

DEPARTMENT OF ENERGY
FY 1992 CONGRESSIONAL BUDGET REQUEST
ENERGY SUPPLY RESEARCH AND DEVELOPMENT

OVERVIEW

ADVISORY AND OVERSIGHT PROGRAM DIRECTION

This program provides the staffing resources and associated funding required by the Director of Energy Research to carry out his responsibilities under the Department of Energy Organization Act (P.L. 95-91) and as mandated by the Secretary in areas beyond the scope of the other assigned Energy Research programs. It supports the staff in the Office of Field Operations Management, the newly established Office of University and Science Education Programs, Office of Program Analysis, Science and Technology Affairs Staff, Office of Assessment and Support, the newly established Office of the Secretary of Energy Advisory Board (SEAB), and related program and management support staff.

The staff budgeted in this program, except for SEAB staff, support the Director of Energy Research by providing technical assessments, independent peer reviews and program evaluations, and interagency coordination of research assessments. They oversee DOE's multiprogram nonweapons laboratories and develop and implement the institutional planning process, including oversight of work for others and laboratory-directed research and development, and manage the university research science education and manpower development program, the Multiprogram Energy Laboratories - Facilities Support program, and the Laboratory Technology Transfer program in support of DOE goals and missions to promote health and safety and a clean environment, to enhance scientific competitiveness, to contribute to the Nation's energy security, and to improve mathematics and science skills in our Nation's youth. These staff also support the Director of Energy Research in his role as Science Advisor to the Secretary of Energy; support the Lawrence and Fermi Awards process; and perform the ER independent environment, safety and health (ES&H) oversight responsibilities.

This program also provides the staffing resources and associated funding required to support the SEAB. The SEAB is responsible for conducting a series of studies and providing impartial technical expertise to the Office of the Secretary as required for Departmental decisionmaking.

DEPARTMENT OF ENERGY
 FY 1992 CONGRESSIONAL BUDGET REQUEST
 ENERGY SUPPLY, RESEARCH AND DEVELOPMENT
 (dollars in thousands)

SUMMARY OF CHANGES

Advisory and Oversight Program Direction

FY 1991 Enacted Appropriation.....	\$ 4,222
<u>Comparability Adjustments</u>	
- Transfer from other Energy Research programs of 9 FTEs and associated costs related to environment, safety, and health activities.....	+1,145
- Transfer to Superconducting Super Collider Program Direction 2 FTEs and associated costs related to program and management support activities.....	- 175
FY 1992 Base Adjustments	
- Secretary of Energy Advisory Board (SEAB) Costs for 10 FTEs.....	+1,250
- Contractual support for environment, safety, and health activities.....	+2,000
- Pay Cost Increase and other Related Personnel Costs.....	+ 983
FY 1992 Major Program Changes	
Personnel Costs Associated with 7 Additional FTEs, including 4 in the Office of Energy Research and 3 for SEAB.....	<u>+ 675</u>
FY 1992 Congressional Budget Request.....	\$10,100

**DEPARTMENT OF ENERGY
 FY 1992 CONGRESSIONAL BUDGET REQUEST
 ENERGY SUPPLY RESEARCH AND DEVELOPMENT
 (dollars in thousands)**

LEAD TABLE

Advisory and Oversight Program Direction

Activity -----	FY 1990 Enacted -----	FY 1991 Enacted -----	FY 1992 Base -----	FY 1992 Request -----	Program Change Request vs. Base	
					----- Dollar	----- Percent
Energy Oversight, Research Analysis and University Support Advisory and Oversight Program Direction Operating Expenses.....	\$3,326	\$4,222	\$9,425	\$10,100	+ 675	+ 7%
Staffing (FTEs).....	50	60 a/	67	74 b/		

Authorization: Section 209, P.L. 95-91.

a/ Revised request includes ten FTEs for the Office of the Secretary of Energy Advisory Board (SEAB).
 b/ Includes 13 FTEs for SEAB.

