Safeguards and Security

Program Mission

The mission of the Office of Science (SC) Safeguards and Security program is to ensure appropriate levels of protection against: unauthorized access, theft, diversion, loss of custody, or destruction of Department of Energy (DOE) assets and hostile acts that may cause adverse impacts on fundamental science, national security or the health and safety of DOE and contractor employees, the public or the environment. Each site has a tailored protection program as analyzed and defined in each site's Security Plan (SP) or other appropriate plan.

Security at SC sites is primarily focused on the protection of the DOE personnel, facilities, and equipment. Security interests include multi-million dollar, world-class research and development equipment and facilities, technical and administrative buildings, warehouses, and maintenance facilities. While some sites perform national security activities, the nature of the work typically involves limited issuance of individual security clearances and minimal classified information or material. Very small amounts of nuclear material are stored at a majority of sites. Particular emphasis is placed upon cyber security to provide hardware, software, communication, and data protection.

Protection policies, procedures, and operations at SC sites are equivalent to or greater than the level of security at university research facilities or private sector/commercial industrial facilities. The majority of these sites are located in a college campus-style setting with security assuming a low visibility posture. Site protective forces are generally unarmed and consist of less than 20 personnel. These security officers are utilized in stationary guard posts and mobile security patrols within the confines of the sites. Use is made of security fences, barriers, lighting, intrusion detection systems, and closed-circuit television.

Program Goal

The goal of the Office of Science Safeguards and Security program is to provide appropriate protection of research facilities and property, personnel, information and nuclear materials in a technically sound and cost-effective manner.

Program Objectives

- To provide laboratories and research facilities with adequate safeguards and security measures.

- To provide levels of protection in a tailored manner in accordance with potential risks.

- To correct any identified safeguards and security inadequacies.

- To anticipate evolving threats and provide protective measures.

- To maintain a balance between security and SC research mission.

The following is a brief description of the type of activities performed:

Physical Protection Protective Forces

The Physical Protection Protective Forces activity provides for security guards, management, and or supervision, training and equipment needed for effective performance of protection tasks during normal and emergency conditions.

Physical Security Protective Systems

The Physical Security Protective Systems activity provides for equipment to protect vital security interests and government property per the local threat. Equipment and hardware includes fences, barriers, lighting, sensors, entry control devices, etc. This hardware and equipment is generally operated and used to support the protective guard mission as well.

Information Security

The Information Security activity ensures that materials and documents, that may contain sensitive or classified information, are accurately and consistently identified, properly reviewed for content, appropriately marked and protected from unauthorized disclosure, and ultimately destroyed in an appropriate manner.

Cyber Security

The Cyber Security activity ensures that sensitive and classified information that is electronically processed or transmitted is properly identified, protected, and tested and that all electronic systems have an appropriate level of infrastructure reliability and integrity.

Personnel Security

The Personnel Security activity includes clearance program, security education and awareness for employees, and visitor control. This is accomplished through initial and termination briefings, re-orientations, computer based training, special workshops, publications, signs, and posters.

Material Control and Accountability

The Material Control and Accountability activity provides for the control and accountability of special nuclear materials, including training and development for assessing the amounts of material involved in packaged items, process systems and wastes. Additionally, this activity documents that a theft, diversion or operational loss of special nuclear material has not occurred. Also included is on-site and off-site transport of special nuclear materials in accordance with mission, environmental and safety requirements.

Program Management

The Program Management activity includes the development and updating of security plans, assessments and approvals to determine if assets are at risk, and policy oversight. Also encompassed are contractor management and administration, planning and integration of security activities into facility operations.

Significant Accomplishments and Program Shifts

Beginning in FY 2001, Safeguards and Security activities are direct funded in the "Science" appropriation. Previously these activities were generally funded as a site overhead function. For FY 2001, the Department submitted an amended budget request to consolidate and direct fund safeguards and security in the Office of Security and Emergency Operations. Congress directed that the direct responsibility for safeguards and security must be united and integrated with the responsibility of line operations. This FY 2002 request directly funds safeguards and security activities in accordance with congressional guidance. Increased program emphasis is being provided to cyber security commensurate with increased threats and technology advances.

