

Other Defense Activities Office of Environment, Safety and Health

Overview

Appropriation Summary by Program

(dollars in thousands)

	FY 2003 Comparable Appropriation	FY 2004 Original Appropriation	FY 2004 Adjustments	FY 2004 Comparable Appropriation	FY 2005 Request
Other Defense Activities (EH)					
Environment, Safety & Health	90,304	93,351	+8,662 ^{acd}	102,013	99,105
Program Direction.....	20,077	18,910	-1,057 ^{ad}	17,853	20,414
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Subtotal, Other Defense Activities (EH)	110,381	112,261	+7,605	119,866	119,519
Use of Prior Year Balances	-1,287	0	-500	-500	-15,000
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Total, Other Defense Activities (EH).....	109,094	112,261	+7,105	119,366	104,519
Energy Supply (EH)					
Environment, Safety & Health ...	6,746	7,000	-133 ^{ab}	6,867	10,000
Program Direction.....	15,573	16,000	-303 ^{ab}	15,697	20,474
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Subtotal, Energy Supply (EH)	22,319	23,000	-436	22,564	30,474
General Reduction.....	0	-302	+302	0	0
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Total, Energy Supply	22,319	22,698	-134	22,564	30,474
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Total, Other Defense Activities and Energy Supply (EH).....	131,413	134,959	+6,971	141,930	134,993

^aDistribution of the rescission from the Consolidated (Omnibus) Appropriations Bill for FY 2004.

^bSpread of the Energy Supply \$10 million reduction in the FY 2004 Energy and Water Appropriation Act.

^cAmount includes a comparability reprogramming of \$9,739,886 to the Department's Employee Compensation Program in September 2003 to expedite the processing of applications submitted to DOE under Subtitle D of the Energy Employees Occupational Illness Compensation Program Act (EEOICPA).

^dAmount includes comparability transfer of \$1,475,000 for the transfer of the Defense Nuclear Facilities Safety Board Liaison to the Office of Independent Oversight and Performance Assurance.

Preface

The Office of Environment, Safety and Health (EH) is committed to ensuring that the safety and health of the DOE workforce and members of the public, and the protection of the environment are integrated into all Departmental activities.

Within the Other Defense Activities Appropriation, the Office of Environment, Safety and Health has two programs: Environment, Safety and Health programs (three subprograms) and Program Direction (three subprograms).

This overview will describe Strategic Context, Mission, Benefits and Significant Program Shifts. These items together put this appropriation in perspective.

Strategic Context

Following publication of the Administration's National Energy Policy, the Department developed a Strategic Plan that defines its mission, four strategic goals for accomplishing that mission, and seven general goals to support the strategic goals. As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. The Office of Environment, Safety and Health performs critical functions which directly support the mission of the Department. These functions include:

- Environment – Perform work in compliance with environmental regulations; adopt management systems that integrate environmental considerations into work planning.
- Safety – Operate to industry standards where they are relevant and available and provide regulations for those operations that are unique to DOE; perform at a level equal to or better than private industry.
- Health – Provide appropriate assistance for health issues of our former workers; assure current workers and the public are protected.
- Performance Assessment – Provide environment, safety and health performance measures to focus resources and attention of the Department.
- Price Anderson Enforcement – Carry out the statutory mandate of the Price Anderson Amendment Act of 1988 to enforce compliance with nuclear safety requirements.

Mission

The mission of the Office of Environment, Safety, and Health (EH) is to ensure the DOE performs work in a safe and environmentally compliant manner.

Benefits

DOE works to identify health concerns, investigate health effects from similar operations, integrate new occupational health understanding into DOE operations, and aggressively implement the Energy Employees Occupational Illness Compensation Program Act of 2000. EH leverages its resources and personnel to provide DOE's line management programs with essential environment, safety and health performance expectations: environment, safety and health performance measures and analysis; management tools to promote the safe conduct of work; and guidance for the protection of the environment in and around DOE sites. Integral to the Department's success is EH's skill in fostering increased awareness and providing support to line management throughout the Department, using open communications, coordinating with other industry and governmental organizations, and performance feedback on environmental, safety, and health activities, to provide the safety infrastructure that allows for and promotes the safe and environmentally responsible conduct of work.

Significant Program Shifts

The FY 2005 budget request includes funding for two Other Defense Activities programs that were transferred to EH from the Office of Environmental Management (EM) in FY 2004. These are: (1) the Radiological and Environmental Sciences Laboratory (RESL), and (2) the Analytical Services Program at Idaho. These programs help to ensure that analytical laboratory data and worker radiation exposure and environmental samples are of high quality and reliability. These programs support the quality of data used throughout the Department and are more closely aligned with EH's quality assurance function than EM's mission of accelerated risk reduction and site closure.

