

DEPARTMENT OF ENERGY

FY 2007 CONGRESSIONAL BUDGET REQUEST

OTHER DEFENSE ACTIVITIES

SECURITY & SAFETY PERFORMANCE ASSURANCE

ENVIRONMENT, SAFETY & HEALTH

LEGACY MANAGEMENT

NUCLEAR ENERGY

DEFENSE RELATED ADMINISTRATIVE SUPPORT

HEARINGS AND APPEALS

SAFEGUARDS & SECURITY CROSSCUT



FEBRUARY 2006

VOLUME 2

OFFICE OF CHIEF FINANCIAL OFFICER

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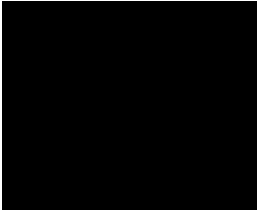
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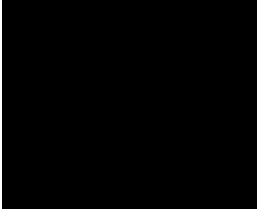
VOLUME 2



Other Defense Activities

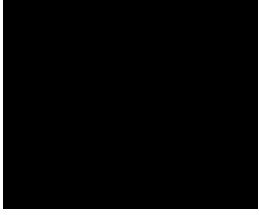


Safeguards and Security Crosscut





Other Defense Activities



Safeguards and Security Crosscut

Volume 2

Table of Contents

	Page
Appropriation Account Summary.....	3
Other Defense Activities.....	7
Safeguards and Security Crosscut.....	159

The Department of Energy's FY 2007 Congressional Budget justification is available on the Office of Chief Financial Officer/CFO homepage at <http://www.mbe.doe.gov/budget/>

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

	FY 2005 Current Approp.	FY 2006 Current Approp.	FY 2007 Congressional Request	FY 2007 vs. FY 2006	
				\$	%
Discretionary Summary By Appropriation					
Energy And Water Development, And Related Agencies					
Appropriation Summary:					
Energy Programs					
Energy supply and Conservation.....	1,801,815	1,812,627	1,923,361	+110,734	+6.1%
Fossil energy programs					
Clean coal technology.....	-160,000	-20,000	—	+20,000	+100.0%
Fossil energy research and development.....	560,852	592,014	469,686	-122,328	-20.7%
Naval petroleum and oil shale reserves.....	17,750	21,285	18,810	-2,475	-11.6%
Elk Hills school lands fund.....	36,000	84,000	—	-84,000	-100.0%
Strategic petroleum reserve.....	126,710	207,340	155,430	-51,910	-25.0%
Northeast home heating oil reserve.....	4,930	—	4,950	+4,950	N/A
Strategic petroleum account.....	43,000	-43,000	—	+43,000	+100.0%
Total, Fossil energy programs.....	629,242	841,639	648,876	-192,763	-22.9%
Uranium enrichment D&D fund.....	495,015	556,606	579,368	+22,762	+4.1%
Energy information administration.....	83,819	85,314	89,769	+4,455	+5.2%
Non-Defense environmental cleanup.....	439,601	349,687	310,358	-39,329	-11.2%
Science.....	3,635,650	3,596,391	4,101,710	+505,319	+14.1%
Nuclear waste disposal.....	343,232	148,500	156,420	+7,920	+5.3%
Departmental administration.....	128,598	128,519	128,825	+306	+0.2%
Inspector general.....	41,176	41,580	45,507	+3,927	+9.4%
Total, Energy Programs.....	7,598,148	7,560,863	7,984,194	+423,331	+5.6%
Atomic Energy Defense Activities					
National nuclear security administration:					
Weapons activities.....	6,625,542	6,369,597	6,407,889	+38,292	+0.6%
Defense nuclear nonproliferation.....	1,507,966	1,614,839	1,726,213	+111,374	+6.9%
Naval reactors.....	801,437	781,605	795,133	+13,528	+1.7%
Office of the administrator.....	363,350	338,450	386,576	+48,126	+14.2%
Total, National nuclear security administration.....	9,298,295	9,104,491	9,315,811	+211,320	+2.3%
Environmental and other defense activities:					
Defense environmental cleanup.....	6,800,848	6,130,447	5,390,312	-740,135	-12.1%
Other defense activities.....	687,149	635,578	717,788	+82,210	+12.9%
Defense nuclear waste disposal.....	229,152	346,500	388,080	+41,580	+12.0%
Total, Environmental & other defense activities.....	7,717,149	7,112,525	6,496,180	-616,345	-8.7%
Total, Atomic Energy Defense Activities.....	17,015,444	16,217,016	15,811,991	-405,025	-2.5%
Power marketing administrations:					
Southeastern power administration.....	5,158	5,544	5,723	+179	+3.2%
Southwestern power administration.....	29,117	29,864	31,539	+1,675	+5.6%
Western area power administration.....	171,715	231,652	212,213	-19,439	-8.4%
Falcon & Amistad operating & maintenance fund.....	2,804	2,665	2,500	-165	-6.2%
Colorado River Basins.....	—	-23,000	-23,000	—	—
Total, Power marketing administrations.....	208,794	246,725	228,975	-17,750	-7.2%
Federal energy regulatory commission.....	—	—	—	—	—
Subtotal, Energy And Water Development and Related Agencies.....	24,822,386	24,024,604	24,025,160	+556	+0.0%
Uranium enrichment D&D fund discretionary payments.....	-459,296	-446,490	-452,000	-5,510	-1.2%
Excess fees and recoveries, FERC.....	-18,452	-15,542	-16,405	-863	-5.6%
Total, Discretionary Funding.....	24,344,638	23,562,572	23,556,755	-5,817	-0.0%

Other Defense Activities

Other Defense Activities

Table of Contents

	Page
Appropriation Language	9
Appropriation Summary by Program.....	11
Security and Safety Performance Assurance	13
Environment, Safety and Health	63
Legacy Management.....	97
Nuclear Energy	121
Defense Related Administrative Support.....	147
Hearings and Appeals	149

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 ten passenger motor vehicles for replacement only, [including not to exceed two buses; \$641,998,000] *\$717,788,000*, to remain available until expended. (*Energy and Water Development Appropriations Act, 2006.*)

Explanation of Change

Changes reflect revisions to funding amounts and fiscal year references.

Department of Energy
Appropriation Summary by Program
(dollars in thousands)

	FY 2005 Current Approp.	FY 2006 Current Approp.	FY 2007 Congressional Request	FY 2007 vs. FY 2006	
				\$	%
Other Defense Activities					
Office of security.....	296,118	—	—	—	—
Security and safety performance assurance.....	—	304,024	298,497	-5,527	-1.8%
Independent oversight and performance assurance.....	24,472	—	—	—	—
Environment, safety and health.....	128,603	76,259	80,814	+4,555	+6.0%
Office of Legacy Management.....	46,520	44,625	167,851	+123,226	+276.1%
Nuclear energy.....	113,456	122,664	75,949	-46,715	-38.1%
Defense related administrative support.....	91,700	86,699	93,258	+6,559	+7.6%
Office of hearings and appeals.....	4,283	4,310	4,422	+112	+2.6%
Subtotal, Other defense activities.....	705,152	638,581	720,791	+82,210	+12.9%
Use of prior year balances and other adjustments.....	-18,003	-3,003	-3,003	—	—
Total, Other Defense Activities.....	687,149	635,578	717,788	+82,210	+12.9%

**Other Defense Activities
Security and Safety Performance Assurance**

**Overview
Appropriation Summary by Program**

(dollars in thousands)

	FY 2005 Current Appropriation	FY 2006 Original Appropriation	FY 2006 Adjustments ^a	FY 2006 Current Appropriation	FY 2007 Request
Other Defense Activities					
Security and Safety Performance Assurance.....	320,590 ^b	307,095	-3,071	304,024	298,497
Total, Other Defense Activities.....	320,590 ^b	307,095	-3,071	304,024	298,497

Preface

The Office of Security and Safety Performance Assurance (SSA) is responsible for the development, promulgation, and evaluation of security programs, and the independent oversight of security; cyber security; emergency management; and environment, safety, and health programs throughout the Department. SSA develops and assists in the implementation of strategies, policies, and technology pertaining to the protection of national security and other critical assets entrusted to the Department; and provides information and analysis regarding the effectiveness, vulnerabilities, and trends of the Department’s security, safety, and other programs and functions of interest to departmental senior management and other stakeholders. SSA also provides administrative support to the Office of the Departmental Representative to the Defense Nuclear Facilities Safety Board.

Within the Other Defense Activities appropriation, the SSA program has three subprograms: Nuclear Safeguards and Security (NSS), Security Investigations (SI), and Program Direction. Within NSS are 3 key activities: Operational Support; Technology Development and Systems Deployment; and Classification, Declassification, and Controlled Information. Within SI are 3 key activities: Federal Bureau of Investigation, Office of Personnel Management, and Related Security Investigations Activities.

This Overview will describe Strategic Context, Mission, and Benefits. 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, this Overview will address Significant Program Shifts.

^a Reflects a 1% rescission in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006.

^b FY 2005 funding includes \$14,608,000 for the support of the DOE Emergency Operations Center. Funding was transferred to the National Nuclear Safety Administration in FY 2006.

Strategic Context

Following publication of the Administration's National Energy Policy, the Department developed a Strategic Plan that defines its mission, four strategic goals for accomplishing that mission, and seven general goals to support the strategic goals. As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. SSA performs critical functions, which directly support the mission of the Department. These functions include developing and promulgating security policies, training, and technology throughout DOE; assisting the United States and other governments track the use and movement of nuclear material; and providing information to the Secretary and other DOE managers regarding the status and effectiveness of the Department's security and safety program implementation.

Mission

SSA provides for the development, promulgation, and evaluation of security programs, and the independent oversight of security; cyber security; emergency management; and environment, safety, and health programs throughout the Department; and provides security-related services to DOE Headquarters. SSA also provides administrative support to the Departmental Representative to the Defense Nuclear Facilities Safety Board.

As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. SSA performs critical functions that directly support the mission of the Department. These functions include:

- developing and promulgating clear and consistent security strategies and policies governing the protection of national security and other critical assets entrusted to the Department;
- developing and providing standardized, comprehensive security, and safety training throughout the Department;
- managing the Department's protective force for DOE facilities in the National Capital Area, including DOE's Continuity of Government facilities and plans;
- providing executive protective services for the Department;
- managing the development and deployment of security technologies;
- developing and implementing Department-wide nuclear and radiological materials tracking and accounting programs;
- assisting other governmental and departmental organizations in the mission of accounting for and assuring the security of nuclear material throughout the world;
- managing the Department's security investigations budget and personnel security programs associated with providing access authorizations to DOE Federal and contract personnel;
- 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 vital to national security;

**Other Defense Activities/
Security and Safety Performance Assurance/
Overview**

FY 2007 Congressional Budget

- assisting Departmental and other U.S. Governmental organizations in providing adequate protection to national security assets;
- providing specialized security support services to the Department associated with the development and dissemination of security awareness information; maintenance of various security-related data base systems; management of the foreign ownership, control, or influence and foreign visits, assignments, and travel programs; and conduct of vulnerability assessments in support of the implementation of the Design Basis Threat Policy;
- conducting 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; and,
- providing support for centralized leadership in resolving Defense Nuclear Facilities Safety Board issues.

Benefits

DOE must implement effective security programs in an increasingly challenging threat environment. The primary focus of SSA is on effectively and efficiently implementing protection programs that fully respond to the evolving Design Basis Threat Policy by addressing programmatic and technical uncertainties and establishing cooperation and useful dialog between managers and security professionals at all levels. Towards this end, and in support of the unprecedented security initiatives announced by the Secretary in May 2004, SSA is: 1) streamlining existing security policies to remove ambiguity in roles, responsibilities, and requirements; eliminate conflicts; and incorporate recent updates; 2) emphasizing the deployment of innovative security technology to transition from manpower intensive to engineered systems that provide greater security at reduced lifecycle costs; 3) advancing the professional development of DOE security and safety personnel to ensure that their training is responsive to the needs of the DOE community; 4) increasing the capabilities and responsiveness of the protective force; and 5) improving the defensive posture of DOE.

SSA also identifies and reports to senior DOE managers on site-specific and Department-wide issues regarding security, cyber security, emergency management, environment, safety, and health, classification and declassification programs and other programs using an efficient, systematic independent oversight process that emphasizes performance and performance testing; conducts follow-up activities to determine the effectiveness of corrective actions; and promotes line management self-assessment activities, thereby enhancing overall performance in these program areas. In addition, SSA provides cross-organizational support to DOE efforts to resolve Defense Nuclear Facilities Safety Board-related technical and management issues necessary to ensure public health and safety.

Major FY 2005 Achievements

- **Design Basis Threat Site Assistance Visits** – In partnership with the National Nuclear Security Administration and Energy, Science, and Environment program and field locations; and Headquarters policy organizations, SSA successfully completed site assistance visits at 11 DOE field sites with the purpose of developing resource-efficient, sustainable protection strategies and assist in the development of realistic budget submissions to support timely implementation of the revised Design Basis Threat Policy.

**Other Defense Activities/
Security and Safety Performance Assurance/
Overview**

FY 2007 Congressional Budget

- **Streamlining DOE Safeguards and Security Directives** – SSA has combined 27 safeguards and security directives and several hundred guidance memoranda into an umbrella Order, 6 subject matter manuals, and a reference manual. The documents have been presented to the Deputy Secretary for review and approval. Streamlining this information will make it easier for users of the information to better understand as well as to find a specific safeguard or security topics of interest; and will assure that any changes are consistently coordinated with other policies.

Annual Performance Results and Targets^a

FY 2002 Results	FY 2003 Results	FY 2004 Results	FY 2005 Results	FY 2006 Targets	FY 2007 Targets
Security and Safety Performance Assurance / Nuclear Safeguards and Security / Operational Support					
NA	NA	NA	NA	Reduce the average time it takes to process access authorization requests after receipt of the background investigation by 10% (3.2 business hours) over the FY 2004 processing time of 32 business hours. (Efficiency Measure)	Reduce the average time it takes to process access authorization requests after receipt of the background investigation by 11% (3.5 business hours) over the FY 2004 processing time of 32 business hours. (Efficiency Measure)
Security and Safety Performance Assurance / Nuclear Safeguards and Security / Technology 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)
Security and Safety Performance Assurance / Program Direction					
NA	NA	NA	NA	Complete non traditional, lower resource impact oversight activities at 10% (2) additional lower priority DOE sites than conducted in FY 2004 (13), while retaining the critical comprehensive inspections and appraisals at high priority DOE sites. (Efficiency Measure)	NA

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

Means and Strategies

SSA will achieve its mission by issuing clear, concise security policies, providing cutting-edge technology-based security solutions, providing world-class training programs for security and safety professionals, and applying rigorous independent oversight to departmental operations.

The SSA vision is to provide a sound foundation for protecting the Nation's nuclear and energy assets through advanced technology deployment and professional development. This vision captures the SSA role within the Department's overall security (including nuclear safeguards and security, cyber security, and information security) and safety (including emergency management, and environment, safety, and health) programs. It also emphasizes the two areas that are necessary for the Department to achieve its mission in the most efficient and effective manner, i.e., increased use of technology and effective management and development of human capital.

In order to achieve its vision and perform its goals, it is necessary for SSA to maintain a highly qualified workforce with the expertise and skills necessary to support, manage, and conduct security and independent oversight operations now and in the foreseeable future. The SSA workforce is, and must be, 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 marketing skills and supported by innovative resource management experts.

SSA requires the technical support of national-level experts to perform all its security, safety, 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 following external factor could affect SSA's ability to achieve its strategic goal, revisions to the Design Basis Threat Policy. Revisions to the Design Basis Threat Policy based on changing geopolitical conditions have the greatest potential for affecting SSA's mission, priorities, and stated performance targets. Type and number of training courses developed and conducted, type and numbers of technologies deployed, and scope of independent oversight appraisals performed are all dependent and reliant upon current Design Basis Threat Policy timelines and depth of coverage.

SSA 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. SSA also interfaces with organizations external to DOE to enhance the security posture of the United States as well as other foreign states that maintain inventories of nuclear material. SSA maintains strong relationships with the following DOE organizations:

- Office of the Chief Information Officer (CIO)
- Office of Environment, Safety and Health (EH)
- Office of Intelligence (IN)
- Office of Counterintelligence (CN)
- National Nuclear Security Administration (NNSA)
- Office of Energy, Science, and Environment (ESE)
- DOE Inspector General (IG)

**Other Defense Activities/
Security and Safety Performance Assurance/
Overview**

FY 2007 Congressional Budget

- DOE Office of Congressional and Intergovernmental Affairs (CI)
- Office of General Council (GC)

SSA 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)
- Department of Homeland Security (DHS)
- Federal Bureau of Investigation (FBI)
- National Security Council (NSC)
- Office of Personnel Management (OPM)

Validation and Verification

To validate and verify program performance, SSA 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.

Significant Policy or Program Shifts

- **Civil Penalties for Classified Information Security Violations Implementation:** The Secretary of Energy directed SSA to be responsible for implementing Section 234B to the Atomic Energy Act of 1954 as specified in the final rule in 10 Code of Federal Regulations Part 824. The rule implements the requirements for issuing civil penalties for any person who enters into a contract or subcontract with the Department and who violates any applicable rule, regulation, or Order issued by the Secretary of Energy relating to the safeguarding or security of Restricted Data or other classified or “sensitive information.” Currently security directives are being reviewed to identify and insert appropriate language to account for this activity. SSA is also in the process of developing the means and strategies for full implementation using the current Price Anderson Enforcement program as a model.
- **Increased Emphasis on Technology Deployment:** The deployment of security technologies is a key strategy to avoid significant manpower increases that would otherwise be required to conform to the Department’s updated Design Basis Threat Policy. Towards that end, funding will be directed for the purchase and installation of systems determined to have a positive impact on security effectiveness as determined through the Design Basis Threat Site Assistance Visit analysis process. The chosen technologies to be procured will be coordinated with the National Nuclear Security Administration and other DOE program offices to ensure that security and safety requirements are being addressed, that training and systems effectiveness procedures are in place, and that promulgation of lessons learned throughout the complex is accomplished.

**Other Defense Activities/
Security and Safety Performance Assurance/
Overview**

FY 2007 Congressional Budget

Facilities Maintenance and Repair

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

Indirect-Funded Maintenance and Repair

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
New Brunswick Laboratory	425	425	425
Total Indirect-Funded Maintenance and Repair	425	425	425

Direct-Funded Maintenance and Repair

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
New Brunswick Laboratory	0	0	601
Total Direct-Funded Maintenance and Repair	0	0	601

**Other Defense Activities
Security and Safety Performance Assurance (SSA)**

Funding by Site by Program

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Argonne National Laboratory			
Nuclear Safeguards and Security.....	1,000	750	500
Chicago Operations Office			
Security Investigations	1,655	2,169	1,925
Hanford Site			
Nuclear Safeguards and Security.....	89	89	0
Idaho National Laboratory			
Nuclear Safeguards and Security.....	1,712	6,390	1,618
Idaho Operations Office			
Security Investigations	1,084	1,216	1,177
Kansas City Site Office			
Nuclear Safeguards and Security.....	215	15	15
Lawrence Livermore National Laboratory			
Nuclear Safeguards and Security.....	2,042	1,899	1,471
Los Alamos National Laboratory			
Nuclear Safeguards and Security.....	3,482	3,344	527
National Training Center			
Nuclear Safeguards and Security.....	11,175	14,033	14,756
Security Investigations	1,200	1,491	2,312
Total, National Training Center	12,375	15,524	17,068
Nevada Site Office			
Nuclear Safeguards and Security.....	1,413	1,563	470
New Brunswick Laboratory			
Nuclear Safeguards and Security.....	946	885	1,480
Security Investigations	5,591	5,878	6,113
Total, New Brunswick Laboratory	6,537	6,763	7,593
NNSA Service Center			
Nuclear Safeguards and Security.....	0	0	0
Security Investigations	26,794	27,713	21,177
Program Direction.....	61	61	61
Total, NNSA Service Center	26,855	27,774	21,238

**Other Defense Activities/
Security and Safety Performance Assurance/
Funding By Site**

FY 2007 Congressional Budget

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Oak Ridge Institute for Science & Education			
Nuclear Safeguards and Security.....	650	491	887
Oak Ridge National Laboratory			
Nuclear Safeguards and Security.....	0	382	1,064
Oak Ridge Operations Office			
Nuclear Safeguards and Security.....	220	220	290
Security Investigations	2,988	3,265	3,434
Total, Oak Ridge Operations Office.....	3,208	3,485	3,724
Office of Scientific and Technical Information			
Nuclear Safeguards and Security.....	490	240	300
Office of Secure Transportation			
Program Direction.....	250	250	250
Pacific Northwest National Laboratory			
Nuclear Safeguards and Security.....	3,714	3,175	6,509
Program Direction.....	250	250	250
Total, Pacific Northwest National Laboratory	3,964	3,425	6,759
Pantex Plant			
Nuclear Safeguards and Security.....	25	9	0
Pittsburgh Naval Reactors			
Security Investigations	460	441	395
Richland Operations Office			
Security Investigations	742	398	1,001
Sandia National Laboratories			
Nuclear Safeguards and Security.....	9,964	8,883	8,941
Savannah River Operations Office			
Nuclear Safeguards and Security.....	4,402	3,962	4,675
Security Investigations	3,879	2,977	2,307
Total, Savannah River Operations Office.....	8,281	6,939	6,982
Savannah River Site			
Nuclear Safeguards and Security.....	2,450	2,426	1,911
Schenectady Naval Reactors			
Security Investigations	22	32	44

**Other Defense Activities/
Security and Safety Performance Assurance/
Funding By Site**

FY 2007 Congressional Budget

	(dollars in thousands)		
	FY 2005	FY 2006	FY 2007
Washington Headquarters			
Nuclear Safeguards and Security.....	148,805	136,051	137,034
Security Investigations	5,737	6,556	6,228
Program Direction.....	76,083	66,318	69,275
Total, Washington Headquarters.....	230,625	208,925	212,537
Y-12 National Security Complex			
Nuclear Safeguards and Security.....	1,000	202	100
Total, Other Defense Activities.....	320,590	304,024	298,497

Major Changes or Shifts by Site

Security Investigations: The reinvestigation workload is projected to be 43 percent lower in FY 2007 as compared to FY 2006. This is due to the backlog of cases at the Federal Bureau of Investigation (FBI) and the Office of Personnel Management (OPM), the two agencies that perform the investigations for DOE, as a result of the terrorist attack on the United States in 2001. Reinvestigation workloads are expected to return to nominal levels in FY 2008. The following locations are effected by this workload reduction: Idaho Operations Center, NNSA Service Center, Oak Ridge Operations Center, Pittsburgh Naval Reactors, Richland Operations Center, Savannah River Operations Office, Schenectady Naval Reactors, and Washington Headquarters.