Funding Profile

	FY 2000 Comparable Appropriation	FY 2001 Original Appropriation	FY 2001 Adjustments	FY 2001 Comparable Appropriation	FY 2002 Request
Science Safeguards and Security					
Protective Forces	22,609	22,211	-60	22,151	26,540
Security Systems	3,725	4,786	-13	4,773	6,956
Transportation.............................	0	262	-262 [a]	0	0
Information Security	696	694	-3	691	940
Cyber Security	5,523	6,450	-16	6,434	10,364
Personnel Security	1,733	1,705	-4	1,701	2,202
Material Control and Accountability	5,083	2,307	+255	2,562	3,169
Program Management	3,200	3,265	-8	3,257	5,241
Program Direction	0	13,260	-13,260	0	0
Subtotal, Science Safeguards and Security..	42,569	54,940	-13,371	41,569	55,412
Less Security Charge for Reimbursable Work	-5,266	-5,122	0	-5,122	-4,912
Subtotal, Science Safeguards and Security..	37,303	49,818	-13,371	36,447	50,500
Omnibus Rescission....................	0	-110	110	0	0
Total, Science Safeguards and Security..	37,303	49,708	-13,261 [b]	36,447	50,500

Public Law Authorization:
Public Law 95-91, "Department of Energy Organization Act"
Public Law 103-62, "Government Performance and Results Act of 1993"

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[a] Funding in the amount of $262,000 is transferred from Transportation to Material Control and Accountability.

[b] Excludes $13,261,000 in FY 2001 transferred to other DOE programs in FY 2002 for program direction related safeguards and security activities.

Funding By Site

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Chicago Operations Office					
Ames Laboratory	254	264	397	+133	+50.4%
Argonne National Laboratory	10,678	11,807	15,355	+3,548	+30.0%
Brookhaven National Laboratory	9,585	9,428	10,986	+1,558	+16.5%
Fermi National Accelerator Laboratory	2,294	2,490	2,765	+275	+11.0%
Princeton Plasma Physics Laboratory	1,680	1,735	1,829	+94	+5.4%
Total, Chicago Operations Office.....................	24,491	25,724	31,332	+5,608	+21.8%
Oakland Operations Office					
Lawrence Berkeley National Laboratory	3,612	3,492	4,709	+1,217	+34.9%
Stanford Linear Accelerator Center	1,774	1,814	2,152	+338	+18.6%
Oakland Operations Office	2,478	0	0	0	0.0%
Total, Oakland Operations Office	7,864	5,306	6,861	+1,555	+29.3%
Oak Ridge Operations Office					
Oak Ridge Inst. for Science & Education ...	764	885	1,248	+363	+41.0%
Oak Ridge National Laboratory	8,970	9,162	15,024	+5,862	+64.0%
Thomas Jefferson National Accelerator Facility	480	492	947	+455	+92.5%
Total, Oak Ridge Operations Office	10,214	10,539	17,219	+6,680	+63.4%
Total, Science Safeguards and Security	42,569	41,569	55,412	+13,843	+33.3%
Less Security Charge for Reimbursable Work ...	-5,266	-5,122	-4,912	+210	+4.1%
Total, Science Safeguards and Security	37,303	36,447	50,500	+14,053	+38.6%

Site Description

Safeguards and Security activities are conducted to meet the requirements of the following program elements: Physical Protection Protective Forces, Physical Security Protective Systems, Information Security, Cyber Security, Personnel Security, Material Control and Accountability, and Program Management. A summary level description of each activity is provided in the preceding Program Mission narrative. These activities ensure adequate protection for DOE security interests.

The attainment of the Safeguards and Security program goals and objectives are measured by progress made towards established performance measures. The technical excellence of the field security program is continually re-evaluated through field and Headquarters reviews. **Performance will be measured** at all sites by accomplishing the following:

- SC will prevent 99% of all unauthorized intrusions to systems that process sensitive unclassified information.

- Physical Security Systems will prevent all unauthorized access to security areas at SC labs.

- Protective Forces will prevent all unauthorized access to security areas at SC labs.

Detailed Program Justification

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
Ames Laboratory	**254**	**264**	**397**

The Ames Laboratory Safeguards and Security program coordinates planning, policy, implementation and oversight in the areas of physical security, protective forces, personnel security, material control and accountability and cyber security. Access control management, maintaining uninterrupted power supply systems, and investigating and reporting incidents are also critical ongoing efforts. A protective force to protect Ames Laboratory and DOE assets is maintained. Ames actively carries out ongoing efforts to install and maintain cyber security software, hardware, and system configurations within the Ames Laboratory network, that is receiving increased attention (+110,000). The nuclear materials control program prevents or deters the loss or misuse of nuclear materials. Reimbursable work is included in the numbers above. The amount for FY 2002 is $34,000.

