

# **Department of Energy**

## **FY 2014 Congressional Budget Request**



**Other Defense Activities**  
**Departmental Administration**  
**Inspector General**  
**Working Capital Fund**  
**Safeguards and Security Crosscut**  
**Pensions**



# Department of Energy

## FY 2014 Congressional Budget Request



**Other Defense Activities**  
**Departmental Administration**  
**Inspector General**  
**Working Capital Fund**  
**Safeguards and Security Crosscut**  
**Pensions**



**Other Defense Activities**

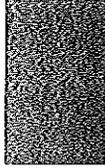
**Departmental Administration**

**Inspector General**

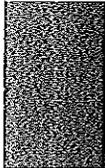
**Working Capital Fund**

**Safeguards and Security Crosscut**

**Pensions**



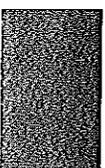
**Other Defense Activities**



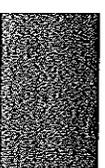
**Departmental Administration**



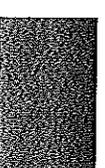
**Inspector General**



**Working Capital Fund**



**Safeguards and Security Crosscut**



**Pensions**

## Volume 2

### Table of Contents

	Section
Appropriation Account Summary .....	AP
Other Defense Activities .....	ODA
Departmental Administration .....	DA
Inspector General .....	IG
Working Capital Fund.....	WCF
R&D Crosscuts .....	RD
Safeguards and Security Crosscut.....	SS
Pensions .....	PN
SBIR .....	SBIR
General Provisions .....	GP

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



**DEPARTMENT OF ENERGY**  
**Appropriation Account Summary**  
(dollars in thousands – OMB Scoring)

(discretionary dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request	FY 2014 vs. FY 2012	
				\$	%
Energy and Water Development and Related Agencies					
Energy Programs					
Energy Efficiency and Renewable Energy	1,780,548	1,820,713	2,775,700	+995,152	+55.9%
Electricity Delivery and Energy Reliability	136,178	139,954	169,015	+32,837	+24.1%
Nuclear Energy	760,466	770,075	735,460	-25,006	-3.3%
Race to the Top for Energy Efficiency and Grid Modernization	0	0	200,000	+200,000	N/A
Fossil Energy Programs					
Fossil Energy Research and Development	337,074	494,969	420,575	+83,501	+24.8%
Naval Petroleum and Oil Shale Reserves	14,909	15,000	20,000	+5,091	+34.1%
Strategic Petroleum Reserve	192,704	193,883	189,400	-3,304	-1.7%
Northeast Home Heating Oil Reserve	10,119	10,181	8,000	-2,119	-20.9%
<b>Subtotal, Fossil Energy Programs</b>	<b>554,806</b>	<b>714,033</b>	<b>637,975</b>	<b>+83,169</b>	<b>+15.0%</b>
Uranium Enrichment D&D Fund	472,180	475,070	554,823	+82,643	+17.5%
Energy Information Administration	105,000	105,643	117,000	+12,000	+11.4%
Non-Defense Environmental Cleanup	235,381	236,746	212,956	-22,425	-9.5%
Science	4,934,980	4,903,461	5,152,752	+217,772	+4.4%
Advanced Research Projects Agency - Energy	275,000	276,683	379,000	+104,000	+37.8%
Departmental Administration	126,000	126,772	118,392	-7,608	-6.0%
Inspector General	42,000	42,257	42,120	+120	+0.3%
Advanced Technology Vehicles Manufacturing Loan	6,000	6,037	6,000	0	N/A
<b>Total, Energy Programs</b>	<b>9,428,539</b>	<b>9,617,444</b>	<b>11,101,193</b>	<b>+1,672,654</b>	<b>+17.7%</b>
Atomic Energy Defense Activities					
National Nuclear Security Administration:					
Weapons Activities*	7,214,834	7,557,342	7,868,409	+311,067	+4.1%
Defense Nuclear Nonproliferation	2,300,950	2,409,930	2,140,142	-160,808	-7.0%
Naval Reactors	1,080,000	1,086,610	1,246,134	+166,134	+15.4%
Office of the Administrator	410,000	412,509	397,784	-12,216	-3.0%
<b>Total, National Nuclear Security Administration</b>	<b>11,005,784</b>	<b>11,466,391</b>	<b>11,652,469</b>	<b>+304,177</b>	<b>+2.8%</b>
Environmental and Other Defense Activities					
Defense Environmental Cleanup	5,002,847	5,033,568	5,316,909	+314,062	+6.3%
Other Defense Activities	823,364	828,402	749,080	-74,284	-9.0%
<b>Total, Environmental &amp; Other Defense Activities</b>	<b>5,826,211</b>	<b>5,861,970</b>	<b>6,065,989</b>	<b>+239,778</b>	<b>+4.1%</b>
<b>Total, Atomic Energy Defense Activities</b>	<b>16,831,995</b>	<b>17,328,361</b>	<b>17,718,458</b>	<b>+543,955</b>	<b>+3.2%</b>
Power Marketing Administration					
Southeastern Power Administration	0	0	0	0	N/A
Southwestern Power Administration	11,892	11,965	11,892	0	N/A
Western Area Power Administration	95,978	96,556	95,930	-48	-0.1%
Falcon & Amistad Operating & Maintenance Fund	220	221	420	+200	+90.9%
Colorado River Basins	-23,000	-23,141	-23,000	0	N/A
Transmission Infrastructure Program	0	0	0	0	N/A
<b>Total, Power Marketing Administrations</b>	<b>85,090</b>	<b>85,601</b>	<b>85,242</b>	<b>+152</b>	<b>+0.2%</b>
<b>Subtotal, Energy and Water Development and Related Agencies</b>	<b>26,345,624</b>	<b>27,031,406</b>	<b>28,904,893</b>	<b>+2,216,761</b>	<b>+8.4%</b>
Uranium Enrichment D&D (UED&D) Fund Discretionary	0	0	-463,000	-463,000	N/A
Excess Fees and Recoveries, FERC	-25,534	-27,479	-26,236	-702	-2.7%
<b>Total, Discretionary Funding by Appropriation</b>	<b>26,320,090</b>	<b>27,003,927</b>	<b>28,415,657</b>	<b>+1,753,059</b>	<b>+6.7%</b>

Note: For Weapons Activities, the FY 2014 Request is compared against the FY 2013 Annualized Continuing Resolution level.



# **Other Defense Activities**

# **Other Defense Activities**

**Table of Contents**

	Section
Appropriation Language .....	ODA-1
Health, Safety and Security.....	ODA-3
Specialized Security Activities.....	ODA-37
Legacy Management.....	ODA-39
Idaho Sitewide Safeguards & Security (NE) .....	ODA-55
Hearings and Appeals .....	ODA-67



**Other Defense Activities**  
**Proposed 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, \$749,080,000, to remain available until expended: Provided, That \$127,035,000 shall be available until September 30, 2015, for program direction.*

**Explanation of Change**

Idaho site-wide safeguards and security activities are requested in the Nuclear Energy account for 2014.



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

**Overview  
Appropriation Summary by Program**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Other Defense Activities			
Health, Safety and Security			
Health, Safety and Security	148,737		143,616
Program Direction	102,000		108,301
Total, Other Defense Activities	250,737	252,271	251,917

**Public Law Authorizations**

Public Law 83-703, Atomic Energy Act of 1954, as amended  
 Public Law 93-438, Energy Reorganization Act of 1974  
 Public Law 95-91, Department of Energy Organization Act  
 Public Law 95-134, An Act to authorize certain appropriations for the territories of the United States, to amend certain acts relating thereto, and for other purposes  
 Public Law 95-242, Nuclear Non-Proliferation Act of 1978  
 Public Law 96-205, Trust Territory of the Pacific Islands  
 Public Law 99-239, Compact of Free Association Act of 1985  
 Public Law 100-408, Price-Anderson Amendments Act of 1988  
 Public Law 102-484, National Defense Authorization Act for Fiscal Year 1993 (Subtitle E, Worker Medical Screening)  
 Public Law 106-398, National Defense Authorization Act for Fiscal Year 2001 (Title 36: Energy Employees Occupational Illness Compensation Program)  
 Public Law 108-188, Compact of Free Association Amendments Act of 2003  
 Public Law 108-375, The Ronald W. Reagan National Defense Authorization Act for FY 2005 (Subtitle E, Energy Employees Occupational Illness Compensation Program amendments)  
 Public Law 112-36, Continuing Appropriations Act, 2012

**Overview and Accomplishments**

The Office of Health, Safety and Security (HSS) demonstrates the unwavering commitment of the U.S. Department of Energy (DOE or Department) to maintain a safe and secure work environment for all Federal and contractor employees, ensure that operations do not

adversely affect the health and safety of the surrounding communities, and protect national security assets entrusted to the Department. HSS provides clear policy guidance, assistance in policy implementation, and a focused and integrated corporate-level analysis of operating experience that identifies existing and potential problem areas to provide managers with a solid foundation for implementing effective DOE-wide activities and solutions in the areas of health, safety, and security.

The HSS account is composed of Health and Safety, Security, and Program Direction subprograms.

In FY 2012, HSS achieved the following significant accomplishments.

**1) Safety and Security Directives Reform.** HSS began amending the 107 safety and security directives in FY 2008 to eliminate unnecessary requirements and shift toward performance-based requirements to provide meaningful, clear, concise directives that are not overly prescriptive or duplicative. In FY 2010, at the direction of the Deputy Secretary of Energy, HSS implemented additional safety and security reforms designed to reduce the regulatory burden on Departmental operations while maintaining the highest standards of safe and secure operations.

HSS achieved its project milestone of completing all directive revisions, or submitting them for concurrence, by September 30, 2011. By the end of FY 2012, 107 HSS directives were revised, re-certified, or cancelled.

**2) Fukushima Daiichi Nuclear Disaster Response.** HSS completed near-term nuclear safety improvement

actions identified in the report Review of Requirements and Capabilities for Analyzing and Responding to Beyond Design Basis Events, as a follow-up to the actions and activities conducted in FY 2011.