DEPARTMENT OF ENERGY
 FY 1992 CONGRESSIONAL BUDGET REQUEST
 ENERGY SUPPLY, RESEARCH AND DEVELOPMENT
 (dollars in thousands)

KEY ACTIVITY SUMMARY

ADVISORY AND OVERSIGHT PROGRAM DIRECTION

I. Preface: Advisory and Oversight Program Direction

This program provides the Federal staffing and associated funding resources required by the Director of Energy Research to carry out his responsibilities under the Department of Energy Organization Act (P.L. 95-91) and as mandated by the Secretary in areas beyond the scope of the other assigned Energy Research programs. It also provides the staffing and associated funding resources required by the Office of the Secretary of Energy Advisory Board.

II. A. Summary Table: Advisory and Oversight Program Direction

Program Activity	FY 1990 Enacted	FY 1991 Enacted	FY 1992 Request	% Change
Advisory and Oversight Program Direction.....	\$ 3,326	\$ 4,222	\$ 8,575	+103
Secretary of Energy Advisory Board.....	0	0	1,525	>999
Total, Advisory and Oversight Program Direction	\$ 3,326	\$ 4,222	\$ 10,100	+139

III. Activity Descriptions: (New BA in thousands of dollars)

Program Activity	FY 1990	FY 1991	FY 1992
Advisory and Oversight Program Direction			
Advisory and Oversight Program Direction	<p>Provided funds for salaries, benefits, and travel to support 50 full-time equivalents (FTEs) in the Office of Field Operations Management, Office of University and Science Education Programs, Office of Program Analysis, Science and Technology Affairs Staff, Office of Assessment and Support, and related program and management support staff. (\$3,236)</p>	<p>Provide funds for salaries, benefits, and travel related to 50 FTEs included in the FY 1991 budget. (\$4,070)</p>	<p>Provide funds for salaries, benefits, and travel related to 61 FTEs. Provide for an increase of 11 FTEs over the FY 1991 budget, including a net transfer to this program of seven FTEs previously funded in other Energy Research programs. Also provide for normal increased personnel costs resulting, for example, from general pay raises and within-grade and merit increases. (\$5,780)</p>
	<p>The Office of Program Analysis provided technical assessments, independent peer reviews and program evaluations in support of DOE's research and development goals and supported increased workload on environmental issues.</p>	<p>Continue to perform technical assessments, independent peer reviews and program evaluations in support of DOE's research and development goals and environmental issues.</p>	<p>Continue to perform technical assessments, independent peer reviews and program evaluations and support environmental issues at the FY 1991 level of effort.</p>
	<p>The Office of Field Operations Management and, subsequently, the newly established Office of University and Science Education Programs supported increased activities related to science education including increased interactions with DOE's adopted school, Woodrow Wilson High School, and increased effort to implement recommendations from the Secretary's Berkeley Math/Science Education Action Conference. Continued support for Laboratory Cooperative Science Centers Program and student/faculty appointments, and support for precollege teacher/student research programs. Provided increased support for solving science education problems. Supported the National Research Council</p>	<p>Continue to support ongoing programs. Support new science education initiatives involving mathematics enrichment, museum-based science education, and graduate support in selected energy-related fields including nuclear engineering. Continue program management in support of the National goal to maintain U.S. competitiveness through education and development of human resources. Continue to support Laboratory Cooperative Science Centers Program, precollege teacher/student research appointments and new initiatives at DOE laboratories targeted at minorities and women and partnerships with other Federal agencies and the private sector. Overview programs to increase</p>	<p>Provide two additional FTEs to support expanded science education initiatives including the development and initiation of collaborative science education activities involving other Federal agencies and private industry. Also manage education outreach efforts, the University and Science Education program, and the expanded education program in support of the initiatives from the Berkeley Math/Science Education Action Conference and the Charlottesville Education Summit Goals for the year 2000. This will include public science literacy programs, science teacher initiatives, museum-based and mathematics education programs. Continue to support the Laboratory Cooperative Science Centers</p>

