

DEPARTMENT OF ENERGY

FY 2008 CONGRESSIONAL BUDGET REQUEST

OTHER DEFENSE ACTIVITIES

HEALTH, SAFETY AND SECURITY

LEGACY MANAGEMENT

NUCLEAR ENERGY

DEFENSE-RELATED ADMINISTRATIVE SUPPORT

HEARINGS AND APPEALS

SAFEGUARDS AND SECURITY CROSSCUT



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FEBRUARY 2007

VOLUME 2

OFFICE OF CHIEF FINANCIAL OFFICER

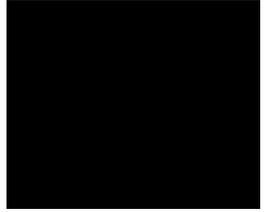


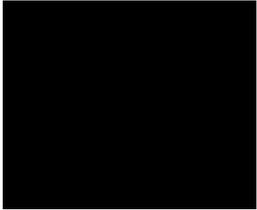
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Other Defense Activities

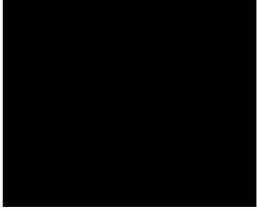


Safeguards and Security Crosscut





Other Defense Activities



Safeguards and Security Crosscut

Volume 2

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The Department of Energy’s Congressional Budget justification is available on the Office of Chief Financial Officer/CFO homepage at <http://www.cfo.doe.gov/budget>.

Department of Energy
Appropriation Account Summary
(dollars in thousands - OMB Scoring)

	FY 2006 Current Approp.	FY 2007 Cong. Request	FY 2007 CR Rate	FY 2008 Cong. Request	FY 2008 Request vs. FY 2007 Request	
					\$	%
Discretionary Summary By Appropriation						
Energy And Water Development, And Related Agencies						
Appropriation Summary:						
Energy Programs						
Energy supply and Conservation.....	1,812,397	1,923,361	1,817,487	2,187,943	+264,582	+13.8%
Fossil energy programs						
Clean coal technology.....	-20,000	—	-5,000	-58,000	-58,000	N/A
Fossil energy research and development.....	580,669	469,686	558,204	566,801	+97,115	+20.7%
Naval petroleum and oil shale reserves.....	21,285	18,810	18,275	17,301	-1,509	-8.0%
Elk Hills school lands fund.....	83,520	—	2,000	—	—	—
Strategic petroleum reserve.....	207,340	155,430	155,430	331,609	+176,179	+113.3%
Northeast home heating oil reserve.....	—	4,950	4,950	5,325	+375	+7.6%
Strategic petroleum account.....	-43,000	—	—	—	—	—
Total, Fossil energy programs.....	829,814	648,876	733,859	863,036	+214,160	+33.0%
Uranium enrichment D&D fund.....	556,606	579,368	556,525	573,509	-5,859	-1.0%
Energy information administration.....	85,314	89,769	85,185	105,095	+15,326	+17.1%
Non-Defense environmental cleanup.....	349,687	310,358	309,946	180,937	-129,421	-41.7%
Uranium Sales and Remediation.....	—	—	—	—	—	—
Science.....	3,632,044	4,101,710	3,605,000	4,397,876	+296,166	+7.2%
Nuclear waste disposal.....	148,500	156,420	141,511	202,454	+46,034	+29.4%
Departmental administration.....	120,595	128,825	102,582	148,548	+19,723	+15.3%
Inspector general.....	41,580	45,507	41,784	47,732	+2,225	+4.9%
Innovative Technology Loan Guarantee Program.....	—	—	—	8,390	+8,390	N/A
Total, Energy Programs.....	7,576,537	7,984,194	7,393,879	8,715,520	+731,326	+9.2%
Atomic Energy Defense Activities						
National nuclear security administration:						
Weapons activities.....	6,355,297	6,407,889	6,412,001	6,511,312	+103,423	+1.6%
Defense nuclear nonproliferation.....	1,619,179	1,726,213	1,620,901	1,672,646	-53,567	-3.1%
Naval reactors.....	781,605	795,133	780,343	808,219	+13,086	+1.6%
Office of the administrator.....	354,223	386,576	341,991	394,656	+8,080	+2.1%
Total, National nuclear security administration.....	9,110,304	9,315,811	9,155,236	9,386,833	+71,022	+0.8%
Environmental and other defense activities:						
Defense environmental cleanup.....	6,129,729	5,390,312	5,551,812	5,363,905	-26,407	-0.5%
Other defense activities.....	635,578	717,788	638,129	763,974	+46,186	+6.4%
Defense nuclear waste disposal.....	346,500	388,080	346,163	292,046	-96,034	-24.7%
Total, Environmental & other defense activities.....	7,111,807	6,496,180	6,536,104	6,419,925	-76,255	-1.2%
Cerro grande fire activities.....	742	—	—	—	—	—
Total, Atomic Energy Defense Activities.....	16,222,853	15,811,991	15,691,340	15,806,758	-5,233	-0.0%
Power marketing administrations:						
Southeastern power administration.....	5,544	5,723	5,544	6,463	+740	+12.9%
Southwestern power administration.....	29,864	31,539	29,864	30,442	-1,097	-3.5%
Western area power administration.....	231,652	212,213	212,213	201,030	-11,183	-5.3%
Falcon & Amistad operating & maintenance fund.....	2,665	2,500	2,500	2,500	—	—
Colorado River Basins.....	—	-23,000	—	-23,000	—	—
Total, Power marketing administrations.....	269,725	228,975	250,121	217,435	-11,540	-5.0%
Federal energy regulatory commission.....	—	—	—	—	—	—
Subtotal, Energy And Water Development and Related Agencies.....	24,069,115	24,025,160	23,335,340	24,739,713	+714,553	+3.0%
Uranium enrichment D&D fund discretionary payments...	-446,490	-452,000	—	-463,000	-11,000	-2.4%
Excess fees and recoveries, FERC.....	-50,015	-19,221	—	-17,462	+1,759	+9.2%
Total, Discretionary Funding.....	23,572,610	23,553,939	23,335,340	24,259,251	+705,312	+3.0%

Strategic Performance Overview

The Overviews in these budget requests will describe, Mission, Benefits, Strategic Themes, and Funding by Strategic Goal. These items together put the appropriation in perspective. The Annual Performance Results and Targets, Means and Strategies, and Validation and Verification sections address how the goals will be achieved and how performance will be measured. Finally, the Overviews will address R&D Investment Criteria, and Program Assessment Rating Tool (PART).

Strategic Context

Following publication of the Administration's National Energy Policy, the Department developed a Strategic Plan that defines its mission, five strategic themes for accomplishing that mission, and 16 strategic goals to support the strategic goals. Each appropriation has developed quantifiable goals to support the strategic goals. Thus, the "performance cascade" is the following:

Department Mission → Strategic Theme → Strategic Goal → GPRA Unit Program Goal (GPRA Unit) → Annual Targets → Milestones

The performance cascade accomplishes two things. First, it ties major activities for each program to successive goals and, ultimately, to DOE's mission. This helps ensure the Department focuses its resources on fulfilling its mission. Second, the cascade allows DOE to track progress against quantifiable goals and to tie resources to each goal at any level in the cascade. Thus, the cascade facilitates the integration of budget and performance information in support of the GPRA and the President's Management Agenda (PMA).

To provide a concrete link between budget, performance, and reporting, the Department developed a "GPRA¹ unit" concept. Within DOE, a GPRA Unit defines a major activity or group of activities that support the core mission and aligns resources with specific goals. Each GPRA Unit has completed or will complete a Program Assessment Rating Tool (PART). A unique program goal was developed for each GPRA unit. A numbering scheme has been established for tracking performance and reporting.²

R&D Investment Criteria

Another important component of our strategic planning – and the President's Management Agenda – is use of the Administration's R&D investment criteria to plan and assess programs and projects. The criteria were developed in 2001 and further refined with input from agencies, Congressional staff, the National Academy of Sciences, and numerous private sector and nonprofit stakeholders.

The chief elements of the R&D investment criteria are quality, relevance, and performance. Programs must demonstrate fulfillment of these elements. For example, to demonstrate relevance, programs are expected to have complete plans with clear goals and priorities. To demonstrate quality, programs are expected to commission periodic independent expert reviews. There are several other requirements, many of which R&D programs have and continue to undertake.

An additional set of criteria were established for R&D programs developing technologies that address industry issues. Some key elements of the criteria include: the ability of the programs to articulate the

¹ Government Performance and Results Act of 1993

²The numbering scheme uses the following numbering convention: x.x.xx.xx. The first position identifies the Strategic Theme (01 through 05); the second position identifies the Strategic Goal; the third position identifies the GPRA Unit Program; the fourth position is reserved for future use.

appropriateness and need for Federal assistance; relevance to the industry and the marketplace; identification of a transition point to industry commercialization (or of an off-ramp if progress does not meet expectations), and; the potential public benefits, compared to alternative investments, that may accrue if the technology is successfully deployed.

OMB-OSTP on-going guidance describes the R&D investment criteria fully and identifies steps agencies should take to fulfill them. Where appropriate throughout these justification materials, especially in the Explanation of Funding Changes subheadings, specific R&D investment criteria and requirements are cited to explain the Department's allocation of resources.

Other Defense Activities

Other Defense Activities

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Other Defense Activities

Appropriation Language

For Department of Energy expenses, including the purchase, construction, and acquisition of plant and capital equipment and other expenses, necessary for atomic energy defense, other defense activities, and classified activities, in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction, or expansion, and the purchase of not to exceed twelve passenger motor vehicles for replacement only, \$763,974,000, to remain available until expended.

**Other Defense Activities
Office of Health, Safety and Security**

**Overview
Appropriation Summary by Program**

(dollars in thousands)

	FY 2006 Current Appropriation ^a	FY 2007 Request ^a	FY 2007 CR ^a	FY 2008 Request
Other Defense Activities				
Health, Safety and Security	0	0	0	429,348
Subtotal, Other Defense Activities	0	0	0	429,348
Use of Prior Year Balance	0	0	0	-990
Total, Other Defense Activities	0	0	0	428,358

Preface

On October 1, 2006, the Secretary of Energy integrated certain Department of Energy (DOE) Headquarters level functions for health, safety, environment, and security to ensure clarity of health, safety, and security responsibilities and accountability. This new organization demonstrates the Department's commitment to maintain a safe and secure work environment for all Federal and contractor employees and the surrounding communities and stresses the importance of delineating clear roles and responsibilities and line management accountability for these programs. This budget represents the combination of the Environment, Safety, and Health program from the Energy Supply and Conservation and Other Defense Activities appropriations, and Security and Safety Performance Assurance program from the Other Defense Activities appropriation. The Health, Safety and Security program provides a focused and integrated corporate-level analysis of Departmental operating experience and identifies problem areas to provide the foundation for line management to implement effective Department-wide solutions in the subject areas of safety, health, environment, and security.

Within the Other Defense Activities appropriation, the Office of Health Safety and Security has one program, Health, Safety and Security (one subprogram) in addition to Program Direction.

Mission

The Office of Health, Safety and Security (HSS) is the Department of Energy's (DOE) central organization responsible for health, safety, environment, and security; providing corporate-level leadership and strategic vision to coordinate and integrate these programs. HSS is responsible for policy development and technical assistance; safety analysis; corporate safety and security programs; education and training; complex-wide independent oversight; and enforcement. The Chief Health, Safety and

^a FY 2006 and FY 2007 funding for these activities are included in the Office of Environment, Safety and Health and the Office of Security and Safety Performance Assurance budget submissions within the Other Defense Activities and Energy Supply and Conservation appropriations.

Security Officer advises the Deputy Secretary and the Secretary on all matters related to health, safety, and security across the complex.

Benefits

HSS provides the Department with effective and consistent policy, assistance, enforcement, and independent oversight activities related to health, safety, environment, and security programs. HSS integrates worker health, safety, environment, and security functions to address crosscutting Departmental issues, increase collaboration and sharing of technical expertise, and increase accountability for worker health, safety, and security responsibilities. The integrated approach and functional alignment of responsibilities within HSS alleviates overlap in reporting and provides consistency in policy and guidance development, and technical assistance while increasing the effectiveness of communication and accountability for worker health, safety, and security.

HSS performs functions that support the mission of the Department. These functions include:

- developing, promulgating, and maintaining clear and consistent health, safety, environment and security strategies and policies;
- providing assistance to Headquarters and field elements in the implementation of health, safety, environment, and security policies and requirements;
- providing technical assistance to program offices and field elements on complex health, safety, environment, and security problems and interfaces;
- managing and maintaining corporate level health, safety, environment, and security data management systems;
- providing analysis of Department-wide safety and security performance;
- developing and providing standardized, comprehensive security and safety training and professional development programs throughout the Department;
- conducting independent oversight performance appraisals to verify that the Department's security interests are protected; the Department can effectively respond to emergencies; and site workers, the public, and the environment are protected from hazardous operations and materials;
- implementing safety and security enforcement programs;
- providing effective cross-organizational leadership in resolving DNFSB-related technical and management issues necessary to ensure public health and safety;
- promoting corporate safety-based quality assurance programs;
- managing the accident investigation program;
- implementing medical surveillance and screening programs for current and former workers and supporting the Department of Labor in the implementation of the Energy Employees Occupational Illness Compensation Program Act (EEOICPA);
- conducting domestic and international health studies to determine worker and public health effects from exposure to hazardous materials associated with Department operations;
- identifying and managing the deployment of advanced security technologies;

- developing and implementing Department-wide nuclear and radiological materials tracking and accounting programs;
- managing the U.S. Government-wide program to classify and declassify nuclear weapons-related technology and implementing the requirements of Executive Order 12958 regarding the classification and declassification of information that is important to national security;
- managing the Department's security investigations budget and personnel security programs associated with providing access authorizations to DOE Federal and contract personnel; and
- managing the Department's protective force for DOE facilities in the National Capital Area, including providing executive protective services for the Department.

Major Program Shift

On October 1, 2006, the Secretary of Energy integrated certain DOE Headquarters level functions for health, safety, and security from the former Offices of Environment, Safety and Health (EH); Security and Safety Performance Assurance (SSA); and the Departmental Representative to the Defense Nuclear Facilities Safety Board (DR) into the Office of Health, Safety and Security (HSS). The creation of HSS ensures that all health and safety functions previously managed by EH continue in a more integrated and effective manner to improve the protections afforded DOE workers and the public. Additionally, all safety and security functions previously managed by SSA continue to be effectively implemented. The analysis of the former EH and SSA organizations identified a number of functions for transfer to other organizations because they are either line management responsibilities (such as laboratory operations) or would function better through a more appropriate alignment in a different DOE program office. The functions that were transferred are described within the detailed justification sections of this budget document.

Annual Performance Results and Targets ^a

FY 2003 Results	FY 2004 Results	FY 2005 Results	FY 2006 Results	FY 2007 Targets	FY 2008 Targets	
Health, Safety and Security / Health, Safety and Security / Corporate Safety Programs					NA	Develop and present DOE-wide safety goals to the Secretary for incorporation into contractor and Federal operations.
Health, Safety and Security / Health, Safety and Security / Health Programs/ Other Health Programs / Occupational Health						
NA	NA	NA	NA	NA	Obtain an average rating of no less than 85% on customer satisfaction surveys from Former Worker Program participants who receive medical screening during FY 2008. (Annual Output)	
Health, Safety and Security / Health, Safety and Security / Security Investigations/ Related Security Investigations Activities						
NA	NA	NA	NA	NA	Reduce the average time it takes to process access authorization requests after receipt of the background investigation by 12% (3.8 business hours) over the FY 2004 processing time of 32 business hours. (Efficiency Measure)	
Health, Safety and Security / Health, Safety and Security / Nuclear Safeguards and Security / Technology Development and Systems Deployment						
NA	NA	NA	NA	NA	Develop and deliver for deployment 2 technology -based security systems that have the support of Departmental organizations and will assist in implementing the Design Basis Threat Policy. (Annual Output)	

^a Annual effectiveness and efficiency performance targets will not be reported in the Department's annual Performance and Accountability Report (PAR).

Means and Strategies

HSS will achieve its mission by issuing clear, concise safety and security policies, providing timely and comprehensive assistance to program offices regarding the implementation of these policies; providing cutting-edge technology-based security solutions, providing world-class training programs for Departmental security and safety professionals, and applying rigorous independent oversight to departmental operations.

HSS provides the corporate-level leadership and strategic vision necessary to coordinate and integrate health, safety, environment, security, enforcement, and independent oversight programs at DOE. Working in partnership with DOE safety and security communities in the program offices and at the field sites, as well as with DOE workers and stakeholders, HSS is committed to continuous innovation and a cooperative work environment. HSS empowers its people with the skills and tools necessary for the improvement of health, safety, environment, and security, and is committed to excellence.

In order to achieve its vision and perform its goals, it is necessary for HSS to maintain a highly qualified workforce with the expertise and skills necessary to support, manage, and conduct its operations now and in the foreseeable future. The HSS workforce is comprised of world-class security and safety professionals grounded in science, engineering, and technology led by effective program and project managers with exceptional communications and leadership skills and supported by innovative resource management experts.

HSS requires the technical support of world-class experts to perform all its safety, security, and independent oversight activities. Contractor support continues to be a practicable and cost-effective means to provide a surge pool of technical experts, as opposed to expanding the Federal employee base.

The implementation of 10CFR 851, Worker Safety and Health Program, published on February 9, 2006; providing screening services to former workers; and continued support to the Department of Labor (DOL) for the Energy Employees Occupational Illness Compensation Program Act (EEOICPA) Program are major drivers affecting HSS missions, priorities, and stated health and safety performance targets. The “851” Rule strengthens the worker health and safety programs and adds to the Department’s enforcement authority to assess civil penalties for worker safety and health violations. HSS is working with the Office of General Counsel, DOE Program Offices, line management, and contractors to ensure successful implementation of the rule. Key initiatives include workshops, training, development of assistance tools, the issuance of guidance documents, and the development of enforcement strategies and methodologies. HSS will continue to provide teams of health experts to independently examine DOE site hazards and exposures and provide screening services to former workers for all DOE sites through regional screening programs and a supplemental screening program to serve workers who no longer live near the DOE site at which they worked. HSS will also continue to assist DOL, the National Institute of Occupational Safety and Health (NIOSH), and the President’s Advisory Board on Radiation and Worker Health to ensure access to all available records and information needed to support claims filed by DOE contractor employees and to enable DOL to fulfill its responsibilities under this program.

Revisions to the Design Basis Threat Policy have the greatest potential for affecting HSS mission, priorities, and stated security performance targets. Development of new and revised safeguards and security policies; type and number of training courses developed and conducted; type and number of

technologies deployed; and scope of independent oversight appraisals performed are all dependent and reliant upon current Design Basis Threat Policy requirements and implementation plans.

HSS uses Departmental goals, continuous program reviews with HSS office directors, Independent Oversight appraisals, and other reviews (both internal and external to the Department) of DOE organizations to formulate strategies for achieving the HSS mission. These strategies are then reflected in budget formulation and execution processes.

HSS places a high degree of emphasis on working with DOE program and other staff offices to ensure that security and safety issues are identified and adequately addressed. HSS also interfaces with organizations external to DOE to enhance the safety and security posture of the United States as well as other foreign states that maintain inventories of nuclear material. SSA maintains strong relationships with the DOE Undersecretaries and virtually all staff offices. HSS also maintains strong relationships with the following U.S. Government Departments and Agencies:

- Defense Nuclear Facilities Safety Board (DNFSB)
- Nuclear Regulatory Commission (NRC)
- Department of State (DOS)
- Department of Defense (DoD)
- Defense Threat Reduction Agency (DTRA)
- Department of Homeland Security (DHS)
- Federal Bureau of Investigation (FBI)
- National Security Council (NSC)
- United States Secret Service (USSS)
- Department of Labor (DOL)
- Occupational Safety and Health Agency (OSHA)
- Environmental Protection Agency (EPA)
- National Institute of Occupational Safety and Health (NIOSH)
- President's Advisory Board on Radiation and Worker Health

Validation and Verification

To validate and verify program performance, HSS will continuously monitor achievements for all performance targets through weekly reporting mechanisms and periodic meetings with office directors. In addition, appraisal performance targets will be verified and validated by the development of documented reports.

HSS is currently analyzing and measuring health and safety performance indicators of DOE operations over the past several years and FY 2007. These indicators will be used as a baseline to develop program-specific goals.

**Other Defense Activities
Health, Safety and Security**

Funding by Site by Program

(dollars in thousands)

	FY 2006 ^a	FY 2007 ^a	FY 2008
Argonne National Laboratory Health, Safety and Security	0	0	1,163
Brookhaven National Laboratory Health, Safety and Security	0	0	160
Chicago Operations Office Health, Safety and Security	0	0	1,380
East Tennessee Technology Park (K-25) Health, Safety and Security	0	0	20
Hanford Site Health, Safety and Security	0	0	100
Idaho National Laboratory Health, Safety and Security	0	0	2,652
Idaho Operations Office Health, Safety and Security	0	0	1,839
Kansas City Plant Health, Safety and Security	0	0	40
Kansas City Site Office Program Direction	0	0	1,200
Lawrence Berkeley National Laboratory Health, Safety and Security	0	0	297
Lawrence Livermore National Laboratory Health, Safety and Security	0	0	3,989
Los Alamos National Laboratory Health, Safety and Security	0	0	290
National Training Center Health, Safety and Security	0	0	14,756

^a FY 2006 and FY 2007 funding for these activities are included in the Office of Environment, Safety and Health and the Office of Security and Safety Performance Assurance budget submissions within the Other Defense Activities and Energy Supply and Conservation appropriations.

(dollars in thousands)

	FY 2006 ^a	FY 2007 ^a	FY 2008
Nevada Site Office			
Health, Safety and Security	0	0	5,080
NNSA Service Center			
Health, Safety and Security	0	0	23,060
Oak Ridge Institute for Science & Education			
Health, Safety and Security	0	0	2,796
Oak Ridge National Laboratory			
Health, Safety and Security	0	0	2,932
Oak Ridge Operations Office			
Health, Safety and Security	0	0	4,896
Office of Scientific and Technical Information			
Health, Safety and Security	0	0	200
Ohio Field Office			
Health, Safety and Security	0	0	20
Pacific Northwest National Laboratory			
Health, Safety and Security	0	0	4,429
Pantex Plant			
Health, Safety and Security	0	0	1,200
Pantex Site Office			
Health, Safety and Security	0	0	75
Pittsburgh Naval Reactors			
Health, Safety and Security	0	0	378
Richland Operations Office			
Health, Safety and Security	0	0	1,531
Sandia National Laboratories			
Health, Safety and Security	0	0	7,235
Savannah River Operations Office			
Health, Safety and Security	0	0	8,485
Savannah River Site			
Health, Safety and Security	0	0	1,991
Schenectady Naval Reactors			
Health, Safety and Security	0	0	27

	(dollars in thousands)		
	FY 2006 ^a	FY 2007 ^a	FY 2008
Strategic Petroleum Reserve			
Health, Safety and Security	0	0	250
Washington Headquarters			
Health, Safety and Security	0	0	235,479
Program Direction	0	0	98,843
Total, Washington Headquarters			334,322
Y-12 National Security Complex			
Health, Safety and Security	0	0	1,500
Y-12 site Office			
Health, Safety and Security	0	0	65
Total, Other Defense Activities	0	0	428,358

Major Changes or Shifts by Site

The Accelerated Access Authorization Program (AAAP) implemented out of the National Training Center, in Albuquerque, NM, and at the Oak Ridge Office, Oak Ridge, TN, will be discontinued in FY 2008. The AAAP was established in 1990 to provide a process for the Department to expeditiously (within 60 days) grant Interim Access Authorizations to qualifying candidates while the normal background investigations conducted by the Office of Personnel Management (OPM) continued. At that time, OPM was taking up to a year or more to conduct the necessary investigations. A study completed in September 2005 indicates that the conditions have changed in recent years and the AAAP no longer provides the significant time savings and related benefits that it did when it was originally established. In addition, OPM has developed its own expedited process for improving the speed of its investigative process.

Site Description

Argonne National Laboratory (ANL)

Health, Safety and Security: ANL provides specialized technical expertise on environmental and public protection issues, including analysis of emerging environmental rulemakings and identification of pollution prevention opportunity assessments. It also develops input for inclusion in environmental guidance materials and implementation tools; provides specialized technical expertise for the development of DOE performance summaries on air and water resource protection and environmental releases; develops input for inclusion into human and ecological risk assessments; and maintains modeling capabilities for the analysis of radiological releases to the environment related to DOE operations.

ANL supports tasks associated with the Foreign Ownership, Control, or Influence (FOCI) program by providing a computer-based system that facilitates a thorough investigation of FOCI on contracts and subcontracts involving access to classified information and special nuclear material.

Brookhaven National Laboratory (BNL)

Health, Safety and Security: BNL provides specialized subject matter technical expertise in conducting reviews of safety analysis and risk assessment documents such as Safety Analysis Reports, and Basis for Interim Operations. BNL provides specialized technical input in the development of rules, orders, safety guides, and standards and documents such as Safety Analysis Reports, technical safety requirements, waste disposal standards, fire protection standards, lightning and wind protection standards, and facility operation.

In addition, BNL participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data.

Chicago Operations Office (CH)

Health, Safety and Security: CH researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

Background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors are also supported.

East Tennessee Technology Park (K25)

Health, Safety and Security: K25 participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data. This site provides access to site records and information for use in occupational and public health related studies performed by the Department of Health and Human Services under an interagency agreement with DOE.

Hanford Site

Health, Safety and Security: The Hanford Site supports the development of software toolkits to assist Departmental elements in environmental remediation and cleanup decision-making and implementation. Data quality objectives training enables environmental professionals to use the Data Quality Assessment process to make defensible, cost-effective decisions as simply as possible. The Hanford Site ensures that effective safety policies and procedures guide the operations of DOE facilities.

Idaho National Laboratory (INL)

Health, Safety and Security: INL participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data.

INL provides onsite participation and field assistance for facilities' Site Safeguards and Security Plan development and review, specialized security engineering support, and day-to-day technical support of the Headquarters' security alarm and access control system. INL serves as the host site for performance testing and operational evaluation of advanced security technologies.

Idaho Operations Office (ID)

Health, Safety and Security: ID researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

Background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors are also supported.

Kansas City Plant (KCP)

Health, Safety and Security: KCP participates in the Illness and Injury Surveillance Program through the collection and transmission of worker health and demographic data.

Kansas City Site Office

Health, Safety and Security: The Kansas City Site Office supports security technology deployment activities by providing specialized technical expertise for the production of specialty electronic security devices.

Program Direction: The Kansas City Site Office provides maintenance, storage, and delivery of Multiple Integrated Laser Engagement System equipment used to conduct protective force performance testing. This equipment is used to simulate weapons fire in tactical field exercises that support the assessment of the overall effectiveness of field protection programs.

Lawrence Berkeley National Laboratory (LBNL)

Health, Safety and Security: LBNL provides specialized expertise in seismic analysis, structural response, natural phenomena hazards standards, and energy security safety analysis.

The site provides continuous public access to an organized, well-documented, retrievable collection of DOE health effects information through an electronic database, the Comprehensive Epidemiologic Data Resources. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

Lawrence Livermore National Laboratory (LLNL)

Health, Safety and Security: LLNL supports the congressionally mandated Marshall Islands program and other international health studies by providing environmental sampling and analysis to determine the radiological conditions. LLNL also participates in the Illness and Injury Surveillance Program through the collection and transmission of worker health and demographic data.

The LLNL technology development program focuses on physical security activities with an emphasis on advancing capabilities in alarm control and display systems.

The Classification, Declassification and Controlled Information Program is supported by providing

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specialized technical expertise in the development of classification guidance covering the following areas: nuclear weapons; material production; material disposition; computer codes; arms control; subcritical experimentation (experiments, in lieu of weapon testing, conducted underground at the Nevada Test Site with very small amounts of plutonium and high explosives); homeland security; guidance streamlining initiative; innovative methods of uranium enrichment; and intelligence issues. In addition, LLNL provides analysis and reports on the detailed content and proliferation potential of certain nuclear weapon-related information available in the public domain.

Los Alamos National Laboratory (LANL)

Health, Safety and Security: LANL participates in the Illness and Injury Surveillance Program through the collection and transmission of worker health and demographic data. This site provides access to site records and information for use in occupational and public health related studies performed by the Department of Health and Human Services under an interagency agreement with DOE.

LANL provides onsite participation and field assistance for Site Safeguards and Security Plan development and review, specialized security engineering support, survey support, and day-to-day technical support of the Headquarters' programs.

Other LANL activities include specialized technical expertise and support to the Classification, Declassification and Controlled Information Program in the development of classification guidance covering the following areas: weapons, material production, material disposition, computer codes, commercial inorganic membranes (permits private sector to utilize gaseous diffusion technology to develop filters for commercial use), centrifuges, and novel methods of uranium enrichment.

National Training Center (NTC)

Health, Safety and Security: The NTC is the lead resource within DOE for the development of standardized, state-of-the-art safety, security, and leadership and professional development training programs and for integrating comprehensive and professionally executed training, education, and vocational services. Additionally, the NTC provides training and education services and support to the Department in the areas of foreign interaction and counterintelligence.

