERVICE .....	220	220	-	-	-	-	-	-	-	-	
AGRICULTURAL RESEARCH SERVICE .....	26,163	22,903	521	-	2,334	-	104	-	162	139	
FOREST SERVICE .....	6,196	6,196	-	-	-	-	-	-	-	-	
OFF OF INTERNAT'L COOPERATION & DEV .....	310	67	-	-	-	-	-	-	-	243	
OFFICE OF TRANSPORTATION .....	85	85	-	-	-	-	-	-	-	-	
DEPARTMENT OF COMMERCE, TOTAL .....	3,583,170	422,292	1,197,943	997,982	57,336	680,180	39,384	151,967	15,500	20,586	
BUREAU OF THE CENSUS .....	899	899	-	-	-	-	-	-	-	-	
ECONOMIC DEVELOPMENT ADMINISTRATION .....	26,300	2,390	1,909	-	3,000	-	7,938	-	11,063	-	
ENERGY RESEARCH & TECHNOLOGY ADMIN 2/ .....	3,504,620	374,010	1,192,077	997,982	52,391	680,113	31,057	151,967	4,437	20,586	
NATIONAL BUREAU OF STANDARDS .....	16,312	14,686	1,619	-	7	-	-	-	-	-	
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	32,855	28,123	2,338	-	1,938	67	389	-	-	-	
NAT'L TELECOMM & INFORMATION ADMIN .....	1,077	1,077	-	-	-	-	-	-	-	-	
PATENT AND TRADEMARK OFFICE .....	1,107	1,107	-	-	-	-	-	-	-	-	
DEPARTMENT OF DEFENSE, TOTAL .....	13,907,749	3,253,691	9,819,811	55,284	209,911	121,055	77,448	305,030	73	65,446	
DEPARTMENT OF THE ARMY .....	2,707,704	874,445	1,778,221	3,573	8,973	22,854	10,695	7,612	73	1,258	
DEPARTMENT OF THE NAVY .....	4,307,952	1,098,484	2,943,394	51,711	95,199	15,799	38,503	4,708	-	60,154	
DEPARTMENT OF THE AIR FORCE .....	6,351,947	1,050,449	4,815,635	-	103,279	82,402	25,819	270,329	-	4,034	
DEFENSE AGENCIES .....	499,095	192,552	282,561	-	2,322	-	2,431	19,229	-	-	
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	41,051	37,761	-	-	138	-	-	3,152	-	-	
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	434,900	80,956	44,792	9,284	184,771	1,535	94,879	197	13,884	4,602	
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	1,753	1,203	-	-	-	-	550	-	-	-	
HEALTH SERVICES ADMINISTRATION .....	10,084	2,818	-	-	1,362	-	5,342	-	562	-	
HUMAN DEVELOPMENT SERVICES .....	33,810	2,704	6,313	-	10,187	-	11,210	-	3,396	-	
NATIONAL INSTITUTES OF HEALTH .....	384,940	72,488	37,954	9,284	171,416	1,535	77,558	197	9,926	4,582	
OFFICE OF ASST'T SECY FOR HEALTH .....	4,313	1,743	525	-	1,806	-	219	-	-	20	
DEPT OF HOUSING & URBAN DEVELOPMENT .....	31,418	5,969	13,699	-	4,568	-	6,769	-	413	-	
DEPARTMENT OF THE INTERIOR, TOTAL .....	57,268	26,796	22,155	-	5,036	219	2,145	137	650	130	
BONNEVILLE POWER ADMINISTRATION .....	7,675	2,654	4,573	-	277	19	-	17	5	130	
BUREAU OF LAND MANAGEMENT .....	397	197	-	-	200	-	-	-	-	-	
BUREAU OF MINES .....	28,744	8,995	13,227	-	3,662	200	2,145	120	395	-	
BUREAU OF RECLAMATION .....	927	925	-	-	2	-	-	-	-	-	
GEOLOGICAL SURVEY .....	500	10	490	-	-	-	-	-	-	-	
OFFICE OF WATER RSCH & TECHNOLOGY .....	5,300	830	3,790	-	680	-	-	-	-	-	
US FISH & WILDLIFE SERVICE .....	13,725	13,185	75	-	215	-	-	-	250	-	
DEPARTMENT OF JUSTICE, TOTAL .....	7,024	2,182	1,868	-	1,507	-	467	-	1,000	-	
DRUG ENFORCEMENT ADMINISTRATION .....	900	300	600	-	-	-	-	-	-	-	
FEDERAL BUREAU OF INVESTIGATION .....	700	275	425	-	-	-	-	-	-	-	
FEDERAL PRISON SYSTEM .....	850	450	-	-	-	-	-	-	400	-	
IMMIGRATION & NATURALIZATION SVC .....	76	47	29	-	-	-	-	-	-	-	
OFFICE OF THE ATTORNEY GENERAL .....	135	35	53	-	47	-	-	-	-	-	
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	4,363	1,075	761	-	1,460	-	467	-	600	-	
DEPARTMENT OF LABOR, TOTAL .....	3,991	397	451	-	2,500	-	643	-	-	-	
EMPLOYMENT & TRAINING ADMIN .....	3,591	347	101	-	2,500	-	643	-	-	-	
PENSION BENEFIT GUARANTEE CORPORATION .....	400	50	350	-	-	-	-	-	-	-	
DEPARTMENT OF STATE, TOTAL .....	160	45	115	-	-	-	-	-	-	-	
DEPARTMENTAL FUNDS .....	160	45	115	-	-	-	-	-	-	-	

CONTINUED ON NEXT PAGE

TABLE C-71. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1981  
(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES			OTHER				
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS		
DEPARTMENT OF TRANSPORTATION, TOTAL ..	326,950	93,127	149,100	-	20,215	3,800	18,451	-	42,257	-
COAST GUARD .....	11,306	8,479	2,827	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	111,800	26,832	70,458	-	444	3,800	10,266	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	46,100	10,603	4,781	-	6,975	-	278	-	23,463	-
FEDERAL RAILROAD ADMINISTRATION .....	30,400	8,208	19,152	-	608	-	912	-	1,520	-
MARITIME ADMINISTRATION .....	4,660	82	4,040	-	335	-	203	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	36,500	1,620	24,020	-	2,730	-	2,702	-	5,428	-
OFFICE OF THE SECRETARY .....	9,384	6,008	3,240	-	136	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN .....	7,900	3,250	2,863	-	1,787	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN .....	68,900	28,045	17,719	-	7,200	-	4,090	-	11,846	-
DEPARTMENT OF THE TREASURY, TOTAL .....	6,087	1,802	4,100	-	39	-	-	146	-	-
BUREAU OF ALCOHOL, TOBACCO, & FIREARMS .....	200	54	-	-	-	-	-	146	-	-
BUREAU OF ENGRAVING AND PRINTING .....	1,805	1,630	175	-	-	-	-	-	-	-
INTERNAL REVENUE SERVICE .....	12	12	-	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH .....	640	4	636	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE .....	3,430	102	3,289	-	39	-	-	-	-	-
OTHER AGENCIES										
APPALACHIAN REGIONAL COMMISSION .....	95	75	20	-	-	-	-	-	-	-
COMMUNITY SERVICES ADMINISTRATION .....	16,388	1,500	-	-	-	-	14,888	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION .....	318	268	50	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	107,400	44,572	27,192	-	3,785	-	16,169	-	15,682	-
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	2,511	1,487	88	-	3	-	900	-	33	-
FOUNDATION FOR EDUCATION ASSISTANCE 3/ .....	51,074	10,100	3,650	-	19,141	-	16,515	-	1,575	93
GENERAL SERVICES ADMINISTRATION .....	220	220	-	-	-	-	-	-	-	-
INTERNATIONAL COMMUNICATION AGENCY .....	338	33	17	-	130	-	158	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	47,830	2,073	5,323	-	13,608	-	130	-	-	26,696
AGENCY FOR INTERNAT'L DEVELOPMENT ..	47,830	2,073	5,323	-	13,608	-	130	-	-	26,696
LIBRARY OF CONGRESS .....	4,000	3,700	300	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN .....	3,999,444	654,823	3,009,847	-	26,348	81,124	111,144	50	40	116,068
NATIONAL SCIENCE FOUNDATION .....	6,100	420	235	-	4,255	-	1,000	-	190	-
OFFICE OF PERSONNEL MANAGEMENT .....	4,977	2,860	258	-	419	-	-	-	1,440	-
TENNESSEE VALLEY AUTHORITY .....	54,700	40,880	-	-	-	-	13,820	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY .....	805	10	795	-	-	-	-	-	-	-
VETERANS ADMINISTRATION .....	16,700	14,803	-	-	1,897	-	-	-	-	-

- 1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.
  - 2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.
  - 3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.
- SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-72. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA- RURAL 1	EXTRAMURAL UNITED STATES AND TERRITORIES							STATE AND LOCAL GOVTS	FOREIGN
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS- TRIAL FIRMS	UNIVER- SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON- PROFIT INSTI- TUTIONS	FFRDCS ADMIN BY NON- PROFIT INSTI- TUTIONS			
TOTAL, ALL AGENCIES .....	26,359,141	5,492,761	17,237,525	1,059,379	586,619	870,577	414,676	403,125	78,285	216,194	
DEPARTMENTS											
DEPARTMENT OF AGRICULTURE, TOTAL .....	32,024	28,031	777	-	2,748	-	45	-	69	354	
AGRICULTURAL MARKETING SERVICE .....	286	286	-	-	-	-	-	-	-	-	
AGRICULTURAL RESEARCH SERVICE .....	26,207	22,862	577	-	2,548	-	45	-	69	106	
FOREST SERVICE .....	4,415	4,415	-	-	-	-	-	-	-	-	
HUMAN NUTRITION INFORMATION SERVICE .....	700	300	200	-	200	-	-	-	-	-	
OFF OF INTERNAT'L COOPERATION & DEV .....	320	72	-	-	-	-	-	-	-	248	
OFFICE OF TRANSPORTATION .....	96	96	-	-	-	-	-	-	-	-	
DEPARTMENT OF COMMERCE, TOTAL .....	3,102,176	339,223	1,046,703	997,395	32,100	605,351	17,690	36,785	11,060	13,869	
BUREAU OF THE CENSUS .....	986	986	-	-	-	-	-	-	-	-	
ECONOMIC DEVELOPMENT ADMINISTRATION .....	6,500	1,600	300	-	1,900	-	1,700	-	1,000	-	
ENERGY RESEARCH & TECHNOLOGY ADMIN 2/ .....	3,041,224	292,148	1,041,877	997,395	28,065	605,351	15,674	36,785	10,060	13,869	
NATIONAL BUREAU OF STANDARDS .....	18,468	15,842	2,419	-	207	-	-	-	-	-	
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	33,169	26,818	4,107	-	1,928	-	316	-	-	-	
NAT'L TELECOMM & INFORMATION ADMIN .....	1,195	1,195	-	-	-	-	-	-	-	-	
PATENT AND TRADEMARK OFFICE .....	634	634	-	-	-	-	-	-	-	-	
DEPARTMENT OF DEFENSE, TOTAL .....	17,719,132	4,168,066	12,543,276	52,751	268,291	145,087	117,397	366,018	64	58,182	
DEPARTMENT OF THE ARMY .....	3,118,702	1,065,214	1,996,079	1,829	7,022	26,684	12,322	8,981	64	507	
DEPARTMENT OF THE NAVY .....	5,049,575	1,119,554	3,652,040	50,922	98,310	22,335	48,688	5,615	-	52,111	
DEPARTMENT OF THE AIR FORCE .....	8,763,352	1,628,325	6,495,263	-	160,425	96,068	53,475	324,232	-	5,564	
DEFENSE AGENCIES .....	736,603	310,197	398,394	-	2,403	-	2,912	22,697	-	-	
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	50,900	44,776	1,500	-	131	-	-	4,493	-	-	
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	413,753	73,703	43,135	9,158	181,953	1,502	87,539	172	11,724	4,867	
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	1,500	1,000	-	-	-	-	500	-	-	-	
HEALTH SERVICES ADMINISTRATION .....	2,033	132	-	-	521	-	1,080	-	300	-	
HUMAN DEVELOPMENT SERVICES .....	26,237	2,516	5,114	-	8,703	-	7,966	-	1,938	-	
NATIONAL INSTITUTES OF HEALTH .....	381,600	69,191	37,778	9,158	171,567	1,502	77,888	172	9,486	4,858	
OFFICE OF ASST'T SECY FOR HEALTH .....	2,383	864	243	-	1,162	-	105	-	-	9	
DEPT OF HOUSING & URBAN DEVELOPMENT .....	21,461	4,040	9,258	-	3,120	-	4,678	-	365	-	
DEPARTMENT OF THE INTERIOR, TOTAL .....	53,554	24,668	21,042	-	4,964	200	2,000	100	580	-	
BONNEVILLE POWER ADMINISTRATION .....	7,773	2,118	5,472	-	183	-	-	-	-	-	
BUREAU OF LAND MANAGEMENT .....	430	230	-	-	200	-	-	-	-	-	
BUREAU OF MINES .....	24,766	7,610	11,000	-	3,556	200	2,000	100	300	-	
BUREAU OF RECLAMATION .....	415	415	-	-	-	-	-	-	-	-	
GEOLOGICAL SURVEY .....	500	10	490	-	-	-	-	-	-	-	
OFFICE OF WATER RSCH & TECHNOLOGY .....	5,525	800	4,000	-	725	-	-	-	-	-	
US FISH & WILDLIFE SERVICE .....	14,145	13,485	80	-	300	-	-	-	280	-	
DEPARTMENT OF JUSTICE, TOTAL .....	10,841	2,439	5,425	-	970	-	1,065	-	942	-	
DRUG ENFORCEMENT ADMINISTRATION .....	2,400	600	1,800	-	-	-	-	-	-	-	
FEDERAL BUREAU OF INVESTIGATION .....	2,149	275	1,874	-	-	-	-	-	-	-	
FEDERAL PRISON SYSTEM .....	950	550	-	-	-	-	-	-	400	-	
IMMIGRATION & NATURALIZATION SVC .....	900	47	853	-	-	-	-	-	-	-	
OFFICE OF THE ATTORNEY GENERAL .....	101	1	80	-	20	-	-	-	-	-	
OFF OF JUSTICE ASSIST. RSCH, & STAT .....	4,341	966	818	-	950	-	1,065	-	542	-	
DEPARTMENT OF LABOR, TOTAL .....	1,561	146	915	-	200	-	300	-	-	-	
EMPLOYMENT & TRAINING ADMIN .....	984	112	372	-	200	-	300	-	-	-	
PENSION BENEFIT GUARANTEE CORPORATION .....	577	34	543	-	-	-	-	-	-	-	

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TABLE C-72. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1982 (ESTIMATED)  
(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES							
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS		
DEPARTMENT OF TRANSPORTATION, TOTAL ..	258,661	71,289	116,840	-	15,257	3,697	15,956	-	35,622	-
COAST GUARD .....	7,875	3,623	4,252	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	93,600	25,491	54,288	-	273	3,697	9,851	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	44,900	10,327	4,645	-	6,805	-	269	-	22,854	-
FEDERAL RAILROAD ADMINISTRATION .....	29,500	7,965	18,585	-	590	-	885	-	1,475	-
MARITIME ADMINISTRATION .....	2,786	200	2,186	-	-	-	300	-	100	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	32,500	1,444	21,387	-	2,430	-	2,406	-	4,833	-
OFFICE OF THE SECRETARY .....	3,390	2,865	425	-	100	-	-	-	-	-
RESEARCH & SPECIAL PROGRAMS ADMIN .....	6,700	4,036	1,345	-	1,319	-	-	-	-	-
URBAN MASS TRANSPORTATION ADMIN .....	37,410	15,338	9,727	-	3,740	-	2,245	-	6,360	-
DEPARTMENT OF THE TREASURY, TOTAL ....	5,587	2,191	3,321	75	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING .....	2,607	2,091	516	-	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH .....	45	5	40	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE .....	2,935	95	2,765	75	-	-	-	-	-	-
OTHER AGENCIES										
APPALACHIAN REGIONAL COMMISSION .....	100	50	-	-	-	-	-	-	50	-
CONSUMER PRODUCT SAFETY COMMISSION .....	163	163	-	-	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	100,500	38,894	24,723	-	2,814	-	17,576	-	16,493	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/	43,413	8,886	2,850	-	15,725	-	14,594	-	1,275	83
GENERAL SERVICES ADMINISTRATION .....	280	280	-	-	-	-	-	-	-	-
INTERNATIONAL COMMUNICATION AGENCY .....	304	83	9	-	94	-	118	-	-	-
INTERNAT'L DEV COOPERATION AGENCY .....	54,446	2,240	4,739	-	24,008	-	720	-	-	22,739
AGENCY FOR INTERNAT'L DEVELOPMENT ..	54,446	2,240	4,739	-	24,008	-	720	-	-	22,739
LIBRARY OF CONGRESS .....	4,600	4,200	400	-	-	-	-	-	-	-
NATIONAL AERONAUTICS & SPACE ADMIN ...	4,456,487	660,625	3,411,859	-	33,000	114,740	120,072	50	441	116,100
OFFICE OF PERSONNEL MANAGEMENT .....	2,998	2,835	163	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY .....	62,600	47,674	-	-	-	-	14,926	-	-	-
US ARMS CONTROL & DISARMAMENT AGENCY ..	100	10	90	-	-	-	-	-	-	-
VETERANS ADMINISTRATION .....	14,400	13,025	-	-	1,375	-	-	-	-	-

1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-73. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							STATE AND LOCAL GOVTS	FOREIGN	
			UNITED STATES AND TERRITORIES					FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS			FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES					
TOTAL, ALL AGENCIES .....	29,708,899	5,761,507	20,305,452	1,033,981	589,868	855,205	444,230	464,747	63,895	190,014		
DEPARTMENTS												
DEPARTMENT OF AGRICULTURE, TOTAL .....	30,744	26,199	950	-	3,131	-	45	-	69	350		
AGRICULTURAL RESEARCH SERVICE .....	26,207	22,300	750	-	2,931	-	45	-	69	122		
FOREST SERVICE .....	3,430	3,430	-	-	-	-	-	-	-	-		
HUMAN NUTRITION INFORMATION SERVICE .....	700	300	200	-	200	-	-	-	-	-		
OFF OF INTERNAT'L COOPERATION & DEV .....	313	75	-	-	-	-	-	-	-	238		
OFFICE OF TRANSPORTATION .....	94	94	-	-	-	-	-	-	-	-		
DEPARTMENT OF COMMERCE, TOTAL .....	2,493,671	120,854	776,548	966,803	14,005	569,508	14,392	18,090	2,806	10,665		
BUREAU OF THE CENSUS .....	1,074	1,074	-	-	-	-	-	-	-	-		
ENERGY RESEARCH & TECHNOLOGY ADMIN 2/ .....	2,445,082	78,365	773,012	966,803	11,684	569,508	14,149	18,090	2,806	10,665		
NATIONAL BUREAU OF STANDARDS .....	8,205	8,205	-	-	-	-	-	-	-	-		
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	37,618	31,518	3,536	-	2,321	-	243	-	-	-		
NAT'L TELECOMM & INFORMATION ADMIN .....	998	998	-	-	-	-	-	-	-	-		
PATENT AND TRADEMARK OFFICE .....	694	694	-	-	-	-	-	-	-	-		
DEPARTMENT OF DEFENSE, TOTAL .....	21,193,568	4,717,476	15,316,728	56,982	308,144	158,995	167,083	435,013	67	33,080		
DEPARTMENT OF THE ARMY .....	3,885,703	1,213,156	2,591,705	2,274	12,421	28,594	26,872	10,036	67	578		
DEPARTMENT OF THE NAVY .....	5,400,090	1,210,429	3,914,549	54,708	92,918	26,251	67,342	7,810	-	26,083		
DEPARTMENT OF THE AIR FORCE .....	10,698,805	1,685,953	8,251,707	-	198,384	104,150	66,128	386,064	-	6,419		
DEFENSE AGENCIES .....	1,150,570	555,646	557,067	-	4,421	-	6,741	26,695	-	-		
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	58,400	52,292	1,700	-	-	-	-	4,408	-	-		
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	414,500	73,311	40,149	10,096	180,449	1,792	85,194	201	18,169	5,139		
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	1,710	1,135	-	-	-	-	575	-	-	-		
HUMAN DEVELOPMENT SERVICES .....	22,159	2,188	1,487	-	6,412	-	4,394	-	7,678	-		
NATIONAL INSTITUTES OF HEALTH .....	388,300	69,282	38,442	10,096	172,735	1,792	80,130	201	10,491	5,131		
OFFICE OF ASST'T SECY FOR HEALTH .....	2,331	706	220	-	1,302	-	95	-	-	8		
DEPT OF HOUSING & URBAN DEVELOPMENT .....	18,640	3,508	8,041	-	2,710	-	4,064	-	317	-		
DEPARTMENT OF THE INTERIOR, TOTAL .....	46,005	24,237	14,825	-	4,143	200	2,000	100	500	-		
BONNEVILLE POWER ADMINISTRATION .....	10,266	3,238	6,735	-	293	-	-	-	-	-		
BUREAU OF LAND MANAGEMENT .....	430	330	-	-	100	-	-	-	-	-		
BUREAU OF MINES .....	21,046	7,146	8,000	-	3,400	200	2,000	100	200	-		
BUREAU OF RECLAMATION .....	778	778	-	-	-	-	-	-	-	-		
US FISH & WILDLIFE SERVICE .....	13,485	12,745	90	-	350	-	-	-	300	-		
DEPARTMENT OF JUSTICE, TOTAL .....	6,690	1,473	3,847	-	420	-	200	-	750	-		
DRUG ENFORCEMENT ADMINISTRATION .....	1,300	400	900	-	-	-	-	-	-	-		
FEDERAL BUREAU OF INVESTIGATION .....	1,099	275	824	-	-	-	-	-	-	-		
FEDERAL PRISON SYSTEM .....	950	550	-	-	-	-	-	-	400	-		
IMMIGRATION & NATURALIZATION SVC .....	200	47	153	-	-	-	-	-	-	-		
OFFICE OF THE ATTORNEY GENERAL .....	101	1	80	-	20	-	-	-	-	-		
OFF OF JUSTICE ASSIST, RSCH, & STAT .....	3,040	200	1,890	-	400	-	200	-	350	-		
DEPARTMENT OF LABOR, TOTAL .....	465	58	407	-	-	-	-	-	-	-		
PENSION BENEFIT GUARANTEE CORPORATION .....	465	58	407	-	-	-	-	-	-	-		

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TABLE C-73. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY AGENCY AND PERFORMER: FISCAL YEAR 1983 (ESTIMATED)  
(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	TOTAL	INTRA-MURAL 1/	EXTRAMURAL							STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES				OTHER TERRITORIES				
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTI-TUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTI-TUTIONS			
DEPARTMENT OF TRANSPORTATION, TOTAL ..	293,165	67,317	155,795	-	14,820	-	9,390	11,293	34,550	-	
COAST GUARD .....	6,825	3,481	3,344	-	-	-	-	-	-	-	
FEDERAL AVIATION ADMINISTRATION .....	143,500	29,515	98,024	-	488	-	4,180	11,293	-	-	
FEDERAL HIGHWAY ADMINISTRATION .....	146,600	10,718	4,738	-	7,145	-	280	-	23,719	-	
FEDERAL RAILROAD ADMINISTRATION .....	16,600	4,482	10,458	-	332	-	498	-	830	-	
MARITIME ADMINISTRATION .....	4,040	200	3,400	-	-	-	200	-	240	-	
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	36,500	1,622	24,020	-	2,730	-	2,702	-	5,426	-	
OFFICE OF THE SECRETARY .....	7,200	3,204	3,896	-	100	-	-	-	-	-	
RESEARCH & SPECIAL PROGRAMS ADMIN ..	6,400	3,640	1,285	-	1,475	-	-	-	-	-	
URBAN MASS TRANSPORTATION ADMIN .....	25,500	10,455	6,630	-	2,550	-	1,530	-	4,335	-	
DEPARTMENT OF THE TREASURY, TOTAL .....	3,430	485	2,845	100	-	-	-	-	-	-	
BUREAU OF ENGRAVING AND PRINTING ...	430	355	45	-	-	-	-	-	-	-	
UNITED STATES CUSTOMS SERVICE .....	3,000	100	2,800	100	-	-	-	-	-	-	
OTHER AGENCIES											
CONSUMER PRODUCT SAFETY COMMISSION ...	401	326	75	-	-	-	-	-	-	-	
ENVIRONMENTAL PROTECTION AGENCY .....	70,100	34,652	15,575	-	1,844	-	12,678	-	5,351	-	
FOUNDATION FOR EDUCATION ASSISTANCE 3/	42,415	8,584	2,850	-	15,030	-	14,676	-	1,275	-	
INTERNATIONAL COMMUNICATION AGENCY ...	4	2	2	-	-	-	-	-	-	-	
INTERNAT'L DEV COOPERATION AGENCY .....	40,415	1,370	2,662	-	11,072	-	631	-	-	24,680	
AGENCY FOR INTERNAT'L DEVELOPMENT ..	40,415	1,370	2,662	-	11,072	-	631	-	-	24,680	
LIBRARY OF CONGRESS .....	4,600	4,200	400	-	-	-	-	-	-	-	
NATIONAL AERONAUTICS & SPACE ADMIN .....	4,981,168	609,992	3,963,398	-	33,000	124,710	133,877	50	41	116,100	
OFFICE OF PERSONNEL MANAGEMENT .....	2,918	2,753	165	-	-	-	-	-	-	-	
TENNESSEE VALLEY AUTHORITY .....	50,800	50,800	-	-	-	-	-	-	-	-	
US ARMS CONTROL & DISARMAMENT AGENCY .	200	10	190	-	-	-	-	-	-	-	
VETERANS ADMINISTRATION .....	15,000	13,900	-	-	1,100	-	-	-	-	-	

- 1/ INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.
  - 2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.
  - 3/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.
- SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-74. FEDERAL FUNDS FOR R&amp;D PLANT, BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	OBLIGATIONS			OBLIGATIONS		
	1981	ESTIMATES		1981	ESTIMATES	
		1982	1983		1982	1983
TOT., ALL AGENCIES .....	1,485,710	1,483,865	1,298,599	1,606,726	1,695,281	1,207,922
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL .....	20,750	34,646	30,238	39,026	39,384	33,911
AGRICULTURAL RESEARCH SERVICE .....	17,550	34,261	20,988	35,826	36,660	31,192
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	8,800	-	-	1,760
FOREST SERVICE .....	3,200	385	450	3,200	2,724	959
DEPARTMENT OF COMMERCE, TOTAL .....	979,524	984,054	693,048	1,085,809	1,182,503	646,093
ENERGY RESEARCH AND TECHNOLOGY ADMIN. 1/ .....	978,194	975,091	689,785	1,084,468	1,175,092	643,128
NATIONAL BUREAU OF STANDARDS .....	503	8,963	3,263	514	7,411	2,965
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION .....	827	-	-	827	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	277,700	285,200	365,900	238,500	248,200	320,200
DEPARTMENT OF THE ARMY .....	12,800	27,800	32,900	8,900	13,300	23,800
DEPARTMENT OF THE NAVY .....	97,900	110,500	127,200	92,200	95,700	115,600
DEPARTMENT OF THE AIR FORCE .....	159,600	138,300	199,000	130,000	130,600	174,000
DEFENSE AGENCIES .....	7,400	8,600	6,800	7,400	8,600	6,800
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL .....	23,711	34,847	54,600	42,630	33,892	34,974
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION .....	230	6,792	100	130	1,092	3,774
FOOD & DRUG ADMINISTRATION .....	1,200	2,000	35,000	500	1,000	3,500
NATIONAL INSTITUTES OF HEALTH .....	22,281	26,055	19,500	42,000	31,800	27,700
DEPARTMENT OF THE INTERIOR, TOTAL .....	3,453	1,739	1,723	4,101	2,005	1,623
BONNEVILLE POWER ADMINISTRATION .....	274	369	323	274	369	323
BUREAU OF MINES .....	629	334	-	2,077	300	300
OFFICE OF WATER RESEARCH & TECHNOLOGY .....	750	536	-	750	536	-
UNITED STATES FISH AND WILDLIFE SERVICE .....	1,800	500	1,400	1,000	800	1,000
DEPARTMENT OF TRANSPORTATION, TOTAL .....	18,914	14,342	9,400	16,200	19,800	8,100
FEDERAL AVIATION ADMINISTRATION .....	8,900	6,000	8,800	6,100	4,300	6,200
FEDERAL HIGHWAY ADMINISTRATION .....	14	42	-	2,800	4,300	-
FEDERAL RAILROAD ADMINISTRATION .....	9,500	7,700	-	6,800	10,600	1,300
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION .....	500	600	600	500	600	600
DEPARTMENT OF THE TREASURY, TOTAL .....	50	50	50	50	50	50
UNITED STATES CUSTOMS SERVICE .....	50	50	50	50	50	50
OTHER AGENCIES						
INTERNATIONAL DEVELOPMENT COOPERATION AGENCY .....	8,012	7,890	7,900	6,204	9,274	12,022
AGENCY FOR INTERNATIONAL DEVELOPMENT .....	8,012	7,890	7,900	6,204	9,274	12,022
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION .....	115,750	98,700	100,000	146,905	134,900	121,800
NATIONAL SCIENCE FOUNDATION .....	14,626	10,950	24,082	12,700	9,500	15,200
NUCLEAR REGULATORY COMMISSION .....	7,659	6,900	6,200	7,276	6,624	5,828
SMITHSONIAN INSTITUTION .....	400	1,307	725	400	999	720
TENNESSEE VALLEY AUTHORITY .....	400	800	500	400	800	500
VETERANS ADMINISTRATION .....	14,761	2,440	4,233	6,525	7,350	6,901

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-75. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY AND PERFORMER OF THE RESEARCH AND DEVELOPMENT THE PLANT SUPPORTS:  
FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	FEDERAL INTRA- MURAL	EXTRAMURAL						STATE AND LOCAL GOVTS	FOREIGN
			UNITED STATES AND TERRITORIES			EXTRAMURAL				
			INDUS- TRIAL FIRMS	FFRDCS ADMIN BY INDUS- TRIAL FIRMS	UNIVER- SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON- PROFIT INSTI- TUTIONS	FFRDCS ADMIN BY NON- PROFIT INSTI- TUTIONS		
TOTAL, ALL AGENCIES .....	1,485,710	467,960	302,100	246,549	37,047	370,878	41,311	15,065	-	4,800
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	20,750	20,750	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	17,550	17,550	-	-	-	-	-	-	-	-
FOREST SERVICE .....	3,200	3,200	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	979,524	15,100	292,532	241,192	21,763	355,104	39,227	14,606	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	978,194	14,916	292,189	241,192	20,960	355,104	39,227	14,606	-	-
NATIONAL BUREAU OF STANDARDS .....	503	160	343	-	-	-	-	-	-	-
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	827	24	-	-	803	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	277,700	270,445	1,238	-	4,967	1,048	2	-	-	-
DEPARTMENT OF THE ARMY .....	12,800	12,800	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY .....	97,900	97,900	-	-	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE .....	159,600	159,600	-	-	-	-	-	-	-	-
DEFENSE AGENCIES .....	7,400	145	1,238	-	4,967	1,048	2	-	-	-
DEPT. OF HLTH & HUMAN SERVICES, TOTAL ..	23,711	21,684	-	-	2,027	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	230	230	-	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION .....	1,200	1,200	-	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	22,281	20,254	-	-	2,027	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	3,453	2,703	750	-	-	-	-	-	-	-
BONNEVILLE POWER ADMINISTRATION .....	274	274	-	-	-	-	-	-	-	-
BUREAU OF MINES .....	629	629	-	-	-	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	750	-	750	-	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE .....	1,800	1,800	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	18,914	12,454	6,460	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	8,900	8,900	-	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	14	14	-	-	-	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION .....	9,500	3,040	6,460	-	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	500	500	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	50	50	-	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE .....	50	50	-	-	-	-	-	-	-	-
OTHER AGENCIES										
INTERNAT'L DEV COOPERATION AGENCY .....	8,012	10	1,120	-	-	-	2,082	-	-	4,800
AGENCY FOR INTERNAT'L DEVELOPMENT ..	8,012	10	1,120	-	-	-	2,082	-	-	4,800
NATIONAL AERONAUTICS & SPACE ADMIN .....	115,750	103,271	-	-	-	12,479	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	14,626	5,906	-	-	8,036	684	-	-	-	-
NUCLEAR REGULATORY COMMISSION .....	7,652	26	-	5,357	254	1,563	-	459	-	-
SMITHSONIAN INSTITUTION .....	400	400	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY .....	400	400	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION .....	14,761	14,761	-	-	-	-	-	-	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-76. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY AND PERFORMER OF THE RESEARCH AND DEVELOPMENT THE PLANT SUPPORTS:  
FISCAL YEAR 1982 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	FEDERAL INTRA- MURAL	EXTRAMURAL							FOREIGN
			UNITED STATES AND TERRITORIES				OTHER			
			INDUS- TRIAL FIRMS	FFRDCS ADMIN BY INDUS- TRIAL FIRMS	UNIVER- SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	NON- PROFIT INSTI- TUTIONS	FFRDCS ADMIN BY NON- PROFIT INSTI- TUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES .....	1,483,865	460,277	188,806	294,691	32,948	433,233	61,600	8,090	-	4,220
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	34,646	34,646	-	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	34,261	34,261	-	-	-	-	-	-	-	-
FOREST SERVICE .....	385	385	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	984,054	11,397	180,305	290,559	20,470	414,836	59,082	7,405	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN 1/ .....	975,091	9,677	173,062	290,559	20,470	414,836	59,082	7,405	-	-
NATIONAL BUREAU OF STANDARDS .....	8,963	1,720	7,243	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	285,200	277,136	1,319	-	5,152	1,575	18	-	-	-
DEPARTMENT OF THE ARMY .....	27,800	27,800	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY .....	110,500	110,500	-	-	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE .....	138,300	138,300	-	-	-	-	-	-	-	-
DEFENSE AGENCIES .....	8,600	536	1,319	-	5,152	1,575	18	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	34,847	33,847	-	-	1,000	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	6,792	6,792	-	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION .....	2,000	2,000	-	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	26,055	25,055	-	-	1,000	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	1,739	1,203	536	-	-	-	-	-	-	-
BONNEVILLE POWER ADMINISTRATION ....	369	369	-	-	-	-	-	-	-	-
BUREAU OF MINES .....	334	334	-	-	-	-	-	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ...	536	-	536	-	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE .....	500	500	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	14,342	9,106	5,236	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION ....	6,000	6,000	-	-	-	-	-	-	-	-
FEDERAL HIGHWAY ADMINISTRATION .....	42	42	-	-	-	-	-	-	-	-
FEDERAL RAILROAD ADMINISTRATION ....	7,700	2,464	5,236	-	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	600	600	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	50	50	-	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE .....	50	50	-	-	-	-	-	-	-	-
OTHER AGENCIES										
INTERNAT'L DEV COOPERATION AGENCY ....	7,890	10	1,160	-	-	-	2,500	-	-	4,220
AGENCY FOR INTERNAT'L DEVELOPMENT ..	7,890	10	1,160	-	-	-	2,500	-	-	4,220
NATIONAL AERONAUTICS & SPACE ADMIN ...	98,700	85,685	-	-	-	13,015	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	10,950	2,550	-	-	6,250	2,150	-	-	-	-
NUCLEAR REGULATORY COMMISSION .....	6,900	100	250	4,132	76	1,657	-	685	-	-
SMITHSONIAN INSTITUTION .....	1,307	1,307	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY .....	800	800	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION .....	2,440	2,440	-	-	-	-	-	-	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-77. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY AND PERFORMER OF THE RESEARCH AND DEVELOPMENT THE PLANT SUPPORTS:  
FISCAL YEAR 1983 (ESTIMATED)

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	FEDERAL INTRA- MURAL	EXTRAMURAL UNITED STATES AND TERRITORIES							FOREIGN
			INDUS- TRIAL FIRMS	FFRDCS ADMIN BY INDUS- TRIAL FIRMS	UNIVER- SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON- PROFIT INSTI- TUTIONS	FFRDCS ADMIN BY NON- PROFIT INSTI- TUTIONS	STATE AND LOCAL GOVTS	
TOTAL, ALL AGENCIES .....	1,298,599	559,203	73,140	189,474	45,898	274,477	146,242	5,315	-	4,850
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	30,238	21,790	-	-	8,448	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	20,988	20,988	-	-	-	-	-	-	-	-
COOPERATIVE STATE RESEARCH SERVICE .....	8,800	352	-	-	8,448	-	-	-	-	-
FOREST SERVICE .....	450	450	-	-	-	-	-	-	-	-
DEPARTMENT OF COMMERCE, TOTAL .....	693,048	7,155	70,863	185,754	13,574	266,717	144,290	4,695	-	-
ENERGY RESEARCH AND TECHNOLOGY ADMIN .....	689,785	5,534	69,221	185,754	13,574	266,717	144,290	4,695	-	-
NATIONAL BUREAU OF STANDARDS .....	3,263	1,621	1,642	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	365,900	359,520	929	-	5,364	75	12	-	-	-
DEPARTMENT OF THE ARMY .....	32,900	32,900	-	-	-	-	-	-	-	-
DEPARTMENT OF THE NAVY .....	127,200	127,200	-	-	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE .....	199,000	199,000	-	-	-	-	-	-	-	-
DEFENSE AGENCIES .....	6,800	420	929	-	5,364	75	12	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	54,600	53,600	-	-	1,000	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	100	100	-	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION .....	35,000	35,000	-	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	19,500	18,500	-	-	1,000	-	-	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	1,723	1,723	-	-	-	-	-	-	-	-
BONNEVILLE POWER ADMINISTRATION .....	323	323	-	-	-	-	-	-	-	-
US FISH & WILDLIFE SERVICE .....	1,400	1,400	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL ..	9,400	9,400	-	-	-	-	-	-	-	-
FEDERAL AVIATION ADMINISTRATION .....	8,800	8,800	-	-	-	-	-	-	-	-
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	600	600	-	-	-	-	-	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	50	50	-	-	-	-	-	-	-	-
UNITED STATES CUSTOMS SERVICE .....	50	50	-	-	-	-	-	-	-	-
OTHER AGENCIES										
INTERNAT'L DEV COOPERATION AGENCY .....	7,900	10	1,100	-	-	-	1,940	-	-	4,850
AGENCY FOR INTERNAT'L DEVELOPMENT ..	7,900	10	1,100	-	-	-	1,940	-	-	4,850
NATIONAL AERONAUTICS & SPACE ADMIN ...	100,000	95,485	-	-	-	4,515	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	24,082	4,950	-	-	17,450	1,682	-	-	-	-
NUCLEAR REGULATORY COMMISSION .....	6,200	62	248	3,720	62	1,488	-	620	-	-
SMITHSONIAN INSTITUTION .....	725	725	-	-	-	-	-	-	-	-
TENNESSEE VALLEY AUTHORITY .....	500	500	-	-	-	-	-	-	-	-
VETERANS ADMINISTRATION .....	4,233	4,233	-	-	-	-	-	-	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-78. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1981	ESTIMATES	
		1982	1983
TOTAL; ALL FIELDS .....	3,706,877	3,818,075	4,006,448
LIFE SCIENCES, TOTAL .....	2,117,191	2,208,823	2,267,668
BIOLOGICAL (EXCLUDING ENVIRONMENTAL) .....	1,116,265	1,160,436	1,182,289
ENVIRONMENTAL BIOLOGY .....	38,323	39,204	42,359
AGRICULTURAL .....	139,572	154,574	160,693
MEDICAL .....	754,112	783,212	811,188
LIFE SCIENCES, NEC .....	68,919	71,397	71,139
PSYCHOLOGY, TOTAL .....	92,715	89,414	99,711
BIOLOGICAL ASPECTS .....	29,645	28,120	32,877
SOCIAL ASPECTS .....	32,105	29,647	34,528
PSYCHOLOGICAL SCIENCES, NEC .....	30,965	31,647	32,306
PHYSICAL SCIENCES, TOTAL .....	525,167	545,101	593,007
ASTRONOMY .....	47,886	51,793	51,206
CHEMISTRY .....	193,477	172,040	208,517
PHYSICS .....	274,504	291,728	325,735
PHYSICAL SCIENCES, NEC .....	9,300	9,540	7,549
ENVIRONMENTAL SCIENCES, TOTAL .....	280,329	284,017	300,480
ATMOSPHERIC .....	82,690	84,069	82,296
GEOLOGICAL .....	71,424	70,407	76,035
OCEANOGRAPHY .....	109,459	115,186	130,347
ENVIRONMENTAL SCIENCES, NEC .....	16,756	14,355	11,802
MATHEMATICS & COMPUTER SCIENCES, TOTAL .....	121,389	141,632	168,606
MATHEMATICS .....	59,485	64,320	73,096
COMPUTER SCIENCES .....	50,169	66,472	80,670
MATHEMATICS & COMPUTER SCIENCES, NEC .....	11,735	10,840	14,840
ENGINEERING, TOTAL .....	365,346	368,504	392,563
AERONAUTICAL .....	39,277	40,819	44,810
ASTRONAUTICAL .....	8,752	7,947	9,431
CHEMICAL .....	21,896	21,244	23,254
CIVIL .....	24,910	27,361	25,849
ELECTRICAL .....	86,087	90,217	101,071
MECHANICAL .....	36,331	39,327	42,887
METALLURGY & MATERIALS .....	69,505	74,115	83,377
ENGINEERING, NEC .....	78,588	67,474	61,884
SOCIAL SCIENCES, TOTAL .....	136,377	121,245	124,138
ANTHROPOLOGY .....	5,793	5,229	5,460
ECONOMICS .....	48,931	50,734	49,381
POLITICAL SCIENCE .....	4,008	2,912	2,957
SOCIOLOGY .....	24,937	21,008	22,547
SOCIAL SCIENCES, NEC .....	52,708	41,362	43,793
OTHER SCIENCES, NEC .....	68,363	59,339	60,275

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981, 1982, AND 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-79. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY AGENCY AND FIELD OF SCIENCE:  
FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY-CHOLOGY	PHYSICAL SCIENCES	ENVIRON-MENTAL SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES	ENGI-NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES .....	3,706,877	2,117,191	92,715	525,167	280,329	121,389	365,346	136,377	68,363
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	240,383	176,497	-	12,186	1,719	1,492	8,394	40,095	-
AGRICULTURAL COOPERATIVE SERVICE ....	526	-	-	-	-	-	-	526	-
AGRICULTURAL MARKETING SERVICE .....	30	30	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	32,546	25,326	-	3,871	233	249	2,669	198	-
COOPERATIVE STATE RESEARCH SERVICE ..	191,573	139,356	-	8,315	1,045	-	5,725	37,132	-
ECONOMIC RESEARCH SERVICE .....	1,847	-	-	-	-	284	-	1,563	-
FOREST SERVICE .....	13,013	11,785	-	-	441	111	-	676	-
STATISTICAL REPORTING SERVICE .....	848	-	-	-	-	848	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	362,966	30,035	13,552	66,827	54,454	56,138	141,309	258	393
DEPARTMENT OF THE ARMY .....	55,545	13,076	1,158	10,615	4,418	5,990	20,112	22	154
DEPARTMENT OF THE NAVY .....	133,402	8,562	5,959	30,443	41,436	17,680	29,322	-	-
DEPARTMENT OF THE AIR FORCE .....	134,487	8,197	5,726	24,327	7,150	9,509	79,436	-	142
DEFENSE AGENCIES .....	39,532	200	709	1,442	1,450	22,959	12,439	236	97
DEPARTMENT OF ENERGY .....	248,338	33,974	-	140,357	20,664	4,593	47,250	1,000	500
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	2,000,154	1,740,055	67,885	51,351	-	3,975	32,959	65,076	38,853
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	116,316	55,363	38,913	465	-	-	84	17,070	4,421
CENTERS FOR DISEASE CONTROL .....	6,394	6,394	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION .....	5,726	5,726	-	-	-	-	-	10,075	-
HEALTH CARE FINANCING ADMIN .....	10,075	-	-	-	-	-	-	-	4,516
HEALTH RESOURCES ADMINISTRATION .....	4,516	-	-	-	-	-	-	-	-
HEALTH SERVICES ADMINISTRATION .....	2,503	2,503	-	-	-	-	-	-	-
HUMAN DEVELOPMENT SERVICES .....	23,739	9,744	1,298	-	-	-	3,731	8,966	-
NATIONAL INSTITUTES OF HEALTH .....	1,812,950	1,660,325	27,674	50,886	-	3,975	29,144	11,030	29,916
OFFICE OF ASSTY SECY FOR HEALTH ...	12,585	-	-	-	-	-	-	12,585	-
OFFICE OF THE SECRETARY .....	1,515	-	-	-	-	-	-	1,515	-
SOCIAL SECURITY ADMINISTRATION .....	3,835	-	-	-	-	-	-	3,835	-
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN ...	157,152	9,994	1,053	57,697	47,470	3,003	34,600	199	3,136
NATIONAL SCIENCE FOUNDATION .....	697,884	126,636	10,225	196,749	156,022	52,188	100,834	29,749	25,481

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-80. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BID-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCH-LOGICAL SCIENCES NEC	TOTAL	BID-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES .....	92,715	29,645	32,105	30,965	2,117,191	1,116,265	38,323	139,572	754,112	68,919
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	-	-	-	-	176,497	28,625	1,036	139,074	7,762	-
AGRICULTURAL MARKETING SERVICE .....	-	-	-	-	30	-	-	30	-	-
AGRICULTURAL RESEARCH SERVICE .....	-	-	-	-	25,326	2,000	1,036	22,085	205	-
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	-	-	139,356	14,840	-	116,959	7,557	-
FOREST SERVICE .....	-	-	-	-	11,785	11,785	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	13,552	53	13,172	327	30,035	15,497	1,504	92	12,901	41
DEPARTMENT OF THE ARMY .....	1,158	2	1,108	48	13,076	1,267	275	92	11,401	41
DEPARTMENT OF THE NAVY .....	5,959	-	5,800	159	8,562	7,169	-	-	1,393	-
DEPARTMENT OF THE AIR FORCE .....	5,726	-	5,726	-	8,197	6,861	1,229	-	107	-
DEFENSE AGENCIES .....	709	51	538	120	200	200	-	-	-	-
DEPARTMENT OF ENERGY .....	-	-	-	-	33,974	25,466	-	-	5,018	3,490
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	67,885	22,471	15,652	29,762	1,740,055	951,266	64	-	726,201	62,524
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	38,913	22,471	15,652	790	55,363	33,437	64	-	18,647	3,215
CENTERS FOR DISEASE CONTROL .....	-	-	-	-	6,394	-	-	-	6,394	-
FOOD & DRUG ADMINISTRATION .....	-	-	-	-	5,726	5,039	-	-	687	-
HEALTH SERVICES ADMINISTRATION .....	-	-	-	-	2,503	-	-	-	2,503	-
HUMAN DEVELOPMENT SERVICES .....	1,298	-	-	1,298	9,744	-	-	-	8,622	1,122
NATIONAL INSTITUTES OF HEALTH .....	27,674	-	-	27,674	1,660,325	912,790	-	-	689,348	58,187
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN ...	1,053	128	99	826	9,994	4,167	494	399	2,230	2,704
NATIONAL SCIENCE FOUNDATION .....	10,225	6,993	3,182	50	126,636	91,244	35,225	7	-	160