**3) Document Reviews.** HSS supported the National Declassification Center established under Executive Order 13526, Classified National Security Information, and the President’s mandate to complete the review of over 400 million pages of permanent classified documents currently in backlog at the National Archives. As of February 1, 2013, 168,000,000 pages have been reviewed.

**4) Major Nuclear Construction Project Management Review.** Pursuant to a congressional request within the Conference Report accompanying FY 2012 appropriations legislation, HSS conducted reviews of five nuclear facility construction projects, each with estimated total project costs in excess of one billion dollars, to determine whether they were being managed in a way that could pressure managers or contractors to meet project performance objectives at the expense of adherence to nuclear safety requirements. The five projects reviewed were:

- Waste Treatment and Immobilization Plant, Hanford Site, Richland, WA
- Mixed Oxide Fuel Fabrication Facility, Savannah River Site (SRS), Aiken, SC
- Salt Waste Processing Facility SRS, Aiken, SC
- Uranium Processing Facility, Y-12 National Security Complex, Oak Ridge, TN
- Chemistry and Metallurgy Research Replacement Facility, Los Alamos National Laboratory, Los Alamos, NM.

The results of the review were published in a report to Congress in 2012.

**5) Safety Culture Reviews.** In January 2012, HSS published an Independent Oversight assessment of nuclear safety culture and management of nuclear safety concerns at the Hanford Site Waste Treatment and Immobilization Plant (WTP), a follow-up to the October 2010 HSS review of the WTP nuclear safety culture. As a result of this review and in response to a related Defense Nuclear Facilities Safety Board recommendation, HSS conducted extent of condition reviews of similar nuclear facility construction projects and other nuclear operations to determine if the safety culture issues identified at the WTP exist elsewhere within the Department.

Other Defense Activities/  
Health, Safety and Security/  
Overview

**6) Safeguards and Security Activities.** In response to the security breach at the Y-12 National Security Complex (Y-12), HSS conducted a comprehensive Independent Oversight safeguards and security inspection at Y-12, including force-on-force performance testing. HSS developed a schedule to conduct comprehensive Independent Oversight safeguards and security inspections at all Category I Special Nuclear Material sites in FY 2013. Additionally, in collaboration with the National Nuclear Security Administration, the Offices of Science, Environmental Management and Nuclear Energy, HSS conducted security policy and program assessments in FY 2013 to determine whether security issues are present at other Category I Special Nuclear Material sites.

**Milestones**

HSS is working toward the following key milestones:

<u>Milestones</u>	<u>Date</u>
1. Complete all nuclear safety improvement actions identified in Review of Requirements and Capabilities for Analyzing and Responding to Beyond Design Basis Events	December 2012
2. Complete the nuclear safety culture extent of condition reviews and overall summary report.	December 2012
3. Complete security policy and program assessments at all Category I Special Nuclear Material sites.	December 2012
4. Complete comprehensive Independent Oversight safeguards and security inspections at all Category I Special Nuclear Material sites.	October 2013

**Alignment to Strategic Plan**

HSS assists the Department in achieving its mission in a safe, secure, environmentally responsible manner by providing sound and consistent policy, technical assistance, training, independent oversight, enforcement, and corporate leadership for the health, safety, and security program areas. HSS integrates worker health, safety, and security functions to address crosscutting issues; increase collaboration and sharing of technical expertise; and increase accountability for worker health, safety, and security responsibilities. The integrated approach and functional alignment of responsibilities within HSS prevent redundancy in reporting requirements, provide consistency in policy and guidance development and technical assistance, and increase the effectiveness of communication and

accountability for worker health, safety, and security.

In FY 2014, HSS will:

- Increase coordination of enforcement actions with line management;
- Maintain rigorous and informed oversight of high-hazard operations and high-value security assets;
- Focus independent oversight of low-hazard operations and lower-value security assets on sites where past performance suggests a need for increased attention; and
- Continue a disciplined and systematic review of the Department's safety and security requirements.

#### **Explanation of Changes**

The Department requests \$251.9 million in FY 2014, representing an increase of \$1.2 million or 0.47 percent compared to the FY 2012 funding level.

The FY 2014 request reflects the elimination of some domestic health research; a reduction of 24 Federal full-time equivalent positions and associated salaries and benefits; decreased reliance on contractor support for health, safety, environment, and security policy, assistance, and training activities through efficiencies and increased reliance on the Federal workforce. Some of these savings are applied to increase funding for nuclear safety, nuclear security, and cyber security oversight; nuclear safety policy, assistance, and enforcement; and former worker medical screening activities. The increase also accounts for the transfer of the Telecommunications Security Program from the Office of the Chief Information Officer to HSS; the expected increases to Federal salaries and benefits; and increase in DOE Headquarters Working Capital Fund fees.

#### **Program Planning and Management**

HSS will accomplish its mission by issuing clear, concise health, safety, and security policies; providing timely and comprehensive assistance to DOE program offices, sites, and laboratories in implementing those policies; providing training programs for DOE security and safety professionals; conducting an integrated regulatory enforcement program related to nuclear safety, worker safety and health, and classified information security; and applying a graded approach to performance-based independent oversight of operations. HSS provides the corporate-level leadership and strategic vision necessary to coordinate and integrate health, safety, security, enforcement, and independent oversight programs

Other Defense Activities/  
Health, Safety and Security/  
Overview

within DOE. Working in partnership with DOE senior management; health, safety, and security communities in the DOE program offices, field offices, sites, and laboratories; and DOE workers and stakeholders, HSS is committed to continuous innovation and a cooperative work environment. As a key factor in its commitment to excellence, HSS empowers its personnel with the skills and tools necessary for the improvement of health, safety, and security performance.

Critical to achieving its vision and goals is HSS's ability to maintain a highly qualified workforce with the expertise and skills necessary to support, manage, and conduct its mission. The HSS workforce is composed of health, safety, and security professionals grounded in science, engineering, and technology that are led by effective program and project managers with exceptional communication and leadership skills and supported by innovative resource management experts. The judicious use of contractor support continues to be a practical and cost-effective means of providing a surge pool of technical experts, as an alternative to expanding the Federal employee base.

Ensuring the health, safety, and security of DOE workers and national assets is HSS's contribution to the Department's vital scientific, energy, and national security missions. To that end, HSS will focus on the following key priorities:

1. Developing cost-effective solutions for achieving DOE safety performance that approaches best-in-class performance, founded on integrated safety management and enhanced through such concepts as safety culture, voluntary protection, and environmental management systems.
2. Ensuring a graded approach to performance-based oversight of Departmental operations, such as nuclear facilities, through increased programmatic assistance, independent oversight, and enforcement presence at such facilities.
3. Honoring the national and Departmental commitment to current and former workers through cost-effective implementation of the former worker medical screening program and support to the Department of Labor for the implementation of the Energy Employees Occupational Illness Compensation Program Act.
4. Enhancing the protection of national security assets entrusted to the Department through cost-effective security solutions that are consistent with successful

mission accomplishment.

5. Continuing a corporate approach of openness and collaboration with management, workers, unions, and other interested parties to address complex health, safety, and security issues.

In support of these priorities, HSS will continue the following activities in FY 2014 to further strengthen the Department's safety and security posture:

1. Improve the quality, timeliness, and effectiveness of safety and security policies and requirements.
2. Enhance safety program effectiveness based on priorities developed from operating experience, health studies and surveillance data, independent oversight results, enforcement activities, and stakeholder feedback.
3. Improve Federal expertise in line management oversight of field operations and contractor self-assessment programs through training and education programs and continued emphasis on these programs during independent oversight reviews.
4. Improve issues management processes and practices to more effectively support continuous improvement and help prevent recurrence of adverse events.
5. Improve the interface between safety and security programs and practices to enable more robust, efficient, effective postures that address identified concerns.
6. Lead and coordinate Departmental efforts to provide cost-effective solutions for implementing the Graded Security Protection Policy.
7. Strengthen the management and performance of, and coordination and interface between, the former worker medical screening and Energy Employees Occupational Illness Compensation Program Act programs.
8. Strengthen the changes implemented in response to the recommendations within the Government Accountability Office report GAO-09-61, Nuclear Safety: Department of Energy Needs to Strengthen Its Independent Oversight of Nuclear Facilities and Operations, to enhance the Department's nuclear safety programs.
9. Continue ongoing efforts to enhance the effectiveness of independent oversight and

Other Defense Activities/  
Health, Safety and Security/  
Overview

enforcement activities.

10. Develop and implement solutions to health and safety issues identified through recent outreach efforts.
11. Strengthen the effectiveness of reviews of high hazard nuclear facility construction projects, as defined in 10 C.F.R. 830, to ensure compliance with nuclear safety requirements.

In addition to the specific priorities and activities noted above, HSS will continue to analyze and adjust priorities and activities based on emerging Departmental goals, significant Departmental events, program reviews with HSS office directors, and results of independent oversight appraisals and enforcement actions. HSS also uses insights and findings from other Departmental elements, such as the Inspector General, and external organization reviews, such as those from the Defense Nuclear Facilities Safety Board and the Government Accountability Office, to further enhance strategies. These strategies are reflected in budget formulation and execution processes.

HSS emphasizes working with DOE program and staff offices, sites, and laboratories to ensure that health, safety, and security issues are identified and effectively addressed. HSS also interfaces with external organizations to enhance the health, safety, and security posture of the United States and non-U.S. governments that maintain inventories of nuclear materials. HSS maintains strong relationships with the DOE Under Secretaries and all Departmental staff offices. HSS also maintains strong relationships with the following U.S. Government departments and agencies, international organizations, and governments of other nations:

- Defense Nuclear Facilities Safety Board
- Nuclear Regulatory Commission
- Department of State
- Department of Defense
- Defense Threat Reduction Agency
- Department of Homeland Security
- Department of Justice
- Office of Personnel Management
- Federal Bureau of Investigation
- National Security Council
- United States Secret Service
- Department of Labor
- Department of Health and Human Services
- National Institute for Occupational Safety and Health
- Occupational Safety and Health Administration

- Environmental Protection Agency
- President’s Advisory Board on Radiation and Worker Health
- International Atomic Energy Agency
- Governments of Spain, Russia, Japan, United Kingdom, and the Marshall Islands.

