

ENVIRONMENT, SAFETY AND HEALTH

Appropriations, 1995	\$143,920,000
Budget estimate, 1996	166,759,000
House allowance	128,433,000
Committee recommendation	128,433,000

The Environmental, Safety, and Health Program [ES&H] was established to assure protection of the environment, safety of DOE workers, the public, and DOE property. The ES&H program implements these goals by defining DOE policy, providing guidance and technical assistance, performing safety related research of a generic nature and performing independent overview and assessment.

Much criticism has been heard regarding excessive compliance reviews and audits of field facilities and laboratories. With the reduction in funding resources, the Committee expects the Department to make every effort to coordinate reviews and eliminate excessive oversight by headquarters and field organizations, and to reduce the use of support service contract employees to perform Federal functions.

Radiation Effects Research Foundation.—Over the last few months, the Department has made a number of proposals to alter the institutional arrangements for following up on the health of survivors of the Hiroshima and Nagasaki bombing. Since 1946, the U.S. Government has relied on the National Academy of Sciences to serve as the neutral intermediary for the provision of support and oversight of scientific research on the consequences of the acute radiation exposures suffered by the population of these two cities.

Most of our information on radiation effects to human health comes from this research, and results of such research over the next decade—as individuals who were exposed to radiation as children enter the later years of their life—promises to provide important information on long-term effects of radiation exposure.

The Committee understands that the Department would like to change the current institutional arrangement to provide for more training of radiation epidemiologists, but sees no rationale for altering the current organizational and management relationship with the National Academy.

Accordingly, the Secretary shall keep this relationship intact. This judgment should not be seen as signaling disinterest by the Committee in the training of the next generation of radiation scientists, but as a reflection of the Committee's judgment that the current program of the Radiation Effects Research Foundation Program is sound and not in need of institutional alteration.

ENERGY RESEARCH PROGRAMS

BIOLOGICAL AND ENVIRONMENTAL RESEARCH

Appropriations, 1995	\$444,822,000
Budget estimate, 1996	431,664,000
House allowance	379,645,000
Committee recommendation	428,591,000

This program has two main objectives: (1) to develop the knowledge base necessary to identify, understand, and anticipate the long-term health and environmental consequences of energy use

and development; and (2) to utilize the Department's unique scientific and technological capabilities to solve major scientific problems in medicine and biology.

Within funds available, the Committee has included \$9,461,000, the same as the budget request, for the boron neutron capture therapy program.

The Committee encourages the Department to support research in the development and shared use of high MR instruments for the study of brain function in centers where these research efforts can lead to improved diagnosis and treatment of the mentally ill.

The Committee has provided \$7,000,000 to the Biomedical Research Foundation of northwest Louisiana to create the Center for Biomedical Technology Innovation. The center will serve as a focal point for the ongoing biomedical research and development that is ongoing at many of the national laboratories and for the clinical testing of products that result from that research. It will focus specifically on the development of instrumentation for minimally invasive procedures (including advanced imaging technologies), technologies for individual self care, telemedicine and medical robotics. Priority will be given to those technologies which are most likely to reduce the cost of care. The center will be housed within the Foundation's Biomedical Research Institute, and managed by a consortium organized and led by the Biomedical Research Foundation.

Within available funding, the Committee supports the National Institute for Global Environmental Change.

The Committee is aware of the serious environmental threats facing the Arctic and Bering Sea ecosystem that supports the fishery resources of great importance to the Nation. Accordingly, the Committee strongly supports the atmospheric radiation measurement [ARM] program and the establishment of the third ARM site on the North Slope of Alaska. Within the funds available, the Committee has included \$1,000,000 for this activity which will enhance the monitoring of the Arctic's atmospheric processes.

The Committee has included \$8,500,000 for the continued development of a statewide, high-speed information, education, and data gathering network managed by the Oregon Health Sciences University. Of this amount, \$5,000,000 will be dedicated to enhancing network infrastructure and capabilities at OHSU, with the additional \$3,500,000 for a collaborative effort with the Oregon Graduate Institute to develop and test new delivery technologies that can improve access to critical data and expand multimedia applications in the field.