**Other Defense Activities
Office of Environment, Safety and Health
Funding by Site by Program**

(dollars in thousands)

	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Chicago Operations Office					
Brookhaven Nat'l Lab					
Health.....	120	120	14,268	+14,148	+11,790%
Employee Compensation Program	0	85	192	+107	+125.9%
Total, Chicago Operations Office	120	205	14,460	+14,255	+6,953.7%
Idaho Operations Office					
Employee Compensation Program	157	320	1,412	+1,092	+341.3%
Health.....	150	150	135	-15	-10.0%
Corporate Safety Program.....	4,073	4,182	4,182	0	0.0%
Total, Idaho Operations Office.....	4,380	4,652	5,729	+1,077	+23.2%
Kansas City Site Office					
Kansas City Plant					
Employee Compensation Program	30	30	0	-30	-100.0%
NNSA Service Center					
Lawrence Berkeley Nat'l Lab					
Health.....	375	375	900	+525	+140.0%
Corporate Safety Program.....	0	100	100	0	0.0%
Total, NNSA Service Center	375	475	1,000	+525	+110.5%
Livermore Site Office					
Lawrence Livermore Nat'l Laboratory					
Health.....	2,550	2,550	1,815	-735	-28.8%

(dollars in thousands)

	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Health.....	2,698	2,698	1,770	-928	-34.4%
Employee Compensation Program	50	160	460	+300	187.5%
Total, Nevada Site Office.....	2,748	2,858	2,230	-628	-22.0%
Oak Ridge Operations Office					
Employee Compensation Program	1,006	1,160	4,396	+3,236	+279.0%
Health.....	0	0	15	+15	>.999%
Oak Ridge Nat'l Laboratory					
Employee Compensation Program	175	175	175	0	0.0%
Health.....	827	827	6,247	+5,420	+655.4%
Oak Ridge Institute for Science and Education					
Health.....	6,410	6,410	1,500	-4,910	-76.6%
Y-12 National Security Complex					
Employee Compensation Program	500	500	500	0	0.0%
Health.....	25	25	0	-25	-100.0%
Corporate Safety Program.....	0	750	780	+30	+4.0%
Total, Oak Ridge Operations Office...	8,943	9,847	13,613	+3,766	+38.2%
Ohio Field Office					
Health.....	75	75	40	-35	-46.7%
Employee Compensation Program	15	80	160	+80	+100.0%
Total, Ohio Field Office	90	155	200	+45	+29.0%
Pantex Site Office					
Employee Compensation Program	200	150	700	+550	+366.7%
Health.....	60	60	0	-60	-100.0%
Total, Pantex Site Office.....	260	210	700	+490	+233.3%

Other Defense Activities/
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(dollars in thousands)

	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Richland Operations Office					
Pacific Northwest Nat'l Laboratory					
Employee Compensation Program	740	100	2,240	+2,140	+2,140.0%
Health.....	751	1,446	1,778	+332	+23.0%
Total, Richland Operations Office.....	1,491	1,546	4,018	+2,472	+160.0%
Rocky Flats Field Office					
Employee Compensation Program	50	320	1,382	+1,062	+331.9%
Sandia Site Office					
Sandia National Laboratory					
Employee Compensation Program	50	50	550	+500	+1,000.0%
Health.....	150	150	90	-60	-40.0%
Total, Sandia Site Office.....	200	200	640	+440	+220.0%
Savannah River Operations Office					
Savannah River Site and Technology Center					
Employee Compensation Program	1,050	1,160	4,100	+2,940	+253.4%
Corporate Safety Program.....	200	200	200	0	0.0%
Health.....	110	110	0	-110	-100.0%
Total, Savannah River Operations Office.....	1,360	1,470	4,300	+2,830	+192.5%
Washington Headquarters					
Employee Compensation Program	11,622	20,656	26,733	+6,077	+29.4%
Health.....	49,250	52,339	16,664	-35,675	-68.2%
Corporate Safety Program.....	6,830	3,882	5,621	+1,739	+44.8%
Program Direction.....	20,077	17,853	20,414	+2,561	+14.3%
Total, Washington Headquarters.....	87,784	95,348	65,432	-29,916	-31.4%

**Other Defense Activities/
Environment, Safety and Health/
Funding Site**

FY 2005 Congressional Budget

(dollars in thousands)

	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Subtotal, Environment, Safety and Health.....	110,381	119,866	119,519	-347	-0.3%
Use of Prior Year Balances	-1,287	-500	-15,000	-14,500	-2,900.0%
Total, Other Defense Activities (EH)..	109,094	119,366	104,519	-14,847	-12.4%

Site Description

Chicago Operations Office

Chicago Operations Office, Chicago, Illinois, is responsible for overseeing the operation of contractor-operated, multi-program laboratories such as Argonne National Laboratory and Brookhaven National Laboratory.