Site Description

Argonne National Laboratory (ANL)

Nuclear Safeguards and Security: ANL supports tasks associated with the Foreign Ownership, Control, or Influence (FOCI) program by providing DOE a computer-based system (e-FOCI) that facilitates a thorough DOE investigation of foreign ownership, control, or influence on contracts and subcontracts involving access to classified information of special nuclear materials.

Chicago Operations Office

Security Investigations: Funding provides for background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors.

Hanford Site (Hanford)

Nuclear Safeguards and Security: Hanford provides field expertise, technical support for the review, update, and consolidation of security orders, policies, and field guidance.

Idaho National Laboratory (INL)

Nuclear Safeguards and Security: INL provides onsite participation and field assistance for facilities'

**Other Defense Activities/
Security and Safety Performance Assurance/
Funding By Site**

FY 2007 Congressional Budget

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.

Idaho Operations Office

Security Investigations: Funding provides for background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors.

Kansas City Site Office

Nuclear Safeguards and Security: Funding provides for specialized technical expertise for the production of specialty electronic security devices such as the Secure Safe product, which is used as a technological awareness tool to notify users when their security containers are unlocked or in an open state.

Specialized technical expertise and support is provided to the Classification, Declassification, and Controlled Information Program in the development of classification guidance covering the following areas: weapons, material production, material disposition, technology, chemical/biological weapons, and intelligence.

Lawrence Livermore National Laboratory (LLNL)

Nuclear Safeguards and Security: 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 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, novel 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)

Nuclear Safeguards and Security: LANL provides onsite participation and field assistance for facilities' 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.

**Other Defense Activities/
Security and Safety Performance Assurance/
Funding By Site**

FY 2007 Congressional Budget

National Training Center (NTC)

Nuclear Safeguards and Security: The NTC is located in Albuquerque, NM, and is the lead resource within DOE in the development of standardized, state-of-the-art safety and security training programs and for integrating comprehensive and professionally executed training, education, and vocational services. The NTC provides training and education services and support to the Department through the Safeguards and Security Central Training Academy; Foreign Interaction Training Academy; Counterintelligence Training Academy; and Accelerated Access Authorization Program Test Center.

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.

Security Investigations: The NTC receives funding for maintaining two Accelerated Access Authorization Program (AAAP) DOE Test Centers that are located in Albuquerque, NM, and Oak Ridge, TN. The AAAP expedites the placement of urgently required personnel through processing a "Q" interim access authorization prior to completion of the standard background investigation.

Program Direction: Funding supports salaries and benefits, travel, training, and contractual services in support of the Federal personnel.

Nevada Site Office

Nuclear Safeguards and Security: Activities conducted at the Remote Sensing Laboratory and the Special Technologies Laboratory focus on deployment of advanced physical security technologies to assist protective force personnel threat response capabilities. Activities are focused on developing systems that provide a real-time status and effectiveness of security forces; technology transfer of a friend/foe identification system; and a capability to monitor radio communications around facilities.

New Brunswick Laboratory (NBL)

Nuclear Safeguards and Security: NBL, located in Argonne, IL, is the U.S. Government's certifying authority for nuclear reference materials. NBL's technical capabilities enhance domestic nuclear security and support international nonproliferation efforts.

Program Direction: Funding supports salaries and benefits, travel, training, and contractual services in support of the Federal personnel.

NNSA Service Center

Security Investigations: Funding provides for background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors.

Program Direction: Funding provides for the maintenance, storage, and delivery of the Multiple
**Other Defense Activities/
Security and Safety Performance Assurance/
Funding By Site**

FY 2007 Congressional Budget

Integrated Laser Engagement Systems (MILES) equipment used by SSA to simulate weapons fire during force-on-force tactical field exercises in support of Independent Oversight assessment activities.

Oak Ridge Institute for Science & Education (ORISE)

Nuclear Safeguards and Security: 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 vital security awareness information, media, and tools.

Oak Ridge National Laboratory (ORNL)

Nuclear Safeguards and Security: ORNL technology development focuses on material control technologies with an emphasis on vault monitoring systems, seals, and tamper indicating devices to alert protective forces to the unauthorized access or removal of nuclear materials.

Oak Ridge Operations Office (OR)

Nuclear Safeguards and Security: 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 Environment, Safety, and Health civil suits, as well as in support of the large-scale declassification program; and by providing 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 novel methods of uranium enrichment.

Security Investigations: Funding provides for background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors.

The Accelerated Access Authorization Program (AAAP) test center located in Oak Ridge, TN, is funded through the National Training Center, Albuquerque, NM, through a Washington D.C. (Headquarters) contract. The AAAP expedites the placement of urgently required personnel through processing a “Q” interim access authorization prior to completion of the standard background investigation.

Office of Scientific and Technical Information (OSTI)

Nuclear Safeguards and Security: Efforts are 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 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.

**Other Defense Activities/
Security and Safety Performance Assurance/
Funding By Site**

FY 2007 Congressional Budget

Office of Secure Transportation (OST)

Program Direction: OST, located on Kirtland Air Force Base in Albuquerque, NM, 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.

Pacific Northwest National Laboratory (PNNL)

Nuclear Safeguards and Security: PNNL provides technical expertise, assistance, and awareness in support of information security, which includes programs in technical surveillance countermeasures, operations security, and classified matter protection and control. Activities include providing technical expertise in support of security policy activities and the review of local security program implementation programs and the development of recommendations for resolving security issues across DOE. Technical assistance is provided to support 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, operational, and support to the Foreign Access Central Tracking System.

Technical and administrative support is provided to PNNL to facilitate deployment of selected security technologies into operational facilities. In addition, specialized technical support is provided to the Classification, Declassification, and Controlled Information Program in the development of classification guidance covering the following areas: weapons, material production, material disposition, technology, chemical and biological weapons, critical infrastructure, and intelligence.

Program Direction: PNNL develops processes and protocols used in support of Independent Oversight implementation, planning, and analysis of appraisal results and trends. PNNL also provides technical support for the conduct of Independent Oversight special studies and reviews.

Pantex Plant

Nuclear Safeguards and Security: Technical expertise and support is provided to the Classification, Declassification, and Controlled Information Program in the development of classification guidance covering the following areas: nuclear weapons production and military use, stockpile stewardship, and specific nuclear weapon system guidance.

Pittsburgh Naval Reactors

Security Investigations: Funding provides for background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees.

Richland Operations Office

Security Investigations: Funding provides for background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors.

**Other Defense Activities/
Security and Safety Performance Assurance/
Funding By Site**

FY 2007 Congressional Budget

Sandia National Laboratories (SNL)

Nuclear Safeguards and Security: SNL focuses on development 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 is provided for assessment of site vulnerability 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 weapon stabilization platform for an armored response vehicle. SNL also provides updates to the Adversary Timeline Analysis Software to more accurately and realistically model DOE security systems and analyze them for vulnerabilities and develops simulation tools to allow a single analyst to determine the probability of neutralizing adversaries, at significantly reduced cost.

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

Nuclear Safeguards and Security: The Savannah River Operations Office 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.

Security Investigations: Funding provides for background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors.

Savannah River Site (SRS)

Nuclear Safeguards and Security: SRS supports nuclear material control and accountability through the development, enhancement, deployment, and operation of the Local Area Nuclear Material Accountability Software 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.

Schenectady Naval Reactors

Security Investigations: Funding provides for background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees.

Washington Headquarters

Nuclear Safeguards and Security: The Headquarters program has responsibility for management and **Other Defense Activities/
Security and Safety Performance Assurance/
Funding By Site**

FY 2007 Congressional Budget

implementation of the:

- Headquarters Security Protective Force;
- Headquarters Technical Surveillance Countermeasures program;
- DOE Safeguards and Security Information Management System database;
- Maintenance and upgrade of alarm systems, access control systems, related computer equipment; and protective force equipment;
- DOE Continuity of Government programs;
- Classification and declassification of nuclear weapons-related technology data;
- Management of the Nuclear Materials Management and Safeguards System, as a co-sponsor with the U.S. Nuclear Regulatory Commission; and,
- Management of the DOE Foreign Travel Management System.

Security Investigations: Funding provides for background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Federal employees and contractors.

Headquarters also funds the development and maintenance of Department-wide access authorization security databases and their subsequent integration via the electronic Government DOE Integrated Security System+ (eDISS+). The eDISS+ initiative consists of a set of interrelated databases, associated client applications, and web pages that provide a mechanism to automate the processing and tracking of access authorization requests Department-wide. The eDISS+ system also allows electronic communications between DOE offices and the transmission of investigative requests directly from DOE offices to OPM.

Program Direction: The SSA Federal personnel serve as the operational element for activities that include: Department-wide security policy; the security training mission at the National Training Center in Albuquerque, NM; Department-wide control and accountability of plutonium, uranium, and special materials at the New Brunswick Laboratory in Argonne, IL; classification and declassification operations; accountability for foreign national visits and assignments and official foreign travel; executive protection; Headquarters security operations; the DOE Continuity of Government programs; and the Independent Oversight program. SSA also provides administrative support to the Office of the Departmental Representative to the Defense Nuclear Facilities Safety Board. Program direction provides funding for the Federal staff to include salaries, benefits, travel, training, Working Capital Fund, and other personnel-related expenses.

Additionally, funding provides contractor support which provides a practical and cost-effective method of providing short-term technical expertise in specific safety and security disciplines for supporting the SSA mission, including security; cyber security; emergency management; and environment, safety, and health.

Y-12 National Security Complex (Y-12)

Nuclear Safeguards and Security: The Y-12 technology deployment program provides physical security

**Other Defense Activities/
Security and Safety Performance Assurance/
Funding By Site**

FY 2007 Congressional Budget

technologies focusing on protective force survivability and chemical defense measures. The Y-12 complex also serves as a test bed to evaluate security technology prototypes developed through the SSA Technology Development and Deployment Program.

Y-12 also 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.

Security and Safety Performance Assurance

Funding Profile by Subprogram

(dollars in thousands)

	FY 2005 Current Appropriation	FY 2006 Original Appropriation	FY 2006 Adjustments ^a	FY 2006 Current Appropriation	FY 2007 Request
Security and Safety Performance Assurance					
Nuclear Safeguards and Security	193,794 ^b	186,878	-1,869	185,009	182,548
Security Investigations	44,561	46,725	-467	46,258	40,000
Program Direction	82,235 ^c	73,492	-735	72,757	75,949
Total, Other Defense Activities	320,590 ^d	307,095	-3,071	304,024	298,497

Public Law Authorizations:

P.L. 83-703, "Atomic Energy Act of 1954"

P.L. 95-242, "Nuclear Non-Proliferation Act of 1978"

P.L. 103.62, "Government Performance Results Act of 1993"

H.R. 4200, P.L. 108-375, Sec. 3103, "Ronald W. Reagan National Defense Authorization Act for FY 2005"

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

Mission

SSA provides for the development, promulgation, and evaluation of security programs, and the independent oversight of security; cyber security; emergency management; and environment, safety, and health programs throughout the Department; and provides security-related services to DOE Headquarters. SSA also provides administrative support to the Office of the Departmental Representative to the Defense Nuclear Facilities Safety Board.

Benefits

DOE must implement effective security programs in an increasingly challenging threat environment. The primary focus of SSA is on effectively and efficiently implementing protection programs that fully respond to the evolving Design Basis Threat Policy by addressing programmatic and technical uncertainties and establishing cooperation and useful dialog between managers and security professionals at all levels. Towards this end, and in support of the unprecedented security initiatives announced by the Secretary in May 2004, SSA is: 1) streamlining existing security policies to remove

^a Reflects a 1% rescission in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006.

^b FY 2005 includes \$10,029,000 used to support the activities of the DOE Emergency Operations Centers. Funding was transferred to the National Nuclear Safety Administration in FY 2006.

^c FY 2005 includes \$4,579,000 used to support the activities of the DOE Emergency Operations Centers. Funding was transferred to the National Nuclear Safety Administration in FY 2006.

^d FY 2005 includes \$14,608,000 used to support the activities of the DOE Emergency Operations Centers. Funding was transferred to the National Nuclear Safety Administration in FY 2006.

Other Defense Activities/

Security and Safety Performance Assurance

FY 2007 Congressional Budget

ambiguity in roles, responsibilities, and requirements; eliminate conflicts; and incorporate recent updates; 2) emphasizing the deployment of innovative security technology to transition from manpower intensive to engineered systems that provide greater security at reduced lifecycle costs; 3) advancing the professional development of DOE security and safety personnel to ensure that their training is responsive to the needs of the DOE community; 4) increasing the capabilities and responsiveness of the protective force; and 5) improving the defensive posture of DOE.

SSA also identifies and reports to senior DOE managers on site-specific and Department-wide issues regarding security, cyber security, emergency management, environment, safety, and health, classification and declassification programs, and other programs using an efficient, systematic independent oversight process that emphasizes performance and performance testing; conducts follow-up activities to determine the effectiveness of corrective actions; and promotes line management self-assessment activities, thereby enhancing overall performance in these program areas. In addition, SSA provides cross-organizational support to DOE efforts to resolve Defense Nuclear Facilities Safety Board-related technical and management issues necessary to ensure public health and safety.

Nuclear Safeguards and Security

Funding Schedule by Activity

(dollars in thousands)

	FY 2005	FY 2006 ^a	FY 2007
Nuclear Safeguards and Security			
Operational Support	162,001 ^b	152,507	153,730
Technology Development and Systems Deployment.....	14,519	14,374	15,640
Classification, Declassification, and Controlled Information Program	17,274	13,178	13,178
Project Engineering and Design (Idaho)	0	4,950	0
Total, Nuclear Safeguards and Security	193,794^b	185,009	182,548

Description

The mission of the Nuclear Safeguards and Security subprogram is to 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 and controlled information program. In addition, this subprogram provides for specialized security support related to security issues and incidents tracking; nuclear materials accountability; foreign visits, assignments, and travel; and foreign ownership and control 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, and providing for the Department’s Continuity of Government facilities.

The Program Goals of SSA 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. NSS performs the following functions in support of the overall mission of SSA.

Benefits

Safeguard 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 safety and security 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, and 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

^a Reflects a reduction of \$1,869,000 for the 1% rescission in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006.

^b FY 2005 funding includes \$10,029,000 used to support the activities of the DOE Emergency Operations Centers. Program was transferred to the National Nuclear Safety Administration in FY 2006.

**Other Defense Activities/
Security and Safety Performance Assurance/
Nuclear Safeguards and Security**

FY 2007 Congressional Budget

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, assignments, and travel programs is provided enabling DOE and other U.S. Government Departments and 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 adversaries from acquiring information regarding weapons of mass destruction or other data that has the potential of damaging the Nation’s energy infrastructure by developing policies and guidance to identify critical information warranting protection.

This subprogram 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. This subprogram also maintains the facilities and equipment the Department requires to continue operations in the event of a catastrophic event rendering the Washington, D.C., offices inoperable.

Detailed Justification

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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Operational Support..... 162,001 152,507 153,730

The mission of the Operational Support activity is to provide technical and analytical expertise that enhances the Department’s security mission effectiveness through policy development, comprehensive standardized training, professional development programs, specialized security support, and operational support to DOE Headquarters. In addition, this activity provides for the development of safety-related training and professional development programs.

■ **Security Activities..... 94,934 97,714 96,787**

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..... 11,175 14,033 14,756**

Funding is provided to develop and maintain the proficiency and competency of DOE safety and security personnel through standardized training, education, and professional development services; and for conducting workforce analyses and career development programs required for the protection

**Other Defense Activities/
Security and Safety Performance Assurance/
Nuclear Safeguards and Security**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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of the environment, safety and health of the public, departmental workforce, and critical assets and national security. The National Training Center (NTC), located in Albuquerque, NM, is the designated Center of Excellence for security and safety training and the primary resource for performing these functions.

Course curriculum development and presentation of training represent the largest portion of the funding base. The funding is used to support the NTC safety 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, funds are used to support specialized courses in personnel security, information security, safe handling of nuclear materials, 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 security distance-learning program. NTC also deploys safety and security training teams to DOE field sites to maximize cost savings while maintaining the integrity of training.

Funding provides for continued analyses of an integrated security systems training platform to address deficiencies in training methodologies for security and safety professionals. The analysis of an advanced DOE training facility concept provides DOE with options for developing realistic training in a hands-on simulated environment that assimilates multiple aspects of an integrated security system.

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. The Professional Development Programs provide a comprehensive set of training courses to support the Department's professional development requirements and addresses the Secretarial Security Initiatives.

In addition to course development, funding is used for the operation and maintenance of the NTC facilities. NTC facilities are spread across four distinct areas permitted to DOE by both 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 systems and ammunition. Operation and maintenance funding also provides for utility and telecommunications services for Federal and contractor personnel and management of support programs necessary to provide for a safe and environmentally sound operation that conforms with the requirements of the Occupational Safety and Health Administration, the Environmental Protection Agency, and state and local laws and regulations. Specific projects identified for FY 2007 include upgrades to the Live Fire Range to address safety and environmental issues.

■ **Nuclear Materials Accountability** 7,998 7,472 8,416

The mission of this activity is to provide information necessary to inventory and track nuclear

**Other Defense Activities/
Security and Safety Performance Assurance/
Nuclear Safeguards and Security**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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material, primarily within the United States, for the purposes of satisfying statutory requirements and international obligations and treaties; developing and/or providing protection of the material both for safety and security purposes; and managing sensitive nuclear materials. These programs and projects support nuclear materials consolidation, nuclear nonproliferation, emergency response, and material disposition planning efforts. The mission is also supported by development and maintenance of calibration equipment, materials, and methodologies by a central Federal authority to assure reliable and accurate safeguards measurements of nuclear materials. This activity also provides expertise to sites requiring field support and in the enhancement of nuclear material control and accountability (MC&A) policy, and research and development needs.

The primary resource for performing nuclear material measurement activities is the New Brunswick Laboratory (NBL), located in Argonne, IL. Funding provides for NBL to purchase base materials used for preparing certified reference materials and calibration standards; to purchase, operate, and maintain instruments and equipment used for certification and other safeguards measurements; and for the development of methods and performance criteria for nondestructive assay measurement of nuclear material. NBL provides certified reference materials to users, and maintains accurate standards and comprehensive procedures to ensure that consistent results are obtained from various destructive and nondestructive analysis techniques, thereby ensuring that DOE's nuclear materials accounts are based on defensible measured values. Funding also provides for the cost of facility maintenance and upgrades related to activity operations and for radioactive waste management incurred for handling, storage, and processing waste to meet DOE, Federal, State, and local environmental regulations.

Global nuclear materials accountability activities provide for the maintenance and operation of the Nuclear Materials Management and Safeguards System (NMMSS). NMMSS is an electronic 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 State Department, 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 U.S. Government 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 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 vulnerable 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* (formerly DOE O 470 and DOE M 474.1-1A and -1B).

**Other Defense Activities/
Security and Safety Performance Assurance/
Nuclear Safeguards and Security**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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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 an SSA-developed 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 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.

The primary tool for inventorying radioactive sealed source materials throughout the Department is the Radiological Source Registry and Tracking (RSRT) database. RSRT provides the Department with an inventory tool to meet international guidance for registering and inventorying high-risk sealed sources and assists in the determination of potential radiological sabotage targets. The database is updated annually through a Department-wide data call. Information in the RSRT can be used to monitor the location and use of sealed sources; detect and act on discrepancies in inventory, assist in vulnerability studies and emergency response activities, and provide greater security and management for high-risk radioactive sealed sources. The NRC is in the process of developing rules for the control and accountability of sealed sources, as prescribed in the Energy Policy Act of 2005. RSRT is the current mechanism that will be used by DOE to report to the NRC when the final rules are promulgated.

■ **Specialized Security Support** **13,646** **11,103** **8,448**

Specialized security support activities provide technical and field expertise support to the Federal staff to develop and evaluate 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, assignments, and travel programs; and conduct vulnerability assessments in support of the implementation of the Design Basis Threat Policy.

Funding provides subject matter and technical expertise in a wide variety of security disciplines to assist in the development of security requirements and performance measures related to security program planning and management (e.g., Site Safeguards and Security Plans and self assessment programs and surveys); information security; physical protection systems; protective force operations; personnel security; nuclear material control and accountability; and Design Basis Threat Policy implementation and related vulnerability assessments. Personnel security support provides technical expertise in support of the Human Reliability Program; a program designed to ensure that individuals who occupy positions with access to special nuclear materials, nuclear explosive devices,

**Other Defense Activities/
Security and Safety Performance Assurance/
Nuclear Safeguards and Security**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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facilities, and programs meet the highest standards of reliability and physical and mental suitability. Funding provides for the development of training materials for program enrollees, medical staff, certifying officials, and supervisors; and for research on medical, legal, and safety topics in support of guidance development and amendment of requirements. 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. Support is also provided to analyze the effects of new and emerging threats and security technologies, and evaluate evolving information security, nuclear material control and accountability, physical security, and protective force issues. Funding also provides for the conduct and management of DOE-wide quality panels consisting of subject matter experts from field locations that provide critical feedback for keeping security policies current and effective.

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

Information used throughout the DOE security complex regarding security issues related to policy implementation is maintained in the Safeguards and Security Information Management System, a centralized 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 issues 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 offices for more than 2,000 cleared DOE facilities, classified mailing addresses for over 500 facilities authorized to receive classified matter, and classified contracts and surveys. Funding supports operational and basic maintenance of the database and upgrades to the secure communication hardware. Information regarding incidents involving unauthorized disclosures and compromises of classified information is maintained in the Incident Tracking and Analysis Capability database. 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 incident tracking and analysis terminals at field locations.