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-81. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	525,167	47,886	193,477	274,504	9,300	280,329	82,690	71,424	109,459	16,756
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	12,186	-	11,933	253	-	1,719	1,519	200	-	-
AGRICULTURAL RESEARCH SERVICE .....	3,871	-	3,618	253	-	233	172	61	-	-
COOPERATIVE STATE RESEARCH SERVICE ..	8,315	-	8,315	-	-	1,045	1,045	-	-	-
FOREST SERVICE .....	-	-	-	-	-	441	302	139	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	66,827	4,558	23,411	37,997	861	54,454	11,325	3,630	34,904	4,595
DEPARTMENT OF THE ARMY .....	10,615	-	5,598	4,721	296	4,418	2,965	1,325	31	97
DEPARTMENT OF THE NAVY .....	30,443	2,010	8,761	19,672	-	41,436	2,494	-	34,444	4,498
DEPARTMENT OF THE AIR FORCE .....	24,327	2,548	8,910	12,557	312	7,150	5,817	1,333	-	-
DEFENSE AGENCIES .....	1,442	-	142	1,047	253	1,450	49	972	429	-
DEPARTMENT OF ENERGY .....	140,357	-	27,181	110,563	2,613	20,664	3,423	9,108	6,661	1,472
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	51,351	-	49,491	1,860	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	465	-	465	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	50,886	-	49,026	1,860	-	-	-	-	-	-
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN ...	57,697	27,454	5,939	19,274	5,030	47,470	27,054	12,179	1,337	6,900
NATIONAL SCIENCE FOUNDATION .....	196,749	15,874	75,522	104,557	796	156,022	39,369	46,307	66,557	3,789

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-82. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO-NAUTICAL	ASTRO-NAUTICAL	CHEMICAL	CIVIL	ELEC-TRICAL	MECHAN-ICAL	METAL-LURGY AND MATERIALS	ENGI-NEERING NEC
TOTAL, ALL AGENCIES .....	365,346	39,277	8,752	21,896	24,910	86,087	36,331	69,505	78,588
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	8,394	-	-	241	184	21	87	-	7,861
AGRICULTURAL RESEARCH SERVICE .....	2,669	-	-	241	184	21	87	-	2,136
COOPERATIVE STATE RESEARCH SERVICE .....	5,725	-	-	-	-	-	-	-	5,725
DEPARTMENT OF DEFENSE, TOTAL .....	141,309	24,427	6,702	3,188	2,915	55,428	17,476	29,200	1,973
DEPARTMENT OF THE ARMY .....	20,112	1,492	25	279	1,891	8,102	3,247	4,907	169
DEPARTMENT OF THE NAVY .....	29,322	747	-	2,434	94	11,895	7,570	6,413	169
DEPARTMENT OF THE AIR FORCE .....	79,436	22,188	6,677	427	820	30,174	6,503	11,445	1,002
DEFENSE AGENCIES .....	12,439	-	-	48	110	5,257	156	6,435	433
DEPARTMENT OF ENERGY .....	47,250	-	792	1,504	529	2,847	2,837	13,080	25,661
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	32,959	-	-	-	-	-	-	-	32,959
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	84	-	-	-	-	-	-	-	84
HUMAN DEVELOPMENT SERVICES .....	3,731	-	-	-	-	-	-	-	3,731
NATIONAL INSTITUTES OF HEALTH .....	29,144	-	-	-	-	-	-	-	29,144
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN .....	34,600	14,850	1,122	265	112	4,256	4,034	5,723	4,238
NATIONAL SCIENCE FOUNDATION .....	100,834	-	136	16,698	21,170	23,535	11,897	21,502	5,896

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-83. FEDERAL OBLIGATIONS FOR RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE-MATICS	COMPUTER SCIENCES	MATHE-MATICS AND COM-PUTER SCIENCES NEC	TOTAL	ANTHRO-POLOGY	ECONOM-ICS	POLITI-CAL SCIENCE	SOCI-LOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	121,389	59,485	50,169	11,735	136,377	5,793	48,931	4,008	24,937	52,708
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	1,492	1,492	-	-	40,095	61	37,947	12	2,021	54
AGRICULTURAL COOPERATIVE SERVICE .....	-	-	-	-	526	-	526	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	249	249	-	-	198	61	85	-	5	47
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	-	-	37,132	-	35,167	-	1,965	-
ECONOMIC RESEARCH SERVICE .....	284	284	-	-	1,563	-	1,493	12	51	7
FOREST SERVICE .....	111	111	-	-	676	-	676	-	-	-
STATISTICAL REPORTING SERVICE .....	848	848	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	56,138	20,991	26,211	8,936	258	-	-	236	22	-
DEPARTMENT OF THE ARMY .....	5,990	4,469	1,476	45	22	-	-	-	22	-
DEPARTMENT OF THE NAVY .....	17,680	9,053	8,383	244	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE .....	9,509	5,149	3,948	412	-	-	-	-	-	-
DEFENSE AGENCIES .....	22,959	2,320	12,404	8,235	236	-	-	236	-	-
DEPARTMENT OF ENERGY .....	4,593	3,350	1,073	170	1,000	-	-	-	-	1,000
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	3,975	3,975	-	-	65,076	556	2,935	811	19,558	41,216
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	-	-	-	-	17,070	556	140	756	13,070	2,548
HEALTH CARE FINANCING ADMIN .....	-	-	-	-	10,075	-	-	-	-	10,075
HUMAN DEVELOPMENT SERVICES .....	-	-	-	-	8,966	-	-	-	-	8,966
NATIONAL INSTITUTES OF HEALTH .....	3,975	3,975	-	-	11,030	-	-	-	-	11,030
OFFICE OF ASST'T SECY FOR HEALTH .....	-	-	-	-	12,585	-	1,733	55	6,035	4,762
OFFICE OF THE SECRETARY .....	-	-	-	-	1,515	-	1,062	-	453	-
SOCIAL SECURITY ADMINISTRATION .....	-	-	-	-	3,835	-	-	-	-	3,835
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN .....	3,003	862	1,283	858	199	-	-	-	-	199
NATIONAL SCIENCE FOUNDATION .....	52,188	28,815	21,602	1,771	29,749	5,176	8,049	2,949	3,336	10,239

NOTE: THE RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 95 PERCENT OF TOTAL FEDERAL RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-84. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES,  
BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1981	ESTIMATES	
		1982	1983
TOTAL, ALL FIELDS .....	2,478,961	2,597,548	2,744,821
LIFE SCIENCES, TOTAL .....	1,314,624	1,378,327	1,423,207
BIOLOGICAL (EXCLUDING ENVIRONMENTAL) .....	776,872	809,468	828,500
ENVIRONMENTAL BIOLOGY .....	36,674	37,802	40,649
AGRICULTURAL .....	62,242	66,828	73,792
MEDICAL .....	394,480	418,371	433,346
LIFE SCIENCES, NEC .....	44,356	45,858	46,920
PSYCHOLOGY, TOTAL .....	56,151	56,367	61,832
BIOLOGICAL ASPECTS .....	17,229	16,096	18,086
SOCIAL ASPECTS .....	18,771	19,482	22,421
PSYCHOLOGICAL SCIENCES, NEC .....	20,151	20,789	21,325
PHYSICAL SCIENCES, TOTAL .....	434,744	454,788	494,285
ASTRONOMY .....	42,409	46,457	45,861
CHEMISTRY .....	164,696	167,485	183,045
PHYSICS .....	222,397	235,777	260,947
PHYSICAL SCIENCES, NEC .....	5,242	5,069	4,432
ENVIRONMENTAL SCIENCES, TOTAL .....	241,573	248,864	267,543
ATMOSPHERIC .....	67,363	69,062	68,498
GEOLOGICAL .....	61,827	62,352	67,522
OCEANOGRAPHY .....	100,659	108,118	124,259
ENVIRONMENTAL SCIENCES, NEC .....	11,724	9,332	7,264
MATHEMATICS & COMPUTER SCIENCES, TOTAL .....	102,610	119,426	132,778
MATHEMATICS .....	55,256	61,234	70,051
COMPUTER SCIENCES .....	40,588	51,743	55,195
MATHEMATICS & COMPUTER SCIENCES, NEC .....	6,756	6,449	7,532
ENGINEERING, TOTAL .....	237,252	258,188	278,275
AERONAUTICAL .....	22,596	24,966	25,859
ASTRONAUTICAL .....	945	946	955
CHEMICAL .....	19,807	19,106	21,016
CIVIL .....	17,441	20,163	18,057
ELECTRICAL .....	52,922	59,660	65,372
MECHANICAL .....	28,639	31,811	37,374
METALLURGY & MATERIALS .....	62,583	69,039	76,411
ENGINEERING, NEC .....	32,319	32,497	33,231
SOCIAL SCIENCES, TOTAL .....	58,653	53,897	57,025
ANTHROPOLOGY .....	5,470	4,912	5,122
ECONOMICS .....	19,981	20,577	20,102
POLITICAL SCIENCE .....	3,300	2,339	2,364
SOCIOLOGY .....	11,396	9,238	9,868
SOCIAL SCIENCES, NEC .....	18,506	16,831	19,569
OTHER SCIENCES, NEC .....	33,354	27,691	29,876

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981, 1982, AND 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-85. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	FIELD OF SCIENCE							
		LIFE SCIENCES	PSYCHOLOGY	PHYSICAL SCIENCES	ENVIRONMENTAL SCIENCES	MATHEMATICS AND COMPUTER SCIENCES	ENGINEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES .....	2,478,961	1,314,624	56,151	434,744	241,573	102,610	237,252	58,653	33,354
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	102,901	79,192	-	5,490	764	160	2,932	14,363	-
AGRICULTURAL RESEARCH SERVICE .....	16,234	12,682	-	2,413	104	155	814	66	-
COOPERATIVE STATE RESEARCH SERVICE .....	80,660	61,339	-	3,077	387	-	2,118	13,739	-
ECONOMIC RESEARCH SERVICE .....	168	-	-	-	-	-	-	168	-
FOREST SERVICE .....	5,839	5,171	-	-	273	5	-	390	-
DEPARTMENT OF DEFENSE, TOTAL .....	244,405	14,300	10,652	49,892	44,842	43,222	81,241	256	-
DEPARTMENT OF THE ARMY .....	36,923	3,561	1,039	9,742	3,013	5,311	14,237	20	-
DEPARTMENT OF THE NAVY .....	119,083	7,635	5,800	22,767	39,149	16,859	26,873	-	-
DEPARTMENT OF THE AIR FORCE .....	63,351	3,104	3,172	17,143	2,320	5,697	31,915	-	-
DEFENSE AGENCIES .....	25,048	-	641	240	360	15,355	8,216	236	-
DEPARTMENT OF ENERGY .....	133,656	12,162	-	97,472	3,095	4,423	16,504	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	1,205,602	1,076,086	35,187	38,176	-	2,230	20,162	19,979	13,782
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	49,205	23,659	16,224	233	-	-	35	6,533	2,521
HUMAN DEVELOPMENT SERVICES .....	130	-	-	-	-	-	-	130	-
NATIONAL INSTITUTES OF HEALTH .....	1,150,213	1,052,427	18,963	37,943	-	2,230	20,127	7,262	11,261
OFFICE OF ASST'T SECY FOR HEALTH .....	5,484	-	-	-	-	-	-	5,484	-
OFFICE OF THE SECRETARY .....	570	-	-	-	-	-	-	570	-
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN .....	124,418	8,267	864	48,599	38,236	1,934	24,355	199	1,964
NATIONAL SCIENCE FOUNDATION .....	667,979	124,617	9,448	195,115	154,636	50,641	92,058	23,856	17,608

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-86. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PSYCHOLOGY AND LIFE SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIOLOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHOLOGICAL SCIENCES NEC	TOTAL	BIOLOGICAL	ENVIRONMENTAL BIOLOGY	AGRICULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL, ALL AGENCIES .....	56,151	17,229	18,771	20,151	1,314,624	776,872	36,674	62,242	394,480	44,356
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	-	-	-	-	79,192	14,049	437	61,886	2,820	-
AGRICULTURAL RESEARCH SERVICE .....	-	-	-	-	12,682	1,501	437	10,720	24	-
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	-	-	61,339	7,377	-	51,166	2,796	-
FOREST SERVICE .....	-	-	-	-	5,171	5,171	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	10,652	53	10,431	168	14,300	10,334	1,155	-	2,811	-
DEPARTMENT OF THE ARMY .....	1,039	2	989	48	3,561	1,172	118	-	2,271	-
DEPARTMENT OF THE NAVY .....	5,800	-	5,800	-	7,635	7,095	-	-	540	-
DEPARTMENT OF THE AIR FORCE .....	3,172	-	3,172	-	3,104	2,067	1,037	-	-	-
DEFENSE AGENCIES .....	641	51	470	120	-	-	-	-	-	-
DEPARTMENT OF ENERGY .....	-	-	-	-	12,162	11,962	-	-	-	200
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	35,187	10,213	5,653	19,321	1,076,086	646,499	36	-	387,611	41,940
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	16,224	10,213	5,653	358	23,659	16,127	36	-	6,534	962
NATIONAL INSTITUTES OF HEALTH .....	18,963	-	-	18,963	1,052,427	630,372	-	-	381,077	40,978
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN .....	864	128	99	637	8,267	4,049	494	349	1,238	2,137
NATIONAL SCIENCE FOUNDATION .....	9,448	6,835	2,588	25	124,617	89,979	34,552	7	-	79

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-87. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PHYSICAL AND ENVIRONMENTAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONOMY	CHEMISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOSPHERIC	GEOLOGICAL	OCEANOGRAPHY	ENVIRONMENTAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	434,744	42,409	164,696	222,397	5,242	241,573	67,363	61,827	100,659	11,724
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	5,490	-	5,383	107	-	764	670	94	-	-
AGRICULTURAL RESEARCH SERVICE .....	2,413	-	2,306	107	-	104	81	23	-	-
COOPERATIVE STATE RESEARCH SERVICE .....	3,077	-	3,077	-	-	387	387	-	-	-
FOREST SERVICE .....	-	-	-	-	-	273	202	71	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	49,892	4,558	20,725	24,415	194	44,842	5,210	1,906	33,224	4,502
DEPARTMENT OF THE ARMY .....	9,742	-	4,982	4,566	194	3,013	1,941	1,068	-	4
DEPARTMENT OF THE NAVY .....	22,767	2,010	8,761	11,996	-	39,149	1,649	-	33,002	4,498
DEPARTMENT OF THE AIR FORCE .....	17,143	2,548	6,840	7,755	-	2,320	1,620	700	-	-
DEFENSE AGENCIES .....	240	-	142	98	-	360	-	138	222	-
DEPARTMENT OF ENERGY .....	97,472	-	21,536	75,436	500	3,095	-	2,795	-	300
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	38,176	-	36,869	1,307	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	233	-	233	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	37,943	-	36,636	1,307	-	-	-	-	-	-
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN .....	48,599	22,029	5,364	17,112	4,094	38,236	22,129	11,428	1,237	3,442
NATIONAL SCIENCE FOUNDATION .....	195,115	15,822	74,819	104,020	454	154,636	39,354	45,604	66,198	3,480

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-88. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN ENGINEERING, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERONAUTICAL	ASTRONAUTICAL	CHEMICAL	CIVIL	ELECTRICAL	MECHANICAL	METALLURGY AND MATERIALS	ENGINEERING NEC
TOTAL, ALL AGENCIES .....	237,252	22,596	945	19,807	17,441	52,922	28,639	62,583	32,319
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	2,932	-	-	96	51	5	24	-	2,756
AGRICULTURAL RESEARCH SERVICE .....	814	-	-	96	51	5	24	-	638
COOPERATIVE STATE RESEARCH SERVICE .....	2,118	-	-	-	-	-	-	-	2,118
DEPARTMENT OF DEFENSE, TOTAL .....	81,241	10,673	-	2,424	751	28,399	13,785	25,205	4
DEPARTMENT OF THE ARMY .....	14,237	1,099	-	57	220	6,447	2,015	4,395	4
DEPARTMENT OF THE NAVY .....	26,873	555	-	2,319	31	10,988	6,706	6,274	-
DEPARTMENT OF THE AIR FORCE .....	31,915	9,019	-	-	500	8,176	4,945	9,275	-
DEFENSE AGENCIES .....	8,216	-	-	48	-	2,788	119	5,261	-
DEPARTMENT OF ENERGY .....	16,504	-	-	1,173	-	-	1,820	11,430	2,081
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	20,162	-	-	-	-	-	-	-	20,162
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	35	-	-	-	-	-	-	-	35
NATIONAL INSTITUTES OF HEALTH .....	20,127	-	-	-	-	-	-	-	20,127
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN .....	24,355	11,923	824	253	112	2,281	1,794	5,255	1,913
NATIONAL SCIENCE FOUNDATION .....	92,058	-	121	15,861	16,527	22,237	11,216	20,693	5,403

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-89. FEDERAL OBLIGATIONS FOR BASIC RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRO- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- OLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	102,610	55,266	40,588	6,756	58,653	5,470	19,981	3,300	11,396	18,506
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	160	160	-	-	14,363	60	13,546	2	750	5
AGRICULTURAL RESEARCH SERVICE .....	155	155	-	-	66	60	1	-	-	5
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	-	-	13,739	-	13,012	-	727	-
ECONOMIC RESEARCH SERVICE .....	-	-	-	-	168	-	143	2	23	-
FOREST SERVICE .....	5	5	-	-	390	-	390	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	43,222	20,009	18,059	5,154	256	-	-	236	20	-
DEPARTMENT OF THE ARMY .....	5,311	4,432	879	-	20	-	-	-	20	-
DEPARTMENT OF THE NAVY .....	16,859	9,053	7,562	244	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE .....	5,697	4,637	1,060	-	-	-	-	-	-	-
DEFENSE AGENCIES .....	15,355	1,887	8,558	4,910	236	-	-	236	-	-
DEPARTMENT OF ENERGY .....	4,423	3,350	1,073	-	-	-	-	-	-	-
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	2,230	2,230	-	-	19,979	246	1,215	349	7,646	10,523
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	-	-	-	-	6,533	246	60	325	4,846	1,056
HUMAN DEVELOPMENT SERVICES .....	-	-	-	-	130	-	-	-	-	130
NATIONAL INSTITUTES OF HEALTH .....	2,230	2,230	-	-	7,262	-	-	-	-	7,262
OFFICE OF ASST'T SECY FOR HEALTH .....	-	-	-	-	5,484	-	755	24	2,630	2,075
OFFICE OF THE SECRETARY .....	-	-	-	-	570	-	400	-	170	-
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN ...	1,934	776	423	735	199	-	-	-	-	199
NATIONAL SCIENCE FOUNDATION .....	50,641	28,741	21,033	867	23,856	5,164	5,220	2,713	2,980	7,779

NOTE: THE BASIC RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 99 PERCENT OF TOTAL FEDERAL BASIC RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

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 TABLE C-90. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES,  
 BY DETAILED FIELD OF SCIENCE: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

FIELD OF SCIENCE	ACTUAL, 1981	ESTIMATES	
		1982	1983
TOTAL, ALL FIELDS .....	1,227,916	1,220,527	1,261,627
LIFE SCIENCES, TOTAL .....	802,567	830,496	844,461
BIOLOGICAL (EXCLUDING ENVIRONMENTAL) .....	339,393	350,968	353,789
ENVIRONMENTAL BIOLOGY .....	1,649	1,402	1,710
AGRICULTURAL .....	77,330	87,746	86,901
MEDICAL .....	359,632	364,841	377,842
LIFE SCIENCES, NEC .....	24,563	25,539	24,219
PSYCHOLOGY, TOTAL .....	36,564	33,047	37,879
BIOLOGICAL ASPECTS .....	12,416	12,024	14,791
SOCIAL ASPECTS .....	13,334	10,165	12,101
PSYCHOLOGICAL SCIENCES, NEC .....	10,814	10,858	10,987
PHYSICAL SCIENCES, TOTAL .....	90,423	90,313	98,722
ASTRONOMY .....	5,477	5,336	5,345
CHEMISTRY .....	28,781	24,555	25,472
PHYSICS .....	52,107	55,951	64,788
PHYSICAL SCIENCES, NEC .....	4,058	4,471	3,117
ENVIRONMENTAL SCIENCES, TOTAL .....	38,756	35,153	32,937
ATMOSPHERIC .....	15,327	15,007	13,798
GEOLOGICAL .....	9,597	8,055	8,513
OCEANOGRAPHY .....	8,800	7,068	6,088
ENVIRONMENTAL SCIENCES, NEC .....	5,032	5,023	4,538
MATHEMATICS & COMPUTER SCIENCES, TOTAL .....	18,779	22,206	35,828
MATHEMATICS .....	4,219	3,086	3,045
COMPUTER SCIENCES .....	9,581	14,729	25,475
MATHEMATICS & COMPUTER SCIENCES, NEC .....	4,979	4,391	7,308
ENGINEERING, TOTAL .....	128,094	110,316	114,288
AERONAUTICAL .....	16,681	15,853	18,951
ASTRONAUTICAL .....	7,807	7,001	8,476
CHEMICAL .....	2,089	2,138	2,238
CIVIL .....	7,469	7,198	7,792
ELECTRICAL .....	33,165	30,557	35,699
MECHANICAL .....	7,692	7,516	5,513
METALLURGY & MATERIALS .....	6,922	5,076	6,966
ENGINEERING, NEC .....	46,269	34,977	28,653
SOCIAL SCIENCES, TOTAL .....	77,724	67,348	67,113
ANTHROPOLOGY .....	323	317	338
ECONOMICS .....	28,950	30,157	29,279
POLITICAL SCIENCE .....	708	573	593
SOCIOLOGY .....	13,541	11,770	12,679
SOCIAL SCIENCES, NEC .....	34,202	24,531	24,224
OTHER SCIENCES, NEC .....	35,009	31,648	30,399

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 89 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981, 1982, AND 1983.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-91. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES, BY AGENCY AND FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	TOTAL	LIFE SCIENCES	PSY- CHOLOGY	PHYSICAL SCIENCES	ENVIRONMENTAL SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES	ENGI- NEERING	SOCIAL SCIENCES	OTHER SCIENCES NEC
TOTAL, ALL AGENCIES .....	1,227,916	802,567	36,564	90,423	38,756	18,779	128,094	77,724	35,009
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	137,482	97,305	-	6,696	955	1,332	5,462	25,732	-
AGRICULTURAL COOPERATIVE SERVICE .....	526	-	-	-	-	-	-	526	-
AGRICULTURAL MARKETING SERVICE .....	30	30	-	-	-	-	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	16,312	12,644	-	1,458	129	94	1,855	132	-
COOPERATIVE STATE RESEARCH SERVICE .....	110,913	78,017	-	5,238	658	-	3,607	23,393	-
ECONOMIC RESEARCH SERVICE .....	1,679	-	-	-	-	284	-	1,395	-
FOREST SERVICE .....	7,174	6,614	-	-	168	106	-	286	-
STATISTICAL REPORTING SERVICE .....	848	-	-	-	-	848	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	118,561	15,735	2,900	16,935	9,612	12,916	60,068	2	393
DEPARTMENT OF THE ARMY .....	18,622	9,515	119	873	1,405	679	5,875	2	154
DEPARTMENT OF THE NAVY .....	14,319	927	159	7,676	2,287	821	2,449	-	-
DEPARTMENT OF THE AIR FORCE .....	71,136	5,093	2,554	7,184	4,830	3,812	47,521	-	142
DEFENSE AGENCIES .....	14,484	200	68	1,202	1,090	7,604	4,223	-	97
DEPARTMENT OF ENERGY .....	114,682	21,812	-	42,885	17,569	170	30,746	1,000	500
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	794,552	663,969	32,698	13,175	-	1,115	12,797	45,097	25,071
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	67,111	31,704	22,689	232	-	-	49	10,537	1,900
CENTERS FOR DISEASE CONTROL .....	6,394	6,394	-	-	-	-	-	-	-
FOOD & DRUG ADMINISTRATION .....	5,726	5,726	-	-	-	-	-	-	-
HEALTH CARE FINANCING ADMIN .....	10,075	-	-	-	-	-	-	10,075	-
HEALTH RESOURCES ADMINISTRATION .....	4,516	-	-	-	-	-	-	-	4,516
HEALTH SERVICES ADMINISTRATION .....	2,503	2,503	-	-	-	-	-	-	-
HUMAN DEVELOPMENT SERVICES .....	23,609	9,744	1,298	-	-	-	3,731	8,836	-
NATIONAL INSTITUTES OF HEALTH .....	662,737	607,898	8,711	12,943	-	1,745	9,017	3,768	18,655
OFFICE OF ASST'T SECY FOR HEALTH .....	7,101	-	-	-	-	-	-	7,101	-
OFFICE OF THE SECRETARY .....	945	-	-	-	-	-	-	945	-
SOCIAL SECURITY ADMINISTRATION .....	3,835	-	-	-	-	-	-	3,835	-
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN .....	32,234	1,727	189	9,098	9,234	1,069	10,245	-	1,172
NATIONAL SCIENCE FOUNDATION .....	29,905	2,019	777	1,634	1,386	1,547	8,776	5,893	7,873

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 67 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-92. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PSYCHOLOGY AND LIFE SCIENCES. BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PSYCHOLOGY				LIFE SCIENCES					
	TOTAL	BIO-LOGICAL ASPECTS	SOCIAL ASPECTS	PSYCHO-LOGICAL SCIENCES NEC	TOTAL	810-LOGICAL	ENVIRON-MENTAL BIOLOGY	AGRI-CULTURAL	MEDICAL	LIFE SCIENCES NEC
TOTAL. ALL AGENCIES .....	36,564	12,416	13,334	10,814	802,567	339,393	1,649	77,330	359,632	24,563
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE. TOTAL .....	-	-	-	-	97,305	14,576	599	77,188	4,942	-
AGRICULTURAL MARKETING SERVICE .....	-	-	-	-	30	-	-	30	-	-
AGRICULTURAL RESEARCH SERVICE .....	-	-	-	-	12,644	499	599	11,365	181	-
COOPERATIVE STATE RESEARCH SERVICE .....	-	-	-	-	78,017	7,463	-	65,793	4,761	-
FOREST SERVICE .....	-	-	-	-	6,614	6,614	-	-	-	-
DEPARTMENT OF DEFENSE. TOTAL .....	2,900	-	2,741	159	15,735	5,163	349	92	10,090	41
DEPARTMENT OF THE ARMY .....	119	-	119	-	9,515	95	157	92	9,130	41
DEPARTMENT OF THE NAVY .....	159	-	-	159	927	74	-	-	853	-
DEPARTMENT OF THE AIR FORCE .....	2,554	-	2,554	-	5,093	4,794	192	-	107	-
DEFENSE AGENCIES .....	68	-	68	-	200	200	-	-	-	-
DEPARTMENT OF ENERGY .....	-	-	-	-	21,812	13,504	-	-	5,018	3,290
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	32,698	12,258	9,999	10,441	663,969	304,767	28	-	338,590	20,584
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	22,689	12,258	9,999	432	31,704	17,310	28	-	12,113	2,253
CENTERS FOR DISEASE CONTROL .....	-	-	-	-	6,394	-	-	-	6,394	-
FOOD & DRUG ADMINISTRATION .....	-	-	-	-	5,726	5,039	-	-	687	-
HEALTH SERVICES ADMINISTRATION .....	-	-	-	-	2,503	-	-	-	2,503	-
HUMAN DEVELOPMENT SERVICES .....	1,298	-	-	1,298	9,744	-	-	-	8,622	1,122
NATIONAL INSTITUTES OF HEALTH .....	8,711	-	-	8,711	607,898	282,418	-	-	308,271	17,209
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN ...	189	-	-	189	1,727	118	-	50	992	567
NATIONAL SCIENCE FOUNDATION .....	777	158	594	25	2,019	1,265	673	-	-	81

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 87 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-93. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN PHYSICAL AND ENVIRONMENTAL SCIENCES. BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	PHYSICAL SCIENCES					ENVIRONMENTAL SCIENCES				
	TOTAL	ASTRONO-MY	CHEM-ISTRY	PHYSICS	PHYSICAL SCIENCES NEC	TOTAL	ATMOS-PHERIC	GEO-LOGICAL	OCEAN-OGRAPHY	ENVIRON-MENTAL SCIENCES NEC
TOTAL. ALL AGENCIES .....	90,423	5,477	28,781	52,107	4,058	38,756	15,327	9,597	8,800	5,032
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE. TOTAL .....	6,696	-	6,550	146	-	955	849	106	-	-
AGRICULTURAL RESEARCH SERVICE .....	1,458	-	1,312	146	-	129	91	38	-	-
COOPERATIVE STATE RESEARCH SERVICE ..	5,238	-	5,238	-	-	658	658	-	-	-
FOREST SERVICE .....	-	-	-	-	-	168	100	68	-	-
DEPARTMENT OF DEFENSE. TOTAL .....	16,935	-	2,686	13,582	667	9,612	6,115	1,724	1,680	93
DEPARTMENT OF THE ARMY .....	873	-	616	155	102	1,405	1,024	257	31	93
DEPARTMENT OF THE NAVY .....	7,676	-	-	7,676	-	2,287	845	-	1,442	-
DEPARTMENT OF THE AIR FORCE .....	7,184	-	2,070	4,802	312	4,830	4,197	633	-	-
DEFENSE AGENCIES .....	1,202	-	-	949	253	1,090	49	834	207	-
DEPARTMENT OF ENERGY .....	42,885	-	5,645	35,127	2,113	17,549	3,423	6,313	6,661	1,172
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	13,175	-	12,622	553	-	-	-	-	-	-
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	232	-	232	-	-	-	-	-	-	-
NATIONAL INSTITUTES OF HEALTH .....	12,943	-	12,390	553	-	-	-	-	-	-
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN ...	9,098	5,425	575	2,162	936	9,234	4,925	751	100	3,458
NATIONAL SCIENCE FOUNDATION .....	1,634	52	703	537	342	1,386	15	703	359	309

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 87 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-94. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN ENGINEERING,  
BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ENGINEERING								
	TOTAL	AERO- NAUTICAL	ASTRO- NAUTICAL	CHEMICAL	CIVIL	ELEC- TRICAL	MECHAN- ICAL	METAL- LURGY AND MATERIALS	ENGI- NEERING REC
TOTAL, ALL AGENCIES	128,094	16,681	7,807	2,089	7,469	33,165	7,692	6,922	46,269
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL	5,462	-	-	145	133	16	63	-	5,105
AGRICULTURAL RESEARCH SERVICE	1,855	-	-	145	133	16	63	-	1,498
COOPERATIVE STATE RESEARCH SERVICE	3,607	-	-	-	-	-	-	-	3,607
DEPARTMENT OF DEFENSE, TOTAL	60,068	13,754	6,702	764	2,164	27,029	3,691	3,995	1,969
DEPARTMENT OF THE ARMY	5,875	393	25	222	1,671	1,655	1,232	512	165
DEPARTMENT OF THE NAVY	2,449	192	-	115	63	907	864	139	169
DEPARTMENT OF THE AIR FORCE	47,521	13,169	6,677	427	320	21,998	1,558	2,170	1,202
DEFENSE AGENCIES	4,223	-	-	-	110	2,469	37	1,174	433
DEPARTMENT OF ENERGY	30,746	-	792	331	529	2,847	1,017	1,650	23,580
DEPT OF HLTH & HUMAN SERVICES, TOTAL	12,797	-	-	-	-	-	-	-	12,797
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	49	-	-	-	-	-	-	-	49
HUMAN DEVELOPMENT SERVICES	3,731	-	-	-	-	-	-	-	3,731
NATIONAL INSTITUTES OF HEALTH	9,017	-	-	-	-	-	-	-	9,017
OTHER AGENCIES									
NATIONAL AERONAUTICS & SPACE ADMIN	10,245	2,927	298	12	-	1,975	2,240	468	2,325
NATIONAL SCIENCE FOUNDATION	8,776	-	15	837	4,643	1,298	681	809	493

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 87 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-95. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH PERFORMED AT UNIVERSITIES AND COLLEGES IN MATHEMATICS AND COMPUTER SCIENCES AND IN SOCIAL SCIENCES, BY AGENCY AND DETAILED FIELD OF SCIENCE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	MATHEMATICS AND COMPUTER SCIENCES				SOCIAL SCIENCES					
	TOTAL	MATHE- MATICS	COMPUTER SCIENCES	MATHE- MATICS AND COM- PUTER SCIENCES NEC	TOTAL	ANTHRO- POLOGY	ECONOM- ICS	POLITI- CAL SCIENCE	SOCI- OLOGY	SOCIAL SCIENCES NEC
TOTAL, ALL AGENCIES .....	18,779	4,219	9,581	4,979	77,724	323	28,950	708	13,541	34,202
DEPARTMENTS										
DEPARTMENT OF AGRICULTURE, TOTAL .....	1,332	1,332	-	-	25,732	1	24,401	10	1,271	49
AGRICULTURAL COOPERATIVE SERVICE ...	-	-	-	-	526	-	526	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	94	94	-	-	132	1	84	-	5	42
COOPERATIVE STATE RESEARCH SERVICE ..	-	-	-	-	23,393	-	22,155	-	1,238	-
ECONOMIC RESEARCH SERVICE .....	284	284	-	-	1,395	-	1,350	10	28	7
FOREST SERVICE .....	106	106	-	-	286	-	286	-	-	-
STATISTICAL REPORTING SERVICE .....	848	848	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	12,916	982	8,152	3,782	2	-	-	-	2	-
DEPARTMENT OF THE ARMY .....	679	37	597	45	2	-	-	-	2	-
DEPARTMENT OF THE NAVY .....	821	-	821	-	-	-	-	-	-	-
DEPARTMENT OF THE AIR FORCE .....	3,812	512	2,888	412	-	-	-	-	-	-
DEFENSE AGENCIES .....	7,604	433	3,846	3,325	-	-	-	-	-	-
DEPARTMENT OF ENERGY .....	170	-	-	170	1,000	-	-	-	-	1,000
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	1,745	1,745	-	-	45,097	310	1,720	462	11,912	30,693
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	-	-	-	-	10,537	310	80	431	8,224	1,492
HEALTH CARE FINANCING ADMIN .....	-	-	-	-	10,075	-	-	-	-	10,075
HUMAN DEVELOPMENT SERVICES .....	-	-	-	-	8,836	-	-	-	-	8,836
NATIONAL INSTITUTES OF HEALTH .....	1,745	1,745	-	-	3,768	-	-	-	-	3,768
OFFICE OF ASST'T SECY FOR HEALTH ...	-	-	-	-	7,101	-	978	31	3,405	2,687
OFFICE OF THE SECRETARY .....	-	-	-	-	945	-	662	-	283	-
SOCIAL SECURITY ADMINISTRATION .....	-	-	-	-	3,835	-	-	-	-	3,835
OTHER AGENCIES										
NATIONAL AERONAUTICS & SPACE ADMIN ...	1,069	86	860	123	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	1,547	74	569	904	5,893	12	2,829	236	356	2,460

NOTE: THE APPLIED RESEARCH OBLIGATIONS OF THE SIX AGENCIES INCLUDED IN THIS TABLE REPRESENT APPROXIMATELY 87 PERCENT OF TOTAL FEDERAL APPLIED RESEARCH OBLIGATIONS TO UNIVERSITIES AND COLLEGES IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-96. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO FOREIGN PERFORMERS, BY REGION, COUNTRY, AND AGENCY: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

REGION AND COUNTRY:	TOTAL	DEPARTMENT OF AGRICULTURE	DEPARTMENT OF DEFENSE	DEPARTMENT OF HEALTH AND HUMAN SERVICES	INTERNAT'L DEVELOPMENT COOP-ERATION	ENVIRON-MENTAL PROTECTION AGENCY	NATIONAL SCIENCE FOUNDATION	OTHER
TOTAL .....	339,975	5,008	80,594	28,754	69,209	1,157	2,213	153,040
EUROPE, TOTAL .....	194,415	1,216	69,491	7,949	-	5	216	115,538
AUSTRIA .....	162	-	58	7	-	-	-	97
BELGIUM .....	651	-	455	196	-	-	-	-
DENMARK .....	386	-	157	124	-	-	68	37
FINLAND .....	347	-	-	347	-	-	-	-
FRANCE .....	99,040	465	903	299	-	-	50	97,323
ICELAND .....	128	-	-	-	-	-	-	128
IRELAND .....	130	-	120	10	-	-	-	-
ITALY .....	2,423	392	1,345	686	-	-	-	-
NETHERLANDS .....	749	309	96	344	-	-	-	-
NORWAY .....	5,810	-	5,282	38	-	-	-	490
POLAND .....	43	36	-	-	-	4	3	-
PORTUGAL .....	8	-	8	-	-	-	-	-
SPAIN .....	83	-	44	39	-	-	-	1,746
SWEDEN .....	3,293	-	14	1,533	-	-	-	81
SWITZERLAND .....	1,730	-	418	1,203	-	-	-	67
UNITED KINGDOM, TOTAL .....	70,613	-	57,739	2,444	-	-	67	10,363
ENGLAND .....	61,520	-	49,099	2,216	-	-	67	10,138
SCOTLAND .....	1,790	-	1,344	221	-	-	-	225
OTHER UNITED KINGDOM .....	7,303	-	7,296	7	-	-	-	-
WEST GERMANY .....	8,587	-	2,852	462	-	-	-	5,273
YUGOSLAVIA .....	207	14	-	192	-	1	-	-
OTHER EUROPE .....	25	-	-	25	-	-	-	-
ASIA, TOTAL .....	14,610	2,926	2,811	927	2,000	327	1,697	3,922
BURMA .....	27	-	6	-	-	-	-	21
INDIA .....	7,996	1,013	1,640	444	-	246	1,327	3,326
INDONESIA .....	9	-	9	-	-	-	-	-
JAPAN .....	525	108	-	417	-	-	-	-
SOUTH KOREA .....	118	-	106	12	-	-	-	-
MALAYSIA .....	451	-	451	-	-	-	-	-
PAKISTAN .....	2,873	1,708	599	10	-	81	370	105
THAILAND .....	141	97	-	44	-	-	-	470
OTHER ASIA .....	2,470	-	-	-	2,000	-	-	-
NEAR EAST, TOTAL .....	17,739	203	1,936	5,266	-	825	262	9,247
EGYPT .....	4,464	203	34	2,299	-	825	262	841
GREECE .....	12	-	12	-	-	-	-	104
ISRAEL .....	4,961	-	1,390	2,967	-	-	-	8,302
OTHER NEAR EAST .....	8,302	-	-	-	-	-	-	-
AFRICA, TOTAL .....	6,055	234	12	82	5,727	-	-	-
KENYA .....	187	187	-	-	-	-	-	-
UNION OF SOUTH AFRICA .....	41	-	-	41	-	-	-	-
OTHER AFRICA .....	5,827	47	12	41	5,727	-	-	-
LATIN AMERICA, TOTAL .....	7,907	263	508	216	5,300	-	-	1,620
ARGENTINA .....	412	192	89	131	-	-	-	-
BRAZIL .....	132	-	132	-	-	-	-	10
MEXICO .....	95	-	-	85	-	-	-	110
PANAMA .....	305	-	195	-	-	-	-	-
PERU .....	67	-	67	-	-	-	-	1,500
VENEZUELA .....	1,525	-	25	-	-	-	-	-
OTHER LATIN AMERICA .....	5,371	71	-	-	5,300	-	-	-
AUSTRALIA .....	2,089	-	239	1,606	-	-	-	244
CANADA .....	36,389	166	5,584	8,132	-	-	38	22,469
NEW ZEALAND .....	64	-	13	51	-	-	-	-
INTERNATIONAL ORGANIZATIONS .....	60,707	-	-	4,525	56,182	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-97. FEDERAL OBLIGATIONS FOR BASIC RESEARCH TO FOREIGN PERFORMERS, BY REGION, COUNTRY, AND AGENCY: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

REGION AND COUNTRY	TOTAL	DEPARTMENT OF AGRICULTURE	DEPARTMENT OF DEFENSE	DEPARTMENT OF HEALTH AND HUMAN SERVICES	NATIONAL SCIENCE FOUNDATION	NATIONAL AERONAUTICS AND SPACE ADMIN	OTHER
TOTAL	31,178	2,018	8,931	11,121	1,674	2,452	4,982
EUROPE, TOTAL	8,231	397	3,968	3,401	213	101	151
AUSTRIA	116	-	19	-	-	-	97
BELGIUM	229	-	91	138	-	-	-
DENMARK	148	-	2	75	68	3	-
FINLAND	197	-	-	197	-	-	-
FRANCE	519	149	225	95	50	-	-
IRELAND	120	-	120	-	-	-	-
ITALY	384	127	105	152	-	-	-
NETHERLANDS	275	99	6	170	-	-	-
NORWAY	637	-	632	5	-	-	-
POLAND	16	16	-	-	-	-	-
PORTUGAL	8	-	-	-	-	-	-
SPAIN	49	-	14	35	-	-	-
SWEDEN	900	-	14	876	-	10	-
SWITZERLAND	526	-	54	444	28	-	-
UNITED KINGDOM, TOTAL	3,507	-	2,248	1,070	67	88	34
ENGLAND	3,232	-	2,105	938	67	88	34
SCOTLAND	176	-	45	131	-	-	-
OTHER UNITED KINGDOM	99	-	98	1	-	-	-
WEST GERMANY	551	-	430	101	-	-	20
YUGOSLAVIA	33	6	-	27	-	-	-
OTHER EUROPE	16	-	-	16	-	-	-
ASIA, TOTAL	8,407	1,263	2,254	78	1,290	70	3,452
BURMA	27	-	6	-	-	-	21
INDIA	6,457	446	1,640	-	1,045	-	3,326
INDONESIA	9	-	9	-	-	-	-
JAPAN	69	35	-	34	-	-	-
SOUTH KOREA	7	-	-	7	-	-	-
PAKISTAN	1,700	751	599	-	245	-	105
THAILAND	68	31	-	37	-	-	-
OTHER ASIA	70	-	-	-	-	70	-
NEAR EAST, TOTAL	3,715	89	863	1,701	133	5	924
EGYPT	1,200	89	34	103	133	-	841
GREECE	12	-	12	-	-	-	-
ISRAEL	2,503	-	817	1,598	-	5	83
AFRICA, TOTAL	90	81	-	9	-	-	-
KENYA	60	60	-	-	-	-	-
UNION OF SOUTH AFRICA	3	-	-	3	-	-	-
OTHER AFRICA	27	21	-	6	-	-	-
LATIN AMERICA, TOTAL	343	84	25	166	-	68	-
ARGENTINA	165	62	-	103	-	-	-
MEXICO	63	-	-	63	-	-	-
PANAMA	68	-	-	-	-	68	-
VENEZUELA	25	-	25	-	-	-	-
OTHER LATIN AMERICA	22	22	-	-	-	-	-
AUSTRALIA	1,029	-	60	962	-	7	-
CANADA	8,296	104	1,748	3,750	38	2,201	455
NEW ZEALAND	53	-	13	40	-	-	-
INTERNATIONAL ORGANIZATIONS	1,014	-	-	1,014	-	-	-

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-98. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO FOREIGN PERFORMERS AND AMOUNT SUPPORTED THROUGH THE SPECIAL FOREIGN CURRENCY PROGRAM, BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1981		ESTIMATES			
	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	1982		1983	
			TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM
TOTAL, ALL AGENCIES .....	339,975	11,497	341,969	16,377	313,825	14,022
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL .....	5,008	3,035	5,089	3,098	5,052	2,977
AGRICULTURAL RESEARCH SERVICE .....	1,807	-	1,836	-	1,934	-
FOREST SERVICE .....	166	-	155	-	141	-
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT .....	3,035	3,035	3,098	3,098	2,977	2,977
DEPARTMENT OF COMMERCE, TOTAL .....	27,806	-	22,661	-	19,624	-
ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION 1/ .....	27,061	-	22,518	-	19,594	-
NATIONAL BUREAU OF STANDARDS .....	433	-	-	-	-	-
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION .....	312	-	86	-	30	-
OFFICE OF THE SECRETARY .....	-	-	57	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	80,594	200	77,638	4,100	53,277	3,400
DEPARTMENT OF THE ARMY .....	5,037	-	4,322	-	5,428	-
DEPARTMENT OF THE NAVY .....	63,932	200	58,296	4,100	29,192	3,400
DEPARTMENT OF THE AIR FORCE .....	10,052	-	11,354	-	13,286	-
DEFENSE AGENCIES' .....	1,573	-	3,666	-	5,371	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL .....	28,754	2,010	32,893	3,928	34,894	4,330
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION .....	1,579	-	1,739	-	1,843	-
CENTERS FOR DISEASE CONTROL .....	994	650	1,988	1,688	2,080	1,880
HEALTH SERVICES ADMINISTRATION .....	227	227	587	587	565	565
HUMAN DEVELOPMENT SERVICES .....	980	-	1,945	-	1,473	-
NATIONAL INSTITUTES OF HEALTH .....	24,444	986	26,160	1,285	28,273	1,285
OFFICE OF ASSISTANT SECRETARY FOR HEALTH .....	306	147	434	368	660	600
SOCIAL SECURITY ADMINISTRATION .....	224	-	40	-	-	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	721	591	540	540	500	500
BONNEVILLE POWER ADMINISTRATION .....	130	-	-	-	-	-
OFFICE OF THE SECRETARY .....	591	591	540	540	500	500
DEPARTMENT OF JUSTICE, TOTAL .....	94	-	-	-	-	-
OFFICE OF JUSTICE ASSISTANCE, RESEARCH, AND STATISTICS .....	94	-	-	-	-	-
OTHER AGENCIES						
ENVIRONMENTAL PROTECTION AGENCY .....	1,157	-	1,300	-	1,200	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/ .....	251	-	269	-	170	-
INTERNATIONAL DEVELOPMENT COOPERATION AGENCY .....	69,209	-	75,995	-	75,375	-
AGENCY FOR INTERNATIONAL DEVELOPMENT .....	69,209	-	75,995	-	75,375	-
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION .....	119,645	-	119,710	-	119,710	-
NATIONAL SCIENCE FOUNDATION .....	2,213	1,959	1,778	1,510	1,008	715
NUCLEAR REGULATORY COMMISSION .....	821	-	895	-	915	-
SMITHSONIAN INSTITUTION .....	3,702	3,702	3,201	3,201	2,100	2,100

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-99. FEDERAL OBLIGATIONS FOR BASIC RESEARCH TO FOREIGN PERFORMERS AND AMOUNT SUPPORTED THROUGH THE SPECIAL FOREIGN CURRENCY PROGRAM, BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)\*

AGENCY AND SUBDIVISION	ACTUAL, 1981		ESTIMATES			
	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	1982		1983	
			TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM
TOTAL, ALL AGENCIES .....	31,178	7,174	33,101	10,312	31,047	7,875
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL .....	2,018	1,335	2,338	1,363	2,323	1,310
AGRICULTURAL RESEARCH SERVICE .....	579	-	871	-	917	-
FOREST SERVICE .....	104	-	104	-	96	-
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT .....	1,335	1,335	1,363	1,363	1,310	1,310
DEPARTMENT OF COMMERCE, TOTAL .....	559	-	24	-	24	-
ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION 1/.....	140	-	24	-	24	-
NATIONAL BUREAU OF STANDARDS .....	419	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	8,931	20	11,554	3,800	9,464	3,000
DEPARTMENT OF THE ARMY .....	2,084	-	2,340	-	2,733	-
DEPARTMENT OF THE NAVY .....	3,741	20	6,152	3,800	3,029	3,000
DEPARTMENT OF THE AIR FORCE .....	2,400	-	2,400	-	2,800	-
DEFENSE AGENCIES .....	706	-	662	-	902	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL .....	11,121	103	11,550	258	13,322	420
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION .....	1,120	-	837	-	862	-
NATIONAL INSTITUTES OF HEALTH .....	9,838	-	10,432	-	12,019	-
OFFICE OF ASSISTANT SECRETARY FOR HEALTH .....	163	103	281	258	441	420
DEPARTMENT OF THE INTERIOR, TOTAL .....	591	591	540	540	500	500
OFFICE OF THE SECRETARY .....	591	591	540	540	500	500
DEPARTMENT OF JUSTICE, TOTAL .....	94	-	-	-	-	-
OFFICE OF JUSTICE ASSISTANCE, RESEARCH, AND STATISTICS .....	94	-	-	-	-	-
OTHER AGENCIES						
FOUNDATION FOR EDUCATION ASSISTANCE 2/.....	36	-	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION .....	2,452	-	2,476	-	2,476	-
NATIONAL SCIENCE FOUNDATION .....	1,674	1,423	1,418	1,150	838	545
SMITHSONIAN INSTITUTION .....	3,702	3,702	3,201	3,201	2,100	2,100