Since September 11, 2001, NTC has been actively involved in conducting DOE training and education for a major component of the homeland defense effort. This includes identifying and countering foreign intelligence threats; providing value-added defensive counterintelligence; and conducting employee self-defense briefings, debriefings, and specific awareness training about national security issues.

Nevada Site Office

Health, Safety and Security: The Nevada Site Office provides technical support to the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data. In addition, the Nevada Site Office researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

Activities conducted at the Special Technologies Laboratory focus on development and deployment of

advanced physical security technologies to enhance protective force personnel threat response capabilities. Activities focus on developing and deploying systems that provide a real-time status and location of security forces; a friend/foe identification system; and a command and control architecture for improved tactical operations. Additionally, the Nevada Site Office facilities operate the command, control, communications, and information (C3I) technology integration center that provides performance metrics for C3I systems as a predecessor to operational deployments.

NNSA Service Center

Health, Safety and Security: The National Nuclear Security Administration Service Center researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E. In addition, support is provided to the congressionally mandated Marshall Islands medical and environmental programs.

Background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors are also supported.

Oak Ridge Institute for Science & Education (ORISE)

Health, Safety and Security: ORISE manages the Radiological Exposure Monitoring System, which maintains radiation exposure records for DOE and contractor personnel.

ORISE also provides services and products that support the development, implementation, and maintenance of international health studies and the Former Worker Program screening and medical examinations for former employees who are at risk for chronic beryllium disease because of their work at DOE and analysis of data obtained on these individuals; and technical support in the areas of data management, quality assurance, analysis, report preparation, and program implementation at sites. ORISE also provides support in the administration, training, materials and follow-up services including conferences, workshops, and training materials. ORISE is the data center for processing Illness and Injury Surveillance Program data, and supports the Beryllium Exposure Registry and analyses. ORISE conducts the National Former Worker Medical Supplemental Screening Program. This program serves former workers not covered by the HSS site-specific former worker medical screening initiatives.

ORISE provides technical support for the implementation, training, operation, and quality assurance of the DOE Human Reliability Program, and a variety of research and analysis activities in support of the personnel security function. ORISE also provides support to the Security Awareness Special Interest Group, which is a forum for Security Awareness Coordinators to disseminate security awareness information, media, and tools.

Oak Ridge National Laboratory (ORNL)

Health, Safety and Security: ORNL provides specialized technical expertise in environment, safety, and health activities; criticality codes and standards; restoration and protection of the environment; and risk-based, integrated worker safety programs. ORNL provides specialized technical expertise in the operational reviews of the DOE Technical Standards Program and development of web-based platforms for environmental guidance materials and compliance tools. ORNL also supports technical reviews of

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the potential impacts of proposed environmental regulations on DOE operations and HSS efforts to promote efforts to protect cultural resource. ORNL is also involved in project development, protocol development, and input to developmental needs to revise or update worker protection requirements.

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. ORNL provides services and products that support the development, implementation, and maintenance of international health studies. ORNL provides support in the administration, training, materials, and follow-up services including conference, workshops, and training materials. ORNL participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data and also manages a toll-free information hotline for former workers interested in learning more about medical screening services available to them through the Former Worker Program.

ORNL technology development and deployment efforts focus on tracking technologies with an emphasis on high-value protective force weapons and classified tooling.

Oak Ridge Operations Office (OR)

Health, Safety and Security: OR supports the implementation of the analytical services activity by conducting audits of commercial analytical laboratories, and commercial waste treatment, storage and disposal facilities to ensure environmental analytical data is of high quality, reliable, and defensible. In addition, OR researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E. In addition, OR manages the funding for the Filter Test Facility which provides for the testing of all high efficiency particulate air (HEPA) filters used in DOE safety systems (safety class and safety significant) and habitability systems.

OR provides support to the Classification, Declassification and Controlled Information Program by reviewing documents for declassification requested under the Energy Employees Occupational Illness Compensation Program and required by civil suits, as well as in support of the large-scale declassification program. OR also provides technical expertise and support for the development of classification guidance covering the following areas: nuclear weapons, material production, material disposition, commercial inorganic membranes (permits private sector to utilize gaseous diffusion technology to develop filters for commercial use), centrifuges, and innovative methods of uranium enrichment.

Background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors are also supported.

Office of Scientific and Technical Information (OSTI)

Health, Safety and Security: OSTI supports efforts focused on capturing historical and current security information, converting this information to electronic documents, and providing timely access and analysis capabilities for the security policy staff.

Support is also provided for the Classification, Declassification and Controlled Information Program by

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improving the access capability to DOE's OpenNet database and maintaining a thesaurus and dictionary for the automated classification guidance system used in the electronic Classification Guidance System.

Ohio Field Office

Health, Safety and Security: The Ohio Field Office researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

The Ohio Field Office provide 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.

Pacific Northwest National Laboratory (PNNL)

Health, Safety and Security: PNNL provides specialized technical expertise on environmental and public protection issues, including analysis of emerging rulemakings and input for the development of environmental guidance materials and implementation tools in areas such as air and water quality protection and human and ecological risk assessments related to DOE releases. PNNL also provides health physics and other technical expertise in all aspects of radiological practices, processes and systems at DOE sites with Radiological Control Programs, including support for the development of implementation guides, technical standards and technical solutions for specific radiological control problems.

PNNL's specialized technical expertise supports the development and implementation of the DOE Laboratory Accreditation Program. It also provides specialized support for the affirmative procurement of environmentally preferable products.

PNNL provides technical support in preparing policies, procedures, and guides, as well as developing materials that address the process and protocols used for program implementation, planning, analysis of evaluation results and trends, and compilation of policy issues related to the evaluations. PNNL provides support to the international health studies program.

PNNL supports 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). PNNL provides technical support to the Illness and Injury Surveillance Program through assistance in developing methods to estimate cumulative dosimetry exposures for current workers.

PNNL provides technical expertise to support policy development for various security disciplines (e.g., information security, protective forces, physical security, personnel security, and material control and accountability), special nuclear material consolidation, Site Safeguards and Security Plans, Site Security Plans, and performance testing. PNNL provides operational support and maintenance for the DOE Security Incident Tracking and Analysis Capability system as well as technical, analytical, and operational support to the Foreign Access Central Tracking System.

In addition, specialized technical support is provided to the Classification, Declassification, and Controlled Information Program for the development of classification guidance covering the following

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areas: weapons, material production, material disposition, technology, chemical and biological weapons, critical infrastructure, and intelligence.

Pantex Plant

Health, Safety and Security: The Pantex Plant serves as the integration test bed for the deployment and evaluation of security technologies such as networked security sensors, distributed situational awareness, and real-time monitoring through a newly developed tactical operations center.

Pantex Site Office

Health, Safety and Security: The Pantex Site Office provides technical support to the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data.

Pittsburgh Naval Reactors

Health, Safety and Security: Background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees are supported.

Richland Operations Office (RL)

Health, Safety and Security: RL researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E. RL also supports international health studies activities.

Through AdvancedMed, RL participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data. AdvancedMed also coordinates with the University of Washington to offer a resource to current Hanford Tank Farm workers for independent medical screening.

Background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors are also supported.

Sandia National Laboratories (SNL)

Health, Safety and Security: SNL 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. SNL also provides specialized technical expertise in the development of software for radiological hazard analyses at DOE facilities. SNL also provides technical support to the Illness and Injury Surveillance program through collection and transmission of worker health, exposure, and demographic data.

SNL focuses on deployment and integration of technologies and systems required to protect the Department from catastrophic consequences of such circumstances as use of nuclear weapons and/or material for malevolent purposes or the erosion of national security secrets through theft or diversion of classified materials or information. Technical assistance provides for assessment of site vulnerability

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analyses and Site Safeguards and Security Plans. The technology deployment program focuses on physical security technologies to protect and secure the DOE complex. Activities include deploying active denial technologies; countermeasures for security equipment vulnerabilities; and enhanced protective force technologies, such as deployment of a ballistic turret for static and mobile remotely operated weapon systems.

SNL also provides technical expertise to the Classification, Declassification and Controlled Information Program in the development of Headquarters classification guidance covering the following areas: nuclear weapons, nuclear weapon production and military use, stockpile stewardship, chemical/biological weapons, nuclear smuggling, computer codes, and intelligence.

Savannah River Operations Office (SR)

Health, Safety and Security: SR provides 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. SR also supports HSS through participation in the Illness and Injury Surveillance Program. This site provides access to site records and information for use in occupational and public health related studies being performed by the Department of Health and Human Services under an interagency agreement with DOE.

SR researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

SR has contract administration and security responsibilities for the Nuclear Materials Management and Safeguards System as the U.S. Government's official accounting system on the possession, use, and shipment of nuclear material.

Background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors are also supported.

Savannah River Site (SRS)

Health, Safety and Security: SRS supports nuclear material control and accountability through the development, enhancement, and deployment of the Local Area Nuclear Material Accountability Software (LANMAS) application for nuclear materials accountability throughout the DOE complex. This technology allows greater reliability, efficiency, and cost savings through increased standardization and use of advanced software technologies. Additionally, SRS serves as a security technology deployment evaluation site for exterior delay, early warning, active denial systems, and armed response technologies.

Schenectady Naval Reactors

Health, Safety and Security: Background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees are supported.

Strategic Petroleum Reserve

Health, Safety and Security: Funding provides for modifications to protective force armored vehicles to ensure effective operation in extreme weather conditions.

Washington Headquarters

Health, Safety and Security: The Headquarters program provides for Specialized Security Activities, Headquarters Security Operations, and operation and maintenance of corporate databases systems, e.g., the Computerized Accident/Incident Reporting System, the Occurrence Reporting and Processing System, the Safeguards and Security Information Management System, the electronic DOE Integrated Security System (eDISS+), and classification and declassification data systems.

Background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors are supported.

Program Direction: Funding provides for Federal employee salaries and benefits, travel, and other related expenses needed to carry out the HSS mission. Funding is also used to provide for support services for Headquarters security programs, perform the independent oversight mission, and provide effective cross-organizational leadership in resolving Defense Nuclear Facilities Safety Board-related technical and management issues necessary to ensure public health and safety.

Y-12 National Security Complex (Y-12)

Health, Safety and Security: The Y-12 technology deployment program provides physical security technologies focusing on protective force survivability and chemical defense measures. Y-12 also serves as a test bed to evaluate advanced protective force security technologies identified through the HSS Technology Deployment Program.

Y-12 provides technical expertise and support to the Classification, Declassification, and Controlled Information Program in the development of classification guidance covering the following areas: nuclear weapons, material production, material disposition, technology, chemical/biological, intelligence, and the development of automated guidance streamlining technologies and techniques to manage classification policy and guidance.

Y-12 Site Office

Health, Safety and Security: Provides technical support to the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data.

Health, Safety and Security

Funding Profile by Subprogram

(dollars in thousands)

	FY 2006 Current Appropriation ^a	FY 2007 Request ^a	FY 2008 Request
Health, Safety and Security			
Health, Safety and Security	0	0	329,305
Program Direction	0	0	100,043
Total, Health, Safety and Security	0	0	429,348

Public Law Authorizations:

42 U.S.C. Section 7274 “Program to Monitor DOE Workers Exposed to Hazardous and Radioactive Substances”
 Public Law 83-703, “Atomic Energy Act of 1954,” as amended
 Public Law 93-438, “Energy Reorganization Act of 1974”
 Public Law 95-91, “Department of Energy Organization Act”
 Public Law 95-134, “Marshall Islands (Related to Rongelap and Utirik Atolls)”
 Public Law 95-242, “Nuclear Non-Proliferation Act of 1978”
 Public Law 96-205, “Trust Territory of the Pacific Islands”
 Public Law 99-239, “Compact of Free Association Act of 1985”
 Public Law 100-408, “Price-Anderson Amendments Act of 1988”
 Public Law 103-337, “National Defense Authorization Act of 1995”
 Public Law 103-62, “Government Performance and Results Act of 1993”
 Public Law 107-310, “Dam Safety and Securities Act of 2002”
 Public Law 108-188, “Compact of Free Association Amendments Act of 2003”
 Public Law 108-375, “The Ronald W. Reagan National Defense Authorization Act for FY 2005”
 Public Law 109-163, “The National Defense Authorization Act for FY 2006”
 H.R. 1815, Section 3103

Mission

The Office of Health, Safety and Security (HSS) is the Department of Energy's (DOE) central organization responsible for health, safety, environment, and security; providing corporate-level leadership and strategic vision to coordinate and integrate these programs. HSS is responsible for policy development and technical assistance; safety analysis; corporate safety and security programs; education and training; complex-wide independent oversight; and enforcement. The Chief Health, Safety and Security Officer advises the Deputy Secretary and the Secretary on all matters related to health, safety, and security across the complex.

Benefits

HSS provides the Department with effective and consistent policy, assistance, enforcement, and independent oversight activities related to health, safety, environment, and security programs. HSS integrates worker health, safety, environment, and security functions to address crosscutting Departmental issues, increase collaboration and sharing of technical expertise, and increase

^a FY 2006 and FY 2007 funding for these activities are included in the Office of Environment, Safety and Health and the Office of Security and Safety Performance Assurance budget submissions within the Other Defense Activities and Energy Supply and Conservation appropriations.

accountability for worker health, safety, and security responsibilities. The integrated approach and functional alignment of responsibilities within HSS alleviates overlap in reporting and provides consistency in policy and guidance development, and technical assistance while increasing the effectiveness of communication and accountability for worker health, safety, and security.

HSS performs functions that support the mission of the Department. These functions include:

- developing, promulgating, and maintaining clear and consistent health, safety, environment and security strategies and policies;
- providing assistance to Headquarters and field elements in the implementation of health, safety, environment, and security policies and requirements;
- providing technical assistance to program offices and field elements on complex health, safety, environment, and security problems and interfaces;
- managing and maintaining corporate level health, safety, environment, and security data management systems;
- providing analysis of Department-wide safety and security performance;
- developing and providing standardized, comprehensive security and safety training and professional development programs throughout the Department;
- conducting independent oversight performance appraisals to verify that the Department's security interests are protected; the Department can effectively respond to emergencies; and site workers, the public, and the environment are protected from hazardous operations and materials.
- implementing safety and security enforcement programs;
- providing effective cross-organizational leadership in resolving DNFSB-related technical and management issues necessary to ensure public health and safety;
- promoting corporate safety-based quality assurance programs;
- managing the accident investigation program;
- implementing medical surveillance and screening programs for current and former workers and supporting the Department of Labor in the implementation of the Energy Employees Occupational Illness Compensation Program Act (EEOICPA);
- conducting domestic and international health studies to determine worker and public health effects from exposure to hazardous materials associated with Department operations;
- identifying and managing the deployment of advanced security technologies;
- developing and implementing Department-wide nuclear and radiological materials tracking and accounting programs;
- managing the U.S. Government-wide program to classify and declassify nuclear weapons-related technology and implementing the requirements of Executive Order 12958 regarding the classification and declassification of information that is important to national security;
- managing the Department's security investigations budget and personnel security programs associated with providing access authorizations to DOE Federal and contract personnel;
- managing the Department's protective force for DOE facilities in the National Capital Area, including providing executive protective services for the Department.

Major Program Shift

On October 1, 2006, the Secretary of Energy integrated certain DOE Headquarters level functions for health, safety, and security from the former Offices of Environment, Safety and Health (EH); Security and Safety Performance Assurance (SSA); and the Departmental Representative to the Defense Nuclear Facilities Safety Board (DR) into the Office of Health, Safety and Security (HSS). The creation of HSS ensures that all health and safety functions previously managed by EH continue in a more integrated and effective manner to improve the protections afforded DOE workers and the public. Additionally, all safety and security functions previously managed by SSA continue to be effectively implemented. The analysis of the former EH and SSA organizations identified a number of functions for transfer to other organizations because they are either line management responsibilities (such as laboratory operations) or would function better through a more appropriate alignment in a different DOE program office. The functions that were transferred are as follows:

- National Environmental Policy Act (NEPA) Program. This function was assigned to the Office of the General Counsel (GC) because it complements the functions of GC in ensuring that the Department's activities comply with applicable legal requirements including NEPA and other environmental laws. This transfer locates in one office both the legal and technical support personnel who assist program offices in meeting NEPA obligations, thus enabling the Department to further improve its NEPA documents and decision-making processes while maintaining the responsibility of the Under Secretaries and Assistant Secretaries with line management responsibility to ensure conformance of the Department's activities to environmental protection laws and principles.
- Non-safety-related quality assurance program elements. This function was transferred to the Office of Management (MA) because many aspects of quality assurance are related to product quality not safety. HSS retained the quality assurance aspects that relate to safety. Interfaces will be established between safety-related quality assurance and non-safety-related quality assurance to ensure the quality assurance process is applied appropriately across all functional areas, in addition to safety. This will increase the focus on quality assurance across the entire Department, not just in safety areas but in all areas to ensure that product specifications are consistently met.
- Radiological and Environmental Science Laboratory (RESL). RESL, located at Idaho National Laboratory (INL), was transferred to the Office of Nuclear Energy to complement their work with the nuclear research mission and because the Office of Nuclear Energy has the resources to manage facilities and already manages other facilities at INL.
- Safety Review of Newly Constructed Facilities and New Start Projects. The review of safety regulation expectations of newly constructed facilities and new start projects is more properly a line management responsibility. This function, including funding and personnel who perform the function, were transferred to the NNSA and the Office of Environmental Management.
- Technical reviews of authorization bases documents. The support for these reviews is more properly a line management responsibility. The function, and personnel who perform the function, were transferred to NNSA's and the Under Secretary of Energy's Central Technical Authorities.

- Nuclear safety research coordination. This function, to coordinate and consolidate research activities associated with nuclear operations within the Department, was transferred to NNSA to capitalize on NNSA's work on the research mission and the work of the NNSA national laboratories.
- Program Direction - Resource Management Responsibilities. Some human resources, budget, procurement and information technology support staff transitioned to MA. Due to efficiencies realized in forming the new office, the HSS did not require all of the personnel who currently perform these functions.
- New Brunswick Laboratory (NBL). NBL, located at Argonne National Laboratory (ANL), has the primary mission of research and development of nuclear material measurement standards. This function was transferred to the Office of Science to capitalize on that Office's research mission and its resources in managing facilities at ANL.
- Continuity of Government Program. This function was transferred to NNSA to ensure implementation of Departmental and regional Continuity of Government programs, missions and functions in coordination with the Department's Continuity of Operations program and emergency operations center, both currently managed by NNSA.
- Foreign travel and exchange visitor program. These functions were transferred to MA because of their current Department-wide responsibilities for travel management, which makes MA better suited to conduct the required reviews.

Health, Safety and Security

Funding Schedule by Activity

(dollars in thousands)

	FY 2006 ^a	FY 2007 ^a	FY 2008
Health, Safety and Security			
Health and Safety Policy, Standards and Guidance	0	0	4,203
DOE-Wide Environment, Safety and Health Programs	0	0	3,976
Corporate Safety Programs	0	0	7,111
Health Programs	0	0	40,803
Employee Compensation Program	0	0	3,000
Nuclear Safeguards and Security	0	0	232,376
Security Investigations	0	0	37,836
Total, Health, Safety and Security	0	0	329,305

Description

The Office of Health, Safety and Security (HSS) is the Department of Energy's (DOE) central organization responsible for health, safety, environment, and security; providing corporate-level leadership and strategic vision to coordinate and integrate these programs. The HSS subprogram provides for policy development and technical assistance; safety analysis; corporate safety and security programs; education and training; and enforcement. The Chief Health, Safety and Security Officer advises the Deputy Secretary and the Secretary on all matters related to health, safety, and security across the complex.

The Program Goals of Health, Safety and Security will be accomplished not only through the efforts of the direct (GPRA Unit) programs but with additional efforts from subprograms, which support the GPRA Units in carrying out their mission. The Health, Safety and Security subprogram performs the following functions in support of the overall mission of Health, Safety and Security.

Benefits

HSS provides the Department with effective and consistent policy, assistance, and enforcement activities related to health, safety, environment, and security programs. HSS integrates worker health, safety, environment, and security functions to address crosscutting Departmental issues, increase collaboration and sharing of technical expertise, and increase accountability for worker health, safety, and security responsibilities. The integrated approach and functional alignment of responsibilities within HSS alleviates overlap in reporting, policy and guidance development, and technical assistance responsibilities while increasing the effectiveness of communication and accountability for worker health, safety, and security throughout DOE.

^a FY 2006 and FY 2007 funding for these activities are included in the Office of Environment, Safety and Health and the Office of Security and Safety Performance Assurance budget submissions within the Other Defense Activities and Energy Supply and Conservation appropriations.

HSS performs functions that support the mission of the Department. These functions include:

- developing, promulgating, and maintaining clear and consistent health, safety, environment and security strategies and policies;
- providing assistance to Headquarters and field elements in the implementation of health, safety, environment, and security policies and requirements;
- providing technical assistance to program offices and field elements on complex health, safety, environment, and security problems and interfaces;
- managing and maintaining corporate level health, safety, environment, and security data management systems;
- providing analysis of Department-wide safety and security performance;
- developing and providing standardized, comprehensive security and safety training and professional development programs throughout the Department;
- implementing safety and security enforcement programs;
- promoting corporate safety-based quality assurance programs;
- managing the accident investigation program;
- implementing medical surveillance and screening programs for current and former workers and supporting the Department of Labor in the implementation of the Energy Employees Occupational Illness Compensation Program Act (EEOICPA);
- conducting domestic and international health studies to determine worker and public health effects from exposure to hazardous materials associated with Department operations;
- identifying and managing the deployment of advanced security technologies;
- developing and implementing Department-wide nuclear and radiological materials tracking and accounting programs;
- managing the U.S. Government-wide program to classify and declassify nuclear weapons-related technology and implementing the requirements of Executive Order 12958 regarding the classification and declassification of information that is important to national security;
- managing the Department's security investigations budget and personnel security programs associated with providing access authorizations to DOE Federal and contract personnel;
- managing the Department's protective force for DOE facilities in the National Capital Area, including providing executive protective services for the Department.

Detailed Justification

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Health and Safety Policy, Standards and Guidance	0	0	4,203
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Policy, standards and guidance are issued to ensure that workers and the public, property and the environment are adequately protected from the hazards of DOE activities. For most DOE facilities, DOE assumes direct regulatory/enforcement authority for safety and health as provided by the Atomic Energy Act of 1954, as amended. Safety policy, standards and guidance must therefore take into account the unique nuclear, chemical and industrial hazards posed by DOE operations and must be current with worldwide technologies, knowledge and experience. Environmental programs at DOE sites are, for the most part, driven by Federal, state, and local regulations. However, environmental program direction and assistance is provided to DOE sites especially in the areas of pollution prevention and Environmental Management System development and implementation.

Information exchange with the Institute of Nuclear Power Operations (INPO) is funded through this activity to maintain equivalency of DOE's nuclear safety requirements and guidance with those of the commercial nuclear industry. INPO is a non-profit organization established by the commercial nuclear power industry to promote the highest levels of safety and reliability in the operation of nuclear power plants. The Department's agreement with INPO was established in 1989 at the direction of the Secretary in response to recommendations by internal and external groups that DOE standards and practices for nuclear operations should monitor and benefit from lessons learned in the commercial nuclear industry. Through this agreement INPO provides comprehensive and timely insights on nuclear safety excellence from a single, unique, internationally recognized expert source. The annual membership fee provides the Department access to INPO methodologies, standards, operating experience and information databases. Additionally, INPO provides direct technical assistance to DOE and its site contractors. The interaction with INPO enables DOE to incorporate applicable best practices as part of the Department's commitment to continuous improvement. Funding provides direct access to otherwise unavailable current commercial nuclear industry standards, best practices and benchmarking opportunities.

The Human Performance Improvement initiative is designed to identify and analyze human performance gaps and identify, implement and evaluate corrective actions to close those gaps. Funding provides for the development of course materials and conducting training, in coordination with the National Training Center; conducting DOE-wide workshops; facilitating implementation at the site level; and maintaining a knowledge-sharing alliance with the Energy Facility Contractors Operating Group, the U.S. Navy, the International Society for Performance Improvement, the International Atomic Energy Agency, and INPO. Funding provides for assistance to DOE offices and contractors in developing internal expertise in Human Performance and related subjects and assistance in integrating Human Performance principles, concepts, and tools into their policies, management systems, processes and organizational cultures. This program is accomplished through the establishment of pilot programs, as well as facilitation and coaching of ongoing human performance activities. Funding is also used for monitoring of developments in Human Performance improvement by national and international government agencies, the private and academic sectors; and communicating these developments and effective practices to DOE and contractor organizations.

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Through the National Training Center, Policies, Standards and Guidance provides for the development and delivery of environment, safety and health technical training to develop and maintain DOE and contractor ES&H competencies. The funding provides for training and instructional design for Nuclear Executive Leadership Training, Senior Technical Safety Managers, environment, safety and health for project managers, facility maintenance, nuclear safety basis, safety culture, causal analysis, assessment techniques, Defense Nuclear Facilities Safety Board Recommendation 2004-1; and support for the Federal Technical Capability Panel.

HSS manages the Departmental coordination with the Occupational Safety and Health Administration (OSHA). Congress has mandated the transfer of \$700,000 to \$2 million to OSHA for at least the past five years. OSHA uses this money to fund eight full-time-equivalent employees, travel expenses and contractor support for the purpose of overseeing DOE's non-Atomic Energy Act sites (Fossil Energy and power marketing administrations), and the three privatized facilities for which OSHA has accepted jurisdiction.

Nuclear Safety and Environmental Policy activities provide for the development and maintenance of nuclear safety and environmental requirements and standards to establish DOE's regulatory framework required by the Atomic Energy Act. These safety requirements and standards address hazards and safety management issues such as nuclear materials management, criticality, fire, seismic, tornados, electrical, explosives, construction, maintenance, nuclear training, and conduct of operations. Support is provided to DOE operating units to ensure safety requirements are properly interpreted and implemented to provide adequate protection to workers and the public, to respond to issues raised by the Defense Nuclear Facilities Safety Board, and to develop DOE and industry technical nuclear safety standards. DOE nuclear and facility safety policies and standards will continue to be enhanced to reflect updated commercial codes and standards, changing DOE missions and work environments, and emerging safety issues that are encountered continuously when working with nuclear or other hazardous materials or in aging facilities.

Worker Safety and Health Policies promote the conduct of work in a safe manner while maintaining safety performance well above the national average compared to industrial operations similar to DOE operations. Funding provides for the conduct of research, sponsoring developmental working groups, and performing the physical tasks necessary to update and maintain existing, and develop new safety and health regulations and DOE directives based on new and evolving working conditions throughout the Department. In FY 2008, emphasis will shift to developing specific policy for nanotechnology activities, with the implementation of 10 CFR 851 "Worker Safety and Health Program," and the revision of DOE Order 440.1 "Worker Protection Management for DOE Federal and Contractor Employees," and its associated guides. Current health and safety knowledge of exposure to nano-materials is limited; development of policy will require the release of interim guidance based on existing knowledge and best practices. 10 CFR 850 "Chronic Beryllium Disease Prevention Program," will be reviewed and updated by publishing an amendment to this rule to, among other things, address unrestricted release criteria and chemical forms of beryllium which may not have health effects. Final promulgation of 10 CFR 835 "Occupational Radiation Protection," will also be amended to account for (1) lessons learned since the initial adoption of these regulations, (2) input from the Defense Nuclear

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Facilities Safety Board and members of the public, (3) new recommendations from the International Commission on Radiological Protection, and (4) the establishment of the National Nuclear Security Administration.

Federal Employee Occupational Safety and Health (FEOSH) activities assure compliance with 20 CFR 1960 and Executive Order 12196 by providing guidance and technical assistance to DOE line managers who are working to ensure safe and healthful working conditions for their employees. Funding provides for the development of web-based and a stand-alone general employee training programs; and web-based technical resource center providing Federal managers and staff with management tools and information pertaining to workplace inspections; FEOSH program technical assistance; program performance analysis; inter-agency coordination; and safety bulletins; guidelines and information dissemination. These activities also provide for the development of the annual FEOSH report to the Secretary of Labor in accordance with 20 CFR 1960.

Environmental Protection Program activities include providing assistance to DOE operating units regarding identification of Departmental and statutory requirements, resolution of environmental compliance issues, and inclusion of environmental performance expectations in new or amended site operating contract procurement specifications. Assistance includes developing root cause analyses of environmental noncompliance events, developing and implementing corrective actions, and the formulation and implementation of environmental management systems performance improvements. Analysis of trends across the DOE complex and the development of guidance documents and bulletins to provide compliance issues lessons-learned information throughout the Department will continue to be provided in order to improve the Departmental compliance posture and reduce the potential for occurrences of noncompliant events. As part of the Department's efforts to improve its environmental compliance performance, continued support will be provided to maintain an intra-departmental work group in response to the President's Management Council's Environmental Compliance Management Improvement Initiative; and to improve environmental compliance performance measurement efforts. Assistance will be provided to evaluate and resolve site regulatory compliance issues, and, where appropriate, to pursue cost-effective, alternative compliance strategies, including preparing petitions for regulatory variances and waivers. Other compliance activities include issuance of guidance regarding the interpretation and implementation of new regulatory requirements applicable to DOE operations and developing web-based compliance tools to assist DOE sites with recognition and understanding of applicable environmental requirements. Environmental Program support to the Department is provided by coordinating and developing consolidated responses to proposed changes in environmental requirements applicable to Departmental operations to ensure that DOE concerns are reflected in the formulation of those regulations. Environmental management system implementation assistance is provided by providing guidance in areas such as environmental management system performance improvement, best practices, lessons-learned, and compliance problem solving.