The electronic foreign ownership, control, or influence (e-FOCI) database system supports the FOCI program designed to determine whether potential or existing contractors of the Department are owned, controlled, or influenced by a foreign entity and, as a result, the potential for undue risk to

**Other Defense Activities/
Security and Safety Performance Assurance/
Nuclear Safeguards and Security**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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national security. This electronic-Government initiative system reduces the time necessary for analysis of information prior to award of contracts and enhances field elements' ability to tailor solutions for classified contracts necessary for local operational needs and missions. Funding supports the operation and maintenance of the e-FOCI database; continued development of automated data entry and reporting functions, including the maintenance of a web site for private industry to submit information for determinations and approvals; and the development of a deviation tracking and analysis capability and a system to track classified information that has been approved for sharing with international partners.

The Foreign Visits, Assignments and Travel (FVAT) Program implements programs to manage the security aspects of DOE interactions with foreign nationals visiting or assigned to DOE sites and DOE-sponsored official foreign travel. The FVAT 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, and on the official travel outside the United States for DOE Federal and contractor employees. Funding supports the operation and upgrade of the Foreign Access Central Tracking and Foreign Travel Management database systems. Funding also provides for the performance of annual assessments and updating of unclassified foreign visits and assignments, classified visits, and official foreign travel policies; 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.

The specialized security support activity 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 location level. This program provides security input through the various phases of critical design review and line item construction projects and provides technical support to the Departmental elements regarding design, construction, and review of sensitive compartmented information facilities. The activity provides for consistent application of the Design Basis Threat Policy implementation throughout the Department and consistency in curriculum development for vulnerability assessment training required for computer based assessment tools.

Funding supports the implementation of the revised 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 participation and field assistance is provided for the development and review of Site Safeguard and Security Plans at the Department's most critical facilities. Onsite support and field assistance also provides for independent, technical experts to ensure comprehensive, equitable, cost-effective security protection program evaluations and testing. This program supports Joint Tactical Simulation/Joint Conflict and Tactical Simulation modeling, force-on-force exercise expert adversary teams, facility security system and program characterization, threat clarification and identification, physical security system reviews, and security surveys.

Funding levels in FY 2005 and FY 2006 include \$1.3 million for management of Cyber Forensics

**Other Defense Activities/
Security and Safety Performance Assurance/
Nuclear Safeguards and Security**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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activities; however, management responsibility for this activity was transferred to the Office of the Chief Information Officer in FY 2005.

- **Headquarters Security** **34,248** **22,186** **25,324**

This activity is comprised of 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; and management of the DOE Continuity of Government facilities.

- **Protective Force and Operations** **24,050** **22,017** **25,155**

Funding provides for a security protective force of over 200 contract personnel engaged in the physical protection of DOE Headquarters classified information and facilities in the National Capital Area. Protection and physical access control is provided 24 hours a day, 365 days a year at the Forrestal and Germantown Buildings, and satellite facilities located in Washington, D.C., and Germantown, Maryland, respectively.

Headquarters operations consist of the Technical Surveillance Countermeasures Program and Security Alarms and Access Control System. The Technical Surveillance Countermeasures Program provides detection and denial of hostile intelligence collection operations bent on penetrating Headquarters' sensitive installations to steal technology or sensitive or classified information through 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. Funding provides for the acquisition, maintenance, and upgrade of unique countermeasures equipment. The Security Alarms and Access Control System 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 technologies. Funding supports various maintenance/upgrade contracts to ensure that the system operates in compliance with DOE security policy and operational requirements.

Funding also provides for the development and distribution of security awareness materials (e.g., brochures, posters, and books) used at Headquarters for initial, comprehensive, and annual security briefings.

- **Continuity of Government** **169** **169** **169**

This activity provides for uninterrupted facility support to permit sustained national-level operations and departmental programmatic responsibilities during emergency situations. Funding provides for operational support to facilitate departmental leadership/activities during an emergency event, including facility/office space, communications and infrastructure support.

- **DOE Emergency Operation Centers** **10,029** **0** **0**

Management responsibility for this activity was transferred to the National Nuclear Security Administration in FY 2004. However, funding remained with SSA through FY 2005.

**Other Defense Activities/
Security and Safety Performance Assurance/
Nuclear Safeguards and Security**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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Technology Development and Systems Deployment..... 14,519 14,374 15,640

The Technology Development and Systems Deployment activity provides technology-based solutions to known security vulnerabilities throughout the DOE complex. This activity provides technology-based systems 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 assets. Funding provides for modifying existing technologies, development of new technologies, and deploying technologies to meet security requirements.

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 and accountability, 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 conducted by SSA in fiscal year 2005. 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 an elite response force through advanced weaponry, distributed situational awareness, all-weather target acquisition optics, non-pyrotechnic breaching kits, and improved survivability for response force fighting positions, vehicles and command centers; and 3) denial and neutralization capabilities at the target to include robotic weapons, incapacitating technologies, or combinations thereof.

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 is a multifaceted initiative with 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 rooms.

Included within this overall activity is funding for activities associated with the successful 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 technology solutions.

Classification, Declassification, and Controlled

Information 17,274 13,178 13,178

The Classification, Declassification, and Controlled Information activity ensures the Department meets

**Other Defense Activities/
Security and Safety Performance Assurance/
Nuclear Safeguards and Security**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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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 contained in Executive Order 12958 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.

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 for the conduct of appraisals of DOE and other agencies' operations to ensure that nuclear weapons-related classification and information control programs are adequate and effective; and for the development and conduct of training for DOE and other agency personnel in classification and information control programs and related areas.

This activity also funds the Guidance Streamlining Initiative, a program to improve the classification/control guidance system by: 1) making guidance more accurate, clear, and accessible to guide writers and classifiers throughout the complex, and 2) maintaining the electronic Classification Guidance System, which contains all current and archived classification and control guidance used by many classifiers and classification officers throughout the Department. Both of these programs contribute to the President's Management Agenda electronic Government goals through increased use of new technologies to create advanced tools and resources.

The classification, declassification, and controlled information review activity provides for the review of documents scheduled for declassification, requested under statute or Executive Order, and in response to litigation or other requests, to ensure that classified and controlled information is identified and protected from unauthorized release to the public. These reviews are performed under the requirements of the Atomic Energy Act, Executive Order 12958, and Public Law 105-261 to prevent proliferation of weapons of mass destruction by ensuring that no classified or controlled information is inadvertently released. Funding also provides for development of automation technologies to improve the speed, accuracy, and cost of document reviews and to fully implement an online, electronic declassification system with improved process management, responsiveness, accuracy, and product quality, and reduced administrative costs in line with the President's electronic Government goals.

Project Engineering and Design (Idaho)..... 0 4,950 0

FY 2006 funding initiated a new construction project to upgrade buildings CPP-651 and CPP-691 at the Idaho National Laboratory for consolidation of the Department's special nuclear material. SSA requests no funding for this activity in FY 2007.

Total, Nuclear Safeguards and Security 193,794 185,009 182,548

**Other Defense Activities/
Security and Safety Performance Assurance/
Nuclear Safeguards and Security**

FY 2007 Congressional Budget

Explanation of Funding Changes

FY 2007 vs. FY 2006 (\$000)

Operational Support

■ **Security Activities**

Decrease is a result of efficiency of operations within the Security support activity.. -927

■ **Security and Safety Training**

Funding increase provides for the continued development and deployment of the Safety Career Development Program to include Safety Systems Oversight, Senior Technical Safety Manager’s, and Safety Professional Development Program courses in support of Presidential and Departmental human capital strategies and Secretarial Security Initiatives. +723

■ **Nuclear Materials Accountability**

Funding increase provides for infrastructure improvement at the New Brunswick Laboratory and upgrades to the Nuclear Materials Management and Safeguards System, Local Area Nuclear Material Accountability Software, and funding transfer from DOE’s Office of Environmental Management for the Radioactive Source Registry Tracking database..... +944

■ **Specialized Security Support**

Funding decrease is due to a shifting of funds from this subactivity to the Headquarters Security and Technology Development and Systems Deployment subactivities; and the transferring of the Cyber Forensics Laboratory from SSA to the Office of the Chief Information Officer. Management responsibility for this activity was transferred in FY 2005..... -2,655

■ **Headquarters Security**

- **Protective Force and Operations**
 Increase provides for salary increases as required by the Protective Force contract and the shifting of funds from the Specialized Security Support activity for the development and distribution of security awareness materials (e.g., brochures, posters, and books) used at Headquarters for initial, comprehensive, and annual security briefings. +3,138

Total, Operational Support..... +1,223

Technology Development and Systems Deployment

Increase is due to the shifting of funds from the Specialized Security Support activity in order to combine similar activities..... +1,266

Project Engineering and Design (Idaho)

FY 2006 funding initiated a new construction project to upgrade buildings CPP-651 and CPP-691 at the Idaho National Laboratory for consolidation of the Department’s special nuclear material. SSA requests no funding for this activity in FY 2007..... -4,950

Total Funding Change, Nuclear Safeguards and Security -2,461

Other Defense Activities/

Security and Safety Performance Assurance/

Nuclear Safeguards and Security

FY 2007 Congressional Budget

Security Investigations

Funding Schedule by Activity

(dollars in thousands)

	FY 2005	FY 2006 ^a	FY 2007
Security Investigations			
Federal Bureau of Investigation (FBI)	1,865	2,214	978
Office of Personnel Management (OPM).....	38,160	39,217	33,374
Related Security Investigations Activities.....	4,536	4,827	5,648
Total, Security Investigations	44,561	46,258	40,000

Case Projections

(number of cases)

	FY 2005	FY 2006	FY 2007	Case Change	% Change
Federal Bureau of Investigation (FBI)					
Initial Background Investigations	100	48	48	0	-0.0%
Reinvestigations.....	539	708	273	-435	-61.4%
Total, FBI Investigations	639	756	321	-435	-57.5%
Office of Personnel Management (OPM)					
Initial Background Investigations	5,736	5,818	5,863	+45	+0.8%
Reinvestigations.....	9,103	8,880	5,630	-3,250	-36.6%
National Agency Checks.....	4,455	5,400	4,543	-857	-15.9%
Total, OPM Investigations.....	19,294	20,098	16,036	-4,062	-20.2%
Total, Case Projections	19,933	20,854	16,357	-4,497	-21.6%

Description

The Security Investigations subprogram manages funding for security background investigations associated with providing access authorization 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 subprogram also manages the Accelerated Access Authorization Program, used to provide interim “Q” access authorizations; and manages and operates security access authorization information systems and associated information control systems used to manage access authorizations throughout DOE.

^a Reflects a reduction of \$467,000 for the 1% rescission 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/
Security and Safety Performance Assurance/
Security Investigations**

FY 2007 Congressional Budget

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

Benefits

This subprogram provides for the centralized management of access control authorizations (clearances) that allow employees and contractors access to sensitive information, facilities, and material entrusted to DOE thus ensuring national security. Background investigations are performed in accordance with DOE Order 470.4, Safeguards and Security Program, August 26, 2005, which replaced DOE Order 472.1C *Personnel Security Activities*, March 25, 2003, by either the Federal Bureau of Investigation or the Office of Personnel Management, as required by law or Departmental regulations. The Accelerated Access Authorization Program provides a method for granting qualifying new DOE employees and contractors interim “Q” access authorizations within 21 days while the 150 to 300-day background investigation is completed. This allows new hires to begin productive work while affording additional assurances that the national security is being safeguarded. 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 (e-DISS+). These electronic tools support and track the adjudication process from the beginning to the disposition of the access authorization request.

Program Funding Distribution Table

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Estimated Program Distribution					
National Nuclear Security Administration.....	26,681	27,676	21,174	-6,502	-23.5%
Defense Environmental Management.....	6,684	5,627	5,476	-151	-2.7%
Science.....	2,693	3,219	3,194	-25	-0.8%
Security.....	7,419	8,520	8,979	+459	+5.4%
Nuclear Energy.....	1,084	1,216	1,177	-39	-3.2%
Total, Security Investigations.....	44,561	46,258	40,000	-6,258	-13.5%

Detailed Justification

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Federal Bureau of Investigation (FBI).....	1,865	2,214	978

The FBI conducts background investigations for DOE Federal and contractor personnel for positions of high degree of importance or sensitivity dictated by the National Defense Authorization Act and DOE Order 470.4, *Safeguards and Security Program*. Funding provides for 48 initial background

**Other Defense Activities/
Security and Safety Performance Assurance/
Security Investigations**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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investigations, 273 periodic reinvestigations, and reimbursement for fingerprint and name checks.

Office of Personnel Management (OPM).....	38,160	39,217	33,374
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OPM conducts the majority of background investigations for DOE Federal personnel and contractors. Funding provides for 5,863 initial Single Scope Background Investigations and 5,630 periodic reinvestigations. Funding provides for 4,543 initial and reinvestigation National Agency Checks.

Related Security Investigations Activities.....	4,536	4,827	5,648
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■ Access Authorization Information Management	3,336	3,336	3,336
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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 is data intensive and 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 (e-DISS+), 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. An automated Applicant User Interface allows applicants to complete and submit their Questionnaire for National Security Positions (Standard Form-86) over a secure web-based system. The Personnel Security Interface facilitates the collection of SF-86 data for review and allows DOE security personnel to receive, process, review, and submit the information to OPM. This process 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. The e-DISS+ also includes the Central Personnel Clearance Index database that maintains access authorization data 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. The e-DISS+ 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, as well as modest upgrades in the functionality of these systems, and for the maintenance of system user information.

■ Accelerated Access Authorization Program (AAAP) ..	1,200	1,491	2,312
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The Accelerated Access Authorization Program (AAAP) provides a mechanism for granting qualified new DOE (and Department of the Navy, via a Memorandum of Understanding) employees and contractors interim “Q” access authorizations while the required Single Scope Background Investigations are completed. This program allows new hires to begin productive work within 21 days rather than waiting the 150 to 300 days for the Single Scope Background Investigations to be completed while affording assurance that national security is safeguarded. AAAP applicants voluntarily undergo a series of tests, including a drug screen, a psychological assessment, and a polygraph examination, in addition to a review of the applicants SF-86 and a National Agency Check with Credit. The AAAP does not replace the Single Scope Background Investigations; investigations continue even after the interim access authorization is granted. Funding provides for operating costs, maintaining the information derived from the tests, and maintaining and operating

**Other Defense Activities/
Security and Safety Performance Assurance/
Security Investigations**

FY 2007 Congressional Budget

(dollars in thousands)

the facilities in Albuquerque, NM, and Oak Ridge, TN, where the testing is conducted.

	FY 2005	FY 2006	FY 2007
Total, Security Investigations	44,561	46,258	40,000

Explanation of Funding Changes

FY 2007 vs. FY 2006 (\$000)

Federal Bureau of Investigation (FBI)

Funding level reflects a projected decrease of initial background cases to be investigated by FBI based on an analysis of information provided by field locations and historical data regarding the number and type of positions to be filled in FY 2007 requiring access authorizations. Funding level also reflects the projected decrease of 5-year cycle reinvestigations due to the FBI’s backlog of cases resulting from the terrorist attacks on the United States in FY 2001..... -1,236

Office of Personnel Management (OPM)

Funding level reflects a projected decrease of initial background cases to be investigated by OPM based on an analysis of information provided by field locations and historical data regarding the number and type of positions to be filled in FY 2007 requiring access authorizations. Funding level also reflects a projected decrease of 5-year cycle reinvestigations due to OPM’s backlog of cases resulting from the terrorist attacks on the United States in FY 2001..... -5,843

Related Security Investigations Activities

- **Accelerated Access Authorization Program (AAAP)**
Funding level reflects the projected increase use of the AAAP by DOE programs based on current trends regarding the number of positions to be filled in FY 2007 that require access authorizations. +821

Total Funding Change, Security Investigations **-6,258**

Other Defense Activities/
Security and Safety Performance Assurance/
Security Investigations

FY 2007 Congressional Budget

Program Direction

Funding Profile by Category

(dollars in thousands/whole FTEs)

	FY 2005	FY 2006	FY 2007
New Brunswick Laboratory			
Salaries and Benefits	3,821	4,108	4,305
Travel	71	71	73
Support Services.....	143	0	0
Other Related Expenses	1,556	1,699	1,735
Total, New Brunswick Laboratory	5,591	5,878	6,113
Full Time Equivalents	40	40	40
NNSA Service Center			
Support Services	311	311	311
Total, NNSA Service Center	311	311	311
Full Time Equivalents	0	0	0
Pacific Northwest National Laboratory			
Support Services	250	250	250
Total, Pacific Northwest National Laboratory.....	250	250	250
Full Time Equivalents	0	0	0
Headquarters			
Salaries and Benefits	42,073 ^a	35,481	37,372
Travel	2,496	2,362	2,615
Support Services.....	18,041	18,110	18,050
Other Related Expenses	13,473	10,365 ^c	11,238
Total, Headquarters	76,083^a	66,318^c	69,275
Full Time Equivalents	325 ^b	273	268

^a FY 2005 includes \$4,579,000 used to support the activities of the DOE Emergency Operations Centers and the Threat Assessment function. These activities were transferred to the National Nuclear Safety Administration in FY 2006.

^b FY 2005 includes 27 FTE used to support the activities of the DOE Emergency Operations Centers and the Threat Assessment function. These activities were transferred to the National Nuclear Safety Administration in FY 2006.

^c Reflects reduction of \$735,000 for the 1% rescission 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/
Security and Safety Performance Assurance/
Program Direction**

FY 2007 Congressional Budget

(dollars in thousands/whole FTEs)

	FY 2005	FY 2006	FY 2007
Total, Program Direction			
Salaries and Benefits.....	45,894 ^a	39,589	41,677
Travel.....	2,567	2,433	2,688
Support Services.....	18,745	18,671	18,611
Other Related Expenses.....	15,029	12,064 ^c	12,973
Total, Program Direction	82,235 ^a	72,757 ^c	75,949
Total, Full Time Equivalents.....	365 ^b	313	308

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 Security and Safety Performance Assurance (SSA). This subprogram also provides for the administrative support to the Office of the Departmental Representative to the Defense Nuclear Facilities Safety Board.

As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. SSA performs critical functions which directly support the mission of the Department. These functions include:

- developing and promulgating clear and consistent security strategies and policies governing the protection of national security and other critical assets entrusted to the Department;
- developing and providing standardized, comprehensive security, and safety training throughout the Department;
- managing the Department's protective force for DOE facilities in the National Capital Area, including DOE's Continuity of Government facilities and plans;
- providing executive protective services for the Department;
- managing the development and deployment of security technologies;
- developing and implementing Department-wide nuclear and radiological materials tracking and accounting programs;
- assisting other governmental and departmental organizations in the mission of accounting for and assuring the security of nuclear material throughout the world;
- managing the Department's security investigations budget and personnel security programs associated with providing access authorizations to DOE Federal and contract personnel;

^a FY 2005 includes \$4,579,000 used to support the activities of the DOE Emergency Operations Centers and the Threat Assessment function. Funding will be transferred to the National Nuclear Safety Administration in FY 2006.

^b FY 2005 includes 27 FTE used to support the activities of the DOE Emergency Operations Centers and the Threat Assessment function. These activities were transferred to the National Nuclear Safety Administration in FY 2006.

^c Reflects reduction of \$735,000 for the 1% rescission 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/

Security and Safety Performance Assurance/
Program Direction

FY 2007 Congressional Budget

- 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 vital to national security;
- assisting Departmental and other U.S. Governmental organizations in providing adequate protection to national security assets;
- providing specialized security support services to the Department associated with the development and dissemination of security awareness information; maintenance of various security-related data base systems; management of the foreign ownership, control, or influence and foreign visits, assignments, and travel programs; and conduct of vulnerability assessments in support of the implementation of the Design Basis Threat Policy;
- conducting 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; and,
- providing support for centralized leadership in resolving Defense Nuclear Facilities Safety Board issues.

Detailed Justification

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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Salaries and Benefits	45,894	39,589	41,677
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Salaries and benefits for FY 2007 provide for 308 Federal full-time equivalents (FTEs) with the technical expertise needed to carry out the essential SSA mission. The Federal staffing level is derived from the combined staffing from the New Brunswick Laboratory (NBL) (40), Office of the Departmental Representative to the Defense Nuclear Facilities Safety Board (5), and the remainder of SSA (263). Based on a workforce analysis and skills evaluation performed by SSA, it was determined that there will be a reduction of 25 FTEs in FY 2006. This reduction is also due to streamlining the efficiency of operations following the formation of SSA in December 2003, the significant program and organizational restructuring and realignments completed in April 2004, and a transfer of 1 FTE to the Office of the Chief Information Officer associated with the Cyber Forensics Laboratory. In FY 2007, 4 FTEs will be transferred to the National Nuclear Security Administration for the North Atlantic Treaty Organization and Continuity of Operations activities. Salaries and benefit estimates are based on the economic assumptions provided by the Office of Management and Budget. 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.

Federal employees (40 FTEs) are also located at NBL in Argonne, IL. NBL serves as the central authority for nuclear material safeguards measurements and measurement evaluations and is the U.S. Government’s certifying authority for nuclear reference materials. NBL provides certified reference materials and maintains accurate standards and comprehensive procedures to ensure DOE’s nuclear materials accounts are based on defensible measured values; reducing costs associated with investigating discrepancies and supporting treaty compliance. NBL personnel support DOE and other U.S. Government Agencies and Departments in global nonproliferation efforts by participating in the

**Other Defense Activities/
Security and Safety Performance Assurance/
Program Direction**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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development and implementation of international nuclear material accountability methods and programs; and assisting in verification of nuclear material nonproliferation program activities. An A-76 Competitive Sourcing study of NBL was initiated in FY 2005. The results of the study will be announced in March 2006.

Federal personnel at Headquarters (268 FTEs) perform the independent oversight mission, support the Defense Nuclear Facilities Safety Board liaison functions, and serve as the operational element for security policy, technology deployment, executive protection, and Headquarters security. Activities include the security training mission at the National Training Center in Albuquerque, NM; plutonium, uranium, and special material control and accountability; classification and declassification operations; tracking of foreign national visits, assignments and travel; Headquarters security operations; executive protection operations; security investigations; Department-wide security policy, to include the development and issuance of security directives for the Department; and DOE Continuity of Government programs. Staff members also serve on interagency working groups and task forces in the development of U.S. Government-wide security policy in the form of Executive Orders, National Security and Homeland Security Presidential Decisions, Directives, and other policy issuances.