The Human Genome Program represents one of the most important and ambitious biological research efforts being pursued by the Department of Energy. The human genome contains about 3 billion DNA bases and some 80,000 genes, of which approximately 5,000 genes have already been mapped. Considering the long-term benefits of this research project on human health and the development of new medical applications, the Committee continues its strong support of this program, and has provided the full budget request in its recommendation.

The Committee supports the important work conducted at the Inhalation Toxicology Research Institute, and has included within the funds provided the full budget request for this facility.

The Committee recommendation includes \$50,000,000, the same as the budget request, for the Environmental and Molecular Sciences Laboratory.

FUSION PROGRAM

Appropriations, 1995	\$372,563,000
Budget estimate, 1996	366,045,000
House allowance	229,144,000
Committee recommendation	225,144,000

Due to severe budgetary constraints, the Committee is forced to propose significant reductions in funding for the fusion energy program. The Committee's recommendation of \$225,144,000 is a reduction of \$140,901,000 from the budget request.

Consistent with the direction provided in the conference report to the Energy and Water Development Appropriations bill for fiscal year 1995 (H. Rept. 103-672), the President's Advisory Council on Science and Technology [PCAST] initiated a review and evaluation of the fusion energy program. In that review, which the Committee understands was completed last month, the PCAST panel recommended a stable level of funding of approximately \$320,000,000 per year. A program funded at that level would provide for a core research program, operation of the Tokamak fusion test reactor [TFTR], and continued participation in the ITER project. While the Committee appreciates the efforts of the PCAST panel, the resources to fund such a program are not available.

The Committee provides funding to support a domestic core physics research and development program following the recommendation of the PCAST panel, and to continue the U.S. participation in the engineering design activities phase of the international thermonuclear experimental reactor [ITER] project, to which the United States is committed through fiscal year 1998.

The Committee has been advised that the administration will develop a strategy for restructuring the fusion program at a reduced level of funding using the PCAST panel report as the framework. Pending receipt of the restructured recommendations next year, the funds made available are to provide for the domestic core program in plasma science and fusion technology of about \$180,000,000 per year which includes the continued operation within the core program of the DIII-D device and the Alcator C-MOD device. Funds are also included to continue the EDA phase of ITER. The heavy ion fusion research effort previously under this program is to be continued under the inertial confinement fusion subprogram. In addition, the Committee recommends that the computer work included in this budget be transferred to other programs in the Department during this transition. Termination, severance and separation costs should also be covered under other activities within the Department.

The Committee believes that, because of the stringent budget realities facing this Nation, the promise of fusion energy can only be realized through international collaboration. The high cost of fusion development points to the increasing importance of international

cooperation as a means of designing, building, and financing magnetic fusion facilities in the future. Because the United States has committed to such an approach, it is crucial that a restructuring of the fusion program not undermine our credibility as a reliable international partner.

BASIC ENERGY SCIENCES

Appropriations, 1995	\$747,296,000
Budget estimate, 1996	811,419,000
House allowance	791,661,000
Committee recommendation	791,661,000

The Committee acknowledges the important and essential contributions of the Department in the Nation's basic science and research programs. The collaboration between the national labs and the university community has provided the foundation for scientific breakthroughs and achievements in energy-related research. To continue this progress, the Committee recommendation strongly supports the budget request to enhance the utilization of the Department's fundamental science and user facilities.

A recommendation of \$7,000,000, the same as the House, is included to continue the Department's Experimental Program to Stimulate Competitive Research [EPSCoR] Program at the fiscal year 1995 level.

The Committee continues its strong support for the Department's participation in the domestic natural gas and oil initiative through the advanced computational initiative.

The Midwest Superconductivity Consortium is continued at the fiscal year 1995 funding level of \$3,200,000.

Energy Bioscience Program.—There exists a substantial need to discover and develop the appropriate technology to aid in environmental restoration initiatives. The Committee believes that more basic research must be conducted if the United States is to successfully surmount the numerous environmental cleanup and waste treatment challenges the Nation currently faces. The Committee notes the success the Division of Energy Biosciences has had in support of other energy-related fields, such as energy production, and is encouraged by current research initiatives involving bioremediation. Accordingly, the Committee has included the budget request for this program.