HSS validates and verifies program performance by continuously monitoring achievements for all performance targets through weekly reporting mechanisms and periodic meetings with office directors and program managers. In addition, HSS provides quarterly status updates to the DOE Chief Financial Officer.

**Goal Subprogram Alignment Summary**

	1. Policy and Assistance	2. Training	3. Oversight and Enforcement
Health and Safety	92%	0%	8%
Security	77%	23%	0%
Program Direction	62%	3%	35%
Total, Health Safety and Security Activities	75%	8%	17%

**Program Goals and Funding**

Ensuring the health, safety, and security of DOE workers and national assets is HSS’s contribution to the Department’s vital missions in science, energy, and national security. HSS will continue to assist the Department in maintaining a safe and secure work environment for all Federal and contractor employees, ensuring that the Department’s operations do not adversely affect the health and safety of the surrounding communities, and protecting national security assets entrusted to the Department. HSS will accomplish these goals through a focused emphasis on safety and security policy, assistance, training, oversight, and enforcement based on an analysis of Departmental performance as well as technical and programmatic priorities.

**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 2012 Actual	FY 2012 Planned	FY 2013 Annualized CR	FY 2014 Planned
National Training Center	424	424	408	408
Total, Direct-Funded Maintenance and Repair	424	424	408	408

**Report on FY 2012 Expenditures for Maintenance and Repair**

This report responds to legislative language set forth in Conference Report (H.R. Conf. Rep. No. 108-10) accompanying the Consolidated Appropriations Resolution, 2003 (Public Law 108-7) (pages 886-887), which requests the Department of Energy provide an annual year-end report on maintenance expenditures to the Committees on Appropriations. This report compares the actual maintenance expenditures in FY 2012 to the amount planned for FY 2012, including directed changes.

**Total Costs for Maintenance and Repair**

(dollars in thousands)

	FY 2012 Actual Cost	FY 2012 Planned Cost
National Training Center	424	424
Total, Maintenance and Repair	424	424

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

**Funding by Site by Program**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Argonne National Laboratory	1,426		890
Brookhaven National Laboratory	454		250
Carlsbad Project Office	100		0
Chicago Operations Office	345		50
Consolidated Business Center	450		0
East Tennessee Technology Park	25		0
Hanford Site	160		0
Idaho National Laboratory	755		50
Idaho Operations Office	565		400
Kansas City Plant	35		10
Lawrence Livermore National Laboratory	3,010		3,050
Lexington Project Office	0		200
Los Alamos National Laboratory	145		95
Nevada Site Office	155		15
NNSA Service Center	1,155		1,000
Oak Ridge Institute for Science and Education	2,035		1,315
Oak Ridge National Laboratory	720		1,060
Oak Ridge Operations Office	3,204		2,720
Office of Scientific and Technology Information	385		300
Ohio Field Office	28		5
Pacific Northwest National Laboratory	2,537		1,975
Paducah Site Office	230		0
Pantex Plant	5		10
Pantex Site Office	25		0
Richland Operations Office	1,270		1,000
Sandia National Laboratories	1,220		820
Savannah River Operations Office	650		500
Savannah River Site	35		35
Washington Headquarters	229,568		236,147
Y-12 National Security Complex	45		20
Total, Other Defense Activities	250,737	252,271	251,917



**Health, Safety and Security  
Funding Profile by Subprogram and Activities**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Health and Safety			
Worker Safety	6,180		4,846
Nuclear Safety	7,521		12,317
Environment	2,934		2,407
Health Programs	53,625		51,790
Enforcement	1,798		1,947
Total, Health and Safety	72,058		73,307
Security			
Safety and Security Training	15,500		15,000
Security Operational Support	7,092		5,762
Classification, Declassification, and Controlled Information	9,707		8,707
Security Investigations	11,988		9,850
Headquarters Security Operations	32,392		30,990
Total, Security	76,679		70,309
Total, Health, Safety and Security	148,737		143,616

**Overview**

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

HSS assists the Department in achieving its mission in a safe, secure, environmentally responsible manner by providing sound and consistent policy, technical assistance, training, independent oversight, enforcement, and corporate leadership for the health, safety and security program areas. HSS integrates worker health, safety, and security functions to address crosscutting Departmental issues; increase collaboration and sharing of technical expertise; and increase accountability for worker health, safety, and security responsibilities. The integrated approach and functional alignment of responsibilities within HSS prevent redundancy in reporting requirements, provide consistency in policy and guidance development and technical assistance, and increase the effectiveness of

communication and accountability for worker health, safety, and security.

**Explanation of Changes**

The Department requests \$143.6 million for HSS Program activities in FY 2014, a decrease of \$5.1 million or 3.4 percent compared to the FY 2012 funding level.

The request reflects a decreased reliance on contractor support for health, safety, environment, and security policy, assistance, and training activities through efficiencies and increased reliance on the Federal workforce; prioritization of security equipment maintenance and purchases; and elimination of some health research activities in order to increase funding for nuclear safety and enforcement activities and provide for increased former worker medical screening activities. Decreased funding also reflects an expected reduction in the number of investigations needed to provide / maintain access authorizations for DOE Headquarters and other U.S. Government personnel and decreased requests for record searches associated with the Department of Labor employee compensation program. The net decrease is offset by the transfer of the Telecommunications Security Program from the Office of the Chief Information Officer to HSS.

Other Defense Activities/  
Health, Safety and Security/  
Program

**Goal Areas by Subprogram**

	1. Policy and Assistance	2. Training	3. Oversight and Enforcement
Health and Safety			
Worker Safety	100.0%	0.0%	0.0%
Nuclear Safety	67.5%	0.0%	32.5%
Environment	100.0%	0.0%	0.0%
Health Programs	100.0%	0.0%	0.0%
Enforcement	0.0%	0.0%	100.0%
Total, Health and Safety	<b>91.9%</b>	<b>0.0%</b>	<b>8.1%</b>
Security			
Safety & Security Training	0.0%	100.0%	0.0%
Security Operational Support	100.0%	0.0%	0.0%
Classification, Declassification and Controlled Information	88.5%	11.5%	0.0%
Security Investigations	100.0%	0.0%	0.0%
Headquarters Security Operations	100.0%	0.0%	0.0%
Total, Security	<b>77.2%</b>	<b>22.8%</b>	<b>0.0%</b>
Total, Health, Safety and Security Program	<b>84.7%</b>	<b>11.1%</b>	<b>4.1%</b>

**Health and Safety  
Funding Schedule by Activity**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Health and Safety			
Worker Safety	6,180		4,846
Nuclear Safety	7,521		12,317
Environment	2,934		2,407
Health Programs			
Domestic Health Programs			
Health Research	4,405		2,550
Former Worker Medical Screening	18,655		19,850
Employee Compensation Program	7,500		6,340
International Health Programs			
Russian Health Studies	2,765		2,750
Japanese Health Studies	14,000		14,000
Marshall Islands Program	6,300		6,300
Total, Health Programs	53,625		51,790
Enforcement	1,798		1,947
Total, Subprogram Health and Safety	72,058		73,307

**Overview**

The Health and Safety subprogram provides technical and analytical expertise to protect and enhance the safety of DOE workers, the public, and the environment. This subprogram maintains policies and guidance for the promotion of safe, environmentally sound work practices to ensure best-in-class performance in occupational, facility, nuclear, and radiation safety; cultural and natural resources; environment; and quality assurance. Health and Safety provides assistance to DOE offices and laboratories through site-specific activities, such as nuclear facility safety basis reviews, and corporate-wide services, such as accrediting commercial laboratories used by DOE sites for regulatory compliance and employee monitoring programs; administering the accident investigation program; supporting the Radiation Emergency Accident Center/Training Site; and operating the Filter Test Facility. Corporate databases, such as those pertaining to accidents and illnesses, radiation monitoring, and corrective action tracking, are maintained and used to support analyses of health and safety performance for senior management. This subprogram provides technical support for the implementation of Department-wide safety and

environmental programs such as the DOE voluntary protection program, which encourages and rewards safety performance that exceeds industry averages through universally recognized certifications, and environmental management systems which support sustainable practices that promote pollution prevention and greenhouse gas reduction. This subprogram also provides support to the Department of Labor for the implementation of the Energy Employees Occupational Illness Compensation Program Act, the former worker medical screening program, and radiation health studies in Japan and Russia. These projects and programs provide for the discovery and documentation of health effect outcomes that support the basis for national and international worker protection policies and standards, which, in turn, provide updated levels of protection appropriate for the risk posed to DOE workers and the public. The Health and Safety subprogram provides support for the implementation of the congressionally mandated worker safety and health, nuclear safety, and classified information security enforcement programs to ensure contractors' adherence to applicable regulations and promote proactive improvement of safety and security performance.

**Explanation of Funding Changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Current
--------------------	--------------------	--

**Health and Safety**

**Worker Safety**

Contractor support for worker safety-related policy, assistance, and corporate programs is decreased through efficiencies and increased reliance on the Federal workforce.

6,180	4,846	-1,334
<b>6,180</b>	<b>4,846</b>	<b>-1,334</b>

**Total, Worker Safety**

**Nuclear Safety**

Provides for reviews of construction projects for high hazard nuclear facilities as defined in 10 C.F.R. 830, and continued assistance to ensure a clear understanding of requirements and expectations; offset by the completion of safety culture reviews and associated follow-up activities in FY 2013.

7,521	12,317	+4,796
<b>7,521</b>	<b>12,317</b>	<b>+4,796</b>

**Total, Nuclear Safety**

**Environment**

Contractor support for environment-related policy, assistance, and corporate programs is decreased through efficiencies and increased reliance on the Federal workforce.

2,934	2,407	-527
<b>2,934</b>	<b>2,407</b>	<b>-527</b>

**Total, Environment**

**Health Programs**

**Domestic Health Programs**

**Health Research**

Reflects the elimination of illness and injury surveillance activities and support for the beryllium repository and a shift toward the conduct of targeted public health studies performed by the Department of Health and Human Services to determine the effect of DOE operations on communities surrounding DOE sites.

4,405	2,550	-1,855
<b>4,405</b>	<b>2,550</b>	<b>-1,855</b>

**Total, Health Research**

**Former Worker Medical Screening Program**

Supports additional outreach activities and medical screenings.