Travel..... 2,567 2,433 2,688

Travel includes all costs of transportation, subsistence, and incidental travel expenses incurred by SSA Federal employees in accordance with Federal Travel Regulations. SSA domestic and foreign trips are necessary to conduct essential security activities. These activities include national security assistance, and interface with field offices, laboratories, and local, state, and foreign governments. Additionally, extensive travel is required for SSA personnel to perform executive protection activities for the Secretary, and other dignitaries as assigned, and to accomplish the independent oversight mission, conducting evaluations across the DOE complex.

Support Services 18,745 18,671 18,611

SSA has analyzed its use of support services and has established specific criteria for its efficient use. While SSA has some unique national-level experts, technical contractual services continue to be more practical and cost-effective. The evolving need for national-level 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 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.

■ **Security Activities 6,012 5,530 4,365**

Security support services utilize highly specialized technical and analytical expertise and management support personnel essential to its mission success. 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 other critical assets entrusted to the Department.

**Other Defense Activities/
Security and Safety Performance Assurance/
Program Direction**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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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, assignments and travel, security policy, and classification / declassification; 2) security investigations; and 3) program-specific staffing resources to support the protection of Headquarters assets.

■ **Independent Oversight Activities** **12,116** **12,575** **13,596**

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 critical functions of interest to the Department 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 security and safety program oversight and self-assessments, as required by integrated 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, SSA continues to be actively involved in the development of Department-level directives that establish overarching principles for oversight and 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 contracted national-level experts to complement the Federal staff, to implement the appraisal process, which emphasizes performance testing. Appraisal personnel 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, the results of those assessments, and opportunities for improvement or findings. Unclassified appraisal reports and classified appraisal report titles are maintained on the SSA web site in order to share the information throughout the Department. Classified reports are maintained in a document control

**Other Defense Activities/
Security and Safety Performance Assurance/
Program Direction**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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center and are available to authorized 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 SSA 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**..... **5,849** **6,033** **6,625**

Security appraisals are conducted at DOE (primarily, National Nuclear Security Administration) sites that have significant amounts of special nuclear material, classified information, 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.

SSA’s current safeguard 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. SSA continues to review implemented procedures and processes for controlling accountable controlled 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. SSA will conduct more frequent evaluations and testing of sites with significant holdings of special nuclear materials, nuclear weapons, and sensitive information facilities. SSA 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, SSA 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.

**Other Defense Activities/
Security and Safety Performance Assurance/
Program Direction**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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- **Cyber Security Appraisals** **967** **1,242** **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 essential management processes that are critical to 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.

SSA’s current cyber security independent oversight activities have been shaped by focus 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. SSA 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. SSA 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 SSA cyber security inspections. In May 2004, the Secretary announced a series of initiatives to improve DOE security including one initiative focused on SSA 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, SSA 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** **800** **800** **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

**Other Defense Activities/
Security and Safety Performance Assurance/
Program Direction**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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response, emergency public information, and offsite interfaces by conducting limited scope performance tests and evaluating full-participation exercises at the inspected sites. Additionally, reviews of crosscutting emergency management topics of increased concern in the heightened terrorist threat environment are performed. Appraisal results have significantly contributed to improvements in emergency management readiness and response at individual sites, within program and field offices, and across the DOE complex.

Independent oversight of departmental emergency management program activities has been expanding to include a broader spectrum of reviews in consideration of the post 9/11 threat environment and the implications of the revised Design Basis Threat Policy. At the site implementation level, new emergency management reviews will be conducted jointly with security force-on-force evaluations to test integrated incident command in response to malevolent acts, including response to the release of hazardous materials. Joint reviews of site environment, safety, and health programs will also be conducted to ensure they effectively support emergency response. Cross-cutting special reviews will be expanded to evaluate capabilities required to meet the new directives for the National Response Plan and the National Incident Management System. New reviews will be conducted to assess the Department's national response assets capabilities in support of potential or actual radiological materials releases. In partnership with line program management, lessons learned site visits will be conducted to share knowledge of effective program implementation practices, and to share independent oversight feedback to the Emergency Operations Training Academy to foster corporate-wide improvement.

- **Environment, Safety and Health Appraisals** **4,000** **4,000** **4,000**

Environment, safety, and health (ES&H) evaluations focus on Integrated Safety Management implementation; ES&H performance; and relevant ES&H topics such as radiation protection, criticality safety, industrial hygiene, and occupational medicine. Integrated Safety Management reviews focus on management systems such as self-assessments, lessons learned, deficiency tracking, root cause analysis, and reporting of compliance deficiencies and events. Periodic independent oversight is also performed of ES&H performance during all phases of major projects, such as construction, recovery, and stabilization of hazardous materials, decommissioning, and environmental restoration. Environmental portions of inspections provide independent evaluations of a wide variety of environmental protection and restoration activities, including the effectiveness of environmental programs in accordance with Executive Orders. Reviews are conducted of selected areas of current interest (i.e., focus areas), such as compliance with the implementation of environmental management systems, corrective action management, and safety system oversight. Also, reviews are conducted of selected essential systems to ensure that they can perform their safety functions. As a result, these evaluations provide a significant benefit to the Department by improving safety and promoting adherence to applicable Federal and State regulations and DOE and industry standards in such areas as safety and health, radiation protection, waste management, and fire protection.

ES&H evaluations have evolved over the past several years to focus on persistent

**Other Defense Activities/
Security and Safety Performance Assurance/
Program Direction**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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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. SSA currently performs 6 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 2 to 3 years. Lower hazard facilities will be evaluated as resources permit or 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, SSA 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** **500** **500** **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), e.g., 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 / 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 has resulted in substantial improvements to programs throughout DOE.

- **Defense Nuclear Facilities Safety Board Liaison Activities** **617** **566** **650**

Defense Nuclear Facilities Safety Board (DNFSB) liaison activities are reported directly to the Deputy Secretary via the Office of the Departmental Representative to the Defense Nuclear Facilities Safety Board (DR), with administrative support provided by SSA. DR performs critical functions that directly support the mission of the Department, including providing leadership in resolving DNFSB-related technical and management issues necessary to ensure public health and safety. This activity facilitates the Department’s compliance with Congressional mandates for the

**Other Defense Activities/
Security and Safety Performance Assurance/
Program Direction**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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Department: 1) to respond to DNFSB safety recommendations and resolve agreed-upon safety issues; 2) to provide requested reports on nuclear safety issues; 3) to fully cooperate with the DNFSB; and 4) to provide ready access to such facilities, personnel, and information as the DNFSB considers necessary to carry out its 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.

This activity also provides program guidance for Department-wide implementation of the Department's Facility Representative Program. This program includes approximately 200 DOE Facility Representatives who provide operational oversight at hazardous facilities at over 250 sites. Activities include participating in site reviews, updating program guidance and requirements, reporting on performance, and hosting an annual workshop.

This activity prepares the statutorily required Annual Report to Congress on DNFSB activities. The report includes statutory notification of any implementation plans requiring more than 1 year to complete. DR prepares transmittal packages for all draft DOE rules, directives, and standards that fall within the DNFSB statutory authority for review and approval, and reviews DNFSB comments on DOE safety directives and resolves these comments with the responsible line managers so that final DOE rules, directives, and standards can be issued.

DR thoroughly reviews incoming DNFSB correspondence and outgoing DOE correspondence to identify safety and management issues that must be addressed by the Department. DR identifies and supports DOE line managers and technical experts in evaluating identified safety and management issues, determines corrective actions to resolve them, and provides direction and final review of the adequacy of corrective actions to resolve identified DNFSB safety and management issues.

DR maintains and improves the Department's SIMS database for DNFSB-related issues, commitments, and actions. This system currently contains over 500 active Department commitments and actions related to DNFSB recommendations, reporting requirements, and other correspondence. On behalf of the Secretary, DR identifies the existence of DOE commitments to the DNFSB for inclusion in this database and obtains descriptive status of commitments on a monthly basis. DR provides 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. The Safety Issues Management Systems database is password-protected and Internet-accessible from

**Other Defense Activities/
Security and Safety Performance Assurance/
Program Direction**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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throughout the Department. Funding also provides for the maintenance of and improvements to public web sites on DOE/DNFSB correspondence and safety issues. The main web site includes the Department's central repository of official DNFSB communications and makes this information available to the public and to Department and contractor personnel complex-wide. Annually, 250 to 350 pieces of DNFSB/DOE correspondence are received and made available Department-wide via the Internet. Over 4,000 documents are currently available on the web site in multiple file formats for user convenience. Documents are posted in 1 to 3 business days to facilitate prompt, effective responses and corrective action. The web site also provides DNFSB points-of-contact, DOE interface protocols and direction, and useful information about the DNFSB. Funding also provides for the Facility Representative web site with associated technical knowledge base and training aids.

Other Related Expenses 15,029 12,064 12,973

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

The Extended Common Integrated Technology Environment initiative gathers the common information technology services that were previously managed separately, and turns the management and oversight of these services into one large-scale effort. 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 SSA.

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

Total Program Direction 82,235 72,757 75,949

**Other Defense Activities/
Security and Safety Performance Assurance/
Program Direction**

FY 2007 Congressional Budget

Explanation of Funding Changes

FY 2007 vs. FY 2006 (\$000)

Salaries and Benefits

The increase for salaries and benefits is based on the latest OMB economic assumptions for Federal personnel costs. The increase is for promotions, living adjustments, locality pay, within-grade increases, lump sum payments, and awards..... +2,088

Travel

Federal travel requirements are projected to increase based on operational forecasts..... +255

Support Services

■ Security Activities

Support service requirements are projected to decrease based on efficiencies and streamlining of operations; and the transfer of the North Atlantic Treaty Organization and Continuity of Operations activities to the National Nuclear Safety Administration..... -1,165

■ Independent Oversight Activities

- Security Appraisals
 Funding increases are commensurate with the priorities associated with Secretary of Energy's Security Initiatives that call for developing an elite protective force through expanded performance testing and examining protective force enhancements and protection strategies..... +592

- Cyber Security Appraisals
 Funding increases are commensurate with the priorities associated with Secretary of Energy's Security Initiatives that call for expanding cyber security performance testing and examining cyber security enhancements. +429

Total, Independent Oversight Activities +1,021

■ Defense Nuclear Facilities Safety Board Liaison Activities

Funding requirements are increased due to escalation..... +84

Total, Support Services -60

Other Related Expenses

The increase reflects a revised estimate issued by the DOE Working Capital Fund Manager and increases for information technology support through the Office of the Chief Information Officer..... +909

Total Funding Change, Program Direction..... +3,192

Other Defense Activities/
 Security and Safety Performance Assurance/
 Program Direction

FY 2007 Congressional Budget

Support Services by Category

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Technical Support					
Security Activities	4,574	4,092	3,068	-1,024	-25.0%
Independent Oversight Activities	12,116	12,575	13,596	+1,021	+8.1%
Defense Nuclear Facilities Safety Board Liaison Activities	617	566	650	+84	+14.8%
Total, Technical Support	17,307	17,233	17,314	+81	+0.5%
Management Support					
Security	1,438	1,438	1,297	-141	-9.8%
Total Management Support	1,438	1,438	1,297	-141	-9.8%
Total, Support Services	18,745	18,671	18,611	-60	-0.3%

Other Related Expenses by Category

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Other Related Expenses					
Tuition/Training of Federal Staff	426	347	337	-10	-2.9%
Other Services Procured	7,971	6,341	6,894	+553	+8.7%
Working Capital Fund	6,632	5,376	5,742	+366	+6.8%
Total, Other Related Expenses	15,029	12,064	12,973	+909	+7.5%

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

Overview

Appropriation Summary by Program

(dollars in thousands)

	FY 2005 Current Appropriation	FY 2006 Original Appropriation	FY 2006 Adjustments ^a	FY 2006 Current Appropriation	FY 2007 Request
Other Defense Activities					
Environment, Safety & Health					
(defense).....	108,352	57,483	-575	56,908	60,738
Program Direction.....	20,251	19,546	-195	19,351	20,076
Subtotal, Other Defense Activities.....	128,603	77,029	-770	76,259	80,814
Use of Prior Year Balances.....	-15,000	0	0	0	0
Total, Other Defense Activities.....	113,603	77,029	-770	76,259	80,814
Energy Supply and Conservation					
Environment, Safety & Health					
(non-defense).....	7,936	7,100	-71	7,029	9,128
Program Direction.....	19,842	20,900	-209	20,691	19,993
Subtotal, Energy Supply and Conservation.....	27,778	28,000	-280	27,720	29,121
Use of Prior Year Balances.....	-285	0	0	0	0
Total, Energy Supply and Conservation	27,493	28,000	-280	27,720	29,121
Total, Other Defense Activities and Energy Supply and Conservation.....	141,096	105,029	-1,050	103,979	109,935

Preface

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

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

This overview will describe Strategic Context, Mission, and Benefits. These items together put this 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, this Overview will also address Significant Program Shifts.

^a Includes a 1% rescission in accordance with Public Law 109-148, FY 2006 Department of Defense Appropriation Act

Strategic Context

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

- Environment – 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 – Promotes the health and safety of DOE's workers and communities surrounding DOE sites; to develop comprehensive and effective safety and health policy for DOE workplace hazards, and to 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 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. Provide the necessary policy, guidance, and corporate direction. Provide the Mixed Analyte Performance Evaluation Program to ensure quality in environmental measurements in support of DOE cleanup activities. The Information Management programs 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.
- Nuclear Safety Research – Develops, prioritizes and approves an annual nuclear safety research plan that meets the needs of the DOE Energy, Science and Environment (ESE) Central Technical Authority (CTA) and the National Nuclear Security Administration (NNSA) CTA, and that takes into account information obtained through the Operating Experience Program; maintains adequate numbers of technically competent personnel necessary to fulfill nuclear safety research responsibilities; integrates existing nuclear safety research being performed both inside and outside

Other Defense Activities/

Environment, Safety and Health (defense)/

Overview

FY 2007 Congressional Budget

the DOE; and participates in and represents DOE at national and international nuclear safety research organizations and their activities.

Mission

The mission of the EH is to provide the corporate leadership, performance goals, assistance, policies, programs and feedback to enable the Department of Energy 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

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 environment, safety and health performance expectations: environment, safety and health 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 organizations, and performance feedback on environmental, safety, and health activities, to provide the safety infrastructure that allows for and promotes the safe and environmentally responsible conduct of work. The Department of Energy 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.

Annual Performance Results and Targets^a

FY 2002 Results	FY 2003 Results	FY 2004 Results	FY 2005 Results	FY 2006 Targets	FY 2007 Targets
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Environment, Safety and Health/Health

Former Worker Program participants who receive medical screening during FY 2007, will score a ratings of 85% or greater on a quality survey. A baseline will be established in FY 2006.

Deliver 200 scheduled medical exams in FY 2007 to participants in the Marshall Islands medical monitoring program. A baseline will be established in FY 2006.

Using FY 2004 year-end uncosted balances as the baseline, increase efficiency in the achievement of program goals and use of appropriated funds by reducing the level of uncosted balances in EH by 5% in FY 2007.

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

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 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 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.

Significant Policy or Program Shifts

Environment, Safety and Health significant policy and program shifts are as follows:

- On December 17, 2004, in response to Defense Nuclear Facilities Safety Board Recommendation 2004-1, former Deputy Secretary for Energy McSlarrow directed the following organizational changes for the Department to better focus departmental awareness and management of issues related to nuclear safety. To enhance the focus of environment, safety, and health in the Department, the Office of Environment, Safety and Health (EH) is now reporting directly to the Deputy Secretary of Energy. EH is the corporate environmental, safety and health (ES&H) officer and responsible for making ES&H policy and providing technical interpretations of it.
- In FY 2006, the Office of Environmental Management will transfer the management of High Efficiency Particulate Air (HEPA) filter testing service responsibilities to the Office of Environment, Safety and Health. Financial responsibility will transfer in FY 2007. This Quality Assurance function ensures HEPA filters used at DOE's nuclear facilities meet strict criteria to ensure public and worker safety and implements a Defense Nuclear Facilities Safety Board commitment to test 100 percent of all HEPA filters prior to use in defense nuclear facilities.
- The Office of Environment, Safety and Health needs to significantly strengthen the Department's Operating Experience Program to meet a formal commitment to the Defense Nuclear Facilities Safety Board. This is a critical aspect of the Department's safety management system for operations feedback and improvement.

- Federal functions at the Radiological and Environmental Sciences Laboratory will be studied for competition with the private sector.

Office of Environment, Safety and Health

Funding by Site by Program

	(dollars in thousands)		
	FY 2005	FY 2006	FY 2007
AdvancedMed - Hanford.....	110	109	109
Brookhaven National Laboratory.....	65	64	64
Chicago Operations Office.....	10,350	0	49
East Tennessee Technology Park (K25).....	20	20	20
Hanford Site.....	100	148	173
Idaho National Laboratory.....	95	94	94
Idaho Operations Office.....	4,805	3,784	2,826
Kansas City Plant.....	70	69	49
Lawrence Berkeley National Lab.....	540	535	297
Lawrence Livermore National Laboratory.....	3,120	3,336	3,361
Los Alamos National Laboratory.....	326	323	247
Nevada Site Office.....	3,030	3,000	3,000
NNSA Service Center.....	2,650	0	297
Oak Ridge Institute for Science and Education.....	1,770	1,752	1,901
Oak Ridge Nat'l Laboratory.....	460	455	406
Oak Ridge Operations Office.....	4,955	747	2,252
Ohio Field Office.....	370	69	118
Pacific Northwest National Laboratory.....	779	663	647
Pantex Site Office.....	90	89	89
Radiological and Environmental Sciences Laboratory.....	2,675	2,507	2,635
Richland Operations Office.....	1,700	297	817
Rocky Flats Field Office.....	770	0	99
Sandia National Laboratories.....	165	134	129
Savannah River Operations Office.....	3,370	69	222
Y-12 Site Office.....	30	30	40
Washington Headquarters.....	86,188	57,965	60,873
Total, Other Defense Activities.....	128,603	76,259	80,814

Major Changes or Shifts by Site

Washington Headquarters

Cooperative agreements for the Former Worker Program, as well as the international health studies, will no longer be implemented and maintained through the Chicago Operations Office but will be implemented and maintained through Washington Headquarters.

Site Description

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

Brookhaven National Laboratory

Brookhaven National Laboratory (BNL) is located in Upton, New York, on Long Island. As a non-defense research institution, BNL is dedicated to basic and applied investigation in a multitude of scientific disciplines. BNL also provides specialized subject matter technical expertise in conducting reviews of safety analysis and risk assessment documents such as 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 will be implemented and 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.

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

FY 2007 Congressional Budget

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.

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, 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 development of a web based reporting system in support of the Department of Energy's Consolidated Audit Program. This site conducts DOE-wide performance evaluation and accreditation programs, provides technical support and measurement quality assurance methodologies to strengthen programs. These programs provide for technically and legally defensible results of such measurements. 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.

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 collection of DOE health effects information through an electronic data base, the Comprehensive

Other Defense Activities/

Environment, Safety and Health (defense)/

Funding by Site

FY 2007 Congressional Budget

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.

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**

FY 2007 Congressional Budget

Oak Ridge Institute for Science and Education (ORISE)

The Oak Ridge Institute for Science and Education (ORISE) is a U.S. Department of Energy 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 site ensures that environmental analytical data is of high quality and reliability and assures that analytical data is technically defensible. The program conducts consolidated audits that also include DOE on-site laboratories to demonstrate a

Other Defense Activities/

Environment, Safety and Health (defense)/

Funding by Site

FY 2007 Congressional Budget

fair and equitable selection among laboratories selected for environmental analytical service contracts. 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

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

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

FY 2007 Congressional Budget

Radiological and Environmental Sciences Laboratory (RESL)

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.

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.

Rocky Flats Field Office

Rocky Flats is a former nuclear weapons facility located approximately 16 miles northwest of Denver, Colorado. 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. Site closure is anticipated in December 2005.

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 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;

Other Defense Activities/

Environment, Safety and Health (defense)/

Funding by Site

FY 2007 Congressional Budget

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.

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, nuclear safety research, 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 2005 Current Appropriation	FY 2006 Original Appropriation	FY 2006 Adjustments ^a	FY 2006 Current Appropriation	FY 2007 Request
Environment, Safety and Health (defense)					
Corporate Safety Programs.....	10,808	11,183	-112	11,071	15,663
Health.....	54,841	46,300	-463	45,837	40,620
Employee Compensation Program.....	42,703	0	0	0	4,455
Total, Environment Safety and Health (defense).....	108,352	57,483	-575	56,908	60,738

Public Law Authorizations:

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

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

^a Includes a 1% rescission in accordance with Public Law 109-148, FY 2006 Department of Defense Appropriation Act

and highest priority of all EH activities is daily excellence in the protection of workers, the public, and the environment.

Corporate Safety Programs

Funding Schedule by Activity

	(dollars in thousands)		
	FY 2005	FY 2006	FY 2007
Corporate Safety Programs			
Corporate Safety Programs.....	5,325	5,643	11,035
Radiological and Environmental Sciences Laboratory.....	4,174	4,132	2,450
Analytical Services Program.....	1,309	1,296	1,188
Nuclear Safety Research.....	0	0	990
Total, Corporate Safety Programs.....	10,808	11,071	15,663

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, Information Management, the Facility Safety Program, Price-Anderson Enforcement, the Analytical Services Program, and the new Nuclear Safety Research Program. In June 2005, the Secretary signed the Department’s Implementation Plan (Rev. 1) in response to DNFSB Recommendation 2004-1. DOE has committed to enhance the nuclear safety research function within the Department.

Benefits

These 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; and to assure continuous improvement in the protection of workers, communities, and the environment from the hazards associated with changing DOE missions and activities. The program also serves our national security mission by assuring the effective integration of safety and success of mission programs, including security of our energy infrastructure, research and development, stockpile stewardship, and accelerated cleanup of DOE’s excess sites and environmental contamination. Nuclear Safety Research will evaluate and prioritize nuclear safety research needs; allocate resources; manage research programs; assess the effectiveness of regulatory programs; develop technical basis for nuclear directives; maintain nuclear safety testing and analysis capabilities; integrate results in the areas of nuclear facility design and construction, safety analysis, safe nuclear operations, integrate existing nuclear safety research being performed both inside and outside the DOE; and development of technically sound safety directives.

Detailed Justification

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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Corporate Safety Programs.....	5,325	5,643	11,035
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Corporate Safety Programs includes funding for the ES&H Performance Assessment Program, the Quality Assurance Program, Information Management, the Radiological and Environmental Sciences Laboratory, Analytical Services Program, Nuclear Safety Research, the Facility Safety Program, and Price-Anderson Enforcement.