Materials Sciences Program.—The Committee supports an appropriation for \$8,000,000 for research and development and conceptual design activities for a new spallation neutron source. The Committee recognizes that the expertise to develop a new spallation neutron source, including high-power accelerators, neutron targets, materials and instrumentation, resides primarily at Argonne and Los Alamos National Laboratories, based on operation and use of their spallation neutron research facilities over the past 15 years. However, Brookhaven and Oak Ridge National Laboratories are also potential sites due to their neutron expertise developed from their extensive reactor experience. Accordingly, the Committee rejects the House's endorsement of the Oak Ridge National Laboratory as the preferred site for the new spallation neutron source.

The Committee directs the Department of Energy to establish and pursue a competitive site selection process for this proposed facility. The Department is directed to seek formal input from the scientists involved in neutron science to establish a long-range plan which will ensure the revitalization of this discipline over the next decade. Consideration should be given to the most cost-effective improvements of the existing neutron beam facilities at Argonne, Brookhaven, Los Alamos, and Oak Ridge Laboratories, as well as the possibilities for a next-generation accelerator-based source. The Committee directs the Department to report to the Committees on Appropriations no later than December 1, 1995, on its plans to establish a competitive site selection process for the new spallation neutron source.

OTHER ENERGY RESEARCH PROGRAMS

Appropriations, 1995	\$141,493,000
Budget estimate, 1996	125,235,000
House allowance	45,256,000
Committee recommendation	70,256,000

Other energy research programs such as energy research analyses, laboratory technology transfer, advisory and oversight, multi-program energy laboratory support, and policy and management are funded in this section.

Due to funding constraints, the Committee's recommendation for the laboratory technology transfer program is \$25,000,000. The Committee recommends that the Department determine which cooperative research and development agreements [CRADA's] are the most promising, and complete the most promising CRADA's during fiscal year 1996.

Indian Energy Resource Program.—From within funds available in the “Energy supply, research, and development” appropriation, the Committee allowance includes \$15,000,000 to fund and implement Indian energy resource programs authorized under section 2603 of the Energy Policy Act of 1992. Within this amount, the Committee directs that \$6,600,000, the same as the current year, be provided for continued preconstruction activities for the Navajo transmission project, and \$3,000,000 be provided for the Haida Alaska Native Village Corp.'s Reynolds Creek hydroelectric project.

The Committee supports the budget request for the construction projects in the multiprogram energy laboratories program. The capital equipment and general plant projects accounts are merged with the energy research program that is supported by the specific capital items.

To the extent that nonprogram specific general plant projects and general plant equipment are required for the Oak Ridge National Laboratory/Oak Ridge Institute for Science and Education, they are to be funded within the Biological and Environmental Research Program.

ENERGY SUPPORT ACTIVITIES

Appropriations, 1995	\$113,109,000
Budget estimate, 1996	104,810,000
House allowance	12,000,000
Committee recommendation	42,000,000

Due to severe budgetary constraints, the Committee recommends a funding level of \$30,000,000 for the university and science education programs. The Committee has reviewed the Department's efforts in science education and remains strongly committed to the Department's continued participation in science, primarily at the national laboratories. Funding is provided with the understanding that resources will be provided to those laboratories that are the most outstanding performers.

The Committee does not, however, believe that the Department's science education programs are being managed in a holistic manner. Therefore, the Committee directs the Secretary to centralize all the science education programs within the Office of Energy Research where they were located from 1977 to 1993. In that way, the programs will be closely coupled with the Department's research programs.

The Committee directs the Department to make every effort to continue support for innovative partnerships which have been developed with the departmental laboratories and the Nation's historically black colleges and universities and other minority institutions at last year's levels. These partnerships were designed to redress the real and documented need to improve the representation of minorities in our Nation's science and engineering work force. Important steps have been made, but much remains to be done and partnerships such as the Science and Engineering Alliance developed by the Lawrence Livermore National Laboratory with four HBCU's and the PREP awards which have helped many minority institutions improve undergraduate science curricula should be continued and improved.

Also, \$500,000 is provided to continue support for the partnership with Lawrence Livermore and Sandia National Laboratories and institutions of higher education to support the Louisiana systemic initiative which addresses the need to increase representation of minorities and women in science, math technology, engineering, and related disciplines.