Brookhaven National Laboratory

Brookhaven National Laboratory (BNL) is located in Upton, New York, on Long Island. As a non-defense research institution, BNL is dedicated to basic and applied investigation in a multitude of scientific disciplines. BNL also provides specialized subject matter technical expertise in conducting reviews of safety analysis and risk assessment documents such as Environmental Assessments (EA), Environmental Impact Statements (EIS) Safety Analysis Reports (SARs), and Basis for Interim Operations (BIO). BNL provides specialized technical expertise input to be used by the Federal staff to develop rules, orders, safety guides, and standards. These documents may include SARs, technical safety requirements, waste disposal standards, fire protection standards, lightning and wind protection standards, and facility operation.

Health

Provides technical support to the Office of Health through collection and transmission of worker health, exposure, and demographic data.

Employee Compensation Program

This site researches and provides employee employment, medical and exposure records in accordance with Public Law 106-398 “Energy Employees Occupational Illness Compensation Program Act of 2000”.

Idaho Operations Office

Idaho Operations Office, Idaho Falls, Idaho, executes a multi-program mission, and leverages the Idaho National Laboratory’s expertise with emerging technology to meet the Nation’s needs. The Radiological and Environmental Sciences Laboratory, which administers the DOE Worker Dosimetry Laboratory Accreditation Program, administratively reports to the Idaho Operations Office.

Employee Compensation Program

This site researches and provides employee employment, medical and exposure records in accordance with Public Law 106-398 “Energy Employees Occupational Illness Compensation Program Act of 2000”.

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Health

Provide technical support to the Office of Health through collection and transmission of worker health, exposure, and demographic data.

Corporate Safety Program

This site conducts DOE-wide performance evaluation and accreditation programs, provides technical support and measurement quality assurance methodologies to strengthen programs. These programs provide for technically and legally defensible results of such measurements.

Kansas City Site Office

The Kansas City Site Office provides liaison between the National Nuclear Security Administration service center and the site contractor.

Kansas City Plant

This facility produces or procures non-nuclear electronics, electromechanical, mechanical, plastic, and non-fissionable metal components for DOE's National Defense mission.

Employee Compensation Program

This site researches and provides employee employment, medical and exposure records in accordance with Public Law 106-398 "Energy Employees Occupation Illness Compensation Act of 2000".

National Nuclear Security Administration Service Center

This site provides liaison between the National Nuclear Security Administration service center and the site contractor.

Lawrence Berkeley Laboratory

Lawrence Berkeley Laboratory, Berkeley, California, pursues basic and applied research that advances the frontiers of science and solves a broad spectrum of national problems. It is a multi-program laboratory that serves the Nation's needs in technologies and environment, safety and health activities.

Health

Provide continuous public access to an organized, well-documented, retrievable collection of DOE health effects information.

Corporate Safety Program

This site ensures that environmental analytical laboratory data is of high quality and reliability and assures that analytical data is technically and defensible. The program conducts a consolidated audit program that includes DOE on-site laboratories to demonstration fair and equitable selection and treatment among laboratories selected for environmental analytical service contracts.

Livermore Site Office

The Livermore Site Office coordinates between the National Nuclear Security Administration service center and the site contractor.

Lawrence Livermore National Laboratory

Lawrence Livermore National Laboratory, (LLNL), located in California's Tri-Valley region east of San Francisco, supports the Marshall Islands program by providing environmental sampling and analysis to determine the radiological conditions at the affected atolls and performs epidemiological site surveillance. LLNL provides software quality assurance expertise support to maintain the code registry that is important for nuclear safety analysis throughout the complex.

Health

Lawrence Livermore participates in the Epidemiologic Surveillance program through the collection and transmission of worker health and demographic data.

Nevada Site Office

The Nevada Test Site implements DOE initiatives in stockpile stewardship, crisis management, waste management, environment, safety, and health management and programs, as well as supporting other DOE programs.

Health

Provide technical support to the Office of Health through collection and transmission of worker health, exposure, and demographic data.

Employees Compensation Program

This site researches and provides employee employment, medical and exposure records in accordance with Public Law 106-398 “Energy Employees Occupational Illness Compensation Program Act of 2000”.