The Performance Assessment Program includes (1) Operating Experience, and (2) Performance Trending and Analysis. Trending and analysis of DOE’s performance in protecting the public, workers, and the environment is conducted by synthesizing operational information to support senior management decision-making, resource allocation, and continuous ES&H improvement across the DOE complex. This includes setting ES&H performance expectations and performance measurements for continuous improvement. Performance Trending and Analysis also develops and implements improved methods for using current databases and communicating information (e.g., data mining and display capabilities); uses state-of-the-art commercial experience to identify and use leading performance measures to leverage safety performance; and provides analysis of safety performance tailored to nuclear safety (i.e., Central Technical Authorities (CTAs) Chief of Nuclear Safety and Nuclear Safety Research) functions in FY 2007.

The Program implements a significantly enhanced and adequate Operating Experience activity DOE-wide. Operating Experience is crucial in the Department’s follow-up to internal and external accidents and events to ensure they do not recur. In FY 2007, EH will fully implement a functional Operating Experience program that meets Defense Nuclear Facilities Safety Board (DNFSB) 2004-1 commitments; significantly improves DOE/contractor awareness and resolution of operational safety issues that are generic or crosscut DOE; issue actionable information that will improve DOE and contractor worker safety and their day-to-day performance; and monitor and evaluate the effectiveness of contractor actions that use Operating Experience information. This program is also responsible for the DOE Suspect/Counterfeit Items identification and investigation process which also supports 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.

The Quality Assurance Program was established in FY 2003 to address corporate quality assurance issues identified by the General Accounting Office, Defense Nuclear Facilities Safety Board, and other quality assurance issues in the Department. The Office of Quality Assurance Programs provides DOE corporate leadership that includes quality assurance information, corporate policy and guidance, and certification to support DOE mission accomplishment across the DOE complex and manages the Central Registry to support effective configuration and control of safety-related Software Toolbox Codes. This program establishes requirements and policies to support existing activities such as High Efficiency Particulate Air (HEPA) filter testing, central registry for safety related computer software, and the DOE Self-Assessment Certification Program.

**Other Defense Activities/
Environment, Safety and Health (defense)/
Corporate Safety Programs**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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In FY 2006, the Office of Environmental Management will transfer the management of HEPA filter testing services responsibilities to the Office of Environment, Safety and Health. Financial responsibility will transfer in FY 2007. The Filter Test Facility (FTF) will improve the Department's quality assurance function to serve all Departmental programs. DOE has committed to conduct 100 percent independent testing of HEPA filters installed in safety systems (safety class and safety significant) and habitability systems. The Office of Environmental Management FTF operations resulted in an average of 2,600 filters tested annually from DOE nuclear facilities. The FTF operation is necessary because of the critical nature of the filter usage in DOE facilities in mitigating radioactive exposure to the public, workers and the environment. DOE-STD-3020-97, *Specifications for HEPA Filters Used by DOE Contractors*, requires that each filter be tested by both the manufacturer and FTF.

Information Management is a critical component of corporate safety programs. The program manages and directs defense-related information activities to maximize the sharing and efficient use of data and information to meet the requirements of Federal regulations and legislation as well as the President's Management Agenda (PMA) initiative "Expanded Electronic Government". This program provides both web pages and web-based database systems including access to the EH Corporate Reporting Systems (Occurrence Reporting and Processing System and the Computerized Accident and Illness Systems) as well as mission-specific systems. These systems will be re-engineered for efficiency by consolidating existing databases and utilizing the latest technological capabilities to distribute information, including health studies communications management capability and web-based health studies status. Further enhancement of the EH website with portal and workflow tools will enable EH to adhere to new OMB guidelines on Federal Website Administration and to support the newly-established Federal Health Line of Business.

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

Safety Basis Corporate Support provides technical support for effective implementation of safety regulations (e.g., 10 CFR 830) for facility design, construction, operation, and decommissioning. Activities includes support of Critical Decision for nuclear facilities under design or major modification; support to RW on design and safety review of Yucca Mountain geological repository project; review of safety bases for nuclear facilities in operation and decommissioning phases including high hazard facilities such as ATR and HFIR; support for review of accident analysis of Environmental Impact Statements; evaluation of Unreviewed Safety Questions, and publication of lessons learned reports; and other studies or reviews as requested.

EH conducts Type A investigations for the more serious incidents occurring within the DOE Complex, and reviews Type B investigation reports for investigations conducted by line program elements for less serious incidents. Inconsistencies observed in Type B investigations have highlighted the need for the office to conduct independent programmatic oversight during selected Type B Accident Investigations

**Other Defense Activities/
Environment, Safety and Health (defense)/
Corporate Safety Programs**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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and to conduct training courses for Type A and B Accident Investigation Boards and Chairpersons to qualify those personnel to perform investigations when needed.

Readiness Reviews are conducted at Category 1, 2, and 3 nuclear facilities prior to authorizing the startup or restart of those facilities. As the Office of Primary Interest for the Readiness Review process, EH and the DNFSB staff have identified inconsistencies and deficiencies in process implementation across the complex. Consequently, additional efforts will be focused on these areas before they result in a major site incident or become the basis for a new DNFSB Recommendation. Based on current line program projections, the office will participate as team members or in Independent Reviews during a number of ORRs/RAs, will sponsor ORR Team Member/Team Leader training sessions, and will provide technical support to line program management. The office will also draft revision "D" of DOE Order 425.1C and associated Standard 3006-2000.

The Office of Facility Authorization Bases serves as the Dam Safety Coordinator for DOE. Under the provisions of a Memorandum of Agreement between DOE and the Federal Energy Regulatory Commission (FERC), the FERC inspectors provide safety inspections of dams and other water impoundment structures owned by DOE across the DOE complex.

The EH Enforcement program carries out the statutory mandate of the Price-Anderson Amendments Act of 1988 to enforce compliance with the Code of Federal Regulations for nuclear safety requirements at DOE sites and enforcement of worker safety.

Corporate Safety Programs also includes funding for the Department of Energy Laboratory Accreditation Program and the Analytical Services Program (run by the Radiological and Environmental Sciences Laboratory) as follows:

Radiological and Environmental Sciences Lab.....	4,174	4,132	2,450
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The Radiological and Environmental Sciences Laboratory (RESL) is DOE's Federal reference laboratory that conducts performance evaluation and accreditation activities, provides technical support and measurement, and quality assurance methodologies to programs such as the DOE Laboratory Accreditation Program, and the Mixed Analyte Performance Evaluation Program. These programs act as insurance policies against potential radiation exposure or D&D litigation or future worker compensation programs. The responsibility to operate RESL was transferred from EM to EH in FY 2004.

Analytical Services Program.....	1,309	1,296	1,188
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The Analytical Services Program ensures that environmental analytical laboratory data is of high quality and reliability and assures that analytical data is technically and legally defensible. The program implements DOE's Consolidated Audit Program thereby reducing redundant field audits of commercial analytical laboratories and Treatment, Storage & Disposal Facilities, resulting in significant cost savings for the Government.

**Other Defense Activities/
Environment, Safety and Health (defense)/
Corporate Safety Programs**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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Nuclear Safety Research..... 0 0 990

On December 23, 2004, the Secretary signed the Department’s Implementation Plan in response to DNFSB Recommendation 2004-1. DOE has committed to enhance the nuclear safety research function within the Department.

The Secretary formally established that the Office of Environment, Safety and Health has primary responsibility for the nuclear safety research function. EH has been formally assigned the following roles and responsibilities: establish the Office of Nuclear Safety Research; initiate the necessary activities to develop, prioritize and approve an annual nuclear safety research plan that meets the needs of the DOE Central Technical Authorities; implement the annual nuclear safety research plan after approval by the Assistant Secretary; identify changes in DOE directives and standards based on nuclear safety results; maintain adequate numbers of technically competent personnel necessary to fulfill nuclear safety research responsibilities; participate in and represent DOE at national and international nuclear safety research organizations and their activities; and respond to DNFSB Recommendation 2004-1 on nuclear safety research management.

The Office of Nuclear Safety Research plans to implement the following functions and activities: describe the interfaces between the nuclear safety research program and other organizations (e.g., Program Secretarial Officers, sites, CTA(s)); determine required technical area staffing needs; establish the safety research assessment and prioritization criteria and guidance; initiate the process of identifying, prioritizing, and executing safety-related research and development; identify nuclear safety research needs; review and evaluate operating experiences and line oversight findings as potential sources of nuclear safety research needs; integrate existing nuclear safety research being performed both inside and outside the DOE; fund specific nuclear safety research projects/efforts; and prepare and issue an annual nuclear safety research report for approval by the Assistant Secretary for EH. During FY 2007, EH will also conduct a gap analysis on existing nuclear safety research activities throughout DOE, the Nuclear Regulatory Commission (NRC), and elsewhere to determine the appropriate size and focus for this nuclear research program.

The Office of Nuclear Safety Research will technically and programmatically lead each research project. This will include clearly defining the scope of each research project; developing schedules with intermediate milestones; and reviewing/verifying the research findings, including use of peer review where applicable.

Congressionally Directed Activities..... 0 0 0

Additional funding was also directed by Congress in FY 2006 for the DOE Worker Records Digitization Project in Nevada (\$4M) and Initiation of the Chernobyl Research and Service Project (\$5M). The Department has analyzed how best to satisfy these two activities consistent with EH’s FY 2006 Congressional Budget request and subsequent appropriation. As a result, EH is making use of prior year unobligated balances from the Corporate Safety Program (\$1M) to fund these activities.

Total, Corporate Safety Programs..... 10,808 11,071 15,663

**Other Defense Activities/
Environment, Safety and Health (defense)/
Corporate Safety Programs**

FY 2007 Congressional Budget

Explanation of Funding Changes

FY 2007 vs. FY 2006 (\$000)

Corporate Safety Programs

<ul style="list-style-type: none"> ■ Decrease in the Facility Safety Program to reflect anticipated fewer reviews..... ■ Decrease reflects readjusted activities in the Quality Assurance Programs..... ■ Implement new technology for operating experience data mining and analysis across the entire DOE complex. Focus on building DOE Field Office Safety performance assessment capabilities to adequate safety oversight of contractors..... ■ Transfer of HEPA Filter Test Facility from the Office of Environmental Management. ■ Increase in Operating Experience Program is to fully implement a functional OE program that meets DNFSB 2004-1 commitments; significantly improves DOE/contractor awareness and resolution of operational safety issues that are generic or crosscut DOE; issue actionable OE information that will improve safety of DOE/contractor workers and their day-to-day performance; and monitor and evaluate effectiveness of contractor actions that use OE information..... ■ Increase in Performance Trending & Analysis is to expand current safety performance trending, operations analyses, and identification of emerging issues to include DOE non-nuclear facilities..... 	-101 -253 +2,427 +600 +2,319 +400
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Radiological and Environmental Sciences Laboratory

Decrease reflects completion of an updated Condition Assessment Survey for the building and the completion of necessary facility upgrades to provide adequate and safe working conditions for the scientific staff.....	-1,682
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Analytical Services Program

Decrease reflects completion of initial development of Visual Sample Plan Software Tool development.....	-108
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Nuclear Safety Research

Funding will ensure focused management, integration, and execution of nuclear safety research and development in areas such as nuclear criticality safety, fire safety and risk assessment.....	+990
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Total Funding Change, Corporate Safety Programs.....	+4,592
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Other Defense Activities/
 Environment, Safety and Health (defense)/
 Corporate Safety Programs

FY 2007 Congressional Budget

Health Programs

Funding Schedule by Activity

	(dollars in thousands)		
	FY 2005	FY 2006	FY 2007
Health Programs			
Radiation Effects Research Foundation (RERF).....	14,000	13,848	13,848
Marshall Islands.....	6,000	6,000	6,000
Other Health Programs.....	34,841	25,989	20,772
Total, Health Programs.....	54,841	45,837	40,620

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 affects); 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.

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.

Detailed Justification

	(dollars in thousands)		
	FY 2005	FY 2006	FY 2007

Radiation Effects Research Foundation.....	14,000	13,848	13,848
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Under a binational agreement between the United States and Japan, the Radiation Effects Research Foundation (RERF) 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 A-bomb survivors continue to provide the scientific basis for standards setting bodies that establish national and international radiation protection policy. Based on the recently-published reassessment of doses received by the A-bomb survivors, revisions of epidemiologic data on cancer mortality and incidence in

**Other Defense Activities/
Environment, Safety and Health (defense)/
Health Programs**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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relation to radiation dose were completed in FY 2006. In FY 2007, new recommendations on radiological protection will be published by international standards organizations.

Marshall Islands..... 6,000 6,000 6,000

This request funds Public Laws 99-239 and 108-188, the Compact of Free Association between the U.S. and Republic of the Marshall Islands. The Health program also 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. In FY 2006 and FY 2007, the medical program will continue to provide annual examinations and cancer care, under the auspices of a new medical care provider, using a more cost effective approach; several major environmental missions to Bikini, Enewetak, and Rongelap Atolls will collect samples to assist atolls in resettlement decision-making. In FY 2007, there will be an advance contingent of resettled persons (around 150-200) at Rongelap Atoll and DOE’s program will provide whole-body counting and plutonium analyses for this population. Whole-body technologies will continue to be the centerpiece of the DOE’s environmental/radiological monitoring program at Majuro, Enewetak, & Rongelap.

Other Health Programs..... 34,841 25,989 20,772

Other Health Activities include the Former Worker Program, the Worker and Community Public Health Program, the Illness and Injury Surveillance program, International Health Studies program, and funding for the Radiation Emergency Accident Center/Training Site.

▪ **Occupational Health..... 12,500 13,056 12,363**

The Former Worker Program supports the Office of Health Studies’ mission and strategic response by offering specialized medical screening by external teams of health experts to former workers who may have been exposed to hazardous materials as a result of their work at DOE sites. Participants with significant findings are referred to their personal physicians for further attention, thus promoting early detection and intervention of occupational illnesses, and in some cases, submission of workers compensation claims under the Energy Employees Occupational Illness Compensation Program Act (EEOICPA). In FY 2006, the Former Workers Program continued an expansion of services initiated in FY 2005 to workers not already covered by the original medical screening projects through a combination of new regional projects and a new national supplemental care screening program. In FY 2007, DOE will have implemented program enhancements within this congressionally mandated program to ensure the best and most cost-effective service to the largest number of former workers. The Radiation Emergency Accident Center/Training Site (REAC/TS) maintains the capability to provide rapid response medical expertise and training to address radiological accidents. In FY 2006, REAC/TS reinstates the capability to conduct cytogenetic studies to be able to quickly and accurately determine an individual’s radiation dose in the event of a radiological or dirty bomb event. In FY 2007, it is expected that REAC/TS will be certified as a reference cytogenetic biodosimetry laboratory and organize, provide training and quality assurance for a national consortium of clinical laboratories that will be able to provide analyses in the event of a radiological/nuclear incident.

**Other Defense Activities/
Environment, Safety and Health (defense)/
Health Programs**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
---------	---------	---------

- **Public Health.....** **6,700** **6,621** **2,098**
 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 (NIOSH), the National Center for Environmental Health (NCEH), and the Agency for Toxic Substances and Disease Registry (ATSDR) through three interagency agreements. In FY 2006, NIOSH communicated results to workers concerning four studies at five DOE sites. Study results provide information that is designed to enhance the understanding of risks associated with radiation-induced health effects to over 800,000 workers. In FY 2006, NCEH concluded an historical environmental dose reconstruction at one of DOE’s major production sites that evaluated the risk to the public of past releases of radiation and chemicals in communities around DOE sites. Results of historical dose reconstructions are used to estimate exposure-related health risks. In FY 2006, ATSDR finalized seven out of eight public health assessments of the Oak Ridge Reservation. In FY 2007, NIOSH will complete a worker mortality study at Fernald, as well as a study that identifies and describes potential external and internal radiation exposures in plutonium workers at two DOE sites. NCEH will complete a record review of Los Alamos National Laboratory, the last major DOE production site, to determine if an environmental dose reconstruction is warranted; and ATSDR will publish final Public Health Assessments for the Savannah River Site and the Oak Ridge facilities.

- **Epidemiological Studies.....** **3,100** **3,057** **3,056**
 Epidemiologic Studies collect both health and exposure data to document and demonstrate effects of radiation and other hazards to current DOE workers and the public and to validate current Departmental protection policies. The Illness and Injury Surveillance Program (IISP) evaluates potential health impacts of DOE operations on workers by monitoring the health of current contractor workers at 14 participating DOE sites. In FY 2007, capabilities to more rapidly perform disease outbreak investigations will be enhanced for quicker identification of health concerns in need of immediate attention. The Comprehensive Epidemiologic Data Resource (CEDR) is an electronic data base which allows investigators access to data from studies funded by DOE. The U.S. Uranium and Transuranium Registries (USTUR) provides independent, continuous improvement in DOE’s ability to estimate internal doses attributable to intake of long-lived radioactive materials by studying the distribution and possible biological effects of plutonium and other heavy metals in voluntarily donated human tissues. In FY 2006, USTUR will use its data to refine dosimetry models to account for wounds and effects of chelation therapy. In FY 2007, criteria for standardization of bioassay and health physics databases will be developed for international use. The viability of stored USTUR tissue will be assessed for possible use in cellular/genetic studies.

- **International Health Studies.....** **3,300** **3,255** **3,255**
 The Russian Health Studies Program was developed to assess worker and public health risks from radiation exposure resulting from nuclear weapons production activities in the former Soviet Union. Presently, DOE supports radiation dose reconstruction studies, epidemiologic studies, molecular and radiobiological studies, a tissue repository, and data preservation and integration activities. In FY 2006, researchers will publish cancer risk estimates for Mayak workers and for the residents of

**Other Defense Activities/
 Environment, Safety and Health (defense)/
 Health Programs**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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surrounding communities, requested Food and Drug Administration approval for a radiation biomarker blood test and an *in vitro* diagnostic product, and published a method for computing individual (versus group) past radiation doses for members of communities surrounding Mayak. In FY 2007, researchers will have published new data on the radiation dose and cancer risk from inhaled plutonium.

Under a binational agreement the DOE and the Government of Spain jointly sponsor the Palomares Program. The goals of the program are to provide medical surveillance of exposed population and environmental monitoring of the area of plutonium contamination due to a USAF aircraft accident over Palomares, Spain, 1966. DOE and the National Cancer Institute jointly sponsor studies to determine adverse health effects from exposure to radiological contamination following the aftermath of the Chernobyl Accident in 1986. In FY 2006, the final planned data collection cycle for the thyroid and leukemia studies will be completed. In FY 2007, the analysis and several publications from the thyroid and leukemia studies will be completed.

- | | | | |
|---|--------------|----------|----------|
| ▪ Congressionally Directed Activities..... | 9,241 | 0 | 0 |
|---|--------------|----------|----------|

Funding for the following projects was directed by Congress in FY 2005 to include: DOE Worker Records Digitization Project in Nevada; medical monitoring at the Gaseous Diffusion Plants at Paducah, Kentucky, Portsmouth, Ohio, and Oak Ridge, Tennessee; Iowa Army Ammunition Plant assistance in collecting requisite medical records and completing claims for workers and retirees; beryllium screening and outreach program for workers employed at vendors in the Worchester, Massachusetts area who supplied beryllium to the Atomic Energy Commission; University of Washington’s Former Hanford Production Workers Medical Screening Program; and medical screening for current Hanford tank farm workers consistent with the July 2004 NIOSH Health Hazard Evaluation Report.

Funding for the following Health projects was directed by Congress in FY 2006 to include: Extend medical screening at the three Gaseous Diffusion Plants (\$0.5M); Initiate medical screening at the Mound Facility in Miamisburg, OH and the Fernald Facility in Harrison, OH (\$2.0M); Initiation of early lung cancer detection screening at the Y-12 and X-10 facilities in TN; and for DOE to prioritize funds for the National Center for Environmental Health at Los Alamos and research work at the Health Energy Related Branch at NIOSH (\$2.7M). Funding for these projects is contained within the previously discussed Health programs. Additional funding was also directed by Congress in FY 2006 for the DOE Worker Records Digitization Project in Nevada (\$4M) and Initiation of the Chernobyl Research and Service Project (\$5M). The Department has analyzed how best to satisfy these two activities consistent with EH’s FY 2006 Congressional Budget request and subsequent appropriation. As a result, EH is making use of prior year unobligated balances from the Health Program (\$6M) to fund these activities.

Total, Health.....	54,841	45,837	40,620
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**Other Defense Activities/
Environment, Safety and Health (defense)/
Health Programs**

FY 2007 Congressional Budget

Explanation of Funding Changes

FY 2007 vs. FY 2006 (\$000)

Other Health Programs

- The National Institute for Occupational Safety and Health (NIOSH), five prioritized studies targeted for completion will be delayed or aborted including the K-25 Multiple Myeloma Mortality Study and the Fernald Mortality Update. The National Center for Environmental Health, the Los Alamos Historical Document Retrieval Assessment project will experience delays. The Agency for Toxic Substances and Disease Registry, completion of the Oak Ridge Reservation and Savannah River Site public health assessments will be delayed and all health education activities related to DOE sites will be suspended (all planned public meetings and grand rounds at local hospitals to educate the public and local health care providers concerning the public health assessments PHAs' evaluations will be suspended, all health education materials regarding potential health risks to the DOE community will not be provided to the Oak Ridge community, and Oak Ridge Health Effects Subcommittee meetings, which provide information on potential health risks to the public, will be cancelled)..... -5,217

Total Funding Change, Health Programs.....	-5,217
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Employee Compensation Program

Funding Schedule by Activity

	(dollars in thousands)		
	FY 2005	FY 2006	FY 2007
Employee Compensation Program.....	42,703	0	4,455
Total, Employee Compensation Program.....	42,703	0	4,455

Description

In FY 2007, 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) Part E.

Benefits

Record search activities are necessary for employment verification and documentation of exposures to toxic substances as well as information on toxic substances in use at DOE facilities.