Funds should also be made available to continue the important environmental education initiatives and to extend these efforts such as the BATmobile and environmental education program developed by PNL-Hanford to the Lower Mississippi Delta area.

Within available funds, the Committee has provided \$700,000 for the Einstein Fellowship Program as authorized by Public Law 103-382.

Since 1981, the Lawrence Berkeley Laboratory, the Ana G. Mendez University System, and Jackson State University have enjoyed a productive relationship intended to promote minority participation in the sciences and enhance computer science and scientific research at all three institutions. The Committee is encouraged by the success of this effort and directs the Department to maintain and support this program at the fiscal year 1995 level.

In support of its science education mission and activities, the Committee urges the Department to disseminate information in a linguistically and culturally appropriate manner and undertake outreach activities to reach all minority populations that are affected by its operations. For example, the Committee recognizes that Hispanic Americans are the fastest growing minority popu-

lation in the United States, and there are large Hispanic communities adjacent to the Department's major environmental remediation sites at Hanford and Rocky Flats. Currently, however, Hispanics are underrepresented as scientists and technicians both in the Department of Energy and relative to the general population, and currently account for less than 2 percent of all Ph.D graduates in scientific fields critical to the mission of the Department of Energy.

Because the Department operates significant programs adjacent to large Hispanic populations, and employs laborers drawn from Hispanic migrant populations, the Committee urges the Department to undertake a national strategic outreach effort that will encourage U.S. Hispanic citizens to pursue educational and career opportunities in the sciences and new technologies. The Committee emphasizes that such a program must be communicated in a culturally and linguistically appropriate manner. The Committee directs the Department to report on its efforts to establish such an outreach strategy no later than June 1, 1996.

The Committee recognizes and supports the efforts to promote work force and economic development through the close cooperation of Government, tribes, the private sector, professional societies, Federal laboratories, and the academic community. It is recognized in particular that quality education and work force development will be key to social and economic advancement of our native American citizens. The Committee, therefore, supports the partnership for environmental technology education [PETE] tribal college initiative for addressing the long-term needs of native American students, and expects the Department to give priority to implementing such a program.

Within available funds, the Committee has provided \$500,000 to support the Nebraska math and science initiative's effort to partner with the National Renewable Energy Laboratory to support, through the use of electronic technology, rural youth programs to utilize data, and expertise to solve community problems related to energy and environment and investigate career options.

Due to the significant reduction in funding for technology transfer activities throughout the Department, the Committee concurs with the House recommendation and does not include funds for a separate technology partnership organization.

The In-house Energy Management Program has been in existence over 20 years. It appears that energy efficiency is an integral part of the operating philosophy of the Department's facilities; therefore, the Committee agrees with the House and does not see the need for a separate funding source for these alternatives.

ENVIRONMENTAL RESTORATION AND WASTE MANAGEMENT

(NONDEFENSE)

Appropriations, 1995	\$744,041,000
Budget estimate, 1996	712,990,000
House allowance	626,541,000
Committee recommendation	627,606,000

The Environmental Restoration and Waste Management Program funds activities necessary to meet milestones and legal re-

quirements included in compliance agreements, consent orders, and Federal and State statutes and regulations, and provides for implementation of all DOE orders and highest priority discretionary activities including those relating to reducing risk to the environment, safety, and health. The budget request is submitted under two appropriation accounts—"Energy supply, research and development" and the "Defense environmental restoration and waste management" account.

From within available funds, the Committee recommendation is to continue the support of the University Research Program in robotics at \$3,500,000, the same as the House recommendation.

Due to the relationship between corrective activities and waste management, the operating expenses for corrective activities have been combined with waste management. In addition, beginning in fiscal year 1997 all new corrective activities construction projects should be included in the waste management program.

FUNDING ADJUSTMENTS

The Department proposed to use \$79,300,000 of prior year balances to offset current year funding requirements and \$50,000,000 to be achieved by implementing savings recommended by the Galvin task force. The Committee recommendation includes \$73,800,000 of prior year balances, but not the undistributed general reduction. Specific program reductions have been taken which will reflect savings from implementing recommendations of the Galvin task force.