Oak Ridge Operations Office

Oak Ridge Operations Office, Oak Ridge, Tennessee, is responsible for research and development, defense programs, environmental management, and environment, safety, and health activities. There are three major plant complexes on the Oak Ridge Reservation: Oak Ridge National Laboratory; Y-12 Plant; and the East Tennessee Technology Park, as well as the Oak Ridge Institute for Science and Education and the American Museum of Science and Energy.

Employee Compensation Program

The Oak Ridge Operations Office, as well as the contractors operating the DOE facilities there, research and provide employee employment, medical and exposure records in accordance with Public Law 106-398 “Energy Employees Occupational Illness Compensation Program Act of 2000.”

Health

Provide technical support to the Office of Health through collection and transmission of worker health, exposure, and demographic data.

Oak Ridge National Laboratory

Oak Ridge National Laboratory (ORNL), Roane County, Tennessee, is a multi-program science and technology laboratory. Scientists and engineers at the laboratory provide specialized technical expertise in environment, safety, and health activities; and restoration and protection of the environment. The laboratory provides specialized technical expertise in the development of risk-based, integrated worker safety programs through the development of input and resource information for various technical standards and guides.

Employee Compensation Program

The Oak Ridge National Laboratory, as well as the contractors operating the DOE facilities there, research and provide employee employment, medical and exposure records in accordance with Public Law 106-398 “Energy Employees Occupational Illness Compensation Program Act of 2000.”

Health

ORNL provides services and products that support the development, implementation, and maintenance of DOE former worker studies, international health studies, design and development of descriptive epidemiologic review of defined health data, and the development of effective health communications

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systems. Activities include the review of DOE epidemiologic data, the preparation of the annual reports to address future epidemiologic needs and priorities, the preparation of the quarterly status reports, and other assistance as necessary to support activities of the Office of Health. Provides support in the administration, training, materials, and follow-up services for the Office of Health activities including conference, workshops, and training materials.

Oak Ridge Associated Universities (ORISE)

Screening and medical examinations for former employees who are at risk for chronic beryllium disease due to their work at DOE and analysis of the data obtained on these individuals; provide technical support to the Office of Health in the areas of data management, quality assurance, analysis, report preparation, and program implementation at sites; Provides support in the administration, training, materials and follow-up services for the Office of Health activities including conferences, workshops, and training materials.

Health

Provide technical support to the Office of Health through collection and transmission of worker health, exposure, and demographic data.

Y-12 National Security Complex

The Y-12 mission includes weapons component disassembly, Special Nuclear Material storage, maintenance of technical capability for weapons development and production, and non-proliferation and arms control, and technology transfer.

Employee Compensation Program

This site researches and provides employee employment, medical and exposure records in accordance with Public Law 106-398 "Energy Employees Occupational Illness Compensation Program Act of 2000".

Health

Provide technical support to the Office of Health through collection and transmission of worker health, exposure, and demographic data.

Corporate Safety Program

This site ensures that environmental analytical laboratory data is of high quality and reliability and assures that analytical data is technically and legally defensible. The program conducts a consolidated audit program that includes DOE on-site laboratories to demonstrate fair and equitable selection and treatment among laboratories selected for environmental analytical services contracts.

Ohio Field Office

The Department of Energy's Ohio Field Office includes five sites, four in Ohio and one in New York. Its primary mission includes overseeing the five project offices responsible for environmental restoration, waste management, and nuclear material and facility stabilization.

Health

The Fernald site participates in the Office of health programs and provides access to site records and information for use in occupational and public health studies being performed by the Department of Health and Human Services under their Memorandum of Understanding with DOE.

Employee Compensation Program

This site researches and provides employee employment, medical and exposure records in accordance with Public Law 106-398 "Energy Employees Occupational Illness Compensation Program Act of 2000."

Pantex Site Office

The Pantex Site Office coordinates between the National Nuclear Security Administration service center and the site contractor.

Employee Compensation Program

This site researches and provides employee employment, medical and exposure records in accordance with Public Law 106-398 "Energy Employees Occupational Illness Compensation Program Act of 2000".

Health

Provide technical support to the Office of Health through collection and transmission of worker health, exposure, and demographic data.

Richland Operations Office

Richland Operations Office, Richland, Washington, manages waste products; develops, applies, and commercializes technologies; manages environment, safety, and health activities; and supports cleanup and environmental restoration at the Hanford site.