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-100. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH TO FOREIGN PERFORMERS AND AMOUNT SUPPORTED THROUGH THE SPECIAL FOREIGN CURRENCY PROGRAM, BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1981		ESTIMATES			
	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	1982		1983	
			TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM
TOTAL, ALL AGENCIES .....	74,794	3,900	92,674	5,517	92,764	5,509
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL .....	2,608	1,457	2,397	1,487	2,379	1,429
AGRICULTURAL RESEARCH SERVICE .....	1,089	-	859	-	905	-
FOREST SERVICE .....	62	-	51	-	45	-
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT .....	1,457	1,457	1,487	1,487	1,429	1,429
DEPARTMENT OF COMMERCE, TOTAL .....	6,661	-	8,768	-	8,935	-
ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION 1/ .....	6,335	-	8,625	-	8,905	-
NATIONAL BUREAU OF STANDARDS .....	14	-	-	-	-	-
NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION .....	312	-	86	-	30	-
OFFICE OF THE SECRETARY .....	-	-	57	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	6,217	-	7,902	-	10,733	-
DEPARTMENT OF THE ARMY .....	1,695	-	1,475	-	2,117	-
DEPARTMENT OF THE NAVY .....	37	-	33	-	80	-
DEPARTMENT OF THE AIR FORCE .....	3,611	-	3,390	-	4,067	-
DEFENSE AGENCIES .....	86	-	3,004	-	4,469	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL .....	13,031	1,907	16,476	3,670	16,433	3,910
ALCOHOL, DRUG ABUSE & MENTAL HEALTH ADMINISTRATION .....	459	-	902	-	981	-
CENTERS FOR DISEASE CONTROL .....	994	650	1,988	1,688	2,080	1,880
HEALTH SERVICES ADMINISTRATION .....	227	227	587	587	565	565
HUMAN DEVELOPMENT SERVICES .....	980	-	1,945	-	1,473	-
NATIONAL INSTITUTES OF HEALTH .....	10,024	986	10,870	1,285	11,123	1,285
OFFICE OF ASSISTANT SECRETARY FOR HEALTH .....	123	44	144	110	211	180
SOCIAL SECURITY ADMINISTRATION .....	224	-	40	-	-	-
OTHER AGENCIES						
ENVIRONMENTAL PROTECTION AGENCY .....	1,157	-	1,300	-	1,200	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/ .....	122	-	186	-	70	-
INTERNATIONAL DEVELOPMENT COOPERATION AGENCY .....	42,513	-	53,256	-	50,695	-
AGENCY FOR INTERNATIONAL DEVELOPMENT .....	42,513	-	53,256	-	50,695	-
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION .....	1,125	-	1,134	-	1,134	-
NATIONAL SCIENCE FOUNDATION .....	539	536	360	360	170	170
NUCLEAR REGULATORY COMMISSION .....	821	-	895	-	915	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-101. FEDERAL OBLIGATIONS FOR DEVELOPMENT TO FOREIGN PERFORMERS AND AMOUNT SUPPORTED THROUGH THE SPECIAL FOREIGN CURRENCY PROGRAM, BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1981		ESTIMATES			
	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	1982		1983	
			TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM	TOTAL	SPECIAL FOREIGN CURRENCY PROGRAM
TOTAL, ALL AGENCIES .....	234,003	423	216,194	548	190,014	638
DEPARTMENTS						
DEPARTMENT OF AGRICULTURE, TOTAL .....	382	243	354	248	350	238
AGRICULTURAL RESEARCH SERVICE .....	139	-	106	-	112	-
OFFICE OF INTERNATIONAL COOPERATION AND DEVELOPMENT .....	243	243	248	248	238	238
DEPARTMENT OF COMMERCE, TOTAL .....	20,586	-	13,869	-	10,665	-
ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION 1/.....	20,586	-	13,869	-	10,665	-
DEPARTMENT OF DEFENSE, TOTAL .....	65,446	180	58,182	300	33,080	400
DEPARTMENT OF THE ARMY .....	1,258	-	507	-	578	-
DEPARTMENT OF THE NAVY .....	60,154	180	52,111	300	26,083	400
DEPARTMENT OF THE AIR FORCE .....	4,034	-	5,564	-	6,419	-
DEPARTMENT OF HEALTH AND HUMAN SERVICES, TOTAL .....	4,602	-	4,867	-	5,139	-
NATIONAL INSTITUTES OF HEALTH .....	4,582	-	4,658	-	5,131	-
OFFICE OF ASSISTANT SECRETARY FOR HEALTH .....	20	-	9	-	8	-
DEPARTMENT OF THE INTERIOR, TOTAL .....	130	-	-	-	-	-
BONNEVILLE POWER ADMINISTRATION .....	130	-	-	-	-	-
OTHER AGENCIES-						
FOUNDATION FOR EDUCATION ASSISTANCE 2/.....	93	-	83	-	-	-
INTERNATIONAL DEVELOPMENT COOPERATION AGENCY .....	26,696	-	22,739	-	24,680	-
AGENCY FOR INTERNATIONAL DEVELOPMENT .....	26,696	-	22,739	-	24,680	-
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION .....	116,068	-	116,100	-	116,100	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-102. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION AND STATE	RESEARCH, DEVELOPMENT AND R&D PLANT	RESEARCH AND DEVELOPMENT	R&D PLANT
TOTAL.....	35,180,938	33,726,510	1,454,428
NEW ENGLAND.....	3,250,170	3,195,964	54,206
CONNECTICUT.....	494,248	485,047	9,201
MAINE.....	24,384	24,371	13
MASSACHUSETTS.....	2,466,247	2,430,569	35,678
NEW HAMPSHIRE.....	62,451	54,765	7,686
RHODE ISLAND.....	184,092	182,478	1,614
VERMONT.....	18,748	18,734	14
MIDDLE ATLANTIC.....	3,652,080	3,415,973	236,107
NEW JERSEY.....	831,159	775,418	55,741
NEW YORK.....	1,642,804	1,557,684	85,120
PENNSYLVANIA.....	1,178,117	1,082,871	95,246
EAST NORTH CENTRAL.....	2,501,954	2,349,311	152,643
ILLINOIS.....	646,674	572,603	74,071
INDIANA.....	171,068	170,137	931
MICHIGAN.....	366,637	357,177	9,460
OHIO.....	1,182,388	1,117,179	65,209
WISCONSIN.....	135,187	132,215	2,972
WEST NORTH CENTRAL.....	1,836,777	1,829,644	7,133
IOWA.....	149,452	147,389	2,063
KANSAS.....	471,088	470,990	98
MINNESOTA.....	309,517	308,983	534
MISSOURI.....	822,160	820,378	1,782
NEBRASKA.....	32,248	31,663	585
NORTH DAKOTA.....	41,412	40,057	1,355
SOUTH DAKOTA.....	10,900	10,184	716
SOUTH ATLANTIC.....	7,408,589	7,236,327	170,262
DELAWARE.....	27,521	25,929	1,592
DISTRICT OF COLUMBIA.....	963,936	932,283	31,653
FLORIDA.....	1,659,506	1,634,032	25,474
GEORGIA.....	196,617	195,037	1,580
MARYLAND.....	2,835,771	2,783,448	52,323
NORTH CAROLINA.....	260,960	259,799	1,161
SOUTH CAROLINA.....	114,933	96,109	18,824
VIRGINIA.....	1,194,453	1,160,516	33,937
WEST VIRGINIA.....	154,892	151,174	3,718
EAST SOUTH CENTRAL.....	1,792,388	1,682,740	109,648
ALABAMA.....	589,078	572,597	16,481
KENTUCKY.....	105,318	101,049	4,269
MISSISSIPPI.....	128,893	125,499	3,394
TENNESSEE.....	969,099	883,595	85,504
WEST SOUTH CENTRAL.....	1,722,576	1,691,227	31,349
ARKANSAS.....	31,908	31,186	722
LOUISIANA.....	345,804	331,751	14,053
OKLAHOMA.....	85,091	82,423	2,668
TEXAS.....	1,259,773	1,245,867	13,906
MOUNTAIN.....	3,261,363	3,016,436	244,927
ARIZONA.....	368,061	367,680	381
COLORADO.....	659,691	632,817	26,874
IDAHO.....	131,440	119,524	11,916
MONTANA.....	45,500	45,405	95
NEVADA.....	345,883	262,979	82,904
NEW MEXICO.....	1,343,392	1,224,140	119,252
UTAH.....	307,136	305,657	1,479
WYOHING.....	60,260	58,234	2,026
PACIFIC.....	9,667,025	9,220,848	446,177
ALASKA.....	51,840	51,829	11
CALIFORNIA.....	8,321,391	7,965,966	355,425
HAWAII.....	50,619	49,897	722
OREGON.....	106,667	105,620	1,047
WASHINGTON.....	1,136,508	1,047,536	88,972
OUTLYING AREAS.....	39,545	38,885	660
OFFICES ABROAD.....	48,471	47,155	1,316

NOTE: THE OBLIGATIONS OF THE NINE MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 96 PERCENT OF TOTAL FEDERAL R&D AND R&D PLANT OBLIGATIONS IN FY 1981..

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-103. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY STATE AND PERFORMER: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	
TOTAL.....	33,726,510	8,353,343	16,194,265	1,289,924	4,352,653	1,794,781	1,021,924	505,807	213,813
CALIFORNIA.....	7,965,966	997,276	5,247,331	28,904	595,545	707,035	157,800	202,904	29,171
MARYLAND.....	2,783,448	1,805,724	687,989	26,366	217,254	-	39,546	228	6,341
MASSACHUSETTS.....	2,430,569	233,674	1,258,297	1,000	465,891	138,371	224,037	102,014	7,285
FLORIDA.....	1,634,032	539,436	1,007,493	-	75,994	-	6,652	-	4,457
NEW YORK.....	1,557,684	112,225	570,638	156,880	452,057	120,222	111,106	-	34,556
TEXAS.....	1,245,867	248,886	744,997	1	217,045	-	26,528	-	8,410
NEW MEXICO.....	1,224,140	222,961	157,164	433,242	39,169	358,365	11,316	-	1,923
VIRGINIA.....	1,160,516	491,181	540,069	-	63,646	13,497	32,793	16,854	2,476
OHIO.....	1,117,179	551,542	401,971	9,271	117,590	-	32,713	-	4,092
PENNSYLVANIA.....	1,082,871	294,177	278,870	216,326	226,406	-	60,703	-	6,389
WASHINGTON.....	1,047,536	78,442	650,120	123,250	164,610	-	21,721	63,926	5,467
DISTRICT OF COLUMBIA.....	932,283	700,988	95,900	-	47,501	1,242	82,845	-	3,807
TENNESSEE.....	883,595	75,664	524,239	189,147	62,135	23,854	6,651	-	1,905
MISSOURI.....	820,378	29,159	692,481	-	81,581	-	11,997	-	5,160
NEW JERSEY.....	775,418	292,879	347,160	-	59,207	66,196	4,087	-	5,889
COLORADO.....	632,817	98,327	286,533	-	78,264	32,337	11,237	119,881	6,238
ILLINOIS.....	572,603	50,627	47,631	-	179,144	251,671	38,207	-	5,323
ALABAMA.....	572,597	337,786	172,748	-	50,148	-	9,485	-	2,430
CONNECTICUT.....	485,047	17,357	346,008	4,200	107,347	-	5,745	-	4,390
KANSAS.....	470,990	5,754	436,883	-	25,736	-	1,565	-	1,052
ARIZONA.....	367,680	128,982	177,108	-	44,713	11,103	2,664	-	3,110
MICHIGAN.....	357,177	50,528	159,285	-	121,090	-	18,814	-	7,460
LOUISIANA.....	331,751	36,644	255,623	-	33,621	-	2,263	-	3,600
MINNESOTA.....	308,983	23,326	187,343	-	74,568	-	21,707	-	2,039
UTAH.....	305,657	43,107	201,607	-	57,199	-	953	-	2,791
NEVADA.....	262,979	32,481	215,222	-	6,530	-	7,616	-	1,130
NORTH CAROLINA.....	259,799	101,136	26,815	-	113,657	-	16,533	-	1,658
GEORGIA.....	195,037	58,287	57,775	-	68,043	-	7,347	-	3,585
RHODE ISLAND.....	182,478	129,913	15,267	-	28,531	-	7,159	-	1,608
INDIANA.....	170,137	39,172	53,023	-	75,775	-	1,054	-	1,113
WEST VIRGINIA.....	151,174	95,553	25,566	-	12,703	14,390	393	-	2,569
IOWA.....	147,389	12,466	70,982	-	46,367	15,956	611	-	1,007
MISCONSIN.....	132,215	19,250	5,587	-	103,494	-	2,425	-	1,459
MISSISSIPPI.....	125,499	72,610	24,570	-	25,774	-	813	-	1,732
IDAHO.....	119,524	9,482	7,169	64,541	5,560	29,588	350	-	2,234
OREGON.....	105,620	32,040	13,579	-	48,271	-	8,367	-	3,363
KENTUCKY.....	101,049	18,407	60,392	-	20,176	-	623	-	1,451
SOUTH CAROLINA.....	96,109	12,143	14,989	36,796	23,711	-	6,061	-	2,409
OKLAHOMA.....	82,423	45,652	12,103	-	20,396	-	2,882	-	1,350
WYOMING.....	58,234	49,100	142	-	8,767	-	-	-	225
NEW HAMPSHIRE.....	54,765	13,626	21,789	-	18,339	-	49	-	962
ALASKA.....	51,829	25,898	2,158	-	18,747	-	666	-	4,360
HAWAII.....	49,897	13,738	8,243	-	23,746	-	3,423	-	747
MONTANA.....	45,405	19,738	11,468	-	7,458	-	1,133	-	5,608
NORTH DAKOTA.....	40,057	23,391	7,711	-	7,395	-	-	-	1,560
NEBRASKA.....	31,663	9,231	5,029	-	15,287	-	1,233	-	883
ARKANSAS.....	31,186	14,897	1,892	-	11,459	19	623	-	2,296
MAINE.....	24,371	4,841	6,251	-	5,326	-	6,394	-	1,559
DELAWARE.....	25,929	922	15,534	-	8,422	-	499	-	552
VERMONT.....	18,734	1,037	4,347	-	12,183	-	372	-	795
SOUTH DAKOTA.....	10,184	2,619	72	-	4,432	-	2,112	-	949
OUTLYING AREAS.....	38,885	14,301	5,808	-	12,509	2,407	12	-	848
OFFICES ABROAD.....	47,155	14,760	24,694	-	2,134	5,528	39	-	-

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

NOTE: THE OBLIGATIONS OF THE NINE MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 9% PERCENT OF TOTAL FEDERAL R&D OBLIGATIONS IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-103A. PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO EACH PERFORMER, BY STATE: FISCAL YEAR 1981

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	
TOTAL.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
CALIFORNIA.....	23.6	11.9	32.4	2.2	13.7	39.4	15.4	40.1	13.6
MARYLAND.....	8.3	21.6	4.2	2.0	5.0	-	3.9	*	3.0
MASSACHUSETTS.....	7.2	2.8	7.8	.1	10.7	7.7	21.9	20.2	3.4
FLORIDA.....	4.8	6.5	6.2	-	1.7	-	.7	-	2.1
NEW YORK.....	4.6	1.3	3.5	12.2	10.4	6.7	10.9	-	16.2
TEXAS.....	3.7	3.0	4.6	*	5.0	-	2.6	-	3.9
NEW MEXICO.....	3.6	2.7	1.0	33.6	.9	20.0	1.1	-	.9
VIRGINIA.....	3.4	5.9	3.3	-	1.5	.8	3.2	3.3	1.2
OHIO.....	3.3	6.6	2.5	.7	2.7	-	3.2	-	1.9
PENNSYLVANIA.....	3.2	3.5	1.7	16.8	5.2	-	5.9	-	3.0
WASHINGTON.....	3.1	.9	4.0	9.6	2.4	-	2.1	12.6	2.6
DISTRICT OF COLUMBIA.....	2.8	8.4	.6	-	1.1	-	8.1	-	1.8
TENNESSEE.....	2.6	.9	3.2	14.7	1.4	1.3	.7	-	.9
MISSOURI.....	2.4	.3	4.3	-	1.9	-	1.2	-	2.4
NEW JERSEY.....	2.3	3.5	2.1	-	1.4	3.7	.4	-	2.8
COLORADO.....	1.9	1.2	1.8	-	1.8	1.8	1.1	23.7	2.9
ILLINOIS.....	1.7	.6	.3	-	4.1	14.0	3.7	-	2.5
ALABAMA.....	1.7	4.0	1.1	-	1.2	-	.9	-	1.1
CONNECTICUT.....	1.4	.2	2.1	.3	2.5	-	.6	-	2.1
KANSAS.....	1.4	.1	2.7	-	.6	-	.2	-	.5
ARIZONA.....	1.1	1.5	1.1	-	1.0	.6	.3	-	1.5
MICHIGAN.....	1.1	.6	1.0	-	2.8	-	1.8	-	3.5
LOUISIANA.....	1.0	.4	1.6	-	.8	-	.2	-	1.7
MINNESOTA.....	.9	.3	1.2	-	1.7	-	2.1	-	1.0
UTAH.....	.9	.5	1.2	-	1.3	-	.1	-	1.3
NEVADA.....	.8	.4	1.3	-	.2	-	.7	-	.5
NORTH CAROLINA.....	.8	1.2	.2	-	2.6	-	1.6	-	.8
GEORGIA.....	.6	.7	.4	-	1.6	-	.7	-	1.7
RHODE ISLAND.....	.5	1.6	.1	-	.7	-	.7	-	.8
INDIANA.....	.5	.5	.3	-	1.7	-	.1	-	.5
WEST VIRGINIA.....	.4	1.1	.2	-	.3	.8	*	-	1.2
IDAHO.....	.4	.1	.4	-	1.1	.9	.1	-	.5
WISCONSIN.....	.4	.2	.2	-	2.4	-	.2	-	.7
MISSISSIPPI.....	.4	.9	.2	-	.6	-	.1	-	.8
IDAHO.....	.4	.1	*	5.0	.1	1.6	*	-	1.0
OREGON.....	.3	.4	.1	-	1.1	-	.8	-	1.6
KENTUCKY.....	.3	.2	.4	-	.5	-	.1	-	.7
SOUTH CAROLINA.....	.3	.1	.1	2.9	.5	-	.6	-	1.1
OKLAHOMA.....	.2	.5	.1	-	.5	-	.3	-	.7
WYOMING.....	.2	.6	*	-	.2	-	-	-	.1
NEW HAMPSHIRE.....	.2	.2	.1	-	.4	-	*	-	.4
ALASKA.....	.2	.3	*	-	.4	-	.1	-	2.0
HAWAII.....	.1	.2	.1	-	.5	-	.3	-	.3
MONTANA.....	.1	.2	.1	-	.2	-	.1	-	2.6
NORTH DAKOTA.....	.1	.3	*	-	.2	-	-	-	.7
NEBRASKA.....	.1	.1	*	-	.4	-	.1	-	.4
ARKANSAS.....	.1	.2	*	-	.3	*	.1	-	1.1
MAINE.....	.1	.1	*	-	.1	-	.6	-	.7
DELAWARE.....	.1	*	.1	-	.2	-	*	-	.3
VERMONT.....	.1	*	*	-	.3	-	*	-	.4
SOUTH DAKOTA.....	*	*	*	-	.1	-	.2	-	.4
OUTLYING AREAS.....	.1	.2	*	-	.3	.3	*	-	.4
OFFICES ABROAD.....	.1	.2	.2	-	*	.3	*	-	-

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

\*PERCENTAGE LESS THAN .05%.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-103B. PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT TO EACH STATE, BY PERFORMER: FISCAL YEAR 1981

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NONPROFIT INSTITUTIONS	
TOTAL.....	100.0%	24.8%	48.0%	3.8%	12.9%	5.3%	3.0%	1.5%	0.6%
CALIFORNIA.....	100.0	12.5	65.9	.4	7.5	8.9	2.0	2.5	.4
MARYLAND.....	100.0	64.9	24.7	.9	7.8	-	1.4	*	.2
MASSACHUSETTS.....	100.0	9.6	51.8	*	19.2	5.7	9.2	4.2	.3
FLORIDA.....	100.0	33.0	61.7	-	4.7	-	.4	-	.3
NEW YORK.....	100.0	7.2	36.6	10.1	29.0	7.7	7.1	-	2.2
TEXAS.....	100.0	20.0	59.8	*	17.4	-	2.1	-	.7
NEW MEXICO.....	100.0	18.2	12.8	35.4	3.2	29.3	.9	-	.2
VIRGINIA.....	100.0	42.3	46.5	-	5.5	1.2	2.8	1.5	.2
OHIO.....	100.0	49.4	36.0	.8	10.5	-	2.9	-	.4
PENNSYLVANIA.....	100.0	27.2	25.8	20.0	20.9	-	5.6	-	.6
WASHINGTON.....	100.0	7.5	62.1	11.8	10.0	-	2.2	6.1	.5
DISTRICT OF COLUMBIA.....	100.0	75.2	10.3	-	5.1	.1	8.9	-	.4
TENNESSEE.....	100.0	8.6	59.3	21.4	7.0	2.7	.8	-	.2
MISSOURI.....	100.0	3.6	84.4	-	9.9	-	1.5	-	.6
NEW JERSEY.....	100.0	37.8	44.8	-	7.6	8.5	.5	-	.8
COLORADO.....	100.0	15.5	45.3	-	12.4	5.1	1.8	18.9	1.0
ILLINOIS.....	100.0	8.8	8.3	-	31.3	44.0	6.7	-	.9
ALABAMA.....	100.0	59.0	30.2	-	8.8	-	1.7	-	.4
CONNECTICUT.....	100.0	3.6	71.3	.9	22.1	-	1.2	-	.9
KANSAS.....	100.0	1.2	92.8	-	5.5	-	.3	-	.2
ARIZONA.....	100.0	35.1	48.2	-	12.2	3.0	.7	-	.8
MICHIGAN.....	100.0	14.1	44.6	-	33.9	-	5.3	-	2.1
LOUISIANA.....	100.0	11.0	77.1	-	10.1	-	.7	-	1.1
MINNESOTA.....	100.0	7.5	60.6	-	24.1	-	7.0	-	.7
UTAH.....	100.0	14.1	66.0	-	18.7	-	.3	-	.9
NEVADA.....	100.0	12.4	81.8	-	2.5	-	2.9	-	.4
NORTH CAROLINA.....	100.0	38.9	10.3	-	43.7	-	6.4	-	.6
GEORGIA.....	100.0	29.9	29.6	-	34.9	-	3.8	-	1.8
RHODE ISLAND.....	100.0	71.2	8.4	-	15.6	-	3.9	-	.9
INDIANA.....	100.0	23.0	31.2	-	44.5	-	.6	-	.7
WEST VIRGINIA.....	100.0	63.2	16.9	-	8.4	9.5	.3	-	1.7
IOWA.....	100.0	8.5	48.2	-	31.5	10.8	.4	-	.7
WISCONSIN.....	100.0	14.6	4.2	-	78.3	-	1.8	-	1.1
MISSISSIPPI.....	100.0	57.9	19.6	-	20.5	-	.6	-	1.4
IDAHO.....	100.0	7.9	6.5	54.0	4.7	24.8	.3	-	1.9
OREGON.....	100.0	30.3	12.9	-	45.7	-	7.9	-	3.2
KENTUCKY.....	100.0	18.2	59.8	-	20.0	-	.6	-	1.4
SOUTH CAROLINA.....	100.0	12.6	15.6	38.3	24.7	-	6.3	-	2.5
OKLAHOMA.....	100.0	55.4	14.7	-	24.7	-	3.5	-	1.7
WYOMING.....	100.0	84.3	.2	-	15.1	-	-	-	.4
NEW HAMPSHIRE.....	100.0	24.9	39.8	-	33.5	-	.1	-	1.8
ALASKA.....	100.0	50.0	4.2	-	36.2	-	1.3	-	8.4
HAWAII.....	100.0	27.5	16.5	-	47.6	-	6.9	-	1.5
MONTANA.....	100.0	43.5	25.3	-	16.4	-	2.5	-	12.4
NORTH DAKOTA.....	100.0	58.4	19.3	-	18.5	-	-	-	3.9
NEBRASKA.....	100.0	29.2	15.9	-	48.3	-	3.9	-	2.8
ARKANSAS.....	100.0	47.8	6.1	-	36.7	.1	2.0	-	7.4
MAINE.....	100.0	19.9	25.6	-	21.9	-	26.2	-	6.4
DELAWARE.....	100.0	3.6	59.9	-	32.5	-	1.9	-	2.1
VERMONT.....	100.0	5.5	23.2	-	65.0	-	2.0	-	4.2
SOUTH DAKOTA.....	100.0	25.7	.7	-	43.5	-	20.7	-	9.3
OUTLYING AREAS.....	100.0	36.8	14.9	-	32.2	13.9	*	-	2.2
OFFICES ABROAD.....	100.0	31.3	52.4	-	4.5	11.7	.1	-	-

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

\*PERCENTAGE LESS THAN .05%.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-104. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY STATE AND AGENCY: FISCAL YEAR 1981  
(THOUSANDS OF DOLLARS)

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	DEPT OF AGRICULTURE	DEPT OF COMMERCE 1/	DEPT OF DEFENSE	DEPT OF HEALTH & HUMAN SERVICES	DEPT OF THE INTERIOR	DEPT OF TRANSPORTATION	ENVIRONMENTAL PROTECTION AGENCY	NATIONAL AERONAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION
TOTAL.....	33,726,510	768,950	5,218,344	16,428,055	3,898,387	426,384	415,539	324,543	5,286,957	959,351
CALIFORNIA.....	7,965,966	48,581	830,919	4,489,872	436,557	51,438	34,556	17,080	1,911,438	145,525
MARYLAND.....	2,783,448	63,638	139,825	1,093,925	915,566	13,417	43,764	7,106	487,960	18,247
MASSACHUSETTS.....	2,430,569	6,689	99,387	1,780,165	303,285	10,672	62,244	6,912	88,752	72,463
FLORIDA.....	1,634,032	18,551	30,723	911,101	43,451	5,409	6,533	6,469	599,031	12,764
NEW YORK.....	1,557,684	22,054	291,726	663,836	408,598	7,523	10,303	14,838	42,212	96,594
TEXAS.....	1,245,867	35,344	61,901	433,124	138,823	8,491	30,103	9,358	506,439	22,284
NEW MEXICO.....	1,224,140	3,388	798,506	371,416	12,486	8,558	634	104	23,690	5,358
VIRGINIA.....	1,160,516	6,260	38,805	705,905	52,806	33,944	30,187	7,764	271,611	13,234
OHIO.....	1,117,179	10,915	143,387	599,719	97,525	5,257	14,799	43,965	184,693	16,919
PENNSYLVANIA.....	1,082,871	24,348	311,214	379,620	184,935	29,850	10,209	10,723	95,589	36,383
WASHINGTON.....	1,047,536	13,904	282,208	606,410	83,264	13,232	6,968	3,716	18,881	18,953
DISTRICT OF COLUMBIA.....	932,283	85,934	167,135	312,988	88,499	12,661	55,035	16,435	77,632	115,964
TENNESSEE.....	883,595	6,356	538,014	268,559	46,935	2,533	1,516	3,573	10,117	5,692
MISSOURI.....	820,378	11,168	3,677	705,060	71,364	9,100	3,827	2,386	7,186	6,610
NEW JERSEY.....	775,418	2,939	103,867	536,742	29,371	4,006	16,668	16,574	34,930	30,321
COLORADO.....	632,817	16,047	193,545	183,937	43,309	45,850	13,968	8,915	81,164	46,082
ILLINOIS.....	572,603	29,206	298,634	52,183	109,034	7,062	5,774	11,552	12,384	46,774
ALABAMA.....	572,597	9,059	13,755	261,837	42,835	5,993	2,589	1,370	233,633	1,526
CONNECTICUT.....	485,047	3,641	23,836	241,050	80,173	1,592	11,025	1,754	109,071	12,905
KANSAS.....	470,990	6,415	3,352	435,567	14,455	1,467	816	283	4,831	3,804
ARIZONA.....	367,680	12,572	13,475	198,725	21,277	6,471	2,561	596	91,496	20,507
MICHIGAN.....	357,177	10,949	12,582	180,282	82,331	8,093	9,544	13,221	15,553	24,622
LOUISIANA.....	331,751	33,004	43,323	21,426	20,858	2,035	3,270	830	203,935	3,070
MINNESOTA.....	308,983	13,463	17,090	168,416	72,261	9,751	1,684	7,022	9,365	9,931
UTAH.....	305,657	8,411	14,736	150,919	27,841	10,711	628	319	85,056	7,036
NEVADA.....	262,979	1,750	217,795	24,526	627	8,287	164	7,428	1,183	1,219
NORTH CAROLINA.....	259,799	17,398	11,751	34,398	117,431	3,506	991	56,734	6,517	11,073
GEORGIA.....	195,037	29,763	23,961	49,499	54,440	4,004	2,228	8,818	11,997	10,327
RHODE ISLAND.....	182,478	1,246	4,462	143,787	13,080	736	429	5,011	1,246	12,481
INDIANA.....	170,137	8,047	8,367	84,515	28,137	2,268	8,345	1,293	7,351	21,814
WEST VIRGINIA.....	151,174	8,162	82,557	24,471	13,135	6,104	625	1,158	194	14,768
IOWA.....	147,389	17,895	15,636	71,828	29,798	1,768	706	1,336	3,967	4,455
WISCONSIN.....	132,215	24,062	8,671	6,624	60,948	3,290	224	3,013	5,654	19,729
MISSISSIPPI.....	125,499	22,982	8,224	61,521	7,858	1,406	1,361	832	16,324	4,991
IDAHO.....	119,524	10,269	102,353	-	677	5,291	117	183	340	294
OREGON.....	105,620	18,758	13,541	5,870	28,430	15,390	1,419	6,902	3,955	11,355
KENTUCKY.....	101,049	7,340	59,551	12,034	15,367	1,908	499	1,540	700	2,110
SOUTH CAROLINA.....	96,109	10,004	58,865	3,088	13,380	2,153	603	2,959	433	4,624
OKLAHOMA.....	82,423	8,786	30,125	5,284	8,795	1,719	11,484	8,845	4,894	2,491
WYOMING.....	58,234	3,273	44,234	424	573	6,109	228	764	288	2,341
NEW HAMPSHIRE.....	54,765	3,041	4,132	28,933	9,238	1,779	355	313	3,044	3,930
ALASKA.....	51,829	5,658	6,883	12,457	1,650	13,987	1,142	1,435	2,175	6,442
HAWAII.....	49,897	4,021	6,318	16,354	10,326	3,394	338	267	3,531	5,348
MONTANA.....	45,405	10,560	12,167	617	7,729	10,939	254	875	898	1,966
NORTH DAKOTA.....	40,057	14,177	11,327	7,148	1,573	5,939	189	43	13	248
NEBRASKA.....	31,663	12,301	1,511	4,877	6,860	1,442	331	-	399	3,942
ARKANSAS.....	31,186	6,311	2,138	1,519	12,999	2,140	1,131	804	2,054	2,090
MAINE.....	24,371	3,341	1,697	4,588	8,054	1,853	1,969	419	283	2,167
DELAWARE.....	25,929	2,351	2,263	13,855	1,621	353	845	500	1,034	3,107
VERMONT.....	18,734	2,144	137	3,677	10,797	751	149	101	421	557
SOUTH DAKOTA.....	10,184	4,145	301	138	2,729	2,039	117	105	146	464
OUTLYING AREAS.....	38,885	6,533	3,403	14,372	4,296	3,913	90	-	356	5,922
OFFICES ABROAD.....	47,155	1,796	352	38,567	-	-	1	-	911	5,528

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

NOTE: THE OBLIGATIONS OF THE NINE MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 96 PERCENT OF TOTAL FEDERAL R&D OBLIGATIONS IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-104A. PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT OF EACH AGENCY, BY STATE: FISCAL YEAR 1981

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	DEPT OF AGRICULTURE	DEPT OF COMMERCE <sup>1/</sup>	DEPT OF DEFENSE	DEPT OF HEALTH & HUMAN SERVICES	DEPT OF THE INTERIOR	DEPT OF TRANSPORTATION	ENVIRONMENTAL PROTECTION AGENCY	NATIONAL AERONAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION
TOTAL.....	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
CALIFORNIA.....	23.6	6.3	15.9	27.3	11.2	12.1	8.3	5.3	36.2	15.2
MARYLAND.....	8.3	8.3	2.7	6.7	23.5	3.1	10.5	2.2	9.2	1.9
MASSACHUSETTS.....	7.2	.9	1.9	10.8	7.8	2.5	15.0	2.1	1.7	7.6
FLORIDA.....	4.8	2.4	.6	5.5	1.1	1.3	1.6	2.0	11.3	1.3
NEW YORK.....	4.6	2.8	5.6	4.0	10.5	1.8	2.5	4.6	.8	10.1
TEXAS.....	3.7	4.6	1.2	2.6	3.6	2.0	7.2	2.9	9.6	2.3
NEW MEXICO.....	3.6	.4	15.3	2.3	1.3	2.0	.2	*.4	.4	.6
VIRGINIA.....	3.4	.8	.7	4.3	1.4	8.0	7.3	2.4	5.1	1.4
OHIO.....	3.3	1.4	2.7	3.7	2.5	1.2	3.6	13.5	3.5	1.8
PENNSYLVANIA.....	3.2	3.2	6.0	2.3	4.7	7.0	2.5	3.3	1.8	3.8
WASHINGTON.....	3.1	1.8	5.4	3.7	2.1	3.1	1.7	1.1	.4	2.0
DISTRICT OF COLUMBIA.....	2.8	11.2	3.2	1.9	2.3	3.0	13.2	5.1	1.5	12.1
TENNESSEE.....	2.6	.8	10.3	1.6	1.2	.6	.4	1.1	.2	.6
MISSOURI.....	2.4	1.5	1.1	4.3	1.8	2.1	.9	.7	.1	.7
NEW JERSEY.....	2.3	.4	2.0	3.3	.8	.9	4.0	5.1	.7	3.2
COLORADO.....	1.9	2.1	3.7	1.1	1.1	10.8	3.4	2.7	1.5	4.8
ILLINOIS.....	1.7	3.8	5.7	.3	2.8	1.7	1.4	3.6	.2	4.9
ALABAMA.....	1.7	1.2	.3	1.6	1.1	1.4	.6	.4	4.4	.2
CONNECTICUT.....	1.4	.5	.5	1.5	2.1	.4	2.7	.5	2.1	1.3
KANSAS.....	1.4	.8	.1	2.7	.4	.3	.2	.1	.1	.4
ARIZONA.....	1.1	1.6	.3	1.2	.5	1.5	.6	.2	1.7	2.1
MICHIGAN.....	1.1	1.4	.2	1.1	2.1	1.9	2.3	4.1	.3	2.6
LOUISIANA.....	1.0	4.3	.8	.1	.5	.5	.8	.3	3.9	.3
MINNESOTA.....	.9	1.8	.3	1.0	1.9	2.3	.4	2.2	.2	1.0
UTAH.....	.9	1.1	.3	.9	.7	2.5	.2	.1	1.6	.7
NEVADA.....	.8	.2	4.2	.1	*	1.9	*	2.3	*	.1
NORTH CAROLINA.....	.8	2.3	.2	.2	3.0	.8	.2	17.5	.1	1.2
GEORGIA.....	.6	3.9	.5	.3	1.4	.9	.5	2.7	.2	1.1
RHODE ISLAND.....	.5	.2	.1	.9	.3	.2	.1	1.5	*	1.3
INDIANA.....	.5	1.0	.2	.5	.7	.5	2.0	.4	.1	2.3
WEST VIRGINIA.....	.4	1.1	1.6	.1	.3	1.4	.2	.4	*	1.5
IOWA.....	.4	2.3	.3	.4	.8	.4	.2	.4	.1	.5
WISCONSIN.....	.4	3.1	.2	*	1.6	.8	.1	.9	.1	2.1
MISSISSIPPI.....	.4	3.0	.2	.4	.2	.3	.3	.3	.3	.5
IDAHO.....	.4	1.3	2.0	-	*	1.2	*	.1	*	*
OREGON.....	.3	2.4	.3	*	.7	3.6	.3	2.1	.1	1.2
KENTUCKY.....	.3	1.0	1.1	.1	.4	.4	.1	.5	*	.2
SOUTH CAROLINA.....	.3	1.3	1.1	*	.3	.5	.1	.9	*	.5
OKLAHOMA.....	.2	1.1	.6	*	.2	.4	2.8	2.7	.1	.3
WYOMING.....	.2	.4	.8	*	*	1.4	.1	.2	*	.2
NEW HAMPSHIRE.....	.2	.4	.1	.2	.2	.4	.1	.1	.1	.4
ALASKA.....	.2	.7	.1	.1	*	3.3	.3	.4	*	.7
HAWAII.....	.1	.5	.1	.1	.3	.8	.1	.1	.1	.6
MONTANA.....	.1	1.4	.2	*	.2	2.4	.1	.3	*	.2
NORTH DAKOTA.....	.1	1.8	.2	*	*	1.3	*	*	*	*
NEBRASKA.....	.1	1.6	*	*	.2	.3	.1	-	*	.4
ARKANSAS.....	.1	.8	*	*	.3	.5	.3	.2	*	.2
MAINE.....	.1	.4	*	*	.2	.4	.5	.1	*	.2
DELAWARE.....	.1	.3	*	.1	*	.1	.2	.2	*	.3
VERMONT.....	.1	.3	*	*	.3	.2	*	*	*	.1
SOUTH DAKOTA.....	*	.5	*	*	.1	.5	*	*	*	*
OUTLYING AREAS.....	.1	.8	.1	.1	.1	.9	*	-	*	.6
OFFICES ABROAD.....	.1	.2	*	.2	-	-	*	-	*	.6

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

\*PERCENTAGE LESS THAN .05%.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-1048. PERCENT DISTRIBUTION OF FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT OF EACH STATE, BY AGENCY: FISCAL YEAR 1981

STATE (IN ORDER OF TOTAL FEDERAL R&D OBLIGATIONS)	TOTAL	DEPT OF AGRICULTURE	DEPT OF COMMERCE	DEPT OF DEFENSE	DEPT OF HEALTH & HUMAN SERVICES	DEPT OF THE INTERIOR	DEPT OF TRANSPORTATION	ENVIRONMENTAL PROTECTION AGENCY	NATIONAL AERONAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION
TOTAL	100.0%	2.3%	15.5%	48.7%	11.6%	1.3%	1.2%	1.0%	15.7%	2.8%
CALIFORNIA	100.0	.6	10.4	56.4	5.5	.6	.4	.2	24.0	1.8
MARYLAND	100.0	2.3	5.0	39.3	32.9	.5	1.6	.3	17.5	.7
MASSACHUSETTS	100.0	.3	4.1	73.2	12.5	.4	2.6	.3	3.7	3.0
FLORIDA	100.0	1.1	1.9	55.8	2.7	.3	.4	.4	36.7	.8
NEW YORK	100.0	1.4	18.7	42.6	26.2	.5	.7	1.0	2.7	6.2
TEXAS	100.0	2.8	5.0	34.8	11.1	.7	2.4	.8	40.6	1.8
NEW MEXICO	100.0	.3	65.2	30.3	1.0	.7	.1	.7	1.9	.4
VIRGINIA	100.0	.5	3.3	60.8	4.6	2.9	2.6	.7	23.4	1.1
OHIO	100.0	1.0	12.8	53.7	8.7	.5	1.3	3.9	16.5	1.5
PENNSYLVANIA	100.0	2.2	28.7	35.1	17.1	2.8	.9	1.0	8.8	3.4
WASHINGTON	100.0	1.3	26.9	57.9	7.7	1.3	.7	.4	1.8	1.8
DISTRICT OF COLUMBIA	100.0	9.2	17.9	33.6	9.5	1.4	5.9	1.8	8.3	12.4
TENNESSEE	100.0	.7	60.9	30.4	5.3	.3	.2	.4	1.1	.6
MISSOURI	100.0	1.4	.4	85.9	8.7	1.1	.5	.3	.9	.8
NEW JERSEY	100.0	.4	13.4	69.2	3.8	.5	2.1	2.1	4.5	3.9
COLORADO	100.0	2.5	30.6	29.1	6.8	7.2	2.2	1.4	12.8	7.3
ILLINOIS	100.0	5.1	52.2	9.1	19.0	1.2	1.0	2.0	2.2	8.2
ALABAMA	100.0	1.6	2.4	45.7	7.5	1.0	.5	.2	40.8	.3
CONNECTICUT	100.0	.8	4.9	49.7	16.5	.3	2.3	.4	22.5	2.7
KANSAS	100.0	1.4	.7	92.5	3.1	.3	.2	.1	1.0	.8
ARIZONA	100.0	3.4	3.7	54.0	5.8	1.8	.7	.2	24.9	5.6
MICHIGAN	100.0	3.1	3.5	50.5	23.1	2.3	2.7	3.7	4.4	6.9
LOUISIANA	100.0	9.9	13.1	6.5	6.3	.6	1.0	.3	61.5	.9
MINNESOTA	100.0	4.4	5.5	54.5	23.4	3.2	.5	2.3	3.0	3.2
UTAH	100.0	2.8	4.8	49.4	9.1	3.5	.2	.1	27.8	2.3
NEVADA	100.0	.7	82.8	9.3	.2	3.2	.1	2.8	.4	.5
NORTH CAROLINA	100.0	6.7	4.5	13.2	45.2	1.3	.4	21.8	2.5	4.3
GEORGIA	100.0	15.3	12.3	25.4	27.9	2.1	1.1	4.5	6.2	5.3
RHODE ISLAND	100.0	.7	2.4	78.8	7.2	.4	.2	2.7	.7	6.8
INDIANA	100.0	4.7	4.9	49.7	16.5	1.3	4.9	.8	4.3	12.8
WEST VIRGINIA	100.0	5.4	54.6	16.2	8.7	4.0	.4	.8	.1	9.8
IDAH	100.0	12.1	10.6	48.7	20.2	1.2	.5	.9	2.7	3.0
WISCONSIN	100.0	18.2	6.6	5.0	46.1	2.5	.2	2.3	4.3	14.9
MISSISSIPPI	100.0	18.3	6.6	49.0	6.3	1.1	1.1	.7	13.0	4.0
IDAHO	100.0	8.6	85.6	-	.6	4.4	.1	.2	.3	.2
OREGON	100.0	17.8	12.8	5.6	26.9	14.6	1.3	6.5	3.7	10.8
KENTUCKY	100.0	7.3	58.9	11.9	15.2	1.9	.5	1.5	.7	2.1
SOUTH CAROLINA	100.0	10.4	61.2	3.2	13.9	2.2	.6	3.1	.5	4.8
OKLAHOMA	100.0	10.7	36.5	6.4	10.7	2.1	13.9	10.7	5.9	3.0
WYOMING	100.0	5.6	76.0	.7	1.0	10.5	.4	1.3	.5	4.0
NEW HAMPSHIRE	100.0	5.6	7.5	52.8	16.9	3.2	.6	.6	5.6	7.2
ALASKA	100.0	10.9	13.3	24.0	3.2	27.0	2.2	2.8	4.2	12.4
HAWAII	100.0	8.1	12.7	32.8	20.7	6.8	.7	.5	7.1	10.7
MONTANA	100.0	23.3	26.8	1.4	17.0	22.8	.6	1.9	2.0	4.3
NORTH DAKOTA	100.0	35.4	28.3	17.8	3.9	13.3	.5	.1	*	.6
NEBRASKA	100.0	38.8	4.8	15.4	21.7	4.6	1.0	-	1.3	12.4
ARKANSAS	100.0	20.2	6.9	4.9	41.7	6.9	3.6	2.6	6.6	6.7
MAINE	100.0	13.7	7.0	18.8	33.0	7.6	8.1	1.7	1.2	8.9
DELAWARE	100.0	9.1	8.7	53.4	6.3	1.4	3.3	1.9	4.0	12.0
VERMONT	100.0	11.4	.7	19.6	57.6	4.0	.8	.5	2.2	3.0
SOUTH DAKOTA	100.0	40.7	3.0	1.4	26.8	20.0	1.1	1.0	1.4	4.6
OUTLYING AREAS	100.0	16.8	8.8	37.0	11.0	10.1	.2	-	.9	15.2
OFFICES ABROAD	100.0	3.8	.7	81.8	-	-	*	-	1.9	11.7