18,655	19,850	+1,195
--------	--------	--------

**Total, Former Worker Medical Screening Program**

<b>18,655</b>	<b>19,850</b>	<b>+1,195</b>
---------------	---------------	---------------

**Employee Compensation Program**

Reflects expected decrease in requests for record searches in support of Energy Employee Occupational Illness Compensation Program Act claims.

7,500	6,340	-1,160
-------	-------	--------

**Total, Employee Compensation Program**

<b>7,500</b>	<b>6,340</b>	<b>-1,160</b>
--------------	--------------	---------------

**Total, Domestic Health Programs**

<b>30,560</b>	<b>28,740</b>	<b>-1,820</b>
---------------	---------------	---------------

**International Health Programs**

**Russian Health Studies**

Reflects the continued transition from data collection to report writing.

2,765	2,750	-15
-------	-------	-----

**Total, Russian Health Studies**

<b>2,765</b>	<b>2,750</b>	<b>-15</b>
--------------	--------------	------------

**Japanese and Marshall Islands Programs**

<b>20,300</b>	<b>20,300</b>	<b>0</b>
---------------	---------------	----------

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

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Current
<b>Total, International Health Programs</b>	<b>23,065</b>	<b>23,050</b>	<b>-15</b>
<b>Total, Health Programs</b>	<b>53,625</b>	<b>51,790</b>	<b>-1,835</b>
<b>Enforcement</b>			
Increase provides for additional nuclear safety activities.	1,798	1,947	+149
<b>Total, Enforcement</b>	<b>1,798</b>	<b>1,947</b>	<b>+149</b>
<b>Total, Health and Safety</b>	<b>72,058</b>	<b>73,307</b>	<b>+1,249</b>

### Worker Safety

#### Overview

Worker safety and health policies promote safe work practices throughout the Department to achieve best-in-class safety performance as compared to similar industrial operations. Funding supports increased assurance that work is conducted with a full understanding of health- and safety-related risks, application of controls necessary to mitigate those risks, and avoidance of worker compensation liabilities. Funding provides for research, efforts to update and maintain existing standards, and the development of safety and health requirements based on new or evolving working conditions; technical assistance to DOE programs, laboratories, and sites in implementing health and safety requirements and programs; and implementation of corporate health- and safety-related programs and information technology systems. Funding provides for collecting, analyzing, and trending operational data to identify strengths and weaknesses of safety programs in support of continuous improvement.

#### Funding and Activity Schedule

Fiscal Year	Activity	Funding (dollars in thousands)
<b>FY 2014</b>	<ol style="list-style-type: none"> <li>Through outreach activities, establish and maintain collaborative relationship with organizations both internal and external to DOE in order to foster improvements in health, safety, environmental and security performance at DOE sites;</li> <li>Research, update, and maintain existing DOE regulations, directives and technical standards, and develop new safety and health requirements based on new or evolving working conditions, when warranted;</li> <li>Provide technical assistance to DOE programs, laboratories, and sites in the implementation of health and safety requirements and programs;</li> <li>Promote the implementation of the DOE voluntary protection program, which encourages and rewards safety performance that exceeds industry averages;</li> <li>Provide for the health and safety aspects of the DOE human reliability program, designed to ensure that individuals who occupy positions that afford access to certain national security materials and nuclear explosive devices meet high standards for trustworthiness, dependability, and physical and mental reliability;</li> <li>Provide technical support for the implementation of the DOE contractor employee assistance program that provides for the collection and analysis of causes of lost time and disabilities and the medical and psychological interventions available to reduce those losses;</li> <li>Maintain the electronic Radiation Exposure Monitoring System, which serves as the Department's central repository for radiation exposure information at DOE in support of 10 C.F.R. 835, Occupational Radiation Protection, Subpart I, requirements regarding annual</li> </ol>	<b>4,846</b>

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

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
	<p>monitoring of individual occupational radiation exposure records for DOE employees, contractors, and subcontractors, as well as members of the public;</p> <p>8. Provide technical support for the implementation of the DOE Federal employee occupational safety and health program, as required by Presidential Executive Order 12196, Occupational Safety and Health Programs for Federal Employees; Section 19 of Public Law 91-596; the Occupational Safety and Health Act of 1970; and 29 C.F.R. 1960, Basic Program Elements for Federal Employee Occupational Safety and Health Programs and Related Matters;</p> <p>9. Conduct and communicate analysis and trending of safety performance information to identify excellent performance and areas needing improvement in order to reduce or prevent adverse events and injuries and minimize mission interruptions;</p> <p>10. Provide information to DOE operating entities regarding operating experience, lessons learned, and suspect, defective, and counterfeit items;</p> <p>11. Provide overall program administration and assistance, including training, to DOE program offices in support of implementing the Department's accident investigation program, which provide for independent Federal investigations of high-consequence incidents involving worker fatalities, acute exposures to radiation or chemicals, environmental releases, or significant loss of capital assets. Upon request, assist DOE program offices in conducting specific accident investigations; and</p> <p>12. Maintain corporate health- and safety-related information management technology systems, such as the Computerized Accident/Incident Reporting System, the Occurrence Reporting and Processing System, the Radiation Exposure Monitoring System, and the lessons learned system.</p>	
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>6,180</b>

### Nuclear Safety

#### Overview

Nuclear Safety activities include establishing and maintaining nuclear safety policies and requirements to ensure adequate protection of workers, the public, and the environment from hazards associated with the operation of DOE nuclear facilities. This includes the establishment of general facility safety requirements in fire protection, response to natural phenomena, maintenance, and quality assurance to ensure that products and services meet or exceed the Department's objectives. This activity provides assistance to field elements in implementing requirements and resolving issues; and provides programmatic oversight of DOE nuclear operations and facilities.

#### Funding and Activity Schedule

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2014</b>	<p>1. Assess, update, and maintain DOE regulations, directives, and technical standards and lead the development of nuclear safety and quality assurance requirements based on new or evolving facility hazards and/or operating conditions, when warranted (including fire protection, natural phenomena hazards, nuclear materials packaging, and maintenance);</p> <p>2. Conduct independent oversight of high hazard nuclear facility (as defined in 10 C.F.R. 830) construction projects to ensure compliance with nuclear safety requirements;</p> <p>3. Provide oversight of DOE nuclear facilities and operations to ensure compliance with nuclear safety requirements;</p> <p>4. Maintain a DOE-wide nuclear safety research and development program to provide corporate-level leadership supporting the coordination and integration of nuclear safety science and</p>	<b>12,317</b>

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

Fiscal Year	Activity	Funding (dollars in thousands)
	<p>technology, provide a centralized repository to share nuclear safety research and development information across the Department, and coordinate the conduct of nuclear safety research and development activities;</p> <ol style="list-style-type: none"> <li>5. Provide technical assistance to DOE program and line organizations, national laboratories, and sites in implementing nuclear safety and quality assurance requirements and programs and resolving issues and recommendations identified by the Defense Nuclear Facilities Safety Board;</li> <li>6. Provide technical assistance to national standards organizations in developing and maintaining nuclear safety and quality assurance consensus standards;</li> <li>7. Support DOE program offices in assessing conduct of operations, maintenance, and/or training evaluations for hazard category 1, 2, and 3 nuclear facilities prior to authorizing startup or restart of these facilities or their operations;</li> <li>8. Facilitate continuous improvement to the DOE facility representative and safety system oversight programs, supporting approximately 280 site office resident nuclear safety subject matter experts funded by and reporting to DOE line management;</li> <li>9. Assist in funding and coordinating information exchanges with the Institute of Nuclear Power Operations, a non-profit organization established by the commercial nuclear power industry to promote the highest levels of safety and reliability in the operation of nuclear power plants;</li> <li>10. Maintain web-based systems to provide the status of the safety basis of each hazard category 1, 2, or 3 DOE nuclear facility and provide public information on how to obtain copies of safety basis and related documents for DOE nuclear facilities;</li> <li>11. Maintain the differing professional opinion program and process, including a web page and online submittal form, that DOE and contractor employees can use to identify and document differing professional opinions concerning technical issues;</li> <li>12. Implement safety software quality assurance activities that provide for the maintenance of the DOE safety software central registry of approved computer codes, including a user oriented communication forum, and operation of the safety software expert working group for enabling effective and consistent use of high-quality safety software across DOE; and</li> <li>13. Provide for the operation and monitoring of the Filter Test Facility, which inspects and tests 100 percent of all high efficiency particulate air filters used in safety class and safety significant systems, and other ventilation systems for confinement of radioactive materials prior to their use at DOE nuclear facilities.</li> </ol>	
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>7,521</b>

### Environment

#### **Overview**

Environmental activities support DOE’s strategic sustainability performance objectives by fostering efficient use of resources and energy, assisting in the responsible management of natural and cultural resources on and around DOE facilities, reducing DOE’s carbon footprint, and avoiding future environmental liabilities. Funding provides technical support for the development of policies, requirements, and guidance related to environmental compliance; the encouragement of green purchasing; sustainable environmental stewardship, pollution prevention, and greenhouse gas reduction; and implementation of environmental performance tracking across the DOE complex. Environmental activities also provide technical support for ensuring DOE’s radiation protection program is consistent with national and international radiation protection standards and the Departmental risk management strategies.