Pacific Northwest National Laboratory

Pacific Northwest National Laboratory (PNNL), Richland, Washington, develops and delivers new and effective environment, safety, and health technologies. PNNL provides technical support in preparing policies, procedures, and guides, as well as developing materials that address the process and protocols that are used for program implementation, planning, analysis of evaluation results and trends, and compilation of policy issues related to the evaluations. PNNL provides technical support for recurring safety management evaluations, as well as site profile development, accident investigations, and other special studies and reviews. PNNL also assists in tracking and trending corrective actions, developing and disseminating lessons learned, and tracking issues related to the program for follow-up and analysis. PNNL provides support to the international health studies program.

Employee Compensation Program

Richland and contractors operating the Hanford Site research and provide employee employment, medical and exposure records in accordance with Public Law 106-398 “Energy Employees Occupational Illness Compensation Program Act of 2000.”

Health

Facilitate access to cumulative dosimetry data and information resulting from studies of historical releases of contaminants that traveled off site from DOE facilities (environmental dose reconstructions). Participates in collection and transmission of worker health, exposure, and demographic data.

Rocky Flats Field Office

Rocky Flats is a former nuclear weapons facility located approximately 16 miles northwest of Denver, Colorado. Rocky Flats no longer has a production mission. Its mission now is to clean up its nuclear and chemical contamination while decommissioning the site.

Employee Compensation Program

Researches and provides employee employment, medical and exposure records in accordance with Public Law 106-398 “Energy Employees Occupational Illness Compensation Program Act of 2000”.

Sandia Site Office

The Sandia Site Office coordinates between the National Nuclear Security Administration service center and the site contractor.

Sandia National Laboratories

Sandia National Laboratories' main laboratory is located on Kirtland Air Force Base in Albuquerque, New Mexico. Sandia provides specialized technical expertise in the evaluation of long-term dry storage of K-Basin Spent Nuclear Fuel, taking into account the associated physical and chemical changes. Sandia also provides specialized technical expertise in the development of software for radiological hazard analyses at DOE facilities.

Employee Compensation Program

This site researches and provides employee employment, medical and exposure records in accordance with Public Law 106-398 "Energy Employees Occupational Illness Compensation Program Act of 2000".

Health

Provide technical support to the Office of Health through collection and transmission of worker health, exposure, and demographic data.

Savannah River Operations Office

Savannah River Operations Office, Aiken, South Carolina, serves national interest by ensuring that programs, operations, and resources at the Savannah River Site are managed in a safe, open, and cost-effective manner to: support current and future national security requirements and conduct mission-supportive research. Savannah River Operations and the contractors operating the Savannah River Site support the Office of Health, provide access to site records and information for use in occupational and public-health related studies being performed by the Department of Health and Human Service under their Memorandum of Understanding with DOE.

Savannah River Site and Technical Center

This facility supports the DOE's National Security mission in the area of SNM production.

Employee Compensation Program

Provides employee employment, medical and exposure records in accordance with Public Law 106-398 "Energy Employees Occupational Illness Compensation Program Act of 2000".

Corporate Safety Program

This site ensures that effective safety policies and procedures guide the operations of DOE facilities.

Health

Provide technical support to the Office of Health through collection and transmission of worker health, exposure, and demographic data.

Washington Headquarters

Employee Compensation Program

This site researches and provides employee employment, medical and exposure records in accordance with Public Law 106-398 “Energy Employees Occupational Illness Compensation Program Act of 2000”.

Health

Under a memorandum of Understanding, the Department of Health and Human Services provides support to DOE in health studies of DOE workers and communities around DOE sites. Wire payments are made to various agencies and institutions of the Former Soviet Union.

Corporate Safety Program

This site ensures that effective safety policies and procedures guide the operation of DOE facilities.

Environment, Safety and Health Programs

Funding Profile by Subprogram

(dollars in thousands)

	FY 2003 Comparable Appropriation	FY 2004 Original Appropriation	FY 2004 Adjustment	FY 2004 Comparable Appropriation	FY 2005 Request
Environment, Safety and Health Programs					
Corporate Safety Program ...	11,103	9,616	-584	9,032	10,883
Health	50,051	67,735	-400	67,335	45,222
Employee Compensation Program	15,650	16,000	+9,646	25,646	43,000
Subtotal, Environment, Safety and Health	90,304	93,351	+8,662	102,013	99,105
Use of Prior Year Balances	-1,287	0	-500	-500	-15,000
Total, Environment, Safety and Health.....	89,017	93,351	+8,162	101,513	84,105

Public Law Authorizations:

- Public Law 83-703, "Atomic Energy Act of 1954", as amended
- Public Law 100-408, Price-Anderson Amendments Act of 1995"
- Public Law 106-398, Energy Employees Occupational Illness Compensation Program Act of 2000"
- Public Law 103-337, National Defense Authorization Act of 1995
- Public Law 99-239, Compact of Free Association Act of 1985"
- Public Law 95-134, Marshall Islands (Related to Rongelap and Utirik Atolls)
- Public Law 96-205, Trust Territory of the Pacific Islands"
- Public Law 95-91, "Department of Energy Organization Act"
- Public Law 103-62, "Government Performance and Results Act of 1993"
- 42 U.S.C. Section 7274 "Program to Monitor DOE Workers Exposed to Hazardous and Radioactive Substances"

Mission

The mission of the Office of Environment, Safety and Health (EH) is to provide leadership and Departmental direction through line programs to protect the workers, the public, and the environment.