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

\*PERCENTAGE LESS THAN .05%.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-105. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL					STATE AND LOCAL GOVTS	
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITU-TIONS		FFRDCS ADMIN BY NON-PROFIT INSTITU-TIONS
<b>TOTAL</b>									
TOTAL .....	33,726,510	8,353,343	16,194,265	1,289,924	4,352,653	1,794,781	1,021,924	505,807	213,813
DEPARTMENT OF AGRICULTURE .....	768,950	511,360	8,845	-	242,717	-	2,309	-	3,719
DEPARTMENT OF COMMERCE 2/ .....	5,218,344	687,568	1,344,703	1,154,797	346,439	1,400,604	76,046	184,114	24,073
DEPARTMENT OF DEFENSE .....	16,428,055	4,280,707	10,825,900	105,480	572,877	185,835	138,137	318,907	212
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	3,898,387	872,268	161,312	27,925	2,184,925	14,996	560,738	1,720	74,503
DEPARTMENT OF THE INTERIOR .....	426,384	273,794	62,010	58	39,355	1,631	3,635	308	45,593
DEPARTMENT OF TRANSPORTATION .....	415,539	122,355	193,202	-	28,491	4,000	22,375	-	45,116
ENVIRONMENTAL PROTECTION AGENCY .....	324,543	152,008	79,664	-	52,210	-	21,801	-	18,860
NATIONAL AERONAUTICS AND SPACE ADMIN ..	5,286,957	1,346,811	3,489,071	-	183,500	116,546	150,260	650	119
NATIONAL SCIENCE FOUNDATION .....	959,351	106,472	29,558	1,664	702,139	71,169	46,623	108	1,618
<b>NEW ENGLAND</b>									
TOTAL .....	3,195,964	400,448	1,651,959	5,200	637,617	138,371	243,756	102,014	16,599
DEPARTMENT OF AGRICULTURE .....	20,102	7,241	30	-	11,334	-	393	-	1,104
DEPARTMENT OF COMMERCE 2/ .....	133,651	8,932	46,731	4,200	57,446	10,408	3,004	-	2,930
DEPARTMENT OF DEFENSE .....	2,202,200	311,125	1,423,116	1,000	195,079	123,750	46,106	102,014	10
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	424,627	3,160	28,299	-	249,809	-	136,764	-	6,595
DEPARTMENT OF THE INTERIOR .....	17,383	4,934	7,505	-	2,476	-	-	-	2,468
DEPARTMENT OF TRANSPORTATION .....	76,171	54,760	13,520	-	1,454	3,800	-	-	2,637
ENVIRONMENTAL PROTECTION AGENCY .....	14,510	3,963	4,605	-	3,385	-	1,765	-	792
NATIONAL AERONAUTICS AND SPACE ADMIN ..	202,817	6,066	125,722	-	21,811	413	48,805	-	-
NATIONAL SCIENCE FOUNDATION .....	104,503	267	2,431	-	94,823	-	6,919	-	63
<b>CONNECTICUT</b>									
TOTAL .....	485,047	17,357	346,008	4,200	107,347	-	5,745	-	4,390
DEPARTMENT OF AGRICULTURE .....	3,641	1,699	-	-	1,269	-	-	-	673
DEPARTMENT OF COMMERCE 2/ .....	23,836	1,715	8,833	4,200	6,478	-	1,567	-	1,043
DEPARTMENT OF DEFENSE .....	241,050	8,696	220,762	-	11,588	-	4	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	80,173	-	903	-	74,429	-	3,309	-	1,532
DEPARTMENT OF THE INTERIOR .....	1,592	845	64	-	315	-	-	-	368
DEPARTMENT OF TRANSPORTATION .....	11,025	4,187	6,209	-	-	-	-	-	629
ENVIRONMENTAL PROTECTION AGENCY .....	1,754	-	1,228	-	53	-	328	-	145
NATIONAL AERONAUTICS AND SPACE ADMIN ..	109,071	215	107,660	-	1,114	-	82	-	-
NATIONAL SCIENCE FOUNDATION .....	12,905	-	349	-	12,101	-	455	-	-
<b>MAINE</b>									
TOTAL .....	24,371	4,841	6,251	-	5,326	-	6,394	-	1,559
DEPARTMENT OF AGRICULTURE .....	3,341	1,386	11	-	1,939	-	-	-	5
DEPARTMENT OF COMMERCE 2/ .....	1,697	-	400	-	878	-	231	-	188
DEPARTMENT OF DEFENSE .....	4,588	1,105	3,033	-	124	-	326	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	8,054	1,421	981	-	494	-	4,978	-	180
DEPARTMENT OF THE INTERIOR .....	1,853	823	-	-	270	-	-	-	760
DEPARTMENT OF TRANSPORTATION .....	1,969	99	1,732	-	-	-	-	-	138
ENVIRONMENTAL PROTECTION AGENCY .....	419	-	5	-	126	-	-	-	288
NATIONAL AERONAUTICS AND SPACE ADMIN ..	283	7	-	-	10	-	266	-	-
NATIONAL SCIENCE FOUNDATION .....	2,167	-	89	-	1,485	-	593	-	-
<b>MASSACHUSETTS</b>									
TOTAL .....	2,430,569	233,674	1,258,297	1,000	465,891	138,371	224,037	102,014	7,285
DEPARTMENT OF AGRICULTURE .....	6,689	1,810	19	-	4,047	-	387	-	426
DEPARTMENT OF COMMERCE 2/ .....	99,387	6,929	33,996	-	46,296	10,408	1,091	-	667
DEPARTMENT OF DEFENSE .....	1,780,165	164,283	1,163,393	1,000	179,973	123,750	45,752	102,014	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	303,285	1,739	25,874	-	149,268	-	122,007	-	4,397
DEPARTMENT OF THE INTERIOR .....	10,672	1,887	6,986	-	1,341	-	-	-	458
DEPARTMENT OF TRANSPORTATION .....	62,244	50,407	5,508	-	1,323	3,800	-	-	1,206
ENVIRONMENTAL PROTECTION AGENCY .....	6,912	758	3,357	-	1,686	-	1,043	-	68
NATIONAL AERONAUTICS AND SPACE ADMIN ..	88,752	5,713	17,265	-	17,040	413	48,321	-	-
NATIONAL SCIENCE FOUNDATION .....	72,463	148	1,899	-	64,917	-	5,436	-	63
<b>NEW HAMPSHIRE</b>									
TOTAL .....	54,765	13,626	21,789	-	18,339	-	49	-	962
DEPARTMENT OF AGRICULTURE .....	3,041	1,639	-	-	1,402	-	-	-	-
DEPARTMENT OF COMMERCE 2/ .....	4,132	77	3,298	-	670	-	-	-	87
DEPARTMENT OF DEFENSE .....	28,933	10,764	17,624	-	535	-	-	-	10
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	9,238	-	-	-	9,106	-	-	-	132
DEPARTMENT OF THE INTERIOR .....	1,779	913	435	-	115	-	-	-	316
DEPARTMENT OF TRANSPORTATION .....	355	-	32	-	96	-	-	-	227
ENVIRONMENTAL PROTECTION AGENCY .....	313	-	-	-	123	-	-	-	190
NATIONAL AERONAUTICS AND SPACE ADMIN ..	3,044	114	336	-	2,594	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	3,930	119	64	-	3,698	-	49	-	-

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TABLE C-105. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL							
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITU-TIONS	FFRDCS ADMIN BY NON-PROFIT INSTITU-TIONS	STATE AND LOCAL GOVTS	
<b>RHODE ISLAND</b>										
TOTAL .....	182,478	129,913	15,267	-	28,531	-	7,159	-	-	1,608
DEPARTMENT OF AGRICULTURE .....	1,246	-	-	-	1,246	-	-	-	-	-
DEPARTMENT OF COMMERCE 2/ .....	4,462	158	204	-	3,059	-	115	-	-	926
DEPARTMENT OF DEFENSE .....	143,787	126,277	14,726	-	2,760	-	24	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	13,080	-	50	-	6,764	-	6,104	-	-	162
DEPARTMENT OF THE INTERIOR .....	736	256	-	-	320	-	-	-	-	160
DEPARTMENT OF TRANSPORTATION .....	429	-	34	-	35	-	-	-	-	360
ENVIRONMENTAL PROTECTION AGENCY .....	5,011	3,205	15	-	1,397	-	394	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN ..	1,246	17	208	-	885	-	136	-	-	-
NATIONAL SCIENCE FOUNDATION .....	12,481	-	30	-	12,065	-	386	-	-	-
<b>VERMONT</b>										
TOTAL .....	18,734	1,037	4,347	-	12,183	-	372	-	-	795
DEPARTMENT OF AGRICULTURE .....	2,144	707	-	-	1,431	-	6	-	-	-
DEPARTMENT OF COMMERCE 2/ .....	137	53	-	-	65	-	-	-	-	19
DEPARTMENT OF DEFENSE .....	3,677	-	3,578	-	99	-	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	10,797	-	491	-	9,748	-	366	-	-	192
DEPARTMENT OF THE INTERIOR .....	751	210	20	-	115	-	-	-	-	406
DEPARTMENT OF TRANSPORTATION .....	149	67	5	-	-	-	-	-	-	77
ENVIRONMENTAL PROTECTION AGENCY .....	101	-	-	-	-	-	-	-	-	101
NATIONAL AERONAUTICS AND SPACE ADMIN ..	421	-	253	-	168	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	557	-	-	-	557	-	-	-	-	-
<b>MIDDLE ATLANTIC</b>										
TOTAL .....	3,415,973	699,281	1,196,668	373,206	737,670	186,418	175,896	-	-	46,834
DEPARTMENT OF AGRICULTURE .....	49,341	28,558	900	-	19,399	-	343	-	-	141
DEPARTMENT OF COMMERCE 2/ .....	706,697	101,960	89,333	278,349	51,219	180,693	3,552	-	-	1,701
DEPARTMENT OF DEFENSE .....	1,580,798	518,554	895,565	94,857	60,981	2,067	8,174	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	622,904	1,637	6,677	-	440,509	3,218	139,860	-	-	31,003
DEPARTMENT OF THE INTERIOR .....	41,379	20,032	14,123	-	4,445	50	933	-	-	1,796
DEPARTMENT OF TRANSPORTATION .....	37,180	12,489	13,131	-	2,768	-	324	-	-	8,468
ENVIRONMENTAL PROTECTION AGENCY .....	42,135	8,397	23,850	-	4,490	-	2,013	-	-	3,385
NATIONAL AERONAUTICS AND SPACE ADMIN ..	172,731	7,654	139,650	-	18,003	-	7,363	-	-	61
NATIONAL SCIENCE FOUNDATION .....	163,298	-	13,439	-	135,856	390	13,334	-	-	279
<b>NEW JERSEY</b>										
TOTAL .....	775,418	292,879	347,160	-	59,207	66,196	4,087	-	-	5,889
DEPARTMENT OF AGRICULTURE .....	2,939	79	16	-	2,801	-	18	-	-	25
DEPARTMENT OF COMMERCE 2/ .....	103,867	12,024	16,635	-	8,285	66,196	184	-	-	543
DEPARTMENT OF DEFENSE .....	536,742	261,994	270,738	-	3,927	-	83	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	29,371	53	2,054	-	22,971	-	2,523	-	-	1,770
DEPARTMENT OF THE INTERIOR .....	4,006	1,903	1,320	-	285	-	-	-	-	498
DEPARTMENT OF TRANSPORTATION .....	16,668	10,661	3,633	-	538	-	77	-	-	1,759
ENVIRONMENTAL PROTECTION AGENCY .....	15,574	5,726	9,127	-	320	-	107	-	-	1,294
NATIONAL AERONAUTICS AND SPACE ADMIN ..	34,930	439	31,191	-	3,300	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	30,321	-	12,446	-	16,780	-	1,095	-	-	-
<b>NEW YORK</b>										
TOTAL .....	1,557,684	112,225	570,638	156,880	452,057	120,222	111,106	-	-	34,556
DEPARTMENT OF AGRICULTURE .....	22,054	13,056	541	-	8,135	-	256	-	-	66
DEPARTMENT OF COMMERCE 2/ .....	291,726	1,198	32,765	107,169	33,797	114,497	1,213	-	-	1,087
DEPARTMENT OF DEFENSE .....	663,836	83,718	500,583	49,711	20,246	2,067	7,511	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	408,598	1,327	3,529	-	289,019	3,218	83,902	-	-	27,603
DEPARTMENT OF THE INTERIOR .....	7,523	3,375	1,089	-	2,209	50	-	-	-	800
DEPARTMENT OF TRANSPORTATION .....	10,303	929	5,657	-	778	-	40	-	-	2,899
ENVIRONMENTAL PROTECTION AGENCY .....	14,838	2,037	7,247	-	2,533	-	1,260	-	-	1,761
NATIONAL AERONAUTICS AND SPACE ADMIN ..	42,212	6,585	18,925	-	9,748	-	6,893	-	-	61
NATIONAL SCIENCE FOUNDATION .....	96,594	-	302	-	85,592	390	10,031	-	-	279
<b>PENNSYLVANIA</b>										
TOTAL .....	1,082,871	294,177	278,870	216,326	226,406	-	60,703	-	-	6,389
DEPARTMENT OF AGRICULTURE .....	24,348	15,423	343	-	8,463	-	69	-	-	50
DEPARTMENT OF COMMERCE 2/ .....	311,214	88,738	39,933	171,180	9,137	-	2,155	-	-	71
DEPARTMENT OF DEFENSE .....	379,620	172,842	124,244	45,146	36,808	-	580	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	184,935	257	1,094	-	128,519	-	53,435	-	-	1,630
DEPARTMENT OF THE INTERIOR .....	29,850	14,754	11,714	-	1,951	-	933	-	-	498
DEPARTMENT OF TRANSPORTATION .....	10,209	899	3,841	-	1,452	-	207	-	-	3,810
ENVIRONMENTAL PROTECTION AGENCY .....	10,723	634	7,476	-	1,637	-	646	-	-	330
NATIONAL AERONAUTICS AND SPACE ADMIN ..	95,589	630	89,534	-	4,955	-	470	-	-	-
NATIONAL SCIENCE FOUNDATION .....	36,383	-	691	-	33,484	-	2,208	-	-	-

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TABLE C-105. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL	EXTRAMURAL					STATE AND LOCAL GOVTS	
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS- TRIAL FIRMS	UNIVER- SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON- PROFIT INSTITU- TIONS		FFRDCS ADMIN BY NON- PROFIT INSTITU- TIONS
<b>EAST NORTH CENTRAL</b>									
TOTAL .....	2,349,311	711,119	667,497	9,271	597,093	251,671	93,213	-	19,447
DEPARTMENT OF AGRICULTURE .....	83,179	48,897	744	-	32,841	-	428	-	269
DEPARTMENT OF COMMERCE 2/ .....	471,641	60,638	94,865	9,271	37,630	250,480	14,778	-	3,979
DEPARTMENT OF DEFENSE .....	923,323	389,886	475,098	-	47,227	39	11,059	-	14
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	377,975	18,198	13,199	-	299,408	542	44,054	-	2,574
DEPARTMENT OF THE INTERIOR .....	25,970	13,950	3,486	-	3,084	410	160	-	4,880
DEPARTMENT OF TRANSPORTATION .....	38,686	10,900	11,184	-	11,876	200	458	-	4,068
ENVIRONMENTAL PROTECTION AGENCY .....	73,044	37,188	15,825	-	10,237	-	6,271	-	3,523
NATIONAL AERONAUTICS AND SPACE ADMIN	225,635	131,455	52,590	-	27,857	-	13,733	-	-
NATIONAL SCIENCE FOUNDATION .....	129,858	7	506	-	126,933	-	2,272	-	140
<b>ILLINOIS</b>									
TOTAL .....	572,603	50,627	47,631	-	179,144	251,671	38,207	-	5,323
DEPARTMENT OF AGRICULTURE .....	29,206	21,565	511	-	7,085	-	25	-	20
DEPARTMENT OF COMMERCE 2/ .....	298,634	7,136	13,971	-	12,064	250,480	13,702	-	1,281
DEPARTMENT OF DEFENSE .....	52,183	15,872	22,681	-	10,782	39	2,809	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	109,034	114	950	-	91,830	542	15,078	-	520
DEPARTMENT OF THE INTERIOR .....	7,062	2,958	1,754	-	988	410	2	-	950
DEPARTMENT OF TRANSPORTATION .....	5,774	326	2,494	-	1,055	200	242	-	1,457
ENVIRONMENTAL PROTECTION AGENCY .....	11,552	1,887	2,756	-	2,945	-	2,869	-	1,095
NATIONAL AERONAUTICS AND SPACE ADMIN	12,384	762	2,514	-	7,275	-	1,833	-	-
NATIONAL SCIENCE FOUNDATION .....	46,774	7	-	-	45,120	-	1,647	-	-
<b>INDIANA</b>									
TOTAL .....	170,137	39,172	53,023	-	75,775	-	1,054	-	1,113
DEPARTMENT OF AGRICULTURE .....	8,047	2,165	50	-	5,805	-	-	-	27
DEPARTMENT OF COMMERCE 2/ .....	8,367	-	922	-	6,762	-	304	-	379
DEPARTMENT OF DEFENSE .....	84,515	33,422	48,471	-	2,609	-	13	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	28,137	-	904	-	26,900	-	333	-	-
DEPARTMENT OF THE INTERIOR .....	2,268	1,550	198	-	330	-	-	-	190
DEPARTMENT OF TRANSPORTATION .....	8,345	618	693	-	6,567	-	-	-	467
ENVIRONMENTAL PROTECTION AGENCY .....	1,293	-	399	-	794	-	50	-	50
NATIONAL AERONAUTICS AND SPACE ADMIN	7,351	1,417	1,386	-	4,194	-	354	-	-
NATIONAL SCIENCE FOUNDATION .....	21,814	-	-	-	21,814	-	-	-	-
<b>MICHIGAN</b>									
TOTAL .....	357,177	50,528	159,285	-	121,090	-	18,814	-	7,460
DEPARTMENT OF AGRICULTURE .....	10,949	4,430	64	-	6,406	-	27	-	22
DEPARTMENT OF COMMERCE 2/ .....	12,582	2,718	1,576	-	6,921	-	429	-	938
DEPARTMENT OF DEFENSE .....	180,282	35,132	135,912	-	6,289	-	2,935	-	14
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	82,331	-	6,800	-	66,101	-	7,867	-	1,563
DEPARTMENT OF THE INTERIOR .....	8,093	4,811	145	-	1,123	-	-	-	2,014
DEPARTMENT OF TRANSPORTATION .....	9,544	83	5,406	-	3,134	-	-	-	921
ENVIRONMENTAL PROTECTION AGENCY .....	13,221	3,244	5,340	-	1,630	-	1,090	-	1,917
NATIONAL AERONAUTICS AND SPACE ADMIN	15,553	110	3,953	-	5,120	-	6,370	-	-
NATIONAL SCIENCE FOUNDATION .....	24,622	-	89	-	24,366	-	96	-	71
<b>OHIO</b>									
TOTAL .....	1,117,179	551,542	401,971	9,271	117,590	-	32,713	-	4,092
DEPARTMENT OF AGRICULTURE .....	10,915	4,329	72	-	6,061	-	298	-	155
DEPARTMENT OF COMMERCE 2/ .....	143,387	50,300	78,396	9,271	3,722	-	343	-	3,355
DEPARTMENT OF DEFENSE .....	599,719	305,252	265,777	-	23,388	-	5,302	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	97,525	18,084	2,396	-	57,903	-	19,041	-	101
DEPARTMENT OF THE INTERIOR .....	5,257	2,513	1,232	-	294	-	158	-	1,060
DEPARTMENT OF TRANSPORTATION .....	14,799	9,873	2,508	-	1,120	-	216	-	1,082
ENVIRONMENTAL PROTECTION AGENCY .....	43,965	32,057	6,830	-	3,078	-	1,661	-	339
NATIONAL AERONAUTICS AND SPACE ADMIN	184,693	129,134	44,423	-	5,960	-	5,176	-	-
NATIONAL SCIENCE FOUNDATION .....	16,919	-	337	-	16,064	-	518	-	-
<b>WISCONSIN</b>									
TOTAL .....	132,215	19,250	5,587	-	103,494	-	2,425	-	1,459
DEPARTMENT OF AGRICULTURE .....	24,062	16,408	47	-	7,484	-	78	-	45
DEPARTMENT OF COMMERCE 2/ .....	8,671	484	-	-	8,161	-	-	-	26
DEPARTMENT OF DEFENSE .....	6,624	208	2,257	-	4,159	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	60,948	-	2,149	-	56,674	-	1,735	-	390
DEPARTMENT OF THE INTERIOR .....	3,290	2,118	157	-	349	-	-	-	666
DEPARTMENT OF TRANSPORTATION .....	224	-	83	-	-	-	-	-	141
ENVIRONMENTAL PROTECTION AGENCY .....	3,013	-	500	-	1,790	-	601	-	122
NATIONAL AERONAUTICS AND SPACE ADMIN	5,654	32	314	-	5,308	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	19,729	-	80	-	19,569	-	11	-	69

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TABLE C-105. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITU-TIONS	FFRDCS ADMIN BY NON-PROFIT INSTITU-TIONS	STATE AND LOCAL GOVTS
<b>WEST NORTH CENTRAL</b>									
TOTAL .....	1,829,644	105,946	1,400,501	-	255,366	15,956	39,225	-	12,650
DEPARTMENT OF AGRICULTURE .....	79,564	47,080	1,105	-	31,042	-	114	-	223
DEPARTMENT OF COMMERCE 2/ .....	52,894	10,649	15,418	-	9,625	15,120	785	-	1,297
DEPARTMENT OF DEFENSE .....	1,393,034	18,290	1,366,465	-	7,460	644	175	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	199,040	147	922	-	160,754	-	35,545	-	1,672
DEPARTMENT OF THE INTERIOR .....	30,906	19,835	2,216	-	4,342	-	83	-	4,430
DEPARTMENT OF TRANSPORTATION .....	7,670	-	2,273	-	476	-	1,242	-	3,679
ENVIRONMENTAL PROTECTION AGENCY .....	11,175	3,524	3,324	-	2,652	-	326	-	1,349
NATIONAL AERONAUTICS AND SPACE ADMIN ..	25,907	6,421	8,554	-	10,740	192	-	-	-
NATIONAL SCIENCE FOUNDATION .....	29,454	-	224	-	28,275	-	955	-	-
<b>IDWA</b>									
TOTAL .....	147,389	12,466	70,982	-	46,367	15,956	611	-	1,007
DEPARTMENT OF AGRICULTURE .....	17,895	11,643	263	-	5,962	-	-	-	27
DEPARTMENT OF COMMERCE 2/ .....	15,636	-	-	-	497	15,120	-	-	19
DEPARTMENT OF DEFENSE .....	71,828	41	69,556	-	1,587	644	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	29,798	-	-	-	29,190	-	541	-	67
DEPARTMENT OF THE INTERIOR .....	1,768	780	122	-	273	-	-	-	593
DEPARTMENT OF TRANSPORTATION .....	706	-	289	-	186	-	-	-	231
ENVIRONMENTAL PROTECTION AGENCY .....	1,336	-	604	-	592	-	70	-	70
NATIONAL AERONAUTICS AND SPACE ADMIN ..	3,967	2	148	-	3,625	192	-	-	-
NATIONAL SCIENCE FOUNDATION .....	4,455	-	-	-	4,455	-	-	-	-
<b>KANSAS</b>									
TOTAL .....	470,990	5,754	436,883	-	25,736	-	1,565	-	1,052
DEPARTMENT OF AGRICULTURE .....	6,415	2,683	72	-	3,560	-	79	-	21
DEPARTMENT OF COMMERCE 2/ .....	3,352	-	1,221	-	2,032	-	80	-	19
DEPARTMENT OF DEFENSE .....	435,567	338	434,519	-	710	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	14,455	-	-	-	13,022	-	1,376	-	57
DEPARTMENT OF THE INTERIOR .....	1,467	488	472	-	160	-	-	-	347
DEPARTMENT OF TRANSPORTATION .....	816	-	297	-	70	-	-	-	449
ENVIRONMENTAL PROTECTION AGENCY .....	283	-	-	-	124	-	-	-	159
NATIONAL AERONAUTICS AND SPACE ADMIN ..	4,831	2,245	302	-	2,284	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	3,804	-	-	-	3,774	-	30	-	-
<b>MINNESOTA</b>									
TOTAL .....	308,983	23,326	187,343	-	74,568	-	21,707	-	2,039
DEPARTMENT OF AGRICULTURE .....	13,463	7,629	85	-	5,684	-	30	-	35
DEPARTMENT OF COMMERCE 2/ .....	17,090	4	13,165	-	3,902	-	-	-	19
DEPARTMENT OF DEFENSE .....	168,416	256	165,873	-	2,287	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	72,261	-	802	-	49,163	-	21,413	-	883
DEPARTMENT OF THE INTERIOR .....	9,751	8,168	922	-	519	-	-	-	142
DEPARTMENT OF TRANSPORTATION .....	1,684	-	1,222	-	157	-	-	-	305
ENVIRONMENTAL PROTECTION AGENCY .....	7,022	3,524	1,430	-	1,157	-	256	-	655
NATIONAL AERONAUTICS AND SPACE ADMIN ..	9,365	3,745	3,620	-	2,000	-	8	-	-
NATIONAL SCIENCE FOUNDATION .....	9,931	-	224	-	9,699	-	-	-	-
<b>MISSOURI</b>									
TOTAL .....	820,378	29,159	692,481	-	81,581	-	11,997	-	5,160
DEPARTMENT OF AGRICULTURE .....	11,168	3,969	76	-	7,083	-	5	-	35
DEPARTMENT OF COMMERCE 2/ .....	3,677	324	1,032	-	1,375	-	27	-	919
DEPARTMENT OF DEFENSE .....	705,060	17,565	684,749	-	2,580	-	166	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	71,364	147	120	-	60,932	-	9,597	-	568
DEPARTMENT OF THE INTERIOR .....	9,100	6,781	348	-	791	-	83	-	1,097
DEPARTMENT OF TRANSPORTATION .....	3,827	-	403	-	63	-	1,242	-	2,119
ENVIRONMENTAL PROTECTION AGENCY .....	2,386	-	1,290	-	674	-	-	-	422
NATIONAL AERONAUTICS AND SPACE ADMIN ..	7,186	373	4,463	-	2,350	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	6,610	-	-	-	5,733	-	877	-	-
<b>NEBRASKA</b>									
TOTAL .....	31,663	9,231	5,029	-	15,287	-	1,233	-	883
DEPARTMENT OF AGRICULTURE .....	12,301	8,791	192	-	3,306	-	-	-	12
DEPARTMENT OF COMMERCE 2/ .....	1,511	-	-	-	814	-	678	-	19
DEPARTMENT OF DEFENSE .....	4,877	1	4,625	-	242	-	9	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	6,860	-	-	-	6,353	-	506	-	1
DEPARTMENT OF THE INTERIOR .....	1,442	439	158	-	281	-	-	-	564
DEPARTMENT OF TRANSPORTATION .....	331	-	44	-	-	-	-	-	287
ENVIRONMENTAL PROTECTION AGENCY .....	-	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN ..	399	-	10	-	389	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	3,942	-	-	-	3,902	-	40	-	-

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TABLE C-105. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITU-TIONS	FFRDCS ADMIN BY NON-PROFIT INSTITU-TIONS	
<b>NORTH DAKOTA</b>									
TOTAL .....	40,057	23,391	7,711	-	7,395	-	-	-	1,560
DEPARTMENT OF AGRICULTURE .....	14,177	10,520	367	-	3,206	-	-	-	84
DEPARTMENT OF COMMERCE 2/ .....	11,327	10,321	-	-	723	-	-	-	283
DEPARTMENT OF DEFENSE .....	7,148	5	7,143	-	-	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	1,573	-	-	-	1,544	-	-	-	29
DEPARTMENT OF THE INTERIOR .....	5,339	2,545	194	-	1,661	-	-	-	939
DEPARTMENT OF TRANSPORTATION .....	189	-	7	-	-	-	-	-	182
ENVIRONMENTAL PROTECTION AGENCY .....	43	-	-	-	-	-	-	-	43
NATIONAL AERONAUTICS AND SPACE ADMIN	13	-	-	-	13	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	248	-	-	-	248	-	-	-	-
<b>SOUTH DAKOTA</b>									
TOTAL .....	10,184	2,619	72	-	4,432	-	2,112	-	949
DEPARTMENT OF AGRICULTURE .....	4,145	1,845	50	-	2,241	-	-	-	9
DEPARTMENT OF COMMERCE 2/ .....	301	-	-	-	282	-	-	-	19
DEPARTMENT OF DEFENSE .....	138	84	-	-	54	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	2,729	-	-	-	550	-	2,112	-	67
DEPARTMENT OF THE INTERIOR .....	2,039	634	-	-	657	-	-	-	748
DEPARTMENT OF TRANSPORTATION .....	117	-	11	-	-	-	-	-	106
ENVIRONMENTAL PROTECTION AGENCY .....	105	-	-	-	105	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN	146	56	11	-	79	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	464	-	-	-	464	-	-	-	-
<b>SOUTH ATLANTIC</b>									
TOTAL .....	7,238,327	3,805,370	2,472,130	63,162	630,931	29,129	192,669	17,082	27,854
DEPARTMENT OF AGRICULTURE .....	242,061	193,669	3,222	-	43,257	-	869	-	1,044
DEPARTMENT OF COMMERCE 2/ .....	555,885	327,499	115,863	36,796	43,114	-	29,018	228	3,367
DEPARTMENT OF DEFENSE .....	3,149,230	1,555,678	1,417,420	-	123,879	14,585	20,761	16,854	53
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	1,300,329	819,695	89,284	26,366	309,201	-	47,911	-	7,872
DEPARTMENT OF THE INTERIOR .....	81,551	63,590	9,752	-	4,124	-	680	-	3,405
DEPARTMENT OF TRANSPORTATION .....	140,811	29,659	82,923	-	3,729	-	16,653	-	7,847
ENVIRONMENTAL PROTECTION AGENCY .....	107,943	75,235	12,435	-	11,286	-	5,650	-	3,337
NATIONAL AERONAUTICS AND SPACE ADMIN	1,456,409	634,611	738,119	-	24,161	-	59,518	-	-
NATIONAL SCIENCE FOUNDATION .....	204,108	105,734	3,112	-	68,180	14,544	11,609	-	929
<b>DELAWARE</b>									
TOTAL .....	25,929	922	15,534	-	8,422	-	499	-	552
DEPARTMENT OF AGRICULTURE .....	2,351	653	19	-	1,673	-	-	-	6
DEPARTMENT OF COMMERCE 2/ .....	2,263	2	150	-	1,672	-	-	-	439
DEPARTMENT OF DEFENSE .....	13,855	80	13,251	-	524	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	1,621	-	-	-	1,421	-	200	-	-
DEPARTMENT OF THE INTERIOR .....	353	183	-	-	122	-	-	-	48
DEPARTMENT OF TRANSPORTATION .....	845	-	826	-	-	-	-	-	19
ENVIRONMENTAL PROTECTION AGENCY .....	500	-	397	-	65	-	-	-	40
NATIONAL AERONAUTICS AND SPACE ADMIN	1,034	4	891	-	125	-	14	-	-
NATIONAL SCIENCE FOUNDATION .....	3,107	-	-	-	2,822	-	285	-	-
<b>DISTRICT OF COLUMBIA</b>									
TOTAL .....	932,283	700,988	53,900	-	47,501	1,242	82,845	-	3,807
DEPARTMENT OF AGRICULTURE .....	85,934	83,640	165	-	1,958	-	153	-	18
DEPARTMENT OF COMMERCE 2/ .....	167,135	118,195	22,318	-	7,697	-	18,725	-	200
DEPARTMENT OF DEFENSE .....	312,988	273,893	29,310	-	5,215	1,242	3,328	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	88,499	35,797	11,480	-	23,874	-	16,454	-	894
DEPARTMENT OF THE INTERIOR .....	12,661	11,027	498	-	165	-	473	-	498
DEPARTMENT OF TRANSPORTATION .....	55,035	21,375	23,947	-	1,629	-	5,942	-	2,142
ENVIRONMENTAL PROTECTION AGENCY .....	16,435	12,863	1,375	-	533	-	1,609	-	55
NATIONAL AERONAUTICS AND SPACE ADMIN	77,632	42,778	5,490	-	3,049	-	26,315	-	-
NATIONAL SCIENCE FOUNDATION .....	115,964	101,420	1,317	-	3,381	-	9,846	-	-
<b>FLORIDA</b>									
TOTAL .....	1,634,032	539,436	1,007,493	-	75,994	-	6,652	-	4,457
DEPARTMENT OF AGRICULTURE .....	18,551	12,387	263	-	5,759	-	-	-	142
DEPARTMENT OF COMMERCE 2/ .....	30,723	15,918	9,276	-	4,999	-	302	-	228
DEPARTMENT OF DEFENSE .....	911,101	305,455	594,131	-	9,167	-	2,305	-	43
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	43,451	-	957	-	37,633	-	3,509	-	1,352
DEPARTMENT OF THE INTERIOR .....	5,409	4,314	20	-	351	-	-	-	724
DEPARTMENT OF TRANSPORTATION .....	6,533	-	5,034	-	312	-	-	-	1,187
ENVIRONMENTAL PROTECTION AGENCY .....	6,469	922	1,450	-	2,917	-	399	-	781
NATIONAL AERONAUTICS AND SPACE ADMIN	599,031	200,440	396,333	-	2,258	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	12,764	-	29	-	12,598	-	137	-	-

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TABLE-C-105. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	INDUSTRIAL FIRMS	EXTRAMURAL					
				FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	STATE AND LOCAL GOVTS
<b>GEORGIA</b>									
TOTAL .....	195,037	58,287	57,775	-	68,043	-	7,347	-	3,585
DEPARTMENT OF AGRICULTURE .....	29,763	22,632	526	-	6,561	-	-	-	44
DEPARTMENT OF COMMERCE 2/ .....	23,961	506	17,924	-	5,456	-	-	-	75
DEPARTMENT OF DEFENSE .....	49,499	6,498	30,128	-	12,873	-	-	-	613
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	54,440	16,254	744	-	29,482	-	7,347	-	376
DEPARTMENT OF THE INTERIOR .....	4,004	2,996	60	-	572	-	-	-	1,251
DEPARTMENT OF TRANSPORTATION .....	2,228	-	560	-	417	-	-	-	552
ENVIRONMENTAL PROTECTION AGENCY .....	8,818	5,963	1,289	-	1,014	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN ..	11,997	3,438	6,544	-	2,015	-	-	-	674
NATIONAL SCIENCE FOUNDATION .....	10,327	-	-	-	9,653	-	-	-	-
<b>MARYLAND</b>									
TOTAL .....	2,783,448	1,805,724	687,989	26,366	217,254	-	39,546	228	6,341
DEPARTMENT OF AGRICULTURE .....	63,638	55,174	1,977	-	5,794	-	517	-	176
DEPARTMENT OF COMMERCE 2/ .....	139,825	106,122	22,339	-	8,533	-	1,289	228	1,314
DEPARTMENT OF DEFENSE .....	1,093,925	694,444	303,531	-	87,454	-	8,496	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	915,566	731,493	56,134	26,366	88,200	-	10,644	-	2,729
DEPARTMENT OF THE INTERIOR .....	13,417	11,956	943	-	318	-	-	-	200
DEPARTMENT OF TRANSPORTATION .....	43,764	5,146	36,059	-	642	-	445	-	1,472
ENVIRONMENTAL PROTECTION AGENCY .....	7,106	1,233	3,660	-	1,216	-	547	-	450
NATIONAL AERONAUTICS AND SPACE ADMIN ..	487,960	199,288	261,992	-	9,885	-	16,795	-	-
NATIONAL SCIENCE FOUNDATION .....	18,247	868	1,354	-	15,212	-	813	-	-
<b>NORTH CAROLINA</b>									
TOTAL .....	259,799	101,136	26,815	-	113,657	-	16,533	-	1,658
DEPARTMENT OF AGRICULTURE .....	17,398	8,466	126	-	8,770	-	-	-	36
DEPARTMENT OF COMMERCE 2/ .....	11,751	3,171	4,325	-	4,144	-	-	-	111
DEPARTMENT OF DEFENSE .....	34,398	11,753	16,971	-	4,127	-	1,537	-	10
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	117,431	26,028	2,850	-	80,530	-	7,729	-	294
DEPARTMENT OF THE INTERIOR .....	3,506	2,266	456	-	457	-	-	-	327
DEPARTMENT OF TRANSPORTATION .....	991	332	177	-	202	-	-	-	280
ENVIRONMENTAL PROTECTION AGENCY .....	56,734	48,752	1,259	-	3,769	-	2,433	-	521
NATIONAL AERONAUTICS AND SPACE ADMIN ..	6,517	319	461	-	1,245	-	4,492	-	-
NATIONAL SCIENCE FOUNDATION .....	11,073	49	190	-	10,413	-	342	-	79
<b>SOUTH CAROLINA</b>									
TOTAL .....	96,109	12,143	14,989	36,796	23,711	-	6,061	-	2,409
DEPARTMENT OF AGRICULTURE .....	10,004	5,781	97	-	4,117	-	-	-	9
DEPARTMENT OF COMMERCE 2/ .....	58,865	2,023	13,219	36,796	1,089	-	5,701	-	37
DEPARTMENT OF DEFENSE .....	3,088	641	1,238	-	1,209	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	13,380	-	-	-	11,327	-	360	-	1,693
DEPARTMENT OF THE INTERIOR .....	2,153	1,436	-	-	395	-	-	-	322
DEPARTMENT OF TRANSPORTATION .....	603	-	308	-	80	-	-	-	215
ENVIRONMENTAL PROTECTION AGENCY .....	2,959	2,189	-	-	637	-	-	-	133
NATIONAL AERONAUTICS AND SPACE ADMIN ..	433	73	100	-	260	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	4,624	-	27	-	4,597	-	-	-	-
<b>VIRGINIA</b>									
TOTAL .....	1,160,516	491,181	540,069	-	63,646	13,497	32,793	16,854	2,476
DEPARTMENT OF AGRICULTURE .....	6,260	412	16	-	5,619	-	195	-	18
DEPARTMENT OF COMMERCE 2/ .....	38,805	4,656	26,309	-	4,637	-	3,001	-	202
DEPARTMENT OF DEFENSE .....	705,905	262,914	404,408	-	3,291	13,343	5,095	16,854	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	52,806	1,076	17,119	-	33,332	-	1,279	-	-
DEPARTMENT OF THE INTERIOR .....	33,944	25,177	7,230	-	851	-	207	-	479
DEPARTMENT OF TRANSPORTATION .....	30,187	2,806	15,990	-	329	-	10,266	-	796
ENVIRONMENTAL PROTECTION AGENCY .....	7,764	2,681	2,544	-	1,072	-	662	-	805
NATIONAL AERONAUTICS AND SPACE ADMIN ..	271,611	188,111	66,287	-	5,311	-	11,902	-	-
NATIONAL SCIENCE FOUNDATION .....	13,234	3,348	166	-	9,204	154	186	-	176
<b>WEST VIRGINIA</b>									
TOTAL .....	151,174	95,553	25,566	-	12,703	14,390	393	-	2,569
DEPARTMENT OF AGRICULTURE .....	8,162	4,524	33	-	3,006	-	4	-	595
DEPARTMENT OF COMMERCE 2/ .....	82,557	76,906	3	-	4,887	-	-	-	761
DEPARTMENT OF DEFENSE .....	24,471	-	24,452	-	19	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	13,135	9,047	-	-	3,402	-	389	-	297
DEPARTMENT OF THE INTERIOR .....	6,104	4,235	545	-	893	-	-	-	431
DEPARTMENT OF TRANSPORTATION .....	625	-	22	-	118	-	-	-	485
ENVIRONMENTAL PROTECTION AGENCY .....	1,158	632	461	-	65	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN ..	194	160	21	-	13	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	14,768	49	29	-	300	14,390	-	-	-

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TABLE C-105. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL	EXTRAMURAL					STATE AND LOCAL GOVTS	
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS		FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS
<b>EAST SOUTH CENTRAL</b>									
TOTAL	1,682,740	504,467	781,949	189,147	158,233	23,854	17,572	-	7,518
DEPARTMENT OF AGRICULTURE	45,737	21,523	493	-	23,522	-	-	-	199
DEPARTMENT OF COMMERCE 2/	619,544	5,559	387,128	186,129	14,807	23,390	319	-	2,212
DEPARTMENT OF DEFENSE	604,251	273,167	320,174	161	10,175	-	574	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	112,995	5,807	363	1,193	89,906	464	14,961	-	301
DEPARTMENT OF THE INTERIOR	11,840	7,561	1,225	-	1,769	-	-	-	1,285
DEPARTMENT OF TRANSPORTATION	5,965	1,609	2,358	-	253	-	-	-	1,745
ENVIRONMENTAL PROTECTION AGENCY	7,315	1,619	2,671	-	1,229	-	20	-	1,776
NATIONAL AERONAUTICS AND SPACE ADMIN	260,774	187,552	67,352	-	4,533	-	1,337	-	-
NATIONAL SCIENCE FOUNDATION	14,319	70	185	1,664	12,039	-	361	-	-
<b>ALABAMA</b>									
TOTAL	572,597	337,786	172,748	-	50,148	-	9,485	-	2,430
DEPARTMENT OF AGRICULTURE	9,059	2,501	46	-	6,374	-	-	-	138
DEPARTMENT OF COMMERCE 2/	13,755	-	11,137	-	1,534	-	-	-	1,084
DEPARTMENT OF DEFENSE	261,837	153,158	105,651	-	2,645	-	383	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	42,835	-	165	-	34,897	-	7,729	-	44
DEPARTMENT OF THE INTERIOR	5,993	4,085	1,220	-	353	-	-	-	335
DEPARTMENT OF TRANSPORTATION	2,589	778	1,138	-	238	-	-	-	435
ENVIRONMENTAL PROTECTION AGENCY	1,370	-	643	-	313	-	20	-	394
NATIONAL AERONAUTICS AND SPACE ADMIN	233,633	177,264	52,748	-	2,343	-	1,278	-	-
NATIONAL SCIENCE FOUNDATION	1,526	-	-	-	1,451	-	75	-	-
<b>KENTUCKY</b>									
TOTAL	101,049	18,407	60,392	-	20,176	-	623	-	1,451
DEPARTMENT OF AGRICULTURE	7,340	1,299	19	-	5,988	-	-	-	34
DEPARTMENT OF COMMERCE 2/	59,551	-	57,656	-	1,776	-	-	-	119
DEPARTMENT OF DEFENSE	12,034	10,414	1,350	-	270	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	15,367	5,736	198	-	8,973	-	460	-	-
DEPARTMENT OF THE INTERIOR	1,908	946	5	-	572	-	-	-	385
DEPARTMENT OF TRANSPORTATION	499	-	29	-	-	-	-	-	470
ENVIRONMENTAL PROTECTION AGENCY	1,540	-	1,097	-	-	-	-	-	443
NATIONAL AERONAUTICS AND SPACE ADMIN	700	12	38	-	650	-	-	-	-
NATIONAL SCIENCE FOUNDATION	2,110	-	-	-	1,947	-	163	-	-
<b>MISSISSIPPI</b>									
TOTAL	125,499	72,610	24,570	-	25,774	-	813	-	1,732
DEPARTMENT OF AGRICULTURE	22,982	16,793	400	-	5,770	-	-	-	19
DEPARTMENT OF COMMERCE 2/	8,224	3,321	3,168	-	1,105	-	-	-	630
DEPARTMENT OF DEFENSE	61,521	46,504	9,549	-	5,277	-	191	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	7,858	-	-	-	7,265	-	563	-	30
DEPARTMENT OF THE INTERIOR	1,406	881	-	-	372	-	-	-	153
DEPARTMENT OF TRANSPORTATION	1,361	831	17	-	-	-	-	-	513
ENVIRONMENTAL PROTECTION AGENCY	832	-	-	-	445	-	-	-	387
NATIONAL AERONAUTICS AND SPACE ADMIN	16,324	4,223	11,418	-	624	-	59	-	-
NATIONAL SCIENCE FOUNDATION	4,991	57	18	-	4,916	-	-	-	-
<b>TENNESSEE</b>									
TOTAL	883,595	75,664	524,239	189,147	62,135	23,854	6,651	-	1,905
DEPARTMENT OF AGRICULTURE	6,356	930	28	-	5,390	-	-	-	8
DEPARTMENT OF COMMERCE 2/	538,014	2,238	315,167	186,129	10,392	23,390	319	-	379
DEPARTMENT OF DEFENSE	268,859	63,091	203,624	161	1,983	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS	46,935	71	-	1,193	38,771	464	6,209	-	227
DEPARTMENT OF THE INTERIOR	2,533	1,649	-	-	472	-	-	-	412
DEPARTMENT OF TRANSPORTATION	1,516	-	1,174	-	15	-	-	-	327
ENVIRONMENTAL PROTECTION AGENCY	3,573	1,619	931	-	471	-	-	-	552
NATIONAL AERONAUTICS AND SPACE ADMIN	10,117	6,053	3,148	-	916	-	-	-	-
NATIONAL SCIENCE FOUNDATION	5,692	13	167	1,664	3,725	-	123	-	-
<b>WEST SOUTH CENTRAL</b>									
TOTAL	1,691,227	346,079	1,014,615	1	282,521	19	32,296	-	15,696
DEPARTMENT OF AGRICULTURE	83,445	54,948	712	-	27,521	-	-	-	264
DEPARTMENT OF COMMERCE 2/	137,487	30,436	70,407	1	31,010	-	2,633	-	3,000
DEPARTMENT OF DEFENSE	461,353	45,536	397,789	-	14,335	-	3,650	-	43
DEPARTMENT OF HEALTH & HUMAN SRVCS	181,475	9,922	1,637	-	157,096	-	11,351	-	1,469
DEPARTMENT OF THE INTERIOR	14,385	6,821	169	-	2,510	19	1,490	-	3,376
DEPARTMENT OF TRANSPORTATION	45,988	3,075	28,801	-	4,965	-	3,698	-	5,449
ENVIRONMENTAL PROTECTION AGENCY	19,837	6,103	5,392	-	4,405	-	1,848	-	2,089
NATIONAL AERONAUTICS AND SPACE ADMIN	717,322	189,238	509,282	-	11,754	-	7,048	-	-
NATIONAL SCIENCE FOUNDATION	29,935	-	426	-	28,925	-	578	-	6

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TABLE C-105. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR: 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL					STATE AND LOCAL GOVTS	
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITU-TIONS		FFRDCS ADMIN BY NON-PROFIT INSTITU-TIONS
<b>ARKANSAS</b>									
TOTAL .....	31,186	14,897	1,892	-	11,459	19	623	-	2,296
DEPARTMENT OF AGRICULTURE .....	6,311	1,604	2	-	4,684	-	-	-	21
DEPARTMENT OF COMMERCE 2/ .....	2,138	-	691	-	516	-	-	-	931
DEPARTMENT OF DEFENSE .....	1,519	18	750	-	751	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	12,999	9,812	-	-	2,175	-	623	-	389
DEPARTMENT OF THE INTERIOR .....	2,140	1,737	24	-	325	19	-	-	35
DEPARTMENT OF TRANSPORTATION .....	1,131	-	307	-	270	-	-	-	554
ENVIRONMENTAL PROTECTION AGENCY .....	804	-	-	-	444	-	-	-	360
NATIONAL AERONAUTICS AND SPACE ADMIN ..	2,054	1,726	118	-	210	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	2,090	-	-	-	2,084	-	-	-	6
<b>LOUISIANA</b>									
TOTAL .....	331,751	36,644	255,623	-	33,621	-	2,263	-	3,600
DEPARTMENT OF AGRICULTURE .....	33,004	28,735	113	-	4,143	-	-	-	13
DEPARTMENT OF COMMERCE 2/ .....	43,323	-	35,618	-	6,717	-	-	-	988
DEPARTMENT OF DEFENSE .....	21,426	3,599	17,364	-	375	-	58	-	30
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	20,858	-	-	-	18,481	-	2,205	-	172
DEPARTMENT OF THE INTERIOR .....	2,035	1,272	63	-	221	-	-	-	479
DEPARTMENT OF TRANSPORTATION .....	3,270	691	1,377	-	-	-	-	-	1,202
ENVIRONMENTAL PROTECTION AGENCY .....	830	-	-	-	114	-	-	-	716
NATIONAL AERONAUTICS AND SPACE ADMIN ..	203,935	2,347	201,088	-	500	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	3,070	-	-	-	3,070	-	-	-	-
<b>OKLAHOMA</b>									
TOTAL .....	82,423	45,652	12,103	-	20,396	-	2,882	-	1,390
DEPARTMENT OF AGRICULTURE .....	8,786	4,847	107	-	3,817	-	-	-	15
DEPARTMENT OF COMMERCE 2/ .....	30,125	27,936	284	-	1,833	-	53	-	19
DEPARTMENT OF DEFENSE .....	5,284	1,850	1,809	-	1,625	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	8,795	-	-	-	6,879	-	1,915	-	1
DEPARTMENT OF THE INTERIOR .....	1,719	641	20	-	681	-	-	-	377
DEPARTMENT OF TRANSPORTATION .....	11,484	1,804	8,930	-	10	-	-	-	740
ENVIRONMENTAL PROTECTION AGENCY .....	8,845	6,103	792	-	1,462	-	250	-	238
NATIONAL AERONAUTICS AND SPACE ADMIN ..	4,894	2,471	83	-	1,944	-	396	-	-
NATIONAL SCIENCE FOUNDATION .....	2,491	-	78	-	2,145	-	268	-	-
<b>TEXAS</b>									
TOTAL .....	1,245,867	248,886	744,997	1	217,045	-	26,528	-	8,410
DEPARTMENT OF AGRICULTURE .....	35,344	19,762	490	-	14,077	-	-	-	215
DEPARTMENT OF COMMERCE 2/ .....	61,901	2,500	33,814	1	21,944	-	2,580	-	1,062
DEPARTMENT OF DEFENSE .....	433,124	40,069	377,866	-	11,584	-	3,592	-	13
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	138,823	110	1,637	-	129,561	-	6,608	-	907
DEPARTMENT OF THE INTERIOR .....	8,491	3,171	62	-	1,283	-	1,490	-	2,485
DEPARTMENT OF TRANSPORTATION .....	30,103	580	18,187	-	4,685	-	3,698	-	2,953
ENVIRONMENTAL PROTECTION AGENCY .....	9,358	-	4,600	-	2,385	-	1,598	-	775
NATIONAL AERONAUTICS AND SPACE ADMIN ..	506,439	182,694	307,993	-	9,100	-	6,652	-	-
NATIONAL SCIENCE FOUNDATION .....	22,284	-	348	-	21,626	-	310	-	-
<b>MOUNTAIN</b>									
TOTAL .....	3,016,436	604,178	1,057,013	497,783	247,660	431,393	35,269	119,881	23,259
DEPARTMENT OF AGRICULTURE .....	66,270	45,160	442	-	20,431	-	86	-	151
DEPARTMENT OF COMMERCE 2/ .....	1,396,811	87,249	273,766	487,897	31,814	376,629	18,308	119,881	1,267
DEPARTMENT OF DEFENSE .....	930,564	297,883	577,662	9,462	35,193	9,121	1,225	-	18
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	114,519	9,176	1,637	366	89,610	-	9,582	-	4,148
DEPARTMENT OF THE INTERIOR .....	101,616	70,618	6,650	58	8,493	976	39	-	14,782
DEPARTMENT OF TRANSPORTATION .....	18,554	5,495	9,775	-	766	-	-	-	2,518
ENVIRONMENTAL PROTECTION AGENCY .....	19,184	5,639	5,270	-	6,310	-	1,590	-	375
NATIONAL AERONAUTICS AND SPACE ADMIN ..	284,115	82,564	181,166	-	17,062	-	3,323	-	-
NATIONAL SCIENCE FOUNDATION .....	84,803	394	645	-	37,981	44,667	1,116	-	-
<b>ARIZONA</b>									
TOTAL .....	367,680	128,982	177,108	-	44,713	11,103	2,664	-	3,110
DEPARTMENT OF AGRICULTURE .....	12,572	9,765	15	-	2,790	-	-	-	2
DEPARTMENT OF COMMERCE 2/ .....	13,475	1	10,884	-	2,158	-	-	-	432
DEPARTMENT OF DEFENSE .....	198,725	41,631	150,921	-	6,078	-	95	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	21,277	2,881	-	-	17,411	-	756	-	229
DEPARTMENT OF THE INTERIOR .....	6,471	3,624	218	-	1,038	-	39	-	1,552
DEPARTMENT OF TRANSPORTATION .....	2,561	-	1,696	-	52	-	-	-	813
ENVIRONMENTAL PROTECTION AGENCY .....	596	-	-	-	514	-	-	-	82
NATIONAL AERONAUTICS AND SPACE ADMIN ..	91,496	71,080	13,374	-	5,515	-	1,527	-	-
NATIONAL SCIENCE FOUNDATION .....	20,507	-	-	-	9,157	11,103	247	-	-