RECOMMENDATION SUMMARY

Details of the Committee's recommendations are included in the table at the end of this title.

URANIUM SUPPLY AND ENRICHMENT ACTIVITIES

GROSS APPROPRIATION

Appropriations, 1995	\$63,310,000
Budget estimate, 1996	42,292,000
House allowance	29,294,000
Committee recommendation	29,294,000

REVENUES

Appropriations, 1995	-\$9,900,000
Budget estimate, 1996	-34,903,000
House allowance	-34,903,000
Committee recommendation	-34,903,000

The Uranium Supply and Enrichment Activities Program funds the Department's efforts in overseeing the Government's continuing interest in the operation of the gaseous diffusion plants managed by the United States Enrichment Corp. [USEC]; developing means for using or disposing of depleted uranium; monitoring Russian uranium processing facilities to ensure that low enriched uranium being purchased by USEC is derived from Russian highly enriched uranium removed from dismantled nuclear weapons; transferring enrichment-related technologies to the private sector; and leading the Department's uranium revitalization efforts.

The budget request for fiscal year 1996 includes \$102,898,000 for operation, maintenance, and construction activities, and is offset by the receipt of \$34,903,000 in revenues and the use of \$25,703,000 from unobligated balances carried over from prior years' funding, resulting in a net budget request of \$42,292,000. Due to severe budget constraints, the Committee agrees with the House by recommending a reduction of \$12,998,000 from the budget request.

SUMMARY RECOMMENDATIONS

Details of the Committee's recommendations are included in the table at the end of this title.

URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND

Appropriations, 1995	\$301,327,000
Budget estimate, 1996	288,807,000
House allowance	278,807,000
Committee recommendation	278,807,000

The uranium enrichment decontamination and decommissioning [D&D] fund supports D&D, remedial actions, waste management, and surveillance and maintenance associated with preexisting conditions at sites leased and operated by the USEC, as well as Department of Energy facilities at these and other uranium enrichment sites. The sites covered by this D&D fund include the operating uranium enrichment facilities at Portsmouth, OH, and Paducah, KY, and the inactive K-25 site in Tennessee, formerly called the Oak Ridge Gaseous Diffusion Plant. Environmental restoration efforts at these three sites are supported from the D&D fund established by a tax on domestic utilities and by congressional appropriations.

Due to severe budget constraints, the Committee agrees with the House recommendation of a reduction of \$10,000,000 from the budget request of \$288,807,000. However, the recommendation includes full funding of \$42,000,000 to implement the reimbursement for disposal of mill tailings in accordance with title X, subtitle A, of the Energy Policy Act of 1992.

The administration proposed legislation to collect fees from foreign utilities similar to the decontamination and decommissioning fund assessment that is being collected from domestic utilities. This proposed language has not been included by the Committee.

GENERAL SCIENCE AND RESEARCH ACTIVITIES

Appropriations, 1995	\$984,031,000
Budget estimate, 1996	1,017,530,000
House allowance	991,000,000
Committee recommendation	971,000,000

The general science and research activities programs are concerned with understanding the nature of matter and energy and the fundamental forces and particles of nature. The knowledge acquired in this basic research is an essential part of the intellectual foundation of other scientific disciplines and technical permits. Deeper understanding correspondingly contributes to all of the scientific disciplines and to our Nation's technological base. The gen-

eral science and research activities programs are organized into two interrelated scientific programs, high-energy physics, and nuclear physics. While these programs are not directly associated with energy technology in the near or midterm, they support basic research whose aim is to provide new knowledge which is expected to have long-term scientific and technological impacts on energy development and utilization and on other aspects of our society.

The Committee's funding recommendation for general science and research activities reflects the continued role of the Federal Government in fundamental scientific research where research is not market driven and is difficult for the private sector to conduct. The Committee strongly supports the budget request for the scientific facilities utilization initiative to enhance and increase the use of fundamental science and user facilities, but due to severe funding constraints, has found it necessary to reduce the overall budget request. It is the Committee's hope that congressional actions such as merging operating and capital funding along with a lessening of departmental internal regulations and oversight reviews will compensate in part for this reduction.