Benefits

Within the Other Defense Activities appropriation, EH plays a key role in achieving the Department's mission. A commitment to excellence is achieved by continuously striving for improvement through: developing meaningful programs and policies; enforcing a nuclear safety regulatory program; conducting reviews of environment, safety, and health performance; providing technical services, and information sharing; and ensuring quality assurance programs, including policies and standards, are in place and functioning properly across the Department. Open communication, participation, and performance feedback on EH activities from affected parties are integral to EH's success. The hallmark and highest priority of all EH activities is daily excellence in the protection of workers, the public, and the environment. The EH Other Defense Activities are concentrated into the following activities within one decision unit: Corporate Safety Program, Health Studies, Employee Compensation, and a Program Direction decision unit.

Detailed Justification

(dollars in thousands)

FY 2003	FY 2004	FY 2005
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Corporate Safety Programs	11,103	9,032	10,883
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The Corporate Safety Programs serve a crosscutting safety function for the Department and its stakeholders in assessing, facilitating, achieving and assuring excellence and continuous improvement in safety management and performance in the conduct of its missions and activities. Several individual programs are a part of Corporate Safety Programs.

The Performance Assessment Program provides analysis and certification of DOE's performance in protecting the public, workers, and the environment by synthesizing operational information to support decision-making and continuous ES&H improvement across the DOE complex. This program supports the setting of ES&H performance expectations through contracts and performance measurements and implements a lessons learned program.

Sharing information is an important service provided by EH. The Web-Based Information Management Program provides web-based information technology support for both web pages and web-based database systems. These systems will be re-engineered for efficiency by consolidating existing databases and utilizing the latest technological capabilities to distribute information, including health studies communications management capability and web-based health studies status.

The Quality Assurance Program was created in FY 2003 to provide quality assurance information, corporate policy and guidance, and certification to support DOE accomplishing its mission. This program establishes requirements and policies to support existing activities such as High Efficient Particulate Air (HEPA) filter testing, central registry for safety related computer software, and the DOE Self-Assessment Certification Program.

The Radiological and Environmental Science Laboratory (RESL) is a reference laboratory that conducts performance evaluation and accreditation, provides technical support and measurement, and quality assurance methodologies to programs such as the DOE Laboratory Accreditation Program, the Mixed Analyte Performance Evaluation Program, and other analytical chemistry services. The responsibility to operate RESL, located at the Idaho National Laboratory, was transferred from EM to EH in FY 2004.

The Analytical Services Program ensures that environmental analytical laboratory data is of high quality and reliability and assures that analytical data is technically and legally defensible. The program supports EH's small scale information investments to meet the increasing needs for the Environmental Management Consolidated Audit Program for auditing commercial laboratories.

To address immediate ES&H issues in the Department, the Facility Safety Program performs appraisals including accident investigations, facility authorizations bases, and safety allegations. Special safety reviews are conducted for nuclear hazards, criticality safety, seismic analysis, fire protection, emergency operations, facility design, and the startup and restart of facilities.

The EH Enforcement program carries out the statutory mandate of the Price-Anderson Amendments Act (PAAA) of 1988 to enforce compliance with Code of Federal Regulations nuclear safety requirements at DOE sites and enforcement of the Worker Occupational Safety and Health Rule.

(dollars in thousands)

FY 2003	FY 2004	FY 2005
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Health..... **63,551** **67,335** **45,222**

The Health mission is to establish and enhance the scientific bases for standards that provide levels of protection appropriate to the risk of the hazards present at DOE sites and is comprised of four major areas: Occupational Health (corporate occupational medicine policy); Public Health (community based health studies); Epidemiologic Studies (analysis and communication of worker injury and illness information); and International Health Studies. There are several programs within the Occupational Health Program. The Worker Surveillance program provides targeted medical screening to former worker of DOE’s defense nuclear complex. This surveillance program has three components: 1) the Former Worker Medical Screening Program offers occupational medical screening for former workers at selected DOE sites, 2) the Former Beryllium Worker Surveillance Program offers an opportunity for former workers to participate in the beryllium worker medical surveillance program, and 3) the Rocky Flats former Worker Program provides medical monitoring, on a 3-year repeating cycle, for the cohort of radiation workers at Rocky Flats to help determine the health status of these workers and understand the health consequences of exposure to increased levels of ionizing radiation.