Detailed Justification

	(dollars in thousands)		
	FY 2005	FY 2006	FY 2007
Employee Compensation Program.....	42,703	0	4,455
<p>This program will continue record search activities in support of the Department of Labor's implementation of EEOICPA Part E. In FY 2005, Congress passed the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (Public Law 108-375) which directed that Part D of the original EEOICPA be absolved and established Part E. Record search activities are necessary for employment verification and documentation of exposures to toxic substances as well as information on toxic substances in use at DOE facilities.</p>			
Congressionally Directed Activities.....	0	0	0
<p>Additional funding was also directed by Congress in FY 2006 for the DOE Worker Records Digitization Project in Nevada (\$4M) and Initiation of the Chernobyl Research and Service Project (\$5M). The Department has analyzed how best to satisfy these two activities consistent with EH's FY 2006 Congressional Budget request and subsequent appropriation. As a result, EH is making use of prior year unobligated balances from the Employee Compensation Program (\$2M) to fund these activities.</p>			
Total, Employee Compensation Program.....	42,703	0	4,455

**Other Defense Activities/
Environment, Safety and Health (defense)/
Employee Compensation Program**

FY 2007 Congressional Budget

Explanation of Funding Changes

FY 2007 vs. FY 2006 (\$000)

Employee Compensation Program

■ Budget request funds record search activities. This activity supports the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act (EEOICPA) Part E. Part E programs require employee verification and exposure records for implementation. Funding is necessary for Field sites to provide records. FY 2006 will be funded entirely with carryover funding from FY 2005.....	+4,455
Total Funding Change, Employee Compensation Program.....	+4,455

Program Direction

Funding Profile by Category

(dollars in thousands/whole FTEs)

	FY 2005	FY 2006	FY 2007
Idaho Operations Office			
Salaries and Benefits.....	318	312	329
Travel.....	6	6	6
Other Related Expenses.....	1	1	1
Total, Idaho Operations Office.....	325	319	336
Full Time Equivalents.....	2	2	2
Radiological and Environmental Sciences Laboratory			
Salaries and Benefits.....	2,623	2,459	2,585
Travel.....	47	44	46
Other Related Expenses.....	5	4	4
Total, Radiological and Environmental Sciences Laboratory.....	2,675	2,507	2,635
Full Time Equivalents.....	17	16	16
Headquarters			
Salaries and Benefits.....	16,902	16,200	16,286
Travel.....	287	268	755
Other Related Expenses.....	62	57	64
Total, Headquarters.....	17,251	16,525	17,105
Full Time Equivalents.....	112	109	116
Total Program Direction			
Salaries and Benefits.....	19,843	18,971	19,200
Travel.....	340	318	807
Other Related Expenses.....	68	62	69
Total, Program Direction.....	20,251	19,351	20,076
Total, Full Time Equivalents.....	131	127	134

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.

As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. Environment, Safety and Health performs critical functions which directly support the mission of the Department. The Office of Environment, Safety and Health performs critical functions which directly support the mission of the

**Other Defense Activities/
Environment, Safety and Health (defense)/
Program Direction**

FY 2007 Congressional Budget

Department. These functions include funding for a Federal staff that has the technical expertise to carry out the essential EH mission. The EH mission requires experts to develop overall environment, safety, and health policy for DOE sites and facility operations; to provide a central and coordinated source of scarce technical expertise to all Field 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 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.

Significant Program Shift

Radiological and Environmental Sciences Laboratory – Laboratory functions will be studied for competition with the private sector.

Detailed Justification

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
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Salaries and Benefits..... **19,843** **18,971** **19,200**

Includes funding for full-time permanent and other than full-time permanent employees' salaries, overtime pay, cash incentive awards, lump sum leave payments, Senior Executive Service, other performance awards, and payments to the worker's compensation.

Travel..... **340** **318** **807**

EH travel requirements are in line with the EH Federal staff levels and currently estimated mission essential travel needs. Reflects EH initiative to increase site visits resulting in a substantial increase in environment, safety and health travel funding.

Other Related Expenses..... **68** **62** **69**

This category provides for the essential training activities as well as Working Capital Fund expenditures. The Working Capital Fund covers non-discretionary costs such as space utilization, computer and telephone usage, mail service, supplies and electronic services. Funding also supports EH office expenditures for printing and reproduction, telecommunication needs, ADP maintenance and training for Federal staff, including the training course registration fees for EH Federal employees. Provides training and course registration costs for EH employees.

Total, Program Direction..... **20,251** **19,351** **20,076**

**Other Defense Activities/
Environment, Safety and Health (defense)/
Program Direction**

FY 2007 Congressional Budget

Explanation of Funding Changes

FY 2007 vs. FY 2006 (\$000)

Salaries and Benefits

- Reflects additional staffing for Nuclear Safety Research Function and reflects restructuring of salary and benefits requirements..... +229

Travel

- Reflects EH initiative to increase site visits resulting in a substantial increase in environment, safety and health travel funding..... +489

Other Related Expenses

- Reflects prescribed inflation rate as well as the implementation of one of EH's strategies in support of its six strategic goals, establishing a culture of continuous learning and employee development through a number of training and educational development techniques and activities..... +7

Total Funding Change, Program Direction..... +725

Other Related Expenses by Category

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Other Related Expenses					
Training.....	68	62	69	+7	+11.3%
Total, Other Related Expenses.....	68	62	69	+7	+11.3%

**Other Defense Activities
Office of Legacy Management**

**Overview
Appropriation Summary by Program**

(dollars in thousands)

	FY 2005 Current Appropriation	FY 2006 Original Appropriation	FY 2006 Adjustments ^a	FY 2006 Current Appropriation	FY 2007 Request
Other Defense Activities					
Legacy Management	46,520	45,076	-451	44,625	167,851
Total, Other Defense Activities	46,520	45,076	-451	44,625	167,851
Energy Supply and Conservation					
Legacy Management	30,883	33,522	-335	33,187	33,139
Subtotal, Energy Supply and Conservation	30,883	33,522	-335	33,187	33,139
Less Use of Prior Year Balances.....	-266	0	0	0	0
Total, Energy Supply and Conservation	30,617	33,522	-335	33,187	33,139
Total, Other Defense Activities and Energy Supply and Conservation.....	77,137	78,598	-786	77,812	200,990

Preface

During FY 2007, the Department continues its efforts to reduce risk to human health and the environment at its contaminated sites and manage its pension and benefit responsibilities for former contractor personnel. By conducting the long-term surveillance and maintenance of remediated sites and ensuring pension and benefit continuity, the Office of Legacy Management 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.

This Overview will describe Strategic Context, Mission, Benefits, Strategic Goals, and Funding by General Goals. 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, this Overview will address Significant Program Shifts.

Strategic Context

Following publication of the Administration’s National Energy Policy, the Department developed a Strategic Plan that defines its mission, four strategic goals for accomplishing that mission, and seven

^a Reflects a 1 percent rescission in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006

general goals to support the strategic goals. Each appropriation has developed quantifiable goals to support the general goals. Thus, the “goal cascade” is the following:

Department Mission → Strategic Goal (25 yrs) → General Goal (10-15 yrs) → Program Goal (GPRA Unit) (10-15 yrs)

To provide a concrete link between budget, performance, and reporting, the Department developed a “GPRA 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.

The goal 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 GRPA and the President’s Management Agenda (PMA).

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 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 work force.

The Office of Legacy Management programs provide benefits to the Department following mission change or site closure. For sites where cleanup is completed, Legacy Management programs ensure that the remediation measures implemented during closure are protecting human health and the environment, that labor responsibilities for the contractor work force 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, General, and Program Goals

The Department’s Strategic Plan identifies four strategic goals (one each for defense, energy, science, and environmental aspects of the mission plus seven general goals that tie to the strategic goals. The Other Defense Activities appropriation supports the following goal:

Environment Strategic Goal: To protect the environment by providing a responsible resolution to the environmental legacy of the Cold War and by providing for the permanent disposal of high-level radioactive waste.

General Goal 6, Environmental Management: Accelerate cleanup of nuclear weapons manufacturing and testing sites, completing cleanup of 108 contaminated sites by 2025.

The programs funded within the Other Defense Activities appropriation have one Program Goal that contributes to the General Goal in the “goal cascade”. This goal is:

Program Goal 06.26.00.00: 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 General Goal

Within the Program Goal for the Legacy Management program, there are four subgoals that contribute to the general goal. These subgoals are:

- 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 and Privacy Act requests. This enables more efficient operation of the other activities and is needed to defend the Department against future liability claims.
- Support an effective and efficient work force structured to accomplish Departmental missions and assure 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.
- 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.

Funding by General and Program Goal

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
General Goal 6			
General Goal 6, Environmental Management Program Goal			
06.26.00.00, Legacy Management	33,425	31,107	156,790
Subtotal, General Goal 6 (Other Defense Activities)	33,425	31,107	156,790
All Other			
Program Direction	13,095	13,518	11,061
Total, General Goal 6 (Other Defense Activities)	46,520	44,625	167,851

Annual Performance Results and Targets

FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
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General Goal 6, Environmental Management
Legacy Management Program/Legacy Management

Supported local community transition activities that created or retained 27,500 to 29,000 private sector jobs by the end of FY 2002	Supported local community transition activities that created or retained 29,000 to 30,500 private sector jobs by the end of FY 2003	Supported local community transition activities that created or retained 30,500 to 31,000 private sector jobs by the end of FY 2004
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Ensure continued effectiveness of cleanup remedies through surveillance and maintenance activities at Pinellas and Maxey Flats in accordance with legal agreements

Ensure continued effectiveness of cleanup remedies through surveillance and maintenance activities at five sites in accordance with legal agreements

Maintain the protectiveness of installed environmental remedies through inspections and other actions at 100 percent of sites within LM's responsibility.

No comparable measures in FY 2005.
A baseline of program direction divided by the total appropriation (excluding Congressionally Directed Activities) is 20.6 percent

Reduce the ratio of program direction to the appropriation by 1 percent from the FY 2005 baseline

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.

Means and Strategies

The Legacy Management Program will use various means and strategies to achieve its 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.
- 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 (LM) will only accept responsibility for sites where remediation has been substantially completed.

The following external factors 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 sites where surveillance and maintenance has been conducted 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 will be documented as 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

Government 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.

Significant Policy or Program Shifts

- By the start of FY 2007, the Office of Environmental Management (EM) will have completed active cleanup of several major sites throughout the Department of Energy complex. Management of these sites will be transferred to the Office of Legacy Management (LM). Management activities will include legacy functions of long-term surveillance and maintenance, long-term response actions, oversight and management of pension and benefit payments for former contractor retirees, and records management. The cumulative effect of these transfers will result in an increase of the LM budget by approximately 150 percent. However, this increase in the LM budget will be matched by a corresponding decrease in the EM budget.
 - The largest transfer will be for the Rocky Flats site near Denver, CO. Active cleanup will be completed and all other activities except for legacy function at this major site have ended. At this site, LM will be managing all activities identified above.
 - The Fernald Site near Cincinnati, OH, is another major transfer. Like Rocky Flats, active cleanup will be completed and LM will be managing all the legacy functions identified above.
 - A group of sites known collectively as the Nevada offsites, will be also be a major transfer. The sites involved in this category are: Amchitka site, AK; Rio Blanco and Rulison sites, CO; Gasbuggy and Gnome-Coach sites, NM; Salmon site, MS; and Project Shoal and Central Nevada Test Area, NV. LM will be managing the legacy functions of long-term surveillance and management, long-term response actions, and records management for these sites. There are no pension or benefit payments involved for any of these sites.
- At the same time that the program magnitude is significantly increasing, the Office of Legacy Management (LM) is involved in an internal evaluation of its own management needs. LM is evaluating the anticipated work load from the increased activities and its existing skill mix in an effort to effectively manage its activities. So far, this review has resulted in significant efficiencies for FY 2007 from FY 2006, despite the increase in the program scope and magnitude.
- To accommodate the records management functions, the FY 2007 request supports the centralization of Legacy Archives and Information activities from various sites across the country to a single location to ensure a more streamlined management approach.

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 2005	FY 2006	FY 2007
Legacy Management			
Legacy Management			
Fernald Site.....	0	0	300
Morgantown Office	0	0	768
Nevada Offsites	0	0	738
Rocky Flats Field Office	0	0	406
Total, Legacy Management.....	0	0	2,212
Total, Direct-Funded Maintenance and Repair (Other Defense Activities).....	0	0	2,212

**Other Defense Activities
Office of Legacy Management**

Funding by Site by Program

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Fernald Site.....	0	0	26,521
Grand Junction Office.....	11,284	11,135	12,473
Morgantown Office	7,936	0	8,860
Mound Plant.....	3,968	0	0
Pinellas Plant	7,688	7,527	7,623
Rocky Flats Field Office.....	496	0	90,754
Washington Headquarters.....	15,148	25,963	21,620
Total, Other Defense Activities	46,520	44,625	167,851

Major Changes or Shifts by Site

Rocky Flats Field Office

More than half of the Legacy Management budget increase can be attributed to the transfer of responsibilities at the Rocky Flats site. By FY 2007, the Office of Legacy Management will have the responsibility for long-term surveillance and maintenance and pension and benefit continuity for former contractor employees at the former Rocky Flats site. The management of long-term surveillance and maintenance will be directed by personnel at the Rocky Flats site and in the Grand Junction Office and the pension and benefit continuity will be overseen by personnel at the Rocky Flats Office and in Washington Headquarters.

Fernald Site

By FY 2007, the Office of Legacy Management will have responsibility for long-term surveillance and maintenance, pension and benefit continuity for former contractor employees, and records management for the Fernald, OH, site. The long-term surveillance and maintenance will be directed by personnel in Ohio and in the Grand Junction Office, the pension and benefit continuity will be overseen by personnel in Washington headquarters, and the records will be centrally managed by personnel in the Morgantown, WV, Office.

Grand Junction Office

By FY 2007, the Grand Junction LM Office will add long-term surveillance and maintenance responsibilities for the Nevada Offsites.

Morgantown Office

During FY 2007, the office will begin transferring records from various locations and will initiate centralized archival, retrieval, and other archive management functions. Record keeping for the transferred Columbus, OH, site will also be included.

Site Description

Fernald Site

The Fernald site is located in southern Ohio and is one of the facilities targeted by the Office of Environmental Management for closure in FY 2006. Funding in FY 2007 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 program at sites distributed throughout the Western states is the staff's primary function. The long-term surveillance and maintenance activities managed from this office include environmental monitoring, long-term treatment of contaminants, maintaining site security, and asset disposition. During FY 2007, in addition to surveillance and maintenance activities, preparation for transferring the Mound site from Environmental Management to Legacy Management will also occur.

Morgantown Office

The Morgantown Office is located in Morgantown, WV. Program functions that are the focus of staff at that location include long-term surveillance and maintenance activities in the Eastern and Midwestern states and, beginning in FY 2007, legacy archives and information management activities to support the missions of the Office of Legacy Management. During FY 2005 and FY 2006, design, site selection, land acquisition, and construction of a records storage facility were major work elements.

Mound Plant

The Mound Plant is one of the facilities targeted by the Office of Environmental Management for closure in FY 2007. Successful site cleanup will result in the closure and turnover of 24 buildings and 306 acres to the Miamisburg-Mound Community Improvement Corporation for private sector development.

Pinellas Plant

The Pinellas Site is a former weapons facility located in Pinellas, FL, which is in the Tampa-St. Petersburg metropolitan area. The facility has been completely closed and the property sold to the local community reuse organization. The Legacy Management program provides pension and benefits payments for the former contractor work force as well as assisted the community reuse organization as a focal point to stabilize the local economy. A portion of the funding in FY 2005 (approximately \$ 1.2M) was for assistance for the community reuse organization.

Rocky Flats Field Office

The Rocky Flats facility is located about ten miles north of Golden, CO. It is one of the facilities targeted by the Office of Environmental Management for closure in FY 2006. Funding in FY 2005 was to assist in forming a Local Stakeholder Organization for that facility. Funding in FY 2007 will be for the purposes of long-term surveillance and maintenance and post-closure contractor retiree pensions and benefits.

Washington Headquarters

Introduction

The Office of Legacy Management has been organized as a Headquarters office with personnel located in the Washington, DC area, Denver and Grand Junction, CO, Morgantown, WV, and Pittsburgh, PA.

Washington Headquarters

The Office of Legacy Management Washington headquarters staff have primary management responsibility for program direction and for some program activities. Program activities include investigating mechanisms to manage retiree pensions and benefits and administering the funding for the environmental justice program.

Legacy Management

Funding Profile by Subprogram

(dollars in thousands)

	FY 2005 Current Appropriation	FY 2006 Original Appropriation	FY 2006 Adjustments ^a	FY 2006 Current Appropriation	FY 2007 Request
Legacy Management					
Legacy Management	33,425	31,421	-314	31,107	156,790
Program Direction.....	13,095	13,655	-137	13,518	11,061
Total, Legacy Management Program...	46,520	45,076	-451	44,625	167,851

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 109-163, National Defense Authorization Act for Fiscal Year 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 (also referred to as long-term stewardship) 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 Environmental Justice program, and, (5) dispose of assets no longer needed for the Department’s missions.

Beginning in FY 2005, the cost of conducting External Independent Reviews (EIRs) for Capital Asset Projects greater than \$5 million within the Legacy Management Program, have been funded by this program. Examples of EIRs include conducting Performance Baseline EIRs prior to Critical Decision-2 (CD-2) to verify the accuracy of cost and schedule baseline estimates and conducting Construction/ Execution Readiness EIRs, which are done for all Major System projects prior to CD-3. These funds, which are managed by the Office of Engineering and Construction Management, are exclusively used for EIRs directly related to these projects funded within the Legacy Management program. Beginning

^a Reflects a 1 percent rescission in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006

in FY 2007, the EIR business line will be financed via the Working Capital fund to achieve parity on how EIRs are funded and to standardize the administration of these critical activities.

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.

FY 2005 Achievements

- Conducted required site inspections and other reviews at all sites specified in legal, regulatory, and other agreements.
- Assumed responsibility for the following Environmental Management sites: General Atomics, University of Missouri Research Reactor, Project Chariot, and Geothermal Test Facility.

Legacy Management Funding Schedule by Activity

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Legacy Management			
Long-Term Surveillance and Maintenance	11,284	11,136	26,525
Pension and Benefit Continuity	7,986	19,407	120,747
Legacy Archives Management.....	0	0	8,860
Environmental Justice	565	564	658
Congressionally Directed Activity.....	13,590	0	0
Total, Legacy Management	33,425	31,107	156,790

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 2005	FY 2006	FY 2007
Long-Term Surveillance and Maintenance	11,284	11,136	26,525
<p>The funding requested for FY 2007 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. Activities associated with preparation for transfer of additional sites are also included.</p>			
▪ Fernald Site	0	0	10,269
<p>The Fernald Site consists of the former Fernald facility. Responsibility for this site will be transferred at the beginning of FY 2007 from the Office of Environmental Management. Funding in FY 2007 will allow LM to monitor and conduct long-term surveillance and maintenance activities.</p>			
▪ Nevada Offsites	0	0	5,081
<p>The Nevada Offsites consist of eight individual sites, mostly located in the Western States. Responsibility for those sites will be transferred at the beginning of FY 2007 from the Office of Environmental Management. Funding in FY 2007 will allow LM to monitor and conduct long-term surveillance and maintenance activities at these sites.</p>			
▪ Rocky Flats	0	0	3,783
<p>The funding requested for FY 2007 will allow the LM to monitor and conduct long-term treatment at the Rocky Flats site. Responsibility for this site will be transferred at the beginning of FY 2007 from the Office of Environmental Management. Functions include soil, water, and air monitoring, and maintaining security for the site and other resources associate with the site.</p>			
▪ Other Defense Sites	11,284	11,136	7,392
<p>The Office of Legacy Management also manages long-term surveillance and maintenance activities at five other sites and is preparing for transfer of additional sites. The funding for FY 2007 will allow LM to conduct those activities.</p>			
Pension and Benefit Continuity	7,986	19,407	120,747
▪ Fernald Site	0	0	16,252
<p>At the start of FY 2007, the Office of Legacy Management will receive responsibility for ensuring continuity of pensions and benefits for contractor retirees. This funding request will include pensions, medical benefits, life insurance, and Medicare Part B payments.</p>			
▪ Pinellas	6,498	7,527	7,623
<p>This project provides payments to former contractor employees pursuant to administration of DOE liabilities associated with contractor employee retirement benefits.</p>			

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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▪ **Rocky Flats** **0** **0** **86,972**

At the start of FY 2007, the Office of Legacy Management will receive responsibility for ensuring continuity of pensions and benefits for contractor retirees. This funding request will include pensions, medical benefits, life insurance, and Medicare Part B payments.

▪ **Closure Sites Pension and Benefit Administration...** **1,488** **11,880** **9,900**

Funding for this activity will support a management and delivery system to conduct the functions necessary to provide retiree benefits to former contractor employees from Rocky Flats.

Legacy Archives Management..... **0** **0** **8,860**

The activity of Records Management satisfies the office goal to preserve, protect, and make accessible legacy records and information. The funding for this activity will provide for archiving, retrieval, duplicating, and other functions associated with storing and retrieving records in accordance with NARA standards. During FY 2007, the records management facility in Morgantown, WV, will become operational and LM will consolidate there records currently stored in various locations.

These records must be available and retrievable within respective timeframes for Freedom of Information Act (FOIA), Privacy Act (PA), and Employees Occupational Illness Compensation Act (EEOICPA) inquiries. The archive management activities will permit ready access to the respective records in the most cost-effective manner.

This amount also includes \$728 thousand for repair and maintenance of the records facility.

Environmental Justice..... **565** **564** **658**

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.

Congressionally Directed Activities **13,590** **0** **0**

There were a total of three Congressionally Directed activities funded in FY 2005. The program does not request funding in FY 2007 for these activities. The following activities were directed by Congress in FY 2005 to be included in this program:

▪ **Local Stakeholder Organization.....** **496** **0** **0**

This organization would serve as a focal point for interested parties following the closure of the Rocky Flats facility.