#### **Funding and Activity Schedule**

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

Fiscal Year	Activity	Funding (dollars in thousands)
<b>FY 2014</b>	<ol style="list-style-type: none"> <li>1. Research, update, and maintain existing DOE regulations, directives, and technical standards, and develop new sustainability, environmental protection, and public radiation protection requirements based on new or evolving science, protection strategies, national radiation protection guidance, and techniques based on new or evolving working conditions, when warranted;</li> <li>2. Provide technical assistance to DOE programs, laboratories, and sites in implementing sustainability, environmental protection, and public radiation protection requirements and programs;</li> <li>3. Provide technical support to DOE site and program offices and laboratories in evaluating and resolving regulatory compliance issues through the interpretation of regulatory requirements, development of cost-effective implementation strategies, and maintenance of web-based compliance tools;</li> <li>4. Coordinate and develop consolidated responses to proposed changes in environmental regulations that may impact Departmental operations, in order to improve implementation and optimize the use of protective resources;</li> <li>5. Review data from environmental reports required by Federal and state environmental protection agencies to validate adherence to reporting requirements; evaluate the effectiveness of the Department's toxic chemical release reduction and pollution prevention efforts; produce annual reports on DOE environmental sustainability performance; and develop annual radionuclide emissions summaries submitted to the Environmental Protection Agency under an interagency agreement;</li> <li>6. Conduct proficiency and quality assurance audits and reviews of environmental analytical laboratories and commercial waste treatment, storage, and disposal vendors used by DOE operating entities in support of ongoing operations, remediation, and other cleanup projects; compliance programs; and long-term monitoring and surveillance activities to ensure consistency of services while minimizing the number of DOE audits of these commercial service providers;</li> <li>7. Support development and maintenance of software toolkits to assist DOE operating elements in meeting data quality objectives related to environmental field sampling and to support user training at DOE field element sites;</li> <li>8. Administer the DOE environmental sustainability awards program, which formally recognizes DOE entities for outstanding achievement in sustainable environmental stewardship;</li> <li>9. Provide assistance to and oversight of DOE site property radiological clearance programs, including maintenance of residual radioactivity models and codes, to support evaluations and safe disposition of lands, structures, equipment, soil, and other material that may contain small amounts of residual radioactive material;</li> <li>10. Support development and harmonization of Federal radiation protection policies and guidelines and consistent, cost effective implementation of radiation protection programs within DOE;</li> <li>11. Support the operation of a National Center for Radiation Protection Knowledge at the Oak Ridge National Laboratory to ensure U.S. leadership in radiation dosimetry and risk assessment and the maintenance of the Multi-Agency Radiological Survey and Site Investigation Manual and Multi-Agency Radiation Survey and Assessment of Materials and Equipment Manuals; and</li> <li>12. Maintain operational guidelines and other radiological criteria that support protective action decisions and Federal policy governing response to and recovery from radiological and nuclear terrorism incidents (radiological dispersal devices and improvised nuclear devices) and major nuclear accidents.</li> </ol>	<b>2,407</b>
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>2,934</b>

**Domestic Health Programs  
Health Research**

**Overview**

Domestic health research activities provide support to national assets used to respond to radiological events throughout the country, conduct health studies on communities surrounding DOE sites, and support the electronic comprehensive epidemiologic data resource and the beryllium and U.S. transuranium and uranium registries.

**Funding and Activity Schedule**

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2014</b>	<ol style="list-style-type: none"> <li>1. Provide for the operation and maintenance of the electronic comprehensive epidemiologic data resource and the U.S. transuranium and uranium registries;</li> <li>2. Provide funding support to the Radiation Emergency Accident Center/Training Site, which provides medical expertise to DOE occupational medicine clinics, supplies chelating pharmaceuticals to treat radiation-exposed workers, and trains physicians to respond to radiological accidents anywhere in the United States;</li> <li>3. Provide for the maintenance of the beryllium registry, which collects, analyzes, summarizes, and disseminates health and exposure data to improve chronic beryllium disease prevention programs; and</li> <li>4. Provide for the conduct of public health studies and other activities performed by the Department of Health and Human Services through the National Institute for Occupational Safety and Health, the National Center for Environmental Health, and the Agency for Toxic Substances and Disease Registry to provide third-party objectivity regarding the effect of DOE operations on communities surrounding DOE sites.</li> </ol>	<b>2,550</b>
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>4,405</b>

**Domestic Health Programs  
Former Worker Medical Screening**

**Overview**

Former worker medical screening activities provide for the conduct of medical screenings for former DOE and DOE-related beryllium vendor employees to identify adverse health conditions that may have resulted from work conducted at DOE or DOE-related beryllium vendor facilities on behalf of DOE, as mandated by Congress in the FY 1993 Defense Authorization Act (Public Law 102-484). Workers who are found to have illnesses related to work on behalf of DOE are referred to the Department of Labor for potential compensation through the Energy Employees Occupational Illness Compensation Program Act.

**Funding and Activity Schedule**

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2014</b>	<ol style="list-style-type: none"> <li>1. Conduct site assessments to identify groups of at-risk former DOE Federal and contractor/subcontractor workers and DOE site-specific exposures;</li> <li>2. Provide for outreach efforts to inform former workers of the availability and benefits of the program;</li> <li>3. Provide for approximately 8,000 medical screenings annually to check for adverse health effects that could be related to occupational exposures to radiation, noise, beryllium, asbestos, silica, lead, cadmium, chromium, and solvents, conducted by independent health experts through</li> </ol>	<b>19,850</b>

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

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
	<p>seven cooperative agreements held by a consortia of universities, labor unions, and commercial organizations throughout the United States with expertise in administration of medical programs;</p> <p>4. Refer workers who are found to have illnesses related to work on behalf of DOE to the Department of Labor for potential compensation through the Energy Employees Occupational Illness Compensation Program Act; and</p> <p>5. Support the DOE central institutional review board, jointly funded with the DOE Office of Science and the National Nuclear Security Administration, to review all medical screening programs funded by DOE and/or involving the DOE workforce in order to ensure that the risks to human participants are minimized and reasonable in relation to the anticipated benefits.</p>	
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>18,655</b>

**Domestic Health Programs  
Employee Compensation Program**

**Overview**

DOE Energy Employees Occupational Illness Compensation Program Act (EEOICPA) activities support the implementation of Parts B and E of the Act by the Department of Labor to provide compensation to DOE and DOE-related vendor employees who have become ill as a result of work for DOE. Part B provides for compensation to workers with beryllium disease, silicosis, or radiation-induced cancer, and Part E provides for compensation and medical benefits to DOE contractor and subcontractor employees whose illnesses were caused by exposure to any toxic substance, such as beryllium or other chemical hazards. DOE's support consists primarily of providing information regarding employment status, exposures to radiation and toxic substances, and operational history of DOE facilities to the Department of Labor, the National Institute for Occupational Safety and Health, and the President's Advisory Board on Radiation and Worker Health in support of claims filed by current and former DOE Federal and contractor employees.

**Funding and Activity Schedule**

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2014</b>	<p>1. Conduct searches for records related to the employment and hazardous exposures for workers who applied to the Department of Labor for benefits under EEOICPA, declassify relevant records, and provide copies of those records to the Department of Labor and the National Institute for Occupational Safety and Health;</p> <p>2. Provide for large-scale records research projects conducted by the Department of Labor, the National Institute for Occupational Safety and Health, and the President's Advisory Board on Radiation and Worker Health;</p> <p>3. Provide for the continued transition of hard copy, paper records to electronic records, as well as records indexing projects to improve the efficiency of responses to the Department of Labor and the National Institute for Occupational Safety and Health; and</p> <p>4. Continue coordination and interface between former worker medical screening activities and EEOICPA activities, including identifying mechanisms for outreach to former workers and enhancing the exchange of medical, site, and exposure information among former worker medical screening service providers, the Department of Labor, and the National Institute for Occupational Safety and Health to assist the agencies tasked with adjudicating claims.</p>	<b>6,340</b>
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>7,500</b>

**International Health Programs  
Russian Health Studies**

**Overview**

The Russian health studies program supports the collaborative radiation health effects research program between U.S. and Russian scientists to determine the risks associated with working at or living near Russian former nuclear weapons production sites. The research is performed under the Cooperation in Research on Radiation Effects for the Purpose of Minimizing the Consequences of Radioactive Contamination on Health and the Environment, an agreement between the United States and Russia that was signed in 1994 and renewed in 2000, 2007, and 2011. The agreement is implemented through the Joint Coordinating Committee for Radiation Effects Research, representing agencies from the United States and the Russian Federation. The goals of the program are to better understand the relationship between health effects and chronic, low-to-medium radiation exposure; determine radiation-induced cancer risks from exposure to gamma, neutron, and alpha radiation; and improve and validate U.S. and international radiation protection standards and practices.

**Funding and Activity Schedule**

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2014</b>	1. Provide for the conduct of radiation exposure historical dose reconstruction studies, epidemiologic studies, and for a tissue repository of Russian nuclear workers and people living in communities surrounding the Russian nuclear facilities; 2. Assess radiation health effects of ionizing radiation; and 3. Publish analyses of radiation health effects assessments.	<b>2,750</b>
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>2,765</b>

**International Health Programs  
Japanese Health Studies**

**Overview**

The Japanese health studies activity supports the Radiation Effects Research Foundation, under a bi-national agreement between the United States and Japan, to conduct epidemiologic studies and medical surveillance of the survivors of the atomic bombings of Hiroshima and Nagasaki. The foundation engages in innovative science to develop new research methods and approaches for assessing radiation health effects.

**Funding and Activity Schedule**

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2014</b>	1. Conduct epidemiologic studies and medical surveillance of the survivors of the atomic bombings of Hiroshima and Nagasaki; 2. Assess radiation health effects of ionizing radiation; and 3. Publish analyses of radiation health effects assessments.	<b>14,000</b>
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>14,000</b>

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

**International Health Programs  
Marshall Islands Program**

**Overview**

The Marshall Islands program provides for medical surveillance and cancer care and treatment of the Marshallese and environmental monitoring in support of safe resettlement of four atolls. The work is performed as required by Public Laws 99-239 and 108-188 and the Compact of Free Association between the United States and the Republic of the Marshall Islands. The program is a result of nuclear weapons testing conducted between 1946 and 1958.

**Funding and Activity Schedule**

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2014</b>	<ol style="list-style-type: none"> <li>1. Conduct whole-body counting and plutonium urinalyses to measure individual exposure to radionuclides;</li> <li>2. Conduct comprehensive annual screening examinations;</li> <li>3. Provide medical care for Marshallese who contract cancer; and</li> <li>4. Provide environmental monitoring services in support of resettlement activities.</li> </ol>	<b>6,300</b>
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>6,300</b>

**Enforcement**

**Overview**

DOE's worker safety and health, nuclear safety, and classified information security enforcement activities implement congressionally mandated programs specified in 10 C.F.R. 851, Worker Safety and Health Program; 10 C.F.R. 820, Procedural Rules for DOE Nuclear Activities; and 10 C.F.R. 824, Procedural Rules for the Assessment of Civil Penalties for Classified Information Security Violations. The goals of these enforcement activities are to ensure that DOE contractors adhere to worker safety and health, nuclear safety, and classified information security regulations, and to promote proactive improvement of worker and nuclear safety and security performance through timely self-identification, reporting, and correction of noncompliant conditions to enable contractors to achieve excellence in mission accomplishment without the need for enforcement actions.