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TABLE C-105. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	
<b>COLORADO</b>									
TOTAL .....	632,817	98,327	286,533	-	78,264	32,337	11,237	119,881	6,238
DEPARTMENT OF AGRICULTURE .....	16,047	11,596	161	-	4,252	-	-	-	38
DEPARTMENT OF COMMERCE 2/ .....	193,545	37,954	22,150	-	11,650	690	1,201	119,881	19
DEPARTMENT OF DEFENSE .....	183,937	2,536	176,543	-	4,717	-	141	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	43,309	115	77	-	33,623	-	6,249	-	3,245
DEPARTMENT OF THE INTERIOR .....	45,850	36,773	4,796	-	1,948	-	-	-	2,333
DEPARTMENT OF TRANSPORTATION .....	13,968	5,174	7,839	-	501	-	-	-	454
ENVIRONMENTAL PROTECTION AGENCY .....	8,915	1,262	3,762	-	2,680	-	1,062	-	149
NATIONAL AERONAUTICS AND SPACE ADMIN ..	81,164	2,733	71,004	-	5,631	-	1,796	-	-
NATIONAL SCIENCE FOUNDATION .....	46,082	184	201	-	13,262	31,647	788	-	-
<b>IDAHO</b>									
TOTAL .....	119,524	9,482	7,769	64,541	5,560	29,588	350	-	2,234
DEPARTMENT OF AGRICULTURE .....	10,269	5,979	85	-	4,172	-	-	-	33
DEPARTMENT OF COMMERCE 2/ .....	102,353	359	7,552	64,483	104	29,588	126	-	141
DEPARTMENT OF DEFENSE .....	-	-	-	-	-	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	677	-	-	-	415	-	224	-	38
DEPARTMENT OF THE INTERIOR .....	5,291	2,967	4	58	421	-	-	-	1,841
DEPARTMENT OF TRANSPORTATION .....	117	-	15	-	-	-	-	-	102
ENVIRONMENTAL PROTECTION AGENCY .....	183	-	-	-	104	-	-	-	79
NATIONAL AERONAUTICS AND SPACE ADMIN ..	340	177	113	-	50	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	294	-	-	-	294	-	-	-	-
<b>MONTANA</b>									
TOTAL .....	45,405	19,738	11,468	-	7,458	-	1,133	-	5,608
DEPARTMENT OF AGRICULTURE .....	10,560	7,919	64	-	2,474	-	86	-	17
DEPARTMENT OF COMMERCE 2/ .....	12,167	-	11,080	-	518	-	550	-	19
DEPARTMENT OF DEFENSE .....	617	51	264	-	302	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	7,729	6,179	-	-	858	-	497	-	195
DEPARTMENT OF THE INTERIOR .....	10,339	4,853	-	-	370	-	-	-	5,116
DEPARTMENT OF TRANSPORTATION .....	254	-	18	-	-	-	-	-	236
ENVIRONMENTAL PROTECTION AGENCY .....	875	-	-	-	850	-	-	-	25
NATIONAL AERONAUTICS AND SPACE ADMIN ..	898	736	12	-	150	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	1,966	-	30	-	1,936	-	-	-	-
<b>NEVADA</b>									
TOTAL .....	262,979	32,481	215,222	-	6,530	-	7,616	-	1,130
DEPARTMENT OF AGRICULTURE .....	1,750	760	16	-	974	-	-	-	-
DEPARTMENT OF COMMERCE 2/ .....	217,795	-	209,208	-	1,532	-	7,036	-	19
DEPARTMENT OF DEFENSE .....	24,526	20,556	3,870	-	100	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	627	-	-	-	575	-	52	-	-
DEPARTMENT OF THE INTERIOR .....	8,287	6,460	107	-	750	-	-	-	970
DEPARTMENT OF TRANSPORTATION .....	164	-	21	-	2	-	-	-	141
ENVIRONMENTAL PROTECTION AGENCY .....	7,428	4,377	1,508	-	1,015	-	528	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN ..	1,183	118	492	-	573	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	1,219	210	-	-	1,009	-	-	-	-
<b>NEW MEXICO</b>									
TOTAL .....	1,224,140	222,961	157,164	433,242	39,169	358,365	11,316	-	1,923
DEPARTMENT OF AGRICULTURE .....	3,388	1,450	27	-	1,910	-	-	-	1
DEPARTMENT OF COMMERCE 2/ .....	798,506	5,887	10,489	423,414	2,591	346,351	9,395	-	379
DEPARTMENT OF DEFENSE .....	371,416	202,844	132,359	9,462	16,623	9,121	989	-	18
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	12,486	1	-	366	11,090	-	932	-	97
DEPARTMENT OF THE INTERIOR .....	8,558	5,045	609	-	650	976	-	-	1,278
DEPARTMENT OF TRANSPORTATION .....	634	321	55	-	148	-	-	-	110
ENVIRONMENTAL PROTECTION AGENCY .....	104	-	-	-	64	-	-	-	40
NATIONAL AERONAUTICS AND SPACE ADMIN ..	23,690	7,413	13,537	-	2,740	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	5,358	-	88	-	3,353	1,917	-	-	-
<b>UTAH</b>									
TOTAL .....	305,657	43,107	201,607	-	57,199	-	953	-	2,791
DEPARTMENT OF AGRICULTURE .....	8,411	5,925	52	-	2,375	-	-	-	59
DEPARTMENT OF COMMERCE 2/ .....	14,736	-	2,403	-	12,094	-	-	-	239
DEPARTMENT OF DEFENSE .....	150,919	30,255	113,608	-	7,056	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	27,841	-	1,560	-	25,065	-	872	-	344
DEPARTMENT OF THE INTERIOR .....	10,711	6,620	916	-	1,483	-	-	-	1,692
DEPARTMENT OF TRANSPORTATION .....	628	-	108	-	63	-	-	-	457
ENVIRONMENTAL PROTECTION AGENCY .....	319	-	-	-	319	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN ..	85,056	307	82,634	-	2,115	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	7,036	-	326	-	6,629	-	81	-	-

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TABLE C-105. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL	EXTRAMURAL						STATE AND LOCAL GOVTS
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITU-TIONS	FFRDCS ADMIN BY NON-PROFIT INSTITU-TIONS	
<b>WYOMING</b>									
TOTAL .....	58,234	49,160	-142	-	8,767	-	-	-	225
DEPARTMENT OF AGRICULTURE .....	3,273	1,766	22	-	1,484	-	-	-	1
DEPARTMENT OF COMMERCE 2/ .....	44,234	43,048	-	-	1,167	-	-	-	19
DEPARTMENT OF DEFENSE .....	424	10	97	-	317	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	573	-	-	-	573	-	-	-	-
DEPARTMENT OF THE INTERIOR .....	6,109	4,276	-	-	1,833	-	-	-	-
DEPARTMENT OF TRANSPORTATION .....	228	-	23	-	-	-	-	-	205
ENVIRONMENTAL PROTECTION AGENCY .....	764	-	-	-	764	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN ..	288	-	-	-	288	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	2,341	-	-	-	2,341	-	-	-	-
<b>PACIFIC</b>									
TOTAL .....	9,220,848	1,147,394	5,921,431	152,154	790,919	707,035	191,977	266,830	43,108
DEPARTMENT OF AGRICULTURE .....	90,922	61,443	1,160	-	27,954	-	76	-	289
DEPARTMENT OF COMMERCE 2/ .....	1,139,869	54,503	250,831	152,154	66,975	543,884	3,645	64,005	3,872
DEPARTMENT OF DEFENSE .....	5,130,963	848,625	3,923,509	-	76,713	35,629	46,374	200,039	74
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	560,227	4,049	19,294	-	385,178	10,772	120,710	1,720	18,504
DEPARTMENT OF THE INTERIOR .....	97,441	62,914	16,884	-	7,746	176	242	308	9,171
DEPARTMENT OF TRANSPORTATION .....	44,423	4,368	29,146	-	2,204	-	-	-	8,705
ENVIRONMENTAL PROTECTION AGENCY .....	29,400	10,340	6,292	-	8,216	-	2,318	-	2,234
NATIONAL AERONAUTICS AND SPACE ADMIN ..	1,939,980	101,152	1,665,725	-	47,321	115,941	9,133	650	58
NATIONAL SCIENCE FOUNDATION .....	187,623	-	8,590	-	168,612	633	9,479	108	201
<b>ALASKA</b>									
TOTAL .....	51,829	25,898	2,158	-	18,747	-	666	-	4,360
DEPARTMENT OF AGRICULTURE .....	5,658	4,183	13	-	1,457	-	-	-	5
DEPARTMENT OF COMMERCE 2/ .....	6,883	3,999	134	-	2,199	-	3	-	548
DEPARTMENT OF DEFENSE .....	12,457	5,882	1,039	-	5,009	-	527	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	1,650	-	-	-	1,439	-	-	-	211
DEPARTMENT OF THE INTERIOR .....	13,987	10,828	-	-	305	-	-	-	2,854
DEPARTMENT OF TRANSPORTATION .....	1,142	177	361	-	109	-	-	-	495
ENVIRONMENTAL PROTECTION AGENCY .....	1,435	750	-	-	424	-	43	-	218
NATIONAL AERONAUTICS AND SPACE ADMIN ..	2,175	79	611	-	1,363	-	93	-	29
NATIONAL SCIENCE FOUNDATION .....	6,442	-	-	-	6,442	-	-	-	-
<b>CALIFORNIA</b>									
TOTAL .....	7,965,966	997,276	5,247,331	28,904	595,545	707,035	157,800	202,904	29,171
DEPARTMENT OF AGRICULTURE .....	48,581	33,280	728	-	14,336	-	62	-	175
DEPARTMENT OF COMMERCE 2/ .....	830,919	8,173	197,879	28,904	45,990	543,884	1,977	1,845	2,267
DEPARTMENT OF DEFENSE .....	4,489,872	816,856	3,332,522	-	59,697	35,629	45,567	199,527	74
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	436,557	2,556	17,654	-	297,733	10,772	90,922	899	16,021
DEPARTMENT OF THE INTERIOR .....	51,438	28,874	14,647	-	4,579	176	242	50	2,870
DEPARTMENT OF TRANSPORTATION .....	34,556	4,048	23,236	-	1,363	-	-	-	5,909
ENVIRONMENTAL PROTECTION AGENCY .....	17,080	3,071	5,242	-	5,255	-	1,828	-	1,684
NATIONAL AERONAUTICS AND SPACE ADMIN ..	1,911,438	100,418	1,647,366	-	38,150	115,941	9,034	500	29
NATIONAL SCIENCE FOUNDATION .....	145,525	-	8,057	-	128,442	633	8,168	83	142
<b>HAWAII</b>									
TOTAL .....	49,897	13,738	8,243	-	23,746	-	3,423	-	747
DEPARTMENT OF AGRICULTURE .....	4,021	1,850	136	-	1,971	-	-	-	64
DEPARTMENT OF COMMERCE 2/ .....	6,318	1,876	877	-	3,531	-	8	-	26
DEPARTMENT OF DEFENSE .....	16,354	7,210	7,127	-	1,863	-	154	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	10,326	129	-	-	7,672	-	2,418	-	107
DEPARTMENT OF THE INTERIOR .....	3,394	2,417	-	-	599	-	-	-	378
DEPARTMENT OF TRANSPORTATION .....	338	143	23	-	-	-	-	-	172
ENVIRONMENTAL PROTECTION AGENCY .....	267	-	-	-	267	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN ..	3,531	113	50	-	3,368	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	5,348	-	30	-	4,475	-	843	-	-
<b>OREGON</b>									
TOTAL .....	105,620	32,040	13,579	-	48,271	-	8,367	-	3,363
DEPARTMENT OF AGRICULTURE .....	18,758	13,389	75	-	5,265	-	7	-	22
DEPARTMENT OF COMMERCE 2/ .....	13,541	922	8,297	-	3,939	-	10	-	373
DEPARTMENT OF DEFENSE .....	5,870	1,530	350	-	3,990	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	28,430	-	13	-	20,313	-	8,000	-	104
DEPARTMENT OF THE INTERIOR .....	15,390	10,823	1,472	-	1,124	-	-	-	1,971
DEPARTMENT OF TRANSPORTATION .....	1,419	-	434	-	119	-	-	-	866
ENVIRONMENTAL PROTECTION AGENCY .....	6,902	5,364	-	-	1,245	-	266	-	27
NATIONAL AERONAUTICS AND SPACE ADMIN ..	3,955	12	2,728	-	1,215	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	11,355	-	210	-	11,061	-	84	-	-

CONTINUED ON NEXT PAGE

TABLE C-105. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION, STATE, AGENCY, AND PERFORMER: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

- CONTINUED

GEOGRAPHIC DIVISION, STATE, AND AGENCY	TOTAL	FEDERAL INTRAMURAL 1/	EXTRAMURAL						STATE AND LOCAL GOVTS
			INDUSTRIAL FIRMS	FFRDCS ADMIN BY INDUSTRIAL FIRMS	UNIVERSITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NON-PROFIT INSTITUTIONS	FFRDCS ADMIN BY NON-PROFIT INSTITUTIONS	
<b>WASHINGTON</b>									
TOTAL .....	1,047,536	78,442	650,120	123,250	104,610	-	21,721	63,926	5,467
DEPARTMENT OF AGRICULTURE .....	13,904	8,741	208	-	4,925	-	7	-	23
DEPARTMENT OF COMMERCE 2/ .....	282,208	39,533	43,644	123,250	11,316	-	1,647	62,160	658
DEPARTMENT OF DEFENSE .....	606,410	17,147	582,471	-	6,154	-	126	512	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	83,264	1,364	1,627	-	58,021	-	19,370	821	2,061
DEPARTMENT OF THE INTERIOR .....	13,232	9,972	765	-	1,139	-	-	258	1,098
DEPARTMENT OF TRANSPORTATION .....	6,968	-	5,092	-	613	-	-	-	1,263
ENVIRONMENTAL PROTECTION AGENCY .....	3,716	1,155	1,050	-	1,025	-	181	-	305
NATIONAL AERONAUTICS AND SPACE ADMIN ..	18,881	530	14,970	-	3,225	-	6	150	-
NATIONAL SCIENCE FOUNDATION .....	18,953	-	293	-	18,192	-	384	25	59
<b>OUTLYING AREAS</b>									
TOTAL .....	38,885	14,301	5,808	-	12,509	5,407	12	-	848
DEPARTMENT OF AGRICULTURE .....	6,533	1,826	35	-	4,637	-	-	-	35
DEPARTMENT OF COMMERCE 2/ .....	3,403	143	9	-	2,799	-	4	-	448
DEPARTMENT OF DEFENSE .....	14,372	8,218	5,674	-	480	-	-	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	4,296	477	-	-	3,454	-	-	-	365
DEPARTMENT OF THE INTERIOR .....	3,913	3,539	-	-	366	-	8	-	-
DEPARTMENT OF TRANSPORTATION .....	90	-	90	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	-	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN ..	356	98	-	-	258	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	5,922	-	-	-	515	5,407	-	-	-
<b>OFFICES ABROAD</b>									
TOTAL .....	47,155	14,760	24,694	-	2,134	5,528	39	-	-
DEPARTMENT OF AGRICULTURE .....	1,796	1,015	2	-	779	-	-	-	-
DEPARTMENT OF COMMERCE 2/ .....	352	-	352	-	-	-	-	-	-
DEPARTMENT OF DEFENSE .....	38,567	13,745	23,428	-	1,355	-	39	-	-
DEPARTMENT OF HEALTH & HUMAN SRVCS ..	-	-	-	-	-	-	-	-	-
DEPARTMENT OF THE INTERIOR .....	-	-	-	-	-	-	-	-	-
DEPARTMENT OF TRANSPORTATION .....	1	-	1	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	-	-	-	-	-	-	-	-	-
NATIONAL AERONAUTICS AND SPACE ADMIN ..	911	-	911	-	-	-	-	-	-
NATIONAL SCIENCE FOUNDATION .....	5,528	-	-	-	-	5,528	-	-	-

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE. SEE TECHNICAL NOTES FOR FURTHER DESCRIPTION.

2. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

NOTE: THE OBLIGATIONS OF THE NINE MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 96 PERCENT OF TOTAL FEDERAL R&D OBLIGATIONS IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-106. FEDERAL OBLIGATIONS FOR R&D PLANT, BY GEOGRAPHIC DIVISION, STATE, AND PERFORMER SUPPORTED: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION AND STATE	TOTAL	FEDERAL INTRAMURAL	EXTRAMURAL						STATE AND LOCAL GOVTS
			INDUS-TRIAL FIRMS	FFRDCS ADMIN BY INDUS-TRIAL FIRMS	UNIVER-SITIES AND COLLEGES	FFRDCS ADMIN BY UNIVS AND COLLEGES	OTHER NONPROFIT INSTITU-TIONS	FFRDCS ADMIN BY NONPROFIT INSTITU-TIONS	
TOTAL.....	1,454,428	452,313	300,980	241,192	36,793	369,315	39,229	14,606	-
NEW ENGLAND.....	54,206	39,199	55	7,196	7,708	48	-	-	-
CONNECTICUT.....	9,201	1,378	20	7,196	607	-	-	-	-
MAINE.....	13	13	-	-	-	-	-	-	-
MASSACHUSETTS.....	35,678	28,778	26	-	6,826	48	-	-	-
NEW HAMPSHIRE.....	7,686	7,677	9	-	-	-	-	-	-
RHODE ISLAND.....	1,614	1,339	-	-	275	-	-	-	-
VERMONT.....	14	14	-	-	-	-	-	-	-
MIDDLE ATLANTIC.....	236,107	25,275	66,500	45,864	6,282	90,363	1,823	-	-
NEW JERSEY.....	55,741	9,670	3,557	-	60	40,631	1,823	-	-
NEW YORK.....	85,120	9,118	150	21,479	4,641	49,732	-	-	-
PENNSYLVANIA.....	95,246	6,487	62,793	24,385	1,581	-	-	-	-
EAST NORTH CENTRAL.....	152,643	43,499	40,739	4,402	10,975	53,028	-	-	-
ILLINOIS.....	74,071	1,102	19,160	-	781	53,028	-	-	-
INDIANA.....	931	66	-	-	865	-	-	-	-
MICHIGAN.....	9,460	192	1,000	-	8,268	-	-	-	-
OHIO.....	65,209	40,228	20,579	4,402	-	-	-	-	-
WISCONSIN.....	2,972	1,911	-	-	1,061	-	-	-	-
WEST NORTH CENTRAL.....	7,133	3,920	1,616	-	50	1,547	-	-	-
IDHA.....	2,063	466	-	-	50	1,547	-	-	-
KANSAS.....	98	98	-	-	-	-	-	-	-
MINNESOTA.....	534	534	-	-	-	-	-	-	-
MISSOURI.....	1,782	166	1,616	-	-	-	-	-	-
NEBRASKA.....	585	585	-	-	-	-	-	-	-
NORTH DAKOTA.....	1,355	1,355	-	-	-	-	-	-	-
SOUTH DAKOTA.....	716	716	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	170,262	138,874	12,270	4,321	2,882	400	11,515	-	-
DELAWARE.....	1,592	860	581	-	151	-	-	-	-
DISTRICT OF COLUMBIA...	31,653	29,538	-	-	2,115	-	-	-	-
FLORIDA.....	25,474	24,524	950	-	-	-	-	-	-
GEORGIA.....	1,580	574	-	543	463	-	-	-	-
MARYLAND.....	52,323	47,403	4,770	-	150	-	-	-	-
NORTH CAROLINA.....	1,161	761	400	-	-	-	-	-	-
SOUTH CAROLINA.....	18,824	134	3,397	3,778	-	-	11,515	-	-
VIRGINIA.....	33,937	31,762	2,172	-	3	-	-	-	-
WEST VIRGINIA.....	3,718	3,318	-	-	-	400	-	-	-
EAST SOUTH CENTRAL.....	109,648	18,834	44,131	46,123	-	560	-	-	-
ALABAMA.....	16,481	6,481	10,000	-	-	-	-	-	-
KENTUCKY.....	4,269	18	4,251	-	-	-	-	-	-
MISSISSIPPI.....	3,394	3,394	-	-	-	-	-	-	-
TENNESSEE.....	85,504	8,941	29,880	46,123	-	560	-	-	-
WEST SOUTH CENTRAL.....	31,349	28,607	2,336	-	377	-	29	-	-
ARKANSAS.....	722	722	-	-	-	-	-	-	-
LOUISIANA.....	14,053	14,053	-	-	-	-	-	-	-
OKLAHOMA.....	2,668	2,668	-	-	-	-	-	-	-
TEXAS.....	13,906	11,164	2,336	-	377	-	29	-	-
MOUNTAIN.....	244,927	33,272	66,162	53,977	1,237	58,517	25,842	5,920	-
ARIZONA.....	381	248	100	-	33	-	-	5,920	-
COLORADO.....	26,874	19,558	1,246	-	150	-	-	-	-
IDAHO.....	11,916	248	4,265	3,189	-	4,164	50	-	-
MONTANA.....	95	95	-	-	-	-	-	-	-
NEVADA.....	82,904	34	44,993	37,877	-	-	-	-	-
NEW MEXICO.....	119,252	9,990	15,557	12,911	649	54,353	25,792	-	-
UTAH.....	1,479	1,073	1	-	405	-	-	-	-
WYOMING.....	2,026	2,026	-	-	-	-	-	-	-
PACIFIC.....	446,177	119,161	67,171	79,309	7,262	164,568	20	8,686	-
ALASKA.....	11	11	-	-	-	-	-	-	-
CALIFORNIA.....	355,425	117,964	59,562	8,015	5,296	164,568	20	-	-
HAWAII.....	722	33	689	-	-	-	-	-	-
OREGON.....	1,047	244	-	-	803	-	-	-	-
WASHINGTON.....	88,972	909	6,920	71,294	1,163	-	-	8,686	-
DUTYING AREAS.....	660	356	-	-	20	284	-	-	-
OFFICES ABROAD.....	1,316	1,316	-	-	-	-	-	-	-

NOTE: THE OBLIGATIONS OF THE NINE MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 97 PERCENT OF TOTAL FEDERAL R&D PLANT OBLIGATIONS IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-107. FEDERAL OBLIGATIONS FOR R&amp;D PLANT, BY GEOGRAPHIC DIVISION, STATE, AND AGENCY: FISCAL YEAR 1981

(THOUSANDS OF DOLLARS)

GEOGRAPHIC DIVISION AND STATE	TOTAL	DEPT OF AGRICULTURE	DEPT OF COMMERCE 1/	DEPT OF DEFENSE	DEPT OF HEALTH & HUMAN SERVICES	DEPT OF THE INTERIOR	DEPT OF TRANSPORTATION	ENVIRONMENTAL PROTECTION AGENCY	NATIONAL AERONAUTICS & SPACE ADMIN	NATIONAL SCIENCE FOUNDATION
TOTAL.....	1,454,428	20,750	979,524	277,700	23,711	3,453	18,914	-	115,750	14,626
NEW ENGLAND.....	54,206	80	12,599	41,163	-	-	14	-	-	350
CONNECTICUT.....	9,201	-	7,453	1,398	-	-	-	-	-	350
MAINE.....	13	13	-	-	-	-	-	-	-	-
MASSACHUSETTS.....	35,678	67	4,871	30,740	-	-	-	-	-	-
NEW HAMPSHIRE.....	7,686	-	-	7,686	-	-	-	-	-	-
RHODE ISLAND.....	1,614	-	275	1,339	-	-	-	-	-	-
VERMONT.....	14	-	-	-	-	-	14	-	-	-
MIDDLE ATLANTIC.....	236,107	1,981	211,039	11,199	743	160	9,222	-	-	1,763
NEW JERSEY.....	55,741	6	45,942	764	-	-	9,029	-	-	-
NEW YORK.....	85,120	1,037	73,828	7,749	743	-	-	-	-	1,763
PENNSYLVANIA.....	95,246	938	91,269	2,686	-	160	193	-	-	-
EAST NORTH CENTRAL.....	152,643	2,222	107,774	25,437	318	615	500	-	14,142	1,635
ILLINOIS.....	74,071	489	72,426	430	318	-	-	-	-	408
INDIANA.....	931	65	365	1	-	-	-	-	-	500
MICHIGAN.....	9,460	192	9,268	-	-	-	-	-	-	-
OHIO.....	65,209	180	25,381	25,006	-	-	500	-	14,142	-
WISCONSIN.....	2,972	1,296	334	-	-	615	-	-	-	727
WEST NORTH CENTRAL.....	7,133	3,394	3,659	-	-	80	-	-	-	-
IOWA.....	2,063	466	1,597	-	-	-	-	-	-	-
KANSAS.....	98	98	-	-	-	-	-	-	-	-
MINNESOTA.....	534	534	-	-	-	-	-	-	-	-
MISSOURI.....	1,782	86	1,616	-	-	80	-	-	-	-
NEBRASKA.....	585	585	-	-	-	-	-	-	-	-
NORTH DAKOTA.....	1,355	909	446	-	-	-	-	-	-	-
SOUTH DAKOTA.....	716	716	-	-	-	-	-	-	-	-
SOUTH ATLANTIC.....	170,262	4,798	33,749	52,008	20,984	1,175	581	-	49,298	7,669
DELAWARE.....	1,592	88	772	-	-	-	581	-	-	151
DISTRICT OF COLUMBIA...	31,653	865	2,496	9,133	-	-	-	-	12,041	7,118
FLORIDA.....	25,474	815	950	18,423	-	50	-	-	5,236	-
GEORGIA.....	1,580	469	1,086	-	-	25	-	-	-	-
MARYLAND.....	52,323	2,117	5,138	20,502	20,464	-	-	-	4,102	-
NORTH CAROLINA.....	1,161	241	-	-	520	400	-	-	-	-
SOUTH CAROLINA.....	18,824	134	18,690	-	-	-	-	-	-	-
VIRGINIA.....	33,937	15	2,053	3,950	-	-	-	-	27,919	-
WEST VIRGINIA.....	3,718	54	2,564	-	-	700	-	-	-	400
EAST SOUTH CENTRAL.....	109,648	492	90,985	10,551	-	120	-	-	7,500	-
ALABAMA.....	16,481	45	10,000	-	-	120	-	-	6,316	-
KENTUCKY.....	4,269	18	4,251	-	-	-	-	-	-	-
MISSISSIPPI.....	3,394	413	-	1,797	-	-	-	-	1,184	-
TENNESSEE.....	85,504	16	76,734	8,754	-	-	-	-	-	-
WEST SOUTH CENTRAL.....	31,349	2,457	5,047	6,693	700	-	-	-	16,452	-
ARKANSAS.....	722	22	-	-	700	-	-	-	-	-
LOUISIANA.....	14,053	911	-	425	-	-	-	-	12,717	-
OKLAHOMA.....	2,668	363	2,305	-	-	-	-	-	-	-
TEXAS.....	13,906	1,161	2,742	6,268	-	-	-	-	3,735	-
MOUNTAIN.....	244,927	2,487	212,733	25,655	33	979	3,040	-	-	-
ARIZONA.....	381	247	-	101	33	-	-	-	-	-
COLORADO.....	26,874	705	7,387	15,742	-	-	3,040	-	-	-
IDAHO.....	11,916	238	11,678	-	-	-	-	-	-	-
MONTANA.....	95	95	-	-	-	-	-	-	-	-
NEVADA.....	82,904	13	82,880	11	-	-	-	-	-	-
NEW MEXICO.....	119,252	200	108,902	9,800	-	350	-	-	-	-
UTAH.....	1,479	444	405	1	-	629	-	-	-	-
WYOMING.....	2,026	545	1,481	-	-	-	-	-	-	-
PACIFIC.....	446,177	2,483	301,919	103,678	933	324	5,557	-	28,358	2,925
ALASKA.....	11	11	-	-	-	-	-	-	-	-
CALIFORNIA.....	355,425	1,660	214,116	102,989	374	-	5,557	-	28,358	2,371
HAWAII.....	722	33	-	689	-	-	-	-	-	-
OREGON.....	1,047	244	803	-	-	-	-	-	-	-
WASHINGTON.....	88,972	535	87,000	-	559	324	-	-	-	554
OUTLYING AREAS.....	660	356	20	-	-	-	-	-	-	284
OFFICES ABROAD.....	1,316	-	-	1,316	-	-	-	-	-	-

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

NOTE: THE OBLIGATIONS OF THE NINE MAJOR R&D SUPPORTING AGENCIES INCLUDED IN THIS TABLE REPRESENT MORE THAN 97 PERCENT OF TOTAL FEDERAL R&D PLANT OBLIGATIONS IN FY 1981.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-108. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1981			ESTIMATES					
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	1982			1983		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
TOTAL, ALL AGENCIES .....	8,728,751	4,357,810	49.9%	9,645,081	4,391,453	45.5%	10,164,256	4,789,600	47.1%
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	511,360	305,473	59.7	520,650	300,442	57.7	546,988	289,496	52.9
AGRICULTURAL COOPERATIVE SERVICE ...	1,213	762	62.8	908	594	65.4	1,336	991	74.2
AGRICULTURAL MARKETING SERVICE .....	1,097	867	79.0	1,463	1,082	74.0	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	344,179	212,082	61.6	359,926	219,675	61.0	393,822	221,597	56.3
COOPERATIVE STATE RESEARCH SERVICE ..	7,137	7,137	100.0	7,766	7,766	100.0	7,206	7,206	100.0
ECONOMIC RESEARCH SERVICE .....	37,496	26	.1	38,989	28	.1	40,213	28	.1
FOREST SERVICE .....	111,895	78,383	70.1	99,640	62,720	62.9	91,639	50,318	54.9
HUMAN NUTRITION INFORMATION SERVICE	-	-	-	3,300	2,200	66.7	3,100	2,300	74.2
OFF OF INTERNAT'L COOPERATION & DEV	836	594	71.1	906	644	71.1	940	668	71.1
OFFICE OF TRANSPORTATION .....	855	618	72.3	958	610	63.7	938	571	60.9
STATISTICAL REPORTING SERVICE .....	6,652	5,004	75.2	6,794	5,123	75.4	7,794	5,817	74.6
DEPARTMENT OF COMMERCE, TOTAL .....	687,568	225,851	32.8	594,008	223,240	37.6	354,476	148,970	42.0
BUREAU OF THE CENSUS .....	3,750	2,848	75.8	3,743	2,790	74.5	3,912	2,917	74.6
ECONOMIC DEVELOPMENT ADMINISTRATION	2,592	2,197	84.8	2,002	1,657	82.8	-	-	-
ENERGY RESEARCH & TECHNOLOGY	450,813	105,666	23.4	367,899	92,602	25.2	148,397	39,750	26.8
ADMIN 1/ .....	77,610	56,324	72.6	83,716	53,499	63.9	75,519	52,186	69.1
NATIONAL BUREAU OF STANDARDS .....	140,762	49,903	35.5	124,718	63,911	51.2	117,073	47,050	40.2
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	10,934	7,982	73.0	11,286	8,238	73.0	8,881	6,484	73.0
NAT'L TELECOMM & INFORMATION ADMIN	-	-	-	10	10	100.0	-	-	-
OFFICE OF THE SECRETARY .....	1,107	931	84.1	634	533	84.1	694	583	84.0
PATENT AND TRADEMARK OFFICE .....	-	-	-	-	-	-	-	-	-
DEPARTMENT OF DEFENSE, TOTAL .....	4,280,707	1,975,310	46.1	5,285,532	2,033,579	38.5	5,977,731	2,461,773	41.2
DEPARTMENT OF THE ARMY .....	1,202,030	638,061	53.1	1,411,764	668,572	47.4	1,597,627	755,487	47.3
DEPARTMENT OF THE NAVY .....	1,473,465	685,362	46.5	1,507,868	699,898	46.4	1,660,946	772,470	46.5
DEPARTMENT OF THE AIR FORCE .....	1,236,806	473,558	38.6	1,808,145	502,146	27.8	1,900,464	540,731	28.5
DEFENSE AGENCIES .....	328,645	172,279	52.4	512,979	161,713	31.5	766,402	391,710	51.1
DIRECTOR OF TEST & EVALUATION, DEFENSE	37,761	1,050	2.8	44,776	1,250	2.8	52,292	1,375	2.6
DEPT OF HLTH & HUMAN SERVICES, TOTAL	872,268	477,124	54.7	894,775	491,815	55.0	934,912	511,043	54.7
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN	80,242	41,073	51.2	107,029	56,372	52.7	124,211	60,842	49.0
CENTERS FOR DISEASE CONTROL .....	52,777	44,860	85.0	50,553	42,970	85.0	53,982	45,884	85.0
FOOD & DRUG ADMINISTRATION .....	57,857	37,607	65.0	58,800	38,220	65.0	60,000	39,000	65.0
HEALTH CARE FINANCING ADMIN .....	3,185	399	12.5	2,433	292	12.0	2,474	312	12.6
HEALTH RESOURCES ADMINISTRATION .....	88	88	100.0	88	88	100.0	-	-	-
HEALTH SERVICES ADMINISTRATION .....	8,796	7,654	87.0	1,465	1,267	86.5	1,300	1,131	87.0
HUMAN DEVELOPMENT SERVICES .....	5,234	3,189	60.9	4,889	2,846	58.2	4,113	3,307	80.4
NATIONAL INSTITUTES OF HEALTH .....	638,523	324,049	50.7	651,607	334,139	51.3	670,962	344,738	51.4
OFFICE OF ASSIST'T SECY FOR HEALTH	12,440	7,431	59.7	5,349	4,200	78.5	4,673	3,581	76.6
OFFICE OF THE SECRETARY .....	1,920	501	26.1	1,324	344	26.0	1,457	608	41.7
SOCIAL SECURITY ADMINISTRATION .....	11,206	10,273	91.7	11,238	11,077	98.6	11,740	11,640	99.1
DEPT OF HOUSING & URBAN DEVELOPMENT	21,454	10,619	49.5	10,957	5,340	48.7	10,119	5,997	49.4
DEPARTMENT OF THE INTERIOR, TOTAL	273,794	176,812	64.6	257,416	180,739	70.2	245,237	167,171	68.2
BONNEVILLE POWER ADMINISTRATION .....	4,461	2,688	60.3	4,876	2,551	52.3	5,516	3,509	63.6
BUREAU OF LAND MANAGEMENT .....	967	455	47.1	710	495	69.7	2,354	13	.6
BUREAU OF MINES .....	46,995	38,400	81.7	45,810	37,300	81.4	44,446	36,400	81.9
BUREAU OF RECLAMATION .....	8,359	5,095	61.0	5,626	3,997	71.0	7,376	5,165	70.0
GEOLOGICAL SURVEY .....	155,474	79,798	51.3	145,010	85,880	59.6	137,827	79,112	57.4
NATIONAL PARK SERVICE .....	7,160	6,463	90.3	7,790	7,130	91.5	7,503	6,773	90.3
OFFICE OF THE SECRETARY .....	615	586	95.3	54	54	100.0	50	50	100.0
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT	1,563	470	30.1	300	270	90.0	470	423	90.0
OFFICE OF WATER RSCH & TECHNOLOGY	3,000	2,190	73.0	1,960	1,410	71.9	-	-	-
US FISH & WILDLIFE SERVICE .....	45,200	40,667	90.0	46,280	41,652	90.0	39,695	35,726	90.0
DEPARTMENT OF JUSTICE, TOTAL .....	3,653	2,503	68.5	3,895	2,731	70.1	2,736	2,126	77.7
DRUG ENFORCEMENT ADMINISTRATION .....	400	400	100.0	800	800	100.0	600	600	100.0
FEDERAL BUREAU OF INVESTIGATION .....	275	275	100.0	275	275	100.0	275	275	100.0
FEDERAL PRISON SYSTEM .....	907	907	100.0	1,007	1,007	100.0	1,007	1,007	100.0
IMMIGRATION & NATURALIZATION SVC .....	94	94	100.0	94	94	100.0	94	94	100.0
OFFICE OF THE ATTORNEY GENERAL .....	135	135	100.0	5	5	100.0	10	10	100.0
OFF OF JUSTICE ASSIST, RSCH, & STAT	1,842	692	37.6	1,714	550	32.1	750	140	18.7
DEPARTMENT OF LABOR, TOTAL .....	35,307	5,086	14.4	16,064	5,080	31.6	3,674	2,968	80.8
BUREAU OF LABOR STATISTICS .....	251	226	90.0	291	262	90.0	315	284	90.2
EMPLOYMENT STANDARDS ADMINISTRATION	2,720	900	33.1	1,270	800	63.0	1,375	700	50.9
EMPLOYMENT & TRAINING ADMIN .....	30,100	2,081	6.9	12,508	2,023	16.2	-	-	-
LABOR-MANAGEMENT SERVICES ADMIN .....	1,053	696	66.1	606	606	100.0	626	626	100.0
OCCUPATIONAL SAFETY & HEALTH ADMIN	20	20	100.0	400	400	100.0	400	400	100.0
OFFICE OF THE SECRETARY .....	1,100	1,100	100.0	900	900	100.0	900	900	100.0
PENSION BENEFIT GUARANTEE CORPORATION	63	63	100.0	89	89	100.0	58	58	100.0
DEPARTMENT OF STATE, TOTAL .....	1,060	609	57.5	1,049	641	61.1	940	646	68.7
DEPARTMENTAL FUNDS .....	1,060	609	57.5	1,049	641	61.1	940	646	68.7

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TABLE C-108. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH AND DEVELOPMENT TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	ACTUAL, 1981			ESTIMATES					
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	1982			1983		
				TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
DEPARTMENT OF TRANSPORTATION, TOTAL ..	122,355	61,669	50.4	97,615	53,389	54.7	90,531	49,706	54.9
COAST GUARD .....	13,988	3,065	21.9	8,281	1,657	20.0	7,650	1,530	20.0
FEDERAL AVIATION ADMINISTRATION .....	28,636	15,749	55.0	27,205	14,962	55.0	31,500	17,324	55.0
FEDERAL HIGHWAY ADMINISTRATION .....	11,827	8,500	71.9	11,527	8,500	73.7	11,966	8,500	71.0
FEDERAL RAILROAD ADMINISTRATION .....	12,982	6,928	53.4	12,723	7,523	59.1	7,134	3,995	56.0
MARITIME ADMINISTRATION .....	332	290	87.3	450	382	84.9	900	762	84.7
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	10,387	6,194	59.6	8,237	4,893	59.4	8,537	5,026	58.9
OFFICE OF THE SECRETARY .....	6,393	3,033	47.4	3,195	2,365	74.0	3,534	2,324	65.8
RESEARCH & SPECIAL PROGRAMS ADMIN ..	6,633	4,010	60.5	6,917	4,557	65.9	5,965	4,255	71.3
URBAN MASS TRANSPORTATION ADMIN ....	31,177	13,900	44.6	19,080	8,550	44.8	13,345	5,990	44.9
DEPARTMENT OF THE TREASURY, TOTAL ....	5,416	3,551	65.6	7,648	5,663	74.0	8,093	6,185	76.4
BUREAU OF ALCOHOL, TOBACCO, & FIREARMS .....	104	104	100.0	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ...	2,462	847	34.4	2,910	1,556	46.6	2,005	860	42.9
INTERNAL REVENUE SERVICE .....	2,734	2,556	93.5	4,638	4,272	92.1	5,988	5,305	88.6
OFFICE OF PROTECTIVE RESEARCH .....	4	4	100.0	5	5	100.0	-	-	-
UNITED STATES CUSTOMS SERVICE .....	112	40	35.7	95	30	31.6	100	20	20.0
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	2,211	1,224	55.4	1,884	1,099	58.3	1,925	1,175	61.0
APPALACHIAN REGIONAL COMMISSION .....	85	67	78.8	100	70	70.0	-	-	-
COMMUNITY SERVICES ADMINISTRATION ....	1,540	1,540	100.0	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION ...	368	272	73.9	163	121	74.2	357	264	73.9
ENVIRONMENTAL PROTECTION AGENCY .....	152,008	61,516	40.5%	140,189	54,001	38.5%	109,723	42,570	38.8%
FEDERAL COMMUNICATIONS COMMISSION ....	1,142	1,142	100.0	908	908	100.0	604	604	100.0
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	4,387	2,062	47.0	2,664	1,252	47.0	4,519	2,124	47.0
FEDERAL HOME LOAN BANK BOARD .....	949	658	69.3	1,028	644	62.6	1,015	691	63.1
FEDERAL TRADE COMMISSION .....	1,100	825	75.0	1,159	869	75.0	1,300	975	75.0
FOUNDATION FOR EDUCATION ASSISTANCE 2	17,511	13,409	76.6	15,558	12,880	82.8	15,283	12,636	82.7
GENERAL SERVICES ADMINISTRATION .....	459	344	74.9	350	263	75.1	225	169	75.1
INTERNATIONAL COMMUNICATION AGENCY ...	228	165	72.4	140	100	71.4	152	103	67.8
INTERNAT'L DEV COOPERATION AGENCY ....	7,245	6,425	88.7	7,434	6,610	88.9	5,670	4,070	71.8
AGENCY FOR INTERNAT'L DEVELOPMENT ..	7,245	6,425	88.7	7,434	6,610	88.9	5,670	4,070	71.8
INTERNATIONAL TRADE COMMISSION .....	3,397	2,650	78.0	3,639	2,802	77.0	3,994	3,075	77.0
LIBRARY OF CONGRESS .....	4,600	3,110	67.6	4,900	3,405	69.5	4,900	3,405	69.5
NATIONAL AERONAUTICS & SPACE ADMIN ...	1,346,811	792,117	58.8	1,395,735	779,910	55.9	1,421,571	821,465	57.8
NATIONAL SCIENCE FOUNDATION .....	106,472	44,245	41.6	113,378	45,136	39.8	126,380	44,608	35.3
NUCLEAR REGULATORY COMMISSION .....	25,114	12,814	51.0	23,567	13,560	57.5	22,650	13,000	57.4
OFFICE OF PERSONNEL MANAGEMENT .....	5,348	5,348	100.0	5,017	5,017	100.0	4,482	4,482	100.0
SMITHSONIAN INSTITUTION .....	41,159	28,811	70.0	44,353	31,047	70.0	48,931	34,252	70.0
TENNESSEE VALLEY AUTHORITY .....	49,212	39,370	80.0	60,498	48,398	80.0	74,200	59,360	80.0
US ARMS CONTROL & DISARMAMENT AGENCY .	160	60	37.5	30	20	66.7	95	50	52.6
VETERANS ADMINISTRATION .....	142,303	95,029	66.8	132,778	80,682	60.8	140,763	95,441	67.8