The requirements within DOE Order 5400.5, Radiation Protection of the Public and the Environment, are scheduled to be revised and reissued as 10 CFR 834 in order to update the Department's radiation protection practices. Support documents will be developed and issued through a coordinating committee made up of Field and Program Office staff to assist in the implementation of the new rule, including

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guides on monitoring, control/release of property, and use of optimization techniques. Updated codes/models and user manuals will be developed for use in dose/risk assessment to ensure cost effective remediation and compliance with DOE approved authorized limits for release of materials. Support will continue to be provided to DOE operations, and state and Federal agencies in assessing dose and risks to the public from the release of property containing residual radioactive material. Review of requests will continue to determine authorized limits for control and release of property and exemption requests for DOE waste management and environmental protection requirements. Analysis of technical assessments to support limits and exemptions will also continue. In FY 2008, ongoing activities will be maintained to support sites' waste disposal efforts by reviewing DOE low-level waste disposal sites to ensure they comply with DOE Order 435.1 requirements and Federal radiation protection policies. Coordination with international standards organizations will also continue in order to benchmark U.S. radiation protection approaches against existing and proposed standards and to represent the United States in international standards development processes.

In conjunction with several Federal interagency work groups involving the Department of Homeland Security, Office of Science Technology and Policy, Health and Human Services, EPA OSHA, etc, this activity will continue to provide for the maintenance of operational guidelines that support protective action decisions in response to events involving radiological dispersal device and improvised nuclear devices. This effort includes continued external peer review of the guidelines and development of additional operational guidelines to support protective action decisions by interagency teams during a radiological emergency. Activities also support efforts to unify the Federal Government's approach to radiation protection thereby improving and integrating a protective, more effective waste management approach that will support the disposition of radioactive and hazardous waste from DOE operations as well as disposition of wastes from radiological events. In particular, efforts will continue to harmonize interagency approaches to the disposition of low activity waste pursuant to recommendations of the National Academy of Science. Assistance will also be provided to develop an interagency initiative to improve and update radiation dosimetry to support all Federal radiation protection activities.

HSS develops and issues Annual Site Environmental Reports (ASER) and National Environmental Standards for Hazardous Air Pollutants (NESHAPs) summary reports of DOE environmental performance data; the conduct of ASER and NESHAPs workshops; and issuance of annual ASER guidance are provided through this activity. NESHAPs summaries are submitted annually to EPA under an interagency agreement. This activity also provides for the continued tracking of DOE performance in controlling radiological releases and complying with DOE Order 5400.5 and 40 CFR Part 61 requirements.

Other environmentally related activities provided within this activity include Cultural Resource Management workshops to assist Field elements in fulfilling their historic preservation responsibilities to curate artifacts under their charge; an Environmental management system workshop to support implementation effort by promoting the sharing of lessons learned and implementation successes and failures; and a Clean Air Act workshop to support DOE implementation of requirements for conformity to clean air act implementation plans.

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Prevention into Environmental Management Systems.” Guidance is also provided to DOE programs to formally recognize outstanding pollution prevention achievements at DOE sites (i.e., Best-in-Class and Star Awards) and nominate recognized DOE awards for consideration in the White House Closing-the-Circle Awards competition.

Department-wide Pollution Prevention activities are provided to implement the new DOE guide on alternative funding mechanisms (Generator Set-Aside Fee Program) for pollution prevention activities. Support focuses on DOE sites’ green purchasing efforts by assisting the sites with implementation of the new guides for integrating environmentally preferable purchasing and green building procurement into environmental management systems. In addition, support will continue to be provided to line management in measuring and evaluating the performance of DOE sites pollution prevention and environmentally preferable purchasing activities. Support will be provided to DOE sites in identifying green design criteria, High Performance Sustainable Building principles, and other sustainable environmental stewardship considerations for incorporation into capital asset proposals, and specifications for design and construction of new and retrofit buildings and facilities. Assistance will also be provided in the identification of cost-effective pollution prevention, post-consumer recycling and environmentally preferable purchasing strategies for achieving the Department’s new pollution prevention and sustainable environmental stewardship goals. Further, assistance will be provided to technical pollution prevention personnel regarding pollution prevention opportunity assessment procedures, and to procurement personnel regarding environmentally preferable purchasing policies and procedures.

Other Corporate Environmental Program activities include preparation of DOE environmental reports, including DOE’s annual reports detailing the Department’s progress implementing Executive Order 13101, *Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition*, and Executive Order 13148, *Greening the Government Through Leadership in Environmental Management*. Interface activities with EPA will continue to ensure that preparation of reports to Congress on the status of Environmental Indicators reflect the latest cleanup progress at DOE sites.

Funding provides for the maintenance and operation of the Pollution Prevention Performance Tracking and Reporting System website for use by DOE sites in monitoring and reporting pollution prevention performance. In FY 2008, a review of DOE sites’ toxic chemical release inventory annual reporting data will be performed to validate the Department’s pollution prevention efforts.

Environmental Management System implementation assistance is provided by supporting the review of site-specific environmental performance, identification and implementation of corrective actions, and identification of opportunities for continuous improvement of environmental performance. Support will be enhanced by assisting in the development of environmental performance expectations and measures in operating contract award fee criteria, and evaluation of environmental performance in operating contract award fee determinations.

The enforcement program related to 10 CFR 851, Worker Safety and Health Program is provided for within this activity. FY 2008 will represent the first full year of implementation of this program and will

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consist of reviewing and analyzing corporate safety incident and noncompliance data systems and internally and externally generated inspection and performance reports; conducting onsite inspections to determine if violations of worker safety and health safety requirements occurred; and developing recommendations regarding the issuance of notices of violations and associated fines or other sanctions are warranted. Other program elements include technical assistance to DOE operating elements regarding reporting requirements and enforcement processes. Funding is used to assist in the preparation, review, onsite investigation, and documentation of worker safety and health noncompliance issues. Funding is also used to support the maintenance and operation of the Noncompliance Tracking System, a web-based system used by DOE contractors to report worker safety and health noncompliant events. This existing system, previously used to support nuclear safety noncompliance reporting, was significantly modified and revised to allow worker safety and health noncompliance reporting under 10 CFR 851.

Corporate Safety Programs **0** **0** **7,111**

Corporate Safety Programs serve a crosscutting safety function for the Department and its stakeholders in assuring excellence and continuous improvement in environment, safety and health in the conduct of its missions and activities. Elements that comprise Corporate Safety Programs are: Performance Assessment, the Quality Assurance Program (which includes the Corrective Action Management Program), Filter Test Facility, Information Management, the Facility Safety Program (which includes Accident Investigations and Corporate Safety Basis), Price-Anderson Enforcement, and the Analytical Services Program

These safety programs conduct activities that improve the Department's ability to monitor the status of environment, safety and health across the complex; to proactively identify and resolve emerging safety issues and adverse trends; to assure the quality of environmental data reported to the field from which regulatory compliance and remediation clean-up project decisions are made; and to ensure continuous improvement in the protection of workers, communities, and the environment from the hazards associated with changing DOE missions and activities. These programs also integrate safety into the activities of mission programs, which address security of our energy infrastructure, stockpile stewardship, and accelerated cleanup of DOE's excess sites and environmental contamination.

■ **Corporate Safety** **0** **0** **5,923**

Trending and Analysis of DOE's safety performance in protecting the public, workers, and the environment is conducted by synthesizing operational information to support senior management decision-making and continuous improvement throughout DOE. Funding for this activity provides for the analysis of corporate, program, and site specific safety performance data and metrics, assistance in the monitoring of quarterly Corporate Safety Indicator dashboards, and identification of crosscutting safety performance issues of concern that require management attention. Funding also provides for the development and implementation of improved methods for utilizing safety related data and communication systems (e.g., data mining and display capabilities); utilizing state-of-the-art commercial experience to identify and use leading performance measures to leverage safety performance; and provides for analysis of safety performance tailored to nuclear and worker safety.

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In addition, funding provides for the maintenance and operation and continued expanded use of the Advanced Analytical Tool – SAFEMARK. HSS is currently analyzing and measuring health and safety performance indicators of DOE operations over the past several years and FY 2007. These indicators will be used as a baseline to develop program-specific goals.

Implementation of the Operating Experience Program provides enhanced DOE-wide corporate feedback and improvement crucial in the Department's follow-up to internal and external accidents and events to reduce the potential of recurrence. Funding provides for review of operating experience information, identification of relevant lessons learned, and development of corporate operating experience documents. The DOE Suspect/Counterfeit Items Identification and Investigation Program supports the Department of Justice and other Federal Agency investigations of related fraud. This activity is an ongoing high priority commitment made to the DNFSB by the Secretary. Funding provides for the collection and analysis of data and preparation of the Annual Report of Suspect/Counterfeit Items Activities.

The Quality Assurance Program implements DOE Quality Assurance directives to ensure DOE products and services meet or exceed customers' expectations. Funding provides for directives development and maintenance, nuclear safety Quality Assurance implementation assessments, technical support, training and management of the Central Registry to support effective configuration and control of safety-related Software Toolbox Codes. Included in the Quality Assurance Program is the DOE Corrective Action Management Program designed to track and implement effective resolution of significant safety issues affecting the Department. Funding provides for an annual assessment and report to the Deputy Secretary on the implementation of the DOE Quality Assurance programs.

The Filter Test Facility provides for the testing of all high efficiency particulate air (HEPA) filters used in DOE safety systems (safety class and safety significant) and habitability systems. This 100% testing requirement is based on a commitment to the Defense Nuclear Facilities Safety Board in 2003 due to the nature of the filter usage in DOE facilities in mitigating radioactive exposure to workers, the public, and the environment. DOE-STD-3020-2005, *Specifications for HEPA Filters Used by DOE Contractors*, requires that each filter be tested by both the manufacturer and Filter Test Facility. Approximately 2,600 filters are tested annually. Funding provides for a contractor to continue performing independent inspection and testing of HEPA filters for the Department.

The Accident Investigation Program supports and/or conducts Type A investigations for serious incidents and oversees the conduct of Type B investigations conducted by DOE program elements for less serious incidents. Funding provides for the conduct of Type A investigations; development, review, and publication of accident investigation reports; accident investigation qualification training; verifying completion of approved corrective actions and satisfaction of judgments of need. Funding also provides for maintaining resource databases that include a list of prospective DOE accident investigation board chairpersons, DOE accident investigators, and technical subject matter experts; providing investigative and technical subject matter expertise.

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The Readiness Review Program provides for the conduct of reviews at Category 1, 2, and 3 nuclear facilities prior to authorizing the startup or restart of those facilities. These reviews are being conducted to address inconsistencies and deficiencies in process implementation identified by DOE and the Defense Nuclear Facilities Safety Board. Funding provides for participation in Operational Readiness Reviews /Readiness Assessments, team member/leader training, and technical support to line management. Funding also provides for the development of a draft revision of DOE Order 425.1C and associated Standard 3006-2000.

The Corporate Safety activity provides funding to the Federal Energy Regulatory Commission (FERC) to provide periodic safety inspections, through a Memorandum of Agreement, that assures the structural integrity of dams and other water impoundment structures owned by DOE and to ensure compliance with the Federal Guidelines for Dam Safety as part of the National Dam Safety Program.

The DOE Nuclear Safety Enforcement program is implemented throughout the Department in accordance with the Price-Anderson Amendments Act of 1988 to enforce compliance with DOE nuclear safety regulations at DOE sites. Enforceable nuclear safety regulations include 10 CFR 820, 10 CFR 830, 10 CFR 835 and 10 CFR 708. The goal of the program is to promote proactive behavior on the part of DOE contractors to continuously improve nuclear safety performance through the timely self-identification, reporting, and correction of nuclear safety deficiencies. Funding is used in preparation, review, onsite investigation, and documentation of nuclear safety noncompliance issues; daily administration, quality control reviews, and data analysis of contractor noncompliance reports submitted in the Noncompliance Tracking System; and in the development of Price-Anderson Coordinator Training.

■ **Analytical Services** 0 0 1,188

The Analytical Services Program assists DOE operating entities in determining environmental sampling protocols and provides a corporate service to the Department by conducting quality assurance audits of environmental laboratories used by the sites in support of environmental compliance programs. Audits of laboratories used by DOE entities ensures environmental analytical laboratory data reported to DOE sites through contractual agreements is of high quality and reliability, and assures that data is technically and legally defensible to support regulatory compliance and environmental remediation and clean-up projects. This program reduces redundant field audits of commercial analytical laboratories and treatment, storage and disposal facilities, resulting in a cost savings of \$1.3 million to DOE program offices. Additionally, development software toolkits and training support DOE field element sites for determining the right quantity and quality of environmental field sampling (water, air, soil, vegetation biota, and fauna tissue), as well as systematic planning relative to regulatory compliance and the Department's clean-up mission.

Health Programs 0 0 40,803

Health Programs support domestic health studies including the Former Worker Program (a nationwide program of medical screening to identify work related health effects) and studies to investigate and

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identify work related injury and illness in the DOE worker population and populations surrounding DOE sites. Also, international health studies are conducted to support radiation health effects research in Japan, the Marshall Islands, Russia, and Spain. The benefits of these projects and programs include discovery and documenting health effects outcomes that provide the scientific basis for national and international worker protection policy and standards. These radiation protection standards and practices, in turn, provide levels of protection appropriate for the risk posed to workers by hazards present at DOE sites.

■ **Radiation Effects Research Foundation** 0 0 14,000

The Radiation Effects Research Foundation (RERF), under a bi-national agreement between the United States and Japan, conducts epidemiologic studies and medical surveillance of the survivors of the atomic bombings of Hiroshima and Nagasaki. Results from the Life Span Study of the survivors continue to provide the scientific basis for standards setting organizations that establish national and international radiation protection policy. Revisions of epidemiologic data on cancer incidence in relation to radiation dose are based on the recently published reassessment of doses received by the Japanese survivors. In FY 2008, a bi-national senior review panel will provide recommendations on the future of RERF that will serve as the primary planning document for DOE's future role in the management and support of the program.

■ **Marshall Islands Program** 0 0 6,000

The Marshall Islands Program supports Public Laws 99-239 and 108-188, the Compact of Free Association between the United States and Republic of the Marshall Islands. The program includes a special medical care program for a small cohort of radiation-exposed individuals in the Marshall Islands and supports field science and radiological monitoring to assist decision-making on the resettlement of the displaced Atoll populations. FY 2008 funding provides for continued whole-body counting and plutonium analyses for this population and comprehensive annual screening examinations and total cancer care. Whole-body counting technologies will continue to be the centerpiece of the DOE's environmental/radiological monitoring program at Majuro, Enewetak, and Rongelap.

■ **Other Health Programs** 0 0 20,803

• **Occupational Health** 0 0 12,470

The Former Worker Medical Surveillance Program, mandated by Congress in the FY 1993 Defense Authorization Act (PL 102-484), requires DOE to assist workers with determining whether they had health issues related to their prior work with DOE. External teams of independent health experts are funded to offer medical screening to interested individuals among the 400,000-person former DOE federal and contractor workforce. The program includes a preliminary site assessment to identify groups of at-risk workers and DOE site-specific exposures and medical screening that includes examinations, which check for adverse health outcomes potentially related to occupational exposures such as beryllium, asbestos, silica, lead, cadmium, chromium, and solvents. The program is conducted using 10 cooperative agreements

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held by consortia of universities, labor unions, and commercial organizations with expertise in administration of medical programs. Former workers from all DOE sites are served through clinics in close proximity to their residences, and the program expects to screen up to 10,000 individuals in FY 2008.

The Radiation Emergency Accident Center/Training Site maintains the capability to provide rapid medical expertise, response and physician training to address radiological accidents.

The Beryllium Associated Worker Registry (required by 10 CFR Part 850, Chronic Disease Beryllium Prevention Program) is a surveillance registry of 14,000 current workers at 20 sites. The medical and industrial hygiene data provides a better understanding of beryllium disease and can help determine the effectiveness of the Chronic Disease Beryllium Prevention Program. The Beryllium Tissue Repository collects and stores tissue samples donated by current and former DOE workers who were exposed to beryllium. These tissues will be transferred to the National Institute of Health so that other investigators may have access to them to further research in this area.

• **Public Health** 0 0 1,977

DOE funds the Department of Health and Human Services to conduct health studies and public health activities relevant to DOE workers and residents of communities neighboring DOE sites across the United States. These activities are conducted by the National Institute for Occupational Safety and Health, the National Center for Environmental Health, and the Agency for Toxic Substances and Disease Registry through three interagency agreements. A review of this program has recently been completed by the National Academy of Sciences. The results of that review (a public release is expected in January 2007) may have a major impact on this program. In FY 2008, the National Institute for Occupational Safety and Health will complete a mortality study of Fernald workers and a case control study of multiple myeloma at the Oak Ridge Gaseous Diffusion Plant (K-25). In FY 2008, the National Center for Environmental Health will plan a directed environmental dose reconstruction based on the findings of the Los Alamos Historical Document Retrieval Assessment. In FY 2008, the Agency for Toxic Substances and Disease Registry will publish final Public Health Assessments for Brookhaven National Laboratory, Los Alamos National Laboratory, Savannah River Site, and Hanford and will conduct public health education relating to these reports. They will also complete toxicological profiles for materials pertinent to DOE sites.

• **Epidemiological Studies** 0 0 3,056

The Illness and Injury Surveillance Program, evaluates potential health impacts of DOE operations for nearly 85,000 workers at 13 sites. The Comprehensive Epidemiologic Data Resource (CEDR) is an electronic database maintained at Lawrence Berkeley National Laboratory which allows investigators access to data from studies funded by DOE. CEDR processes about 130,000 queries per month. The U.S. Uranium and Transuranium Registries is operated by Washington State University and is a research program that studies the distribution

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and possible biological effects of plutonium and other heavy metals in voluntarily donated post-mortem human tissues. This information is used to improve DOE's ability to estimate internal doses attributable to the intake of long-lived radioactive materials and support the maintenance of Departmental policies.

• **International Health Studies** 0 0 3,300

The Russian Health Studies Program assesses worker and public health risks from radiation exposure resulting from nuclear weapons production activities in the former Soviet Union. DOE supports radiation dose reconstruction studies, epidemiologic studies, molecular and radiobiological studies, and a tissue repository. Radiation cancer risk estimates are used to validate and/or revise national and international radiation protection standards and practices. In FY 2007, researchers published new cancer risk estimates for 18,800 Mayak workers, including cancer risk estimates from inhaled plutonium, as well as for the residents of surrounding communities. In FY 2008, researchers will request Food and Drug Administration approval for a radiation biomarker blood test and an *in vitro* diagnostic product, and publish a method for computing individual (versus group) past radiation doses for members of communities surrounding Mayak.

The Palomares Program is a jointly sponsored effort of the United States and Spain, under a bi-national agreement, to provide medical surveillance of the exposed population and environmental monitoring of the area of plutonium contamination as a result of a U.S. Air Force aircraft accident over Palomares, Spain, in 1966. In FY 2008, the final plan will have been prepared by Spain for managing residual contamination at the Palomares site.

Employee Compensation Program 0 0 3,000

This activity funds DOE's efforts in support of the implementation of the Energy Employees Occupational Illness Compensation Program Act (EEOICPA) by the Department of Labor. DOE assists the Department of Labor, the National Institute for Occupational Safety and Health, and the Advisory Board on Radiation and Worker Health by providing access to all available records and information needed to support claims filed by DOE contractor employees and to enable the Department of Labor to fulfill its responsibilities.

Nuclear Safeguards and Security 0 0 232,376

Nuclear Safeguards and Security activities provide support to Federal staff for security policy development, interpretation, and guidance; the development and conduct of security and safety training; overseeing the development, application, and deployment of new security technologies throughout DOE; and development and management of the Department's classification, declassification, and controlled information program as well as specialized security support related to security issues and incidents tracking; nuclear materials accountability; foreign visits, assignments; and foreign ownership, control or influence programs. Nuclear Safeguards and Security also provides operational support to DOE Headquarters by managing the physical protection and security of DOE facilities and information in the National Capital Area.

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Safeguards and security policies and other guidance materials are developed and maintained to ensure the Department's programs are responsive to national security needs and changing threat environments, and enable line management, through Headquarters and field organizations, to implement effective security programs in a timely manner. Security and safety training is provided to develop and maintain the proficiency and competency of DOE security and safety personnel in support of the President's and the Department's human capital management strategies thereby ensuring the protection of the public, the Departmental workforce, critical assets, and national security. National laboratory resources are utilized to develop and deploy the most promising and urgently needed technologies pertaining to nuclear material safeguards and physical security, emphasizing engineering in place of administrative controls to diminish the Department's reliance on increased manpower levels as the primary means to strengthen security programs. In addition, nuclear material control and accountability processes are developed in order to provide information necessary to track nuclear material for the purposes of satisfying statutory requirements and international obligations; developing and/or providing protection of the material both for safety and security purposes; and managing sensitive nuclear materials in support of nuclear materials consolidation, nuclear nonproliferation, emergency response, and material disposition planning efforts.

Centralized information management pertaining to security issues, risk management, vulnerability assessments, nuclear/biological/chemical protection; and foreign visits and assignments programs is provided, which enables DOE and other Federal agencies to determine the potential for an undue risk to individual sites, the Department as a whole, and/or the common defense and national security. Information control programs help to mitigate national security threats by preventing competitors and adversaries from unauthorized acquisition of information regarding weapons of mass destruction or other matters for which DOE is responsible. This program is accomplished, in part, by developing policies and guidance to identify information warranting protection and developing the associated protection requirements.

This activity also provides DOE Headquarters with round-the-clock services pertaining to physical protection and security for DOE operations in the National Capital Area ensuring the safety of DOE and visiting personnel and Departmental and other U.S. Government assets and facilities.

■ Operational Support	0	0	204,858
• Specialized Security Activities	0	0	150,815

Funding is provided to identify and communicate information necessary to ensure adequate protection of the Department's national security assets by providing relevant, timely, objective and unbiased analysis of data from multiple sources. This activity coordinates, directs, and performs highly specialized activities to protect DOE assets through the analysis of information using a highly specialized workforce.

• Security and Safety Training	0	0	14,756
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Funding is provided to develop and maintain the proficiency and competency of DOE safety and

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security personnel through standardized training, education, and professional development services; and to conduct workforce analyses and career development programs required for the protection of the environment, safety, and health of the public, Departmental workforce, and critical assets and national security. The DOE National Training Center (NTC), in Albuquerque, NM, is the designated DOE Center of Excellence for safety and security training and the primary resource for performing these functions.

Course curriculum development and presentation of training represent the largest portion of the funding base. Funding is used to support the NTC safety training program and the nuclear security training operations including the development and presentation of weapons firing courses and instruction and academic courses to qualify security personnel for security duties throughout DOE. Additionally, funding supports specialized courses in personnel security, information security, nuclear materials control and accountability, security survey, and vulnerability assessments. Training is provided to the DOE security complex utilizing the facilities at the NTC and other DOE sites, e.g., Los Alamos National Laboratory, as well as through the DOE's safety and security distance-learning program. NTC also deploys mobile safety and security training teams to DOE field sites to maximize cost savings while maintaining the integrity of training.

In support of the President's Management Agenda regarding the strategic management of human capital and the Department's Human Capital Management Strategic Plan, the NTC continues to develop and provide professional development programs for security and safety personnel. These programs are part of the Department's strategic planning instruments for addressing the experience drain within the security and safety communities by providing comprehensive training courses to support the Department's professional development requirements and addresses the Secretarial Security Initiatives regarding the strengthening of security human capital expertise.

In addition to course development, funding supports the operation and maintenance of NTC facilities. NTC facilities are spread across four distinct areas permitted to DOE by the U.S. Air Force and the U.S. Forest Service. Additionally, space no longer used by the Air Force and Sandia National Laboratories, is used for storage of sensitive items (e.g., weapons and ammunition). Operation and maintenance funding also provides for utility and telecommunications services for Federal and contractor personnel for the management of support programs necessary to provide for a safe, secure, and environmentally sound operation that conforms with the requirements of Departmental Directives, the Occupational Safety and Health Administration, the Environmental Protection Agency, and state and local laws and regulations.

• **Security Operational Support** **0** **0** **14,345**

Security Operational Support activities provide technical and field expertise to Federal staff to support developing and evaluating implementation of Department-wide security requirements; develop and disseminate security awareness information; maintain various security-related data base systems; manage the foreign ownership, control, or influence and foreign visits, and

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assignments programs; conduct vulnerability assessments in support of the implementation of the Design Basis Threat Policy; and maintain systems to inventory and track nuclear material for the purposes of satisfying statutory requirements and international obligations and treaties and providing protection of the material.

Information used throughout the DOE complex regarding security issues related to policy implementation is maintained in the Safeguards and Security Information Management System (SSIMS), a centralized classified browser-based database that serves as the master repository of current and historical DOE security deficiencies, from both internal and external sources, and associated corrective actions. This system allows for the trending and analysis of security concerns in order to identify systemic security issues and areas that may require additional oversight, or indicators of continuing or future security concerns within DOE. The database also maintains facility security ratings, a listing of facility security officers for more than 2,000 cleared DOE facilities, classified mailing addresses for over 500 facilities authorized to receive classified information, and classified contracts, inspections, and surveys to include initial and quarterly updates to corrective action plans. The system also provides a central repository for deviations from security requirements. Funding supports operational and basic maintenance of the database and upgrades to the secure communication hardware.

Information regarding incidents of security concern (e.g., involving unauthorized disclosures of classified information, accidental discharges of weapons, and missing special nuclear material) is maintained in the Incident Tracking and Analysis Capability (ITAC) database, which is scheduled to be integrated into SSIMS. Funding supports the operation of the system and routine trending and analysis reports for use by various Departmental entities. Funding also provides for field assistance activities associated with the continued rollout of remote ITAC terminals at Headquarters and field locations.

Security Operational Support also provides risk management, vulnerability assessment, and security system performance evaluations, verifications, and validations for identification and clarification of threats to Departmental assets; and development of innovative concepts to mitigate emerging threats at the field site level. This program provides security input through the various phases of design review and line item construction projects and also provides technical support to the Departmental elements regarding design, construction, and the physical and technical review of Sensitive Compartmented Information Facilities. This activity provides for the development, evaluation, review, and the consistent application of the Design Basis Threat Policy implementation. Further, this activity also ensures consistency in curriculum development for vulnerability assessment training that is required for necessary computer-based and manual assessment tools utilized in the implementation of the Design Basis Threat Policy.

Funding supports the continued implementation of the enhanced DOE standard vulnerability assessment process allowing the Department to accurately and equitably evaluate the security protection posture at the site level and across the DOE complex, and develop and test necessary enhancements to security systems. Onsite field assistance provides for the development and

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review of Site Safeguards and Security Plans and the associated vulnerability assessments at the Department's most critical facilities. Onsite field assistance also provides for independent, technical experts to ensure comprehensive, equitable, and cost-effective security protection program evaluation and testing. This program supports Joint Tactical Simulation/Joint Conflict and Tactical Simulation (JCATS) modeling, force-on-force exercise expert adversary teams, facility security system and program characterization, threat clarification and identification, physical security system reviews, and security survey support.

Security Operational Support funding provides subject matter and technical expertise in a wide variety of security disciplines to assist in the analysis of security policies in the context of National level drivers, and the development of security requirements and performance measures related to security program planning and management (e.g., Site Safeguards and Security Plans, facility clearances, and surveys and self assessments); information security; physical protection systems; protective force operations; personnel security; and nuclear material control and accountability. Funding also provides for the conduct and management of quality panels consisting of subject matter experts from field locations who provide feedback for keeping security policies current and effective. Other security-related support provides for expert advice and assistance in the development of requirements for physical security systems; explosive detection systems, and integrated alarm management and control systems. This funding also provides for activities necessary to physically add and/or update DOE security-related policies.

Security Operational Support provides for technical expertise in support of the Human Reliability Program, which is designed to ensure that individuals who occupy positions with access to special nuclear materials, nuclear explosive devices, or related facilities and information meet the highest standards of reliability and physical and mental suitability. Funding provides for the development and distribution of new Human Reliability Program products such as training and awareness materials to meet new requirements or to enhance existing program elements that are required to satisfy the provisions of 10 CFR 712; and for research on medical, legal, and safety topics in support of guidance development and amendment of requirements. Human Reliability Program products are utilized by program enrollees, medical staff, certifying officials, and supervisors. Support is also provided to the Personnel Security Program, particularly in the area of interface with the Human Reliability Program and in the development of training and awareness materials.

Department-wide security awareness support is provided through the Security Awareness Special Interest Group, a long-standing professional organization of DOE and contractor Safeguards and Security Awareness Coordinators. This group provides a mechanism for sharing awareness methods and products, solving problems, and disseminating security-related information to satisfy Presidential and regulatory requirements. Funding provides security awareness coordinators the tools and information needed to communicate information to employees regarding threats to security and the individual's role within the security program as protection levels and strategies change or are increased. The President's electronic Government initiative concepts are incorporated into this activity by utilizing electronic information systems for the

(dollars in thousands)

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delivery of required security briefings and other security information. Funding also provides for monthly teleconferences, an annual workshop, and a group web site.