The Integrated DOE Occupational Medicine Program provides DOE with standards, policy, and corporate resources to efficiently delivery quality occupational medical services. In FY 2005, DOE will implement occupational medicine model contract language to ensure adequate and integrated occupation health programs at all DOE sites.

The Radiation Emergency Accident Center/Training Site (REAC/TS) maintains the capability to provide rapid response medical expertise and training to address radiological accidents. In FY 2004, REAC/TS will develop telemedicine capabilities in Oak Ridge for emergency response coordination and expand its training programs. In FY 2005, REAC/TS will investigate its ability to reestablish capability to conduct cytogenetic studies in response to a radiological incident.

The Public Health Programs support independent energy-related epidemiologic studies relevant to DOE workers and neighboring communities by the National Institute for Occupational Safety and Health, the National Center for Environmental Health, and the Agency for Toxic Substances and Disease Registry. These studies inform the DOE and stakeholders of any adverse health impacts that DOE operations may have had on DOE workers and the public.

Epidemiologic Studies collect both medical and exposure data information to expand understanding of health effects of radiation, chemical, and other hazards to current DOE workers and the public. The Epidemiologic Surveillance program assures the conduct of descriptive epidemiologic studies to assess the health implications or worker exposure to hazardous materials within the DOE complex. The U.S. Transuranium Registries assure the accurate determination of worker radiation exposures through the collection and analysis of organs and tissues of deceased workers with internal quantities of transuranic radioactive material. This data increases understanding of the metabolism and deposition or radioactive materials in humans to allow for increased accuracy of worker radiation exposures.

(dollars in thousands)

**Other Defense Activities/
Environment, Safety and Health/
E pl C ation Program**

FY 2005 C ressi al B d et

FY 2003	FY 2004	FY 2005
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EH supports the development, operation, and maintenance of the Office of Health Studies Epidemiologic Surveillance Program through the collection and transmission of worker health, exposure, and demographic data.

The International Health Programs support the upgrading and validation of our knowledge of radiation health effects among workers and populations exposed to ionizing radiation as a result of accidents or environmental contamination in the former Soviet Union and Spain.

The DOE and the National Cancer Institute jointly sponsor four international studies to determine if any adverse health effects from exposure to radiological contamination from Chernobyl on the populations of Belarus, Ukraine, and Chernobyl cleanup workers. Epidemiologic studies of Russian workers at the Mayak Production Facility and other facilities in Russia identify the levels of radiation exposures where adverse health effects can be demonstrated for a large worker population exposed to low and moderate levels of radiation over a working lifetime and support the establishment of worker and public international and national radiation protection standards and policy. The DOE and Spain jointly sponsor Project Indalo, which provides support for medical surveillance and environmental monitoring of the spread of plutonium contamination on a few hundred acres of land in southern Spain. Health programs also includes a program to provide special medical care for a limited group of radiation-exposed individuals in the Marshall Island. The RERF epidemiologic studies and medical surveillance program provides for the life span study of the Hiroshima and Nagasaki exposed population. As this study approaches it's conclusion, future U.S. involvement in RERF will be evaluated.

Employee Compensation Program..... 15,650 25,646 43,000

The Energy Employees Occupational Illness Compensation Program Act of 2000 (EEOICPA) established a process to assist employees of DOE contractors and their survivors with their applications for State workers compensation benefits. Around the time that EEOICPA was passed in 2000, and, given the complexity of the process mandated in the authorizing legislation and the expected complexity of the physician panel reviews to be conducted, the Department of Energy was planning on ten years to completely review all applications. However, as the number of applications has more than tripled original expectations, and it has become clear how great the applicants' immediate need for this data is to effectively pursue State workers compensation claims, the Department implemented a three-year program to completely eliminate the backlog of applications.

The budget includes \$43.0 million to maintain the accelerated schedule for EEOICPA activities. This together with additional funds reprogrammed in late FY 2003, and additional funds to be reprogrammed in FY 2004, will enable the Department of Energy to significantly expedite the process through FY04, complete in FY05 the processing of all applications currently on file with DOE, up to the point of review by a Physicians Panel, and completely process all of these applications through the Physicians Panels by sometime in FY06. The Department has also implemented reforms that have already improved performance. In August of this year the program processed 30 cases per week. But with process improvements and the final approval of \$9.7 million in reprogrammed FY03 funds in September 2003, the rate has more than tripled to over 100 per week, and continues to rise.