III. Advisory and Oversight Program Direction (Cont'd):

Program Activity	FY 1990	FY 1991	FY 1992
Advisory and Oversight Program Direction (Cont'd)	<p>(MRC) committee assessment study of the status of U.S. nuclear energy education, including increased laboratory oversight responsibilities.</p> <p>The Office of Field Operations Management continued to develop and implement the laboratory management program. Supported the Director in oversight of DOE's multiprogram nonweapons laboratories. Managed the MEL-FS program, including improved facilities management and expanded oversight of escalating ES&H issues related to facility rehabilitation projects and to ensure compliance with numerous ES&H directives and regulations. Managed the R&D laboratory technology transfer program and supported increased responsibilities, including development of a baseline review of Departmental activities and input for the National Energy Strategy. Managed the institutional planning process which includes the five major ER multiprogram laboratories, five ER single purpose laboratories, and instructions for the four DP multiprogram laboratories. Continued to oversee the laboratory appraisal process and the strengthened work for others policy. Supported the expanded activities related to</p>	<p>precollege and college educational opportunities, particularly for women and minorities. Continue to support interagency meetings related to science education involving NSF, Department of Education, and all major mission agencies.</p> <p>Continue program effort as in FY 1990. Expand institutional planning to all ER laboratories and other DOE laboratories, analyze institutional planning and work for others under current regulations, support the SEAB review of DOE laboratories and their missions and implement the resulting recommendations, and perform special projects. Support increased workload related to improving facilities management Department-wide including ES&H-related activities. Continue to oversee multiprogram nonweapons laboratories in support of energy R&D goals, and manage the MEL-FS program. Continue to oversee multiprogram facilities support through major rehabilitation projects and ES&H-related activities. Continue to support technology transfer from DOE laboratories as part of the National economic competitiveness initiative. Continue to support the quarterly laboratory directors meetings.</p>	<p>Program, and precollege teacher/student research appointments and new initiatives at DOE laboratories targeted at minorities and women with emphasis on partnerships to improve science education in inner-city and rural school systems. Overview programs to increase precollege and college educational opportunities, including women and minorities. Continue interagency liaison on education efforts. Develop and manage new pre-college science education initiatives using state-of-the-art instructional technology.</p> <p>Continue program management at the FY 1991 level of effort. Continue to support contractor oversight, technology transfer, and nondefense facility revitalization. Expand institutional planning to all ER laboratories and make the process an integral part of DOE strategic planning. Support increased workload related to oversight of work for others, laboratory-directed research and development, and appraisals of laboratories. Support increased workload related to implementation of the National Competitiveness Technology Transfer Act of 1989 at ER laboratories, including oversight of laboratories' compliance with fairness of opportunity and conflict of interest standards relating to increased cooperative research and development agreements with the private sector. Continue to manage the MEL-FS program. Continue to support special projects including special crosscuts for the Secretary, and Task Forces involving laboratory management and technology transfer. Support the quarterly</p>

III. Advisory and Oversight Program Direction (Cont'd):

Program Activity	FY 1990	FY 1991	FY 1992
Advisory and Oversight Program Direction (Cont'd)	quarterly meetings with directors of major DOE laboratories.	laboratory directors meetings.	
	The Science and Technology Affairs Staff provided support to the Energy Research Advisory Board (ERAB) and to the Fusion Policy Advisory Committee. Supported the Lawrence and Fermi Awards process, and supported the Director of ER in his role as Science Advisor to the Secretary of Energy.	Continue to support the Director of ER in his science advisory role. Support the Director in expanded R&D planning activities for ER and the Department. Continue to support the Lawrence and Fermi Awards process.	Continue to support the Director of ER as Science Advisor to the Secretary of Energy and in expanded R&D planning at the FY 1991 level of effort.
	The Office of Assessment and Support was established to provide independent environment, safety, and health (ES&H) oversight of ER field operations and support to line management in all areas of ES&H, and in safeguards and security, emergency preparedness, and quality assurance. Provided support for a wide variety of activities in these areas to ensure compliance with ES&H directives and regulations. Designed risk acceptance, NEPA compliance, and ES&H appraisal programs, and initiated appraisals.	Continue to provide a portion of the total staffing requirement for the Office of Assessment and Support to implement oversight and support activities to ensure compliance with applicable ES&H regulations and directives, with particular emphasis on compliance with NEPA and OSHA requirements.	TRANSFER: Nine FTEs were transferred from other ER programs: two FTEs each from Fusion Energy, Basic Energy Sciences, and Biological and Environmental Research in the Energy Supply, R&D appropriation and three FTEs from General Science Program Direction in the General Science and Research appropriation. Provide two additional FTEs to continue to staff the Office of Assessment and Support to allow ER to be responsive to current ES&H directives and regulations. Will help satisfy requirements for ES&H oversight, follow-up on Tiger Team findings, NEPA compliance activities, assertive risk assessment/acceptance effort, and ER program support as appropriate.
	Provided program and management support in the areas of budget and finance, personnel administration, acquisition and assistance, policy review and coordination, and construction management support.	Continue to provide program and management support at the FY 1990 level of effort.	TRANSFER: Continue to provide program and management support as in FY 1990 and FY 1991. However, two FTEs were transferred to the Superconducting Super Collider Program Direction account in the General Science and Research appropriation.