This activity provides for the maintenance of the DOE Foreign Ownership, Control, or Influence (FOCI) electronic data system in support of the FOCI program required under Executive Order (E.O.) 12829, *National Industrial Security Program*, and implemented via the *National Industrial Security Program Operating Manual*. Funding supports the three part electronic foreign ownership, control, or influence (eFOCI) web-based system that supports the FOCI program to determine whether potential or existing contractors of the Department are owned, controlled, or influenced by a foreign entity and, as a result, exhibit the potential for undue risk to national security. This e-Government initiative, chosen for the DOE Innovative Department of Energy E-Government Applications Program (IDEA) by the DOE Management Council in 2002, reduces the time necessary for submission, analysis, and determination of information prior to award of contracts by 70 percent. This application converts the inefficient paper based FOCI operation to a fully electronic process. It also provides the ability to tailor solutions for classified contracts necessary for local operational needs and missions

Funding also supports the operation and maintenance of the eFOCI Submission Site for contractors, the eFOCI Processing Site for Federal FOCI field managers, and the Analytical Tools Module for DOE Headquarters FOCI managers. The Analytical Tools Module provides the capability to perform sophisticated searches and analyses of FOCI data for security and counterintelligence analytical products. Funding also supports continued development of reporting functions, system administration and operation, cyber security, user training and assistance, and program management.

Specialized security support provides for the implementation of the Foreign Visits and Assignments Program to manage the security aspects of DOE interactions with foreign nationals visiting or assigned to DOE sites. The Foreign Visits and Assignments Program is required by Presidential Decision Directive - 61, *Energy Department Counterintelligence*. The Foreign Visits and Assignments Program includes systems used to provide accountability for, and to report to internal DOE management and external authorities on, the presence of foreign nationals at all DOE facilities. Funding supports the operation and upgrade of the Foreign Access Central Tracking database system (FACTS). The database speeds the processing of visitor requests and allow the large volume of such requests to be managed by fewer personnel.

Funding also provides for the performance of annual assessments and updating of policies for unclassified foreign visits and assignments, and for classified visits; management of DOE activities related to Department of State exchange visitor program requirements; and response to mandates from the Department of Homeland Security related to foreign visitor security and visa requirements.

Global nuclear materials accountability activities provide for the maintenance and operation of the Nuclear Materials Management and Safeguards System (NMMSS). NMMSS is an electronic

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information system comprised of software, hardware, procedures, and reports and meets the statutory requirements of the Atomic Energy Act of 1954, as amended and international treaties. NMMSS is the central component of the U.S. Government's accounting system for the possession, use, and shipment of nuclear material within the United States and abroad. NMMSS is funded jointly by DOE and the U.S. Nuclear Regulatory Commission (NRC) and is used to collate, maintain, and report data regarding nuclear material inventories, material balances, and transactions of U.S. Government-owned, foreign obligated, and privately owned nuclear material. Reports derived from NMMSS are provided to U.S. Government organizations including the NRC and the Department of State, the International Atomic Energy Agency, and foreign governments that receive U.S.-owned nuclear materials

Nuclear material management and safeguards data from more than 700 Federal and commercial nuclear facilities is tracked on a "by site" basis. NMMSS supports the detection, assessment, and reporting of loss, diversion, or theft of nuclear materials. NMMSS supports implementation of the Department's Design Basis Threat Policy in the identification of attractive targets for adversary attack, thereby assisting in the prioritization, development, and deployment of protection for the most critical assets. Accounting for nuclear materials is required by DOE Order 470.4, *Safeguards and Security Program* through DOE Manual 470.4-6, *Nuclear Material Control and Accountability*.

The primary tool developed to provide nuclear materials accountability within DOE at the site level is the Local Area Nuclear Material Accountability Software (LANMAS). LANMAS is a tool designed specifically to provide DOE sites with a standardized application for tracking nuclear material by item and location. The software application can be used on both stand-alone and local area network computer systems. LANMAS supports accurate and timely onsite nuclear material inventory information and is used, in combination with other site security elements, to account for, detect, assess, and report the potential theft or diversion of nuclear materials. LANMAS also has the potential to be integrated with site processing operations aligned with the Department's enterprise architecture to improve efficiencies and reduce costs associated with safeguarding and managing nuclear materials. Information managed by this software is used to account for day-to-day activities at the site level, perform corporate-level quality assurance activities regarding material transactions, and provide timely, information regarding the location of material throughout the DOE complex for use in emergency response management. LANMAS demonstrates a cost savings for DOE by minimizing duplication of software development. Funding provides for one proposed upgrade to LANMAS; support to sites when software deficiencies are identified, and one LANMAS users meeting.

The primary tool for inventorying radioactive sealed source materials throughout the Department is the Radiological Source Registry and Tracking (RSRT) database. The RSRT database supports nonproliferation programs and assists in the mitigation of the threat of "dirty" bombs by providing the Department with an inventory tool to meet international guidance for registering and inventorying high-risk sealed sources, and assists in the analysis for the determination of potential radiological sabotage targets. Information in the RSRT database can be used to

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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monitor the location and use of sealed sources; detect and act on discrepancies in inventory; assist in vulnerability analyses and emergency response activities, and thus provide greater security and management for high-risk radioactive sealed sources. The RSRT database will be used by DOE to report to the National Source Tracking System once the Nuclear Regulatory Commission promulgates final rules and establishes an operational system as prescribed in the Energy Policy Act of 2005.

• **Headquarters Security Operations** **0** **0** **24,942**

Headquarters Security Operations comprise a security protective force and operation of the countermeasures, alarms, and access control equipment and systems designed to provide protection of DOE Headquarters' facilities and assets.

Funding provides for a security protective force engaged in the physical protection of DOE Headquarters classified information and facilities in the National Capital Area. Physical protection and access control is provided 24 hours a day, 365 days a year at the Forrestal and Germantown Buildings, and satellite facilities in Washington, D.C., and Germantown, MD, respectively.

This activity includes the Technical Surveillance Countermeasures Program (TSCM) and Security Alarms and Access Control System (SAACS). TSCM, required under Presidential Decision Directive - 61, *Energy Department Counterintelligence*, provides for technical surveys, inspections, in-conference monitors, and pre-construction consultation services as well as technical threat analysis for DOE Headquarters and DOE contractor facilities in the greater Washington, D.C., area for the purpose of detection and denial of hostile intelligence collection operations bent on penetrating Headquarters' sensitive installations to steal technology or sensitive or classified information. Funding also provides for the acquisition, maintenance, and upgrade of unique countermeasures equipment. SAACS provides for the operation and maintenance of equipment and technology including security screening equipment, vehicle inspection scanning devices, low-light closed circuit TV monitoring, and nuclear, biological and chemical detection devices; turnstiles; and other access control equipment used at DOE Headquarters facilities in the National Capital Area. Funding supports various maintenance/upgrade contracts to ensure that the system operates in compliance with DOE security policy and operational requirements.

Protective force operations funding also provides for security briefings for DOE Federal and contractor employees, other personnel granted DOE access authorizations, and non-DOE personnel granted unescorted access to Departmental security areas for DOE Headquarters facilities in the National Capital Area as required under Executive Order (E.O.) 12829, *National Industrial Security Program*, and implemented via the *National Industrial Security Program Operating Manual* and DOE Manual 470.4-1, *Safeguards and Security Program Planning and Management*. The Order requires initial briefings for all DOE employees, comprehensive, refresher, and termination briefings for all personnel granted DOE access authorizations, and appropriate awareness briefings for non-DOE personnel granted access to DOE security areas.

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Funding provides for the development and distribution of security awareness materials (e.g., brochures, posters, and books) and computerized briefing presentations.

■ **Security Technology Development and Systems**

Deployment **0** **0** **15,840**

The Security Technology Development and Systems Deployment activity provides technology-based solutions to known security vulnerabilities throughout the DOE complex as an alternative to costly increases in manpower needed to implement the Design Basis Threat Policy, and provides technologies to counter threats for which no current defensive capability exists. The activity identifies and evaluates commercial technologies to ensure system performance is commensurate with operational security requirements before such technologies are purchased and deployed to protect critical national security assets. Funding also provides for the modification of existing technologies, development of new technologies, and deployment of technologies to meet security requirements in the most cost effective manner possible.

Funding is used to address the broad spectrum of the Department's security mission to include physical security systems, protective force technologies and tactics, nuclear materials control, as well as nuclear, chemical, and biological defenses. The focus of this activity continues to provide/deploy technical solutions in response to validated requirements identified through the Design Basis Threat Site Assistance Visit process, comprehensive inspections, or other site-specific assessments conducted by HSS or the host site. The primary security capability areas to be addressed include: 1) early adversary detection through exterior sensors and airborne platforms with sensor payloads capable of scanning several kilometers beyond the fence line, and embedded sensors at the target location to instantaneously alarm to unauthorized tampering or movement of materials; 2) support of a highly effective tactical response force through advanced weaponry, distributed situational awareness capabilities, all-weather target acquisition optics, non-pyrotechnic breaching kits, and improved survivability for response forces through the deployment of armored fighting positions, vehicles and command centers; 3) denial and neutralization capabilities at the target to include robotic weapons, incapacitating technologies, or combinations thereof; and; 4) the integration of site-wide security technology components and systems into a unified tactical operations center for greatly enhanced command, control, communications and intelligence information.

Funding also supports efforts to protect DOE facilities, assets, and personnel from terrorist use of weapons of mass destruction (nuclear, biological, chemical, and bulk explosives) in order to gain access to nuclear materials or disrupt DOE capabilities critical to national security. This multifaceted initiative has sub-elements to address lethal chemical and explosives protection analysis at multiple nuclear facilities; site-specific deployment and placement of chemical agent detectors throughout the complex; deployment of lethal response capabilities impervious to weapons of mass destruction effects within special nuclear material storage locations; and technical support for implementation of nuclear, biological, and chemical protection technologies at critical security nodes such as central alarm stations and protective force response locations.

(dollars in thousands)

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Included within this overall activity is funding for activities associated with the successful deployment and transition of security technologies into Departmental operational facilities. Funding provides for the resolution of administrative, safety, and legal issues, in a timely manner to avoid significant delays in fielding effective security technological solutions.

■ **Classification, Declassification and Controlled Information**

0 0 11,678

The Classification, Declassification and Controlled Information activity ensures the Department meets its statutory responsibility to implement the U.S. Government-wide program to classify and declassify nuclear weapons-related technology (i.e., Restricted Data and Formerly Restricted Data) and to implement the requirements in Executive Order, as amended, to classify other information that is critical to the national security (i.e., National Security Information). This program also identifies information that is controlled under statute to protect national security (i.e., Unclassified Controlled Nuclear Information), and other governmental, commercial, and private interests (i.e., Official Use Only information).

Funding is used to assist the Federal staff in the development and issuance of U.S. Government and Department-wide policy and technical guidance to ensure that classified nuclear weapons-related information and other information assets critical to national security and to other governmental, commercial, or private interests are identified for proper protection. Funding provides limited specialized technical expertise support to consider the national security implications of classification and declassification decisions for very complex nuclear proliferation issues and maintain existing classification guides. Funding also provides for the conduct of training and certification of DOE and other agency personnel in classification and information control programs and related areas to fulfill requirements identified in DOE regulations, orders, manuals and agreements with other agencies in accordance with public law.

Funding provides for the review of documents in response to litigation or other requests, to ensure that classified and controlled information is identified and protected from unauthorized release to the public. Further, as resources permit, DOE reviews other agency documents referred under Section 3.3 of Executive Order 12958, as amended, and DOE permanent record collections that have become 25 years old, and performs quality control reviews of other agency document collections slated for public release.

Funding for this activity also provides for the final review of classified DOE documents and documents containing DOE equities from all Federal agencies requested under the Freedom of Information Act (FOIA) to ensure that DOE classified and controlled information is identified and protected from unauthorized release to the public. Other Federal agencies do not have the requisite expertise in DOE classified programs to perform their own classification reviews of DOE equities in order to remain in compliance with FOIA. Furthermore, other Federal agencies are prohibited from conducting such reviews under 10 CFR Part 1045.

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Security Investigations 0 0 37,836

Security Investigations activities manages funding for background investigations associated with providing access authorizations to DOE Federal and contract personnel who, in the performance of their official duties, require access to classified information or certain quantities of special nuclear material. Background investigations are required by Section 145 of the Atomic Energy Act of 1954, as amended, and Executive Order 12968. The investigations are performed and access authorizations granted based on Title 10, Code of Federal Regulations, Part 710, *Criteria and Procedures for Determining Eligibility for Access to Classified Matter or Special Nuclear Material*.

This activity provides for the centralized management of access authorizations (clearances) that allow employees and contractors access to classified information and special nuclear material. Background investigations are performed in accordance with DOE Order 470.4, *Safeguards and Security Program*, and DOE M 470.4-5, *Personnel Security*, both dated August 26, 2005, by either the Federal Bureau of Investigation or the Office of Personnel Management, as required by law or Departmental regulations. The management of access authorization data is performed in a cost-effective, efficient, manner via the use of electronic databases and Internet-capable tools that comprise the electronic DOE Integrated Security System+ (eDISS+). These electronic tools support and track the adjudication process from the beginning to the disposition of the access authorization request.

■ **Federal Bureau of Investigation (FBI)** 0 0 1,299

The FBI conducts background investigations for DOE Federal personnel for positions of high degree of importance or sensitivity dictated by the National Defense Authorization Act, DOE M 470.4-5, *Personnel Security*, and DOE Order 470.4, *Safeguards and Security Program*. Funding provides for initial background investigations, periodic reinvestigations, and reimbursement for fingerprint and name checks.

■ **Office of Personnel Management** 0 0 33,201

OPM conducts the majority of background investigations for DOE Federal personnel and contractors. Funding provides for initial Single Scope Background Investigations, periodic reinvestigations, and initial and reinvestigation National Agency Checks.

■ **Access Authorization Information Management** 0 0 3,336

This activity provides for the management of all aspects of access authorization data. The process of investigating, granting, and subsequent management and tracking of access authorizations requires the maintenance of large amounts of data for long periods of time, both for personnel who are granted access authorizations and for those who are not. The primary system for performing this function is the electronic DOE Integrated Security System + (eDISS+), which consists of a series of interrelated electronic databases and associated client applications and web pages that automate the processing and tracking of access authorization requests and integrate the access control process. This system greatly reduces the amount of time spent on managing and preserving the integrity of the data as the information flows between physical locations and organizations and allows DOE

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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security personnel to receive, process, review, and submit access authorization information to the Office of Personnel Management (OPM).

The primary database of eDISS+ is the Personnel Security Interface, which contains all the personal data collected via the Standard Form - 86, Questionnaire for National Security Positions, that all personnel requesting a clearance are required to complete. eDISS+ also includes the Central Personnel Clearance Index database that maintains the status of access authorizations at the site and national level. The Visitor Access Database and Classified Visitor Control System contain data in centralized databases for nationwide access by DOE personnel and contractors concerning access authorizations and inter-site visits for use in providing access to facilities and information. eDISS+ supports the President's Management Agenda in the electronic Government initiative, but does not duplicate the e-Clearance authorization initiative managed by OPM. Funding provides for the continued operation and maintenance and for the maintenance of system user information.

Funding in FY 2008 provides for completing the development phase of a new module to eDISS+ to assist the Department in the re-engineering and improvement of the personnel security process. The Personnel Security Case Management System is being designed to modernize and consolidate existing personnel security applications and inter-related business functions; e.g. Human Resources, Security Awareness briefings, Financial Reporting, and the Human Reliability Program. The new system is designed to be a single source for obtaining information on an individual complex-wide thus supporting the President's electronic government management agenda.

Total, Health, Safety and Security	0	0	329,305
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Explanation of Funding Changes

FY 2008 vs. FY 2007 (\$000)

Funding was transferred from the Office of Environment, Safety and Health and the Office of Security and Safety Performance Assurance within the Other Defense Activities and Energy Supply and Conservation appropriations.

Total Funding Change, Health, Safety and Security

+329,305
+329,305

Program Direction

Funding Profile by Category

(dollars in thousands/whole FTEs)

	FY 2006 ^a	FY 2007 ^a	FY 2008
Kansas City Site Office			
Support Services	0	0	1,200
Total, Kansas City Site Office	0	0	1,200
Full Time Equivalents	0	0	0
Headquarters			
Salaries and Benefits	0	0	64,772
Travel	0	0	3,482
Support Services	0	0	15,804
Other Related Expenses	0	0	14,785
Total, Headquarters	0	0	98,843
Full Time Equivalents	0	0	437
Total Program Direction			
Salaries and Benefits	0	0	64,772
Travel	0	0	3,482
Support Services	0	0	17,004
Other Related Expenses	0	0	14,785
Total, Program Direction	0	0	100,043
Total, Full Time Equivalents	0	0	437

Mission

Program Direction provides the Federal staffing, support services, and other resources and associated costs required to provide overall direction and execution of the Office of Health, Safety and Security (HSS) mission.

HSS performs functions that support the mission of the Department. These functions include:

- developing, promulgating, and maintaining clear and consistent health, safety, environment and security strategies and policies;

^a FY 2006 and FY 2007 funding and FTE for these activities are included in the Office of Environment, Safety and Health and the Office of Security and Safety Performance Assurance budget submissions within the Other Defense Activities and Energy Supply and Conservation appropriations.

- providing assistance to Headquarters and field elements in the implementation of health, safety, environment, and security policies and requirements;
- providing technical assistance to program offices and field elements on complex health, safety, environment, and security problems and interfaces;
- managing and maintaining corporate level health, safety, environment, and security data management systems;
- providing analysis of Department-wide safety and security performance;
- developing and providing standardized, comprehensive security and safety training and professional development programs throughout the Department;
- conducting independent oversight performance appraisals to verify that the Department's security interests are protected; the Department can effectively respond to emergencies; and site workers, the public, and the environment are protected from hazardous operations and materials.
- implementing safety and security enforcement programs;
- providing effective cross-organizational leadership in resolving DNFSB-related technical and management issues necessary to ensure public health and safety;
- promoting corporate safety-based quality assurance programs;
- managing the accident investigation program;
- implementing medical surveillance and screening programs for current and former workers and supporting the Department of Labor in the implementation of the Energy Employees Occupational Illness Compensation Program Act (EEOICPA);
- conducting domestic and international health studies to determine worker and public health effects from exposure to hazardous materials associated with Department operations;
- identifying and managing the deployment of advanced security technologies;
- developing and implementing Department-wide nuclear and radiological materials tracking and accounting programs;
- managing the U.S. Government-wide program to classify and declassify nuclear weapons-related technology and implementing the requirements of Executive Order 12958 regarding the classification and declassification of information that is important to national security;
- managing the Department's security investigations budget and personnel security programs associated with providing access authorizations to DOE Federal and contract personnel;
- managing the Department's protective force for DOE facilities in the National Capital Area, including providing executive protective services for the Department.

Detailed Justification

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Salaries and Benefits 0 0 64,772

Funding provides for 437 Federal full-time equivalents (FTEs) with the technical expertise needed to carry out the HSS mission described in the Health, Safety and Security subprogram plus perform the independent oversight mission and provide effective cross-organizational leadership in resolving Defense Nuclear Facilities Safety Board-related technical and management issues necessary to ensure public health and safety. Salaries and benefit estimates are based on Government-wide economic assumptions. Funding for full-time permanent employees includes salaries and other personnel benefits, such as cash incentive awards, lump sum payments, Senior Executive Service and other performance awards, and worker's compensation, and provides for the skills and expertise required to carry out the mission of SSA.

Travel 0 0 3,482

Travel includes all costs of transportation, subsistence, and incidental travel expenses incurred by HSS Federal employees in accordance with Federal Travel Regulations. HSS travel is necessary to conduct health, safety, and security operations and independent oversight activities for the Department. Extensive travel is required for HSS personnel to perform executive protection activities for the Secretary, and other dignitaries as assigned.

Support Services 0 0 17,004

HSS has analyzed its use of support services and has established specific criteria for its efficient use. While HSS has some unique expertise, technical contractual support services continue to be a practical and cost-effective method for supporting the Federal staff, as needed. The evolving need for world-class expertise in a multitude of disciplines can best be met through the use of contractors who can rapidly respond to the continually changing skill mix required to perform health, safety, and security and independent oversight activities across the DOE complex. Contractor support provides a practical and cost-effective method of providing a surge pool of personnel with technical expertise in a wide range of safety and security disciplines. Support services are utilized as follows.

■ **Headquarters Security Support** 0 0 3,258

Security support services utilize highly specialized technical and analytical expertise and management support personnel. In support of the overall DOE security mission of protecting the U.S. nuclear deterrence capabilities from a spectrum of diverse threats, this activity develops and promulgates clear and consistent security strategies and policy governing the protection of national security and critical assets entrusted to the Department. Mission areas include: 1) nuclear safeguards and security, which includes the National Training Center, nuclear materials accountability, information security, Headquarters security, specialized security support, foreign visits and assignments, security policy, and classification / declassification; 2) security investigations; and 3) program-specific staffing resources to support the protection of Headquarters assets.

Funding also provides for contracted subject matter expert support in the areas of personnel security and security policy management. Personnel security support provides for highly skilled computer

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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experts involved in the development of the Personnel Security Case Management system designed to accelerate the security clearance process within DOE and supports the President's electronic government management agenda. Security policy support provides for highly skilled experts involved in the implementation of the elite force initiative, revision of both the protective force and physical security manuals; and revision of 10 CFR 1046 and 1047 to address physical fitness, arrest authority, and deadly force issues.

■ **Independent Oversight Activities** 0 0 13,096

Independent oversight activities of security, cyber security, emergency management, and environment, safety, and health programs throughout the Department directly relate to DOE national security strategic and general goals. Independent oversight appraisals are conducted to verify that the Department's security interests are protected, that the Department can effectively respond to emergencies, and that site workers, the public, and the environment are protected from hazardous operations and materials. These appraisals provide accurate, comprehensive information and analysis regarding the effectiveness, vulnerabilities, and trends of the Department's security; cyber security; emergency management; environment, safety, and health programs; and other functions of interest to the Secretary, the Deputy Secretary, the Under Secretary, the Administrator of the National Nuclear Security Administration, Congressional committees, and other stakeholders, such as the Defense Nuclear Facilities Safety Board.

As required by DOE Order 470.2B, *Independent Oversight and Performance Assurance Program*, dated October 21, 2002, the independent appraisal function is performed by personnel organizationally independent of the DOE offices that develop and implement policies and programs and, therefore, can objectively observe and report on these policies and programs as they relate to Departmental operations. These appraisals complement but do not replace DOE line management's responsibility for implementing security and safety program oversight and self-assessments, as required by integrated safeguards and security management and integrated safety management systems implemented throughout the Department. The appraisal processes utilized are governed by documented, formal protocols addressing all phases of appraisal activities. These processes are also conducive to changing conditions and the needs of the Department.

Additionally, HSS continues to be actively involved in the development of Department-level directives that establish overarching principles for oversight and that identify DOE oversight activities that involve assessing Federal and contractor performance. These directives are closely linked to the Department's response to Defense Nuclear Facilities Safety Board Recommendation 2004-1, *Oversight of Complex High-Hazard Nuclear Operations*.

Funding provides for appraisal personnel to observe operations and conduct performance tests to validate the effectiveness of safety and security programs and policies. Reports are developed documenting the assessment activities conducted and the results of those assessments including findings and opportunities for improvement. Unclassified appraisal reports and classified appraisal report titles are maintained on the HSS web site to share the information throughout the Department. Classified reports are maintained in a document control center and are available to authorized

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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personnel upon request. The final products of the appraisal process are corrective action plans, as required. The corrective action plans are developed by the programs under review and are reviewed and commented on by HSS staff to ensure proposed corrective actions adequately address findings and other issues; and promote the protection of security interests, workers, the public, and the environment.

Events and activities that have an impact on security and safety are proactively evaluated and evaluation methods and procedures are continuously revised and refined to better evaluate the principal elements of the independent oversight program.

• **Security Appraisals** 0 0 6,625

Security appraisals are conducted at DOE (primarily, National Nuclear Security Administration) sites that have significant amounts of special nuclear material, classified matter, or other security interests. The scope of the appraisals include: physical protection of special nuclear material, accountability of special nuclear material, protection of classified and sensitive information, personnel security, protective forces, foreign visits and assignments, and protection program management. Performance tests are conducted using weapons simulation systems to perform realistic tactical security engagements between a specially trained composite adversary force and the inspected site protection force to assess overall security performance effectiveness (e.g., force-on-force exercises). These reviews have directly contributed to significant reductions in the recurrence of security issues, and effectively support the maintenance of a safe, secure, and reliable weapons stockpile. As a direct result of the experiences and expertise developed, tools and information (e.g., handbooks, videotapes, and lessons learned) have been shared with numerous organizations within the Department.

HSS's current safeguards and security independent oversight activities have been shaped by events over the recent past regarding use and management of controlled removable electronic media, revision to the Design Basis Threat Policy, and advancement of DOE Secretarial initiatives. The effect of these events will be reflected in security independent oversight activities over the next several fiscal years. HSS continues to review implemented procedures and processes for controlling accountable classified removable electronic media and conducts site visits to assist in developing resource-efficient, sustainable protection strategies to support timely implementation of the revised Design Basis Threat Policy. HSS will conduct more-frequent evaluations and testing of sites with significant holdings of special nuclear materials, nuclear weapons, and sensitive information facilities. HSS will also increase the number of force-on-force performance tests from 4 to 5 per year. Training for the Composite Adversarial Team that acts as the opposing force during force-on-force exercises will continue semi-annually. Additionally, HSS will conduct special reviews and analyses to assess the effectiveness of site Design Basis Threat Policy implementation plans. Insights on DOE security program strengths and weaknesses gained as a result of independent oversight activities will be published in lessons learned reports for distribution to security and senior Departmental management.

(dollars in thousands)

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• **Cyber Security Appraisals** **0** **0** **1,671**

Cyber security evaluations provide assurance that the confidentiality, integrity, and availability of DOE classified and unclassified information systems are protected through multi-faceted evaluations of cyber security program performance, including regular announced inspections, unannounced testing, continuous scanning of the DOE Internet perimeter, and other special reviews. Internal and external network penetration testing is conducted in support of inspection activities in order to fully understand a site's cyber security protection posture. Penetration testing focuses on identifying network vulnerabilities that could be exploited, evaluating the effectiveness of firewalls, evaluating intrusion detection and system monitoring capabilities, and evaluating other aspects of network security. Cyber security assessments require the maintenance of a state-of-the-art cyber security testing network for external testing and a suite of deployable cyber security testing equipment for internal testing of DOE site networks. Cyber security independent oversight activities also include programmatic reviews to evaluate management processes that support an effective cyber security program. These reviews assess the direction and sustainability of the program as well as to identify any underlying causes for weaknesses that are discovered during penetration testing.

HSS's current cyber security independent oversight activities have been shaped by focusing on compliance with Federal Information Security Management Act requirements, advancement of DOE Secretarial security initiatives, and protection of DOE information systems against ever-increasing threats. The effect of these events will be reflected in cyber security independent oversight activities over the next several fiscal years. HSS is responsible for conducting the annual evaluation of classified information systems security program, as required by Federal Information Security Management Act, for both DOE and the Office of Intelligence and Counterintelligence. HSS also provides critical input to the DOE Office of Inspector General on the annual evaluation of unclassified information systems security program. There are a number of Federal Information Security Management Act focus areas, such as certification and accreditation, which continue to influence the scope of HSS cyber security inspections. In May 2004, the Secretary announced a series of initiatives to improve DOE security including one initiative focused on HSS cyber security testing activities that mandates an active unannounced penetration testing program for the Department, continuous scanning of the DOE network perimeter, and enhanced testing of DOE classified networks. Finally, HSS continues to focus on protection of DOE information systems across the breadth of the Department to ensure that the confidentiality, integrity, and availability of important systems are appropriately protected. This includes cyber security assessments of critical infrastructure, national security, science, environmental protection, and other Departmental sites.

• **Emergency Management Appraisals** **0** **0** **800**

Appraisals of critical emergency management operations are conducted at DOE Headquarters and DOE field sites having significant amounts of special nuclear material or other hazardous materials and/or operations. These appraisals evaluate the effectiveness of all aspects of emergency management programs, including hazards assessment, protective actions, emergency

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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implementation problems within DOE. This process has proven to be an effective diagnostic tool to quickly and efficiently identify weaknesses in Integrated Safety Management, and provides a means to ensure timely and effective corrective actions are implemented. HSS currently performs six ES&H evaluations each year, focusing on high hazard nuclear, and non-nuclear radiological and industrial facilities. The goal is to perform an evaluation at each of these facilities every two to three years. Lower hazard facilities will be evaluated as events dictate. Sites with recurring weaknesses, high rates of accidents and injuries, or other special considerations may be reviewed more frequently. In addition to the safety evaluations, HSS will conduct more focused reviews of special topic areas, such as safety system oversight, lockout-tagout, chronic beryllium disease prevention, and environmental management. These reviews may be conducted separately or incorporated into ES&H evaluations. Results from ES&H evaluations and focused reviews will be summarized annually in a lessons learned report to safety and senior Department managers. In addition, special investigations maybe conducted to address as directed by the Secretary in important areas such as worker safety and health.

