

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
- 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:

Protective Forces

Provides for the protection of Special Nuclear Materials, information, employees, and government property from theft, diversion, sabotage, and malicious destruction.

Security Systems

Addresses access control and interior/exterior intrusion detection systems.

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.

Cyber Security

Assures effective and efficient protection of computer and technical resources.

Personnel Security

Other Defense Activities/Security
Safeguards and Security Crosscut

FY 2004 Congressional Budget

Supports activities associated with the clearance program.

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.

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. The Office of Security acquired the Emergency Management area of the Office of Emergency Operations. Beginning in FY 2004, the safeguards and security programs at the Idaho National Engineering and Environmental Laboratory and the Argonne National Laboratory – West will be integrated into a single sitewide Idaho Safeguards and Security program under Nuclear Energy.

Funding by Site

	(dollars in thousands)				
	FY 2002	FY 2003	FY 2004	\$ Change	% Change
Field Security					
Science.....	50,230	48,127	48,127	+0	+0.0%
National Nuclear Security Administration.....	554,436	509,954	585,750	+75,796	+14.9%
Environmental Management.....	244,361	221,614	299,977	+78,363	+35.4%
Nuclear Energy.....	43,759	43,218	56,654	+13,436	+31.1%
Total, Field Security.....	892,786	822,913	990,508	+167,595	+20.4%
Information Management.....	31,261	32,927	38,167	+5,240	+15.9%
Security					
Nuclear Safeguards and Security.....	93,218	98,784	104,713	+5,929	+6.0%
Security Investigations.....	44,927	45,870	54,554	+8,684	+18.9%
Program Direction.....	45,736	52,046	52,490	+444	+0.9%
Total, Security.....	183,881	196,700	211,757	+15,057	+7.7%
Subtotal, Safeguards and Security.....	1,107,928	1,052,540	1,240,432	+187,892	+17.9%
Security charge against reimbursable work...	-38,771	-38,427	-38,427	+0	+0.0%
Total, Safeguards and Security.....	1,069,157	1,014,113	1,202,005	+187,892	+18.5%

Funding Profile

	(dollars in thousands)				
	FY 2002	FY 2003	FY 2004	\$Change	%Change
Field Security					
Protective Forces.....	483,905	442,125	540,599	+98,474	+22.3%
Security Systems.....	90,891	89,969	111,535	+21,566	+24.0%
Information Security.....	32,584	28,678	33,429	+4,751	+16.6%
Cyber Security.....	109,664	88,786	107,738	+18,952	+21.3%
Personnel Security.....	32,589	30,742	34,319	+3,577	+11.6%
Material Control and Accountability.....	44,666	38,520	49,721	+11,201	+29.1%
Program Management.....	88,887	95,193	109,484	+14,291	+15.0%
Subtotal, Field Security	883,186	814,013	986,825	+172,812	+21.2%
Construction.....	+9,600	+8,900	+3,683	-5,217	-58.6%
Subtotal, Field Security	892,786	822,913	990,508	+167,595	+20.4%
Charge for Reimbursable Work.....	-38,059	-37,715	-37,715	+0	+0.0%
Total, Field Security.....	854,727	785,198	952,793	+167,595	+21.3%

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 the salaries, wages and benefits for personnel; have proper management and supervision; sufficient quantities of well maintained and logically deployed equipment and facilities to ensure effective performance of their 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 myriad 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 2002	FY 2003	FY 2004	\$ Change	% Change
Protective Forces					
Science.....	23,085	22,345	22,345	+0	+0.0%
National Nuclear Security Administration..	297,478	277,313	330,791	+53,478	+19.3%
Environmental Management.....	138,325	117,851	155,737	+37,886	+32.1%
Nuclear Energy.....	25,017	24,616	31,726	+7,110	+28.8%
Total, Protective Forces	483,905	442,125	540,599	+98,474	+22.3%

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.