**Funding and Activity Schedule**

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2014</b>	<ol style="list-style-type: none"> <li>1. Review and analyze operational data from DOE data management systems designed specifically for noncompliance reporting, as well as reports from independent oversight activities, the DOE Occurrence Reporting and Processing System, the DOE Computerized Accident/Incident Reporting System, the DOE Safeguards and Security Information Management System, Federal accident investigations, and DOE site and program office assessments and evaluations to determine whether enforcement investigations are warranted and to analyze trends in noncompliance events;</li> <li>2. Conduct regulatory assistance reviews;</li> <li>3. Conduct enforcement investigations;</li> <li>4. Develop and issue enforcement actions and other regulatory outcomes, such as notices of violation, enforcement letters, consent orders, and compliance orders, and assess civil penalties or other sanctions for regulatory violations; and</li> </ol>	<b>1,947</b>

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

Fiscal Year	Activity	Funding (dollars in thousands)
	5. Conduct periodic outreach and training activities to communicate the Department's approach to safety and security enforcement, convey noncompliance reporting expectations, and provide information about DOE regulatory performance.	
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>1,798</b>



**Security  
Funding Schedule by Activity**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Security			
Safety and Security Training	15,500		15,000
Security Operational Support	7,092		5,762
Classification, Declassification and Controlled Information	9,707		8,707
Security Investigations	11,988		9,850
Headquarters Security Operations	32,392		30,990
<b>Total, Subprogram Security</b>	<b>76,679</b>		<b>70,309</b>

**Overview**

The Security subprogram provides support to develop and assist in the implementation of safeguards and security programs that provide protection to national security and other vital national assets entrusted to DOE, and to implement the U.S. Government's nuclear weapons-related technology classification and declassification program. Policies and guidance related to physical, personnel, and information security and nuclear materials accountability are designed to promote responsiveness to national security needs and changing threat environments. Assistance is provided to DOE program and site offices and laboratories via working groups, site-specific support, and corporate program support to implement cost effective security measures tailored to Departmental mission accomplishment. Training programs provide Department-wide assistance in developing and maintaining the proficiency and competency of DOE safety and security personnel in

support of overall Departmental human capital goals. Corporate security-related information management systems are maintained to identify and reduce the potential for undue risk to individual sites, the Department, and national security. This subprogram also provides for the continuous physical protection and security of DOE facilities and information in the National Capital Area and access authorization security background investigations for DOE Headquarters Federal and contractor personnel. Additionally, DOE implements the information control program for the U.S. Government to mitigate national security threats by preventing the release of information regarding weapons of mass destruction and other data that could lead to damage of the Nation's energy infrastructure. Support is also provided to review over 400 million pages of documents backlogged at the National Archives for potential release as required by Executive Order.

**Explanation of Funding Changes**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Current
<b>Security</b>			
<b>Safety and Security Training</b>			
Reduction reflects efficiency of operations and increased reliance on the Federal workforce for course development and maintenance.	15,500	15,000	-500
<b>Total, Safety and Security Training</b>	<b>15,500</b>	<b>15,000</b>	<b>-500</b>

Other Defense Activities/  
Health, Safety and Security/  
Security

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Current
--------------------	--------------------	--

### Security Operational Support

Reduction reflects moving the foreign visits and assignments operations from a laboratory to DOE Headquarters; and decreasing the contractor support for safeguards and security-related policy, assistance, and corporate programs through efficiencies and increased reliance on the Federal workforce.

7,092	5,762	-1,330
<b>7,092</b>	<b>5,762</b>	<b>-1,330</b>

### Total, Security Operational Support

### Classification, Declassification, and Controlled Information

Contractor support is decreased for maintenance of DOE requirements related to the protection of nuclear weapons-related technology; training for DOE and other U.S. Government agencies on the implementation of information safeguards and security requirements; and review of documents supporting DOE responses to Freedom of Information Act requests.

9,707	8,707	-1,000
<b>9,707</b>	<b>8,707</b>	<b>-1,000</b>

### Total, Classification, Declassification, and Controlled Information

### Security Investigations

Decrease reflects the anticipated reduction in the number of investigations needed to provide/maintain access authorizations.

11,988	9,850	-2,138
<b>11,988</b>	<b>9,850</b>	<b>-2,138</b>

### Total, Security Investigations

### Headquarters Security Operations

Net reduction reflects efficiencies in operations, prioritization of the purchase and maintenance of technical surveillance countermeasures and access control equipment, and the reduced need for personnel security adjudication services associated with maintaining access authorizations for DOE Headquarters personnel; offset by the transfer of the Telecommunications Security Program from the Office of the Chief Information Officer to HSS. The transfer better aligns Telecommunications Security Program activities with the HSS Technical Surveillance and Countermeasures activities allowing for increased efficiency and effectiveness of policy and resources on critical and urgent Departmental technical safeguards and security challenges.

32,392	30,990	-1,402
<b>32,392</b>	<b>30,990</b>	<b>-1,402</b>

### Total, Headquarters Security Operations

### Total, Security

<b>76,679</b>	<b>70,309</b>	<b>-6,370</b>
---------------	---------------	---------------

## Safety and Security Training

### Overview

This activity develops and maintains the proficiency and competency, and builds the management excellence, of DOE safety and security personnel, in direct support of Departmental objectives, through standardized training for the protection of the environment, the safety and health of the public and the workforce, and the security of critical Departmental and national security assets. The DOE National Training Center, located in Albuquerque, New Mexico, serves as the primary resource for DOE safety and security training.

### Funding and Activity Schedule

Other Defense Activities/  
Health, Safety and Security/  
Security

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2014</b>	<ol style="list-style-type: none"> <li>1. Develop and provide security- and safety-related training and professional development programs at the DOE National Training Center, at DOE sites through mobile training teams, and through Webinars, video conferencing, and synchronous distance learning ;</li> <li>2. Maintain and upgrade equipment and technologies to support a greater web presence and “just-in-time” online training products, such as webcasts and topical area seminars;</li> <li>3. Operate and maintain the DOE National Training Center, including classrooms, administrative offices, weapons live-fire ranges, and the Integrated Safety and Security Training and Evaluation Complex, a simulated DOE research and operational facility designed to allow for the use and evaluation of training methodologies and evolving safety and security technologies through hands-on, performance-based instruction; and</li> <li>4. Provide for the conduct of the annual Security Protection Officer Training Competition, established to challenge DOE security protection officers and their counterparts in the U.S. military, law enforcement, and other Federal agencies and to assess their level of critical protection skills, such as marksmanship, tactics, and physical readiness.</li> </ol>	<b>15,000</b>
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>15,500</b>

### **Security Operational Support**

#### **Overview**

Security operational support provides technical expertise to develop safeguards and security requirements and guidance; provide assistance to DOE operations; and maintain and manage corporate-level safeguards and security-related programs and information technology systems. These activities support Departmental objectives by providing an appropriately tailored level of security requirements for a wide range of scientific, research, and national security operations based on the significance of the national assets involved. Security policies, requirements, and guidance are developed to be clear and easily implemented, with the goal of securing nuclear material and classified matter and protecting the highly specialized DOE workforce.

#### **Funding and Activity Schedule**

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2014</b>	<ol style="list-style-type: none"> <li>1. Research, update, and maintain existing DOE regulations, directives and technical standards, and develop new safeguards and security requirements based on new or evolving threats or working conditions, when warranted;</li> <li>2. Provide technical assistance to DOE programs, laboratories, and sites in implementing safeguards and security requirements and programs;</li> <li>3. Provide technical support, training, and awareness materials for the security-related aspects of the human reliability program, including deployment of the human reliability program database and standard certification management system to ensure that over 10,000 individuals with access authorizations/clearances who occupy positions requiring access to special nuclear materials, nuclear explosive devices, or related facilities and information meet the highest standards of reliability and physical and mental suitability;</li> <li>4. Provide support to the security awareness special interest group for DOE and contractor safeguards and security awareness coordinators to share security awareness methods and products, solve problems, and disseminate security-related information to satisfy Presidential and other regulatory requirements;</li> <li>5. Operate, maintain, and perform data analysis of the electronic Safeguards and Security</li> </ol>	<b>5,762</b>

Other Defense Activities/  
Health, Safety and Security/  
Security

Fiscal Year	Activity	Funding (dollars in thousands)
	<p>Information Management System, a centralized classified browser-based database that serves as the repository of current and historical DOE safeguards and security information pertaining to inspection deficiencies, corrective action status, facility clearance levels, classified addresses, and asset information;</p> <p>6. Provide technical support and assistance for risk communication, risk management, vulnerability assessments, and security system performance evaluations, verifications, and validations, which are used to identify and cost-effectively address and mitigate current and emerging threats to Departmental assets at the site level; and</p> <p>7. Provide assistance to DOE programs, sites, and laboratories in the use of security technology as a means to mitigate vulnerabilities, reduce recurring costs, and lessen environmental impacts, and maintain the Security Technology Information Archive for the collection, storage, and dissemination of security technology cost, performance, safety, and implementation information;</p> <p>8. Maintain corporate security-related information technology systems, such as the DOE electronic Foreign Ownership, Control, or Influence program mandated by the Federal acquisition regulations system (48 C.F.R. 904.7003, 952.204-2, 970.0404, 904.404, and 952.204-73) and by Executive Order 12829, National Industrial Security Program; the DOE foreign visits and assignments program that enables foreign nationals' participation in unclassified DOE work, as well as classified visits involving foreign nationals; and the Radiological Source Registry and Tracking database, which is used to inventory approximately 18,000 radioactive sealed sources at DOE sites in support of the Department's nonproliferation and antiterrorist programs, U.S. and DOE regulatory compliance, and international treaty obligations.</p>	
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>7,092</b>

### Classification, Declassification, and Controlled Information

#### Overview

The classification, declassification, and controlled information activity ensures that the Department meets its statutory responsibility to implement the U.S. Government-wide program to classify and declassify nuclear weapons-related information (i.e., Restricted Data and Formerly Restricted Data) in order to prevent proliferation of nuclear weapons and technology. Funding for this activity supports the implementation of Executive Order 13526, Classified National Security Information, to classify other information critical to national security (i.e., National Security Information), such as security-related information concerning U.S. nuclear sites, energy critical infrastructure, and chemical/biological and radiological dispersal devices. Funding provides for declassification review of DOE records and the development of policies, requirements, and guidance and technical support for the protection of controlled unclassified information.