- **Special Reviews** 0 0 500

Special reviews and studies are performed of policies, programs, and their implementation in the field to identify program corrections. These special reviews are often conducted in addition to regularly scheduled appraisal activities at the request of the Secretary and other senior Departmental managers to examine issues derived from current events; e.g., the recent Departmental stand-down of all operations involving accountable classified removable electronic media; and implementation of the revised Design Basis Threat Policy. In addition, special review activities include reviews of issues not normally covered by ongoing independent oversight functions (i.e., security, cyber security, emergency management, and ES&H), such as Investigation of Worker Exposures and Medical Services at the Hanford Site and River Protection Project; and Limited Scope Small Business Review. Finally, special reviews of crosscutting subjects, such as protective force, lock and key control, internet connectivity, chemical and biological agent use, and hoisting and rigging programs, are developed from site-specific investigations to provide DOE senior management an overview of programs and associated issues across the entire Department.

The results of these special reviews and studies have been of particular interest to senior DOE managers and Congress, and their evaluation and analysis have resulted in substantial improvements to programs throughout DOE.

- **Defense Nuclear Facilities Safety Board Liaison Activities** 0 0 650

Defense Nuclear Facilities Safety Board (DNFSB) liaison provides leadership in resolving DNFSB-related technical and management issues to ensure public health and safety. This activity facilitates the Department's compliance with Congressional mandates for the Department to: 1) respond to DNFSB safety recommendations and resolve agreed-upon safety issues; 2) provide requested reports on nuclear safety issues; 3) fully cooperate with the DNFSB; and 4) provide ready access to such facilities, personnel, and information as the DNFSB considers necessary to carry out its

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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responsibilities. This includes technical evaluation and analysis of DNFSB safety and management issues providing direction and advice to line managers on addressing and resolving DNFSB issues, monitoring Department-wide performance in addressing and resolving DNFSB issues, and taking action to ensure the adequacy of DOE-wide performance.

Additional activities include preparing the statutorily required Annual Report to Congress on DNFSB activities; maintaining and improving the Department's Safety Issues Management Systems for DNFSB-related issues, commitments, and actions; providing monthly and quarterly analysis reports to senior DOE officials on the status of existing commitments to identify those that require additional management attention or action; and maintaining a web site that serves as the Department's central repository of official DNFSB communications, making this information available to the public and to Department and contractor personnel complex-wide.

Funding also provides for program management of the Department's Facility Representative Program. This program includes approximately 200 DOE Facility Representatives who provide operational oversight at hazardous facilities. Activities also include leading and participating in reviews of DOE site office Facility Representative programs, updating program guidance and requirements, reporting on performance, and hosting an annual lessons learned workshop.

Other Related Expenses **0** **0** **14,785**

Other Related Expenses provides support required for Federal and contractor staff to accomplish the HSS mission. Support includes the acquisition of security support and communications equipment, Secretarial mandated information technology support, Extended Common Integrated Technology Environment (eXCITE), and Working Capital Fund services. Specific security support and communications purchases for HSS include the purchase of protective gear, weapons, and communication devices.

Funding provides for obtaining or maintaining the technical competence of HSS Federal employees. This important area of human capital management assures that Federal personnel are fully capable of performing current and future missions of the Department.

The Department's eXCITE initiative bundles information technology services that were previously managed separately. The initiative is designed to be a one-stop-shop for all common information technology system and service that brings security, service, efficiency, and scale to these projects. The information technology investments support the Federal staff at Headquarters by providing support and maintenance of hardware, software, hotline, and other desktop maintenance. Information technology hardware, connectivity, and support costs are based on a seat count and level of service requested by HSS.

Maintenance of information technology systems exclusive to HSS is funded within this activity. The Classified Local Area Network is part of the consolidated infrastructure initiative. It includes a Secret Restricted Data network that supports HSS Headquarters users. The Secret Internet Protocol Router Network is also part of the consolidated infrastructure initiative. It provides access to the Department of

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Defense classified network to effect coordination between the Departments.

Other Related Expenses also provides funding for the Working Capital Fund based on guideline estimates issued by the Working Capital Fund Manager. The Working Capital Fund was established in FY 1997 to allocate the cost of common administrative services to the recipient organizations; it covers building occupancy and alterations, computer and telephone infrastructure and usage, mail service, copying, printing and graphics, procurement closeouts, supplies, online learning, computer network support, and payroll processing. Funding also provides training for Federal staff (including tuition costs for Federal employees) to maintain the skill base required by their position.

Total Program Direction	0	0	100,043
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Explanation of Funding Changes

FY 2008 vs. FY 2007 (\$000)

Funding was transferred from the Office of Environment, Safety and Health and the Office of Security and Safety Performance Assurance within the Other Defense Activities and Energy Supply and Conservation appropriations.	+100,043
Total Funding Change, Program Direction	+100,043

Support Services by Category

(dollars in thousands)

	FY 2006 ^a	FY 2007 ^a	FY 2008
Technical Support			
Headquarters Security Support	0	0	2,211
Independent Oversight Activities	0	0	13,096
Defense Nuclear Facilities Safety Board Liaison Activities	0	0	650
Total, Technical Support	0	0	15,957
Management Support			
Headquarters Security Support	0	0	1,047
Total, Management Support	0	0	1,047
Total, Support Services	0	0	17,004

^a FY 2006 and FY 2007 funding for these activities are included in the Office of Environment, Safety and Health and the Office of Security and Safety Performance Assurance budget submissions within the Other Defense Activities and Energy Supply and Conservation appropriations.

Other Related Expenses by Category

(dollars in thousands)

	FY 2006 ^a	FY 2007 ^a	FY 2008
Other Related Expenses			
Tuition/Training of Federal Staff	0	0	382
Other Services Procured	0	0	5,154
Working Capital Fund	0	0	9,249
Total, Other Related Expenses	0	0	14,785

^a FY 2006 and FY 2007 funding for these activities are included in the Office of Environment, Safety and Health and the Office of Security and Safety Performance Assurance budget submissions within the Other Defense Activities and Energy Supply and Conservation appropriations.

**Other Defense Activities
Office of Legacy Management**

**Overview
Appropriation Summary by Program**

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2007 CR	FY 2008 Request
Other Defense Activities				
Legacy Management	45,366	167,851	27,848	159,063
Subtotal, Other Defense Activities	45,366	167,851	27,848	159,063
Less Use of Prior Year Balances	-741			
Total, Other Defense Activities	44,625	167,851	27,848	159,063
Energy Supply and Conservation				
Legacy Management	33,187	33,139	33,515	35,104
Total, Energy Supply and Conservation	33,187	33,139	33,515	35,104
Total, Energy Supply and Conservation and Other Defense Activities	77,812	200,990	61,363	194,167

Preface

During FY 2008, the Department continues its efforts to reduce risk to human health and the environment at its contaminated sites, manage its pension and benefit responsibilities for former contractor personnel, and manage DOE property at closed sites. By conducting these functions, the Office of Legacy Management (LM) provides a sustainable solution to liabilities associated with the Department's closed sites and allows Environmental Management to concentrate on further risk reduction and site closure.

Within the Energy and Water, Other Defense Activities appropriation, the Office of Legacy Management (LM) has one program: Legacy Management.

Mission

The mission of the Office of Legacy Management is to manage the Department's post-closure responsibilities – including long-term surveillance and maintenance, pension and benefit continuity for former contractor retirees, and archives management – and ensure the future protection of human health and the environment. This Office has control and custody for legacy lands, structures, and facilities and is responsible for maintaining them at levels suitable for their long-term use.

Benefits

The greatest benefit of the Office of Legacy Management is to serve as a visible demonstration of the Department's resolve to honor its responsibilities for the communities near its remediated facilities and for the former contractor workforce.

The Office of Legacy Management program provides benefits to the Department following mission change or site closure. For sites where cleanup is completed, Legacy Management activities ensure that the remediation measures implemented during closure are protecting human health and the environment, that labor responsibilities for the contractor workforce are being satisfied, and that other Departmental legacy responsibilities are met. By managing the real and personal property assets that remain after cleanup and closure, Legacy Management helps the Department reduce the magnitude of its physical resource management, the costs associated with such management, and actively promotes the beneficial reuse of those mission excess properties.

Strategic Themes and Goals and GPRA Unit Program Goals

The Department's Strategic Plan identifies five Strategic Themes (one each for nuclear, energy, science, management, and environmental aspects of the mission) plus 16 Strategic Goals that tie to the Strategic Themes. The Other Defense Activities appropriation supports the following goal:

Strategic Theme 4, Environment Responsibility: Protecting the environment by providing a responsible resolution to the environmental legacy of nuclear weapons production.

Strategic Goal 4.2, Managing the Legacy: Manage the Department's post-closure environmental responsibilities and ensure the future protection of human health and the environment.

The programs funded within the Other Defense Activities Appropriation have one GPRA Unit Program Goal that contributes to the Strategic Goals in the "goal cascade". This goal is:

GPRA Unit Program Goal 4.2.55.00: Legacy Management – By 2015, the Office of Legacy Management will be responsible for the cost effective management of land, structures, facilities and/or records for over 120 sites; employee benefits for the Department's former contractor work force at seven sites; and the disposal of real property at five sites.

Contribution to Strategic Goals

Within the Program Goal for the Legacy Management program, there are four subgoals that contribute to the strategic goals.

Legacy Management contributes to Strategic Goal 4.2 as follows:

- Protect human health and the environment through effective and efficient long-term surveillance and maintenance – Activities associated with this subgoal contribute to the general goal by managing the long-term surveillance and maintenance at sites where remediation has been essentially completed, allowing the Environmental Management program to concentrate its efforts on continuing to accelerate cleanup and site closure resulting in reduced risks to human health and the environment and reduced landlord costs.
- Preserve, protect, and make accessible legacy records and information – These activities assist the other activities by providing a central records management capability. This work directly supports the administration of the Energy Employees Occupational Illness Compensation Program Act (EEOICPA) and is responsive to Freedom of Information Act (FOIA) and Privacy Act (PA)

requests. This enables more efficient operation of the other activities and is needed to defend the Department against future liability claims.

- Manage legacy land and assets, emphasizing protective real and personal property reuse and disposition – These activities promote more efficient management of remediated resources. This allows more resources to be focused on further risk reduction.
- Support an effective and efficient workforce structured to accomplish Departmental missions and ensure contractor worker pension and medical benefits – The Legacy Management program manages the Department’s labor relations and oversees some pension and benefit programs to meet the Department’s contractual commitments. By managing these activities, the Office of Legacy Management enables the Office of Environmental Management to focus on further risk reduction by remediating other sites.

Funding by Strategic and GPRA Unit Program Goal

	(dollars in thousands)		
	FY 2006	FY 2007	FY 2008
Strategic Goal 4.2, Managing the Legacy			
GPRA Unit Program Goal 4.2.55.00, Legacy Management	31,848	156,790	148,063
Subtotal, Strategic Goal 4.2, (Other Defense Activities)	31,848	156,790	148,063
All Other			
Program Direction	13,518	11,061	11,000
Total, Strategic Goal 4.2 (Other Defense Activities)	45,366	167,851	159,063

Annual Performance Results and Targets

FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008
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Strategic Goal 4.2 Managing the Legacy

Legacy Management Program/Legacy Management

<p>Supported local community transition activities that created or retained 29,000 to 30,500 private sector jobs by the end of FY 2003</p>	<p>Supported local community transition activities that created or retained 30,500 to 31,000 private sector jobs by the end of FY 2004</p>	<p>Ensure continued effectiveness of cleanup remedies through surveillance and maintenance activities at Pinellas and Maxey Flats in accordance with legal agreements. This target was achieved.</p> <p>No comparable measures in FY 2005. <u>A baseline of program direction divided by the total appropriation (excluding Congressionally Directed Activities) is 20.6 percent</u></p>	<p>Ensure continued effectiveness of cleanup remedies through surveillance and maintenance activities at five sites in accordance with legal agreements. This target was achieved.</p> <p><u>Reduce the ratio of program direction to the appropriation by 1 percent from the FY 2005 baseline. This target was achieved.</u></p>	<p>Maintain the protectiveness of installed environmental remedies through inspections and other actions at 100 percent of sites within LM's responsibility</p> <p><u>Reduce the cost of performing long-term surveillance and maintenance activities by 2 percent while meeting all regulatory requirements. Base is previous year's costs less inflation rate, costs for new sites, and one-time actions.</u></p>	<p>Maintain the protectiveness of installed environmental remedies through inspections and other actions at 100 percent of sites within LM's responsibility</p> <p><u>Reduce the cost of performing long-term surveillance and maintenance activities by 2 percent while meeting all regulatory requirements. Base is life-cycle baseline estimate for that year.</u></p>
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Means and Strategies

The Legacy Management Program will use various means and strategies to achieve its GPRA Unit Program goal. However, various external factors may impact the ability to achieve the goal. The program also performs collaborative activities to help meet its goal.

The Department will implement the following means:

- Long-term surveillance and maintenance will be performed in accordance with the regulatory decisions for each site. Activities range from maintaining records to routine inspections and maintenance at sites where remediation measures are substantially completed and the operations and maintenance of remedial action systems.
- Adequate staffing will be maintained to oversee the program. A large portion of the surveillance and maintenance and payment of the contractor pensions and benefits will be performed by contractors.

The Department will implement the following strategies:

- The Office of Legacy Management will only accept responsibility for a site after active remediation is complete and all necessary long-term remedies are in place and operating.

The following external factor could affect LM's ability to achieve its strategic goal:

- Significant changes in remedy performance could cause the site to be returned to EM for further remediation.

In conducting the program's surveillance and maintenance functions, LM performs the following collaborative activities:

- Evaluation of remedy performance, as determined by surveillance and maintenance activities, is coordinated with regulators, local communities, and other stakeholders.

Validation and Verification

The Department is operating a performance tracking system to measure performance. The Office of the Chief Financial Officer has developed action plans for the primary functions. Quarterly updates for site inspections are reported using an automated system.

For payments of medical benefits or other activities not tracked by the automated system, the Office of Legacy Management will obtain quarterly updates to judge progress of the programs.

The Legacy Management program has not performed a Program Assessment Rating Tool (PART) evaluation to date but such a review and the measures resulting from it would also provide verification.

The observed results of surveillance and maintenance activities are documented in annual inspection and compliance reports and retained as long as specified in Federal requirements for records retention.

To validate and verify program performance, LM will conduct various internal and external reviews and audits. LM's programmatic activities are subject to continuing reviews by the Congress, the General Accountability Office, the Department's Inspector General, the U.S. Environmental Protection Agency, U.S. Nuclear Regulatory Commission, state environmental and health agencies, and the Department's Office of Engineering and Construction Management. Additionally, LM Headquarters senior management staff conduct quarterly, in-depth reviews of cost, schedule, and scope to ensure projects are on-track and within budget.

Facilities Maintenance and Repair

The Department's Facilities Maintenance and Repair activities are tied to its programmatic missions, goals, and objectives. Facilities Maintenance and Repair activities funded by this budget are displayed below.

Direct-Funded Maintenance and Repair

(dollars in thousands)			
	FY 2006	FY 2007	FY 2008
Legacy Management			
Legacy Management			
Long-Term Surveillance and Maintenance			
Fernald	0	0	1,533
Nevada Offsites	0	738	4
Rocky Flats	0	706	184
All Others	145	0	161
Total, Long-Term Surveillance and Maintenance	145	1,444	1,882
Total, Legacy Management	145	1,444	1,882
Total, Direct-Funded Maintenance and Repair (Other Defense Activities)	145	1,444	1,882

**Other Defense Activities
Office of Legacy Management**

Funding by Site by Program

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Fernald Site	0	26,521	21,786
Grand Junction Office	3,986	5,664	5,100
Morgantown Office	0	8,860	6,711
Pinellas Plant	15,418	14,432	7,757
Rocky Flats Field Office	0	90,755	105,068
Washington Headquarters	25,962	21,619	12,641
Total, Other Defense Activities	45,366	167,851	159,063

Major Changes or Shifts by Site

Pinellas Plant

- The decrease in Pinellas Plant funding reflects a decrease of more than 50 percent in the long-term surveillance and maintenance costs and a decrease in the estimated cost of pensions and benefits.

Rocky Flats Field Office

- In 2008, a majority of the increase can be attributed to a substantial increase in the Employee Retirement Income Security Act (ERISA) minimum contribution to the contractor employees' pension plan in FY 2008 compared to the FY 2007 estimates.

Site Description

Fernald Site

The Fernald Site is located about 18 miles northwest of Cincinnati, OH. Funding in FY 2008 will be for the purposes of long-term surveillance and maintenance and post-closure contractor retiree pensions and benefits.

Grand Junction Office

The Grand Junction Office is located in western Colorado. The oversight of the long-term surveillance and maintenance and reuse and property management activities are the staff's primary functions. The long-term surveillance and maintenance activities managed from this office include environmental monitoring, long-term treatment of contaminants, and maintaining site security.

Morgantown Office

The Morgantown Office is located in Morgantown, WV. Program functions include archives and information management activities in support of the missions of the Office of Legacy Management along with various business operations functions.

Pinellas Plant

The Pinellas Site is a former weapons facility located in Pinellas, FL, which is in the Tampa-St. Petersburg metropolitan area. The Legacy Management program oversees pension and benefits payments for the former contractor work force and long-term surveillance and maintenance activities.

Rocky Flats Field Office

The Rocky Flats facility is located about ten miles north of Golden, CO. Program activities include long-term surveillance and maintenance and post-closure contractor retiree pensions and benefits.

Washington Headquarters

The Office of Legacy Management has been organized as a Headquarters office with personnel primarily located in Washington, DC, Grand Junction, CO, and Morgantown, WV. The Office of Legacy Management Washington headquarters staff has primary management responsibility for program direction and for some program activities. Program activities include reuse and property management activities and administering the Department's Environmental Justice and workforce/labor relations programs.

Legacy Management
Funding Profile by Subprogram

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request
Legacy Management			
Legacy Management	31,848	156,790	148,063
Program Direction	13,518	11,061	11,000
Total, Legacy Management	45,366	167,851	159,063

Public Law Authorizations:

Public Law 95-91, "Department of Energy Organization Act (1977)
 Public Law 103-62, Government Performance and Results Act of 1993
 Public Law 106-377, Energy and Water Development Appropriations Act, 2001
 Public Law 106-398, National Defense Authorization Act for Fiscal Year 2001
 Public Law 107-66, Energy and Water Development Appropriations Act, 2002
 Public Law 107-314, Bob Stump National Defense Authorization Act for Fiscal Year 2003
 Public Law 108-136, National Defense Authorization Act for Fiscal Year 2004
 Public Law 108-375, Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005
 Public Law 109-103, Energy and Water Development Appropriations Act, 2006

Mission

The mission of the Office of Legacy Management is to manage the Department's post-closure responsibilities and ensure the future protection of human health and the environment. This Office has control and custody for legacy land, structure, and facilities and is responsible for maintaining them at levels suitable for their long-term use. The activities that are used to accomplish this mission include: (1) conduct long-term surveillance and maintenance at DOE facilities where remediation measures have been substantially completed; (2) oversee the management of pensions and benefits for former contractor employees; (3) perform storage, retrieval, and management of all records necessary for legacy management activities, (4) administer the Department's Environmental Justice program, and, (5) manage the Department's legacy land and assets.

Benefits

The Legacy Management program contains important elements to assist the Office of Environmental Management achieve the strategic goal of providing a resolution to the environmental legacy of the Cold War. As the Office of Environmental Management completes its cleanup activities, certain aspects of the Department's responsibilities remain. These activities include: long-term groundwater pump and treat operations, remedy surveillance and maintenance, records management, and long-term retirement pension and benefits for contractor personnel. A long-term commitment to manage the resources and activities beyond the completion of active remediation is required. The activities of the Legacy Management program ensure that these Departmental responsibilities are addressed and the Office of Environmental Management is able to concentrate its efforts on cleanup and risk reduction.

**Legacy Management
Funding Schedule by Activity**

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Legacy Management			
Long-Term Surveillance and Maintenance	11,136	26,525	22,775
Pension and Benefit Continuity	20,148	120,747	116,936
Archives and Information Management	0	8,860	6,711
Environmental Justice	564	658	665
Reuse and Property Management	0	0	976
Total, Legacy Management	31,848	156,790	148,063

Description

The objectives of the Legacy Management subprogram are to conduct long-term surveillance and maintenance (also referred to as long-term stewardship) at DOE facilities where remediation measures have been substantially completed, oversee the management of pensions and benefits for former contractor employees, perform storage, retrieval, and management of all records necessary for legacy management activities, and administer the environmental justice program. These activities are performed for the purpose of supporting the Department's commitments contained in records of decision, contracts, and legal agreements.

Benefits

The Legacy Management subprogram contains the essential elements to assist the Office of Environmental Management achieve the strategic goal of providing a resolution to the environmental legacy of the Cold War and ensure that the Department fulfills its long-term commitments to protect the environment and to ensure continuity of benefits to former contractor workers. By funding the long-term activities in the Legacy Management program, the Office of Environmental Management is able to concentrate its resources on risk reduction and site closure.

Detailed Justification

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Long-Term Surveillance and Maintenance	11,136	26,525	22,775
The funding requested for FY 2008 will allow the Office of Legacy Management (LM) to monitor and conduct long-term treatment of 14 sites in accordance with legal, contractual, and regulatory agreements. Functions include soil, water, and air monitoring, long-term treatment of contaminants, maintenance of contaminant treatment structures, and maintaining security for the sites and other resources associated with the sites.			

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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▪ **Fernald** 0 10,269 8,786

Funding will allow LM to monitor and conduct long-term surveillance activities at the Fernald Site.

▪ **Nevada Offsites** 0 5,081 3,186

The Nevada Offsites consist of eight individual sites, mostly located in the Western States. These sites are: Amchitka, AK, Central Nevada Test Area (CNTA) and Project Shoal, NV, Gnome-Coach and Gasbuggy, NM, Rulison and Rio Blanco, CO, and Salmon, MS. Funding will allow LM to monitor and conduct long-term surveillance and maintenance activities at these sites.

▪ **Pinellas** 7,150 6,809 3,857

Funding will allow LM to monitor and conduct long-term surveillance activities at the Pinellas Site, including a major pump and treat operation.

▪ **Rocky Flats** 0 3,783 5,032

Funding for FY 2008 will allow the LM to monitor and conduct long-term treatment at the Rocky Flats site. Functions include soil, water, and air monitoring, and maintaining security for the site and other resources associate with the site.

▪ **Other Defense Sites** 3,986 583 1,914

The Office of Legacy Management also manages long-term surveillance and maintenance activities at Maxey Flats, KY, and Chariot, AK, and is preparing for transfer of Mound and Ashtabula, OH. The funding for FY 2008 will allow LM to conduct those activities.

Pension and Benefit Continuity 20,148 120,747 116,936

▪ **Fernald** 0 16,252 13,000

Funding will provide for ERISA required contributions to the pension funds and post retirement benefits for former contractor retirees from the Fernald facility. Benefits include medical benefits and life insurance.

▪ **Pinellas** 8,268 7,623 3,900

Funding will provide for required contributions to the pension funds and post retirement benefits for former contractor retirees from the Pinellas Plant. Benefits include medical benefits and life insurance.

▪ **Rocky Flats** 0 86,972 100,036

Funding will allow the Department to make the required ERISA minimum contribution to the pension fund for retired contractor personnel and provide post-retirement benefits of medical and life insurance, and Medicare Part B for contractor retirees.

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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▪ **Closure Sites Pension and Benefit Administration** **11,880** **9,900** **0**

Funding for this subactivity was intended to support implementation and administration of a delivery system to provide retirees' benefits to former contractor employees from closure sites where active remediation has been completed. The Department has now elected to use an alternative method for the continued administration of post closure retiree benefits at those sites.

Archives and Information Management **0** **8,860** **6,711**

This activity provides records management services for LM's active program elements and maintains legacy archives of inherited collections. These activities include administrative, records management policy and procedure setting and development, planning, and oversight processes and activities that guide and govern the physical and electronic records management operations of the organization. This function includes managing records over the standard record life-cycle and developing records retention schedules in conjunction with National Archives and Records Administration (NARA) requirements. The function also encompasses the operational records retention, records maintenance and use, and records disposition processes and activities that LM performs to ensure proper documentation of its environmental protection, environmental remediation, and hazardous waste disposition-related policies and activities. Further, an active records management activity supports DOE stakeholders processing claims associated with EEOICPA, FOIA, PA and other information requests.

This activity also provides LM's information management and technology needs. This work involves the coordination of information collection, storage, and dissemination, and destruction as well as managing the policies, guidelines, and standards regarding information management. This funding also allows LM to maintain its information technology infrastructure and provides planning, design, and maintenance of an IT Infrastructure to effectively support automated needs (i.e. platforms, networks, servers, printers, etc.), as well as providing IT security for LM's unclassified computing networks. IT Security involves all processes and activities pertaining to the securing of Federal data and systems through the creation and definition of security policies, procedures and controls covering such services as identification, authentication, and non-repudiation in accordance with Federal Information Processing Standards (FIPS) and the Federal Information Security Management Act.

Environmental Justice **564** **658** **665**

Funding allows the Department to manage a program to promote environmental justice as specified by Executive Order 12898, issued on February 11, 1994. This program provides assistance for a variety of activities that include: grants to communities to address environmental subjects using expertise from Historically Black Colleges and Universities (HBCU's); an intern program through the United Negro College Fund; a cooperative agreement with the National Conference of Black Mayors to provide assistance on environmental issues; and a Community Capacity Building Program to provide assistance to enable communities around DOE sites to address environmental issues.

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Reuse and Property Management

0 0 976

The Office of Legacy Management manages thousands of acres of land and other assets. This activity is focused upon reuse or transfer of the real and personal property to other agencies or private interests. If land is transferred to a private interest, it would allow land to be put back into productive reuse and reduce the Department's "footprint."

Total, Legacy Management

31,848 156,790 148,063

Explanation of Funding Changes

FY 2008 vs. FY 2007 (\$000)

Long-Term Surveillance and Maintenance

▪ **Fernald**

-1,483

The FY 2007 funding provided for some periodic activities which do not occur during FY 2008

▪ **Pinellas**

-2,952

The Department has been successful in its "pump and treat" of contaminated wastewater and has begun to reduce the magnitude of that effort.

▪ **Nevada Offsites**

-1,895

The funding in FY 2007 reflected some scheduled periodic activities that do not recur in FY 2008.

▪ **Rocky Flats**

+1,249

Some additional surveillance and maintenance activities will be performed at Rocky Flats that were not needed in FY 2007

▪ **Other Defense Sites**

+1,331

The increase in funding will be used to fund periodic activities that did not occur in FY 2007 and prepare for additional site transfers.

Total, Long-Term Surveillance and Maintenance

-3,750

Pension and Benefit Continuity

▪ **Fernald**

-3,252

Reflects an expected decrease in the contribution to the pension fund.

FY 2008 vs. FY 2007 (\$000)

-3,723

▪ **Pinellas**

The site has revised their method of estimating the funding requirements resulting in a lower estimate.

▪ **Rocky Flats**

Adjustment to a lower discount rate and corrections to the size of the beneficiary population are expected to require a much larger contribution to the pension fund.

+13,064

▪ **Closure Sites Pension and Benefit Administration**

The Department will use existing contractors to manage the pension and post retirement benefit payments and will not use a National Stewardship Contractor as previously planned.

-9,900

Total, Pension and Benefit Continuity

-3,811

Archives and Information Management

After establishing this activity in FY 2007, the reduction reflects the absence of startup costs that occurred in FY 2007.

-2,149

Environmental Justice

No significant increase

+7

Reuse and Property Management

This activity had previously been part of long-term surveillance and maintenance but is now being identified as a separate activity to align the budget request with the four subgoals for Legacy Management. If this activity had remained as part of long-term surveillance and maintenance, the funding reduction in that activity would have been decreased by approximately \$1 million for a net reduction to long-term surveillance and maintenance of approximately \$2.8 million.

+976

Total Funding Change, Legacy Management

-8,727

Program Direction
Funding Profile by Category

	(dollars in thousands/whole FTEs)		
	FY 2006	FY 2007	FY 2008
Headquarters			
Salaries and Benefits	9,959	7,794	8,015
Travel	634	594	440
Support Services	1,722	1,414	1,240
Other Related Expenses	1,203	1,259	1,305
Total, Headquarters	13,518	11,061	11,000
Full Time Equivalents	81	70	58

Mission

Program direction provides the Federal staffing resources and associated costs required to provide overall direction and execution of Office of Legacy Management functions. The staff of the Office of Legacy Management is all Headquarters employees, but primarily located in Washington, DC area, Grand Junction, Colorado, and Morgantown, West Virginia.

The overall program direction request has decreased approximately \$2.5 M or almost 20 percent from FY 2006 to FY 2008 at the same time the program roughly tripled to more than \$180 M. The staffing projections with corresponding changes in their associated salaries and benefits and travel for Legacy Management reflect the planned decrease in Federal staffing as a significant aspect of the LM High Performing Organization initiative.