The Security Systems programs support DOE-wide efforts required to conduct performance assurance testing. The 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 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 2002	FY 2003	FY 2004	\$ Change	% Change
Security Systems					
Science.....	8,314	4,532	4,532	+0	+0.0%
National Nuclear Security Administration...	51,014	55,489	54,018	-1,471	-2.7%
Environmental Management.....	22,722	21,764	41,603	+19,839	+91.2%
Nuclear Energy.....	8,841	8,184	11,382	+3,198	+39.1%
Total, Security Systems	90,891	89,969	111,535	+21,566	+24.0%

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 put in place plans, policies, and procedures 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)

	FY 2002	FY 2003	FY 2004	\$ Change	% Change
Information Security					
Science	1,023	1,000	1,000	+0	+0.0%
National Nuclear Security Administration...	20,078	15,127	18,922	+3,795	+25.1%
Environmental Management.....	9,878	10,964	11,657	+693	+6.3%
Nuclear Energy.....	1,605	1,587	1,850	+263	+16.6%
Total, Information Security.....	32,584	28,678	33,429	+4,751	+16.6%

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 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 2002	FY 2003	FY 2004	\$ Change	% Change
Cyber Security					
Science.....	10,265	11,714	11,714	+0	+0.0%
National Nuclear Security Administration.	88,000	66,150	80,101	+13,951	+21.1%
Environmental Management.....	8,354	7,718	10,897	+3,179	+41.2%
Nuclear Energy.....	3,045	3,204	5,026	+1,822	+56.9%
Total, Cyber Security.....	109,664	88,786	107,738	+18,952	+21.3%

Personnel Security

Mission

The mission of Personnel Security is to support the clearance 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 clearance 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 clearances. (2) Provides security awareness and education. (3) Determines operating and maintenance estimates associated with classified/unclassified visits and assignments by foreign nationals.

Funding Schedule

(dollars in thousands)

Personnel Security	FY 2002	FY 2003	FY 2004	\$ Change	% Change
Science.....	1,831	2,576	2,576	+0	+0.0%
National Nuclear Security Administration...	19,658	16,889	17,107	+218	+1.3%
Environmental Management.....	9,576	9,670	12,774	+3,104	+32.1%
Nuclear Energy.....	1,524	1,607	1,862	+255	+15.9%
Total, Personnel Security	32,589	30,742	34,319	+3,577	+11.6%

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) Assess 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) Performance testing 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 2002	FY 2003	FY 2004	\$ Change	%Change
Science.....	2,031	2,676	2,676	+0	+0.0%
National Nuclear Security Administration.....	25,290	19,637	26,796	+7,159	+36.5%
Environmental Management.....	14,815	13,671	17,420	+3,749	+27.4%
Nuclear Energy.....	2,530	2,536	2,829	+293	+11.6%
Total, Material Control and Accountability.....	44,666	38,520	49,721	+11,201	+29.1%

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, the programs ensure that plans are developed and revised accurately in accordance with DOE Orders, professional and technical training is administered, and goals and objectives of the Office of Security are implemented complex wide.

The programs develop S&S Plans or other applicable security plans, understand and implement S&S requirements, conduct surveys to determine whether S&S requirements have been implemented, understand national and local threats and perform a vulnerability analysis that indicates whether or not the S&S assets are at risk or not. Program Management includes participation in the Quality Panel process which raise issues from the field to the headquarters managers and ensures that the staff are properly educated with respect to security matters.

Funding Schedule

(dollars in thousands)

Program Management	FY 2002	FY 2003	FY 2004	\$ Change	% Change
Science	3,681	3,284	3,284	+0	+0.0%
National Nuclear Security Administration.....	43,318	50,449	54,332	+3,883	+7.7%
Environmental Management.....	40,691	39,976	49,889	+9,913	+24.8%
Nuclear Energy	1,197	1,484	1,979	+495	+33.4%
Total, Program Management.....	88,887	95,193	109,484	+14,291	+15.0%