Argonne National Laboratory	**10,678**	**11,807**	**15,355**

The Argonne National Laboratory Safeguards and Security program provides protection of nuclear materials, classified matter, government property, and other vital assets from unauthorized access, theft, diversion, sabotage, espionage, or other hostile acts that may cause risks to national security or the health and safety of DOE and contractor employees, the public, or the environment. Program activities include physical security (+795,000), material control and accountability, operational security, transportation safeguards, information and cyber security (that is receiving increased emphasis) (+856,000), physical security, and personnel security. In addition, a protective force is maintained. These activities ensure that the facility, personnel, and assets remain safe from potential threats. Reimbursable work is included in the numbers above. The amount for FY 2002 is $840,000.

	(dollars in thousands)		
	FY 2000	FY 2001	FY 2002

Brookhaven National Laboratory **9,585**   **9,428**   **10,986**

Brookhaven National Laboratory (BNL) Safeguards and Security program activities are focused on information security, cyber security, physical security, and material control and accountability. Information security pertains primarily to information protection and declassification/classification activities. Cyber security efforts are focused on unclassified and classified computer security and cyber infrastructure, that is receiving increased attention (+174,000). BNL operates a transportation division to move special nuclear materials around the site. The personnel security program focuses on badging and clearance investigations. Material control and accountability efforts focus on accurately accounting for and protecting the sites special nuclear materials. In addition, protective forces (+1,018,000) are employed to ensure the protection of the Laboratory and national assets. Reimbursable work is included in the numbers above. The amount for FY 2002 is $806,000.

Fermi National Accelerator Laboratory **2,294**   **2,490**   **2,765**

Fermi National Accelerator Laboratory Safeguards and Security program efforts are directed at maintaining protective force staffing and operations to protect personnel and the facility as well as continue cyber security, physical security, and a material control and accountability program to accurately account for and protect the facilities special nuclear materials. Both cyber security (+269,000) and protective force (+5,000) are receiving increased attention.

Lawrence Berkeley National Laboratory **3,612**   **3,492**   **4,709**

The Lawrence Berkeley National Laboratory Safeguards and Security program provides physical protection of personnel and laboratory facilities. This is accomplished with protective forces, cyber security, personnel security and material control and accountability. Access controls utilizing physical security upgrades (+464,000), cyber security (+434,000) and protective forces are receiving increased attention. Reimbursable work is included in the numbers above. The amount for FY 2002 is $830,000.

Oakland Operations Office **2,478**   **0**   **0**

This activity provides for direct funded material control and accountability functions in FY 2000 only. Funding responsibility transferred to NNSA in FY 2001; in accord with DOE realignment of responsibilities.

Oak Ridge Institute for Science and Education............. **764**   **885**   **1,248**

The Oak Ridge Institute for Science and Education (ORISE) Safeguards and Security program provides physical protection/protective force services by employing unarmed security officers. The facilities are designated as property protection areas for the purpose of protecting government owned assets. In addition to the government owned facilities and personal property, ORISE possesses small quantities of nuclear materials that must be protected. The program includes information security, personnel security, protective forces, physical security, and cyber security. Cyber security (+188,000) and protective forces (+75,000) are receiving increased attention. Reimbursable work is included in the numbers above. The amount for FY 2002 is $319,000.

Oak Ridge National Laboratory **8,970**   **9,162**   **15,024**

The Oak Ridge National Laboratory (ORNL) Safeguards and Security program includes protective forces, physical security systems, information security, cyber security, personnel security, material

control and accountability, and program management. Program planning functions at the Laboratory provide for short and long range strategic planning, and special safeguards plans associated with both day-to-day protection of site-wide security interests and preparation for contingency operations. Additionally, ORNL is responsible for provision of overall Laboratory policy direction and oversight in the security arena, for conducting recurring programmatic self-assessments; for assuring a viable ORNL Foreign Ownership, Control or Influence (FOCI) program is in place; and for identifying, or tracking, and obtaining closure on findings or deficiencies noted during inspections, surveys, or assessments of safeguards and security programs. Increased attention is being given to protective forces (+2,372,000), security systems (+712,000), and cyber security (+1,413,000). Reimbursable work is included in the numbers above. The amount for FY 2002 is $1,945,000.