Detailed Justification

(dollars in thousands)		
FY 2006	FY 2007	FY 2008
9,959	7,794	8,015

Salaries and Benefits

Staff will work to ensure that the required monitoring actions are performed to protect the environment and the public's health and safety in the vicinity of the sites transferred to Legacy Management from Environmental Management where remediation has been completed. Further, in other program activities, they will: (1) ensure that pension and other post-retirement payments that honor the Department's responsibilities for former contractor personnel are made; (2) oversee actions to achieve more than 1,000 prime contractor changes per year; (3) work to streamline the approval of workforce restructuring plans and develop and implement policies to integrate contract reform mechanisms; (4) provide oversight of upcoming labor negotiations at four sites; and, (5) perform additional functions, such as, maintaining records for Formerly Utilized Sites Remedial Action Program (FUSRAP) considered sites, reviewing Departmental liability for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) claims, and administering the Environmental Justice program within the Department.

**Other Defense Activities/
Legacy Management/
Program Direction**

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Some personnel are responsible for overseeing surveillance and maintenance activities for a variety of DOE sites, many situated in remote locations. Although Legacy Management is a headquarters function, there are sizable staffs stationed in Grand Junction, CO, and Morgantown, WV, with smaller numbers at several other locations. A major portion of the workload for the personnel in Grand Junction is involved with oversight of the surveillance and maintenance at approximately 70 sites. The personnel at Morgantown also assist in the surveillance and maintenance functions and are the focal point of records management.

Travel **634** **594** **440**

Travel will enable staff to conduct necessary surveillance and maintenance functions, oversight, and related activities.

Support Services **1,722** **1,414** **1,240**

Support services will assist in the surveillance and maintenance activities, the logistics of payments to former contractor personnel, and in the preparation of both routine and extraordinary analyses and reports as needed.

Other Related Expenses **1,203** **1,259** **1,305**

The amount in this category consists mainly of the working capital fund/infrastructure costs. Space rental, telephones, copiers and printing, computer support, general office supplies, and mailing costs are included in these expenses. The working capital fund costs are proportionate to the number of employees. Other expenses are for items not encompassed by the working capital fund, e.g., computer software.

Total, Program Direction **13,518** **11,061** **11,000**

Explanation of Funding Changes

FY 2008 vs. FY 2007 (\$000)

Salaries and Benefits +221
No significant change

Travel -154
The completion of major transfers will reduce the need for travel.

FY 2008 vs. FY 2007 (\$000)

Support Services	-174
Expected completion of High-Performing Organization implementation activities during FY 2007 and further reduction in Worker and Community Transition functions (e.g., administration of carryover funding and preparation of the annual report) have reduced the need for support services.	
Other Related Expenses	+46
No significant change	
<hr/>	
Total Funding Change, Program Direction	-61

Support Services by Category

	(dollars in thousands)		
	FY 2006	FY 2007	FY 2008
Technical Support			
System Definition	333	50	50
Total, Technical Support	333	50	50
Management Support			
Manpower Systems Analyses	420	420	280
Training and Education	100	100	100
Analyses of DOE Management Processes	200	200	180
Reports and Analyses Management and General Administrative Services	669	644	630
Total, Management Support	1,389	1,364	1,190
Total, Support Services	1,722	1,414	1,240

Other Related Expenses by Category

	(dollars in thousands)		
	FY 2006	FY 2007	FY 2008
Other Related Expenses			
Supplies and Materials	144	152	163
Working Capital Fund	1,059	1,107	1,142
Total, Other Related Expenses	1,203	1,259	1,305

**Other Defense Activities
Office of Nuclear Energy**

Overview

Appropriation Summary by Program

(dollars in thousands)

	FY2006 Current Appropriation	FY 2007 Request	FY 2007 CR	FY 2008 Request
Other Defense Activities				
Infrastructure				
Idaho Facilities Management	17,584 ^a	0 ^b	17,584	0
Idaho Sitewide Safeguards and Security	74,288 ^c	75,949	77,190	75,949
Total, Infrastructure	91,872	75,949	94,774	75,949
Program Direction	30,792 ^d	0 ^e	30,792	0
Subtotal, Other Defense Activities	122,664	75,949	125,566	75,949
Less Security charge for Reimbursable Work	-3,003	-3,003	-3,003	-3,003
Total, Other Defense Activities	119,661	72,946	122,563	72,946

Preface

The Office of Nuclear Energy (NE) leads the Government's efforts to develop new nuclear energy generation technologies to meet energy and climate goals, to develop advanced, proliferation-resistant nuclear fuel technologies that maximize energy from nuclear fuel, and to maintain and enhance the national nuclear technology infrastructure. NE serves the present and future energy needs of the Nation by managing the safe operation and maintenance of the DOE nuclear infrastructure that provides nuclear technology goods and services.

Within the Other Defense Activities appropriation, the Office of Nuclear Energy has one program completely funded in FY 2008: Idaho Sitewide Safeguards and Security. In FY 2006, NE had two programs that are partially funded within the Other Defense Activities appropriation - Idaho Facilities Management and Program Direction. Beginning in FY 2007, funds for these programs were requested solely in the Energy Supply and Conservation appropriation.

^a Excludes \$81,774,000 appropriated under Energy Supply and Conservation and \$13,365,000 from Naval Reactors.

^b Beginning in FY 2007, all funding for Idaho Facilities Management is requested under Energy Supply and Conservation appropriation.

^c Includes a rescission of \$720,050 in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006.

^d Excludes \$29,706,000 appropriated under Energy Supply and Conservation.

^e Beginning in FY 2007, all funding for Program Direction is requested under Energy Supply and Conservation appropriation.

Mission

The mission of the Office of Nuclear Energy (NE) is to support the Nation's diverse nuclear energy programs. NE is responsible for leading the Federal government's investment in nuclear science and technology to support energy supply diversity and security and to advance United States competitiveness.

Benefits

NE plans to safeguard the national nuclear infrastructure currently in place to help meet the Nation's energy, environmental, health care, and national security needs. The Idaho Sitewide Safeguards and Security program provides protection of nuclear materials, classified matter, Government property, and other vital assets from unauthorized access, theft, diversion, sabotage, espionage, and other hostile acts that may cause risks to national security, the health and safety of DOE and contractor employees, the public or the environment.

Strategic Themes and Goals and GPRA Unit Program Goals

The Department's Strategic Plan identifies five Strategic Themes (one each for energy security, nuclear security, scientific discovery, environmental responsibility and management excellence), plus 16 Strategic Goals that tie to the Strategic Themes. Other Defense Activities supports the following goals:

Strategic Theme 1, Energy Security: Promoting America's energy security through reliable, clean, and affordable energy.

Strategic Goal 1.2, Environmental Impacts of Energy: Improve the quality of the environment by reducing greenhouse gas emissions and environmental impacts to land, water, and air from energy production and use.

The programs funded within the Other Defense Activities appropriation have one GPRA Unit Program Goal that contributes to the Strategic Goal in the "goal cascade. This goal is:

GPRA Unit Program Goal 1.2.15.00: Maintain and Enhance National Nuclear Infrastructure - Maintain, enhance, and safeguard the Nation's nuclear infrastructure capability to meet the Nation's energy, medical research, space exploration, and national security needs.

Contribution to Strategic Goal

The Department has the responsibility to maintain and enhance the Nation's nuclear infrastructure currently in place. The Idaho Sitewide Safeguards and Security program supports activities that are required to protect the Department's Idaho complex assets from theft, diversion, sabotage, espionage, unauthorized access, compromise, and other hostile acts which may cause unacceptable adverse impacts on national security, program continuity, the health and safety of employees, the public, or the environment.

Funding by Strategic and GPRA Unit Program Goal

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Strategic Goal 1.2, Environmental Impacts of Energy			
GPRA Unit Program Goal 1.2.15.00, Maintain and Enhance National Nuclear Infrastructure	91,872	75,949	75,949
Total, Strategic Goal 1.2, Environmental Impacts of Energy	91,872	75,949	75,949
All Other			
Program Direction	30,792	0 ^a	0
Less Security Charge for Reimbursable Work	-3,003	-3,003	-3,003
Total, All Other	27,789	72,946	72,946
Total, Strategic Goal 1.2 (Other Defense Activities)	119,661	72,946	72,946

^a Beginning in FY 2007, funding for Program Direction is requested under Energy Supply and Conservation appropriation.

**Other Defense Activities
Office of Nuclear Energy**

Funding by Site by Program

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Idaho National Laboratory			
Idaho Facilities Management	17,474 ^a	0 ^b	0
Idaho Sitewide Safeguards and Security	73,822	75,949	75,949
Total, Idaho National Laboratory	91,296	75,949	75,949
Idaho Operations Office			
Program Direction	30,792	0 ^b	0
Pacific Northwest National Laboratory			
Idaho Facilities Management	110	0	0
Idaho Sitewide Safeguards and Security	466	0	0
Total, Pacific Northwest National Laboratory	576	0	0
Total, Other Defense Activities ^c	122,664	75,949	75,949

Site Description

**Idaho National Laboratory
Introduction**

The Idaho National Laboratory (INL) is an extensive research and engineering complex that has been the center of nuclear energy research since 1949. It occupies 890 square miles in southeastern Idaho along the western edge of the Snake River Plain, 42 miles northwest of Idaho Falls, Idaho. There are nine primary facilities at the INL as well as administrative, engineering, and research laboratories in Idaho Falls, Idaho. The Office of Nuclear Energy (NE) is the Lead Program Secretarial Office (LPSO) responsible for the Idaho Operations Office (ID).

Idaho Sitewide Safeguards and Security

The Idaho Sitewide Safeguards and Security program provides protection of nuclear materials, classified matter, government property, and other vital assets from unauthorized access, theft, diversion, sabotage, espionage, and other hostile acts that may cause risks to national security, the health and safety of DOE

^a Excludes \$81,774,000 appropriated under Energy Supply and Conservation appropriation and \$13,365,000 from Naval Reactors.

^b Beginning in FY 2007, all funding for Idaho Facilities Management and Program Direction are requested under Energy Supply and Conservation appropriation.

^c Funding totals exclude reduction for security charge for reimbursable work of \$3,003,000.

and contractor employees, the public or the environment. Program activities include security systems, material control and accountability, information and cyber security, and personnel security. In addition, a protective force is maintained. These activities ensure that the site, personnel, and assets remain safe from potential threats.

Infrastructure

Funding Profile by Subprogram

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request
Infrastructure			
Idaho Facilities Management	17,584 ^a	0 ^b	0
Idaho Sitewide Safeguards and Security	74,288 ^c	75,949	75,949
Total, Infrastructure	91,872	75,949	75,949

Public Law Authorizations:

P.L. 109-103, Energy and Water Development Appropriations Act, 2006

P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006

Mission

The mission of the Infrastructure program within the Other Defense Activities appropriation is to safeguard the national nuclear infrastructure against hostile acts that may cause unacceptable adverse impacts on national security; program continuity; or the health and safety of employees, the public, or the environment.

Beginning in FY 2007, the Idaho Facilities Management program is requested only under the Energy Supply and Conservation appropriation. Prior to FY 2007, the Idaho Facilities Management program was funded in both the Energy Supply and Conservation and the Other Defense Activities appropriations. Funding tables, performance measures, and budget justification address only the Idaho Sitewide Safeguards and Security program. The FY 2007 and FY 2008 funding tables, performance measures, and budget justification of the Idaho Facilities Management are included in the Energy Supply and Conservation appropriation.

Benefits

The Infrastructure program supports the Department's Defense Strategic Goal to protect our national security by protecting nuclear materials, classified matter, Government property, and other vital assets from unauthorized access, theft, diversion, sabotage, espionage, and other hostile acts that may cause risks to national security, the health and safety of DOE and contractor employees, the public or the environment.

^a Excludes \$81,774,000 appropriated under Energy Supply and Conservation and \$13,365,000 from Naval Reactors and includes a rescission of \$177,620 in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006.

^b Beginning in FY 2007, all funding for Idaho Facilities Management is requested under Energy Supply and Conservation appropriation.

^c Includes a rescission of \$720,050 in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006.

Other Defense Activities/

Nuclear Energy/

Infrastructure

Strategic and GPRA Unit Program Goals

The Department's Strategic Plan identifies five Strategic Themes (one each for energy security, nuclear security, scientific discovery, environmental responsibility and management excellence), plus 16 Strategic Goals that tie to the Strategic Themes. The Infrastructure program supports the following goals:

Strategic Theme 1, Energy Security

Strategic Goal 1.2, Environmental Impacts of Energy: Reduce greenhouse gas emissions and other environmental impacts (water use, land use, criteria pollutants) from our energy production and use.

The Infrastructure program has one GPRA Unit Program goal which contributes to Strategic Goals 1.2 in the "goal cascade":

GPRA Unit Program Goal 1.2.15.00: Maintain and Enhance National Nuclear Infrastructure - Maintain, enhance, and safeguard the Nation's nuclear infrastructure capability to meet the Nation's energy, medical research, space exploration, and national security needs.

Contribution to GPRA Unit Program Goal 1.2.15.00 (Maintain and Enhance National Nuclear Infrastructure)

The Department has the responsibility to maintain and enhance the Nation's nuclear infrastructure currently in place. The Idaho Sitewide Safeguards and Security program supports activities that are required to protect the Department's Idaho complex assets from theft, diversion, sabotage, espionage, unauthorized access, compromise, and other hostile acts which may cause unacceptable adverse impacts on national security, program continuity, the health and safety of employees, the public, or the environment.

Funding by Strategic and GPRA Unit Program Goal

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Strategic Goal 1.2, Environmental Impacts of Energy			
GPRA Unit Program Goal 1.2.15.00, Maintain and Enhance National Nuclear Infrastructure			
Idaho Facilities Management	17,584 ^a	0 ^b	0
Idaho Sitewide Safeguards and Security	74,288 ^c	75,949	75,949
Total, Strategic Goal 1.2 (Infrastructure)	91,872	75,949	75,949

^a Excludes \$81,774,000 appropriated under Energy Supply and Conservation and \$13,365,000 from Naval Reactors and includes a rescission of \$177,620 in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006..

^b Beginning in FY 2007, all funding for Idaho Facilities Management is requested under Energy Supply and Conservation appropriation.

^c Includes a rescission of \$720,050 in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006

Annual Performance Results and Targets

FY 2003 Results	FY 2004 Results	FY 2005 Results	FY 2006 Results	FY 2007 Targets	FY 2008 Targets
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GPR Unit Program Goal 1.2.15.00 (Maintain and Enhance National Nuclear Infrastructure)

Idaho Facilities Management

Keep cost and schedule milestones for upgrades and construction of key facilities within 10 percent of approved baselines, using the cost-weighted mean percent variance (+/-10 percent) approach. (MET TARGET)

Keep cost and schedule milestones for upgrades and construction of key facilities within 10 percent of approved baselines, using the cost-weighted mean percent variance (+/-10 percent) approach. (MET TARGET)

Keep cost and schedule milestones for upgrades and construction of key facilities within 10 percent of approved baselines, using the cost-weighted mean percent variance (+/-10 percent) approach. (MET TARGET)

Keep cost and schedule milestones for upgrades and construction of key facilities within 10 percent of approved baselines, using the cost-weighted mean percent variance (+/-10 percent) approach. (MET TARGET)

Idaho Site-wide Safeguards and Security

Completed the Idaho Integrated Safeguards and Security Plan to assure appropriate protective measures are taken commensurate with the risks and consequences for both the laboratories on the Idaho site. (MET TARGET)

Issued the Design Basis Threat Implementation Plan for the Idaho National Engineering and Environmental Laboratory and Argonne National Laboratory-West. (MET TARGET)

Completed FY 2005 actions at the Idaho Site required to implement the May 2003 Design Basis Threat (DBT) as defined in the Program Management Plan that remain consistent with the requirements of the October 2004 DBT. (MET TARGET)

Install all physical protective system upgrades for the May 2003 Design Basis Threat (DBT) as outlined in the approved DBT Program Management Plan that remain consistent with the requirements of the 2005 DBT. (MET TARGET)

Verify protection strategies through the use of quarterly force on force exercises as documented by the Federal Program Director.

Verify protection strategies through the use of quarterly force on force exercises as documented by the Federal Program Director.

Means and Strategies

The Infrastructure program will use various means and strategies to achieve its GPRA Unit Program goals. However, various external factors may impact the ability to achieve these goals. The program also performs collaborative activities to help meet its goals.

The Department will implement the following means:

- Continue planning activities to implement the 2005 Design Basis Threat (DBT) policy to ensure appropriate protective measures are taken commensurate with risk and consequence.

The Department will implement the following strategies:

- Provide physical protection and maintain operational security systems. Implement personnel identity verification and diskless workstation systems and conduct semi-annual and annual program reviews.

The following external factors could affect NE's ability to achieve its strategic goal:

- Idaho Sitewide Safeguards and Security Key External Factors: Annual review of the Design Basis Threat (DBT) policy, which is based on current intelligence information and threat assessment, could result in significant changes in DBT requirements. This could affect NE's ability to achieve goals on schedule. In addition, significant change in National Security Condition (SECON) level in response to a national security event would require re-prioritization of resources that could impact the DBT implementation schedule. Finally, acquisition and testing of developmental high technology security systems have the potential to reduce the number of protective forces personnel, however, these systems have not been tested to determine their application at DOE national laboratories.

Validation and Verification

To validate and verify program performance, NE will conduct various internal and external reviews and audits. NE's programmatic activities are subject to periodic review by the Congress, the Government Accountability Office, the Department's Inspector General, the Nuclear Regulatory Commission, the U.S. Environmental Protection Agency, state environmental and health agencies, the Defense Nuclear Facilities Safety Board, and the Department's Office of Engineering and Construction Management (including DOE Real Property Management Order). In addition, NE provides continual management and oversight of its vital field infrastructure programs. Periodic internal and external program reviews evaluate progress against established plans. These reviews provide an opportunity to verify and validate performance. Monthly, quarterly, semi-annual and annual reviews, consistent with program management plans, are held to ensure technical progress, cost and schedule adherence, and responsiveness to program requirements.

Idaho Facilities Management
Funding Schedule by Activity

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
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Idaho Facilities Management

Idaho National Laboratory (INL) Infrastructure

INL Operations and Infrastructure

	17,584	0	0
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Total, Idaho Facilities Management

	17,584	0	0
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Description

The Idaho National laboratory (INL) is a multi-program national laboratory that pursues a wide range of nuclear power research and development and other national energy security activities. The purpose of the Idaho Facilities Management (IFM) Program is to ensure that the infrastructure required to support these efforts is maintained and operated to meet programmatic requirements and in compliance with environment, safety and health rules and regulations.

The IFM Program manages and operates the three main engineering and research campuses at the INL: (1) the Reactor Technology Complex (RTC) at the site, an 890 square mile reservation west of Idaho Falls, (2) the Materials and Fuels Complex (MFC) at the site, and (3) the Science and Technology Complex (STC) in Idaho Falls. As INL landlord, the IFM Program also manages and operates the Central Facilities Area (CFA) at the site and various sitewide infrastructure systems and facilities, such as electrical utility distribution.

The STC, CFA and Sitewide Infrastructure systems and facilities come under Sitewide Infrastructure within the IFM Program. The funding above is for Sitewide Infrastructure only. Beginning in FY 2007, all of the Idaho Facilities Management Program is requested under the Energy Supply and Conservation appropriation. Prior to FY 2007, the Sitewide Infrastructure part of the IFM program was funded in the Other Defense Activities appropriations.

Benefits

The IFM program supports National Energy Policy goals by maintaining and operating INL basic infrastructure that is required to support facilities dedicated to advanced nuclear energy technology research and many other Federal government activities. Additional activities include managing special nuclear materials contained in these facilities and the disposition of DOE legacy waste materials under NE ownership.

NE has developed an INL Ten Year Site Plan (TYSP) that serves as a guide to establishing the annual budget requirements for the IFM Program, provides a mission needs analysis of facilities and infrastructure, and identifies maintenance and recapitalization investments at the site to support projected missions such as the Advanced Fuel Cycle Initiative, the Generation IV Nuclear Energy

**Other Defense Activities/
Nuclear Energy/**

Systems Initiative, a range of national security technology programs, and the Idaho Cleanup Project (ICP) under the Office of Environmental Management. The plan meets the requirements of DOE Order 430.1B, *Real Property Asset Management (RPAM)*.

Detailed Justification

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
INL Operations and Infrastructure	17,584	0	0
▪ Base Operations	12,599	0	0
<p>Sitewide Infrastructure Base Operations maintains the STC, the CFA, and the INL common-use facilities, utilities, equipment, and land. The CFA consists of 72 buildings and 60 major support structures. The STC includes 30 DOE owned and leased buildings consisting of office space and extensive laboratory facilities. The Sitewide Infrastructure outside NE campuses and the ICP work complexes consists of 34 buildings and 35 major utility systems and structures.</p>			
▪ Routine Maintenance and Repair	674	0	0
<p>The goal of this program is to fund routine maintenance and repair within the target industry range of 2% to 4% of Replacement Plant Value (RPV). The use of this industry benchmark was recommended by the National Research Council's Congressionally-sponsored 1998 study, <i>Stewardship of Federal Facilities</i>.</p>			
▪ General Plant Projects (GPP)	1,244	0	0
<p>In FY 2006, GPPs for Sitewide Infrastructure support recapitalization of the INL in accordance with DOE Order 430.1B, <i>Real Property Asset Management</i> and the INL TYSP.</p>			
▪ Capital Equipment (CE)	3,067	0	0
<p>In FY 2006, equipment purchases for Sitewide Infrastructure include such things as shop and miscellaneous maintenance equipment, vehicles and heavy equipment, and laboratory equipment. This funding primarily provides replacements for aged, deteriorated equipment and procurement of new equipment to meet emerging requirements.</p>			
Total, Idaho Facilities Management	17,584^a	0	0

^a Excludes \$81,774,000 appropriated under Energy Supply and Conservation appropriation and \$13,365,000 from Naval Reactors and includes a rescission of \$177,620 in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006.

Other Defense Activities/

Nuclear Energy/

Infrastructure/Idaho Facilities Management

Idaho Sitewide Safeguards & Security

Funding Schedule by Activity

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Idaho Sitewide Safeguards and Security			
Idaho Operations Office	74,288 ^a	75,949	75,949
Less Security Charge for Reimbursable Work	-3,003	-3,003	-3,003
Total, Idaho Sitewide Safeguards and Security	71,285	72,946	72,946

Description

The mission of the Idaho Sitewide Safeguards and Security (S&S) program is to protect DOE interests from theft, diversion, sabotage, espionage, unauthorized access, compromise, and other hostile acts that may cause unacceptable adverse impacts on national security; program continuity; or the health and safety of employees, the public, or the environment.

Benefits

This program is designed to support DOE's Defense Strategic Goal to protect our national security. The Idaho Sitewide Safeguards and Security program provides protection of nuclear materials, classified matter, Government property, and other vital assets from unauthorized access, theft, diversion, sabotage, espionage, and other hostile acts that may cause risks to national security, the health and safety of DOE and contractor employees, the public or the environment.

DOE fully implemented the 2003 Design Basis Threat (DBT) in FY 2006 by completing physical upgrades and reducing Category I facilities at INL to two co-located Category I facilities protected by a single Perimeter Intrusion Detection and Assessment System (PIDAS). Implementation was conducted in accordance with the approved resource-loaded Idaho Site DBT Implementation Plan. DOE will continue minimal activities toward implementation of the 2005 DBT policy requirements using a risk-informed approach to physical upgrades.

^a Includes a rescission of \$720,050 in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006.

Other Defense Activities/

Nuclear Energy/

Infrastructure/

Idaho Sitewide Safeguards and Security

Detailed Justification

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Idaho Operations Office	74,288	75,949	75,949
<ul style="list-style-type: none"> ▪ Protective Forces 42,665 42,500 43,776 			
<p>Physical Protection Protective Forces provides for security guards or other specialized personnel and equipment, training, and management needed to effectively carry out the protection tasks during normal and security emergency conditions.</p>			
<ul style="list-style-type: none"> ▪ Security Systems 15,961 12,092 11,656 			
<p>Physical Security Protection Systems provides for equipment to protect vital security interests and Government property per the local threat, including performance testing, intrusion detection and assessment, fences, barriers, secure storage, lighting, sensors, entry/access control devices, locks, explosives detection, and vital components and tamper-safe monitoring.</p>			
<ul style="list-style-type: none"> ▪ Information Security 2,157 2,226 2,069 			
<p>Information Security ensures that classified and sensitive unclassified matter is adequately protected, including export controls, classified matter protection and control, technical surveillance countermeasures, and operations security.</p>			
<ul style="list-style-type: none"> ▪ Personnel Security 1,919 2,398 2,293 			
<p>Personnel Security includes clearance program, adjudication, security awareness and education, visit control, Personnel Security Assurance Program, psychological/medical assessments, and administrative review costs. Security Investigations (SI) activities performed by the Federal Bureau of Investigation (FBI) and the Office of Personnel Management (OPM)-associated access authorizations are funded by the Office of Security and are not requested/displayed in NE's budget.</p>			
<ul style="list-style-type: none"> ▪ Materials Control & Accountability 4,053 4,901 5,361 			
<p>Material Control and Accountability (MC&A) provides for the protection of special nuclear materials (SNM), nuclear weapons, test devices, and weapons components and parts by determining and documenting the amounts of nuclear materials in packaged items. The cost of activities such as MC&A training, proper measurement of materials, and performing a physical inventory are included in the budgets of those programs responsible for processing or storing SNM and nuclear weapons components and parts, and are not included here.</p>			
<ul style="list-style-type: none"> ▪ Program Management 2,138 2,232 2,196 			
<p>Program Management includes policy oversight and development and updating of security plans, assessments, and approvals to determine if assets are at risk. Also included are contractor management and administration, planning, and integration of security activities into facility operations.</p>			

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
▪ Cyber Security	5,395	9,600	8,598
Cyber Security ensures that sensitive and classified information that is electronically processed, transmitted, or stored is properly identified and protected. The Cyber Security activity ensures that electronic systems are appropriately marked and protected; automated information and protection systems are tested; Communications Security (COMSEC) and Telecommunications Electronics Material Protected from Emanating Spurious Transmissions (TEMPEST) measures are in place; and an appropriate level of infrastructure reliability and integrity is maintained.			
Total, Idaho Sitewide Safeguards and Security	74,288	75,949	75,949

Explanation of Funding Changes

FY 2008 vs. FY 2007 (\$000)

Idaho Sitewide Safeguards and Security

▪ Protective Forces	
The increase of \$1,276,000 reflects the purchase of security police officer equipment.	+1,276
▪ Security Systems	
The decrease of \$436,000 reflects completion of physical upgrades associated with the 2003 DBT.	-436
▪ Information Security	
The decrease of \$157,000 reflects a lower number of surveys planned to be conducted.	-157
▪ Personnel Security	
The decrease of \$105,000 reflects the accomplishment of logic access changes.	-105
▪ Materials Control & Accountability	
The increase of \$460,000 reflects the purchase of measurement equipment to replace components that are reaching the end of useful life.	+460
▪ Program Management	
The decrease of \$36,000 reflects slower program growth.	-36
▪ Cyber Security	
The decrease of \$1,002,000 reflects the accomplishment of adding two-factor authentication to all individual computer stations and establishing certification authority capability.	-1,002
Total Funding Change, Idaho Sitewide Safeguards and Security	0

Capital Operating Expenses and Construction Summary

Capital Operating Expenses

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
General Plant Projects	3,678	0	1,231
Capital Equipment	4,585	1,025	1,615
Total, Capital Operating Expenses	8,263	1,025	2,846

**Program Direction
Funding Profile by Category**

(dollars in thousands/whole FTEs)

	FY 2006	FY 2007	FY 2008
Idaho Operations Office			
Salaries and Benefits	23,792	0	0
Travel	975	0	0
Support Services	847	0	0
Other Related Expenses	5,178	0	0
Total, Idaho Operations Office	30,792	0 ^a	0
Full Time Equivalents	197	0	0
 Total Program Direction			
Salaries and Benefits	23,792	0	0
Travel	975	0	0
Support Services	847	0	0
Other Related Expenses	5,178	0	0
Total, Program Direction	30,792	0	0
Total, Full Time Equivalents	197	0	0

Mission

Program Direction provides the Federal staffing resources and associated costs required to provide overall direction and execution of the Office of Nuclear Energy (NE). NE promotes secure, competitive, and environmentally responsible nuclear technologies to serve the present and future energy needs of the country. NE carries out this mission in several ways. As the central organization with the Federal Government's core expertise in nuclear technology, NE directs the Nation's investment in nuclear science and technology by sponsoring research at the national laboratories, U.S. universities, and private industry. Through its support of innovative, higher risk science and by helping to preserve the national research and development infrastructure, NE works to advance the responsible use of nuclear technology. NE also manages the safe operation and maintenance of critical nuclear infrastructure and provides nuclear technology goods and services to industry and government.

NE is the Lead Program Secretarial Officer (LPSO) of the Idaho site. NE Headquarters and the Idaho Operations Office reorganized in January 2005 to more effectively support the new nuclear energy missions and prepare for the oversight and management of the new contracts for the operation of the Idaho site. This new structure will carry out all programmatic, project, and landlord responsibilities

^a Beginning in FY 2007, funding for program direction expenses and Full Time Equivalents for the Idaho Operations Office is requested under Energy Supply and Conservation.

assigned to NE now and in the future, both as LPSO and Contracting Officer for DOE's operations in Idaho, and as responsible PSO for programs, projects, facilities, and operations at other DOE sites. In FY 2005 and FY 2006, the program direction account for the Idaho Operations Office was funded from the Other Defense Activities appropriation. Beginning in FY 2007, funding for Idaho Operations Office is requested under Energy Supply and Conservation appropriation.