The Department is also discussing with Executive agencies and other stakeholders possible legislative and regulatory changes to address impediments to effective program implementation.

Total, Environment, Safety and Health	90,304	102,013	99,105
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Explanation of Funding Changes

FY 2005 vs. FY 2004 (\$000)

Corporate Safety Program

- Expanded Quality Assurance program to address DOE-wide emerging issues involving quality assurance policy and standards, software quality assurance, implementation of a suspect/counterfeit items program HEPA filter quality assurance and certification programs; other minor adjustments.....
+1,851

Health

- Net decrease reflects discontinuation of earmarks (UNLV & gaseous diffusion plants) provided by Congress in FY 2004 not in the FY 2005 request (-\$6.1M); the reduction of support for various National and International Health Studies (-\$16.0M).....
-22,113

Employee Compensation Program

- Funding provided to expedite processing of applications for assistance with state workers compensation
+17,354

Total Funding Change, Environment, Safety and Health	-2,908
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Program Direction

Funding Profile

(dollars in thousands/whole FTEs)

	FY 2003	FY 2004	FY 2005	\$Change	% Change
Headquarters					
Salaries and Benefits.....	19,748	17,429	19,990	+2,561	+14.7%
Travel.....	280	300	300	0	0.0%
Other Related Expenses	49	124	124	0	0.0%
Total, Program Direction.....	20,077	17,853	20,414	+2,561	+14.3%
Full Time Equivalentents	154	152	152	0	0.0%

Mission

Program Direction in the Other Defense Activities account provides overall direction and support for the Office of Environment, Safety, and Health (EH) defense programs to ensure that all operations are conducted in the most efficient and effective manner.

DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program office in the Department but with additional effort from staff offices, which support the programs in carrying out the mission. DOE's staff offices perform critical functions necessary for success in achieving the Department's goals which include, but are not limited to, managing information technology, ensuring sound legal advice and fiscal stewardship, developing and implementing uniform program policy and procedures, maintaining and supporting our workforce, safeguarding our work spaces, and providing Congressional and public liaison.

The Office of Environment, Safety and Health performs critical functions which directly support the mission of the Department. These functions include funding for a Federal staff that have the technical expertise to carry out the essential EH mission. The EH mission requires experts to develop overall environment, safety, and health policy for DOE sites and facility operations; to provide a central and coordinated source of scarce technical expertise to all field elements; provide a central clearing house for information, analysis and feedback regarding new efforts, present activities, and unforeseen occurrences taking place at the multitude of diverse facilities within the DOE complex; provide the Department with the capability, as well as health studies endeavors; and to perform activities relative to environment, safety, and health programs across the DOE complex. Program Direction includes funding to support RESL and the Analytical Services Program staff; all costs of transportation, subsistence, and incidental expenses for EH's Federal employees in accordance with Federal Travel Regulations and training for EH Federal staff.

Detailed Justification

(dollars in thousands)

	FY 2003	FY 2004	FY 2005
Salaries and Benefits	19,748	17,429	19,990
<p>Salaries and Benefits reflect the FTE split between Energy Supply and Other Defense Activities. This category funds full-time permanent and other than full-time permanent employees' salaries, overtime pay, cash incentive awards, lump sum leave payments, Senior Executive Service, other performance awards, and payments to the worker's compensation. The increase for Salaries and benefits are based on the latest OMB economic assumptions for civilian pay raises of 1.5%.</p>			
Travel	280	300	300
<p>EH travel requirements are in line with the overall EH Federal staff.</p>			
Other Related Expenses	49	124	124
<p>Training, which includes tuition costs for EH Federal employees, was previously budgeted in Management and Administration.</p> <p>There are no support services contracts in Program Direction.</p>			
Total, Program Direction	20,077	17,853	20,414

Explanation of Funding Changes

FY 2005 vs. FY 2004 (\$000)

Salaries and Benefits

<ul style="list-style-type: none"> ▪ Funding requirements are commensurate with the allocation on Federal staff among EH programs and staff allocations. Increases for Salaries and Benefits are based on the latest OMB economic assumptions (civilian staff raises are 1.5%). This includes funding for cost of living adjustments, locality pay, within-grade increases, lump sum payments, and awards. The rates are based on EH actual experience 	+2,561
<p>Total Funding Change, Program Direction</p>	<p>+2,561</p>

Other Related Expenses by Category

(dollars in thousands)

	FY 2003	FY 2004	FY 2005	\$ Change	% Change
Training.....	49	124	124	+0	+0.0%
Total, Other Related Expenses	49	124	124	+0	+0.0%