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-109. FEDERAL OBLIGATIONS FOR TOTAL BASIC RESEARCH TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS,  
BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1981			ESTIMATES					
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
TOTAL, ALL AGENCIES .....	1,301,827	719,349	55.3%	1,396,174	748,822	53.6%	1,541,576	794,826	51.6%
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	202,175	127,850	63.2	211,976	130,316	61.5	232,745	130,678	56.1
AGRICULTURAL RESEARCH SERVICE .....	163,337	100,638	61.6	171,848	104,887	61.0	193,246	108,879	56.3
COOPERATIVE STATE RESEARCH SERVICE .....	2,943	2,943	100.0	3,175	3,175	100.0	3,079	3,079	100.0
ECONOMIC RESEARCH SERVICE .....	3,416	2	.1	3,564	3	.1	3,591	3	.1
FOREST SERVICE .....	31,649	23,672	74.8	32,473	21,638	66.6	31,909	18,115	56.8
OFF OF INTERNAT'L COOPERATION & DEV .....	368	261	70.9	399	284	71.2	414	294	71.0
OFFICE OF TRANSPORTATION .....	462	334	72.3	517	329	63.6	506	308	60.9
DEPARTMENT OF COMMERCE, TOTAL .....	20,134	12,788	63.5	23,392	12,914	55.2	30,138	15,402	51.1
BUREAU OF THE CENSUS .....	273	226	82.8	251	194	77.3	259	200	77.2
ECONOMIC DEVELOPMENT ADMINISTRATION .....	2	1	50.0	2	1	50.0	-	-	-
ENERGY RESEARCH & TECHNOLOGY ADMIN 1/ .....	5,591	2,104	37.6	7,737	2,900	37.5	13,410	4,270	31.8
NATIONAL BUREAU OF STANDARDS .....	14,268	10,457	73.3	15,402	9,819	63.8	16,469	10,932	66.4
DEPARTMENT OF DEFENSE, TOTAL .....	226,036	132,247	58.5	242,593	134,616	55.5	295,361	160,683	54.4
DEPARTMENT OF THE ARMY .....	89,951	58,363	64.9	96,421	56,471	58.6	103,045	62,394	60.6
DEPARTMENT OF THE NAVY .....	92,047	41,421	45.0	96,778	43,550	45.0	127,003	57,151	45.0
DEPARTMENT OF THE AIR FORCE .....	33,709	25,600	75.9	37,621	27,000	71.8	43,998	26,399	60.0
DEFENSE AGENCIES .....	10,329	6,863	66.4	11,773	7,595	64.5	21,315	14,739	69.1
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	392,956	196,742	50.1	410,906	207,144	50.4	429,403	213,785	49.8
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	49,365	25,988	52.6	62,819	32,370	51.5	71,478	34,133	47.8
HEALTH SERVICES ADMINISTRATION .....	3,800	3,306	87.0	700	609	87.0	700	609	87.0
HUMAN DEVELOPMENT SERVICES .....	46	34	73.9	-	-	-	46	46	100.0
NATIONAL INSTITUTES OF HEALTH .....	335,181	164,755	49.2	345,620	172,810	50.0	355,585	177,792	50.0
OFFICE OF ASST'T SECY FOR HEALTH .....	4,534	2,644	58.3	1,747	1,345	77.0	1,579	1,198	75.9
OFFICE OF THE SECRETARY .....	30	15	50.0	20	10	50.0	15	7	46.7
DEPARTMENT OF THE INTERIOR, TOTAL .....	69,190	42,618	61.6	66,602	44,475	66.8	62,805	40,618	64.7
BONNEVILLE POWER ADMINISTRATION .....	1	1	100.0	1	1	100.0	1	1	100.0
BUREAU OF MINES .....	13,600	11,600	85.3	12,900	11,000	85.3	12,500	10,600	84.8
BUREAU OF RECLAMATION .....	66	45	68.2	206	140	68.0	160	110	68.8
GEOLOGICAL SURVEY .....	50,240	26,376	52.5	49,313	29,637	60.1	46,708	26,810	57.4
OFFICE OF THE SECRETARY .....	615	586	95.3	54	54	100.0	50	50	100.0
OFFICE OF WATER RSCH & TECHNOLOGY .....	1,050	760	72.4	480	360	75.0	-	-	-
US FISH & WILDLIFE SERVICE .....	3,618	3,250	89.8	3,648	3,283	90.0	3,386	3,047	90.0
DEPARTMENT OF JUSTICE, TOTAL .....	353	111	31.4	233	78	33.5	200	20	10.0
OFF OF JUSTICE ASSIST. RSCH, & STAT .....	353	111	31.4	233	78	33.5	200	20	10.0
DEPARTMENT OF LABOR, TOTAL .....	1,750	231	13.2	2,300	415	18.0	-	-	-
EMPLOYMENT & TRAINING ADMIN .....	1,750	231	13.2	2,300	415	18.0	-	-	-
DEPARTMENT OF TRANSPORTATION, TOTAL .....	610	196	32.1	250	142	56.8	200	168	84.0
COAST GUARD .....	260	52	20.0	-	-	-	-	-	-
MARITIME ADMINISTRATION .....	50	44	88.0	50	42	84.0	200	168	84.0
RESEARCH & SPECIAL PROGRAMS ADMIN .....	300	100	33.3	200	100	50.0	-	-	-
DEPARTMENT OF THE TREASURY, TOTAL .....	1,581	1,531	96.8	1,672	1,546	92.5	2,013	1,777	88.3
INTERNAL REVENUE SERVICE .....	1,581	1,531	96.8	1,672	1,546	92.5	2,013	1,777	88.3
OTHER AGENCIES									
CONSUMER PRODUCT SAFETY COMMISSION .....	10	7	70.0	-	-	-	-	-	-
ENVIRONMENTAL PROTECTION AGENCY .....	5,560	3,981	71.6	6,806	4,832	71.0	4,871	3,483	71.5
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	1,267	595	47.0	690	324	47.0	-	-	-
FEDERAL TRADE COMMISSION .....	935	701	75.0	985	739	75.0	1,105	829	75.0
FOUNDATION FOR EDUCATION ASSISTANCE 2/ .....	3,072	2,654	86.4	2,716	2,445	90.0	2,716	2,445	90.0
INTERNATIONAL COMMUNICATION AGENCY .....	8	6	75.0	5	4	80.0	-	-	-
LIBRARY OF CONGRESS .....	200	84	42.0	100	97	97.0	100	97	97.0
NATIONAL AERONAUTICS & SPACE ADMIN .....	216,411	112,791	52.1	256,558	123,412	48.1	291,318	135,747	46.6
NATIONAL SCIENCE FOUNDATION .....	98,620	40,615	41.2	105,837	41,536	39.2	120,070	41,108	34.2
NATIONAL MUSEUM .....	41,159	28,811	70.0	44,353	31,047	70.0	48,931	34,252	70.0
NORTHWESTERN VALLEY AUTHORITY .....	4,800	3,840	80.0	5,200	4,160	80.0	5,700	4,560	80.0
VETERANS ADMINISTRATION .....	15,000	10,950	73.0	13,000	8,580	66.0	13,900	9,174	66.0

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-110. FEDERAL OBLIGATIONS FOR TOTAL APPLIED RESEARCH TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS, BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1981			ESTIMATES					
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	1982			1983		
				TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
TOTAL, ALL AGENCIES .....	2,732,372	1,521,306	55.7%	2,756,146	1,529,804	55.5%	2,861,173	1,608,851	56.2%
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	279,714	159,387	57.0	280,643	153,148	54.6	288,044	144,255	50.1
AGRICULTURAL COOPERATIVE SERVICE .....	1,213	762	62.8	908	594	65.4	1,336	991	74.2
AGRICULTURAL MARKETING SERVICE .....	877	693	79.0	1,177	871	74.0	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	157,939	97,331	61.6	165,216	100,842	61.0	178,276	100,226	56.2
COOPERATIVE STATE RESEARCH SERVICE .....	4,194	4,194	100.0	4,591	4,591	100.0	4,127	4,127	100.0
ECONOMIC RESEARCH SERVICE .....	34,080	24	.1	35,425	25	.1	36,622	25	.1
FOREST SERVICE .....	74,050	50,871	68.7	62,752	38,573	61.5	56,300	30,442	54.1
HUMAN NUTRITION INFORMATION SERVICE OFF OF INTERNAT'L COOPERATION & DEV .....	-	-	-	3,000	2,000	66.7	2,800	2,100	75.0
OFFICE OF TRANSPORTATION .....	401	285	71.1	435	309	71.0	451	321	71.2
STATISTICAL REPORTING SERVICE .....	308	223	72.4	345	220	63.8	338	206	60.9
DEPARTMENT OF COMMERCE, TOTAL .....	6,652	5,004	75.2	6,794	5,123	75.4	7,794	5,817	74.6
BUREAU OF THE CENSUS .....	2,578	2,282	88.5	2,506	1,838	73.3	2,579	1,892	73.4
ECONOMIC DEVELOPMENT ADMINISTRATION ENERGY RESEARCH & TECHNOLOGY ADMIN .....	200	140	70.0	400	280	70.0	-	-	-
NATIONAL BUREAU OF STANDARDS .....	71,212	15,977	22.4	68,014	13,696	20.1	56,622	14,755	26.1
NAT'L OCEANIC & ATMOSPHERIC ADMIN .....	48,656	35,476	72.9	52,472	33,418	63.7	50,845	36,262	71.3
NAT'L TELECOMM & INFORMATION ADMIN .....	112,639	34,059	30.2	97,900	47,027	48.0	85,555	30,370	35.5
OFFICE OF THE SECRETARY .....	9,857	7,196	73.0	10,091	7,366	73.0	7,883	5,755	73.0
DEPARTMENT OF DEFENSE, TOTAL .....	-	-	-	10	10	100.0	-	-	-
DEPARTMENT OF THE ARMY .....	800,980	497,718	62.1	874,873	511,963	58.5	964,894	583,631	60.5
DEPARTMENT OF THE NAVY .....	237,634	145,617	61.3	250,129	154,374	61.7	281,426	169,556	60.2
DEPARTMENT OF THE AIR FORCE .....	282,934	138,638	49.0	291,536	118,353	40.6	323,514	158,522	49.0
DEFENSE AGENCIES .....	154,648	147,406	95.3	142,199	133,871	94.1	170,513	160,282	94.0
DEPT OF HLTH & HUMAN SERVICES, TOTAL .....	125,764	66,057	52.5	191,009	105,365	55.2	189,441	95,271	50.3
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	398,356	227,398	57.1	410,166	236,947	57.8	432,198	249,135	57.6
CENTERS FOR DISEASE CONTROL .....	29,674	14,498	48.9	43,210	23,514	54.4	51,598	26,155	50.7
FOOD & DRUG ADMINISTRATION .....	52,777	44,860	85.0	50,553	42,970	85.0	53,982	45,884	85.0
HEALTH CARE FINANCING ADMIN .....	57,857	37,607	65.0	58,800	38,220	65.0	60,000	39,000	65.0
HEALTH RESOURCES ADMINISTRATION .....	3,185	399	12.5	2,433	292	12.0	2,474	312	12.6
HEALTH SERVICES ADMINISTRATION .....	88	88	100.0	88	88	100.0	-	-	-
HUMAN DEVELOPMENT SERVICES .....	2,178	1,882	86.4	633	547	86.4	600	522	87.0
NATIONAL INSTITUTES OF HEALTH .....	2,484	1,781	71.7	2,373	1,722	72.6	1,879	1,603	85.3
OFFICE OF ASSTY SECY FOR HEALTH .....	230,854	111,835	48.4	236,796	116,030	49.0	246,095	121,587	49.4
OFFICE OF THE SECRETARY .....	6,163	3,689	59.9	2,738	2,153	78.6	2,388	1,831	76.7
SOCIAL SECURITY ADMINISTRATION .....	1,890	486	25.7	1,304	334	25.6	1,442	601	41.7
DEPT OF HOUSING & URBAN DEVELOPMENT .....	11,206	10,273	91.7	11,238	11,077	98.6	11,740	11,640	99.1
DEPARTMENT OF THE INTERIOR, TOTAL .....	15,485	8,671	56.0	6,917	3,940	57.0	6,611	3,769	57.0
BONNEVILLE POWER ADMINISTRATION .....	177,808	111,412	62.7	166,146	115,078	69.3	158,195	105,720	66.8
BUREAU OF LAND MANAGEMENT .....	1,806	313	17.3	2,757	644	23.4	2,277	594	26.1
BUREAU OF MINES .....	770	400	51.9	480	415	86.5	2,024	10	.5
BUREAU OF RECLAMATION .....	24,400	19,600	80.3	25,300	20,200	79.8	24,800	19,900	80.2
GEOLOGICAL SURVEY .....	7,368	4,400	59.7	5,005	3,500	69.9	6,438	4,510	70.1
NATIONAL PARK SERVICE .....	105,224	53,416	50.8	94,687	56,237	59.4	91,119	52,302	57.4
OFF OF SURFACE MINING RECLAMATION & ENFORCEMENT .....	7,160	6,463	90.3	7,790	7,130	91.5	7,503	6,773	90.3
OFFICE OF WATER RSCH & TECHNOLOGY .....	1,563	470	30.1	300	270	90.0	470	423	90.0
US FISH & WILDLIFE SERVICE .....	1,120	800	71.4	680	450	66.2	-	-	-
DEPARTMENT OF JUSTICE, TOTAL .....	28,397	25,550	90.0	29,147	26,232	90.0	23,564	21,208	90.0
DRUG ENFORCEMENT ADMINISTRATION .....	1,118	855	76.5	1,223	854	69.8	1,063	813	76.5
FEDERAL PRISON SYSTEM .....	100	100	100.0	200	200	100.0	200	200	100.0
IMMIGRATION & NATURALIZATION SVC .....	457	457	100.0	457	457	100.0	457	457	100.0
OFFICE OF THE ATTORNEY GENERAL .....	47	47	100.0	47	47	100.0	47	47	100.0
OFF OF JUSTICE ASSIST. RSCH, & STAT .....	100	100	100.0	4	4	100.0	9	9	100.0
DEPARTMENT OF LABOR, TOTAL .....	414	151	36.5	515	146	28.3	350	100	28.6
BUREAU OF LABOR STATISTICS .....	33,160	4,458	13.4	13,618	4,519	33.2	3,616	2,910	80.5
EMPLOYMENT STANDARDS ADMINISTRATION .....	251	226	90.0	291	262	90.0	315	284	90.2
EMPLOYMENT & TRAINING ADMIN .....	2,720	900	33.1	1,270	800	63.0	1,375	700	50.9
LABOR-MANAGEMENT SERVICES ADMIN .....	28,003	1,503	5.4	10,096	1,496	14.8	-	-	-
OCCUPATIONAL SAFETY & HEALTH ADMIN .....	1,053	696	66.1	606	606	100.0	626	626	100.0
OFFICE OF THE SECRETARY .....	20	20	100.0	400	400	100.0	400	400	100.0
PENSION BENEFIT GUARANTEE CORPORATION .....	1,100	1,100	100.0	900	900	100.0	900	900	100.0
DEPARTMENT OF STATE, TOTAL .....	13	13	100.0	55	55	100.0	-	-	-
DEPARTMENTAL FUNDS .....	1,015	603	59.4	1,049	641	61.1	940	646	68.7
DEPARTMENTAL FUNDS .....	1,015	603	59.4	1,049	641	61.1	940	646	68.7

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TABLE C-110. FEDERAL OBLIGATIONS FOR TOTAL APPLIED RESEARCH TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS,  
BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

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AGENCY AND SUBDIVISION	ACTUAL, 1981			ESTIMATES					
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	1982			1983		
				TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
DEPARTMENT OF TRANSPORTATION, TOTAL ..	28,618	14,727	51.5	26,076	13,437	51.5	23,014	12,167	52.9
COAST GUARD .....	5,249	1,312	25.0	4,658	932	20.0	4,169	834	20.0
FEDERAL AVIATION ADMINISTRATION .....	1,804	992	55.0	1,714	942	55.0	1,985	1,091	55.0
FEDERAL HIGHWAY ADMINISTRATION .....	1,224	1,020	83.3	1,200	1,020	85.0	1,248	1,020	81.7
FEDERAL RAILROAD ADMINISTRATION .....	4,774	2,578	54.0	4,758	2,664	56.0	2,652	1,485	56.0
MARITIME ADMINISTRATION .....	200	175	87.5%	200	170	85.0%	500	424	84.8%
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	8,767	5,660	64.6	6,793	4,464	65.7	6,915	4,544	65.7
OFFICE OF THE SECRETARY .....	385	25	6.5	330	25	7.6	330	25	7.6
RESEARCH & SPECIAL PROGRAMS ADMIN ..	3,083	1,465	47.5	2,681	1,420	53.0	2,325	1,354	58.2
URBAN MASS TRANSPORTATION ADMIN .....	3,132	1,500	47.9	3,742	1,800	48.1	2,890	1,390	48.1
DEPARTMENT OF THE TREASURY, TOTAL ....	2,033	1,624	79.9	3,785	3,136	82.9	5,595	4,128	73.8
BUREAU OF ALCOHOL, TOBACCO, & FIREARMS .....	50	50	100.0	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING ...	832	546	65.6	819	410	50.1	1,620	600	37.0
INTERNAL REVENUE SERVICE .....	1,141	1,018	89.2	2,966	2,726	91.9	3,975	3,528	88.8
UNITED STATES CUSTOMS SERVICE .....	10	10	100.0	-	-	-	-	-	-
OTHER AGENCIES									
ADVISORY COMM ON INTERGOV'TL RELATIONS .....	2,211	1,224	55.4	1,884	1,099	58.3	1,925	1,175	61.0
APPALACHIAN REGIONAL COMMISSION .....	10	7	70.0	50	35	70.0	-	-	-
COMMUNITY SERVICES ADMINISTRATION .....	40	40	100.0	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION ..	90	67	74.4	-	-	-	31	23	74.2
ENVIRONMENTAL PROTECTION AGENCY .....	101,876	40,954	40.2	94,489	36,567	38.7	70,200	27,617	39.3
FEDERAL COMMUNICATIONS COMMISSION .....	1,142	1,142	100.0	908	908	100.0	604	604	100.0
FEDERAL EMERGENCY MANAGEMENT AGENCY ..	1,633	768	47.0	1,974	928	47.0	4,519	2,124	47.0
FEDERAL HOME LOAN BANK BOARD .....	949	658	69.3	1,028	644	62.6	1,095	691	63.1
FEDERAL TRADE COMMISSION .....	165	124	75.2	174	130	74.7	195	146	74.9
FOUNDATION FOR EDUCATION ASSISTANCE 2/	4,339	3,415	78.7%	3,956	3,366	85.1%	3,983	3,389	85.1%
GENERAL SERVICES ADMINISTRATION .....	239	179	74.9	70	53	75.7	225	169	75.1
INTERNATIONAL COMMUNICATION AGENCY ...	187	134	71.7	52	39	75.0	150	102	68.0
INTERNAT'L DEV COOPERATION AGENCY .....	5,172	4,625	89.4	5,194	4,570	88.0	4,300	3,150	73.3
AGENCY FOR INTERNAT'L DEVELOPMENT ..	5,172	4,625	89.4	5,194	4,570	88.0	4,300	3,150	73.3
INTERNATIONAL TRADE COMMISSION .....	3,397	2,650	78.0	3,639	2,802	77.0	3,994	3,075	77.0
LIBRARY OF CONGRESS .....	700	416	59.4	600	462	77.0	600	462	77.0
NATIONAL AERONAUTICS & SPACE ADMIN ...	475,577	248,017	52.2	478,552	242,468	50.7	520,261	260,672	50.1
NATIONAL SCIENCE FOUNDATION .....	7,432	3,600	48.4	7,541	3,600	47.7	6,310	3,500	55.5
NUCLEAR REGULATORY COMMISSION .....	25,114	12,814	51.0	23,567	13,560	57.5	22,650	13,000	57.4
OFFICE OF PERSONNEL MANAGEMENT .....	2,488	2,488	100.0	2,182	2,182	100.0	1,729	1,729	100.0
TENNESSEE VALLEY AUTHORITY .....	3,532	2,826	80.0	7,624	6,099	80.0	17,700	14,160	80.0
US ARMS CONTROL & DISARMAMENT AGENCY .	150	50	33.3	20	10	50.0	85	40	47.1
VETERANS ADMINISTRATION .....	112,500	73,125	65.0	106,753	62,984	59.0	112,963	76,815	68.0

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-111. FEDERAL OBLIGATIONS FOR TOTAL DEVELOPMENT TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS,  
BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

AGENCY AND SUBDIVISION	ACTUAL, 1981			ESTIMATES					
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	1982			1983		
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
TOTAL, ALL AGENCIES .....	4,694,552	2,117,155	45.1%	5,492,761	2,112,827	38.5%	5,761,507	2,385,923	41.4%
DEPARTMENTS									
DEPARTMENT OF AGRICULTURE, TOTAL .....	29,471	18,236	61.9	28,031	16,978	60.6	26,199	14,563	55.6
AGRICULTURAL MARKETING SERVICE .....	220	174	79.1	286	211	73.8	-	-	-
AGRICULTURAL RESEARCH SERVICE .....	22,903	14,113	61.6	22,862	13,946	61.0	22,300	12,492	56.0
FOREST SERVICE .....	6,196	3,840	62.0	4,415	2,509	56.8	3,430	1,761	51.3
HUMAN NUTRITION INFORMATION SERVICE OFF OF INTERNAT'L COOPERATION & DEV .....	-	-	-	300	200	66.7	300	200	66.7
OFFICE OF TRANSPORTATION .....	67	48	71.6	72	51	70.8	75	53	70.7
OFFICE OF TRANSPORTATION .....	85	61	71.8	96	61	63.5	94	57	60.6
DEPARTMENT OF COMMERCE, TOTAL .....	422,292	117,933	27.9	339,223	106,691	31.5	120,854	44,534	36.8
BUREAU OF THE CENSUS .....	899	340	37.8	986	758	76.9	1,074	825	76.8
ECONOMIC DEVELOPMENT ADMINISTRATION ENERGY RESEARCH & TECHNOLOGY ADMIN 1 .....	2,390	2,056	86.0	1,600	1,376	86.0	-	-	-
NATIONAL BUREAU OF STANDARDS .....	374,010	87,585	23.4	292,148	76,006	26.0	78,365	20,725	26.4
NAT'L OCEANIC & ATMOSPHERIC ADMIN ..	14,686	10,391	70.8	15,842	10,262	64.8	8,205	4,992	60.8
NAT'L TELECOMM & INFORMATION ADMIN ..	28,123	15,844	56.3	26,818	16,884	63.0	31,518	16,680	52.9
PATENT AND TRADEMARK OFFICE .....	1,077	786	73.0	1,195	872	73.0	998	729	73.0
PATENT AND TRADEMARK OFFICE .....	1,107	931	84.1	634	533	84.1	694	583	84.0
DEPARTMENT OF DEFENSE, TOTAL .....	3,253,691	1,345,345	41.3	4,168,066	1,387,000	33.3	4,717,476	1,717,459	36.4
DEPARTMENT OF THE ARMY .....	874,445	434,081	49.6	1,065,214	457,727	43.0	1,213,156	523,537	43.2
DEPARTMENT OF THE NAVY .....	1,098,484	505,303	46.0	1,119,554	537,995	48.1	1,210,429	556,797	46.0
DEPARTMENT OF THE AIR FORCE .....	1,050,449	305,552	29.1	1,628,325	341,275	21.0	1,685,953	354,050	21.0
DEFENSE AGENCIES .....	192,552	99,359	51.6	310,197	48,753	15.7	555,646	281,700	50.7
DIRECTOR OF TEST & EVALUATION, DEFENSE .....	37,761	1,050	2.8	44,776	1,250	2.8	52,292	1,375	2.6
DEPT OF HLTH & HUMAN SERVICES, TOTAL ..	80,956	52,984	65.4	73,703	47,724	64.8	73,311	48,123	65.6
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	1,203	587	48.8	1,000	488	48.8	1,135	554	48.8
HEALTH SERVICES ADMINISTRATION .....	2,818	2,466	87.5	132	111	84.1	-	-	-
HUMAN DEVELOPMENT SERVICES .....	2,704	1,374	50.8	2,516	1,124	44.7	2,188	1,658	75.8
NATIONAL INSTITUTES OF HEALTH .....	72,488	47,459	65.5	69,191	45,299	65.5	69,282	45,359	65.5
OFFICE OF ASST'T SECY FOR HEALTH ...	1,743	1,098	63.0	864	702	81.3	706	552	78.2
DEPT OF HOUSING & URBAN DEVELOPMENT ..	5,969	1,948	32.6	4,040	1,400	34.7	3,508	1,228	35.0
DEPARTMENT OF THE INTERIOR, TOTAL ....	26,796	22,782	85.0	24,668	21,186	85.9	24,237	20,833	86.0
BONNEVILLE POWER ADMINISTRATION ....	2,654	2,374	89.4	2,118	1,906	90.0	3,238	2,914	90.0
BUREAU OF LAND MANAGEMENT .....	197	55	27.9	230	80	34.8	330	3	0.9
BUREAU OF MINES .....	8,995	7,200	80.0	7,610	6,100	80.2	7,146	5,900	82.6
BUREAU OF RECLAMATION .....	925	650	70.3	415	357	86.0	778	545	70.1
GEOLOGICAL SURVEY .....	10	6	60.0	10	6	60.0	-	-	-
OFFICE OF WATER RSCH & TECHNOLOGY ..	830	630	75.9	800	600	75.0	-	-	-
US FISH & WILDLIFE SERVICE .....	13,185	11,867	90.0	13,485	12,137	90.0	12,745	11,471	90.0
DEPARTMENT OF JUSTICE, TOTAL .....	2,182	1,537	70.4	2,439	1,799	73.8	1,473	1,293	87.8
DRUG ENFORCEMENT ADMINISTRATION ....	300	300	100.0	600	600	100.0	400	400	100.0
FEDERAL BUREAU OF INVESTIGATION ....	275	275	100.0	275	275	100.0	275	275	100.0
FEDERAL PRISON SYSTEM .....	450	450	100.0	550	550	100.0	550	550	100.0
IMMIGRATION & NATURALIZATION SVC ...	47	47	100.0	47	47	100.0	47	47	100.0
OFFICE OF THE ATTORNEY GENERAL .....	35	35	100.0	1	1	100.0	1	1	100.0
OFF OF JUSTICE ASSIST, RSCH, & STAT	1,075	430	40.0	966	326	33.7	200	20	10.0
DEPARTMENT OF LABOR, TOTAL .....	397	397	100.0	146	146	100.0	58	58	100.0
EMPLOYMENT & TRAINING ADMIN .....	347	347	100.0	112	112	100.0	-	-	-
PENSION BENEFIT GUARANTEE CORPORATION .....	50	50	100.0	34	34	100.0	58	58	100.0
DEPARTMENT OF STATE, TOTAL .....	45	6	13.3	-	-	-	-	-	-
DEPARTMENTAL FUNDS .....	45	6	13.3	-	-	-	-	-	-

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TABLE C-111. FEDERAL OBLIGATIONS FOR TOTAL DEVELOPMENT TO INTRAMURAL PERFORMERS FOR PERSONNEL COSTS.  
BY AGENCY: FISCAL YEARS 1981, 1982, AND 1983

(THOUSANDS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	ACTUAL, 1981			ESTIMATES					
	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	1982			1983		
				TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL	TOTAL	PERSONNEL COSTS	PERCENT OF TOTAL
DEPARTMENT OF TRANSPORTATION, TOTAL ..	93,127	46,746	50.2	71,289	39,810	55.8	67,317	37,371	55.5
COAST GUARD .....	8,479	1,701	20.1	3,623	725	20.0	3,481	696	20.0
FEDERAL AVIATION ADMINISTRATION .....	26,832	14,757	55.0	25,491	14,020	55.0	29,515	16,233	55.0
FEDERAL HIGHWAY ADMINISTRATION .....	10,603	7,480	70.5	10,327	7,480	72.4	10,718	7,480	69.8
FEDERAL RAILROAD ADMINISTRATION .....	8,208	4,350	53.0	7,965	4,859	61.0	4,482	2,510	56.0
MARITIME ADMINISTRATION .....	82	71	86.6	200	170	85.0	200	170	85.0
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN ..	1,620	534	33.0	1,444	429	29.7	1,622	482	29.7
OFFICE OF THE SECRETARY .....	6,008	3,008	50.1	2,865	2,340	81.7	3,204	2,299	71.8
RESEARCH & SPECIAL PROGRAMS ADMIN ..	3,250	2,445	75.2	4,036	3,037	75.2	3,640	2,901	79.7
URBAN MASS TRANSPORTATION ADMIN .....	28,045	12,400	44.2	15,338	6,750	44.0	10,455	4,600	44.0
DEPARTMENT OF THE TREASURY, TOTAL .....	1,802	396	22.0	2,191	981	44.8	485	280	57.7
BUREAU OF ALCOHOL, TOBACCO, & FIREARMS .....	54	54	100.0	-	-	-	-	-	-
BUREAU OF ENGRAVING AND PRINTING .....	1,630	301	18.5	2,091	946	45.2	385	260	67.5
INTERNAL REVENUE SERVICE .....	12	7	58.3	-	-	-	-	-	-
OFFICE OF PROTECTIVE RESEARCH .....	4	4	100.0	5	5	100.0	-	-	-
UNITED STATES CUSTOMS SERVICE .....	102	30	29.4	95	30	31.6	100	20	20.0
OTHER AGENCIES									
APPALACHIAN REGIONAL COMMISSION .....	75	60	80.0%	50	35	70.0%	-	-	-
COMMUNITY SERVICES ADMINISTRATION .....	1,500	1,500	100.0	-	-	-	-	-	-
CONSUMER PRODUCT SAFETY COMMISSION .....	268	198	73.9	163	121	74.2	326	241	73.9%
ENVIRONMENTAL PROTECTION AGENCY .....	44,572	16,581	37.2	38,894	12,602	32.4	34,652	11,470	33.1
FEDERAL EMERGENCY MANAGEMENT AGENCY .....	1,487	699	47.0	-	-	-	-	-	-
FOUNDATION FOR EDUCATION ASSISTANCE 2/ ..	10,100	7,340	72.7%	8,886	7,069	79.6%	8,584	6,802	79.2%
GENERAL SERVICES ADMINISTRATION .....	220	165	75.0	280	210	75.0	-	-	-
INTERNATIONAL COMMUNICATION AGENCY .....	33	25	75.8	83	57	68.7	2	1	50.0
INTERNAT'L DEV COOPERATION AGENCY .....	2,073	1,800	86.8	2,240	2,040	91.1	1,370	920	67.2
AGENCY FOR INTERNAT'L DEVELOPMENT ..	2,073	1,800	86.8	2,240	2,040	91.1	1,370	920	67.2
LIBRARY OF CONGRESS .....	3,700	2,610	70.5	4,200	2,846	67.8	4,200	2,846	67.8
NATIONAL AERONAUTICS & SPACE ADMIN .....	654,823	431,309	65.9	660,625	414,030	62.7	609,992	425,046	69.7
NATIONAL SCIENCE FOUNDATION .....	420	30	7.1	-	-	-	-	-	-
OFFICE OF PERSONNEL MANAGEMENT .....	2,860	2,860	100.0	2,835	2,835	100.0	2,753	2,753	100.0
TENNESSEE VALLEY AUTHORITY .....	40,880	32,704	80.0	47,674	38,139	80.0	50,800	40,640	80.0
US ARMS CONTROL & DISARMAMENT AGENCY ..	10	10	100.0	10	10	100.0	10	10	100.0
VETERANS ADMINISTRATION .....	14,803	10,954	74.0	13,025	9,118	70.0	13,900	9,452	68.0

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-112. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL AGENCIES .....	17,488.8	18,297.1	19,550.8	21,020.9	23,379.1	25,678.9	27,842.2	31,881.7	35,785.9	39,316.8	42,381.5
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL .....	357.1	381.5	425.6	468.8	537.8	572.4	630.5	687.6	N/A	N/A	N/A
AGRICULTURAL COOPERATIVE SVC ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.6	N/A	N/A	N/A
ECON, STAT & COOPERATIVES SVC ..	N/A	N/A	N/A	N/A	30.5	32.4	35.6	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC .....	15.2	18.1	22.2	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FARMER COOPERATIVE SVC .....	1.1	1.2	1.2	1.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SVC .....	.7	.6	1.2	2.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SVC ....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31.1	N/A	N/A	N/A
FOREST SERVICE .....	58.3	65.6	72.5	90.3	92.5	86.7	105.7	100.6	N/A	N/A	N/A
SCIENCE & EDUCATION ADMIN .....	N/A	N/A	N/A	N/A	414.7	453.3	487.8	545.8	N/A	N/A	N/A
AGRICULTURAL RESEARCH .....	199.3	210.5	232.8	247.4	294.6	318.4	331.2	371.6	N/A	N/A	N/A
COOPERATIVE RESEARCH .....	82.1	85.2	95.6	104.2	120.2	134.9	156.6	174.2	N/A	N/A	N/A
TECHNICAL INFO SYSTEMS .....		.2	.1	*	-	-	-	-	N/A	N/A	N/A
OTHER AGRICULTURE .....	-	-	-	-	-	-	1.4	8.5	N/A	N/A	N/A
DEPARTMENT OF AGRICULTURE, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	782.5	845.8	859.8
AGRICULTURAL COOPERATIVE SVC ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.3	1.8	1.4
AGRICULTURAL MARKETING SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.2	1.5	-
AGRICULTURAL RESEARCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	425.9	441.9	467.0
COOPERATIVE STATE RSCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	199.0	226.6	228.6
ECONOMIC RESEARCH SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	38.0	39.1	40.3
FOREST SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	101.8	114.9	100.2
STATISTICAL REPORTING SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.5	7.0	8.0
OTHER AGRICULTURE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.7	13.1	14.3
DEPARTMENT OF COMMERCE, TOTAL ...	186.2	188.2	224.6	233.3	238.2	272.7	307.1	360.6	6,472.7	6,526.8	4,997.0
ENERGY RSCH & TECH ADMIN 1 .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6,125.9	6,221.6	4,740.1
NATIONAL BUREAU OF STANDARDS .....	36.8	42.5	47.2	49.1	53.1	59.0	64.8	77.1	84.4	93.5	85.8
NAT'L OCEANIC & ATMOS ADMIN .....	114.4	109.5	127.7	134.5	132.6	164.7	190.1	210.6	209.0	183.5	150.8
OTHER COMMERCE .....	34.9	36.3	49.7	49.8	52.5	48.9	52.2	72.9	53.5	28.1	20.3
DEPARTMENT OF DEFENSE, TOTAL ....	8,597.6	8,979.7	9,363.5	9,445.5	10,308.0	10,935.4	11,733.1	13,706.1	15,993.0	19,079.0	23,042.5
DEPARTMENT OF THE ARMY .....	2,042.4	2,308.6	2,083.0	1,969.6	2,195.0	2,464.3	2,536.2	2,852.9	3,123.7	3,550.3	4,233.8
DEPARTMENT OF THE NAVY .....	2,498.9	2,715.8	3,126.3	3,320.1	3,582.6	3,919.4	3,926.4	4,507.9	4,916.9	5,570.9	6,107.5
DEPARTMENT OF THE AIR FORCE .....	3,588.5	3,442.3	3,567.6	3,625.2	3,902.2	3,969.9	4,428.0	5,323.6	6,756.6	8,405.8	10,684.0
DEFENSE AGENCIES .....	461.3	485.2	556.9	507.5	610.5	555.1	814.2	981.4	1,160.0	1,508.6	1,965.0
DEFENSE CIVIL PREPAREDNESS											
- AGENCY .....	3.0	2.3	3.0	2.2	1.2	2.9	N/A	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION ..	3.4	25.5	26.8	20.9	16.5	23.9	28.3	40.4	35.7	43.4	52.2
DEPARTMENT OF EDUCATION, TOTAL ..	N/A	N/A	N/A	N/A	N/A	N/A	136.5	120.9	N/A	N/A	N/A
DEPARTMENT OF ENERGY, TOTAL .....	N/A	N/A	N/A	N/A	3,593.1	4,413.0	4,956.8	5,660.2	N/A	N/A	N/A
DEPT OF HLTH, EDUC. & WELFARE, TOTAL	1,878.4	1,960.6	2,168.2	2,615.0	2,622.2	3,070.2	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL											
- HLTH ADMIN .....	112.6	127.3	114.1	145.1	167.2	179.9	N/A	N/A	N/A	N/A	N/A
- NAT'L INSTITUTE OF EDUCATION ..	35.8	36.9	82.8	69.8	59.7	74.8	N/A	N/A	N/A	N/A	N/A
- NATIONAL INSTITUTES OF HEALTH ..	1,373.7	1,435.4	1,684.4	2,118.4	2,105.0	2,507.1	N/A	N/A	N/A	N/A	N/A
- OFFICE OF EDUCATION .....	102.2	66.3	53.1	56.8	30.3	25.8	N/A	N/A	N/A	N/A	N/A
- OTHER HEW .....	254.1	234.6	233.8	225.0	260.1	282.6	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	3,172.7	3,554.1	3,997.5	3,992.1	4,087.7
ALCOHOL, DRUG ABUSE & MENTAL											
- HLTH ADMIN .....	N/A	N/A	N/A	N/A	N/A	N/A	184.7	218.1	251.1	263.1	280.6
- NATIONAL INST'TUTES OF HEALTH ..	N/A	N/A	N/A	N/A	N/A	N/A	2,713.4	3,029.3	3,392.2	3,423.9	3,516.3
- OTHER HHS .....	N/A	N/A	N/A	N/A	N/A	N/A	274.5	306.8	354.3	305.0	290.8
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL	47.8	58.4	58.7	60.3	69.0	59.3	74.3	65.8	54.1	39.2	36.5
DEPT OF THE INTERIOR, TOTAL .....	254.1	194.8	266.0	319.7	304.0	339.9	404.3	431.5	436.9	412.1	374.4
BUREAU OF MINES .....	68.6	66.7	82.7	113.7	103.7	104.2	121.4	130.8	109.0	98.0	83.9
GEOLOGICAL SURVEY .....	62.7	68.7	95.2	115.7	112.2	128.7	144.2	145.2	168.2	158.7	149.1
OTHER INTERIOR .....	122.8	59.4	88.1	90.4	88.1	107.0	138.7	155.5	159.7	155.3	141.3
DEPARTMENT OF JUSTICE, TOTAL ....	22.2	40.5	43.8	39.9	33.7	33.5	45.9	45.3	26.1	30.2	29.3
OFF OF JUSTICE ASSIST, RSCH, & STATISTICS	19.9	34.5	39.2	35.2	27.6	27.1	35.5	35.1	19.2	21.5	21.2
OTHER JUSTICE .....	2.3	6.0	4.6	4.7	6.2	6.3	10.4	10.2	6.9	8.7	8.2
DEPARTMENT OF LABOR, TOTAL .....	18.3	22.5	25.4	27.8	28.1	97.6	109.2	137.7	61.6	36.1	9.7
DEPARTMENT OF STATE, TOTAL .....	20.8	24.8	28.6	27.0	44.1	57.5	3.2	2.2	1.8	2.0	1.8
AGENCY FOR INTERNAT'L DEVTNT ..	19.3	23.2	27.4	25.4	41.8	54.6	N/A	N/A	N/A	N/A	N/A
OTHER STATE .....	1.5	1.6	1.2	1.6	2.3	2.8	3.2	2.2	1.8	2.0	1.8

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TABLE C-112. FEDERAL OUTLAYS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1973-83  
(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
DEPT OF TRANSPORTATION, TOTAL ...	337.3	363.7	339.2	335.7	363.5	377.3	372.4	391.0	432.1	346.2	329.7
FEDERAL AVIATION ADMIN .....	88.6	115.8	113.7	114.6	102.8	100.2	111.4	109.7	125.9	103.3	129.7
FEDERAL HIGHWAY ADMIN .....	23.5	33.5	26.8	42.9	53.0	52.9	48.9	53.4	59.1	53.2	50.7
FEDERAL RAILROAD ADMIN .....	41.4	38.3	51.1	48.5	57.3	62.4	58.0	63.5	55.0	30.0	19.5
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	47.6	44.4	36.2	33.8	49.5	68.5	53.6	60.3	60.8	64.2	57.2
URBAN MASS TRANS ADMIN .....	72.2	57.8	60.9	48.2	52.1	52.5	50.5	58.9	61.9	48.9	29.3
OTHER TRANSPORTATION .....	63.9	73.9	50.6	47.7	48.8	40.8	49.9	45.2	69.4	46.6	43.3
DEPT OF THE TREASURY, TOTAL .....	1.0	1.1	1.7	3.8	5.0	9.9	9.6	10.9	10.8	12.5	13.4
OTHER AGENCIES											
ATOMIC ENERGY COMMISSION .....	1,624.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RSCH & DEVELOPMENT ADMIN ..	N/A	1,825.0	2,246.6	2,553.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY ..	147.7	172.2	218.6	265.6	283.0	312.5	388.9	384.7	344.3	334.7	273.9
FOUNDATION FOR EDUCATION ASST 2/ ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	111.8	105.6	104.1
INTERNAT'L DEV COOPERATION AGENCY ..	N/A	N/A	N/A	N/A	N/A	N/A	80.3	114.3	166.1	168.7	195.3
NAT'L AERONAUTICS & SPACE ADMIN ..	3,315.2	3,256.2	3,266.5	3,669.0	3,945.3	3,983.1	4,196.5	4,851.6	5,425.6	5,831.0	6,582.0
NATIONAL SCIENCE FOUNDATION .....	470.9	584.7	600.4	669.1	674.7	738.6	804.6	848.2	905.0	1,027.8	923.0
NUCLEAR REGULATORY COMMISSION ...	N/A	46.1	58.5	76.9	107.8	131.7	145.4	182.8	216.0	213.8	206.5
OFFICE OF ECONOMIC OPPORTUNITY ...	76.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION .....	82.8	85.7	97.0	109.5	112.8	123.9	123.1	138.6	144.3	137.8	147.0
ALL OTHER AGENCIES .....	50.2	111.3	117.9	100.0	109.0	150.5	148.1	187.5	203.7	175.4	168.1

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

\* INDICATES AMOUNT LESS THAN \$50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-113. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL AGENCIES .....	16,850.4	17,592.5	18,721.2	20,220.2	22,578.9	24,571.1	26,639.4	30,400.1	34,179.2	37,621.6	41,173.5
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL .....	348.5	375.6	417.7	460.0	515.3	553.8	608.7	659.8	743.4	806.5	825.9
AGRICULTURAL COOPERATIVE SVC ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.6	N/A	N/A	N/A
ECON, STAT & COOPERATIVES SVC ..	N/A	N/A	N/A	N/A	30.5	32.4	35.6	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC .....	15.2	18.1	22.2	23.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FARMER COOPERATIVE SVC .....	1.1	1.2	1.2	1.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SVC .....	.7	.6	1.2	2.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31.1	N/A	N/A	N/A
FOREST SERVICE .....	54.7	63.3	68.6	86.9	89.0	84.6	102.2	97.0	N/A	N/A	N/A
SCIENCE & EDUCATION ADMIN .....	N/A	N/A	N/A	N/A	395.7	436.8	469.5	521.7	N/A	N/A	N/A
AGRICULTURAL RESEARCH .....	194.7	207.1	228.8	242.0	275.6	301.9	312.9	347.5	N/A	N/A	N/A
COOPERATIVE RESEARCH .....	81.8	85.0	95.5	104.2	120.1	134.9	156.6	174.2	N/A	N/A	N/A
TECHNICAL INFO SYSTEMS .....	.3	.2	.1	*	-	-	-	-	N/A	N/A	N/A
OTHER AGRICULTURE .....	-	-	-	-	-	-	1.4	8.5	N/A	N/A	N/A
DEPARTMENT OF AGRICULTURE, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	743.4	806.5	825.9
AGRICULTURAL COOPERATIVE SVC ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.3	1.8	1.4
AGRICULTURAL MARKETING SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.2	1.5	-
AGRICULTURAL RESEARCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	390.1	405.3	435.8
COOPERATIVE STATE RSCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	199.0	226.6	226.8
ECONOMIC RESEARCH SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	38.0	39.1	40.3
FOREST SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	98.6	112.2	99.2
STATISTICAL REPORTING SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.5	7.0	8.0
OTHER AGRICULTURE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.7	13.1	14.3
DEPARTMENT OF COMMERCE, TOTAL ...	180.4	176.3	214.1	225.5	232.5	269.2	305.2	355.9	5,386.9	5,344.3	4,350.9
ENERGY RSCH & TECH ADMIN 1/.....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5,041.4	5,046.5	4,097.0
NATIONAL BUREAU OF STANDARDS ...	35.6	40.7	45.3	48.0	52.6	58.1	63.4	76.8	83.9	86.1	82.8
NAT'L OCEANIC & ATMOS ADMIN .....	110.9	101.6	119.8	129.4	131.2	162.5	190.1	206.7	208.1	183.5	150.8
OTHER COMMERCE .....	33.9	34.0	49.0	48.1	48.8	48.6	51.7	72.3	53.5	28.1	20.3
DEPARTMENT OF DEFENSE, TOTAL ....	8,440.6	8,814.9	9,210.6	9,301.3	10,182.4	10,622.8	11,497.3	13,501.4	15,754.5	18,830.8	22,722.3
DEPARTMENT OF THE ARMY .....	1,996.4	2,277.2	2,053.1	1,949.0	2,180.2	2,457.5	2,534.1	2,845.3	3,114.8	3,537.0	4,210.0
DEPARTMENT OF THE NAVY .....	2,466.4	2,668.3	3,078.5	3,260.8	3,519.0	3,870.3	3,873.5	4,417.0	4,824.7	5,475.2	5,991.9
DEPARTMENT OF THE AIR FORCE .....	3,533.1	3,374.1	3,513.1	3,568.1	3,862.2	3,719.8	4,263.1	5,220.6	6,626.6	8,275.2	10,510.0
DEFENSE AGENCIES .....	438.3	467.4	536.2	500.3	603.3	548.5	798.3	978.2	1,152.6	1,500.0	1,958.2
DEFENSE CIVIL PREPAREDNESS											
AGENCY .....	3.0	2.3	3.0	2.2	1.2	2.9	N/A	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION ..	3.4	25.5	26.8	20.9	16.5	23.9	28.3	40.4	35.7	43.4	52.2
DEPARTMENT OF EDUCATION, TOTAL ..	N/A	N/A	N/A	N/A	N/A	N/A	136.5	120.9	N/A	N/A	N/A
DEPARTMENT OF ENERGY, TOTAL .....	N/A	N/A	N/A	N/A	3,166.0	3,931.7	4,303.3	4,697.5	N/A	N/A	N/A
DEPT OF HLTH, EDUC, & WELFARE, TOTAL .....	1,815.7	1,927.3	2,082.3	2,562.6	2,576.6	3,002.2	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL											
HLTH ADMIN .....	112.6	127.3	114.1	145.1	167.2	179.9	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION .....	35.8	96.9	82.8	69.8	59.7	74.8	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH ..	1,333.3	1,407.6	1,602.8	2,066.5	2,063.7	2,440.3	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION .....	94.0	62.8	53.1	56.8	30.3	25.8	N/A	N/A	N/A	N/A	N/A
OTHER HEM .....	240.0	232.8	229.5	224.5	255.8	281.4	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	3,099.3	3,477.2	3,954.9	3,958.2	4,052.7
ALCOHOL, DRUG ABUSE & MENTAL											
HLTH ADMIN .....	N/A	N/A	N/A	N/A	N/A	N/A	184.4	217.9	250.9	262.0	276.8
NATIONAL INSTITUTES OF HEALTH ..	N/A	N/A	N/A	N/A	N/A	N/A	2,641.0	2,953.2	3,350.2	3,392.1	3,488.6
OTHER HHS .....	N/A	N/A	N/A	N/A	N/A	N/A	273.9	306.1	353.8	304.0	287.3
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL .....	47.8	58.4	58.7	60.3	69.0	59.3	74.3	65.8	54.1	39.2	36.5
DEPT OF THE INTERIOR, TOTAL .....	237.4	192.8	263.6	319.0	299.5	332.3	395.3	422.7	432.8	410.1	372.8
BUREAU OF MINES .....	68.6	66.7	82.7	113.7	100.7	104.1	117.1	128.4	106.9	97.7	83.6
GEOLOGICAL SURVEY .....	62.1	68.3	95.2	115.7	112.2	128.7	144.2	145.2	168.2	158.7	149.1
OTHER INTERIOR .....	106.8	57.9	85.7	89.6	86.6	99.4	134.0	149.2	157.7	153.6	140.0
DEPARTMENT OF JUSTICE, TOTAL ....	22.2	40.5	43.8	39.9	33.7	33.5	45.9	45.3	26.1	30.2	29.3
OFF OF JUSTICE ASSIST, RSCH, & STATISTICS .....	19.9	34.5	39.2	35.2	27.6	27.1	35.5	35.1	19.2	21.5	21.2
OTHER JUSTICE .....	2.3	6.0	4.6	4.7	6.2	6.3	10.4	10.2	6.9	8.7	8.2
DEPARTMENT OF LABOR, TOTAL .....	18.3	22.5	25.4	27.8	28.1	97.6	109.2	137.7	61.6	36.1	9.7
DEPARTMENT OF STATE, TOTAL .....	20.2	24.5	28.4	25.9	40.1	57.4	3.2	2.2	1.8	2.0	1.8
AGENCY FOR INTERNAT'L DEVHMNT ..	18.7	23.0	27.1	24.3	37.8	54.5	N/A	N/A	N/A	N/A	N/A
OTHER STATE .....	1.5	1.6	1.2	1.6	2.3	2.8	3.2	2.2	1.8	2.0	1.8

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TABLE C-113. FEDERAL OUTLAYS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1973-83  
(MILLIONS OF DOLLARS)

- CONTINUED -

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
DEPT OF TRANSPORTATION, TOTAL ...	312.3	328.4	324.5	323.6	346.0	364.1	356.2	374.7	415.9	326.4	321.6
FEDERAL AVIATION ADMIN .....	88.1	115.2	110.9	112.7	99.8	99.2	101.9	104.2	119.8	99.0	123.5
FEDERAL HIGHWAY ADMIN .....	23.4	33.1	26.4	42.5	52.6	52.5	48.7	53.1	56.3	48.9	50.7
FEDERAL RAILROAD ADMIN .....	31.8	34.4	42.0	40.5	45.6	51.5	51.7	53.2	48.2	19.4	18.2
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	47.6	44.4	36.2	33.8	49.3	68.3	53.4	60.1	60.3	63.6	56.6
URBAN MASS TRANS ADMIN .....	69.0	54.1	59.1	46.9	50.4	52.5	50.5	58.9	61.9	48.9	29.3
OTHER TRANSPORTATION .....	52.4	47.1	50.0	47.2	48.3	40.1	49.9	45.2	69.4	46.6	43.3
DEPT OF THE TREASURY, TOTAL .....	1.0	1.1	1.7	3.7	4.9	9.9	9.5	10.9	10.8	12.4	13.3
OTHER AGENCIES											
ATOMIC ENERGY COMMISSION .....	1,363.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RSCH & DEVELOPMENT ADMIN ..	N/A	1,488.9	1,835.4	2,189.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY ..	144.7	161.3	207.2	259.0	281.3	310.3	386.5	384.7	344.3	334.7	273.9
FOUNDATION FOR EDUCATION ASST 2/ ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	111.8	105.6	104.1
INTERNAT'L DEV COOPERATION AGENCY ..	N/A	N/A	N/A	N/A	N/A	N/A	75.8	107.8	159.9	159.5	183.3
NAT'L AERONAUTICS & SPACE ADMIN ..	3,270.5	3,181.1	3,181.2	3,548.1	3,840.3	3,858.9	4,063.8	4,711.3	5,278.7	5,696.1	6,460.2
NATIONAL SCIENCE FOUNDATION .....	427.8	570.7	571.3	619.0	649.6	700.5	775.2	830.6	892.3	1,018.3	907.8
NUCLEAR REGULATORY COMMISSION ...	N/A	42.3	55.8	73.3	101.7	125.4	137.5	175.4	208.7	207.1	200.7
OFFICE OF ECONOMIC OPPORTUNITY ..	76.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION .....	75.0	80.4	94.8	97.7	106.9	114.3	120.3	134.4	137.8	130.5	140.1
ALL OTHER AGENCIES .....	47.9	105.5	104.7	84.0	104.9	128.1	136.5	183.8	202.9	173.6	166.8

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

\* INDICATES AMOUNT LESS THAN \$50,000.