Detailed Justification

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Salaries and Benefits

23,792 0 0

The Federal Staff monitors and evaluates LPSO activities at Idaho Operations Office and the INL. The staff includes scientific, engineering, and technical personnel as well as program support personnel in the areas of budget, finance, general administration, procurement, information resource management, policy review and coordination, infrastructure management, construction management, labor relations, personnel and human resources management, and legal support.

Travel

975 0 0

Travel includes funding for transportation of Idaho personnel associated with NE programs, their per diem allowances while in authorized travel status, and other expenses incidental to travel.

Support Services

847 0 0

Support Services includes funding for technical and management support services provided to Idaho Operations Office employees associated with NE programs.

Other Related Expenses

5,178 0 0

Other Related Expenses includes funding at Idaho for the acquisition of computer hardware and software, telecommunications, mail services, office supplies, subscriptions, vehicle usage, printing, ergonomic furniture, rent and utilities.

Total, Program Direction

30,792 0 0

Support Services by Category

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Technical Support

Surveys Or Reviews of Technical Operations

847 0 0

Total, Technical Support

847 0 0

Total, Support Services

847 0 0

Other Related Expenses by Category

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Other Related Expenses			
Rent and Utilities	900	0	0
Communications, Utilities, Misc.	1,902	0	0
Printing and Reproduction	125	0	0
Other Services	1,306	4	5
Training	275	0	0
Operation and Maintenance of Equipment	605	0	0
Supplies and Materials	65	0	0
Total, Other Related Expenses	5,178	0	0

Defense Related Administrative Support

Funding Schedule by Activity

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Defense Related Administrative Support	86,699	93,258	99,000

Description

From FY 1999 through 2007, funding has been provided within the Other Defense Activities appropriation to offset funding within the Departmental Administration appropriation. This offset addresses the significant amount of administrative support activities performed within the Departmental Administration appropriation that are of direct benefit to the Department's defense-related programs.

Per direction provided in the FY 2004 Energy Water and Development conference report, the FY 2008 budget request reflects a proportional contribution from Other Defense Activities for Departmental Administration costs. This budget offsets Departmental Administration administrative work that supports the following appropriations: Defense Environmental Cleanup, Defense Nuclear Waste Disposal, and Other Defense Activities. These functions do not duplicate services provided within the Office of the Administrator for the National Nuclear Security Administrative Program.

Benefits

The services provided by the offices within Departmental Administration are performed without distinction between defense and non-defense related activities and benefit all headquarters organizations proportionally. These activities include processing personnel actions, building maintenance and operation, payroll and general accounting services, budgeting and funds execution, procurement, project management, information management, legal services, life-cycle asset management, workforce diversity, minority economic impact, policy, international affairs, Congressional and intergovernmental liaison, public affairs, and management of the Working Capital Fund.

Detailed Justification

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Defense Related Administrative Support	86,699	93,258	99,000

The funding request offsets the following expenses within the Departmental Administration Appropriation Account:

- Salaries and benefits include wages, overtime pay, cash incentive awards, lump sum leave payments and other performance awards for about 300 FTEs in areas such as human resources, budget, financial accounting, logistics, national and international energy policy analysis, environmental policy, project management, information management, legal, contract management, property management, congressional and intergovernmental liaison and public and media outreach.

(dollars in thousands)

FY 2006	FY 2007	FY 2008
---------	---------	---------

- Other Related Expenses includes funding for employee training and development and funding to support the Working Capital Fund for rental space, telecommunications, utilities and miscellaneous charges, printing and reproduction, other services, operating and maintenance of equipment, purchase of goods and services through government accounts, supplies and materials and equipment.
- Support Services finances technical and management support services. The areas of support include information technology support, project control and performance, facilities and infrastructure, strategic planning, independent financial auditing, automated data processing, project management evaluations, delivery of training, operation of the Headquarters technical and law libraries, database maintenance, financial system operations and minimal technical financial support.
- Program Support funding includes a proportionate share of the I-MANAGE system to design and implement new, integrated and user-friendly financial management systems for the Department. These systems will help the Department fulfill its fiduciary responsibilities and meet both internal management and external reporting requirements.
- Program support also supports the Department’s cyber security program which provides consistent principles and requirements for Cyber Security that Departmental organizations can implement for the protection of classified and unclassified information, as required by National laws and policies.

Explanation of Funding Changes

FY 2008 vs. FY 2007 (\$000)

Defense Related Administrative Support

The FY 2004 Energy Water and Development Conference report directed the Department to submit budget requests beginning with fiscal year 2005 that reflected a proportional contribution from Other Defense Activities for Departmental Administration costs. The FY 2008 funding represents 31.2% of the Departmental Administration appropriation administrative costs.

Total Funding Change, Defense Related Administrative Support

+5,742
<hr/>
+5,742

**Other Defense Activities
Office of Hearings and Appeals**

Overview

Appropriation Summary by Program

(dollars in thousands)

FY 2006 Current Appropriation	FY 2007 Request	FY 2007 CR	FY 2008 Request
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Other Defense Activities				
Hearings and Appeals	4,310	4,422	4,414	4,607
Total, Other Defense Activities	4,310	4,422	4,414	4,607

Preface

The Department of Energy operates and supervises a great number of programs to further its Strategic Plan, Themes, and Goals. OHA provides legal adjudicatory services for DOE’s programs so that disputes may be decided at the agency level in a fair, impartial and efficient manner.

Within the Other Defense Activities Appropriation, OHA operates with three principal legal staffs – the Office of Legal Analysis, the Office of Financial Analysis and the Office of Economic Analysis.

Mission

OHA’s mission is to conduct fair and efficient hearings and to issue decisions of the Department with respect to any adjudicative proceedings that the Secretary may delegate. OHA’s jurisdiction includes, for example, security clearance hearings, hearings of complaints filed under the DOE Contractor Employee Protection Program, appeals requesting review of any determination reached by any other official within the Department under OHA’s jurisdiction, and requests for exceptions from DOE regulations.

Benefits

In its adjudicatory mission for DOE, OHA offers a fair, impartial and customer-friendly process in which firms and individuals may seek review of agency actions. In personnel security cases, OHA’s goal is to issue timely, high quality and informed (i.e., based on evidence in the record) decisions that ensure that only trustworthy personnel are allowed access to classified information and special nuclear materials. Thus, OHA directly supports DOE’s Strategic Theme No. 2 – Nuclear Security. In whistleblower investigations and hearings involving DOE contractor employees, OHA helps to promote DOE’s Strategic Theme Nos. 4 and 5 – Environmental Responsibility and Management Excellence. These proceedings involve safety and other concerns, including those related to the responsible resolution of the environmental legacy of nuclear weapons production. In appeals, OHA reviews determinations reached by other DOE officials under the Secretary’s jurisdiction, including initial determinations under the Freedom of Information Act, the Privacy Act, and the payments-equal-to-taxes (PETT) provisions of Nuclear Waste Policy Act of 1982. OHA’s appeal cases span all of DOE’s Strategic Themes. Finally, in exceptions cases, OHA provides an important, regulatory relief valve where the application of a rule or regulation poses a serious hardship, inequity or unfair distribution of

burdens. These cases, which primarily involve the Energy Information Administration reporting requirements and the DOE's appliance efficiency standards, promote DOE's Strategic Theme No. 1 - Energy Security.

Strategic Themes and Goals and GPRA Unit Program Goals

The Department's Strategic Plan identifies five Strategic Themes (one each for nuclear, energy, science, management, and environmental aspects of DOE's mission) plus sixteen Strategic Goals that tie to the Strategic Themes. As a support office, Hearings and Appeals supports all of those goals through its adjudication of security clearances, whistleblower complaints, exception requests, and Freedom of Information Act appeals and other petitions.

Annual Performance Results and Targets

FY 2003 Results	FY 2004 Results	FY 2005 Results	FY 2006 Results	FY 2007 Targets	FY 2008 Targets
Program Goal: Support all DOE Strategic Themes and Goals					
			No more than 20 percent of Freedom of Information Act Appeal cases will be decided after the applicable deadline.	No more than 19 percent of Freedom of Information Act Appeal cases will be decided after the applicable deadline.	No more than 18 percent of Freedom of Information Act Appeal cases will be decided after the applicable deadline.
			On track to exceed goal. Zero percent of Freedom of Information Act Appeal cases decided after the applicable deadline.		
			<u>Establish a baseline for a productivity and/or timeliness performance measure for personnel security cases.</u>	<u>Consolidate hearings to meet or exceed 1.33 hearings per trip ratio.</u>	<u>Consolidate hearings to meet or exceed 1.38 hearings per trip ratio.</u>
			<u>Met goal. Identified consolidation of travel to hearings as a means to achieve efficiencies in the cost and employee time devoted to travel. Calculated a 2005 baseline of 1.23 hearings per trip. Established a new 2006 goal of 1.28 hearings per trip. On track to exceed goal.</u>		

Means and Strategies

OHA will continue to use various means and strategies to achieve its goals.

The OHA will implement the following means:

- The OHA will identify opportunities for efficiencies associated with the increased use of electronic filing and records.

The OHA will implement the following strategies:

- A team drawn from a cross-section of OHA will undertake these efforts.

This strategy will result in improved increased efficiencies in case processing and travel, as well as the ability to continue operations in case of disruption in physical access to offices.

Validation and Verification

To validate and verify performance, the team will file written reports with OHA senior management on a quarterly basis.

**Program Direction
Funding Profile by Category**

(dollars in thousands/whole FTEs)

	FY 2006	FY 2007	FY 2008
Headquarters			
Salaries and Benefits	3,236	3,310	3,469
Travel	90	90	75
Support Services	100	233	235
Other Related Expenses	884	789	828
Total, Headquarters	4,310	4,422	4,607
Total, Full Time Equivalents	24	25	25

Mission

Program Direction provides the Federal staffing resources and associated costs required to provide overall direction and execution of the Office of Hearings and Appeals mission, which supports Departmental strategic themes and goals. OHA does this through its adjudications of security clearances, whistleblower complaints, appliance efficiency and oil industry reporting cases, and information access cases.

Detailed Justification

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Salaries and Benefits	3,236	3,310	3,469
Funding supports 25 FTEs in FY 2008, including costs for pay raises and promotions. OHA staff provides experienced hearing officers and issues decisions in a wide variety of matters, such as security clearance and whistleblower cases.			
Travel	90	90	75
Funding supports travel to DOE sites to conduct hearings. The reduction reflects expected efficiencies from the consolidation of hearings.			
Support Services	100	233	235
Funding supports OHA's computer information system, OHA's internet presence, including rapid public access to all of the office's published decisions, and publication of decisions in the Federal Energy Guidelines loose-leaf service. OHA utilizes computer information systems to provide the most up-to-date information to management, to improve management decisionmaking, and to promote efficient use of resources, and promptly (within 24 hours) publish OHA decisions and findings on its publicly accessible, customer-friendly and increasingly visited website. With OHA's Information Management (IM) Infrastructure System, OHA funds contractor support to manage its information systems and associated IM costs charged through the Working Capital Fund. Also, OHA funds and supports DOE's Extended Common Integrated Technology Environment (eXCITE) and E-Government			

Other Defense Activities/

Hearings and Appeals/

Program Direction

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Initiatives.

Other Related Expenses

884

789

828

This category includes funding for: (i) employee training; and (ii) charges by the Working Capital Fund for base services: rent, utilities, telephone, supplies, postage, building operations, photocopies, telecommunications, printing (including publication of federal register notices, and printing of decisions), and other miscellaneous administrative support business lines. OHA also pays for certain services directly, such as computer timesharing (Westlaw).

Total, Program Direction

4,310

4,422

4,607

Explanation of Funding Changes

FY 2008 vs. FY 2007 (\$000)

Salaries and Benefits

Increase in salaries and benefits is due to general pay increases, promotions, and within-grade increases.

+159

Travel

Funding supports travel to DOE sites to conduct hearings. The reduction reflects expected efficiencies from the consolidation of hearings.

-15

Support Services

Increase is due to an increase in computer support contract.

+2

Other Related Expenses

Increase attributable to increase in Working Capital Fund expenses.

+39

Total Funding Change, Program Direction

+185

Support Services by Category

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
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Technical Support

eXCITE & computer contract support

100

190

196

Federal Energy Guidelines

43

39

Total, Technical Support

100

233

235

**Other Defense Activities/
Hearings and Appeals/
Program Direction**

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Total, Support Services	100	233	235

Other Related Expenses by Category

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Other Related Expenses			
Other Services	20	20	20
Purchases from Gov. Accounts	0	0	0
Working Capital Fund	864	769	808
Total, Other Related Expenses	884	789	828

**Other Defense Activities
Office of Environment, Safety and Health**

Overview

Appropriation Summary by Program

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2007 CR	FY 2008 Request ^a
Other Defense Activities				
Environment, Safety & Health (defense)	76,259	80,814	78,717	0
Total, Other Defense Activities	76,259	80,814	78,717	0
Energy Supply and Conservation				
Environment, Safety & Health (non-defense)	27,720	29,121	28,589	0
Total, Energy Supply and Conservation	27,720	29,121	28,589	0
Total, Other Defense Activities and Energy Supply and Conservation	103,979	109,935	107,306	0

Preface

The Office of Environment, Safety and Health (EH) is committed to ensuring that the safety and health of the Department of Energy (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 one program: Environment, Safety and Health (three subprograms) and Program Direction.

Mission

The mission of the EH is to provide the corporate leadership, performance goals, assistance, policies, programs and feedback to enable DOE to excel in mission performance while achieving excellence in safety and environmental stewardship.

Environment, Safety and Health performs critical functions which directly support the mission of the Department. These functions include providing technical support and assistance; assessing performance; ensuring quality assurance is properly applied; developing corporate policy, guidance, rules, orders and standards; and supporting an effective collaborative radiological and non radiological health studies program.

Benefits

The Office of Environment, Safety and Health performs critical functions which directly support the mission of the Department. These functions include:

^a FY 2008 funding for these activities are now included in the Offices of Health, Safety and Security; Management and Administration; General Counsel, Nuclear Energy, Environmental Management, and NNSA.

- Environment – Ensure the protection of the environmental resources affected by DOE activities.
- 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 – Promote the health and safety of DOE’s workers and communities surrounding DOE sites; develop comprehensive and effective safety and health policy for DOE workplace hazards, and conduct studies and medical screening to understand the effects of radiation, chemical and other potential hazards of DOE operations on humans.
- Corporate Performance Assessment – Provide environment, safety and health (ES&H) performance trending, analysis, and measures to ensure DOE’s ES&H goals are accomplished. Performance Trending and Analysis also focuses resources and senior management attention on significant and emerging issues. Ensure operating experience, including lessons learned and best practices, are identified and shared throughout the DOE to continuously improve performance and prevent adverse events from recurring. Improve the quality of worker radiation exposure measurements, thus helping to prevent future radiation exposure related litigation and compensation programs, through implementation of the 10 CFR 835 required DOE Laboratory Accreditation Program. Provide the corporate framework to ensure quality assurance is properly applied to all DOE operations and that work is performed safely and reliably, and provides the necessary policy, guidance, and corporate direction. Provide the Mixed Analyte Performance Evaluation Program to ensure quality in environmental data in support of DOE cleanup activities. Develop software toolkits and provide field training to promote efficiencies and effectiveness of environmental and facility sampling programs. Assure accountability of DOE radioactive/chemical waste at commercial facilities and defensibility of environmental data reported to field sites from commercial analytical laboratories through a consolidated audit program.
- Information Management – Ensure that information technology is acquired and information resources are managed in a manner that implements the policies and procedures of legislation and the President’s Management Agenda.
- Nuclear/Worker Safety Enforcement - Implement DOE’s congressional mandates to investigate safety conditions or events and apply enforcement sanctions to contractors for unsafe actions or conditions that violate DOE nuclear safety and worker safety requirements for protecting workers and the public.

DOE works to identify health concerns, investigate health effects from similar operations, integrate new occupational health understanding into DOE operations, and support the Department of Labor in implementing the Energy Employees Occupational Illness Compensation Program Act. EH leverages its resources and personnel to provide DOE’s line management programs with essential ES&H performance expectations: ES&H performance measures and analysis; management tools to promote the safe conduct of work, including the Department’s Quality Assurance Program; 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

Other Defense Activities/

Environment, Safety and Health (defense)/

Overview

organizations, and performance feedback on ES&H activities, to provide the safety infrastructure that allows for and promotes the safe and environmentally responsible conduct of work. The DOE Laboratory Accreditation Program promotes worker confidence that work is being accomplished safely, and provides the quality assurance documentation that could help prevent future worker radiation exposure litigation or additional worker exposure compensation programs. DOE's Analytical Services Program assures field managers the defensibility of environmental data through auditing and proficiency testing of analytical laboratories, and assures the accountability of radioactive and chemical waste being treated and disposed at commercial facilities.

Major Program Shift

On October 1, 2006, the Secretary of Energy integrated certain DOE Headquarters level functions for health, safety, and security from the former Offices of Environment, Safety and Health (EH); Security and Safety Performance Assurance (SSA); and the Departmental Representative to the Defense Nuclear Facilities Safety Board (DR) into the Office of Health, Safety and Security (HSS). The creation of HSS ensures that all health and safety functions previously managed by EH continue in a more integrated and effective manner to improve the protections afforded DOE workers and the public. Additionally, all safety and security functions previously managed by SSA continue to be effectively implemented. The analysis of the former EH and SSA organizations identified a number of functions that should be transferred to other organizations because they are either line management responsibilities (such as laboratory operations) or would function better through a more appropriate alignment in a different DOE program office. The functions that were transferred from EH are described within the detailed justification sections of this budget document.

Annual Performance Results and Targets^a

FY 2003 Results	FY 2004 Results	FY 2005 Results	FY 2006 Results	FY 2007 Targets	FY 2008 Targets ^b
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Environment, Safety and Health/Health

Obtain an average rating of no less than 85% on customer satisfaction surveys from Former Worker Program participants who receive medical screening during FY 2007. (Annual Output)

^a Annual effectiveness and efficiency performance targets will not be reported in the Department's annual Performance and Accountability Report (PAR).

^b Annual effectiveness and efficiency performance targets associated with these activities are now included in the FY 2008 Office of Health, Safety and Security budget within the Other Defense Activities appropriation.

Means and Strategies

The Office of Environment, Safety and Health will pursue the following means and strategies:

- Ensure DOE excellence in environment, safety and health.
- Ensure the protection of the environmental resources affected by DOE activities.
- Ensure DOE nuclear and non-nuclear facilities operate safely.
- Ensure the safety and health of workers at DOE facilities and the communities that surround them.
- Ensure accountability and continuous improvement in environment, safety, and health performance.
- Ensure the defensibility of environmental data to base regulatory compliance and remediation clean-up project decisions, and accountability of radioactive and chemical waste being treated and disposed at commercial facilities.
- Ensure EH meets the goals of the President's Management Agenda, initiative 4, "Expanded Electronic Government."
- Ensure EH organizational effectiveness.
- Ensure continuance of record research activities in support of the Department of Labor as required by Part E of Energy Employees Occupational Illness Compensation Program (Public Law 108-375).

Validation and Verification

To validate and verify program performance, the Office of Environment, Safety and Health will conduct various internal and external reviews and audits. Programmatic activities are subject to continuing reviews by the Congress, the Government Accountability Office, the Department's Inspector General, and the Defense Nuclear Facilities Safety Board. In addition, Headquarters senior managers conduct in-depth reviews of cost and schedule to ensure activities are on-track and within budget.

**Other Defense Activities
Office of Environment, Safety and Health**

Funding by Site by Program

	(dollars in thousands)		
	FY 2006	FY 2007	FY 2008 ^a
Brookhaven National Laboratory	64	64	0
Chicago Operations Office	0	49	0
East Tennessee Technology Park (K25)	20	20	0
Hanford Site	148	173	0
Idaho National Laboratory	94	94	0
Idaho Operations Office	6,291	5,461	0
Kansas City Plant	69	49	0
Lawrence Berkeley National Lab	535	297	0
Lawrence Livermore National Laboratory	3,336	3,361	0
Los Alamos National Laboratory	323	247	0
Nevada Site Office	3,000	3,000	0
NNSA Service Center	0	297	0
Oak Ridge Institute for Science and Education	1,752	1,901	0
Oak Ridge Nat'l Laboratory	455	406	0
Oak Ridge Operations Office	747	2,252	0
Ohio Field Office	69	118	0
Pacific Northwest National Laboratory	663	647	0
Pantex Site Office	89	89	0
Richland Operations Office	406	926	0
Sandia National Laboratories	134	129	0
Savannah River Operations Office	69	222	0
Y-12 Site Office	30	40	0
Washington Headquarters	57,965	60,972	0
Total, Other Defense Activities	76,259	80,814	0

Major Changes or Shifts by Site

Idaho Operations Office: Beginning in FY 2008, the finding associated with the Radiological and Environmental Science Laboratory (RESL) was transferred to the Office of Nuclear Energy to complement their work with the nuclear research mission and because they have the resources to manage facilities at INL.

Site Description

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

^a FY 2008 funding for these activities are now included in the Offices of Health, Safety and Security; Management and Administration; General Counsel, Nuclear Energy, Environmental Management, and NNSA.

scientific disciplines. BNL also provides specialized subject matter technical expertise in conducting reviews of safety analysis and risk assessment documents such as 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. In addition, Brookhaven participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data in support of the Office of Health.

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.

Chicago Operations Office has provided services that support the implementation and maintenance of selected cooperative agreements for the Former Worker Program as well as support for some international health studies through FY 2005. In FY 2006, the cooperative agreements for the Former Worker Program as well as the international health studies were implemented and are maintained through Washington Headquarters. In addition, the Chicago Operations Office researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

East Tennessee Technology Park (K25)

This site is located in the East Tennessee Technology Park on the Oak Ridge Reservation and is responsible for research and development, defense programs, environmental management, and environment, safety and health activities. Bechtel Jacobs (K25) participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data in support of the Office of Health. This site provides access to site records and information for use in occupational and public health related studies being performed by the Department of Health and Human Services under an interagency agreement with DOE.

Hanford Site

This site is located in Richland, Washington and manages environment, safety and health activities and supports cleanup and environmental restoration at the Hanford site. The Analytical Services Program work with Bechtel Hanford, Inc. supports the development of software toolkits to assist Departmental Field element sites in its environmental remediation and clean-up decision-making and implementation. The Visual toolkit enables environmental professionals to use the Data Quality Assessment process to make defensible, cost-effective decisions as simply as possible. This site ensures that effective safety policies and procedures guide the operations of DOE facilities.

AdvancedMed – Hanford: This site is located in Richland, Washington on the Hanford Site and supports the Operations Office. AdvancedMed – Hanford participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data in support of the Office of Health. AdvancedMed also coordinates with the University of

Other Defense Activities/

Environment, Safety and Health (defense)/

Funding by Site

Washington to offer a resource to current Hanford Tank Farm workers for independent medical screening.

Idaho National Laboratory

The Idaho National Laboratory (INL) located in Idaho Falls, executes multi-program missions and leverages expertise with emerging technology to meet the Nation's needs. INL participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data in support of the Office of Health.

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 Laboratory Accreditation Program (DOELAP), mandated by 10 CFR 835, administratively reports to the Idaho Operations Office. This accreditation program assures that worker radiation exposures are accurately determined and helps prevent future litigation and worker radiation exposure compensation programs. The Analytical Services Program (ASP) provides support for the Mixed Analyte Performance Evaluation Program (MAPEP) for proficiency testing of over 100 domestic analytical laboratories and 12 international laboratories involving DOE missions and interests. Performance testing and evaluation of these laboratories assures the defensibility and credibility of environmental data relative to regulatory compliance standards and DOE remediation clean-up projects. Both of these programs (i.e., DOELAP and MAPEP) provide for technically and legally defensible results of such measurements. In addition, this operations office researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

The Radiological and Environmental Sciences Laboratory (RESL) is funded through the Idaho Operations Office. RESL is a DOE-owned and operated Federal reference laboratory with core mission capabilities in radiation measurement and calibrations, and analytical chemistry. The laboratory conducts measurement quality assurance programs to assure that key DOE missions are completed in a safe and environmentally responsible manner.

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. Kansas City Plant participates in the Illness and Injury Surveillance Program through the collection and transmission of worker health and demographic data, in support of the Office of Health.

Lawrence Berkeley National Laboratory

Lawrence Berkeley National 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. The site provides continuous public access to an organized, well-documented, retrievable

Other Defense Activities/

Environment, Safety and Health (defense)/

Funding by Site

collection of DOE health effects information through an electronic data base, the Comprehensive Epidemiologic Data Resources (CEDR). In addition, this site researches and provides employee employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

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. LLNL provides software quality assurance expertise support to maintain the code registry that is important for nuclear safety analysis throughout the complex. The Central Registry is important in the analysis of the DOE nuclear facilities to ensure that their operations do not impact the health and safety of the public, the environment and the workers. Lawrence Livermore also supports the development of Software Quality Assurance documentation for EPICode. EPICode is a software tool used by nuclear analysts to determine potential accident consequences for nuclear facility operation. This project will upgrade the software quality assurance to ensure that the results obtained from these calculations are accurate for DOE facilities. Lawrence Livermore also participates in the Illness and Injury Surveillance Program through the collection and transmission of worker health and demographic data, in support of the Office of Health.

Los Alamos National Laboratory

Los Alamos National Laboratory (LANL) is located in Los Alamos County, northwest of Santa Fe, New Mexico. Its major activities include research and development, nuclear weapons safety, and environmental restoration. Los Alamos National Laboratory participates in the Illness and Injury Surveillance Program through the collection and transmission of worker health and demographic data in support of the Office of Health. This site provides access to site records and information for use in occupational and public health related studies being performed by the Department of Health and Human Services under an interagency agreement with DOE.

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. The Nevada Test Site provides technical support to the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data, in support of the Office of Health. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

National Nuclear Security Administration Service Center

This site provides liaison between the National Nuclear Security Administration service center and the site contractor. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

**Other Defense Activities/
Environment, Safety and Health (defense)/
Funding by Site**

Oak Ridge Institute for Science and Education (ORISE)

The Oak Ridge Institute for Science and Education (ORISE) is a U.S. DOE facility, located on a 150-acre site in Oak Ridge, Tennessee, focusing on scientific initiatives to research health risks from occupational hazards, assess environmental cleanup, respond to radiation medical emergencies, support radiation medical emergencies, support national security and emergency preparedness, and educate the next generation of scientists. ORISE is managed by Oak Ridge Associated Universities. ORISE provides services and products that support the development, implementation, and maintenance of international health studies and the Former Worker Program screening and medical examinations for former employees who are at risk for chronic beryllium disease due to their work at DOE and analysis of 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. ORISE is the data center for processing Office of Health's Illness and Injury Surveillance Program. ORISE provides data gathering and analysis services that support development of human reliability program polices for the medical and psychological fitness of individuals occupying safety or security sensitive positions. ORISE supports the Beryllium Exposure Registry and analyses. Through a separate cooperative agreement with Office of Health, ORISE conducts the National Former Worker Medical Supplemental Screening Program. This program serves former workers not covered by Office of Health's site-specific former worker medical screening initiatives.

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. ORNL provides services and products that support the development, implementation, and maintenance of international health studies. Provides support in the administration, training, materials, and follow-up services for the Office of Health activities including conference, workshops, and training materials. ORNL participates in the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data in support of the Office of Health. ORNL also manages a toll-free information hotline for former workers interested in learning more about medical screening services available to them through the Office of Health's Former Worker Program.

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. This operations office ensures that environmental analytical data is of high quality and reliable; thereby, reducing DOE risks and liabilities, and assures that the data is technically defensible and credible. The program conducts consolidated

Other Defense Activities/

Environment, Safety and Health (defense)/

Funding by Site

audits of commercial analytical laboratories, and commercial waste treatment, storage and disposal facilities; thus eliminating costly, redundant audits conducted independently by various field element sites. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

Ohio Field Office

DOE'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. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E. Fluor Fernald is one of the five project offices responsible for environmental restoration, waste management, and nuclear material and facility stabilization. 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. Fernald participates in the Illness and Injury Surveillance Program through the collection and transmission of worker health and demographic data in support of the Office of Health.

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 support to the international health studies program. Over the past 10 years, PNNL has supported DOE's Systematic Planning and Data Quality Objectives (DQO) initiatives. This project has evolved from general DQO training and implementation support to tools development and specific training on tools and approaches to systematic planning. DOE sponsored the initial developments of Visual Sample Plan (VSP), a software tool that ensures the right type, quality, and quantity of data are obtained to support confident decisions. VSP has evolved into a multi-agency toolkit supported by DOE, EPA, DOD, and DHS. This site ensures that effective safety policies and procedures guide the operations of DOE facilities. This site also facilitates 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). PNNL provides technical support to the Illness and Injury Surveillance Program through assistance in developing methods to estimate cumulative dosimetry exposures for current workers.