	FY 2000	FY 2001	FY 2002
Princeton Plasma Physics Laboratory	**1,680**	**1,735**	**1,829**

The Princeton Plasma Physics Laboratory Safeguards and Security program provides for protection of nuclear materials, government property, and other vital assets from unauthorized access, theft, diversion, sabotage, or other hostile acts. These activities result in reduced risk to national security and the health and safety of DOE and contractor employees, the public, and the environment. Efforts are primarily focused on cyber security (+61,000) and protective forces (+30,000).   Reimbursable work is included in the numbers above. The amount for FY 2002 is $54,000.

	FY 2000	FY 2001	FY 2002
Stanford Linear Accelerator Center.................................	**1,774**	**1,814**	**2,152**

The Stanford Linear Accelerator Center Safeguards and Security program focuses on reducing the threat to DOE national facilities and assets. The program consists primarily of physical protection protective forces and cyber security program elements. Increased attention is being given to cyber security (+271,000). Reimbursable work is included in the numbers above. The amount for FY 2002 is $84,000.

	FY 2000	FY 2001	FY 2002
Thomas Jefferson National Accelerator Facility	**480**	**492**	**947**

Thomas Jefferson National Accelerator Facility has a guard force which provides 24-hour services for the accelerator site and after-hours property protection security for the entire site. There is increased funding for electronic card access. Increased attention has been given to the Security Program Management (+144,000). Additionally, the security program provides for cyber security protection (that is receiving increased attention) (+154,000), and recording of after-hours personnel accessing the site (+115,000).

	FY 2000	FY 2001	FY 2002
Subtotal, Science Safeguards and Security......................	**42,569**	**41,569**	**55,412**
Less Security Charge for Reimbursable Work	**-5,266**	**-5,122**	**-4,912**
Total, Science Safeguards and Security	**37,303**	**36,447**	**50,500**

Detailed Funding Profile

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Ames Laboratory					
Protective Forces					
Salaries, Wages, and Benefits	94	98	111	+13	+13.3%
Training...	1	1	1	0	0.0%
Other	28	28	28	0	0.0%
Total, Protective Forces......................................	123	127	140	+13	+10.2%
Security Systems					
Physical Security	23	24	26	+2	+8.3%
Cyber Security					
Unclassified Computer Security	6	6	129	+123	+2,050.0%
Communications Security...................................	18	19	6	-13	-68.4%
Total, Cyber Security...	24	25	135	+110	+440.0%
Personnel Security					
Clearance Program and Visit Control	36	38	42	+4	+10.5%
Material Control and Accountability					
Material Control and Accounting	6	6	6	0	0.0%
Program Management					
Planning...	11	12	12	0	0.0%
Professional Training and Development	7	7	7	0	0.0%
Policy Oversight and Administration	24	25	29	+4	+16.0%
Total, Program Management.................................	42	44	48	+4	+9.1%
Total, Ames Laboratory...	254	264	397	+133	+50.4%
Argonne National Laboratory					
Protective Forces					
Salaries, Wages, and Benefits	5,321	5,066	5,631	+565	+11.2%
Training...	50	50	50	0	0.0%
Other	827	825	827	+2	+0.2%
Total, Protective Forces......................................	6,198	5,941	6,508	+567	+9.5%

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Security Systems					
Physical Security..	554	1,921	2,716	+795	+41.4%
Explosive Detection	65	65	65	0	0.0%
Escorts..	4	4	4	0	0.0%
Total, Security Systems.......................................	623	1,990	2,785	+795	+39.9%
Information Security					
Information Protection	164	163	182	+19	+11.7%
Declassification/Classification	44	44	56	+12	+27.3%
Information Assurance	16	16	16	0	0.0%
Technical Surveillance Countermeasures	21	21	16	-5	-23.8%
Operations Security	93	93	88	-5	-5.4%
Total, Information Security	338	337	358	+21	+6.2%
Cyber Security					
Unclassified Computer Security	309	316	838	+522	+165.2%
Classified Computer Security.............................	29	37	70	+33	+89.2%
Communications Security...................................	0	6	6	0	0.0%
TEMPEST..	1	4	8	+4	+100.0%
Cyber Infrastructure	697	701	998	+297	+42.4%
Total, Cyber Security...	1,036	1,064	1,920	+856	+80.5%
Personnel Security					
Clearance Program and Visit Control	516	514	548	+34	+6.6%
Security Awareness Program.............................	69	69	69	0	0.0%
Total, Personnel Security.....................................	585	583	617	+34	+5.8%
Material Control and Accountability					
Material Control and Accounting	1,159	1,155	1,234	+79	+6.8%
Transportation	124	124	124	0	0.0%
Total, Material Control and Accountability	1,283	1,279	1,358	+79	+6.2%
Program Management					
Planning..	158	158	737	+579	+366.5%
Professional Training and Development	90	90	90	0	0.0%
Policy Oversight and Administration	367	365	982	+617	+169.0%
Total, Program Management.................................	615	613	1,809	+1,196	+195.1%
Total, Argonne National Laboratory	10,678	11,807	15,355	+3,548	+30.0%