NOTE: N/A (NOT-APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-114. FEDERAL OUTLAYS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL AGENCIES .....	638.4	704.6	829.7	800.6	800.2	1,107.8	1,202.8	1,481.7	1,606.7	1,695.3	1,207.9
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL .....	8.6	5.9	7.9	8.8	22.5	18.6	21.7	27.7	39.0	39.4	33.9
DEPARTMENT OF COMMERCE, TOTAL 1/	5.8	11.9	10.5	7.8	5.7	3.5	1.9	4.8	1,085.8	1,182.5	646.1
DEPARTMENT OF DEFENSE, TOTAL .....	157.0	164.9	152.9	144.2	125.6	312.6	235.8	204.7	238.5	248.2	320.2
DEPARTMENT OF THE ARMY .....	46.0	31.4	30.0	20.6	14.8	6.8	2.1	7.6	8.9	13.3	23.8
DEPARTMENT OF THE NAVY .....	32.5	47.5	47.8	59.3	63.6	49.1	52.9	90.9	92.2	95.7	115.6
DEPARTMENT OF THE AIR FORCE ...	55.4	68.2	54.5	57.1	40.0	250.1	164.9	103.0	130.0	130.6	174.0
DEFENSE AGENCIES .....	23.0	17.7	20.6	7.2	7.2	6.6	15.9	3.2	7.4	8.6	6.8
DEPARTMENT OF ENERGY, TOTAL .....	N/A	N/A	N/A	N/A	427.1	481.3	653.5	962.8	N/A	N/A	N/A
DEPT OF HLTH, EDUC; & WELFARE, TOTAL .....	62.7	33.3	85.9	52.4	45.6	68.0	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	73.4	76.9	42.6	33.9	35.0
DEPT OF THE INTERIOR, TOTAL .....	16.7	2.0	2.4	.8	4.4	7.7	9.0	8.7	4.1	2.0	1.6
DEPARTMENT OF STATE, TOTAL .....	.6	.2	.3	1.2	4.0	.1	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL ...	25.0	35.4	14.7	12.1	17.5	13.2	16.2	16.3	16.2	19.8	8.1
DEPT OF THE TREASURY, TOTAL .....	*	*	*	.1	.1	*	*	*	.1	.1	.1
OTHER AGENCIES											
ATOMIC ENERGY COMMISSION .....	261.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RSCH & DEVELOPMENT ADMIN	N/A	336.1	411.2	364.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY	3.0	10.9	11.3	6.7	1.6	2.2	2.4	-	-	-	-
INTERNAT'L DEV COOPERATION AGENCY	N/A	N/A	N/A	N/A	N/A	N/A	4.5	6.6	6.2	9.3	12.0
NAT'L AERONAUTICS & SPACE ADMIN	44.7	75.1	85.3	120.9	105.0	124.3	132.7	140.3	146.9	134.9	121.8
NATIONAL SCIENCE FOUNDATION .....	43.1	14.0	29.1	50.1	25.1	38.0	29.4	17.6	12.7	9.5	15.2
NUCLEAR REGULATORY COMMISSION ...	N/A	3.8	2.6	3.5	6.1	6.2	8.0	7.4	7.3	6.6	5.8
VETERANS ADMINISTRATION .....	7.8	5.3	2.2	11.8	5.9	9.7	2.8	4.2	6.5	7.4	6.9
ALL OTHER AGENCIES .....	2.3	5.8	13.2	16.0	4.0	22.3	11.5	3.7	.8	1.8	1.2

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

\* INDICATES AMOUNT LESS THAN \$50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-115. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&D PLANT, BY AGENCY: FISCAL YEARS 1973-83  
(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL AGENCIES .....	17,574.5	18,176.5	19,859.5	21,616.4	25,350.2	27,683.0	30,453.2	33,236.1	36,403.1	40,438.0	44,272.4
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL .....	369.4	387.5	427.9	478.6	559.9	645.9	685.7	744.5	N/A	N/A	N/A
AGRICULTURAL COOPERATIVE SVC ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.6	N/A	N/A	N/A
ECON. STAT & COOPERATIVES SVC ..	N/A	N/A	N/A	N/A	30.5	32.7	35.5	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC .....	16.9	18.1	21.3	24.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FARMER COOPERATIVE SVC .....	1.2	1.4	1.2	1.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SVC .....	.7	.6	1.2	1.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31.1	N/A	N/A	N/A
FOREST SERVICE .....	59.6	69.6	81.5	82.8	92.1	108.3	111.0	115.2	N/A	N/A	N/A
SCIENCE & EDUCATION ADMIN .....	N/A	N/A	N/A	N/A	437.3	505.0	537.5	589.3	N/A	N/A	N/A
AGRICULTURAL RESEARCH .....	201.2	208.3	221.6	255.3	310.1	347.5	365.0	405.0	N/A	N/A	N/A
COOPERATIVE RESEARCH .....	89.4	89.4	101.1	113.4	127.3	157.4	172.6	184.2	N/A	N/A	N/A
TECHNICAL INFO SYSTEMS .....	.3	.1	*	*	-	-	-	-	N/A	N/A	N/A
OTHER AGRICULTURE .....	-	-	-	-	-	-	1.6	7.4	N/A	N/A	N/A
DEPARTMENT OF AGRICULTURE, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	794.7	842.0	869.2
AGRICULTURAL COOPERATIVE SVC ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.7	1.8	1.4
AGRICULTURAL MARKETING SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.1	1.5	-
AGRICULTURAL RESEARCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	411.6	446.2	475.4
COOPERATIVE STATE RSCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	199.4	221.2	232.1
ECONOMIC RESEARCH SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	39.3	39.4	40.6
FOREST SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	129.3	110.8	98.4
STATISTICAL REPORTING SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.5	7.0	8.0
OTHER AGRICULTURE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.7	14.2	13.2
DEPARTMENT OF COMMERCE, TOTAL ...	198.5	192.2	224.9	235.5	251.8	287.7	311.8	347.2	6,225.7	5,848.4	4,871.9
ENERGY RSCH & TECH ADMIN 1/.....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5,896.4	5,558.6	4,634.0
NATIONAL BUREAU OF STANDARDS ..	38.9	41.1	44.6	47.9	53.9	59.1	69.3	76.4	83.0	99.3	83.5
NAT'L OCEANIC & ATMOS ADMIN ...	119.3	117.0	135.1	139.1	147.2	163.7	171.2	203.6	202.2	166.3	140.8
OTHER COMMERCE .....	40.2	34.1	45.3	48.5	50.7	64.9	71.3	67.1	44.1	24.2	13.6
DEPARTMENT OF DEFENSE, TOTAL ....	8,550.6	8,589.5	9,179.6	9,798.1	11,409.0	11,786.2	12,776.4	14,189.2	16,786.3	20,887.5	24,885.5
DEPARTMENT OF THE ARMY .....	2,030.7	2,042.0	1,920.7	2,026.0	2,458.2	2,556.5	2,772.5	2,993.8	3,257.0	3,730.0	4,627.2
DEPARTMENT OF THE NAVY .....	2,690.5	2,772.6	3,162.8	3,373.8	3,878.6	4,046.7	4,403.1	4,789.3	5,103.9	5,930.7	6,378.6
DEPARTMENT OF THE AIR FORCE ...	3,344.1	3,283.9	3,573.1	3,799.6	4,381.1	4,422.4	4,693.1	5,319.0	7,128.8	9,494.1	11,604.0
DEFENSE AGENCIES .....	457.1	464.1	497.4	573.9	659.5	724.5	878.4	1,049.2	1,255.6	1,681.8	2,217.3
DEFENSE CIVIL PREPAREDNESS											
AGENCY .....	3.2	2.7	1.7	.7	1.3	7.5	N/A	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION ..	25.1	24.2	23.2	24.1	30.2	28.6	29.3	37.9	41.1	50.9	58.4
DEPARTMENT OF EDUCATION, TOTAL ..	N/A	N/A	N/A	N/A	N/A	N/A	166.3	139.4	N/A	N/A	N/A
DEPARTMENT OF ENERGY, TOTAL .....	N/A	N/A	N/A	N/A	4,097.2	4,935.5	5,483.2	5,777.8	N/A	N/A	N/A
DEPT OF HLTH, EDUC. & WELFARE, TOTAL	1,879.1	2,331.0	2,436.5	2,616.7	2,955.9	3,281.5	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL											
HLTH ADMIN .....	122.2	155.6	139.4	139.5	153.0	180.2	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION ..	106.8	75.7	69.9	63.7	64.9	89.5	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH ..	1,355.5	1,777.3	1,918.2	2,092.5	2,411.7	2,654.2	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION .....	58.3	51.5	45.9	58.2	31.1	32.9	N/A	N/A	N/A	N/A	N/A
OTHER HEW .....	236.4	270.9	263.1	262.8	295.3	324.7	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	3,558.4	3,810.8	3,950.9	4,002.8	4,172.4
ALCOHOL, DRUG ABUSE & MENTAL											
HLTH ADMIN .....	N/A	N/A	N/A	N/A	N/A	N/A	214.4	233.5	239.7	259.0	288.8
NATIONAL INSTITUTES OF HEALTH ..	N/A	N/A	N/A	N/A	N/A	N/A	3,000.8	3,211.2	3,355.5	3,454.8	3,554.1
OTHER HHS .....	N/A	N/A	N/A	N/A	N/A	N/A	343.2	366.1	355.7	289.0	329.5
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL .....	57.8	64.8	62.0	67.6	52.1	69.7	67.9	56.0	48.1	34.5	31.1
DEPT OF THE INTERIOR, TOTAL .....	265.8	194.5	307.2	339.1	319.7	374.0	410.8	418.8	430.6	405.1	366.4
BUREAU OF MINES .....	77.5	66.1	107.6	131.3	105.3	121.1	121.3	114.4	97.4	94.9	77.9
GEOLOGICAL SURVEY .....	67.3	66.6	106.6	110.3	117.5	133.7	145.6	146.3	169.8	157.8	149.5
OTHER INTERIOR .....	121.0	61.8	93.0	97.5	96.8	119.3	143.9	158.0	163.4	152.4	139.0
DEPARTMENT OF JUSTICE, TOTAL ....	33.2	34.7	44.3	33.9	27.7	60.9	43.0	41.5	26.5	30.0	22.0
OFF OF JUSTICE ASSIST. RSCH. & STATISTICS .....	30.4	27.3	40.9	29.2	21.8	51.6	32.2	33.2	21.9	19.7	15.2
OTHER JUSTICE .....	2.8	7.4	3.4	4.6	5.8	9.3	10.7	8.4	5.5	10.3	6.8
DEPARTMENT OF LABOR, TOTAL .....	19.9	23.8	25.4	28.5	29.6	97.8	137.0	138.1	62.2	30.8	9.9
DEPARTMENT OF STATE, TOTAL .....	26.6	22.9	27.9	44.5	77.6	85.4	3.2	2.2	1.8	2.0	1.8
AGENCY FOR INTERNAT'L DEVTMT ..	25.1	21.4	26.7	42.9	75.3	82.6	N/A	N/A	N/A	N/A	N/A
OTHER STATE .....	1.5	1.5	1.2	1.6	2.3	2.8	3.2	2.2	1.8	2.0	1.8

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TABLE C-115. FEDERAL OBLIGATIONS FOR RESEARCH, DEVELOPMENT, AND R&amp;D PLANT, BY AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
DEPT OF TRANSPORTATION,*TOTAL ...	348.9	383.2	324.8	308.7	377.1	422.4	392.7	384.5	434.5	342.1	375.9
FEDERAL AVIATION ADMIN .....	81.0	125.4	109.0	100.1	106.4	111.5	120.4	108.8	128.9	102.7	160.3
FEDERAL HIGHWAY ADMIN .....	23.7	41.2	45.1	29.3	55.9	52.1	53.5	58.3	51.2	49.9	51.8
FEDERAL RAILROAD ADMIN .....	46.9	37.4	39.4	60.5	58.5	65.7	56.1	56.4	46.1	43.3	20.0
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	54.6	53.6	34.0	31.4	47.2	66.5	56.8	63.8	66.4	55.3	59.7
URBAN MASS TRANS ADMIN .....	74.4	69.2	49.4	48.8	61.6	69.6	58.0	54.4	78.2	48.4	34.0
OTHER TRANSPORTATION.....	68.3	56.4	47.8	38.6	47.5	57.0	47.8	42.9	63.6	42.5	50.1
DEPT OF THE TREASURY, TOTAL .....	1.0	1.1	1.7	3.8	4.9	9.9	9.6	12.1	11.4	12.1	13.2
OTHER AGENCIES											
ATOMIC ENERGY COMMISSION .....	1,712.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RSCH & DEVELOPMENT ADMIN ..	N/A	1,881.6	2,439.9	2,902.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY ..	205.1	170.5	259.7	265.4	297.6	389.3	412.5	345.0	325.7	337.1	229.9
FOUNDATION FOR EDUCATION ASST 2/ ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	104.9	84.9	87.0
INTERNAT'L DEV COOPERATION AGENCY ..	N/A	N/A	N/A	N/A	N/A	N/A	112.9	155.6	142.2	163.8	139.9
NAT'L AERONAUTICS & SPACE ADMIN ..	3,130.2	3,100.5	3,207.1	3,529.0	3,821.5	4,037.8	4,558.5	5,243.2	5,522.4	5,940.0	6,612.9
NATIONAL SCIENCE FOUNDATION .....	537.0	58.1	618.1	661.8	724.1	788.5	838.1	900.5	976.2	970.5	1,049.2
NUCLEAR REGULATORY COMMISSION ...	N/A	46.1	67.2	28.1	119.4	140.8	157.4	190.4	227.3	222.7	219.7
OFFICE OF ECONOMIC OPPORTUNITY ..	87.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION .....	84.6	86.9	97.0	109.5	112.9	118.1	132.1	137.8	159.2	137.4	146.8
ALL OTHER AGENCIES .....	66.7	97.6	108.3	95.0	112.4	151.5	195.9	201.6	172.7	164.2	167.7

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

\* INDICATES AMOUNT LESS THAN \$50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-116. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL AGENCIES .....	16,800.2	17,410.1	19,038.8	20,779.7	23,983.0	26,387.3	28,977.7	31,680.4	34,917.4	38,954.1	42,973.8
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL .....	366.5	378.7	420.1	462.4	547.0	621.3	663.0	687.6	N/A	N/A	N/A
AGRICULTURAL COOPERATIVE SVC ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.6	N/A	N/A	N/A
ECON, STAT & COOPERATIVES SVC ..	N/A	N/A	N/A	N/A	30.5	32.7	35.5	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC .....	16.9	18.1	21.3	24.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FARMER COOPERATIVE SVC .....	1.2	1.4	1.2	1.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SVC .....	.7	.6	1.2	1.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SVC ....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31.1	N/A	N/A	N/A
FOREST SERVICE .....	58.4	65.5	78.2	79.9	90.3	105.6	107.5	111.5	N/A	N/A	N/A
SCIENCE & EDUCATION ADMIN .....	N/A	N/A	N/A	N/A	426.2	483.0	518.4	536.0	N/A	N/A	N/A
AGRICULTURAL RESEARCH .....	199.5	203.5	217.1	242.1	298.9	325.5	345.8	351.8	N/A	N/A	N/A
COOPERATIVE RESEARCH .....	89.4	89.4	101.1	113.4	127.3	157.4	172.6	184.2	N/A	N/A	N/A
TECHNICAL INFO SYSTEMS .....	.3	.1							N/A	N/A	N/A
OTHER AGRICULTURE .....	-	-	-	-	-	-	1.6	7.4	N/A	N/A	N/A
DEPARTMENT OF AGRICULTURE, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	774.0	807.4	838.9
AGRICULTURAL COOPERATIVE SVC ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.7	1.8	1.4
AGRICULTURAL MARKETING SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.1	1.5	-
AGRICULTURAL RESEARCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	394.1	412.0	454.5
COOPERATIVE STATE RSCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	199.4	221.2	223.3
ECONOMIC RESEARCH SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	39.3	39.4	40.6
FOREST SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	126.1	110.4	98.0
STATISTICAL REPORTING SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.5	7.0	8.0
OTHER AGRICULTURE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.7	14.2	13.2
DEPARTMENT OF COMMERCE, TOTAL .....	190.6	180.6	215.4	228.9	244.7	283.7	309.4	362.5	5,246.2	4,864.4	4,178.9
ENERGY RSCH & TECH ADMIN 1/.....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4,918.2	4,583.5	3,944.2
NATIONAL BUREAU OF STANDARDS .....	36.8	40.2	43.2	47.4	53.2	58.3	67.8	76.2	82.5	90.3	80.3
NAT'L OCEANIC & ATMOS ADMIN .....	115.6	109.1	128.0	135.1	145.7	161.5	171.2	199.8	201.4	166.3	140.8
OTHER COMMERCE .....	38.1	31.3	44.2	46.3	45.8	63.9	70.4	66.6	44.1	24.2	13.6
DEPARTMENT OF DEFENSE, TOTAL .....	8,404.2	8,420.4	9,012.5	9,654.7	10,963.4	11,553.6	12,506.2	13,981.0	16,508.6	20,602.3	24,519.6
DEPARTMENT OF THE ARMY .....	2,013.6	2,009.9	1,896.7	2,013.7	2,441.9	2,548.9	2,768.7	2,980.0	3,244.2	3,702.2	4,594.3
DEPARTMENT OF THE NAVY .....	2,654.8	2,718.5	3,100.2	3,328.0	3,817.4	3,998.4	4,335.0	4,706.1	5,006.0	5,820.2	6,251.4
DEPARTMENT OF THE AIR FORCE .....	3,273.5	3,216.2	3,513.5	3,726.6	4,031.1	4,262.3	4,525.6	5,211.0	6,969.2	9,355.8	11,405.0
DEFENSE AGENCIES .....	434.1	448.9	476.5	561.6	641.4	707.9	847.6	1,046.0	1,248.2	1,673.2	2,210.5
DEFENSE CIVIL PREPAREDNESS											
AGENCY .....	3.2	2.7	1.7	.7	1.3	7.5	N/A	N/A	N/A	N/A	N/A
DIRECTOR OF TEST & EVALUATION ..	25.1	24.2	23.9	24.1	30.2	28.6	29.3	37.9	41.1	50.9	58.4
DEPARTMENT OF EDUCATION, TOTAL ..	N/A	N/A	N/A	N/A	N/A	N/A	166.3	139.4	N/A	N/A	N/A
DEPARTMENT OF ENERGY, TOTAL .....	N/A	N/A	N/A	N/A	3,536.2	4,244.8	4,638.8	4,753.7	N/A	N/A	N/A
DEPT OF HLTH, EDUC. & WELFARE,											
TOTAL .....	1,837.6	2,290.1	2,397.5	2,583.6	2,823.3	3,207.3	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL,											
HLTH ADMIN .....	122.2	155.6	139.4	139.5	153.0	180.2	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION .....	106.8	75.7	69.9	63.7	64.9	89.5	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH ..	1,314.2	1,736.8	1,879.9	2,060.2	2,279.9	2,580.9	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION .....	58.3	51.5	45.9	58.2	31.1	32.9	N/A	N/A	N/A	N/A	N/A
OTHER HHS .....	236.1	270.5	262.4	261.9	294.5	323.8	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	3,504.9	3,780.2	3,927.1	3,967.9	4,117.8
ALCOHOL, DRUG ABUSE & MENTAL											
HLTH ADMIN .....	N/A	N/A	N/A	N/A	N/A	N/A	214.3	233.5	239.4	252.2	288.7
NATIONAL INSTITUTES OF HEALTH ..	N/A	N/A	N/A	N/A	N/A	N/A	2,953.1	3,181.8	3,333.2	3,428.7	3,524.6
OTHER HHS .....	N/A	N/A	N/A	N/A	N/A	N/A	337.5	354.9	354.5	287.0	294.5
DEPT OF HOUSING & URBAN											
DEVELOPMENT, TOTAL .....	57.8	64.8	62.0	67.6	52.1	69.7	67.9	56.0	48.1	34.5	31.1
DEPT OF THE INTERIOR, TOTAL .....	243.7	192.4	303.3	333.2	314.7	359.0	405.8	411.3	427.1	403.4	364.7
BUREAU OF MINES .....	77.5	66.1	107.6	131.3	101.9	114.0	121.0	113.4	96.7	94.6	77.9
GEOLOGICAL SURVEY .....	66.6	66.2	106.6	110.3	117.5	133.7	145.6	146.3	169.8	157.8	149.5
OTHER INTERIOR .....	99.6	60.1	89.1	91.6	95.3	111.4	139.2	151.5	160.6	151.0	137.2
DEPARTMENT OF JUSTICE, TOTAL .....	33.2	34.7	44.3	33.9	27.7	60.9	43.0	41.5	26.5	30.0	22.0
OFF OF JUSTICE ASSIST, RSCH,											
& STATISTICS .....	30.4	27.3	40.9	29.2	21.8	51.6	32.2	33.2	21.0	19.7	15.2
OTHER JUSTICE .....	2.8	7.4	3.4	4.6	5.8	9.3	10.7	8.4	5.5	10.3	6.8
DEPARTMENT OF LABOR, TOTAL .....	19.9	23.8	25.4	28.5	29.6	97.8	137.0	138.1	62.2	30.8	9.9
DEPARTMENT OF STATE, TOTAL .....	26.2	22.5	27.9	39.4	61.4	85.2	3.2	2.2	1.8	2.0	1.8
AGENCY FOR INTERNAT'L DEVHMT ..	24.7	21.1	26.7	37.8	59.1	82.4	N/A	N/A	N/A	N/A	N/A
OTHER STATE .....	1.5	1.5	1.2	1.6	2.3	2.8	3.2	2.2	1.8	2.0	1.8

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TABLE C-116. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
DEPT OF TRANSPORTATION, TOTAL ...	310.6	369.8	311.6	294.5	354.6	408.3	370.1	361.2	415.5	327.8	366.5
FEDERAL AVIATION ADMIN .....	79.5	125.0	105.6	98.1	103.4	110.5	110.5	103.1	120.0	96.7	151.5
FEDERAL HIGHWAY ADMIN .....	23.6	40.8	44.7	28.9	55.5	51.7	52.9	51.1	51.2	49.9	51.8
FEDERAL RAILROAD ADMIN .....	35.5	33.5	32.4	50.4	41.9	53.9	44.2	46.2	36.6	35.6	20.0
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	54.6	53.6	34.0	31.4	47.0	66.3	56.6	63.6	65.9	54.7	59.1
URBAN MASS TRANS ADMIN .....	66.2	65.6	47.7	47.5	59.9	69.6	58.0	54.4	78.2	48.4	34.0
OTHER TRANSPORTATION .....	51.3	51.3	47.2	38.2	46.9	56.3	47.8	42.9	63.6	42.5	50.1
DEPT OF THE TREASURY, TOTAL .....	1.0	1.1	1.7	3.7	4.8	9.9	9.5	12.0	11.3	12.1	13.2
OTHER AGENCIES											
ATOMIC ENERGY COMMISSION .....	1,363.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RSCH & DEVELOPMENT ADMIN .....	N/A	1,488.9	2,047.3	2,463.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY .....	180.6	169.2	257.7	259.1	295.5	384.6	410.1	345.0	325.7	317.1	229.9
FOUNDATION FOR EDUCATION ASST 2/ .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	104.9	84.9	87.0
INTERNAT'L DEV COOPERATION AGENCY .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	106.5	149.3	134.2	155.9
NAT'L AERONAUTICS & SPACE ADMIN .....	3,060.9	3,002.2	3,064.4	3,446.8	3,703.4	3,875.4	4,411.0	5,084.1	5,406.6	5,841.3	6,512.9
NATIONAL SCIENCE FOUNDATION .....	479.9	556.4	595.0	609.3	697.0	748.8	807.9	881.8	961.6	959.6	1,025.1
NUCLEAR REGULATORY COMMISSION .....	N/A	42.3	64.2	88.4	112.3	133.9	148.8	182.7	219.7	215.8	213.5
OFFICE OF ECONOMIC OPPORTUNITY .....	87.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION .....	74.3	84.8	94.8	97.7	107.0	114.0	127.0	133.4	144.4	135.0	142.6
ALL OTHER AGENCIES .....	62.0	87.4	93.9	84.2	108.5	129.1	141.5	197.4	171.9	162.1	166.5

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

\* INDICATES AMOUNT LESS THAN \$50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-117. FEDERAL OBLIGATIONS FOR R&D PLANT, BY AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL AGENCIES .....	774.3	766.3	820.7	836.7	1,367.2	1,295.7	1,475.5	1,555.7	1,485.7	1,483.9	1,298.6
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL .....	2.9	8.8	7.8	16.1	12.9	24.7	22.6	56.9	20.8	34.6	30.2
DEPARTMENT OF COMMERCE, TOTAL 1/ .....	7.9	11.6	9.5	6.6	7.1	4.1	2.4	4.6	979.5	984.1	693.0
DEPARTMENT OF DEFENSE, TOTAL ....	146.4	169.1	167.1	143.4	445.6	232.6	270.2	208.2	277.7	285.2	365.9
DEPARTMENT OF THE ARMY .....	17.1	32.1	23.9	12.3	16.3	7.6	3.8	13.8	12.8	27.8	32.9
DEPARTMENT OF THE NAVY .....	35.7	54.0	62.7	45.8	61.2	48.3	68.1	83.2	97.9	110.5	127.2
DEPARTMENT OF THE AIR FORCE ...	70.6	67.7	59.6	73.0	350.0	160.1	167.5	108.0	159.6	138.3	199.0
DEFENSE AGENCIES .....	23.0	15.3	20.9	12.3	18.1	16.6	30.8	3.2	7.4	8.6	6.8
DEPARTMENT OF ENERGY, TOTAL .....	N/A	N/A	N/A	N/A	561.0	690.7	844.4	1,024.1	N/A	N/A	N/A
DEPT OF HLTH, EDUC, & WELFARE, TOTAL .....	41.6	40.9	39.1	33.1	132.6	74.3	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	53.5	30.6	23.7	34.8	54.6
DEPT OF THE INTERIOR, TOTAL .....	22.0	2.1	3.9	5.9	5.0	15.0	5.0	7.5	3.5	1.7	1.7
DEPARTMENT OF STATE, TOTAL .....	.4	.4	-	5.1	16.2	.2	-	-	-	-	-
DEPT OF TRANSPORTATION, TOTAL ...	38.2	13.4	13.3	14.2	22.5	14.1	22.6	23.3	18.9	14.3	9.4
DEPT OF THE TREASURY, TOTAL .....	*	*	*	.1	.1	*	*	*	.1	.1	.1
OTHER AGENCIES											
ATOMIC ENERGY COMMISSION .....	349.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RSCH & DEVELOPMENT ADMIN ..	N/A	392.7	392.6	438.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY ..	24.5	1.2	2.1	6.3	2.1	4.6	2.4	-	-	-	-
INTERNAT'L DEV COOPERATION AGENCY ..	N/A	N/A	N/A	N/A	N/A	N/A	6.4	6.3	8.0	7.9	7.9
NAT'L AERONAUTICS & SPACE ADMIN ..	69.3	98.4	142.7	82.1	118.1	162.3	147.5	159.1	115.8	98.7	100.0
NATIONAL SCIENCE FOUNDATION .....	57.1	11.7	23.1	52.6	27.1	39.7	30.2	18.7	14.6	11.0	24.1
NUCLEAR REGULATORY COMMISSION ...	N/A	3.8	3.0	9.6	7.1	6.9	8.6	7.7	7.7	6.9	6.2
VETERANS ADMINISTRATION .....	10.3	2.1	2.2	11.8	5.9	4.1	5.1	4.4	14.8	2.4	4.2
ALL OTHER AGENCIES .....	4.6	10.2	14.4	10.8	3.9	22.4	54.4	4.2	.8	2.1	1.2

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

\* INDICATES AMOUNT LESS THAN \$50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-118. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT BY CHARACTER OF WORK, AND R&D PLANT: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

FISCAL YEARS	TOTAL	RESEARCH		DEVELOPMENT	R&D PLANT
		BASIC	APPLIED		
1973.....	17,574.5	2,232.0	3,349.4	11,218.7	774.3
1974.....	18,176.5	2,387.7	3,727.6	11,234.9	766.3
1975.....	19,859.5	2,532.4	4,141.3	12,309.1	820.7
1976.....	21,616.4	2,767.5	4,851.9	13,160.3	836.7
1977.....	25,350.2	3,258.6	5,255.5	15,468.9	1,367.2
1978.....	27,683.0	3,698.6	5,908.2	16,780.5	1,295.7
1979.....	30,453.2	4,192.7	6,342.3	18,442.7	1,475.5
1980.....	33,236.1	4,674.2	6,923.2	20,083.0	1,555.7
1981.....	36,403.1	5,041.3	7,171.5	22,704.6	1,485.7
1982 (ESTIMATED).....	40,438.0	5,310.8	7,284.1	26,359.1	1,483.9
1983 (ESTIMATED).....	44,272.4	5,765.2	7,499.7	29,708.9	1,298.6

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-119. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH, BY SELECTED AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL AGENCIES .....	5,581.4	6,175.2	6,729.7	7,619.3	8,514.1	9,600.8	10,535.0	11,597.4	12,212.8	12,595.0	13,264.9
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL .....	354.1	365.1	401.9	442.2	524.0	594.5	631.9	657.4	N/A	N/A	N/A
AGRICULTURAL COOPERATIVE SVC ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.6	N/A	N/A	N/A
ECON, STAT & COOPERATIVES SVC ..	N/A	N/A	N/A	N/A	29.7	32.7	35.5	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC .....	16.9	18.1	21.3	24.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FARMER COOPERATIVE SVC .....	1.2	1.4	1.2	1.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SVC .....	.5	.4	1.0	1.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	31.1	N/A	N/A	N/A
FOREST SERVICE .....	56.1	62.3	73.3	74.5	86.1	100.7	102.5	106.1	N/A	N/A	N/A
SCIENCE & EDUCATION ADMIN .....	N/A	N/A	N/A	N/A	408.2	461.1	493.5	512.8	N/A	N/A	N/A
AGRICULTURAL RESEARCH .....	189.7	193.4	204.1	227.6	281.0	303.7	320.9	328.6	N/A	N/A	N/A
COOPERATIVE RESEARCH .....	89.4	89.4	101.1	113.4	127.3	157.4	172.6	184.2	N/A	N/A	N/A
TECHNICAL INFO SYSTEMS .....	.3	.1	*	*	-	-	-	-	N/A	N/A	N/A
OTHER AGRICULTURE .....	-	-	-	-	-	-	.4	5.9	N/A	N/A	N/A
DEPARTMENT OF AGRICULTURE, TOTAL .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	741.0	775.3	808.2
AGRICULTURAL COOPERATIVE SVC ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.7	1.8	1.4
AGRICULTURAL MARKETING SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.9	1.2	-
AGRICULTURAL RESEARCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	367.9	385.8	428.2
COOPERATIVE STATE RSCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	199.4	221.2	223.3
ECONOMIC RESEARCH SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	39.3	39.4	40.6
FOREST SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	119.9	106.0	94.6
STATISTICAL REPORTING SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.5	7.0	8.0
OTHER AGRICULTURE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.3	13.0	12.0
DEPARTMENT OF COMMERCE, TOTAL .....	130.2	129.2	155.4	155.7	176.1	192.8	219.5	254.4	1,663.0	1,762.2	1,685.2
ENERGY RSCH & TECH ADMIN 1/.....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,413.6	1,542.3	1,499.1
NATIONAL BUREAU OF STANDARDS .....	31.0	32.7	34.7	37.5	45.0	48.5	51.8	58.9	66.2	71.9	72.1
NAT'L OCEANIC & ATMOS ADMIN .....	89.1	87.1	99.7	104.9	115.8	127.9	142.7	168.8	168.5	133.2	103.1
OTHER COMMERCE .....	10.0	9.4	10.0	13.3	15.4	16.3	25.0	26.7	14.7	14.9	10.9
DEPARTMENT OF DEFENSE, TOTAL .....	1,436.1	1,434.4	1,431.0	1,527.5	1,715.8	1,824.1	2,014.1	2,261.8	2,600.9	2,883.1	3,326.1
DEPARTMENT OF THE ARMY .....	377.1	366.5	336.4	362.4	398.0	409.8	448.6	479.3	536.5	583.5	708.6
DEPARTMENT OF THE NAVY .....	386.3	401.3	406.5	438.0	497.4	526.3	567.3	611.1	698.0	770.6	851.3
DEPARTMENT OF THE AIR FORCE .....	341.0	341.7	355.8	382.3	425.8	448.7	492.3	537.3	617.3	592.4	706.2
DEFENSE AGENCIES .....	328.5	322.2	330.6	344.1	393.4	431.7	505.9	634.1	749.1	936.6	1,059.9
DEFENSE CIVIL PREPAREDNESS AGENCY .....	3.2	2.7	1.7	.7	1.3	7.5	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF EDUCATION, TOTAL .....	N/A	N/A	N/A	N/A	N/A	N/A	93.4	87.6	N/A	N/A	N/A
DEPARTMENT OF ENERGY, TOTAL .....	N/A	N/A	N/A	N/A	891.3	1,102.2	1,131.8	1,277.3	N/A	N/A	N/A
DEPT OF HLTH, EDUC, & WELFARE, TOTAL .....	1,444.2	1,846.7	1,924.8	2,150.7	2,414.3	2,740.7	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	122.2	155.6	139.4	136.6	152.0	178.8	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION .....	16.1	9.5	4.1	10.8	27.1	34.6	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH .....	1,132.1	1,489.6	1,604.2	1,767.7	1,968.7	2,232.6	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION .....	6.6	6.4	5.3	21.4	11.9	13.3	N/A	N/A	N/A	N/A	N/A
OTHER HEW .....	167.2	185.5	171.9	214.2	254.6	281.4	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL .....	N/A	N/A	N/A	N/A	N/A	N/A	3,015.7	3,332.8	3,492.2	3,554.2	3,703.3
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	N/A	N/A	N/A	N/A	N/A	N/A	213.5	233.5	237.7	250.7	287.0
NATIONAL INSTITUTES OF HEALTH .....	N/A	N/A	N/A	N/A	N/A	N/A	2,530.1	2,787.5	2,948.3	3,047.1	3,146.3
OTHER HHS .....	N/A	N/A	N/A	N/A	N/A	N/A	272.0	311.8	306.2	256.4	270.0
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL .....	18.4	33.8	33.5	36.9	32.7	30.5	23.8	19.6	16.7	13.0	12.4
DEPT OF THE INTERIOR, TOTAL .....	160.2	143.5	234.1	259.5	255.9	283.5	339.5	354.4	369.8	349.8	318.7
BUREAU OF MINES .....	41.5	30.5	52.9	73.3	52.3	57.0	79.1	82.8	68.0	69.8	56.9
GEOLOGICAL SURVEY .....	62.9	66.2	106.6	110.3	117.5	133.7	145.1	145.8	169.3	157.3	149.5
OTHER INTERIOR .....	55.8	46.7	74.5	75.8	86.2	92.8	115.3	125.8	132.6	122.7	112.3
DEPARTMENT OF JUSTICE, TOTAL .....	7.0	18.6	18.9	18.3	17.6	45.7	28.8	28.8	19.5	19.2	15.3
OFF OF JUSTICE ASSIST, RSCH, & STATISTICS .....	5.5	16.5	17.9	17.7	16.4	43.3	25.1	25.6	16.7	15.3	12.2
OTHER JUSTICE .....	1.6	1.7	1.0	.6	1.2	2.4	2.9	3.1	2.8	3.8	3.2
DEPARTMENT OF LABOR, TOTAL .....	13.3	17.2	15.3	18.0	18.7	25.7	42.1	36.4	58.2	29.3	9.4
DEPARTMENT OF STATE, TOTAL .....	24.6	17.8	22.5	25.1	38.3	49.1	2.7	2.0	1.6	2.0	1.8
AGENCY FOR INTERNAT'L DEVHMNT ..	23.9	16.8	21.7	24.0	36.2	46.6	N/A	N/A	N/A	N/A	N/A
OTHER STATE .....	.8	1.1	.7	1.1	2.1	2.5	2.7	2.0	1.6	2.0	1.8

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TABLE C-119. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH, BY SELECTED AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

N/A CONTINUED

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
DEPT OF TRANSPORTATION, TOTAL ...	77.2	61.8	53.8	31.1	51.8	66.5	67.0	82.4	88.6	69.1	73.3
FEDERAL AVIATION ADMIN .....	17.8	13.9	14.1	3.6	4.7	6.8	7.5	8.2	8.2	3.1	8.0
FEDERAL HIGHWAY ADMIN .....	1.8	3.3	3.4	1.9	5.3	4.9	4.4	4.6	5.1	5.0	5.2
FEDERAL RAILROAD ADMIN .....	15.4	1.6	2.7	8.6	6.6	9.2	7.5	7.9	6.2	6.1	3.4
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	21.7	14.9	12.0	9.9	27.5	38.0	30.0	38.6	29.4	22.2	22.6
URBAN MASS TRANS ADMIN .....	6.3	6.2	2.9	.6	1.0	1.2	1.1	8.9	9.3	11.0	8.5
OTHER TRANSPORTATION .....	14.2	21.9	18.7	6.5	6.7	6.5	16.5	14.2	30.4	21.7	25.6
DEPT OF THE TREASURY, TOTAL .....	.4	.5	.4	1.5	2.1	4.1	4.7	5.7	5.2	6.5	9.7
OTHER AGENCIES											
ATOMIC ENERGY COMMISSION .....	424.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RSCH & DEVELOPMENT ADMIN ..	N/A	464.7	593.4	746.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY ..	74.3	96.3	141.7	155.4	205.3	252.7	259.0	245.1	218.3	216.6	159.8
FOUNDATION FOR EDUCATION ASST 2/ ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	53.8	41.5	44.6
INTERNAT'L DEV COOPERATION AGENCY ..	N/A	N/A	N/A	N/A	N/A	N/A	66.9	79.7	86.4	101.4	91.5
NAT'L AERONAUTICS & SPACE ADMIN ..	793.9	845.7	935.1	1,222.8	1,206.1	1,345.2	1,451.2	1,609.6	1,407.2	1,384.8	1,531.7
NATIONAL SCIENCE FOUNDATION .....	464.0	520.3	570.0	595.8	688.3	743.5	800.0	873.7	955.5	959.6	1,025.1
NUCLEAR REGULATORY COMMISSION .....	N/A	42.3	64.2	88.4	112.3	133.9	148.8	182.7	219.7	215.8	213.5
OFFICE OF ECONOMIC OPPORTUNITY ..	32.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION .....	69.7	78.7	87.1	85.1	92.3	99.4	111.4	117.9	127.7	120.6	127.6
ALL OTHER AGENCIES .....	56.7	58.7	57.5	58.7	71.2	72.7	82.8	88.1	87.6	91.0	107.6

1. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2. THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

\* INDICATES AMOUNT LESS THAN \$50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-120. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY SELECTED AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL AGENCIES .....	2,232.0	2,387.7	2,588.4	2,767.5	3,258.1	3,698.6	4,192.7	4,674.2	5,041.3	5,310.8	5,765.2
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL .....	142.7	145.6	154.2	171.4	204.5	242.7	256.4	275.7	N/A	N/A	N/A
ECON, STAT & COOPERATIVES SVC ..	N/A	N/A	N/A	N/A	3.8	3.9	6.4	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC .....	4.8	5.4	3.2	3.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SVC ..	.1	*	.3	.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SVC ....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	6.6	N/A	N/A	N/A
FOREST SERVICE .....	19.3	20.7	21.1	22.6	26.7	30.8	31.4	33.7	N/A	N/A	N/A
SCIENCE & EDUCATION ADMIN .....	N/A	N/A	N/A	N/A	174.0	207.9	218.6	233.0	N/A	N/A	N/A
AGRICULTURAL RESEARCH .....	84.6	85.5	91.2	101.7	125.6	142.4	148.2	157.8	N/A	N/A	N/A
COOPERATIVE RESEARCH .....	34.0	34.0	38.4	43.1	48.4	65.6	70.5	75.2	N/A	N/A	N/A
OTHER AGRICULTURE .....	-	-	-	-	-	-	-	2.3	N/A	N/A	N/A
DEPARTMENT OF AGRICULTURE, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	314.1	332.1	359.1
AGRICULTURAL RESEARCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	186.4	196.1	221.6
COOPERATIVE STATE RSCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	83.9	91.9	96.4
ECONOMIC RESEARCH SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.6	3.6	3.6
FOREST SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	38.1	38.1	35.3
OTHER AGRICULTURE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.2	N/A	2.2
DEPARTMENT OF COMMERCE, TOTAL ...	6.6	7.7	8.1	11.0	12.3	11.8	11.9	15.9	602.5	664.3	756.5
ENERGY RSCH & TECH ADMIN 1/.....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	586.3	646.8	738.7
NATIONAL BUREAU OF STANDARDS ..	4.5	6.2	5.4	5.8	6.9	5.9	8.8	12.8	15.6	16.9	17.3
OTHER COMMERCE .....	2.2	1.5	2.8	5.2	5.4	5.9	3.1	3.1	.6	.6	.4
DEPARTMENT OF DEFENSE, TOTAL .....	306.7	302.9	300.1	326.9	373.3	410.4	471.5	540.3	604.3	674.2	782.1
DEPARTMENT OF THE ARMY .....	76.9	76.3	71.7	81.4	99.0	104.1	115.0	132.2	148.1	167.1	203.6
DEPARTMENT OF THE NAVY .....	112.7	114.2	118.7	129.7	153.8	172.1	192.1	214.9	238.0	280.0	305.0
DEPARTMENT OF THE AIR FORCE ....	79.9	77.5	78.9	83.9	84.8	95.1	105.0	108.2	125.8	140.4	164.2
DEFENSE AGENCIES .....	37.2	34.9	30.7	31.9	35.5	39.1	59.3	85.1	92.4	86.7	109.3
DEPARTMENT OF EDUCATION, TOTAL ..	N/A	N/A	N/A	N/A	N/A	N/A	20.6	17.6	N/A	N/A	N/A
DEPARTMENT OF ENERGY, TOTAL .....	N/A	N/A	N/A	N/A	389.5	440.5	463.0	523.1	N/A	N/A	N/A
DEPT OF HLTH, EDUC, & WELFARE, TOTAL .....	667.3	850	903.7	986.2	1,119.5	1,292.3	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	52.6	53.3	66.2	52.6	62.7	79.9	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION ..	11.4	4.8	1.9	5.1	11.9	18.3	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH ..	593.0	775.3	828.5	920.3	1,032.8	1,181.1	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION .....	.1	.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
OTHER MEH .....	10.4	16.5	7.1	8.2	12.2	13.1	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	1,576.0	1,762.7	1,900.4	1,970.7	2,042.3
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	N/A	N/A	N/A	N/A	N/A	N/A	94.6	104.7	116.3	124.4	135.4
NATIONAL INSTITUTES OF HEALTH ..	N/A	N/A	N/A	N/A	N/A	N/A	1,463.7	1,642.3	1,766.8	1,839.4	1,896.7
OTHER HHS .....	N/A	N/A	N/A	N/A	N/A	N/A	17.7	15.6	17.3	6.9	10.2
DEPT OF THE INTERIOR, TOTAL .....	48.7	48.7	54.9	54.3	63.6	65.9	72.5	71.6	80.7	74.2	67.6
BUREAU OF MINES .....	6.9	5.6	1.9	.8	4.0	8.6	13.7	11.5	13.6	12.9	12.5
GEOLOGICAL SURVEY .....	27.7	27.2	38.6	39.5	40.3	46.3	49.0	47.3	53.5	52.6	50.0
OTHER INTERIOR .....	14.1	15.9	14.4	14.0	19.3	11.0	9.8	12.8	13.6	8.6	5.1
DEPARTMENT OF JUSTICE, TOTAL ....	2.1	2.1	9.5	4.5	5.1	14.7	7.9	9.5	4.6	4.4	3.8
OFF OF JUSTICE ASSIST, RSCH, & STATISTICS .....	2.1	2.1	9.5	4.5	5.1	14.7	7.9	9.5	4.6	4.4	3.1
DEPARTMENT OF LABOR, TOTAL .....	1.3	1.2	.9	1.0	.7	3.7	2.3	3.9	3.7	3.6	-
DEPARTMENT OF STATE, TOTAL .....	-	-	1.5	-	-	-	*	-	-	-	-
AGENCY FOR INTERNAT'L DEVT .....	-	-	1.5	-	-	-	N/A	N/A	N/A	N/A	N/A
OTHER STATE .....	-	-	-	-	-	-	*	-	-	-	-

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TABLE C-120. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY SELECTED AGENCY: FISCAL YEARS 1973-83  
(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
DEPT OF TRANSPORTATION, TOTAL ...	.2	.3	.1	-	-	-	-	-	1.2	.9	.7
OTHER TRANSPORTATION .....	.2	.3	.1	-	-	-	-	-	1.2	.9	.7
DEPT OF THE TREASURY, TOTAL .....	-	-	-	-	-	-	.2	1.7	2.3	2.0	3.1
OTHER AGENCIES											
ATOMIC ENERGY COMMISSION .....	275.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RSCH & DEVELOPMENT ADMIN .	N/A	269.5	312.8	345.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY .	9.0	9.5	17.4	13.7	8.3	6.0	10.1	13.6	10.5	14.7	9.8
FOUNDATION FOR EDUCATION ASST 2/ .	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	20.6	15.3	15.5
NAT'L AERONAUTICS & SPACE ADMIN .	350.3	305.9	309.3	293.2	413.8	479.7	512.8	559.1	531.1	575.3	677.2
NATIONAL SCIENCE FOUNDATION .....	392.4	415.2	486.0	523.6	624.9	678.0	733.3	815.2	896.6	910.8	975.6
OFFICE OF ECONOMIC OPPORTUNITY ..	.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION .....	3.2	3.6	3.9	8.9	9.1	8.9	9.5	14.3	15.0	13.0	13.9
ALL OTHER AGENCIES .....	25.3	25.5	26.1	27.0	34.2	43.9	44.6	49.8	53.6	55.4	57.9