#### Funding and Activity Schedule

Fiscal Year	Activity	Funding (dollars in thousands)
<b>FY 2014</b>	<p>1. Provide technical support in developing U.S. Government and DOE-wide policy and technical guidance to ensure that classified nuclear weapons-related information and other information critical to national security and to U.S. Governmental, commercial, or private interests is identified for proper protection;</p> <p>2. Provide specialized technical expertise to foreign governments and to DOE and other U.S. departments and agencies regarding the national security implications of classification and declassification decisions for nuclear proliferation issues;</p>	<b>8,707</b>

Other Defense Activities/  
Health, Safety and Security/  
Security

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
	3. Provide training and certification of DOE and other agency personnel in classification and information control programs and related areas; 4. Provide support to the National Declassification Center for review and release of 400 million pages in backlog at the National Archives and follow-on record collections; 5. Review documents in support of DOE operations and other U.S. Government entities, such as Congress, Presidential Libraries, U.S. Patent Office, the Defense Nuclear Facilities Safety Board, the Government Accountability Office, and the Inspector General; and 6. Perform the final review of classified DOE documents and documents containing DOE equities from all U.S. Government departments and agencies, including DOE, when they are requested under the Freedom of Information Act and the mandatory provisions of Executive Order 13526, to ensure that DOE classified and controlled information is identified and protected from unauthorized release to the public as required by 10 C.F.R. 1004, Freedom of Information, and 10 C.F.R. 1045, Nuclear Classification and Declassification.	
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>9,707</b>

### Security Investigations

#### Overview

Security investigation activities provide for background investigations conducted by the Office of Personnel Management and the Federal Bureau of Investigation of DOE Headquarters Federal and contractor personnel who require access to classified information or certain quantities of special nuclear material, as required by Section 145 of the Atomic Energy Act of 1954 (as amended) and Executive Order 12968, Access to Classified Information. The conduct of investigations and granting of access authorizations are based on 10 C.F.R. 710, Criteria and Procedures for Determining Eligibility for Access to Classified Matter or Special Nuclear Material. DOE program offices provide funding for security investigations for personnel whose access authorizations are managed through offices other than DOE Headquarters.

This activity also provides support to personnel security programs associated with maintaining access authorizations to personnel who meet the criteria noted above. The conduct of investigations and granting of access authorizations is based on 10 C.F.R. 710, Criteria and Procedures for Determining Eligibility for Access to Classified Matter or Special Nuclear Material.

#### Funding and Activity Schedule

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2014</b>	1. Provide for the Federal Bureau of Investigation to conduct background investigations of DOE Headquarters Federal and contractor employees applying for or occupying sensitive positions, as dictated by the Atomic Energy Act (as amended). Funding provides for initial background investigations, periodic reinvestigations, and reimbursement for fingerprint and name checks; 2. Provide for the Office of Personnel Management to conduct most background investigations of DOE Headquarters Federal and contractor employees. Funding provides for initial single-scope background investigations, periodic reinvestigations, and initial and reinvestigation national agency checks; 3. Research, update, and maintain existing DOE regulations, directives, and technical standards, and develop new personnel security requirements based on new or evolving threats or working conditions, when warranted; 4. Provide technical assistance to DOE programs, laboratories, and sites in implementing personnel	<b>9,850</b>

Other Defense Activities/  
 Health, Safety and Security/  
 Security

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
	security requirements and programs; 5. Conduct corporate-level access authorization adjudications (i.e., performing case reviews, conducting evaluations, and preparing decision packages), as necessary; 6. Operate and manage the electronic DOE Integrated Security System, which consists of interrelated databases and associated client applications and web pages that automate the processing and tracking of access authorizations, access and visitor control, personal identity verification, and related personnel security processes; and 7. Continue deployment of the personnel security case management system, as well as the integration of this system with DOE field site human resources, financial management, and access control systems to reduce overall personnel security program costs by eliminating redundant systems at DOE field sites and reduce processing time by integrating directly with other databases.	
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>11,988</b>

### Headquarters Security Operations

#### Overview

Headquarters security operations provides for the physical protection of DOE Headquarters facilities and assets, in the Washington, DC, area through the deployment of a protective force; the management and operation of countermeasures, alarms, and access control equipment; and the implementation of security-related programs. Funding for these activities provides a safe and secure work environment and assures management, workers, and stakeholders that activities within Headquarters facilities are effectively protected.

#### Funding and Activity Schedule

<b>Fiscal Year</b>	<b>Activity</b>	<b>Funding (dollars in thousands)</b>
<b>FY 2014</b>	1. Provide a protective force engaged in the physical protection of classified information, facilities, and the workforce 24 hours a day, 365 days a year at DOE Headquarters facilities and satellite facilities in Washington, DC, and Germantown, MD; 2. Operate and maintain security alarms and access control systems, including security screening equipment, vehicle inspection scanning devices, internet protocol video, turnstiles, unmanned access/egress portals, other access control equipment; and protective force shelters; 3. Conduct performance testing of information control systems to ensure the protection of sensitive and classified information vital to both national and economic security; 4. Conduct technical surveillance countermeasures activities, such as surveys, inspections, in-conference monitoring, pre-construction consultation services, and threat analysis, in support of Presidential Decision Directive 61, Energy Department Counterintelligence, to detect and prevent hostile intelligence collection operations intent on penetrating DOE installations to steal technology or sensitive or classified information; 5. Conduct the telecommunications security activities consisting of emission security, protected transmission systems, and communications security to ensure the protection of DOE's sensitive unclassified and classified telecommunications through various security components, 6. Provide access authorization adjudication services (i.e., case reviews and analysis, interviews, and use of court reporters and consulting physicians as needed) for DOE Headquarters personnel to assure that access to DOE classified information is permitted only after a determination that such access will not endanger the common defense and national security;	<b>30,990</b>

Other Defense Activities/  
 Health, Safety and Security/  
 Security

Fiscal Year	Activity	Funding (dollars in thousands)
	7. Implement Homeland Security Presidential Directive 12 requirements related to the secure and reliable identification of DOE Federal and contractor employees; 8. Provide technical support for the implementation of the DOE Headquarters security awareness and classified matter protection and control programs; 9. Administer the DOE Headquarters facility clearance registration and foreign ownership, control, or influence programs for contractors granted access to classified information; and 10. Conduct safeguards and security surveys, self-assessments, and program reviews to ensure that DOE Headquarters operations comply with Departmental and national-level requirements.	
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	<b>32,392</b>



**Program Direction  
Funding Profile by Category**

(dollars in thousands/FTEs)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
National Training Center			
Salaries and Benefits	1,781		1,898
Travel	63		63
Other Related Expenses	41		41
Total, National Training Center	1,885		2,002
Full Time Equivalents	11		11
Headquarters			
Salaries and Benefits	59,100		58,829
Travel	2,629		2,847
Mission Support			
Headquarters Security Support	1,208		0
Independent Oversight Activities	20,842		25,879
Defense Nuclear Facilities Safety Board Liaison Activities	585		300
Total, Mission Support	22,635		26,179
Other Related Expenses	15,751		18,444
Total, Headquarters	100,115		106,299
Full Time Equivalents	365		341
Total Program Direction			
Salaries and Benefits	60,881		60,727
Travel	2,692		2,910
Mission Support	22,635		26,179
Other Related Expenses	15,792		18,485
Total, Program Direction	102,000		108,301
Total, Full Time Equivalents	376		352

**Overview**

Program Direction provides for Federal staffing and mission support services to provide overall direction and execution of the HSS mission of conducting the Department's activities in health, safety, and security policy, technical assistance, analysis, corporate programs, training, independent oversight, and enforcement.

Funding provides for salaries and benefits for 352 Federal full-time equivalent positions with the technical expertise needed to carry out the HSS mission to provide: corporate-level leadership and strategic vision to coordinate and integrate health, safety, nuclear safety, and security policy development and technical assistance; safety and security-related analysis; corporate safety and security programs; safety and security training; quality assurance programs; DOE

complex-wide independent oversight; safety and security enforcement; executive protection; and effective cross-organizational coordination to resolve Defense Nuclear Facilities Safety Board-related technical and management issues to ensure worker and public health and safety. The Federal staff also manages the conduct of domestic and international health programs, implements physical and personnel security programs for DOE facilities in the National Capital Area, and manages the U.S. Government-wide program to classify and declassify nuclear weapons-related technology and other national security information.

Program Direction also provides for mission support activities for independent oversight and Defense Nuclear Facilities Safety Board liaison activities. HSS has analyzed its use of support services and has established specific criteria for using these services efficiently. While HSS has

Other Defense Activities/  
Health, Safety and Security/  
Program Direction

some unique Federal employee expertise, technical contractual support services continue to be a practical and cost-effective method for supporting the Federal staff as needed. The evolving need for world-class expertise in a multitude of disciplines can best be met

through the use of contractors who can rapidly respond to the continually changing skill mix required to provide a surge pool of personnel with technical expertise in a wide range of safety and security disciplines.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Current
--------------------	--------------------	--

**Salaries and Benefits**

Reflects a decrease of 26 FTEs offset by the addition of two FTEs associated with the transfer of the Telecommunications Security Program from the Office of the Chief Information Officer and the expected rise in costs for Federal employee salaries and benefits.

60,881	60,727	-154
<b>60,881</b>	<b>60,727</b>	<b>-154</b>

**Total, Salaries and Benefits**

**Travel**

Reflects an expected increase in travel costs and executive protection support and the transfer of the Telecommunications Security Program from the Office of the Chief Information Officer to HSS; offset by decreased travel through increased use of telecommunications.