Pantex Site Office

The National Nuclear Security Administration Pantex Site Office manages the Pantex Plant, a 10,500-acre site, located approximately 17 miles northeast of Amarillo, Texas. The Pantex Site provides technical support to the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data, in support of the Office of Health.

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. In addition, this site researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E.

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. This site ensures that effective safety policies and procedures guide the operations of DOE facilities. Sandia also provides technical support to the Illness and Injury Surveillance program through collection and transmission of worker health, exposure, and demographic data, in support of the Office of Health.

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 supports the Office of Health through participation in the Illness and Injury Surveillance Program. This site provides access to site records and information for use in occupational and public health related studies being performed by the Department of Health and Human Services under an interagency agreement with DOE.

This site also researches and provides worker employment, medical and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act, Part E. Savannah River Site provides technical and staff support in the areas of Quality Assurance and Software Quality Assurance to include proposed improvement areas for DOE Corporate Quality Assurance; Central Registry; and Defense Nuclear Facility Safety Board (DNFSB) commitments and recommendations. Savannah River Site also provides support for improvements to the Occurrence Reporting and Processing System (ORPS) and associated processes to include training; updates to computer-based training products; causal analysis; and performance analysis.

Y-12 Site Office

Y-12, located about two miles southwest of Oak Ridge, Tennessee, provides technical support to the Illness and Injury Surveillance Program through collection and transmission of worker health, exposure, and demographic data, in support of the Office of Health.

**Other Defense Activities/
Environment, Safety and Health (defense)/
Funding by Site**

Washington Headquarters

The Office of Environment, Safety and Health (EH) Headquarters, located in the Washington, D.C. Metropolitan area, supports the EH mission by funding Federal staff responsible for directing, administering, and supporting the EH program in the areas of facility safety, corporate performance assessment, health, enforcement, nuclear safety, and worker advocacy. In addition, Federal staff is responsible for management, policy, personnel, technical/administrative support activities, budget, finance, and contracts and cooperative agreements. The Office of Information Management requires contractor support to ensure that information technology is acquired and information resources are managed in a manner that implements the policies and procedures of the President's Management Agenda, and legislation including the Paperwork Reduction Act and the Clinger-Cohen Act. This Office establishes, implements, and maintains a comprehensive and effective cyber/computer security, Capital Planning and Investment Control, and Federal Enterprise Architecture programs in order to support the President's Management Agenda initiative to Expand Electronic Government.

Environment, Safety and Health (defense)

Funding Profile by Subprogram

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request ^a
Environment, Safety and Health (defense)			
Corporate Safety Programs	11,071	15,663	0
Health	45,837	40,620	0
Employee Compensation Program	0	4,455	0
Total, Environment Safety and Health (defense)	56,908	60,738	0

Public Law Authorizations:

Public Law 83-703, "Atomic Energy Act of 1954", as amended
 Public Law 93-438, "Energy Reorganization Act of 1974"
 Public Law 95-91, "Department of Energy Organization Act"
 Public Law 95-134, "Marshall Islands (Related to Rongelap and Utirik Atolls)"
 Public Law 96-205, "Trust Territory of the Pacific Islands"
 Public Law 99-239, "Compact of Free Association Act of 1985"
 Public Law 100-408, "Price-Anderson Amendments Act of 1988"
 Public Law 103-62, "Government Performance and Results Act of 1993"
 Public Law 103-337, "National Defense Authorization Act of 1995"
 Public Law 107-310, "Dam Safety and Securities Act of 2002"
 Public Law 108-188, "Compact of Free Association Amendments Act of 2003"
 Public Law 108-375, "The Ronald W. Reagan National Defense Authorization Act for FY 2005"
 Public Law 109-163, "The National Defense Authorization Act for FY 2006"
 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; performance trending and analysis to ensure senior management operational awareness of safety issues; providing leadership and assistance to DOE Field operations to ensure the complex learns from each others mistakes and shares best operations practices; enforcing nuclear safety 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.

^a FY 2008 funding for these activities are now included in the Offices of Health, Safety and Security; Management and Administration; General Counsel, Nuclear Energy, Environmental Management, and NNSA.

Major Program Shift

On October 1, 2006, the Secretary of Energy integrated certain DOE Headquarters level functions for health, safety, and security from the former Offices of Environment, Safety and Health (EH); Security and Safety Performance Assurance (SSA); and the Departmental Representative to the Defense Nuclear Facilities Safety Board (DR) into the Office of Health, Safety and Security (HSS). The creation of HSS ensures that all health and safety functions previously managed by EH continue in a more integrated and effective manner to improve the protections afforded DOE workers and the public. Additionally, all safety and security functions previously managed by SSA continue to be effectively implemented. The analysis of the former EH and SSA organizations identified a number of functions that should be transferred to other organizations because they are either line management responsibilities (such as laboratory operations) or would function better through a more appropriate alignment in a different DOE program office. The functions that were transferred from EH are as follows:

- National Environmental Policy Act (NEPA) Program. This function was assigned to the Office of the General Counsel (GC) because it complements the functions of GC in ensuring that the Department's activities comply with applicable legal requirements including NEPA and other environmental laws. This transfer locates in one office both the legal and technical support personnel who assist program offices in meeting NEPA obligations, thus enabling the Department to further improve its NEPA documents and decision-making processes while maintaining the responsibility of the Under Secretaries and Assistant Secretaries with line management responsibility to ensure conformance of the Department's activities to environmental protection laws and principles.
- Non-safety-related quality assurance program elements. This function was transferred to the Office of Management (MA) because many aspects of quality assurance are related to product quality not safety. HSS retained the quality assurance aspects that relate to safety. Interfaces will be established between safety-related quality assurance and non-safety-related quality assurance to ensure the quality assurance process is applied appropriately across all functional areas, in addition to safety. This will increase the focus on quality assurance across the entire Department, not just in safety areas but in all areas to ensure that product specifications are consistently met.
- Radiological and Environmental Science Laboratory (RESL). RESL, located at Idaho National Laboratory (INL), was transferred to the Office of Nuclear Energy to complement their work with the nuclear research mission and because they have the resources to manage facilities at INL.
- Safety Review of Newly Constructed Facilities and New Start Projects. The review of safety regulation expectations of newly constructed facilities and new start projects is more properly a line management responsibility. This function, including funding and personnel who perform the function, were transferred to the NNSA and the Office of Environmental Management.
- Technical reviews of authorization bases documents. The support for these reviews is more properly a line management responsibility. The function, and personnel who perform the function, were transferred to NNSA's and the Under Secretary of Energy's Central Technical Authorities.
- Nuclear safety research coordination. This function, to coordinate and consolidate research activities associated with nuclear operations within the Department, was transferred to NNSA to capitalize on NNSA's work on the research mission and the work of the NNSA national laboratories.

Corporate Safety Programs

Funding Schedule by Activity

(dollars in thousands)

	FY 2006	FY 2007	FY 2008 ^a
Corporate Safety Programs			
Corporate Safety Programs	5,643	11,035	0
Radiological and Environmental Sciences Laboratory	4,132	2,450	0
Analytical Services Program	1,296	1,188	0
Nuclear Safety Research	0	990	0
Total, Corporate Safety Programs	11,071	15,663	0

Description

Corporate Safety Programs serve a crosscutting safety function for the Department and its stakeholders in assuring excellence and continuous improvement in environment, safety and health in the conduct of its missions and activities. Elements that comprise Corporate Safety Programs are: Performance Assessment, the Quality Assurance Program (which includes the Corrective Action Management Program), Filter Test Facility, Information Management, the Facility Safety Program (which includes Accident Investigations and Corporate Safety Basis), Price-Anderson Enforcement, the Radiological and Environmental Sciences Laboratory, and the Analytical Services Program.

The Program Goals of Environment, Safety and Health will be accomplished not only through the efforts of the direct (GPRA Unit) programs but with additional efforts from subprograms which support the GPRA Units in carrying out their mission. The Corporate Safety Programs subprogram performs the following functions in support of the overall mission of Environment, Safety and Health.

Benefits

These safety programs conduct activities that are critical to the Department's ability to monitor the status of environment, safety and health across the complex; to proactively identify and resolve emerging safety issues and adverse trends; to assure the quality of environmental data reported to the field from which regulatory compliance and remediation clean-up project decisions are made; and to assure continuous improvement in the protection of workers, communities, and the environment from the hazards associated with changing DOE missions and activities. These programs also serve our national security mission by assuring the effective integration of safety and success of mission programs, including security of our energy infrastructure, stockpile stewardship, and accelerated cleanup of DOE's excess sites and environmental contamination.

^a FY 2008 funding for these activities are now included in the Offices of Health, Safety and Security; Management and Administration; General Counsel, Nuclear Energy, Environmental Management, and NNSA.

Detailed Justification

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Corporate Safety Programs	5,643	11,035	0
Beginning in FY 2008,			
<ul style="list-style-type: none"> • the National Environmental Policy Act (NEPA) Program activities are funded by the Office of General Counsel; • Non-safety-related quality assurance program activities are funded by the Office of Management and Administration • support for safety regulation expectations of newly constructed facilities and new start projects and technical reviews of authorization bases documents activities are funded by NNSA and the Office of Environmental Management, • nuclear safety research coordination activities are funded by NNSA. 			
All other activities are funded by the Office of Health, Safety and Security.			
Radiological and Environmental Sciences Laboratory	4,132	2,450	0
Beginning in FY 2008, these activities are funded by the Office of Nuclear Energy.			
Analytical Services Program	1,296	1,188	0
Beginning in FY 2008, these activities are funded by the Office of Health, Safety and Security.			
Nuclear Safety Research	0	990	0
Beginning in FY 2008, these activities are funded by the Office of Health, Safety and Security.			
Total, Corporate Safety Programs	11,071	15,663	0

Explanation of Funding Changes

FY 2008 vs. FY 2007 (\$000)

Beginning in FY 2008:

- the National Environmental Policy Act (NEPA) Program activities are funded by the Office of General Counsel;
- Non-safety-related quality assurance program activities are funded by the Office of Management and Administration;
- support for safety regulation expectations of newly constructed facilities and new start projects and technical reviews of authorization bases documents activities are funded by NNSA and the Office of Environmental Management;
- nuclear safety research coordination activities are funded by NNSA; and
- the Radiological and Environmental Sciences Laboratory is funded by the Office of Nuclear Energy.

All other activities are funded by the Office of Health, Safety and Security.

-15,663

Total Funding Change, Corporate Safety Programs

-15,663

Health Programs

Funding Schedule by Activity

(dollars in thousands)

	FY 2006	FY 2007	FY 2008 ^a
Health Programs			
Radiation Effects Research Foundation (RERF)	13,848	13,848	0
Marshall Islands	6,000	6,000	0
Other Health Programs	25,989	20,772	0
Total, Health Programs	45,837	40,620	0

Description

The Office of Health supports five major program areas: the Former Worker Program (a nationwide program of medical screening to identify work related health effects); Domestic Health Studies (to investigate and identify work related injury and illness in the DOE worker population and populations surrounding DOE sites); International Health Studies (support for ongoing radiation health effects research in Russia, Spain, and Japan, as well as health care and resettlement activities in the Marshall Islands); Worker Safety and Health and Occupational Medicine Programs (to publish DOE worker safety and health and occupational medicine program performance expectations and promote preventive medicine), and Illness and Injury Surveillance program for current workers.

The Program Goals of Environment, Safety and Health will be accomplished not only through the efforts of the direct (GPRA Unit) programs but with additional efforts from subprograms which support the GPRA Units in carrying out their mission. The Health Programs subprogram performs the following functions in support of the overall mission of Environment, Safety and Health.

Benefits

The benefits of these projects and programs include discovery and documenting health effects outcomes that provide the scientific basis for national and international worker protection policy and standards. These radiation protection standards and practices, in turn, provide levels of protection appropriate for the risk posed to workers by hazards present at DOE sites.

^a FY 2008 funding for these activities are now included in the Office of Health, Safety and Security.

Employee Compensation Program

Funding Schedule by Activity

(dollars in thousands)

	FY 2006	FY 2007	FY 2008 ^a
Employee Compensation Program	0	4,455	0
Total, Employee Compensation Program	0	4,455	0

Description

In FY 2008, the Employee Compensation Program will continue record search activities in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act (EEOICPA) Parts B and E.

The Program Goals of Environment, Safety and Health will be accomplished not only through the efforts of the direct (GPRA Unit) programs but with additional efforts from subprograms which support the GPRA Units in carrying out their mission. The Employee Compensation Program subprogram performs the following functions in support of the overall mission of Environment, Safety and Health.

Benefits

Record search activities are necessary for employment verification, dose reconstruction and documentation of exposures to toxic substances as well as information on toxic substances in use at DOE facilities. The records supplied to the Department of Labor (DOL) and the National Institute of Occupational Safety and Health allow DOL to successfully adjudicate EEOICPA claims.

Detailed Justification

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Employee Compensation Program	0	4,455	0
Beginning in FY 2008, these activities are funded by the Office of Health, Safety and Security.			
Total, Employee Compensation Program	0	4,455	0

Explanation of Funding Changes

	FY 2008 vs. FY 2007 (\$000)
Beginning in FY 2008, these activities are funded by the Office of Health, Safety and Security.	-4,455
Total Funding Change, Employee Compensation Program	-4,455

^a FY 2008 funding for these activities are now included in the Office of Health, Safety and Security.

Detailed Justification

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Radiation Effects Research Foundation (RERF)	13,848	13,848	0
Beginning in FY 2008, these activities are funded by the Office of Health, Safety and Security.			
Marshall Islands	6,000	6,000	0
Beginning in FY 2008, these activities are funded by the Office of Health, Safety and Security.			
Other Health Programs	25,989	20,772	0
Beginning in FY 2008, these activities are funded by the Office of Health, Safety and Security.			
▪ Occupational Health	13,056	12,363	0
Beginning in FY 2008, these activities are funded by the Office of Health, Safety and Security.			
▪ Public Health	6,621	2,098	0
Beginning in FY 2008, these activities are funded by the Office of Health, Safety and Security.			
▪ Epidemiological Studies	3,057	3,056	0
Beginning in FY 2008, these activities are funded by the Office of Health, Safety and Security.			
▪ International Health Studies	3,255	3,255	0
Beginning in FY 2008, these activities are funded by the Office of Health, Safety and Security.			
Total, Health Programs	45,837	40,620	0

Explanation of Funding Changes

Beginning in FY 2008, these activities are funded by the Office of Health, Safety and Security.

Total Funding Change, Health Programs

FY 2008 vs. FY 2007 (\$000)

-40,620

-40,620

Program Direction

Funding Profile by Category

	(dollars in thousands/whole FTEs)		
	FY 2006	FY 2007	FY 2008 ^a
Idaho Operations Office			
Salaries and Benefits	312	329	0
Travel	6	6	0
Other Related Expenses	1	1	0
Total, Idaho Operations Office	319	336	0
Full Time Equivalents	2	2	
 Radiological and Environmental Sciences Laboratory			
Salaries and Benefits	2,459	2,585	0
Travel	44	46	0
Other Related Expenses	4	4	0
Total, Radiological and Environmental Sciences Laboratory	2,507	2,635	0
Full Time Equivalents	16	16	
 Headquarters			
Salaries and Benefits	16,200	16,286	0
Travel	268	755	0
Other Related Expenses	57	64	0
Total, Headquarters	16,525	17,105	0
Full Time Equivalents	109	116	0
 Total Program Direction			
Salaries and Benefits	18,971	19,200	0
Travel	318	807	0
Other Related Expenses	62	69	0
Total, Program Direction	19,351	20,076	0
Total, Full Time Equivalents	127	134	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.

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 DOE; 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

^a FY 2008 funding and FTE for these activities are now included in the Offices of Health, Safety and Security; Management and Administration, Nuclear Energy, Environmental Management, and NNSA.

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 2006	FY 2007	FY 2008
Salaries and Benefits	18,971	19,200	0
Beginning in FY 2008, a portion of this funding will be provided by the Offices of Management and Administration, Nuclear Energy, Environmental Management; and NNSA for the activities transferred to those organizations. The remainder of the funding will be provided by the Office of Health, Safety and Security.			
Travel	318	807	0
Beginning in FY 2008, a portion of this funding will be provided by the Offices of Management and Administration, Nuclear Energy, Environmental Management; and NNSA for the activities transferred to those organizations. The remainder of the funding will be provided by the Office of Health, Safety and Security.			
Other Related Expenses	62	69	0
Beginning in FY 2008, a portion of this funding will be provided by the Offices of Management and Administration, Nuclear Energy, Environmental Management; and NNSA for the activities transferred to those organizations. The remainder of the funding will be provided by the Office of Health, Safety and Security.			
Total, Program Direction	19,351	20,076	0

Explanation of Funding Changes

FY 2008 vs. FY 2007 (\$000)

Beginning in FY 2008, a portion of this funding will be provided by the Offices of Management and Administration, Nuclear Energy, Environmental Management; and NNSA for the activities transferred to those organizations. The remainder of the funding will be provided by the Office of Health, Safety and Security.

-20,076

Total Funding Change, Program Direction

-20,076

Other Related Expenses by Category

(dollars in thousands)

	FY 2006	FY 2007	FY 2008 ^a
Other Related Expenses			
Training	62	69	0
Total, Other Related Expenses	62	69	0

^a FY 2008 funding for these activities are now included in the Offices of Health, Safety and Security; Management and Administration, Nuclear Energy, Environmental Management, and NNSA.

Safeguards and Security Crosscut

Safeguards and Security Crosscut

Safeguards and Security

Program Mission

The mission of the Safeguards and Security (S&S) program at each Department of Energy (DOE) site is to protect DOE interests from theft, diversion, sabotage, espionage, unauthorized access, compromise, and other hostile acts which may cause unacceptable adverse impacts on national security, program continuity, the health and safety of employees, the public or the environment.

This section of the budget provides summary budget estimates of the Department's S&S programs. Details of the individual S&S programs and their budgets are found in the following program budget justifications:

- National Nuclear Security Administration
- Environmental Management
- Security and Safety Performance Assurance
- Health, Safety and Security
- Chief Information Officer
- Science
- Nuclear Energy

Program Overview

The budget for the Department's direct funded S&S programs is organized to ensure consistency in program and budget execution and ensure adequate management, direction, tracking and monitoring of security costs throughout the Department. Each S&S program budget provides high visibility for S&S issues and helps the Department prioritize functions for effective and efficient S&S program implementation. Furthermore, the structure of the S&S budgets ensures consistency in budget execution across diverse programs, principally the National Nuclear Security Administration, Environmental Management, Science, and Nuclear Energy. For these Field Security programs, the budget structure takes the form of the following seven program elements:

- 1. Protective Forces:** Provides for the protection of special nuclear materials, information, employees, and government property from theft, diversion, sabotage, and malicious destruction.
- 2. Security Systems:** Addresses access control and interior/exterior intrusion detection systems.
- 3. Information Security:** Ensures that individuals protect classified matter and sensitive unclassified matter, and establishes protection systems that require degrees of protection for each classification level.
- 4. Cyber Security:** Assures effective and efficient protection of computer and technical resources.
- 5. Personnel Security:** Supports activities associated with the access authorization program.
- 6. Material Control and Accountability:** Provides assurance that the nuclear materials used and/or stored at DOE facilities are properly controlled and accounted for at all times.

7. Program Management: Assures a framework for efficient and effective security operations.

Changes in the Composition of the Safeguards and Security Crosscut

The composition of the S&S crosscut is modified as security-related DOE organizations are changed to more effectively address the security concerns that confront the Department.

Funding by Site

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request
Safeguards and Security			
Field Security			
Science	73,630	76,592	76,592
National Nuclear Security Administration	789,751	746,412	871,057
Environmental Management	281,189	295,840	273,381
Nuclear Energy	74,288	75,949	75,949
Subtotal, Field Security	1,218,858	1,194,793	1,296,979
Headquarters Security			
Security & Safety Performance Assurance	304,024	298,497	NA
Health, Safety and Security	NA	NA	338,126
Office of the Chief Information Officer	24,486	38,183	35,184
National Nuclear Security Administration	8,000	8,000	10,000
Subtotal, Headquarters Security	336,510	344,680	383,310
Subtotal, Safeguards and Security	1,555,368	1,539,473	1,680,289
Security charge against reimbursable work	-40,608	-41,608	-42,608
Total, Safeguards and Security	1,514,760	1,497,865	1,637,681

Funding Profile

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request
Safeguards and Security			
Field Security			
Protective Forces	645,981	659,994	688,081
Security Systems	125,775	142,078	176,771
Information Security	34,259	36,489	29,026
Cyber Security	117,673	122,821	134,701
Personnel Security	42,430	45,123	44,551
Material Control and Accountability	43,668	44,898	38,862
Program Management	168,482	143,390	127,491
Construction (NNSA)	40,590	0	57,496
Subtotal, Field Security	1,218,858	1,194,793	1,296,979
Charge for Reimbursable Work	-40,608	-41,608	-42,608
Subtotal, Field Security	1,178,250	1,153,185	1,254,371
HQ Security			
Security & Safety Performance Assurance	304,024	298,497	NA
Health, Safety and Security	NA	NA	338,126
Office of the Chief Information Officer	24,486	38,183	35,184
National Nuclear Security Administration	8,000	8,000	10,000
Subtotal, Headquarters	336,510	344,680	383,310
Total Safeguards and Security	1,514,760	1,497,865	1,637,681

Protective Forces

Funding Schedule

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request
Security Systems			
Science	31,292	33,050	33,050
National Nuclear Security Administration	449,483	427,620	445,771
Environmental Management	152,541	156,824	165,484
Nuclear Energy	42,665	42,500	43,776
Total, Security Systems	675,981	659,994	688,081

Mission

The mission of Protective Forces is to protect the Department's critical assets which include nuclear weapons in DOE custody, nuclear weapons components, special nuclear materials, classified information and DOE facilities against a spectrum of threats, including terrorist activity, sabotage, espionage, theft, diversion, loss or unauthorized use. To accomplish this mission:

- Protective Force programs throughout the complex provide for salaries, wages and benefits for personnel; proper management and supervision; and sufficient quantities of well maintained and logically deployed equipment and facilities to ensure effective performance of assigned functions and tasks under normal and emergency conditions.
- Protective Forces programs perform critical functions including the conduct of access control and security response operations; the physical protection of special nuclear material, classified matter and information, and government property; emergency response forces and tactical assistance during events as well as an on-scene security commander; random patrols; coordination with local law enforcement and protective force elements aimed at providing effective response to emergency situations; random prohibited article inspections; security alarm monitoring and dispatch services; the collection and destruction of classified matter; and constant testing of the protective force to respond to various event scenarios.
- Protective Forces Programs maintain a Special Response Team capability to provide resolution of incidents that require effective and timely response with force options that exceed the capability of front line protective force personnel. This includes recapture and recovery operations involving the use of special weapons, systems and tactics to effect recovery of special nuclear material under authorized control.

Security Systems

Funding Schedule

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request
Security Systems			
Science	8,038	6,615	6,615
National Nuclear Security Administration	54,586	64,908	121,880
Environmental Management	47,190	58,463	36,620
Nuclear Energy	15,961	12,092	11,656
Total, Security Systems	125,775	142,078	176,771

Mission

The mission of Security Systems is the physical protection of special nuclear material and vital equipment, sensitive information, Departmental property and unclassified facilities. Included are buildings, fences, barriers, lighting, sensors, surveillance devices, entry control devices, access control systems, explosive detection systems, power systems and other real property and hardware designed for, or affecting security. This hardware and equipment is operated and used to support the protection of DOE property and other interests of national security.

Security Systems programs support DOE-wide efforts required to conduct performance assurance testing. These programs also ensure that security alarm systems are operational and functioning in accordance with applicable DOE Orders. Security System programs are also responsible for two essential subprograms: (1) a barriers/secure storage/lock program to restrict, limit, delay or deny entry into a designated area; and (2), an entry control/access program that provides positive identification of personnel requiring access to facilities and initial access to facilities in general, ensuring that persons entering/leaving facilities are authorized, and do not introduce prohibited articles into or remove Government property from Departmental facilities.

Estimates are provided for all access control administrative activity involving production, accountability and destruction of access authorization badges and firearms credentials. Estimates are also provided for vital systems components and tamper-safe oversight is provided by monitoring and responding to alarms, determining access and securing all alarmed structures on site. In addition, this element provides for handling all radio communications for the protection of the facilities.

Information Security

Funding Schedule

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request
Information Security			
Science	3,784	3,331	3,331
National Nuclear Security Administration	21,398	25,145	18,803
Environmental Management	6,920	5,787	4,823
Nuclear Energy	2,157	2,226	2,069
Total, Information Security	34,259	36,489	29,026

Mission

The mission of Information Security is to ensure that material and documents that may contain sensitive and classified information are accurately and consistently identified, properly reviewed for content, appropriately marked and protected from unauthorized disclosure, and ultimately destroyed in an approved manner.

Information Security programs provides for plans, policies, procedures and training to ensure that all employees are aware of the requirements for the identification, review, classification, declassification, marking, protection and proper disposal of sensitive information and classified material. In addition, operational security considerations are used to preclude inadvertent compromise.

Cyber Security

Funding Schedule

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request
Cyber Security			
Science	15,876	18,070	18,070
National Nuclear Security Administration	90,471	88,711	102,243
Environmental Management	5,931	6,440	5,790
Nuclear Energy	5,395	9,600	8,598
Total, Cyber Security	117,673	122,821	134,701

Mission

The mission of Cyber Security is to ensure that sensitive and classified information that is electronically processed, transmitted, or stored, is properly identified and protected. Cyber Security programs also ensure that electronic systems are appropriately marked and protected. The programs plan, document, and test classified automated information systems (AIS), communications security (COMSEC), TEMPEST; and maintain an appropriate level of infrastructure reliability and integrity, as well as an unclassified AIS program. Included are appropriate plans, policies and procedures, assessments, tests, monitoring and self-assessments, certifications, and user and administrator training/awareness.

Personnel Security

Funding Schedule

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request
Personnel Security			
Science	4,815	5,725	5,725
National Nuclear Security Administration	27,041	28,200	27,192
Environmental Management	8,655	8,800	9,341
Nuclear Energy	1,919	2,398	2,293
Total, Personnel Security	42,430	45,123	44,551

Mission

The mission of Personnel Security is to support the access authorization program (excluding Security Investigations), and ensure security sensitivity through security briefings such as the initial refresher and termination briefings, re-orientations, computer based training, special workshops and classes, publications, closed circuit television programs, signs, posters and special event days. Support for the access authorization program includes: (1) personnel security assurance program, adjudications, screening and analysis of personnel security cases for determining eligibility for access authorizations, administrative reviews, and handling of Freedom of Information and Privacy Act requests related to security access authorizations; (2) security awareness and education; and (3) operating and maintenance estimates associated with classified/unclassified visits and assignments by foreign nationals.

Material Control and Accountability

Funding Schedule

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request
Material Control and Accountability			
Science	2,392	2,341	2,341
National Nuclear Security Administration	26,889	27,940	21,710
Environmental Management	10,334	9,716	9,450
Nuclear Energy	4,053	4,901	5,361
Total, Material Control and Accountability	43,668	44,898	38,862

Mission

The mission of Material Control and Accountability (MC&A) is to provide assurance that nuclear materials are properly controlled and accounted for at all times. MC&A provides evidence that all nuclear materials are accounted for appropriately and that theft, diversion, or operational loss has not occurred. MC&A also supports weapons production, nuclear nonproliferation, nuclear materials operations, facility closure, and nuclear critical safety by determining and documenting the amounts of nuclear materials in weapons and packaged items. MC&A administration includes the following: (1) assessing the levels of protection, control and accounting required for the types and quantities of materials at each facility; (2) documenting facility plans for nuclear materials control and accounting; (3) assigning authorities and responsibilities for MC&A functions; (4) ensuring that facility MC&A personnel are trained and qualified to perform their responsibilities; (5) establishing programs to report occurrences such as nuclear material theft, the loss of control or inability to account for nuclear materials, or evidence of malevolent acts; (6) conducting performance testing of required program elements; and (7) establishing facility programs to conduct and document internal assessments of their operations and MC&A programs.

Program Management

Funding Schedule

(dollars in thousands)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request
Program Management			
Science	7,433	7,460	7,460
National Nuclear Security Administration	79,293	83,888	75,962
Environmental Management	49,618	49,810	41,873
Nuclear Energy	2,138	2,232	2,196
Total, Program Management	138,482	143,390	127,491

Mission

The mission of Program Management is to develop a framework for efficient and effective security operations. This includes the development and updating of S&S plans, conducting vulnerability assessments to determine if assets are at risk, modeling to ensure the plans and operations meet mission objectives, identifying assets that need protection, developing local threat assessments and participating in the S&S quality panel process and security education. In addition, these programs ensure that plans are developed and revised in accordance with DOE Orders, professional and technical training is administered, and goals and objectives of the Office of Security and Safety Performance Assurance are implemented complex wide.

The programs develop S&S plans or other applicable security plans and implement S&S requirements, conduct surveys to determine whether S&S requirements have been implemented, respond to national and local threats and perform a vulnerability analysis that measures the risk of S&S assets. Program Management includes participation in the quality panel process which raises issues from the field to the headquarters managers and ensures that the staff is properly educated with respect to security matters.