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
				(dollars in thousands)	

Brookhaven National Laboratory
Protective Forces

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Salaries, Wages, and Benefits	5,225	4,811	5,667	+856	+17.8%
Training..	112	105	109	+4	+3.8%
Other	336	315	473	+158	+50.2%
Total, Protective Forces.......................................	5,673	5,231	6,249	+1,018	+19.5%
Security Systems					
Physical Security	1,323	943	1,052	+109	+11.6%
Explosive Detection	19	20	0	-20	-100.0%
Escorts...	19	20	0	-20	-100.0%
Total, Security Systems......................................	1,361	983	1,052	+69	+7.0%
Information Security					
Information Protection	116	98	115	+17	+17.3%
Declassification/Classification	17	14	15	+1	+7.1%
Information Assurance	8	7	37	+30	+428.6%
Technical Surveillance Countermeasures	8	7	0	-7	-100.0%
Operations Security	17	14	0	-14	-100.0%
Total, Information Security	166	140	167	+27	+19.3%
Cyber Security					
Unclassified Computer Security	520	1,273	1,438	+165	+13.0%
Classified Computer Security............................	227	205	214	+9	+4.4%
Communications Security..................................	14	13	13	0	0.0%
TEMPEST...	6	5	5	0	0.0%
Cyber Infrastructure	9	8	8	0	0.0%
Total, Cyber Security...	776	1,504	1,678	+174	+11.6%
Personnel Security					
Clearance Program and Visit Control	20	20	22	+2	+10.0%
Security Awareness Program............................	2	2	2	0	0.0%
Total, Personnel Security.....................................	22	22	24	+2	+9.1%
Material Control and Accountability					
Material Control and Accounting	439	367	502	+135	+36.8%
Transportation	132	138	138	0	0.0%
Total, Material Control and Accountability	571	505	640	+135	+26.7%

	FY 2000	FY 2001	FY 2002	$ Change	% Change
				(dollars in thousands)	

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Program Management					
Planning..	305	313	328	+15	+4.8%
Professional Training and Development	102	105	109	+4	+3.8%
Policy Oversight and Administration	609	625	739	+114	+18.2%
Total, Program Management................................	1,016	1,043	1,176	+133	+12.7%
Total, Brookhaven National Laboratory	9,585	9,428	10,986	+1,558	+16.5%
Fermi National Accelerator Laboratory					
Protective Forces					
Salaries, Wages, and Benefits	1,414	1,468	1,355	-113	-7.7%
Training...	64	67	76	+9	+13.4%
Other	104	108	217	+109	+100.9%
Total, Protective Forces......................................	1,582	1,643	1,648	+5	+0.3%
Security Systems					
Physical Security	257	266	267	+1	+0.4%
Cyber Security					
Unclassified Computer Security	313	434	703	+269	+62.0%
Material Control and Accountability					
Material Control and Accounting	35	36	36	0	0.0%
Program Management					
Planning..	29	30	30	0	0.0%
Professional Training and Development	30	30	42	+12	+40.0%
Policy Oversight and Administration	48	51	39	-12	-23.5%
Total, Program Management................................	107	111	111	0	0.0%
Total, Fermi National Accelerator Laboratory.............	2,294	2,490	2,765	+275	+11.0%
Lawrence Berkeley National Laboratory					
Protective Forces					
Salaries, Wages, and Benefits	791	802	1,000	+198	+24.7%
Other	121	123	125	+2	+1.6%
Total, Protective Forces......................................	912	925	1,125	+200	+21.6%
Security Systems					
Physical Security	868	896	1,360	+464	+51.8%
Cyber Security					
Unclassified Computer Security	1,299	1,122	1,556	+434	+38.7%