III. Advisory and Oversight Program Direction (Cont'd):

Program Activity	FY 1990	FY 1991	FY 1992
Advisory and Oversight Program Direction (Cont'd)	<p>Provided program support such as printing, small purchases of supplies and materials, timesharing on various information systems and communications networks and contractual support totaling \$253 (using \$163 of prior year unobligated balances). (\$90)</p> <p>\$ 3,326</p>	<p>Continue the variety of program support required in FY 1990. Provide for support costs of Automated Office Support Systems workstations including hotline support, hardware modifications, upgrades, moves, and telecommunications/network support. (\$152)</p> <p>\$ 4,222</p>	<p>Continue the variety of miscellaneous program support required in FY 1990 and FY 1991. In addition, provide \$2,250,000 for contractual support for ES&H oversight and assessment capability, technical reviews and analyses, technical support to the ER programs, and NEPA compliance activities. Provide an additional \$393 primarily for increased ADP support costs. (\$2,795)</p> <p>\$ 8,575</p>
Secretary of Energy Advisory Board	<p>A new Office of the Secretary of Energy Advisory Board was established. Supported establishment and initial meetings of the SEAB.</p> <p>\$ 0</p>	<p>Provide ten additional FTEs to support the SEAB at the level of effort required by the Secretary of Energy for Departmental decisionmaking. Includes support of multiple panels and subpanels on a variety of subjects which are made up of top level executives throughout the country.</p> <p>\$ 0</p>	<p>Provide funds for salaries, benefits and travel related to 13 FTEs to support the SEAB. Ten of these FTEs are also required in FY 1991. The additional three FTEs would support growth of the Board's activity to include international science and technology, and life sciences and health.</p> <p>\$ 1,525</p>
Advisory and Oversight Program Direction	\$ 3,326	\$ 4,222	\$ 10,100

DEPARTMENT OF ENERGY
FY 1992 CONGRESSIONAL BUDGET REQUEST
GENERAL SCIENCE AND RESEARCH

OVERVIEW

GENERAL SCIENCE PROGRAM DIRECTION

This program provides the Federal staffing resources and associated funding to plan, direct, and manage a viable, high quality national program of basic research in the fields of high energy physics and nuclear physics in support of the Nation's goals to support basic scientific research and to maintain U.S. competitiveness. It supports the staff in the Office of the Associate Director for High Energy and Nuclear Physics, the High Energy Physics Division, the Nuclear Physics Division, the Office of Assessment and Support, and associated program and management support staff both in the Headquarters and at various field locations required to administer these programs. During FY 1990, this program also supported a portion of the staff of the Office of Superconducting Super Collider.