As described in the introductory section of this report, operating and capital funding requests have been merged to permit more effective operation of the research facilities and laboratories. The Committee recommendation reflects redistribution of the capital equipment, general plant projects, and accelerator improvements projects funding to the appropriate program accounts.

Due to budget constraints, the Committee recommendation for high-energy physics is 657,000,000, a \$20,000,000 reduction from the House. The recommendation for nuclear energy physics is \$304,500,000, the same as the House. Funding for program direction has been reduced to \$9,500,000 from the request of \$10,900,000. This is identical to the House recommendation.

SUMMARY RECOMMENDATIONS

Details of the Committee's recommendations are included in the table at the end of this title.

NUCLEAR WASTE DISPOSAL FUND

Appropriations, 1995	\$392,800,000
Budget estimate, 1996	
House allowance	226,599,000
Committee recommendation	151,600,000

The Nuclear Waste Policy Act of 1992 and the Nuclear Waste Policy Act Amendments of 1987 authorize a waste management system for the disposal of spent nuclear fuel and high-level radioactive waste from commercial and atomic energy defense activities. These laws establish the nuclear waste disposal fund to finance disposal activities through the collection of fees from the owners and generators of nuclear waste. The Committee recommends \$151,600,000 to be derived from the fund in fiscal year 1996. Combined with the appropriation to the "Defense nuclear waste disposal" account, a total of \$400,000,000 will be available for program activities in fiscal year 1996. This is \$24,599,000 below the House's total recommendation.

DEPARTMENT OF ENERGY--Continued

[In thousands of dollars]

Project title	Current year enacted	Budget estimate	House allowance	Senate allowance
ENERGY RESEARCH				
Biological and environmental research				
Biological and environmental research R&D.....	366,622	357,019	320,050	358,996
Construction				
GP-E-120 General plant projects.....	3,500	4,450	---	---
94-E-337 Advanced light source structural biology support facility, LBL.....	4,700	2,600	2,600	2,600
94-E-338 Structural biology center, ANL.....	6,700	4,295	4,295	4,295
94-E-339 Human genome lab, LBL.....	15,800	5,700	5,700	5,700
91-EM-100 Environmental & molecular sciences laboratory, PNL, Richland, WA.....	40,000	50,000	40,000	50,000
Subtotal, Construction.....	70,700	67,045	52,595	62,595
Subtotal, Biological & environ. research R&D....	437,322	424,064	372,645	421,591

DEPARTMENT OF ENERGY--Continued

[In thousands of dollars]

Project title	Current year enacted	Budget estimate	House allowance	Senate allowance
BER program direction.....	7,500	7,600	7,000	7,000
Total, Biological and environmental research.....	444,822	431,664	379,645	428,591
Fusion energy.....	370,563	311,945	229,144	225,144
Construction				
GPE-900 General plant projects, var. locations....	2,000	1,000	---	---
96-E-310 Elise project.....	---	3,200	---	---
94-E-200 Tokamak physics experiment, Princeton plasma physics laboratory.....	---	49,900	---	---
Subtotal, Construction.....	2,000	54,100	---	---
Total, Fusion energy.....	372,563	366,045	229,144	225,144
Basic energy sciences				
Materials sciences.....	275,721	348,297	367,400	367,400
Chemical sciences.....	163,513	181,565	198,400	198,400
Applied mathematical sciences.....	109,367	108,688	116,500	116,500
Engineering and geosciences.....	36,837	39,953	41,700	41,700

DEPARTMENT OF ENERGY--Continued

[In thousands of dollars]

Project title	Current year enacted	Budget estimate	House allowance	Senate allowance
Advanced energy projects.....	11,085	12,026	12,300	12,300
Energy biosciences.....	28,957	29,534	30,200	30,200
Program direction.....	9,900	10,000	9,500	9,500
Capital equipment.....	41,537	56,973	---	---
Construction				
GPE-400 General plant projects.....	4,500	6,314	---	---
96-E-305 Accelerator and reactor improvements and modifications, various locations.....	---	12,883	10,475	10,475
95-E-305 Accelerator improvement projects.....	7,500	---	---	---
89-R-402 6-7 GeV syn. radiation source, ANL.....	58,379	3,186	3,186	3,186
87-R-405 Combustion research facility, Phase II, SNL/L.....	---	2,000	2,000	2,000
Subtotal, Construction.....	70,379	24,383	15,661	15,661
Total, Basic energy sciences.....	747,296	811,419	791,661	791,661
Other energy research				
Advanced neutron source.....	21,000	---	---	---