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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▪ Records Management	7,936	0	0
The Office of Legacy Management will oversee site selection and facility construction. The facility is scheduled to be completed in time to receive records from the three major EM closure sites (Rocky Flats, Fernald, and Mound).			
▪ Community Transition	5,158	0	0
There were two sites in FY 2005 to receive funding to assist their respective community reuse organizations: the Pinellas Plant in Pinellas, FL, and the Mound Plant in Miamisburg, OH.			
Total, Legacy Management	33,425	31,107	156,790

Explanation of Funding Changes

FY 2007 vs. FY 2006 (\$000)

Long-Term Surveillance and Maintenance

▪ Fernald Site	
These sites will be transferred to the Office of Legacy Management at the beginning of FY 2007. There is a corresponding decrease in the budget for the Office of Environmental Management	
	10,269
▪ Nevada Offsites	
These sites will be transferred to the Office of Legacy Management at the beginning of FY 2007. There is a corresponding decrease in the budget for the Office of Environmental Management	
	5,081
▪ Rocky Flats	
This site will be transferred to the Office of Legacy Management at the beginning of FY 2007. There is a corresponding decrease in the budget for the Office of Environmental Management	
	3,783
▪ Other Defense Sites	
This category had included funding in FY 2006 and earlier years to prepare for the transfer of Rocky Flats from EM to LM. These preparations will be completed in FY 2007 when the management of that site is transferred to LM. The decrease offsets the additional long-term surveillance and maintenance costs of other sites also transferred to LM	
	-3,744
Total, Long-Term Surveillance and Maintenance	15,389

FY 2007 vs. FY 2006 (\$000)

Pension and Benefit Continuity

<ul style="list-style-type: none"> ▪ Fernald Site At the beginning of FY 2007, the Office of Legacy Management will receive responsibility for continuity of pensions and benefits for former contractor retirees. There is a corresponding decrease in the budget for the Office of Environmental Management ▪ Pinellas Contractor Medical Benefits No significant change ▪ Rocky Flats At the beginning of FY 2007, the Office of Legacy Management will receive responsibility for continuity of pensions and benefits for former contractor retirees. There is a corresponding decrease in the budget for the Office of Environmental Management ▪ Closure Sites Pension and Benefit Administration During FY 2006, Legacy Management will investigate contractual mechanisms for pension and benefit continuity. Funding in FY 2007 will fund actual pension and benefit administration costs 	 16,252 96 86,972 -1,980 <hr/> 101,340
Total, Pension and Benefit Continuity	

Legacy Archives Management

Funding will pay for consolidating records into the records storage facility and initiating processes for efficiently accessing stored records. While LM has managed records and information since its inception, the costs are sufficiently large that it is now identified as a separate activity	8,860
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Environmental Justice

No significant change	94
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Total Funding Change, Legacy Management	125,683
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Program Direction

Funding Profile by Category

(dollars in thousands/whole FTEs)

	FY 2005	FY 2006	FY 2007
Headquarters			
Salaries and Benefits	9,480	9,959	7,794
Travel.....	637	634	594
Support Services.....	1,758	1,722	1,414
Other Related Expenses.....	1,220	1,203	1,259
Total, Headquarters	13,095	13,518	11,061
Full Time Equivalents	72	81	70

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 are all Headquarters employees, but primarily located in Washington, DC area, Grand Junction, Colorado, and Morgantown, West Virginia.

As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. The Office of Legacy Management performs critical functions which directly support the mission of the Department. These functions include but are not limited to long-term surveillance and maintenance, overseeing management of pensions and benefits for former contractor personnel, legacy archives management, managing information technology, ensuring sound legal advice and fiscal stewardship, developing and implementing uniform program policy and procedures, maintaining and supporting our work force, safeguarding our work spaces, and providing Congressional and public liaison.

Detailed Justification

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Salaries and Benefits	9,480	9,959	7,794

Personnel are responsible for conducting surveillance and maintenance activities for a variety of DOE sites, many situated in remote locations. Although Legacy Management is a headquarters function, there are personnel stationed in Grand Junction, CO, and Morgantown, WV. A major portion of the

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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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.

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 approximately 1,000 prime contractor changes per year; (3) work to streamline the approval of work force 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 FUSRAP considered sites, reviewing Departmental liability for CERCLA claims, and administering the environmental justice program within the Department.

Travel.....	637	634	594
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Travel will enable staff to conduct necessary surveillance and maintenance functions, oversight, and related activities.

Support Services.....	1,758	1,722	1,414
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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.....	1,220	1,203	1,259
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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.

This category also includes funding for a portion of the maintenance and repair costs for the records facility in Morgantown, WV.

Total, Program Direction	13,095	13,518	11,061
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Explanation of Funding Changes

FY 2007 vs. FY 2006 (\$000)

Salaries and Benefits

Change reflects a transfer of 3 FTEs and a further reduction of 8 additional FTEs – despite the increased work load of additional sites – and a restructuring of the office work force to a lower average grade..... -2,165

Travel

No significant change..... -40

Support Services

Completion of the worker and community transition activities and completion of the preparations for site transfers has reduced the need for some computer services and some support contractors..... -308

Other Related Expenses

The “other related expenses” include \$40 thousand for the repair and maintenance costs for the records management facility in Morgantown, WV, associated with office space.. 56

Total Funding Change, Program Direction..... -2,457

Support Services by Category

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Automated Data Processing.....	300	333	50	-283	-85.0%
Manpower Systems Analyses.....	210	420	420	0	0.0%
Training and Education.....	150	100	100	0	0.0%
Analysis of DOE Management Processes.....	100	200	200	0	0.0%
Reports and Analyses Management and General Administrative Services.....	998	669	644	-25	-3.7%
Total, Support Services.....	1,758	1,722	1,414	-308	-17.9%

Other Related Expenses

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Working Capital Fund.....	1,071	1,059	1,067	8	0.8%
Records Storage Facility Repair and Maintenance..	0	0	40	40	--
Other.....	149	144	152	8	5.6%
Total, Other Related Expenses.....	1,220	1,203	1,259	56	4.7%

Other Defense Activities
Office of Nuclear Energy, Science and Technology

Overview

Appropriation Summary by Program

(dollars in thousands)

	FY 2005 Current Appropriation	FY 2006 Original Appropriation	FY 2006 Adjustments	FY 2006 Current Appropriation	FY 2007 Request
Other Defense Activities					
Infrastructure					
Idaho Facilities Management.....	20,719 ^a	17,762 ^b	-178 ^c	17,584	0 ^d
Idaho Sitewide Safeguards and Security	57,662	75,008	-720 ^e	74,288	75,949
Total, Infrastructure	78,381	92,770	-898	91,872	75,949
Spent Nuclear Fuel Management.....	1,488	0	+0	0	0
Program Direction.....	33,587 ^f	31,103 ^g	-311 ^h	30,792	0 ⁱ
Subtotal, Other Defense Activities.....	113,456	123,873	-1,209	122,664	75,949
Less Security Charge for Reimbursable Work	-3,003	-3,003	+0	-3,003	-3,003
Total, Other Defense Activities	110,453	120,870	-1,209	119,661	72,946

^a Excludes \$91,434,000 appropriated under Energy Supply and Conservation appropriation, a \$167,000 rescission and \$10,000,000 from Naval Reactors.

^b Excludes \$82,600,000 originally appropriated under Energy Supply and Conservation appropriation and \$13,500,000 from Naval Reactors.

^c 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.

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

^e 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.

^f Excludes \$26,218,000 appropriated under Energy Supply and Conservation appropriation and a \$271,000 rescission.

^g Excludes \$30,006,000 originally appropriated under Energy Supply and Conservation appropriation.

^h Includes a rescission of \$311,030 in accordance with P.L. 109-148, Emergency Supplemental Appropriations to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006.

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

Preface

The Office of Nuclear Energy, Science and Technology (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 critical nuclear infrastructure that provides nuclear technology goods and services.

NE has one program completely funded within the Other Defense Activities appropriation - Idaho Sitewide Safeguards and Security. In FY 2005 and FY 2006, NE has 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 are solely requested in the Energy Supply and Conservation appropriation.

This Overview will describe Strategic Context, Mission, Benefits, Strategic Goals and Funding by General 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.

Strategic Context

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

Department Mission → Strategic Goal (25 yrs) → General Goal (10-15 yrs) → Program Goal (GPRA Unit) (10-15 yrs)

To provide a concrete link between budget, performance, and reporting, the Department developed a "GPRA^a 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.^b

The goal 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).

^a Government Performance and Results Act of 1993

^b The numbering scheme uses the following numbering convention: First two digits identify the General Goal (01 through 07); second two digits identify the GPRA Unit; last four digits are reserved for future use.

Mission

One of the missions of the Office of Nuclear Energy, Science and Technology is to safeguard DOE nuclear infrastructure that provides nuclear technology goods and services. NE manages research laboratories and radiological facilities and is the Lead Program Secretarial Officer for the Idaho National Laboratory.

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, General, and Program Goals

The Department's Strategic Plan identifies four strategic goals (one each for defense, energy, science, and environmental aspects of the mission) plus seven general goals that tie to the strategic goals. The Office of Nuclear Energy, Science and Technology supports the following goals:

Energy Strategic Goal: To protect our national and economic security by promoting a diverse supply of reliable, affordable, and environmentally sound energy.

General Goal 4, Energy Security: Improve energy security by developing technologies that foster a diverse supply of reliable, affordable and environmentally sound energy by providing for reliable delivery of energy, guarding against energy emergencies, exploring advanced technologies that make a fundamental improvement in our mix of energy options, and improving energy efficiency.

The programs funded by the Office of Nuclear Energy, Science and Technology within Other Defense Activities appropriation have the following Program Goal which contribute to General Goal 4 in the "goal cascade":

Program Goal 04.17.00.00: Maintain, enhance, and safeguard the Nation's nuclear infrastructure capability - to meet the Nation's energy, environmental, medical research, space exploration, and national security needs.

Contribution to General Goal 4

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.

Major FY 2005 Achievements

The Office of Nuclear Energy Idaho Design Basis Threat (DBT) Program Management Plan was issued in FY 2005. This plan utilizes the project management aspects of DOE Order 413.1, Program and Project Management Policy, to achieve implementation of the 2003 DBT by the end of FY 2006. A new DBT was issued in October 2004, which requires full implementation by the end of FY 2008. All FY 2005 actions required by the 2003 DBT project management plan that remain consistent with the 2004 DBT were accomplished. A DBT Implementation Plan that addresses both the 2003 and the 2004 DBT was prepared and the final design of the video capture upgrade project, in support of the DBT, at the Materials and Fuels Complex has been completed.

Funding by General and Program Goal

	(dollars in thousands)		
	FY 2005	FY 2006	FY 2007
General Goal 4, Energy Security			
Program Goal 04.17.00.00, Maintain, enhance, and safeguard the national nuclear infrastructure.....	78,381	91,872	75,949
Subtotal, General Goal 4 (Other Defense Activities)	78,381	91,872	75,949
All Other			
Program Direction	33,587	30,792	0 ^a
Spent Nuclear Fuel Management.....	1,488	0	0
Less Security Charge for Reimbursable Work.....	-3,003	-3,003	-3,003
Total, All Other	32,072	27,789	-3,003
Total, General Goal 4, (Other Defense Activities)	110,453	119,661	72,946

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

Office of Nuclear Energy, Science and Technology
Funding by Site by Program

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Chicago Operations Office			
Spent Nuclear Fuel Management	1,488	0	0
Idaho National Laboratory			
Idaho Facilities Management	20,719 ^a	17,584 ^b	0 ^c
Idaho Sitewide Safeguards and Security	57,662	74,288	75,949
Total, Idaho National Laboratory	78,381	91,872	75,949
Idaho Operations Office			
Program Direction.....	33,587	30,792	0 ^c
Total, Other Defense Activities ^d	113,456	122,664	75,949

Site Description

Chicago Operations Office

Spent Nuclear Fuel Management

Chicago Operations Office administers a contract with BWXT Service, Inc. for continuing spent nuclear fuel and other related material storage at the BWXT Lynchburg Technology Center.

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, Science and Technology (NE) is the Lead Program Secretarial Office (LPSO) responsible for the Idaho Operations Office (ID). Beginning in the second quarter of FY 2005, ANL-West became part of INL.

^a Excludes \$91,434,000 appropriated under Energy Supply and Conservation appropriation, a \$167,000 rescission, and \$10,000,000 from Naval Reactors.

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

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

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

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 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 2005 Current Appropriation	FY 2006 Original Appropriation	FY 2006 Adjustments	FY 2006 Current Appropriation	FY 2007 Request
Infrastructure					
Idaho Facilities Management	20,719 ^a	17,762 ^b	-178 ^c	17,584	0 ^d
Idaho Sitewide Safeguards and Security	57,662	75,008	-720 ^e	74,288	75,949
Total, Infrastructure	78,381	92,770	-898	91,872	75,949

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. The mission also includes consolidating nuclear operations required to produce radioisotope power systems at a single, secure site, thereby enhancing the safety and security of these nuclear materials.

In FY 2005 and FY 2006, the Idaho Facilities Management program was funded in both the Energy Supply and Conservation and the Other Defense Activities appropriations. Beginning in FY 2007, the Idaho Facilities Management program is requested only under the Energy Supply and Conservation appropriation. Therefore, the FY 2007 funding tables, performance measures, and budget justification address only the Idaho Sitewide Safeguards and Security program

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 \$91,434,000 appropriated under Energy Supply and Conservation appropriation, a \$167,000 rescission and \$10,000,000 from Naval Reactors.

^b Excludes \$82,600,000 originally appropriated under Energy Supply and Conservation appropriation; \$13,500,000 from Naval Reactors.

^c 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.

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

^e 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**

FY 2007 Congressional Budget

Strategic and Program Goals

The Department's Strategic Plan identifies four strategic goals (one each for defense, energy, science, and environmental aspects of the mission) plus seven general goals that tie to the strategic goals. The Infrastructure program supports the following goal:

Energy Strategic Goal

General Goal 4, Energy Security: Improve energy security by developing technologies that foster a diverse supply of reliable, affordable and environmentally sound energy by providing for reliable delivery of energy, guarding against energy emergencies, exploring advanced technologies that make a fundamental improvement in our mix of energy options, and improving energy efficiency.

The Infrastructure program has one program goal that contributes to General Goal 4 in the "goal cascade":

Program Goal 04.17.00.00: Maintain, enhance, and safeguard the Nation's nuclear infrastructure capability - to meet the Nation's energy, environmental, medical research, space exploration, and national security needs.

Contribution to Program Goal 04.17.00.00 (Maintain, enhance, and safeguard the Nation's nuclear infrastructure capability)

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 General and Program Goal

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
General Goal 4, Energy Security Program Goal 04.17.00.00: Maintain, enhance, and safeguard the Nation's nuclear infrastructure capability			
Idaho Facilities Management.....	20,719 ^a	17,584 ^b	0 ^c
Idaho Sitewide Safeguards and Security	57,662	74,288	75,949
Total, General Goal 4 (Infrastructure)	78,381	91,872	75,949

^a Excludes \$91,434,000 appropriated under Energy Supply and Conservation appropriation, a \$167,000 rescission and \$10,000,000 from Naval Reactors.

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

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

**Other Defense Activities/Nuclear Energy/
Infrastructure**

FY 2007 Congressional Budget

Annual Performance Results and Targets

FY 2002 Results	FY 2003 Results	FY 2004 Results	FY 2005 Results	FY 2006 Targets	FY 2007 Targets
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Program Goal 04.17.00.00 (Maintain, enhance, and safeguard the Nation's nuclear infrastructure capability))

Infrastructure

Idaho Sitewide Safeguards and Security

<p>During FY 2002, no national security incidents occurred within NE Idaho sitewide cyber systems and security areas that caused unacceptable risk or damage to the Department. (MET TARGET)</p>	<p>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)</p>	<p>Issued the Design Basis Threat Implementation Plan for the Idaho National Engineering and Environmental Laboratory-Argonne National Laboratory-West. (MET TARGET)</p>	<p>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)</p>	<p>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.</p>	<p>TBD</p>
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Means and Strategies

NE will use various means and strategies to achieve its program goals. However, various external factors may impact the ability to achieve these goals. NE 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 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 in a DOE laboratory environment.

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 continuing review by the Congress, the General 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.

NERAC subcommittees evaluate progress of NE's research and development programs. NERAC similarly reviews specific program plans as they are being formulated. In early FY 2004, NERAC established a Subcommittee on Evaluations. The full NERAC and its subcommittees have provided independent evaluations in the past, but these evaluations never comprehensively covered the entire nuclear energy program. The new Subcommittee engages appropriate experts to monitor, on a continual basis designated NE programs and evaluate the progress of these programs against (a) direction and guidance provided by the full NERAC and (b) program plans and performance measures developed by

the program under evaluation. This Subcommittee provides arm's length, independent assessments that are critical to the evaluation of NE programs.

Idaho Facilities Management Funding Schedule by Activity

	(dollars in thousands)		
	FY 2005	FY 2006	FY 2007
Idaho Facilities Management			
INL Operations and Infrastructure	20,719	17,584	0
Total, Idaho Facilities Management	20,719 ^a	17,584 ^b	0 ^c

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 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 Center (RTC) at the site, a 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. In FY 2005 and FY 2006, the Sitewide Infrastructure part of the IFM program was funded in the Other Defense Activities appropriations. Beginning in FY 2007, all of the Idaho Facilities Management Program is requested under the Energy Supply and Conservation appropriation.

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.

^a Excludes \$91,434,000 appropriated under Energy Supply appropriation, a \$167,000 rescission and \$10,000,000 from Naval Reactors.

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

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

NE has developed an INL Ten Year Site Plan (TYSP) that establishes the annual budget requirements for the IFM Program, provides a mission needs analysis of facilities and infrastructure, and identifies the maintenance and recapitalization investments needed at the site to support projected missions such as the Advanced Fuel Cycle Initiative, the Generation IV 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 2005	FY 2006	FY 2007
INL Operations and Infrastructure	20,719	17,584	0
▪ Base Operations	12,030	12,599	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	876	674	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)	5,412	1,244	0
<p>In FY 2005 and 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)	2,401	3,067	0
<p>In FY 2005 and 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	20,719^a	17,584^b	0^c

^a Excludes \$91,434,000 appropriated under Energy Supply appropriation, a \$167,000 rescission and \$10,000,000 from Naval Reactors.

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

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

Explanation of Funding Changes

FY 2007 vs. FY 2006 (\$000)

INL Operations and Infrastructure

- **Base Operations**

The decrease of \$12,599,000 reflects the request for Sitewide base operations activities being requested in the Energy Supply and Conservation appropriation beginning in FY 2007 -12,599

- **Routine Maintenance and Repair**

The decrease of \$674,000 reflects the request for Sitewide routine maintenance and repair activities being requested in the Energy Supply and Conservation appropriation beginning in FY 2007 -674

- **General Plant Projects (GPP)**

The decrease of \$1,244,000 reflects the request for Sitewide GPP activities being requested in the Energy Supply and Conservation appropriation beginning in FY 2007 -1,244

- **Capital Equipment**

The decrease of \$3,067,000 reflects the request for Sitewide capital equipment activities being requested in the Energy Supply and Conservation appropriation beginning in FY 2007 -3,067

Total, INL Operations **-17,584**

Total Funding Change, Idaho Facilities Management **-17,584**

Capital Operating Expenses and Construction Summary

Capital Operating Expenses

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Capital Equipment	2,401	3,067	0
General Plant Projects.....	5,412	1,244	0
Total, Capital Operating Expenses	7,813	4,311	0 ^a

^a Beginning in FY 2007, funding for Idaho Facilities Management will be requested only under the Energy Supply and Conservation appropriation.

Idaho Sitewide Safeguards and Security

Funding Schedule by Activity

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Idaho Sitewide Safeguards and Security			
Idaho Operations Office ^a	57,662	74,288	75,949
Less Security Charge for Reimbursable Work	-3,003	-3,003	-3,003
Total, Idaho Sitewide Safeguards and Security	54,659	71,285	72,946

Funding Schedule by Category

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Idaho Operations Office			
Protective Forces	33,937	42,665	42,500
Security Systems	8,448	15,961	12,092
Transportation	81	0	0
Information Security.....	2,290	2,157	2,226
Personnel Security	1,833	1,919	2,398
Material Control & Accountability.....	3,592	4,053	4,901
Program Management	2,369	2,138	2,232
Cyber Security	5,112	5,395	9,600
Total, Idaho Operations Office	57,662	74,288	75,949

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.

^a Program levels reflect Work for Others (WFO) before the bottom line reduction to the NE appropriation for a “Security Charge for Reimbursable Work.” This offset is displayed above by fiscal year. The new budget authority, as well as the offsetting collections (such as when other agencies are using the facility), for the WFO portion of the S&S budget is included in Departmental Administration’s Cost of Work for Others program, which is managed by the Department’s Office of Chief Financial Officer.

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 will fully implement 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 is in accordance with the approved resource-loaded Idaho Site DBT Implementation Plan.

DOE will continue planning activities toward implementation of the 2005 DBT policy requirements using a risk-informed approach to physical upgrades. Both the 2004 and 2005 DBT policy requirements increased the strength of the postulated adversarial threat over the 2003 DBT; although detailed vulnerability assessments have not yet been completed, significant security system physical upgrades are expected. DOE’s Office of Independent Oversight and Performance Assurance conducted a site assistance visit at Idaho to identify opportunities to increase security in a more cost effective manner through better integration of highly advanced security technology with site security operations. Pending the completion of vulnerability assessments, which will guide protection strategy, DOE believes that early investment in improved positions for defending forces, more capable detection systems, and technological deterrent devices at target locations will result in cost avoidance over the lifetime by relying more on technology and tactics than additional protective force members to counter the revised threat.

DOE will also implement Federal Information Processing Standard (FIPS) 201, entitled *Personal Identity Verification of Federal Employees and Contractors*. FIPS 201 was developed to satisfy the requirements of Homeland Security Presidential Directive/HSPD-12. The new standard requires improving identity and authentication of Federal employees and contractors accessing Federal facilities and information systems.

DOE would like to begin the transition to a diskless classified computing environment in FY 2007. This initiative would be funded by user programs.

Detailed Justification

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Idaho Operations Office	57,662	74,288	75,949
▪ Protective Force	33,937	42,665	42,500

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.

**Other Defense Activities/Nuclear Energy/
Infrastructure/
Idaho Sitewide Safeguards and Security**

FY 2007 Congressional Budget

(dollars in thousands)

FY 2005	FY 2006	FY 2007
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- Physical Security Systems 8,448 15,961 12,092

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.

In FY 2006, NE will initiate a Technology Deployment R&D activity with the Office of Security and Safety Performance Assurance to test new security technologies for eventual deployment in the DOE complex to meet the DBT policy requirements.

In FY 2007, NE will:

- maintain operational physical security systems to include barriers, lighting, sensors, etc.
- implement Federal Information Processing Standard (FIPS 201) by installing card readers that will incorporate the new technology for access compatibility with the new badging technology.
- continue planning activities associated with implementation of the 2005 DBT initiated in FY 2006 at the Idaho site. Specific activities include design and initiate installation of security protection systems to include barriers, lighting, and sensors.