The Department of Energy provides over 90 percent of the Federal support, and serves as the Executive Agent, for the Nation's High Energy Physics program. Over 85 percent of the total Federal support of basic nuclear physics research is provided through the Nuclear Physics program. The staff develop program plans and provide for budget justification and execution. They support, plan, and provide for construction, maintenance, and operation of the large facilities on which research in high energy physics and nuclear physics depends. They oversee the operation of large and complex accelerator facilities which are used by qualified physicists throughout the Nation, provide technical oversight of the high energy physics and nuclear physics research programs at 15 major laboratories and well over one hundred universities throughout the Nation, and interact with other Federal agencies. In carrying out these responsibilities, the staff funded by General Science Program Direction assess the basic research needs of these programs with the advice and assistance of the High Energy Physics Advisory Panel (HEPAP) and the DOE/NSF Nuclear Science Advisory Committee (NSAC), participate actively in their meetings, and provide program and administrative support for their operation. The staff work in close cooperation with the Office of Superconducting Super Collider (OSSC), since the SSC is an integral part of the High Energy Physics program.

Beginning in FY 1992, this program also provides program-specific staffing resources at the Chicago, San Francisco, and Oak Ridge Operations Offices to support Energy Research activities carried out by those offices.

The staff also participate extensively in international collaboration and cooperative programs with Japan, W. Germany, CERN Laboratory (Geneva, Switzerland) member countries, China, the Soviet Union, Spain, Italy, and Canada.

DEPARTMENT OF ENERGY
 FY 1992 CONGRESSIONAL BUDGET REQUEST
 GENERAL SCIENCE AND RESEARCH
 (dollars in thousands)

SUMMARY OF CHANGES

General Science Program Direction

FY 1991 Enacted Appropriation.....	\$ 3,950
<u>Comparability Adjustments</u>	
- Transfer of program-dedicated field staff from Departmental Administration.....	+ 1,608
- Transfer of 3 FTEs related to environment, safety, and health activities to Advisory and Oversight Program Direction.....	- 350
FY 1992 Base Adjustments	
Pay Cost Increase.....	+ 750
FY 1992 Major Program Changes	
Personnel costs associated with three additional FTEs in Headquarters and two additional FTEs in the field.....	<u>+ 442</u>
FY 1992 Congressional Budget Request.....	\$ 6,400

DEPARTMENT OF ENERGY
 FY 1992 CONGRESSIONAL BUDGET REQUEST
 GENERAL SCIENCE AND RESEARCH
 (dollars in thousands)

LEAD TABLE

General Science Program Direction

Activity	FY 1990 Enacted	FY 1991 Enacted	FY 1992 Base	FY 1992 Request	Program Change Request vs. Base	
					Dollar	Percent
General Science Program Direction						
Operating Expenses.....	\$3,846	\$3,950	\$5,958	\$6,400	+442	+7%
Staffing (FTEs)						
Headquarters.....	50	46	43	46		
Field.....	0	1	19	21		
Total.....	50	47 a/	62	67		

Authorization: Section 209, P.L. 95-91.

a/ Revised request.

DEPARTMENT OF ENERGY
 FY 1992 CONGRESSIONAL BUDGET REQUEST
 GENERAL SCIENCE AND RESEARCH
 (dollars in thousands)

KEY ACTIVITY SUMMARY

GENERAL SCIENCE PROGRAM DIRECTION

I. Preface: General Science Program Direction

This program provides the Federal staffing resources and associated funding to plan, direct, and manage a viable, high quality National program of basic research in the fields of high energy physics and nuclear physics to ensure U.S. competitiveness in basic research. It supports the staff in the Office of the Associate Director for High Energy and Nuclear Physics, the High Energy Physics Division, the Nuclear Physics Division, the Office of Assessment and Support, and associated program and management support staff both in the Headquarters and at various field locations required to administer these programs. During FY 1990, this program also supported a portion of the staff of the Office of Superconducting Super Collider.