	FY 2000	FY 2001	FY 2002	$ Change	% Change
			(dollars in thousands)		

Personnel Security

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Clearance Program..	106	109	134	+25	+22.9%
Security Awareness Program............................	12	12	13	+1	+8.3%
Total, Personnel Security.....................................	118	121	147	+26	+21.5%
Material Control and Accountability					
Material Control and Accounting	64	66	80	+14	+21.2%
Program Management					
Planning..	105	109	113	+4	+3.7%
Professional Training and Development	18	18	19	+1	+5.6%
Policy Oversight and Administration	228	235	309	+74	+31.5%
Total, Program Management..................................	351	362	441	+79	+21.8%
Total, Lawrence Berkeley National Laboratory	3,612	3,492	4,709	+1,217	+34.9%
Oakland Operations Office					
Material Control and Accountability					
Material Control and Accounting	2,478	0	0	0	0.0%
Oak Ridge Institute for Science and Education					
Protective Forces					
Salaries, Wages, and Benefits	100	108	181	+73	+67.6%
Training...	4	4	4	0	0.0%
Other	60	70	72	+2	+2.9%
Total, Protective Forces.......................................	164	182	257	+75	+41.2%
Security Systems					
Physical Security	69	73	98	+25	+34.2%
Information Security					
Information Protection	30	34	61	+27	+79.4%
Declassification/Classification	10	12	12	0	0.0%
Technical Surveillance Countermeasures	8	6	6	0	0.0%
Operations Security	16	29	30	+1	+3.4%
Total, Information Security....................................	64	81	109	+28	+34.6%
Cyber Security					
Unclassified Computer Security	140	189	373	+184	+97.4%
Classified Computer Security.............................	50	117	119	+2	+1.7%
Communications Security...................................	15	35	36	+1	+2.9%
TEMPEST..	10	12	12	0	0.0%
Cyber Infrastructure	50	59	60	+1	+1.7%
Total, Cyber Security...	265	412	600	+188	+45.6%

	FY 2000	FY 2001	FY 2002	$ Change	% Change
			(dollars in thousands)		

Personnel Security
Clearance Program and Visit Control	98	113	159	+46	+40.7%
Security Awareness Program............................	104	24	25	+1	+4.2%
Total, Personnel Security.....................................	202	137	184	+47	+34.3%
Total, Oak Ridge Institute for Science and Education.	764	885	1,248	+363	+41.0%

Oak Ridge National Laboratory
Protective Forces
Salaries, Wages, and Benefits	3,365	3,684	5,841	+2,157	+58.6%
Training...	471	489	152	-337	-68.9%
Other	1,432	1,171	1,723	+552	+47.1%
Total, Protective Forces......................................	5,268	5,344	7,716	+2,372	+44.4%

Security Systems
Physical Security	436	451	1,185	+734	+162.7%
Escorts...	21	22	0	-22	-100.0%
Total, Security Systems.......................................	457	473	1,185	+712	+150.5%

Information Security
Information Protection	59	62	185	+123	+198.4%
Declassification/Classification	0	0	31	+31	+100.0%
Technical Surveillance Countermeasures	35	36	30	-6	-16.7%
Operations Security	34	35	60	+25	+71.4%
Total, Information Security	128	133	306	+173	+130.1%

Cyber Security
Unclassified Computer Security	549	570	1,876	+1,306	+229.1%
Classified Computer Security.............................	185	193	300	+107	+55.4%
Total, Cyber Security..	734	763	2,176	+1,413	+185.2%

Personnel Security
Clearance Program and Visit Control	743	772	1,135	+363	+47.0%
Security Awareness Program.............................	27	28	53	+25	+89.3%
Total, Personnel Security.....................................	770	800	1,188	+388	+48.5%

Material Control and Accountability
| Material Control and Accounting .... | 646 | 670 | 1,049 | +379 | +56.6% |