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

\* INDICATES AMOUNT LESS THAN \$50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-121. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY SELECTED AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1973.	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL AGENCIES .....	3,349.4	3,787.6	4,141.3	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,284.1	7,499.7
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL .....	211.4	219.5	247.8	270.9	319.6	351.8	375.5	381.8	N/A	N/A	N/A
AGRICULTURAL COOPERATIVE SVC ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.6	N/A	N/A	N/A
ECON, STAT & COOPERATIVES SVC ..	N/A	N/A	N/A	N/A	25.9	28.8	29.1	N/A	N/A	N/A	N/A
ECONOMIC RESEARCH SVC .....	12.2	12.7	18.1	20.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
FARMER COOPERATIVE SVC .....	1.2	1.4	1.2	1.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A
STATISTICAL REPORTING SVC .....	.4	.4	.7	1.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ECONOMICS & STATISTICS SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	24.5	N/A	N/A	N/A
FOREST SERVICE .....	36.8	41.6	52.2	51.9	59.4	69.8	71.1	72.3	N/A	N/A	N/A
SCIENCE & EDUCATION ADMIN .....	N/A	N/A	N/A	N/A	234.3	253.2	274.8	279.8	N/A	N/A	N/A
AGRICULTURAL RESEARCH .....	105.1	107.9	112.9	125.9	155.4	161.3	172.7	170.8	N/A	N/A	N/A
COOPERATIVE RESEARCH .....	55.4	55.4	62.7	70.3	78.9	91.9	102.1	109.0	N/A	N/A	N/A
TECHNICAL INFO SYSTEMS .....	.3	.1	*	*	-	-	-	-	N/A	N/A	N/A
OTHER AGRICULTURE .....	-	-	-	-	-	-	.4	3.6	N/A	N/A	N/A
DEPARTMENT OF AGRICULTURE, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	426.9	443.3	449.1
AGRICULTURAL COOPERATIVE SVC ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.7	1.8	1.4
AGRICULTURAL MARKETING SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	.9	1.2	-
AGRICULTURAL RESEARCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	181.5	189.6	206.7
COOPERATIVE STATE RSCH SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	115.5	129.3	126.9
ECONOMIC RESEARCH SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	35.8	35.8	37.0
FOREST SERVICE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	81.8	67.9	59.3
STATISTICAL REPORTING SVC .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.5	7.0	8.0
OTHER AGRICULTURE .....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2.2	10.8	9.8
DEPARTMENT OF COMMERCE, TOTAL ...	123.5	121.5	136.3	144.7	163.8	181.0	207.6	238.5	1,060.4	1,097.9	928.8
ENERGY RSCH & TECH ADMIN 1/.....	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	827.3	895.5	760.4
NATIONAL BUREAU OF STANDARDS ...	26.6	26.5	29.4	31.7	38.0	42.6	43.0	46.1	50.6	55.0	54.7
NAT'L OCEANIC & ATMOS ADMIN .....	89.1	87.1	99.7	104.9	115.8	127.9	142.7	168.8	168.5	133.2	103.1
OTHER COMMERCE .....	7.8	7.9	7.2	8.1	10.0	10.4	21.9	23.6	14.0	14.3	10.5
DEPARTMENT OF DEFENSE, TOTAL ....	1,129.4	1,131.5	1,130.9	1,200.6	1,342.6	1,413.6	1,542.6	1,721.4	1,996.6	2,208.9	2,543.9
DEPARTMENT OF THE ARMY .....	300.2	290.1	264.7	281.0	299.0	305.7	333.6	347.1	388.4	416.4	505.0
DEPARTMENT OF THE NAVY .....	273.7	287.1	287.8	308.3	343.6	354.2	375.2	396.2	460.0	490.6	546.3
DEPARTMENT OF THE AIR FORCE .....	261.1	264.1	276.9	298.4	341.0	353.6	387.2	429.1	491.5	452.0	542.0
DEFENSE AGENCIES .....	291.2	287.3	299.9	312.2	357.8	392.5	446.6	549.1	656.7	849.9	950.6
DEFENSE CIVIL PREPAREDNESS AGENCY .....	3.2	2.7	1.7	.7	1.3	7.5	N/A	N/A	N/A	N/A	N/A
DEPARTMENT OF EDUCATION, TOTAL ..	N/A	N/A	N/A	N/A	N/A	N/A	72.8	70.0	N/A	N/A	N/A
DEPARTMENT OF ENERGY, TOTAL .....	N/A	N/A	N/A	N/A	501.8	661.7	668.9	754.2	N/A	N/A	N/A
DEPT OF HLTH, EDUC. & WELFARE, TOTAL .....	776.9	996.6	1,021.1	1,164.6	1,294.8	1,448.4	N/A	N/A	N/A	N/A	N/A
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	69.6	102.3	73.2	84.1	89.3	98.8	N/A	N/A	N/A	N/A	N/A
NAT'L INSTITUTE OF EDUCATION ...	4.7	4.7	2.2	5.7	15.2	16.3	N/A	N/A	N/A	N/A	N/A
NATIONAL INSTITUTES OF HEALTH ..	539.1	714.3	775.7	847.4	935.9	1,051.5	N/A	N/A	N/A	N/A	N/A
OFFICE OF EDUCATION .....	6.6	6.3	5.3	21.4	11.9	13.3	N/A	N/A	N/A	N/A	N/A
OTHER HHS .....	156.8	169.0	164.8	206.0	242.5	268.4	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS, TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	1,439.7	1,570.1	1,591.9	1,583.5	1,660.9
ALCOHOL, DRUG ABUSE & MENTAL HLTH ADMIN .....	N/A	N/A	N/A	N/A	N/A	N/A	118.9	128.8	121.4	126.4	151.6
NATIONAL INSTITUTES OF HEALTH ..	N/A	N/A	N/A	N/A	N/A	N/A	1,066.4	1,145.1	1,181.5	1,207.7	1,249.6
OTHER HHS .....	N/A	N/A	N/A	N/A	N/A	N/A	254.3	296.2	289.0	249.5	259.8
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL .....	18.4	33.8	33.5	36.9	32.7	30.5	23.8	19.6	16.7	13.0	12.4
DEPT OF THE INTERIOR, TOTAL .....	111.4	94.8	179.1	205.1	192.4	217.6	266.9	282.8	289.2	275.7	251.0
BUREAU OF MINES .....	34.6	24.9	51.0	72.5	48.3	48.4	65.4	71.3	54.4	56.9	44.4
GEOLOGICAL SURVEY .....	35.1	39.0	68.0	70.8	77.2	87.4	96.1	98.5	115.8	104.7	99.5
OTHER INTERIOR .....	41.7	30.9	60.1	61.8	66.9	81.8	105.5	113.0	119.0	114.1	107.2
DEPARTMENT OF JUSTICE, TOTAL ....	4.9	16.5	9.4	13.8	12.5	31.0	20.9	19.2	14.9	14.7	11.5
OFF OF JUSTICE ASSIST, RSCH, & STATISTICS .....	3.4	14.8	8.5	13.2	11.3	28.6	18.0	16.1	12.0	10.9	8.4
OTHER JUSTICE .....	1.6	1.7	1.0	.6	1.2	2.4	2.9	3.1	2.8	3.8	3.2
DEPARTMENT OF LABOR, TOTAL .....	12.0	16.0	14.4	17.0	18.0	22.0	39.8	32.6	54.5	25.6	9.4
DEPARTMENT OF STATE, TOTAL .....	24.6	17.8	21.0	25.1	38.3	49.1	2.6	2.0	1.6	2.0	1.8
AGENCY FOR INTERNAT'L DEVTNT ..	23.9	16.8	20.2	24.0	36.2	46.6	N/A	N/A	N/A	N/A	N/A
OTHER STATE .....	.8	1.1	.7	1.1	2.1	2.5	2.6	2.0	1.6	2.0	1.8

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TABLE C-121. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY SELECTED AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

- CONTINUED

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
DEPT OF TRANSPORTATION, TOTAL ...	77.1	61.5	53.8	31.1	51.8	66.5	67.0	82.4	87.4	68.2	72.6
FEDERAL AVIATION ADMIN .....	17.8	13.9	14.1	3.6	4.7	6.8	7.5	8.2	8.2	3.1	8.0
FEDERAL HIGHWAY ADMIN .....	1.8	3.3	3.4	1.9	5.3	4.9	4.4	4.6	5.1	5.0	5.2
FEDERAL RAILROAD ADMIN .....	15.4	1.6	2.7	8.6	6.6	9.2	7.5	7.9	6.2	6.1	3.4
NAT'L HIGHWAY TRAFFIC SAFETY ADMIN .....	21.7	14.9	12.0	9.9	27.5	38.0	30.0	38.6	29.4	22.2	22.6
URBAN MASS TRANS ADMIN .....	6.3	6.2	2.9	.6	1.0	1.1	1.1	8.9	9.3	11.0	8.5
OTHER TRANSPORTATION .....	14.1	21.6	18.6	6.5	6.7	6.5	16.5	14.2	29.2	20.8	24.9
DEPT OF THE TREASURY, TOTAL .....	.4	.5	.4	1.5	2.1	4.1	4.5	4.0	2.9	4.5	6.6
OTHER AGENCIES											
ATOMIC ENERGY COMMISSION .....	149.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RSCH & DEVELOPMENT ADMIN ..	N/A	195.2	280.7	400.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY ..	65.3	86.8	124.3	141.7	197.0	246.7	248.9	231.5	207.8	201.9	150.0
FOUNDATION FOR EDUCATION ASST 2 ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	33.2	26.2	29.1
INTERNAT'L DEV COOPERATION AGENCY ..	N/A	N/A	N/A	N/A	N/A	N/A	66.9	79.7	86.4	101.4	91.5
NAT'L AERONAUTICS & SPACE ADMIN ..	443.6	539.8	625.8	929.6	792.3	865.4	938.4	1,050.5	876.0	809.5	854.5
NATIONAL SCIENCE FOUNDATION .....	71.5	105.0	84.0	72.1	63.4	65.5	66.8	58.4	58.9	48.8	49.6
NUCLEAR REGULATORY COMMISSION ...	N/A	42.3	64.2	88.4	112.3	133.9	148.8	182.7	219.7	215.8	213.5
OFFICE OF ECONOMIC OPPORTUNITY ..	31.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION .....	66.5	75.2	83.3	76.2	83.2	90.5	101.8	103.6	112.7	107.6	113.7
ALL OTHER AGENCIES .....	31.4	33.2	31.4	31.7	36.9	28.8	38.2	38.2	34.0	35.6	49.6

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

\* INDICATES AMOUNT LESS THAN \$50,000.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-122. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY SELECTED AGENCY: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

AGENCY AND SUBDIVISION	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL AGENCIES .....	11,218.7	1,234.9	12,309.1	13,160.3	15,468.9	16,780.5	18,442.7	20,083.0	22,704.6	26,359.1	29,708.9
DEPARTMENTS											
DEPT OF AGRICULTURE, TOTAL .....	12.4	13.6	18.1	20.2	22.9	26.3	31.1	30.2	33.0	32.0	30.7
DEPARTMENT OF COMMERCE, TOTAL 1/ ..	60.4	51.4	71.0	73.1	68.6	90.9	89.9	88.1	3,583.2	3,102.2	2,493.7
DEPARTMENT OF DEFENSE, TOTAL .....	6,968.1	6,986.0	7,581.5	8,127.2	9,247.5	9,729.6	10,492.1	11,719.2	13,907.7	17,719.1	21,193.6
DEPARTMENT OF THE ARMY .....	1,636.5	1,643.4	1,560.4	1,651.3	2,043.9	2,139.1	2,320.1	2,500.7	2,707.7	3,118.7	3,885.7
DEPARTMENT OF THE NAVY .....	2,268.4	2,317.2	2,693.7	2,890.1	3,320.0	3,472.1	3,767.7	4,095.0	4,308.0	5,049.6	5,400.1
DEPARTMENT OF THE AIR FORCE ...	2,932.6	2,874.6	3,157.7	3,344.3	3,605.3	3,813.6	4,033.4	4,673.7	6,351.9	8,763.4	10,698.8
DEFENSE AGENCIES .....	105.6	126.6	145.9	217.5	248.0	276.2	341.7	411.9	499.1	736.6	1,150.6
DIRECTOR OF TEST & EVALUATION :	25.1	24.2	23.9	24.1	30.2	28.6	29.3	37.9	41.1	50.9	58.4
DEPARTMENT OF EDUCATION, TOTAL ..	N/A	N/A	N/A	N/A	N/A	N/A	72.9	51.8	N/A	N/A	N/A
DEPARTMENT OF ENERGY, TOTAL .....	N/A	N/A	N/A	N/A	2,645.0	3,142.6	3,506.9	3,476.4	N/A	N/A	N/A
DEPT OF HLTH, EDUC, & WELFARE, TOTAL .....	393.4	443.4	472.6	432.8	409.0	466.5	N/A	N/A	N/A	N/A	N/A
DEPT OF HLTH & HUMAN SRVCS. TOTAL	N/A	N/A	N/A	N/A	N/A	N/A	489.2	447.4	434.9	413.8	414.5
DEPT OF HOUSING & URBAN DEVELOPMENT, TOTAL .....	39.5	31.0	28.5	30.6	19.4	39.2	44.1	36.4	31.4	21.5	18.6
DEPT OF THE INTERIOR, TOTAL .....	83.6	48.9	69.3	73.7	58.7	75.5	66.3	56.8	57.3	53.6	46.0
DEPARTMENT OF JUSTICE, TOTAL .....	26.2	16.1	25.4	15.5	10.1	15.2	14.1	12.7	7.0	10.8	6.7
DEPARTMENT OF LABOR, TOTAL .....	6.6	6.6	10.1	10.5	10.8	72.1	94.9	101.6	4.0	1.6	.5
DEPARTMENT OF STATE, TOTAL .....	1.6	4.7	5.4	14.2	23.1	36.1	.5	.3	.2	-	-
DEPT OF TRANSPORTATION, TOTAL ...	233.4	308.0	257.7	263.4	302.8	341.8	303.1	278.8	327.0	258.7	293.2
DEPT OF THE TREASURY, TOTAL .....	.6	.7	1.3	2.3	2.7	5.8	4.8	6.3	6.1	5.6	3.4
OTHER AGENCIES											
ATOMIC ENERGY COMMISSION .....	938.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENERGY RSCH & DEVELOPMENT ADMIN ..	N/A	1,024.2	1,453.9	1,717.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A
ENVIRONMENTAL PROTECTION AGENCY ..	106.3	72.9	115.9	103.7	90.2	132.0	151.1	99.9	107.4	100.5	70.1
FOUNDATION FOR EDUCATION ASST 2/ ..	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	51.1	43.4	42.4
INTERNAT'L DEV COOPERATION AGENCY ..	N/A	N/A	N/A	N/A	N/A	N/A	39.6	69.7	47.8	54.4	40.4
NAT'L AERONAUTICS & SPACE ADMIN ..	2,267.0	2,156.5	2,129.3	2,224.0	2,497.3	2,530.2	2,999.8	3,474.4	3,999.4	4,456.5	4,981.2
NATIONAL SCIENCE FOUNDATION .....	15.9	36.2	25.0	13.5	8.7	5.3	7.9	8.1	6.1	-	-
OFFICE OF ECONOMIC OPPORTUNITY ...	55.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VETERANS ADMINISTRATION .....	4.5	6.1	7.7	12.6	14.7	14.6	15.6	15.5	16.7	14.4	15.0
ALL OTHER AGENCIES .....	5.3	28.7	36.4	25.5	37.3	56.5	58.7	109.4	84.4	71.1	58.9

1/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF ENERGY BE REPLACED BY THE ENERGY RESEARCH AND TECHNOLOGY ADMINISTRATION WITHIN THE DEPARTMENT OF COMMERCE.

2/ THE 1983 BUDGET PROPOSED THAT THE DEPARTMENT OF EDUCATION BE REPLACED BY THE FOUNDATION FOR EDUCATION ASSISTANCE.

NOTE: N/A (NOT APPLICABLE) INDICATES THAT THE AGENCY OR AGENCY SUBDIVISION DID NOT EXIST AS SUCH IN THAT YEAR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-123. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY PERFORMER: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

PERFORMER	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL .....	16,800.2	17,410.1	18,038.8	20,779.7	23,983.0	26,387.3	28,977.7	31,680.4	34,917.4	38,954.1	42,973.8
FEDERAL INTRAMURAL 1/.....	4,762.2	4,910.9	5,354.0	5,768.7	6,104.6	6,920.0	7,562.9	7,929.4	8,728.8	9,645.1	10,164.3
INDUSTRIAL FIRMS 2/.....	8,313.6	8,345.2	9,126.9	10,154.1	12,248.1	13,052.4	14,140.6	15,830.0	17,674.5	20,689.2	23,884.5
UNIVERSITIES AND COLLEGES .....	1,916.6	2,214.0	2,411.4	2,551.8	2,908.9	3,377.6	3,894.1	4,276.9	4,477.9	4,583.5	4,720.0
FFRDC'S ADMINISTERED BY											
UNIVERSITIES .....	725.3	789.1	935.1	1,061.1	1,326.8	1,325.6	1,511.0	1,591.6	1,828.5	1,889.8	1,962.8
OTHER NONPROFIT INSTITUTIONS 2/..	761.2	871.5	922.3	939.6	1,068.4	1,320.1	1,404.3	1,575.7	1,645.4	1,602.9	1,723.9
ALL OTHER PERFORMERS .....	321.2	279.4	289.2	304.3	326.2	391.6	464.8	476.7	562.2	543.7	518.3

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

2/ INCLUDES FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDC'S) ADMINISTERED BY THIS SECTOR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-124. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH, BY PERFORMER: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

PERFORMER	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL .....	5,581.4	6,175.2	6,729.7	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	12,595.0	13,264.9
FEDERAL INTRAMURAL 1/.....	2,088.5	2,270.2	2,463.8	2,879.2	2,957.7	3,220.8	3,481.2	3,666.3	4,034.2	4,152.3	4,402.7
INDUSTRIAL FIRMS 2/.....	956.0	972.8	1,145.9	1,279.5	1,559.4	1,886.6	2,006.9	2,388.6	2,309.7	2,392.3	2,545.1
UNIVERSITIES AND COLLEGES .....	1,691.1	1,958.3	2,078.8	2,249.7	2,583.5	2,928.0	3,333.4	3,699.1	3,920.1	3,996.9	4,130.1
FFRDC'S ADMINISTERED BY											
UNIVERSITIES .....	355.2	374.0	425.5	548.3	670.3	714.9	800.6	851.2	940.6	1,019.2	1,107.5
OTHER NONPROFIT INSTITUTIONS 2/..	366.4	464.9	459.5	492.9	567.7	657.8	696.0	750.2	772.9	785.1	814.9
ALL OTHER PERFORMERS .....	124.3	135.1	156.2	169.8	175.5	198.8	216.9	242.1	235.3	249.2	264.4

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

2/ INCLUDES FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDC'S) ADMINISTERED BY THIS SECTOR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-125. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY PERFORMER: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

PERFORMER	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL .....	2,232.0	2,387.7	2,588.4	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,310.8	5,765.2
FEDERAL INTRAMURAL 1/.....	608.1	695.9	733.5	786.0	914.1	1,029.3	1,089.1	1,182.5	1,301.8	1,396.2	1,541.6
INDUSTRIAL FIRMS 2/.....	215.5	155.5	166.4	190.9	261.2	313.1	343.7	395.6	366.2	397.0	471.3
UNIVERSITIES AND COLLEGES .....	1,048.2	1,144.7	1,260.6	1,341.7	1,555.1	1,759.2	2,079.9	2,320.3	2,503.2	2,618.0	2,758.9
FFRDC'S ADMINISTERED BY											
UNIVERSITIES .....	229.0	223.1	257.5	284.9	324.1	356.8	393.6	436.8	490.6	514.2	590.8
OTHER NONPROFIT INSTITUTIONS 2/..	101.9	133.3	142.1	134.4	168.2	198.5	247.0	287.0	321.8	323.9	339.3
ALL OTHER PERFORMERS .....	29.3	35.2	28.3	29.5	36.0	41.7	39.3	52.0	57.7	61.5	63.4

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

2/ INCLUDES FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDC'S) ADMINISTERED BY THIS SECTOR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-126. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY PERFORMER: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

PERFORMER	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL .....	3,349.4	3,787.6	4,141.3	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,284.1	7,499.7
FEDERAL INTRAMURAL 1/.....	1,480.4	1,574.3	1,730.3	2,093.1	2,043.6	2,191.5	2,392.1	2,483.8	2,732.4	2,756.1	2,861.2
INDUSTRIAL FIRMS 2/.....	740.5	817.3	979.6	1,088.8	1,298.2	1,573.4	1,663.2	1,993.0	1,943.5	1,995.3	2,073.7
UNIVERSITIES AND COLLEGES .....	642.9	813.5	818.2	908.0	1,028.4	1,168.8	1,253.5	1,378.8	1,416.9	1,378.9	1,371.3
FFRDCS ADMINISTERED BY											
UNIVERSITIES .....	126.2	150.9	168.0	263.4	346.2	358.1	407.0	414.3	450.0	504.9	516.8
OTHER NONPROFIT INSTITUTIONS 2/..	264.5	331.6	317.4	358.5	399.5	459.2	449.0	463.2	451.1	461.2	475.7
ALL OTHER PERFORMERS' .....	95.0	99.9	127.9	140.2	139.5	157.1	177.6	190.1	177.6	187.8	201.0

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

2/ INCLUDES FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDC'S) ADMINISTERED BY THIS SECTOR.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-127. FEDERAL OBLIGATIONS FOR DEVELOPMENT, BY PERFORMER: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

PERFORMER	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL .....	11,218.7	11,234.9	12,309.1	13,160.3	15,468.9	16,780.5	18,442.7	20,083.0	22,704.6	26,359.1	29,708.9
FEDERAL INTRAMURAL 1/.....	2,673.7	2,640.7	2,890.2	2,889.6	3,147.0	3,699.2	4,081.7	4,263.1	4,694.6	5,492.8	5,761.5
INDUSTRIAL FIRMS 2 .....	7,357.6	7,372.3	7,980.9	8,874.7	10,688.7	11,165.8	12,133.6	13,441.4	15,364.9	18,296.9	21,339.4
UNIVERSITIES AND COLLEGES .....	225.5	255.7	332.7	302.1	325.4	449.6	560.7	577.9	557.8	586.6	589.9
FFRDCS ADMINISTERED BY											
UNIVERSITIES .....	370.1	415.2	509.6	512.8	656.5	610.8	710.4	740.4	887.9	870.6	855.2
OTHER NONPROFIT INSTITUTIONS 2/..	394.8	406.6	462.8	446.7	500.7	662.3	708.4	825.5	872.5	817.8	909.0
ALL OTHER PERFORMERS' .....	196.9	144.4	133.0	134.5	150.7	192.8	247.9	234.7	326.9	294.5	253.9

1/ FEDERAL INTRAMURAL ACTIVITIES COVER COSTS ASSOCIATED WITH THE ADMINISTRATION OF INTRAMURAL AND EXTRAMURAL PROGRAMS BY FEDERAL PERSONNEL AS WELL AS ACTUAL INTRAMURAL PERFORMANCE.

2/ INCLUDES FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS (FFRDC'S) ADMINISTERED BY THIS SECTOR.

SOURCE: NATIONAL SCIENCE FOUNDATION



TABLE C-128. FEDERAL OBLIGATIONS FOR TOTAL RESEARCH, BY FIELD OF SCIENCE: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

FIELD OF SCIENCE	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL FIELDS .....	5,581.4	6,175.2	6,729.7	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	12,595.0	13,264.9
LIFE SCIENCES .....	1,931.1	2,265.1	2,455.2	2,649.7	3,007.7	3,427.1	3,848.3	4,192.3	4,435.6	4,593.0	4,735.0
PSYCHOLOGY .....	109.9	133.4	139.2	144.0	156.2	193.2	197.4	199.0	208.9	214.8	258.0
PHYSICAL SCIENCES .....	981.7	1,016.1	1,096.6	1,258.9	1,530.2	1,645.6	1,792.6	2,000.6	2,220.5	2,510.1	2,846.3
ENVIRONMENTAL SCIENCES .....	580.5	636.3	727.3	769.3	906.0	1,024.6	1,101.0	1,261.0	1,121.1	1,092.8	1,097.7
MATHEMATICS & COMPUTER SCIENCES .....	114.8	114.3	125.3	157.8	195.9	216.3	210.3	240.9	278.9	310.6	356.5
ENGINEERING .....	1,370.6	1,563.7	1,717.8	2,068.7	2,112.9	2,404.6	2,571.6	2,830.1	3,071.5	3,136.9	3,172.3
SOCIAL SCIENCES .....	298.8	292.2	301.8	392.5	426.1	489.5	527.3	523.8	497.4	405.8	397.8
OTHER SCIENCES, NEC .....	194.0	154.1	166.6	178.6	179.1	205.8	286.6	349.6	378.8	331.1	401.3

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-129. FEDERAL OBLIGATIONS FOR BASIC RESEARCH, BY FIELD OF SCIENCE: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

FIELD OF SCIENCE	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL FIELDS .....	2,232.0	2,387.7	2,588.4	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,310.8	5,765.2
LIFE SCIENCES .....	888.4	1,032.2	1,115.9	1,222.0	1,383.4	1,588.4	1,891.8	2,054.4	2,223.8	2,330.0	2,428.3
PSYCHOLOGY .....	45.4	46.1	58.6	45.5	55.7	84.0	75.1	84.2	91.0	92.2	100.0
PHYSICAL SCIENCES .....	628.2	649.6	709.0	721.4	890.0	941.4	1,050.0	1,220.6	1,324.9	1,432.0	1,650.4
ENVIRONMENTAL SCIENCES .....	273.4	291.6	280.8	294.3	387.5	451.3	457.3	522.4	532.8	523.7	559.4
MATHEMATICS & COMPUTER SCIENCES .....	60.1	52.7	62.0	81.8	83.4	97.7	104.2	116.3	140.4	164.9	185.5
ENGINEERING .....	220.8	214.9	262.8	272.8	337.7	376.0	434.7	465.2	526.0	587.9	655.3
SOCIAL SCIENCES .....	80.2	74.8	73.8	86.4	95.5	124.3	129.7	147.2	137.0	121.5	124.3
OTHER SCIENCES, NEC .....	35.6	25.7	25.5	43.1	25.5	35.4	50.0	63.9	65.4	58.6	62.0

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-130. FEDERAL OBLIGATIONS FOR APPLIED RESEARCH, BY FIELD OF SCIENCE: FISCAL YEARS 1973-83

(MILLIONS OF DOLLARS)

FIELD OF SCIENCE	1973	1974	1975	1976	1977	1978	1979	1980	1981	ESTIMATES	
										1982	1983
TOTAL, ALL FIELDS .....	3,349.4	3,787.6	4,141.3	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,284.1	7,499.7
LIFE SCIENCES .....	1,042.7	1,233.0	1,339.3	1,427.7	1,624.4	1,838.7	1,956.5	2,137.9	2,211.6	2,263.1	2,306.7
PSYCHOLOGY .....	64.6	87.3	80.6	98.5	100.5	109.2	122.3	114.8	117.9	122.5	158.0
PHYSICAL SCIENCES .....	353.5	366.5	387.7	537.5	640.2	704.2	742.6	780.0	895.6	1,078.0	1,195.9
ENVIRONMENTAL SCIENCES .....	307.1	344.7	446.5	475.0	518.5	573.3	643.7	738.6	588.2	569.0	538.3
MATHEMATICS & COMPUTER SCIENCES .....	54.7	61.5	63.3	76.0	112.5	118.5	106.1	124.7	138.6	145.6	171.0
ENGINEERING .....	1,149.8	1,348.9	1,454.9	1,795.9	1,775.2	2,028.6	2,137.0	2,364.9	2,545.4	2,549.0	2,516.9
SOCIAL SCIENCES .....	218.6	217.4	228.1	306.0	330.6	365.1	397.6	376.6	360.5	284.3	273.5
OTHER SCIENCES, NEC .....	158.4	128.4	141.0	135.4	153.6	170.4	236.6	285.7	313.5	272.5	339.3

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-131. FEDERAL OBLIGATIONS FOR RESEARCH AND DEVELOPMENT, BY GEOGRAPHIC DIVISION AND STATE: FISCAL YEARS 1970-81

(MILLIONS OF DOLLARS)

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
<b>TOTAL</b> .....	14,980.9	15,239.8	16,261.8	16,486.1	16,990.7	18,542.3	20,247.4	23,373.7	25,619.8	27,916.8	30,477.3	33,726.5
<b>NEW ENGLAND</b> .....	1,000.8	1,145.0	1,259.8	1,264.4	1,561.8	1,650.5	1,716.2	1,963.7	2,231.1	2,685.1	2,814.4	3,196.0
CONNECTICUT .....	160.0	149.9	169.2	193.9	233.7	269.7	239.4	291.8	299.8	328.4	470.3	485.0
MAINE .....	13.3	13.6	16.3	9.6	10.5	11.9	15.6	18.3	25.4	23.1	25.9	24.4
MASSACHUSETTS .....	760.9	883.2	961.2	953.6	1,188.3	1,228.6	1,284.9	1,474.4	1,693.3	2,062.3	2,066.7	2,430.6
NEW HAMPSHIRE .....	27.3	34.0	21.5	30.6	29.3	33.6	34.7	32.6	68.7	94.1	50.2	54.8
RHODE ISLAND .....	29.9	50.5	68.9	59.3	74.9	75.1	101.8	110.1	120.3	140.7	149.9	182.5
VERMONT .....	9.5	13.7	22.8	17.5	25.1	31.6	39.7	36.6	23.7	36.5	51.3	18.7
<b>MIDDLE ATLANTIC</b> .....	2,516.0	2,413.5	2,481.0	2,206.7	2,160.2	2,281.3	2,439.1	2,608.1	2,802.2	3,112.3	3,260.0	3,416.0
NEW JERSEY .....	741.7	745.1	763.1	645.2	473.8	442.0	495.7	566.3	522.5	649.3	729.4	775.4
NEW YORK .....	1,235.6	1,119.5	1,075.6	932.6	1,026.3	1,058.6	1,107.4	1,204.3	1,284.1	1,363.1	1,471.2	1,557.7
PENNSYLVANIA .....	538.8	548.9	642.3	628.8	660.1	780.7	836.0	837.5	995.7	1,099.9	1,059.4	1,082.9
<b>EAST NORTH CENTRAL</b> .....	1,038.8	1,121.7	1,179.6	1,082.8	1,263.8	1,377.3	1,439.5	1,726.3	2,010.4	2,097.8	2,316.2	2,349.3
ILLINOIS .....	239.6	249.1	291.0	287.6	325.4	371.3	414.3	517.2	564.3	547.2	599.9	572.6
INDIANA .....	91.9	74.6	100.5	82.9	95.0	92.8	92.4	102.8	108.1	122.0	162.4	170.1
MICHIGAN .....	162.8	187.3	186.3	153.8	196.6	248.9	222.2	316.6	367.8	264.4	327.5	357.2
OHIO .....	457.3	518.1	521.7	478.8	567.3	585.2	627.8	694.8	858.3	1,053.2	1,054.7	1,117.2
WISCONSIN .....	87.1	92.6	80.1	79.6	79.6	79.2	82.8	94.8	111.9	111.0	121.7	132.2
<b>WEST NORTH CENTRAL</b> .....	475.4	786.0	906.0	830.8	607.4	574.0	681.6	974.8	1,250.7	1,277.8	1,618.5	1,829.6
IOWA .....	32.7	32.9	37.9	38.5	46.5	47.8	48.5	60.1	68.3	84.9	121.7	147.4
KANSAS .....	16.6	24.3	31.3	30.4	29.4	32.8	32.1	36.3	106.6	136.3	353.6	471.0
MINNESOTA .....	109.3	102.8	127.0	120.2	106.9	123.2	153.3	136.5	177.7	202.8	261.6	309.0
MISSOURI .....	291.2	596.9	679.5	608.1	387.0	330.0	404.3	639.6	827.3	778.9	801.6	820.4
NEBRASKA .....	10.6	10.4	11.7	13.4	14.7	20.3	21.4	28.5	33.5	31.3	31.6	31.7
NORTH DAKOTA .....	8.9	9.1	10.5	9.5	10.5	13.0	14.8	19.3	28.3	33.4	38.7	40.1
SOUTH DAKOTA .....	6.1	9.6	8.1	10.7	12.4	6.8	7.3	8.5	9.1	10.2	9.9	10.2
<b>SOUTH ATLANTIC</b> .....	2,899.3	3,228.3	3,560.6	3,706.0	3,752.8	3,993.2	4,228.7	4,879.6	5,288.7	5,726.9	6,430.2	7,238.3
DELAWARE .....	16.3	13.0	17.4	40.8	10.4	10.0	8.0	15.3	11.1	14.4	20.8	25.9
DISTRICT OF COLUMBIA .....	468.5	481.9	462.1	490.0	552.3	580.3	570.3	729.8	792.3	768.4	807.0	932.3
FLORIDA .....	824.8	890.4	1,022.5	952.0	783.2	796.8	788.3	919.2	947.6	1,017.3	1,323.5	1,634.0
GEORGIA .....	72.3	78.8	71.9	66.8	70.9	81.0	92.3	111.2	155.7	184.4	169.8	195.0
MARYLAND .....	1,063.4	1,201.2	1,318.1	1,434.8	1,528.9	1,610.3	1,811.2	2,031.4	2,126.0	2,359.8	2,595.0	2,783.4
NORTH CAROLINA .....	63.9	82.7	83.3	101.7	110.0	116.9	139.1	154.7	192.3	220.9	227.7	259.8
SOUTH CAROLINA .....	17.8	23.4	26.3	23.7	28.8	24.6	30.8	67.2	118.3	114.3	87.5	96.1
VIRGINIA .....	352.8	424.9	529.6	567.9	642.3	726.8	751.5	800.2	872.1	940.3	1,047.1	1,160.5
WEST VIRGINIA .....	19.6	32.1	29.4	28.2	25.9	46.5	37.2	50.6	73.3	107.2	152.0	151.2
<b>EAST SOUTH CENTRAL</b> .....	599.7	618.3	638.9	681.5	726.7	745.6	885.2	1,131.9	1,277.1	1,347.3	1,492.8	1,682.7
ALABAMA .....	357.2	360.0	359.0	376.5	377.4	363.1	374.4	433.7	483.7	559.6	552.7	572.6
KENTUCKY .....	20.4	23.1	32.1	38.1	31.3	35.2	51.0	56.6	62.1	43.0	107.9	101.0
MISSISSIPPI .....	28.3	46.7	60.7	57.5	76.3	57.9	71.6	95.4	87.1	100.7	109.3	125.5
TENNESSEE .....	193.8	188.5	187.1	209.5	241.7	289.4	388.2	546.3	644.3	644.1	722.9	883.6
<b>WEST SOUTH CENTRAL</b> .....	834.9	733.1	798.9	794.0	772.1	874.2	1,021.9	1,127.3	1,389.0	1,454.2	1,585.4	1,691.2
ARKANSAS .....	9.8	20.8	13.2	16.6	14.2	23.3	26.5	24.3	42.4	37.3	30.0	31.2
LOUISIANA .....	146.5	90.1	103.6	91.6	75.7	101.8	126.1	156.5	162.7	209.1	269.8	331.8
OKLAHOMA .....	29.5	26.3	29.1	34.8	29.9	34.5	32.1	48.2	105.0	70.1	94.5	82.4
TEXAS .....	649.1	595.9	653.0	651.0	652.2	714.5	837.2	898.3	1,078.9	1,137.7	1,291.3	1,245.9
<b>MOUNTAIN</b> .....	1,137.7	1,127.4	1,214.4	1,290.6	1,213.0	1,281.0	1,400.4	1,727.3	2,077.9	2,262.7	2,568.2	3,016.4
ARIZONA .....	72.8	88.7	89.9	94.8	99.5	116.3	122.5	142.5	163.4	201.4	334.6	367.7
COLORADO .....	274.1	264.2	369.1	410.8	323.3	267.9	248.6	324.2	393.2	442.2	573.7	632.8
IDAHO .....	75.0	75.3	75.9	81.8	52.2	67.2	72.7	119.8	107.0	147.1	147.7	119.5
MONTANA .....	11.6	17.6	19.0	19.9	13.6	28.4	29.8	47.8	27.5	41.6	45.7	45.4
NEVADA .....	190.9	159.0	140.3	143.1	112.5	150.0	179.7	184.3	196.7	222.1	214.5	263.0
NEW MEXICO .....	445.0	458.7	451.5	462.8	532.0	554.8	626.3	751.4	987.4	955.5	954.2	1,224.1
UTAH .....	61.1	55.8	58.9	66.7	68.7	80.1	101.5	133.2	161.8	211.6	243.9	305.7
WYOMING .....	7.2	8.1	9.9	10.7	11.0	16.3	19.4	24.2	40.8	41.0	53.9	58.2
<b>PACIFIC</b> .....	4,404.1	4,004.9	4,158.2	4,562.2	4,864.3	5,692.5	6,369.4	7,148.2	7,208.1	7,855.6	8,272.8	9,220.8
ALASKA .....	43.2	58.2	46.0	41.8	25.3	36.4	37.6	38.1	48.7	45.9	42.5	51.8
CALIFORNIA .....	3,871.1	3,295.4	3,473.1	3,840.2	4,075.7	4,839.6	5,496.1	6,109.1	6,141.1	6,804.0	7,138.0	7,966.0
HAWAII .....	43.8	38.3	47.4	47.9	53.1	43.0	45.5	36.9	44.6	40.8	42.6	49.9
OREGON .....	33.8	41.9	53.7	64.3	59.9	79.0	84.6	84.9	95.3	100.1	97.9	105.6
WASHINGTON .....	432.2	571.2	537.9	567.9	650.4	694.6	705.6	879.1	878.3	864.8	951.8	1,047.5
<b>OUTLYING AREAS</b> .....	17.3	18.6	18.4	19.7	19.6	28.8	22.4	47.8	38.7	39.4	45.3	38.9
<b>OFFICES ABROAD</b> .....	56.8	42.9	46.1	47.4	49.1	43.9	43.0	38.6	45.9	57.7	73.5	47.2

NOTE: (1) FOR EACH YEAR THE DATA SHOWN INCLUDE THE OBLIGATIONS OF THE 10 OR 11 MAJOR R&D-SUPPORT AGENCIES IN THAT YEAR, AND REPRESENT 97 PERCENT OR MORE OF THE TOTAL FEDERAL R&D OBLIGATIONS IN THAT YEAR.

NOTE: (2) ALTHOUGH THE NON-GEOGRAPHIC HISTORICAL TABLES INCORPORATE CORRECTIONS TO PREVIOUSLY REPORTED DATA THAT HAVE BEEN SUBMITTED BY THE REPORTING AGENCIES, CORRESPONDING CORRECTIONS TO THE GEOGRAPHIC DISTRIBUTIONS ARE RARELY OBTAINABLE.

SOURCE: NATIONAL SCIENCE FOUNDATION

TABLE C-132. FEDERAL OBLIGATIONS FOR R&D PLANT, BY GEOGRAPHIC DIVISION AND STATE:  
FISCAL YEARS 1970-81

(MILLIONS OF DOLLARS)

DIVISION AND STATE	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
TOTAL .....	519.6	586.0	595.6	757.5	749.8	801.0	799.2	1,334.0	1,262.0	1,393.8	1,533.1	1,454.4
NEW ENGLAND .....	15.0	15.7	24.5	15.5	17.7	22.7	22.4	36.1	34.9	58.2	24.1	54.2
CONNECTICUT .....	2.8	1.5	2.7	2.4	5.2	3.8	1.9	3.9	2.3	12.3	1.0	9.2
MAINE .....	.1	-	.4	.4	.2	*	*	.1	.1	.1	*	*
MASSACHUSETTS .....	10.7	9.7	16.1	8.4	9.5	11.0	14.0	24.4	28.7	36.9	20.4	35.7
NEW HAMPSHIRE .....	*	2.0	1.5	.4	1.1	2.9	2.0	2.4	1.3	5.4	*	7.7
RHODE ISLAND .....	1.3	2.1	2.8	4.2	.7	4.9	4.5	5.3	2.4	3.5	2.6	1.6
VERMONT .....	*	.4	1.1	.1	1.0	-	-	-	-	*	-	*
MIDDLE ATLANTIC .....	51.5	55.7	74.1	99.7	101.4	76.8	70.6	133.9	189.3	180.7	187.4	236.1
NEW JERSEY .....	5.6	5.0	14.9	5.3	2.5	11.5	22.1	64.8	96.7	64.8	60.5	55.7
NEW YORK .....	26.7	33.9	21.9	81.8	77.1	46.4	37.5	61.0	63.8	69.4	91.4	85.1
PENNSYLVANIA .....	19.2	16.8	37.3	12.6	21.8	18.9	11.0	8.1	28.8	46.5	35.5	95.2
EAST NORTH CENTRAL .....	119.9	100.1	85.5	129.7	69.7	48.3	66.5	114.6	108.7	96.4	123.3	152.6
ILLINOIS .....	94.7	85.2	68.1	84.3	42.9	29.6	45.2	52.0	72.9	61.9	71.5	74.1
INDIANA .....	.4	.8	.5	.3	.1	.1	.8	.6	.4	.7	.7	.9
MICHIGAN .....	3.8	.9	2.9	4.8	.2	.6	2.0	1.1	1.9	3.0	8.3	9.5
OHIO .....	20.3	10.1	13.0	39.1	19.6	15.1	13.6	60.4	23.9	28.0	40.3	65.2
WISCONSIN .....	.6	3.1	1.0	1.1	6.9	2.9	4.9	.5	9.6	2.9	2.5	3.0
WEST NORTH CENTRAL .....	9.3	10.8	8.1	4.7	26.9	5.8	3.6	3.6	7.6	12.4	53.5	7.1
IOWA .....	1.2	1.5	.8	1.1	.5	.7	1.1	1.5	2.3	2.2	2.9	2.1
KANSAS .....	.1	.2	.1	.2	.1	*	.1	.1	.2	*	.1	.1
MINNESOTA .....	.8	4.1	1.3	.5	23.4	.1	.5	.4	1.2	.8	.3	.5
MISSOURI .....	4.2	2.2	.7	.3	.8	4.1	.5	.9	1.2	5.6	40.9	1.8
NEBRASKA .....	.9	1.2	1.6	1.0	1.5	.4	1.0	.2	.3	.8	2.1	.6
NORTH DAKOTA .....	.1	.1	.5	.1	.2	.4	.5	.6	2.3	1.4	4.1	1.4
SOUTH DAKOTA .....	2.1	1.5	3.1	1.5	.4	-	-	*	.1	1.6	3.1	.7
SOUTH ATLANTIC .....	72.3	77.0	114.1	142.9	140.5	173.7	166.9	358.5	233.4	202.0	181.2	170.3
DELAWARE .....	*	*	*	*	.1	.1	-	*	*	-	.7	1.6
DISTRICT OF COLUMBIA .....	6.4	5.1	9.0	31.5	1.1	7.9	21.4	11.3	11.1	22.0	14.3	31.7
FLORIDA .....	33.2	30.8	47.7	40.1	51.7	96.0	76.3	155.2	81.1	46.0	46.7	25.5
GEORGIA .....	2.0	2.3	1.8	.7	.1	.5	.2	1.2	1.8	1.0	.6	1.6
MARYLAND .....	20.3	29.7	36.1	51.4	60.8	40.1	36.7	80.4	82.7	64.3	53.3	52.3
NORTH CAROLINA .....	3.1	.4	6.0	4.8	4.1	.3	.6	66.8	3.5	3.9	8.2	1.2
SOUTH CAROLINA .....	1.8	1.3	1.2	3.4	7.7	3.8	3.3	2.2	6.9	9.7	3.1	18.8
VIRGINIA .....	3.5	7.0	11.3	7.0	14.0	23.1	11.6	24.7	29.3	42.0	41.5	33.9
WEST VIRGINIA .....	1.9	.4	.9	4.2	.8	1.9	16.7	16.7	17.0	13.1	12.9	3.7
EAST SOUTH CENTRAL .....	16.8	18.3	27.7	55.4	54.7	52.5	76.9	54.7	55.9	65.1	134.7	109.6
ALABAMA .....	1.8	3.9	6.7	5.1	5.6	8.4	12.3	5.3	6.5	2.6	47.9	16.5
KENTUCKY .....	.8	.3	.1	*	.2	-	-	*	*	2.9	*	4.3
MISSISSIPPI .....	.8	.4	.4	13.0	15.2	4.8	4.1	11.5	6.0	3.8	6.6	3.4
TENNESSEE .....	13.4	13.7	20.5	37.4	33.6	39.3	60.5	37.8	43.4	55.8	80.1	85.5
WEST SOUTH CENTRAL .....	9.4	11.7	11.2	11.9	8.2	8.9	11.1	17.2	34.6	27.3	30.8	31.3
ARKANSAS .....	.1	*	.1	.2	.4	.7	.9	2.8	.9	.2	.7	.7
LOUISIANA .....	1.1	5.1	.5	.4	1.6	.3	2.3	3.6	20.9	16.7	12.6	14.1
OKLAHOMA .....	.1	.1	.2	.1	.1	.3	.2	.4	1.0	.6	3.2	2.7
TEXAS .....	8.1	6.5	10.4	11.1	6.1	7.6	7.8	10.4	11.8	9.7	14.2	13.9
MOUNTAIN .....	112.4	102.4	84.1	95.5	86.2	104.9	123.8	195.6	210.2	254.9	284.3	244.9
ARIZONA .....	1.6	1.3	2.3	.5	3.6	1.3	2.7	1.6	33.9	35.3	1.8	.4
COLORADO .....	5.2	8.2	16.2	21.9	7.9	4.9	12.0	12.7	11.6	9.7	35.6	26.9
IDAHO .....	23.0	20.3	5.4	6.3	11.0	16.2	19.7	26.1	35.6	41.8	45.1	11.9
MONTANA .....	*	.5	.1	.1	.1	.3	.1	.8	*	1.2	3.7	.1
NEVADA .....	17.2	16.9	17.5	14.4	9.2	11.7	11.7	14.8	18.5	24.2	22.4	82.9
NEW MEXICO .....	63.6	54.1	41.6	51.8	50.3	68.1	76.6	137.9	101.7	138.6	169.5	119.3
UTAH .....	1.0	.6	1.0	.5	4.1	2.1	.8	1.5	8.0	2.9	1.9	1.5
WYOMING .....	.6	.4	*	.2	*	.3	.2	.3	.9	1.2	4.3	2.0
PACIFIC .....	104.4	178.3	156.3	176.7	243.8	305.9	256.1	417.8	381.9	489.2	509.8	446.2
ALASKA .....	.5	1.4	.7	.5	.1	.9	.8	.6	.7	.8	.1	*
CALIFORNIA .....	85.9	119.8	123.4	128.0	141.1	151.1	147.3	303.3	259.5	400.2	377.4	355.4
HAWAII .....	.5	2.2	.9	.4	.4	6.2	2.8	.5	.7	.5	.2	.7
OREGON .....	2.3	1.2	1.2	.8	.1	1.2	2.0	*	2.6	.9	3.9	1.0
WASHINGTON .....	15.3	53.7	30.2	47.8	102.1	146.5	103.1	113.4	118.3	86.8	128.2	89.0
OUTLYING AREAS .....	3.5	5.2	1.8	1.4	.6	.5	.3	.1	1.7	.5	2.9	.7
OFFICES ABROAD .....	5.3	10.8	8.2	24.1	.2	1.1	1.0	1.9	3.9	7.1	1.1	1.3

\* INDICATES AMOUNT LESS THAN \$50,000.

NOTE: (1) FOR EACH YEAR, THE DATA SHOWN INCLUDE THE OBLIGATIONS OF THE 10 OR 11 MAJOR R&D-PLANT-SUPPORT AGENCIES IN THAT YEAR, AND REPRESENT 97 PERCENT OR MORE OF THE TOTAL FEDERAL R&D PLANT OBLIGATIONS IN THAT YEAR.

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SOURCE: NATIONAL SCIENCE FOUNDATION

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