II. A. Summary Table: General Science Program Direction

Program Activity	FY 1990 Enacted	FY 1991 Enacted	FY 1992 Request	% Change
General Science Program Direction.....	\$ 3,846	\$ 3,950	\$ 6,400	+ 62
Total, General Science Program Direction	\$ 3,846	\$ 3,950	\$ 6,400	+ 62

III. Activity Descriptions: (New BA in thousands of dollars)

Program Activity	FY 1990	FY 1991	FY 1992
General Science Program Direction	<p>Provided funds for salaries, benefits, and travel for 50 full-time equivalents (FTEs) in the Office of High Energy and Nuclear Physics, the Office of Superconducting Super Collider (OSSC), the Office of Assessment and Support, and for related program and management support staff. (\$3,655)</p> <p>The High Energy Physics staff provided continued oversight of the High Energy Physics program, excluding primary responsibility for SSC, and of high energy accelerator centers at Brookhaven National Laboratory, Fermilab, and the Stanford Linear Accelerator Center. Provided technical oversight for high energy physics research programs at nine major laboratories, managed more than 100 university research tasks, and provided technical and project management oversight for three major construction projects and three major detectors. Maintained close liaison on SSC program activities. Provided effective DOE oversight of existing facilities, whose utilization increased, particularly the Tevatron and SLC. Advanced accelerator R&D increased to support test-bed exploration of very promising new concepts and to increase productivity of new facilities. Efforts on the two major detectors at SLAC and Fermilab moved into the debug and initial operation phase, and the staff continued to oversee a shared effort</p>	<p>Provide funds for salaries, benefits, and travel for 47 FTEs, including one additional FTE for the Oak Ridge Operations Office above the FY 1991 budget. (\$3,765)</p> <p>Provide continued oversight of the High Energy Physics Program. Continue to oversee compliance with ES&H regulations at large high energy physics facilities and maintain Federal control and oversight of laboratory and contractor activities. Continue close liaison on SSC program activities. Continue to oversee the safe and efficient operation and strong utilization of existing facilities, including the Tevatron and SLC, and research capabilities. Oversee experimental and theoretical research carried out by university based scientists. Continue oversight of test-bed exploration of very promising new advanced accelerator concepts. Maintain foreign liaison for conduct of experiments at foreign accelerators with unique capabilities not available in the U.S. and for oversight of the L3 detector. Oversee continuation of the Fermilab Linac Upgrade Project.</p>	<p>Provide funds for salaries, benefits, and travel for 67 FTEs. Provide for an increase of 21 FTEs over the FY 1991 budget level, including 18 FTEs which were transferred from the Departmental Administration appropriation and one additional FTE also required in FY 1991. Also provide for increased personnel costs resulting, for example, from general pay raises and within-grade and merit increases. One additional FTE is required in the Office of the Associate Director for increased ES&H and other program support. (\$5,950)</p> <p>Provide continued oversight of the High Energy Physics Program. Provide one additional FTE to strengthen ES&H capability to ensure safe and environmentally sound management and operation of the large and complex High Energy Physics facilities. Continue close liaison with SSC program activities. Continue to oversee efficient operation and strong utilization of existing facilities and research capabilities. Oversee experimental and theoretical research carried out by university based scientists and test-bed exploration of very promising new advanced accelerator concepts. Maintain foreign liaison for conduct of experiments at foreign accelerators and for oversight of the L3 detector. Oversee continuation of the Fermilab Linac Upgrade Project.</p>