- Transportation 81 0 0

Transportation provides for all security-related transportation for intra-site transfers of special nuclear materials (including safe havens), weapons, and other classified material that is not funded through the National Nuclear Security Administration's Office of Transportation Safeguards (OTS). The safeguards and security program pays for cost of protection and secure movement. Transportation activities are included in Material Control and Accountability (MC&A) beginning in FY 2006.

- Information Security 2,290 2,157 2,226

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.

- Personnel Security 1,833 1,919 2,398

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.

In FY 2007, NE will:

- maintain the Human Reliability Program

(dollars in thousands)

FY 2005	FY 2006	FY 2007
---------	---------	---------

- implement the Federal Information Processing Standard (FIPS 201), by replacing personnel security badges to implement the smart card technology.

▪ **Material Control and Accountability**..... **3,592** **4,053** **4,901**

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.

▪ **Program Management**..... **2,369** **2,138** **2,232**

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.

▪ **Cyber Security** **5,112** **5,395** **9,600**

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.

In FY 2007, NE will:

- implement the Federal Information Processing Standard (FIPS 201). Specific activities include card readers and biometric readers to be attached to each unclassified computer system and special hardware for around 2,000 registered remote access users.
- NE will also implement hardware and software for a new system to implement Certification Authority Capability.

Total, Idaho Sitewide Safeguards and Security **57,662** **74,288** **75,949**

Explanation of Funding Changes

FY 2007 vs. FY 2006 (\$000)

Idaho Sitewide Safeguards and Security

<ul style="list-style-type: none"> Protective Forces The decrease of \$165,000 reflects reduced additional protective force personnel and armor to support the implementation of the 2005 DBT Physical Security Systems The decrease of \$3,869,000 reflects reduced implementation of 2005 DBT such as: installing advanced physical security systems, such as Remote Operated Weapons Systems (ROWS); and completing design and initiating installation of security protection systems to include barriers, lighting, and sensor at the MFC Information Security The increase of \$69,000 is due to increased declassification/classification and information protection activities Personnel Security The increase of \$479,000 will initiate implementation of the Federal Information Processing Standard (FIPS 201) by replacing personnel security badges to implement the smart card technology Material Control & Accountability The increase of \$848,000 reflects purchase of new system upgrades including replacement of equipment that have exceeded their design life Program Management The increase of \$94,000 support additional professional training and development Cyber Security The increase of \$4,205,000 supports implementation for the Federal Information Processing Standard (FIPS 201) such as hardware including card readers and biometric readers to be attached to each unclassified computer system and special hardware for around 2,000 registered remote access users. Additionally, hardware, software, and personnel are necessary to maintain and administer a Certification Authority Capability 	-165 -3,869 +69 +479 +848 +94 +4,205 <hr style="width: 100%;"/>
Total Funding Change, Idaho Sitewide Safeguards and Security.....	+1,661

Capital Operating Expenses

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
General Plant Project	0	0	1,200
Capital Equipment	389	446	1,717
Total, Capital Operating Expenses	389	446	2,917

Program Direction
Funding Profile by Category

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Idaho Operations Office			
Salaries and Benefits	24,437	23,792	0
Travel	1,000	975	0
Support Services	870	847	0
Other Related Expenses	7,280	5,178	0
Total, Idaho Operations Office	33,587	30,792	0 ^a
Full Time Equivalents	203	197	0 ^a
Total Program Direction			
Salaries and Benefits	24,437	23,792	0
Travel	1,000	975	0
Support Services	870	847	0
Other Related Expenses	7,280	5,178	0
Total, Program Direction	33,587	30,792	0 ^a
Total, Full Time Equivalents	203 ^b	197	0 ^a

Mission

Program Direction provides the Federal staffing resources and associated costs required to provide overall direction and execution of the Office of Nuclear Energy, Science and Technology (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 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

^a Beginning in FY 2007, funding for Idaho Operations Office is requested under Energy Supply and Conservation.

^b This number represents actual FY 2005 FTE usage.

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.

As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. The Office of Nuclear Energy, Science and Technology performs critical functions which directly support the mission of the Department. These functions include: maintain, enhance, and safeguard the Nation's nuclear infrastructure capability - to meet the Nation's energy, environmental, medical research, space exploration, and national security needs.

Detailed Justification

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Salaries and Benefits	24,437	23,792	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. Idaho Operations Office currently has a staff of 203 associated with NE programs.			
Travel	1,000	975	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	870	847	0
Support Services includes funding for technical and management support services provided to Idaho Operations Office employees associated with NE programs.			
Other Related Expenses	7,280	5,178	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	33,587	30,792	0^a

^a Beginning in FY 2007, funding for Idaho Operating Office is requested under Energy Supply and Conservation.

Explanation of Funding Changes

FY 2007 vs. FY 2006 (\$000)

Salaries and Benefits

- The decrease of \$23,792,000 reflects the transfer of program direction activities from Other Defense Activities to Energy Supply and Conservation..... -23,792

Travel

- The decrease of \$975,000 reflects the transfer of program direction activities from Other Defense Activities to Energy Supply and Conservation..... -975

Support Services

- The decrease of \$847,000 reflects the transfer of program direction activities from Other Defense Activities to Energy Supply and Conservation..... -847

Other Related Expenses

- The decrease of \$5,178,000 reflects the transfer of program direction activities from Other Defense Activities to Energy Supply and Conservation..... -5,178

Total Funding Change, Program Direction..... -30,792

Support Services by Category

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Technical Support					
Surveys or Reviews of Technical Operations	870	847	0	-847	-100%
Total, Technical Support	870	847	0	-847	-100%
Total, Support Services.....	870	847	0	-847	-100%

Other Related Expenses by Category

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Other Related Expenses					
Working Capital Fund	1,284	0	0	0	0%
Operations and Maintenance of Equipment	600	605	0	-605	-100%
Printing and Reproduction	130	125	0	-125	-100%
Training	300	275	0	-275	-100%
Rent and Utilities	900	900	0	-900	-100%
Communications	2,045	1,902	0	-1,902	-100%
Supplies and Materials	65	65	0	-65	-100%
Other Services.....	1,956	1,306	0	-1,306	-100%
Total, Other Related Expenses	7,280	5,178	0	-5,178	-100%

Defense Related Administrative Support

Funding Schedule by Activity

(dollars in thousands)

	FY 2005	FY 2006	FY 2007
Defense Related Administrative Support	91,700	86,699	93,258

Description

From FY 1999 through 2006, 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 2007 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 PY	FY CY	FY BY
Defense Related Administrative Support.....	91,700	86,699	93.258

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 PY	FY CY	FY BY
-------	-------	-------

- 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 a new, integrated and user-friendly financial management system for the Department. The system 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.
- | | | | |
|---|---------------|---------------|---------------|
| Total, Defense Related Administrative Support..... | 91,700 | 86,699 | 93.258 |
|---|---------------|---------------|---------------|

Explanation of Funding Changes

FY 2007 vs.
FY 2006
(\$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 2007 funding represents 32.0% of the Departmental Administration appropriation administrative costs.....

Total Funding Change, Defense Related Administrative Support.....		+6,559
		+6,559

Other Defense Activities Office of Hearings and Appeals

Overview

Appropriation Summary by Program

(dollars in thousands)

	FY 2005 Current Appropriation	FY 2006 Original Appropriation	FY 2006 Adjustments	FY 2006 Current Appropriation	FY 2007 Request
Other Defense Activities					
Hearings and Appeals	4,283	4,353	-43 ^a	4,310	4,422
Total, Other Defense Activities	4,283	4,353	-43 ^a	4,310	4,422

Preface

The Department of Energy operates and supervises a great number of programs to further its National Defense and the Environmental Strategic Goals. Many of these programs seek to balance the interests of different and sometimes competing stakeholders. The Office of Hearings and Appeals (OHA) provides legal adjudicatory services for the Department’s programs so that these conflicting interests may be decided 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.

This Overview will describe Strategic Context, Mission, and Benefits. These items together put this Appropriation in perspective.

Strategic Context

Following publication of the Administration’s National Energy Policy, the Department developed a Strategic Plan that defines the mission, four strategic goals for accomplishing that mission, and seven general goals to support the strategic goals. As stated in the Departmental Strategic Plan, DOE’s Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission. OHA performs critical functions which directly support the mission of the Department. These functions include ensuring, through its role in conducting hearings in Personnel Security cases, that only trustworthy employees are allowed access to classified information or controlled nuclear materials. Likewise, in its supervision of Whistleblower hearings, OHA insures that the Department has a workplace where employee concerns about health and safety, fraud, waste, abuse or mismanagement may be freely expressed to DOE or contractor management without fear of retaliation. OHA’s role in deciding Appeals and Applications for Exceptions supports the Department in ensuring that relevant regulations and statutes are applied properly and without undue disruption to the private sector. This directly benefits the public and reduces the Department’s litigation costs in Federal courts.

^a Reflects a 1% rescission in accordance with P.L. 109-148, Department of Defense Appropriations Act, 2006.

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 as well as appeals requesting review of any determination reached by any official within the Department under OHA's jurisdiction.

As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission of the Department. OHA performs critical functions which directly support the mission. These functions include ensuring, through its role in conducting hearings in Personnel Security cases, that only trustworthy employees are allowed access to classified information or controlled nuclear materials. Likewise, in its supervision of Whistleblower hearings, OHA insures that the Department has a workplace where employee concerns about health and safety, fraud, waste, abuse or mismanagement may be freely expressed to DOE or contractor management without fear of retaliation. OHA's role in deciding Appeals and Applications for Exceptions supports the Department in ensuring that relevant regulations and statutes are applied properly and without undue disruption to the private sector. This directly benefits the public and reduces the Department's litigation costs in Federal courts.

Benefits

In its adjudicatory mission for the Department, OHA offers a fair, impartial and customer-friendly process in which firms and individuals may seek review of agency actions. OHA is also charged with conducting hearings in Personnel Security cases. OHA issues timely, high quality decisions in cases involving DOE personnel security clearance adjudications that ensure only trustworthy personnel are allowed access to classified information and special nuclear materials. Thus, OHA directly supports the Department's Defense Strategic Goal of helping ensure the security of the nuclear weapons stockpile.

OHA also conducts investigations and hearings concerning whistleblower complaints filed by DOE contractor employees and for issuing final agency decisions resolving them. In these cases, OHA strives to balance the public interest in promoting a workplace where concerns may be freely expressed without retaliation against the need of DOE contractors to manage their resources efficiently. This is especially important with regard to the Department's Environmental Strategic Goal to ensure that cleanup of the environmental legacy of the Cold War is effectively performed.

OHA also analyzes and decides appeals requesting review of any determination reached by any other official within the Department under the jurisdiction of the Secretary, including initial determinations under the Freedom of Information Act, the Privacy Act, the payments-equal-to-taxes (PETT) provisions of the Nuclear Waste Policy Act of 1982, the special assessment provisions for the Uranium Enrichment Decontamination and Decommissioning Fund under the Energy Policy Act of 1992, and the reimbursement of costs of remedial actions at active uranium or thorium processing sites under the Energy Policy Act of 1992. OHA is responsible for deciding Applications for Exception from the generally applicable requirements of a rule, regulation or order of the Department. The Office also analyzes Petitions for Special Redress seeking "extraordinary relief" apart from or in addition to any other remedy provided in the Department's enabling statutes. By ensuring that the Department properly applies relevant regulations and statutes to affected parties, OHA directly benefits the public and saves the Department litigation expenses in federal courts.

Under proposed regulations, pursuant to the Bob Stump National Defense Authorization Act for FY2003, OHA has been designated as the appeal authority for contractors who have been found to violate the contractor's DOE-approved worker safety and health program. When implemented, OHA will further contribute to the Department's Environmental Strategic Goal.

Annual Performance Results and Targets^a

FY 2002 Results	FY 2003 Results	FY 2004 Results	FY 2005 Results	FY 2006 Targets	FY 2007 Targets
				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.

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

Program Direction

Funding Profile by Category

	(dollars in thousands/whole FTEs)		
	FY 2005	FY 2006	FY 2007
Headquarters			
Salaries and Benefits.....	3,193	3,236	3,310
Travel.....	90	90	90
Support Services.....	100	100	233
Other Related Expense.....	900	884	789
Total, Headquarters.....	4,283	4,310	4,422
Full Time Equivalents.....	23	23	25

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 as well as appeals requesting review of any determination reached by any official within the Department under OHA's jurisdiction.

As stated in the Departmental Strategic Plan, DOE's Strategic and General Goals will be accomplished not only through the efforts of the major program offices in the Department but with additional effort from offices which support the programs in carrying out the mission of the Department. OHA performs critical functions which directly support the mission. These functions include ensuring, through its role in conducting hearings in Personnel Security cases, that only trustworthy employees are allowed access to classified information or controlled nuclear materials. Likewise, in its supervision of Whistleblower hearings, OHA insures that the Department has a workplace where employee concerns about health and safety, fraud, waste, abuse or mismanagement may be freely expressed to DOE or contractor management without fear of retaliation. OHA's role in deciding Appeals and Applications for Exceptions supports the Department in ensuring that relevant regulations and statutes are applied properly and without undue disruption to the private sector. This directly benefits the public and reduces the Department's litigation costs in Federal courts.

Detailed Justification

	(dollars in thousands)		
	FY 2005	FY 2006	FY 2007
Salaries and Benefits	3,193	3,236	3,310

Funding supports 25 FTEs in FY 2007 including costs for pay raises and promotions. OHA staff provides hearing officers and decisions in a wide variety of matters, such as security clearance and whistleblower cases.

Travel	90	90	90
For transportation to DOE field sites to conduct hearings on security clearance and whistleblower cases.			
Support Services	100	100	233
Funding for support of OHA's computer information system and maintaining OHA's internet presence, including rapid public access to all of the office's published decisions. OHA utilizes computer information systems to improve management and promote efficient use of resources, and it promptly (within 24 hours) publishes OHA decisions and findings on its publicly accessible, customer-friendly and increasingly visited website. With OHA's (HG) Information Management (IM) Infrastructure System, OHA funds contractor support including eXCITE to maintain its computer systems and other hardware. This System also supports expenses associated with Local Area Network lines and other associated IM costs charged through the Working Capital Fund.			
Other Related Expenses	900	884	789
This category includes funding for employee training and charges by the Working Capital Fund for base services: rent, utilities, telephone, supplies, postage, building operations, photocopies, STARS, telecommunications, printing (including publication of federal register notices, and printing of decisions). OHA also pays for certain services directly, including timesharing (Westlaw) and purchases of computer equipment and software.			
Total, Program Direction	4,283	4,310	4,422

Explanation of Funding Changes

FY BY vs. FY CY (\$000)

Salaries and Benefits

FY 2007 funding change increase includes pay raises, promotions for 25 FTEs. +74

Travel..... +0,000

Support Services

FY 2007 funding change for increased expenses of eXCITE program, and other associated costs charged through Working Capital Fund. +133

Other Related Expenses

Decrease in FY 2007 funding for reductions in costs associated with the Working Capital Fund for services such as rent, building operations, STARS and other associated costs..... -95

Total Funding Change, Program Direction..... +112

Support Services by Category

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Management Support					
Automated Data Processing	100	100	233	+133	+133.0%
Total, Support Services.....	100	100	233	+133	+133.0%

Other Related Expenses by Category

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Other Related Expenses					
Working Capital Fund	880	864	769	-95	-11.0%
Printing and Reproduction	20	20	20	0	0.0%
Total, Other Related Expenses	900	883	789	-94	-11.0%

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
- Information Management
- 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 2005	FY 2006	FY 2007	\$ Change	% Change
Field Security					
Science.....	72,773	73,630	76,592	+2,962	+4.0%
National Nuclear Security Administration.....	743,929	789,751	746,412	-43,339	-5.5%
Environmental Management.....	262,942	284,357	295,840	+11,483	+4.0%
Nuclear Energy.....	57,662	74,288	75,949	+1,661	+2.2%
Subtotal, Field Security.....	1,137,306	1,222,026	1,194,793	-27,233	-2.2%
Headquarters Security					
Security & Safety Performance Assurance (SSA)					
Nuclear Safeguards and Security.....	193,794	185,009	182,548	-2,461	-1.3%
Security Investigations.....	44,561	46,258	40,000	-6,258	-13.5%
Program Direction.....	82,235	72,757	75,949	+3,192	+4.4%
Subtotal, SSA.....	320,590	304,024	298,497	-5,527	-1.8%
Information Management (CIO Cyber).....	24,733	24,575	38,182	+13,607	+55.4%
Physical Security (NNSA).....	8,000	8,000	8,000	0	0.0%
Subtotal, Headquarters Security.....	353,323	336,599	344,679	+8,080	+2.4%
Subtotal, Safeguards and Security.....	1,490,629	1,558,625	1,539,472	-19,153	-1.2%
Security charge against reimbursable work.....	-38,608	-40,608	-41,608	-1,000	+2.5%
Total, Safeguards and Security.....	1,452,021	1,518,017	1,497,864	-20,153	-1.3%

Funding Profile

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Field Security					
Protective Forces/Transportation.....	578,579	646,847	660,902	+14,055	+2.2%
Security Systems.....	127,620	127,893	141,170	+13,277	+10.4%
Information Security.....	38,248	34,118	36,489	+2,371	+6.9%
Cyber Security.....	125,946	117,304	122,821	+5,517	+4.7%
Personnel Security.....	41,281	42,861	45,123	+2,262	+5.3%
Material Control and Accountability.....	45,432	44,045	44,898	+853	+1.9%
Program Management.....	143,492	168,368	143,390	-24,978	-14.8%
Construction (NNSA).....	36,708	40,590	0	-40,590	-100.0%
Subtotal, Field Security.....	1,137,306	1,222,026	1,194,793	-27,233	-2.2%
Charge for Reimbursable Work.....	-38,608	-40,608	-41,608	-1,000	+2.5%
Subtotal, Field Security.....	1,098,698	1,181,418	1,153,185	-28,233	-2.4%
Headquarters Security					
Security & Safety Performance Assurance (SSA)					
Nuclear Safeguards and Security.....	193,794	185,009	182,548	-2,461	-1.3%
Security Investigations.....	44,561	46,258	40,000	-6,258	-13.5%
Program Direction.....	82,235	72,757	75,949	+3,192	+4.4%
Subtotal, SSA.....	320,590	304,024	298,497	-5,527	-1.8%
Information Management (CIO Cyber).....	24,733	24,575	38,182	+13,607	+55.4%
Physical Security(NNSA).....	8,000	8,000	8,000	0	0.0%
Subtotal, Headquarters.....	353,323	336,599	344,679	+8,080	+2.4%
Total Safeguards and Security.....	1,452,021	1,518,017	1,497,864	-20,153	-1.3%

**Other Defense Activities/Security
Safeguards and Security Crosscut**

FY 2007 Congressional Budget

Protective Forces

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.

Funding Schedule

	(dollars in thousands)				
	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Protective Forces					
Science.....	27,485	29,010	33,050	+4,040	+13.9%
National Nuclear Security Administration.....	370,980	420,373	428,528	+8,155	+1.9%
Environmental Management.....	146,096	154,799	156,824	+2,025	+1.3%
Nuclear Energy.....	34,018	42,665	42,500	-165	-0.4%
Total, Protective Forces	578,579	646,847	660,902	+14,055	+2.2%

Security Systems

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.

Funding Schedule

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Security Systems					
Science.....	10,495	11,030	6,615	-4,415	-40.0%
National Nuclear Security Administration.....	72,193	53,696	64,000	+10,304	+19.2%
Environmental Management.....	36,484	47,206	58,463	+11,257	+23.8%
Nuclear Energy.....	8,448	15,961	12,092	-3,869	-24.2%
Total, Security Systems	127,620	127,893	141,170	+13,277	+10.4%

Information Security

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.

Funding Schedule

	(dollars in thousands)				
Information Security	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Science	3,403	3,331	3,331	0	0.0%
National Nuclear Security Administration.....	25,477	21,398	25,145	+3,747	+17.5%
Environmental Management.....	7,078	7,232	5,787	-1,445	-20.0%
Nuclear Energy.....	2,290	2,157	2,226	+69	+3.2%
Total, Information Security.....	38,248	34,118	36,489	+2,371	+6.9%

Cyber Security

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.

Funding Schedule

(dollars in thousands)

	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Cyber Security					
Science.....	15,708	15,415	18,070	+2,655	+17.2%
National Nuclear Security Administration....	99,248	90,471	88,711	-1,760	-1.9%
Environmental Management.....	5,878	6,023	6,440	+417	+6.9%
Nuclear Energy.....	5,112	5,395	9,600	+4,205	+77.9%
Total, Cyber Security.....	125,946	117,304	122,821	+5,517	+4.7%

Personnel Security

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.

Funding Schedule

	(dollars in thousands)				
Personnel Security	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Science.....	4,961	5,246	5,725	+479	+9.1%
National Nuclear Security Administration.....	25,555	27,041	28,200	+1,159	+4.3%
Environmental Management.....	8,932	8,655	8,800	+145	+1.7%
Nuclear Energy.....	1,833	1,919	2,398	+479	+25.0%
Total, Personnel Security	41,281	42,861	45,123	+2,262	+5.3%

Material Control and Accountability

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.

Funding Schedule

(dollars in thousands)					
Material Control and Accountability	FY 2005	FY 2006	FY 2007	\$ Change	%Change
Science.....	2,363	2,385	2,341	-44	-1.8%
National Nuclear Security Administration.....	27,018	26,889	27,940	+1,051	+3.9%
Environmental Management.....	12,459	10,718	9,716	-1,002	-9.3%
Nuclear Energy.....	3,592	4,053	4,901	+848	+20.9%
Total, Material Control and Accountability.....	45,432	44,045	44,898	+853	+1.9%

Program Management

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.

Funding Schedule

(dollars in thousands)

Program Management	FY 2005	FY 2006	FY 2007	\$ Change	% Change
Science	8,358	7,213	7,460	+247	+3.4%
National Nuclear Security Administration.....	86,750	109,293	83,888	-25,405	-23.2%
Environmental Management.....	46,015	49,724	49,810	+86	+0.2%
Nuclear Energy	2,369	2,138	2,232	+94	+4.4%
Total, Program Management.....	143,492	168,368	143,390	-24,978	-14.8%