DEPARTMENT OF ENERGY--Continued

[In thousands of dollars]

Project title	Current year enacted	Budget estimate	House allowance	Senate allowance
Energy research analyses.....	3,531	3,463	3,463	3,463
Laboratory technology transfer.....	57,513	58,776	---	25,000
Advisory and oversight.....	12,450	9,780	6,200	6,200
Policy and management.....	2,200	2,200	2,200	2,200
Multiprogram energy labs - facility support				
Multiprogram general purpose facilities.....	6,382	6,382	---	---
Construction				
GPE-801 General plant projects.....	8,740	8,740	---	---
95-E-301 Central heating plant rehabilitation, phase I (ANL).....	1,307	2,500	2,500	2,500
95-E-302 Applied science center, phase I (BNL).....	600	3,270	3,270	3,270
95-E-303 Electrical safety rehab (PNL).....	240	1,500	1,500	1,500
95-E-310 Multiprogram laboratory rehabilitation, phase I (PNL).....	400	2,740	2,740	2,740
94-E-351 Fuel storage and transfer facility upgrade (BNL).....	2,479	440	440	440
94-E-363 Roofing improvements (ORNL).....	3,000	2,038	2,038	2,038

DEPARTMENT OF ENERGY--Continued

[In thousands of dollars]

Project title	Current year enacted	Budget estimate	House allowance	Senate allowance
93-E-313 Electrical system upgrade, phase II (ANL).....	2,043	---	---	---
93-E-325 Potable water system upgrade, phase I (BNL).....	1,863	---	---	---
92-E-322 East canyon electrical safety project (LBL).....	1,000	---	---	---
92-E-324 Safety compliance modifications 326 building (PNL).....	1,900	---	---	---
Subtotal, Construction.....	23,572	21,228	12,488	12,488
Subtotal, Multiprogram gen. purpose facilities	29,954	27,610	12,488	12,488
Environment, safety and health.....	6,507	8,657	6,656	6,656
Construction				
96-E-330 Building electrical service upgrade Phase I, Argonne National Laboratory Argonne, Illinois.....	---	1,200	---	---
96-E-331 Sanitary sewer restoration, Phase I, Lawrence Berkeley Laboratory, Berkeley, CA....	---	2,400	---	---

DEPARTMENT OF ENERGY--Continued

[In thousands of dollars]

Project title	Current year enacted	Budget estimate	House allowance	Senate allowance
96-E-332 Building 801, renovations Brookhaven National Laboratory, Upton, New York.....	---	800	---	---
96-E-333 Multiprogram energy laboratories upgrades, various locations.....	---	---	4,400	4,400
95-E-307 Fire Safety imp. III (ANL).....	210	1,000	1,000	1,000
95-E-308 Sanitary system mods. II (BNL).....	960	1,540	1,540	1,540
95-E-309 Loss prevention upgrades (BNL).....	600	2,480	2,480	2,480
93-E-315 Roof replacement, phase I (BNL).....	100	---	---	---
93-E-317 Life safety code compliance (PNL)....	506	---	---	---
93-E-320 Fire and safety improvements, phase II (ANL).....	1,500	2,411	2,411	2,411
93-E-323 Fire and safety systems upgrade phase I (LBL).....	2,000	1,130	1,130	1,130

DEPARTMENT OF ENERGY--Continued

[In thousands of dollars]