III. General Science Program Direction (Cont'd):

Program Activity	FY 1990	FY 1991	FY 1992
General Science Program Direction (Cont'd)	with foreign countries on the L3 detector.		
	<p>The Nuclear Physics staff provided continued oversight of the Nuclear Physics program and increased utilization of seven large and complex national accelerator facilities. Provided technical oversight for nuclear physics research programs at 13 major laboratories, managed more than 100 university research tasks, and provided technical and project management oversight for construction and major equipment projects. Managed R&D and monitored increased construction activities related to the Continuous Electron Beam Accelerator Facility (CEBAF), which was at the point of critical decisions in the area of procurement of high technology and experimental equipment. Interacted with DOE, contractor, and other officials on the complex arrangements involved in establishing a new laboratory/accelerator facility. Monitored new detector fabrication activities. Supported theory research which focused on new scientific directions. Managed the Nuclear Data program. Continued planning and R&D for the Relativistic Heavy Ion Collider (RHIC).</p>	<p>Provide continued oversight of the Nuclear Physics program. Continue to oversee compliance with ES&H regulations. Continue to oversee complex accelerator facilities. Support increased R&D and construction activities for CEBAF. Support increased effort for R&D and start of construction of RHIC at BNL to supervise managerial enhancements, maintenance of safety and environmental standards, industrialization of superconducting magnet components, development and fabrication of detectors, and general adherence to cost and schedule baselines. Support R&D at university facilities and optimize research programs at facilities which were recently upgraded. Oversee a significant university user experimental research program, and manage the Nuclear Data program in support of various DOE programs. Continue to support theoretical research which includes beginning a Nuclear Theory Institute for advanced concepts.</p>	<p>Provide continued oversight of the Nuclear Physics program. Provide one additional FTE to strengthen ES&H oversight capability, particularly with regard to construction of CEBAF and RHIC. Continue to oversee complex accelerator facilities and establishment of the CEBAF laboratory. Continue to support establishment of the Nuclear Theory Institute and expand its activities to include broader segments of the community. Support construction of RHIC at an increased level and initiate support for university participation in detector design and fabrication. Support ongoing R&D programs at university facilities and continue to oversee a significant university user experimental research program. Continue to manage the Nuclear Data program.</p>
	<p>TRANSFER: The OSSC-HQ provided program direction and management oversight of the DOE SSC program as well as the non-Federal funding contributions. This program provided partial funding for the OSSC staff, who have since been transferred to the SSC Program Direction account.</p>		

III. General Science Program Direction (Cont'd):

Program Activity	FY 1990	FY 1991	FY 1992
<p>General Science Program Direction (Cont'd)</p>	<p>ER established the Office of Assessment and Support to provide ES&H oversight of ER field operations and support to line management in all areas of ES&H, and in safeguards and security, emergency preparedness, and quality assurance. Provided a portion of the support for a wide variety of activities in these areas, to ensure compliance with ES&H directives and regulations at large accelerator facilities. Designed risk acceptance, NEPA compliance, and ES&H appraisal programs, and initiated appraisals.</p>	<p>Continue to provide a portion of the total staffing requirement for the Office of Assessment and Support to implement oversight and support activities to ensure compliance with applicable ES&H regulations and directives.</p>	<p>TRANSFER: Three FTEs were transferred to the Advisory and Oversight Program Direction account in the Energy Supply, R&D appropriation.</p>
	<p>Provided program and management support in the areas of budget and finance, personnel administration, acquisition and assistance, policy review and coordination and construction management support.</p>	<p>Continue to provide program and management support at the FY 1990 level.</p>	<p>Continue to provide program and management support at the level of effort included in the FY 1991 budget.</p>
		<p>Provide one additional FTE to Oak Ridge Operations Office to support the CEBAF project.</p>	<p>TRANSFER: Provide 10 FTEs to Chicago Operations Office including eight at Batavia Area Office and two to support RHIC. Nine FTEs were transferred from the Departmental Administration appropriation. The additional FTE is required to support RHIC construction activities at Brookhaven.</p>
			<p>TRANSFER: Provide eight FTEs to Oak Ridge Operations Office to support CEBAF. Seven FTEs were transferred from the Departmental Administration appropriation.</p>

III. General Science Program Direction (Cont'd):

Program Activity	FY 1990	FY 1991	FY 1992
General Science Program Direction (Cont'd)	<p>Provided program support such as printing, supplies and materials, advertising and contractual support for the increased environment, safety and health workload, and provided support for Automated Office Support Systems workstations. (\$191)</p>	<p>Continue to provide the variety of program support required in FY 1990. (\$185)</p>	<p>TRANSFER: Provide three FTEs to San Francisco Operations Office for the Stanford Site Office. Two FTEs were transferred from the Departmental Administration appropriation. The additional FTE is to support increased ES&H efforts and provide required clerical services.</p> <p>Provide increased contractual support for the additional staff requested, particularly at the newly added field locations, and for additional professional and administrative services at Headquarters. (\$450)</p>
	\$ 3,846	\$ 3,950	\$ 6,400
General Science Program Direction	\$ 3,846	\$ 3,950	\$ 6,400