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Program Management					
Planning..	758	762	1,001	+239	+31.4%
Professional Training and Development	0	0	47	+47	+100.0%
Policy Oversight and Administration	209	217	356	+139	+64.1%
Total, Program Management................................	967	979	1,404	+425	+43.4%
Total, Oak Ridge National Laboratory	8,970	9,162	15,024	+5,862	+64.0%
Princeton Plasma Physics Laboratory					
Protective Forces					
Salaries, Wages, and Benefits	670	694	723	+29	+4.2%
Training...	82	83	84	+1	+1.2%
Other	94	97	97	0	0.0%
Total, Protective Forces	846	874	904	+30	+3.4%
Security Systems					
Physical Security	62	63	58	-5	-7.9%
Escorts..	5	5	10	+5	+100.0%
Total, Security Systems.......................................	67	68	68	0	0.0%
Cyber Security					
Unclassified Computer Security	665	688	749	+61	+8.9%
Program Management					
Planning..	31	32	32	0	0.0%
Professional Training and Development	8	8	8	0	0.0%
Policy Oversight and Administration	63	65	68	+3	+4.6%
Total, Program Management................................	102	105	108	+3	+2.9%
Total, Princeton Plasma Physics Laboratory	1,680	1,735	1,829	+94	+5.4%
Stanford Linear Accelerator Center					
Protective Forces					
Salaries, Wages, and Benefits	220	227	229	+2	+0.9%
Other	1,243	1,265	1,330	+65	+5.1%
Total, Protective Forces	1,463	1,492	1,559	+67	+4.5%
Cyber Security					
Unclassified Computer Security	311	322	593	+271	+84.2%
Total, Stanford Linear Accelerator Center	1,774	1,814	2,152	+338	+18.6%

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Thomas Jefferson National Accelerator Facility					
Protective Forces					
Salaries, Wages, and Benefits	336	346	387	+41	+11.8%
Other	44	46	47	+1	+2.2%
Total, Protective Forces...	380	392	434	+42	+10.7%
Security Systems					
Physical Security	0	0	115	+115	+100.0%
Cyber Security					
Unclassified Computer Security	100	100	216	+116	+116.0%
Cyber Infrastructure	0	0	38	+38	+100.0%
Total, Cyber Security..	100	100	254	+154	+154.0%
Program Management					
Policy Oversight and Administration	0	0	144	+144	+100.0%
Total, Thomas Jefferson National Accelerator Facility	480	492	947	+455	+92.5%
Subtotal, Science Safeguards and Security	42,569	41,569	55,412	+13,843	+33.3%
Less Security Charge for Reimbursable Work...........	-5,266	-5,122	-4,912	+210	+4.1%
Total, Science Safeguards and Security	37,303	36,447	50,500	+14,053	+38.6%

(dollars in thousands)

Explanation of Funding Changes from FY 2001 to FY 2002

	FY 2002 vs. FY 2001 ($000)

Ames Laboratory

- Increase mainly in cyber security. .... +133

Argonne National Laboratory

- Increases mainly in cyber security protection requirements (+856,000) and program management needs (+1,196,000). Oversight reviews identified significant vulnerabilities in the cyber security programs at Argonne National Laboratory that required enhanced protection measures. Also an increase in physical security for upgrades to aging systems at Argonne National Laboratory – West (+631,000)............. +3,548

Brookhaven National Laboratory

- Increases mainly in protective forces and cyber security protection requirements. .... +1,558

Fermi National Accelerator Laboratory

- Increase mainly in cyber security. .... +275

Lawrence Berkeley National Laboratory

- Increases mainly in physical security and cyber security... +1,217

Oakland Operations Office

- No activities in FY 2001 or FY 2002; in accord with DOE realignment of responsibilities, transferred to NNSA. 0

Oak Ridge Institute for Science and Education

- Minor changes in funding requirements. .... +363

Oak Ridge National Laboratory

- The increases are mainly in protective force services (+2,372,000), physical security system upgrades (+712,000) and cyber security (+1,413,000). Independent oversight inspectors identified vulnerabilities in the protection of sensitive unclassified information that required enhanced physical and cyber security protection. .... +5,862

Princeton Plasma Physics Laboratory

- Minor changes in funding requirements. .... +94

Stanford Linear Accelerator Center

- Minor changes in funding requirements. .... +338

	FY 2002 vs. FY 2001 ($000)

Thomas Jefferson National Accelerator Facility

- Increases mainly in Security Systems (+115,000), Cyber Security (+116,000), and Program Management (+144,000). .... +455

Subtotal Funding Change, Science Safeguards and Security .... +13,843

Less Security Charge for Reimbursable Work .... +210

Total Funding Change, Science Safeguards and Security... +14,053

Capital Operating Expenses & Construction Summary

Capital Operating Expenses

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
General Plant Projects........................	0	1,369	2,000	+631	+46.1%
Total, Capital Operating Expenses	0	1,369	2,000	+631	+46.1%