Project title	Current year enacted	Budget estimate	House allowance	Senate allowance
93-E-324 Hazardous materials safeguards, phase I (LBL).....	1,962	1,288	1,288	1,288
Subtotal, Construction.....	7,838	14,249	14,249	14,249
Subtotal, Environment, safety and health.....	14,345	22,906	20,905	20,905
Inactive and surplus facilities.....	500	500	---	---
Subtotal, Multiprogram energy labs - fac. suppor	44,799	51,016	33,393	33,393
Total, Other energy research.....	141,493	125,235	45,256	70,256
TOTAL, ENERGY RESEARCH.....	1,706,174	1,734,363	1,445,706	1,515,652
ENERGY SUPPORT ACTIVITIES				
University and science education programs				
Laboratory cooperative science centers.....	35,846	30,035	---	20,000
University programs.....	17,377	17,377	---	10,000
University reactor fuel assistance.....	3,730	---	---	---

DEPARTMENT OF ENERGY--Continued

[In thousands of dollars]

Project title	Current year enacted	Budget estimate	House allowance	Senate allowance
University research instrumentation.....	5,647	5,647	---	---
Program direction.....	2,844	2,359	---	---
Total, University and science education programs..	85,544	55,418	---	30,000
Technical information management program.....	15,315	15,950	11,000	11,000
Construction.....	1,000	1,500	1,000	1,000
Total, Technical information management program...	16,315	17,450	12,000	12,000
Technology partnership.....	---	3,153	---	---
In-house energy management.....	6,550	15,664	---	---
Construction				
IHE - 500 Modifications for energy mgmt.....	24,700	13,125	---	---
Total, In-house energy management.....	31,250	28,789	---	---
TOTAL, ENERGY SUPPORT ACTIVITIES.....	113,109	104,810	12,000	42,000

DEPARTMENT OF ENERGY--Continued

[In thousands of dollars]

Project title	Current year enacted	Budget estimate	House allowance	Senate allowance
GENERAL SCIENCE AND RESEARCH				
High energy physics				
Physics research.....	139,940	147,155	146,000	136,000
Facility operations.....	333,174	339,457	358,077	348,077
Construction				
GP-E-103 General plant projects, various locations.....	12,146	13,845	---	---
96-G-301 Accelerator improvement projects, various locations.....	---	9,800	---	---
95-G-301 Accelerator improvement projects, VL...	12,515	---	---	---
94-G-304 B-Factory, SLAC.....	44,000	52,000	52,000	52,000
92-G-302 Fermilab main injector, Fermilab.....	43,000	52,000	52,000	52,000
Subtotal, Construction.....	111,661	127,645	104,000	104,000
Subtotal, Facility operations.....	444,835	467,102	462,077	452,077
High energy technology.....	58,190	67,370	68,923	68,923

DEPARTMENT OF ENERGY--Continued

[In thousands of dollars]

Project title	Current year enacted	Budget estimate	House allowance	Senate allowance
Other capital equipment.....	3,925	3,925	---	---
Total, High energy physics.....	646,890	685,552	677,000	657,000
Nuclear physics.....	254,771	239,448	231,925	236,925
Construction				
GP-E-300 General plant projects, various locations.....	3,900	4,785	---	---
96-G-302 Accelerator improvements and modifications, various locations.....	---	4,975	2,575	2,575
95-G-302 Accelerator improvements & mods., VL.....	3,200	---	---	---
91-G-300 Relativistic heavy ion collider, BNL.....	70,000	70,000	70,000	65,000
87-R-203 Continuous electron beam accelerator facility, Newport News, VA.....	1,000	---	---	---
Subtotal, Construction.....	78,100	79,760	72,575	67,575

DEPARTMENT OF ENERGY--Continued

[In thousands of dollars]

Project title	Current year enacted	Budget estimate	House allowance	Senate allowance
Other capital equipment.....	1,870	1,870	---	---
Total, Nuclear physics.....	334,741	321,078	304,500	304,500
General science program direction.....	10,400	10,900	9,500	9,500
Subtotal, General science.....	992,031	1,017,530	991,000	971,000
General reduction.....	-5,000	---	---	---
Procurement reform/GSA rent reduction.....	-3,000	---	---	---
TOTAL, GENERAL SCIENCE AND RESEARCH.....	984,031	1,017,530	991,000	971,000
ATOMIC ENERGY DEFENSE ACTIVITIES				
WEAPONS ACTIVITIES				
Stockpile stewardship				
Core stockpile stewardship.....	960,570	1,015,903	1,028,403	1,128,403