2,692	2,910	+218
<b>2,692</b>	<b>2,910</b>	<b>+218</b>

**Total, Travel**

**Mission Support**

Provides for follow-up safeguards and security reviews at Category 1 Special Nuclear Material facilities and observation of operations and conduct of performance tests that examine the effectiveness of nuclear safety and security and cyber security programs in order to mitigate performance risks, as recommended by the Government Accountability Office, Congress, the Department's Inspector General, and the Defense Nuclear Facilities Safety Board; offset by the elimination of Headquarters security mission support services.

22,635	26,179	+3,544
<b>22,635</b>	<b>26,179</b>	<b>+3,544</b>

**Total, Mission Support**

**Other Related Expenses**

Increase reflects the transfer of the Telecommunications Security Program from the Office of the Chief Information Officer to HSS and increased Working Capital Fund (WCF) expenses; offset by decreases in information technology infrastructure costs. DOE is working to achieve economies of scale through an enhanced WCF. The WCF increase from FY 2012 covers certain shared, enterprise activities including enhanced cyber security architecture, employee health and testing services, and consolidated training and recruitment initiatives.

15,792	18,485	+2,693
<b>15,792</b>	<b>18,485</b>	<b>+2,693</b>

**Total, Other Related Expenses**

**Total, Program Direction**

<b>102,000</b>	<b>108,301</b>	<b>+6,301</b>
----------------	----------------	---------------

Other Defense Activities/  
Health, Safety and Security/  
Program Direction

**Mission Support by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Technical Mission Support			
Headquarters Security Support	1,208		0
Independent Oversight Activities	20,842		25,879
Defense Nuclear Facilities Safety Board Liaison Activities	585		300
Total, Technical Mission Support	22,635		26,179
Total, Mission Support	22,635		26,179

**Other Related Expenses by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Other Related Expenses			
Working Capital Fund	10,232		12,469
Tuition/Training of Federal Staff	279		301
Other Services Procured	5,281		5,715
Total, Other Related Expenses	15,792		18,485

**Mission Support  
Independent Oversight Activities**

**Overview**

Independent oversight activities provide high value to the Department by identifying gaps and vulnerabilities in safety (worker, nuclear, and facility safety), physical security, and cyber security programs and related performance. Independent oversight activities are tailored to the unique needs of each DOE program and site office, and consider relative risks and past performance in determining specific assessment activities. Safeguards and security and cyber security-related independent oversight activities are designed to determine whether special nuclear materials, classified matter (parts and information), and sensitive information technology systems are adequately protected from unauthorized or inadvertent disclosure or diversion. Safety-related independent oversight activities help to ensure that workers and the public are protected from the hazards associated with the Department's sites and operations, and to preclude events that could negatively impact the Department's ability to perform its mission and achieve its goals. Independent oversight activities provide accurate and timely information and analysis regarding the effectiveness of the Department's safety and security programs and other functions of interest. Information is made available to the Department management, congressional committees, and stakeholders, such as unions and local public interest groups, to provide confidence that the Department's operations are performed in a safe and secure manner.

Independent oversight activities complement but do not replace DOE line management's responsibility for security and safety, as required by Departmental policies. Independent oversight functions include those that: (1) are required by a Federal law, Executive Order, or other mandate; and (2) need to be performed by an organization with independence from mission responsibilities to ensure that DOE safety and security programs are credible to internal and external stakeholders. As required by DOE Order 227.1, Independent Oversight Program, independent oversight activities are performed by personnel who are organizationally independent of the DOE program and site offices that implement policies and programs, and who can therefore objectively observe and report on those policies and programs as they relate to Departmental operations. Independent oversight processes are governed by documented, formal protocols that are continuously evaluated, revised, and refined based on Departmental and national events and activities that have an impact on DOE security and safety in order to provide more useful performance data and related information to line managers.

**Funding and Activity Schedule**

Fiscal Year	Activity	Funding (dollars in thousands)
<b>FY 2014</b>	<ol style="list-style-type: none"> <li>1. Observe operations and conduct technical assessments and performance tests that examine the effectiveness of safety and security programs and policies, giving priority to the highest security interests, such as strategic quantities of special nuclear material, and activities that present the most significant safety risks to workers and the public, such as nuclear facilities and operations;</li> <li>2. Conduct performance tests for the highest-priority safeguards and security interests, including protective force tests (e.g., force-on-force exercises) using weapons simulation systems and a specially trained composite adversary team to assess overall security effectiveness;</li> <li>3. Conduct announced and unannounced internal and external network penetration testing to provide a full understanding of a site’s cyber security protection posture;</li> <li>4. Conduct the annual independent evaluation of classified information systems security programs for DOE as required by the Federal Information Security Management Act;</li> <li>5. Conduct an annual evaluation of classified information systems security programs for systems that process intelligence information on behalf of the DOE Office of Intelligence and Counterintelligence;</li> <li>6. Provide input to the DOE Office of Inspector General for the annual evaluation of the DOE unclassified information systems security program;</li> <li>7. Conduct annual “red team” cyber security assessments of the computer networks within the National Nuclear Security Administration weapons laboratories;</li> <li>8. Continue implementing enhancements to the nuclear safety independent oversight processes initiated in FY 2009 in response to GAO report GAO-09-61, Nuclear Safety: Department of Energy Needs to Strengthen its Independent Oversight of Nuclear Facilities and Operations, and as directed in the Omnibus Appropriations Act, 2009. Enhancements include refining the site lead program, in which HSS nuclear safety specialists are assigned to maintain awareness of operations and coordinate oversight activities for all DOE nuclear facilities; performing focused reviews that evaluate programs and processes for developing, maintaining, and implementing nuclear facility/activity safety bases and implementing safety basis technical safety requirements; evaluating the effectiveness of corrective actions; and conducting reviews of other related topical areas of interest;</li> <li>9. Conduct special reviews and studies of safety and security policies, programs, and implementation to identify needed program corrections;</li> <li>10. Develop reports identifying findings and opportunities for improvement; and</li> <li>11. Conduct follow-up reviews to evaluate corrective action effectiveness.</li> </ol>	25,879
<b>FY 2013</b>	Level of effort activity as described in FY 2014.	
<b>FY 2012</b>	Level of effort activity as described in FY 2014.	20,842

**Other Defense Activities  
Specialized Security Activities**

**Overview  
Appropriation Summary by Program**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Other Defense Activities			
Specialized Security Activities	186,699		196,322
Total, Other Defense Activities	186,699	187,842	196,322

(dollars in thousands)

	FY 2015 Request	FY 2016 Request	FY 2017 Request	FY 2018 Request
Other Defense Activities				
Specialized Security Activities	196,322	196,322	196,322	196,322
Total, Other Defense Activities	196,322	196,322	196,322	196,322

**Office Overview**

Funding is provided for this highly specialized area in support of national security objectives through extensive analytical capabilities.



**Other Defense Activities  
Office of Legacy Management**

**Overview  
Appropriation Summary by Program**

(Dollars in Thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Other Defense Activities			
Legacy Management	182,100	170,638	176,983
Subtotal, Other Defense Activities Appropriation	182,100	170,638	176,983
Use of Prior Year Balances	-12,500**	0	0
Total, Other Defense Activities	169,600	170,638	176,983

\*FY 2013 amounts shown reflect the P.L. 112-175 continuing resolution level annualized to a full year. These amounts are shown only at the “congressional control” level and above; below that level a dash (—) is shown.

\*\*Funding requirements in Fiscal Year (FY) 2012 used approximately \$12M in Office of Environmental Management (EM) unobligated prior year funding for Miamisburg (Mound Site) Post-Closure Administration. A portion of funding for Program Direction used \$0.5M of prior year unobligated balances.

**Office Overview and Accomplishments**

The Office of Legacy Management’s (LM) program is the final element of site remediation and closure after active remediation is complete – fulfilling the Department’s commitments to ensure protection of human health and the environment and ensure all contractual obligations for former contractor employees are met. The majority of LM’s activities are long-term, involved with maintaining the Department’s regulatory and contractual commitments. Short-term activities assist with the targeted outcome of the Strategic Plan to reduce the Cold War legacy waste site footprint. The mission of LM achieves the Secretary’s Goal of Securing Our Nation: Enhance nuclear security through defense nonproliferation and environmental efforts.

Within the Other Defense Activities Appropriation, LM provides funding for Long-Term Surveillance and Maintenance (LTS&M), Environmental Justice (EJ), Archives and Information Management, Pension and Benefit Continuity, Asset Management, and Program Direction.

As appropriate for the individual sites and activities, LM also funds Safeguards and Securities within the respective activities.

**Alignment to Strategic Plan**

Under the topic of Securing Our Nation in the Department’s May 2011 Strategic Plan, LM aligns most of Other Defense Activities/  
Legacy Management

its activities to two primary objectives: 1) Protect Human Health and the Environment; and, 2) Ensure a Long-Term Solution to the Cold War’s Environmental Legacy. In the Asset Management activity, LM also aligns some functions to the Strategic Plan goal of Transforming Our Energy Systems. Within that goal, certain LM functions assist in prudent development of our natural resources and in making the Federal government a leader in sustainability.

LM has established five goals for its program’s management.

1. Protect human health and the environment
2. Preserve, protect, and share records and information
3. Meet commitments to the contractor workforce
4. Optimize the use of land and assets
5. Sustain management excellence

**Explanation of Changes**

LM requests \$177M in FY 2014, which is \$5.1M less than the FY 2012 funding level.

During FY 2014, LM will continue its management of three major closure sites and almost 90 other small sites, manage records, and satisfy commitments to the former contractor workforce. New actions during FY 2014 include the addition of six sites, changes in scope on existing sites, one-time actions, and contract closeout costs for the LM support service contract. Increases

caused by new sites, other new actions and inflation rates for the various elements have been offset in part by LM's continuing effort to realize program and administrative efficiencies and a decrease in the need to contribute to former contractor workers' pension funds.

Because of an adjustment in the inflation assumptions, application of efficiencies in the management of the health benefits, conversion of workers to Medicare and mortality, medical cost projections decreased slightly in FY 2014.

**Goal Program Alignment Summary**

	1. Protect Human Health & Environment	2. Preserve, protect, and share records	3. Meet commitments to contractor workforce	4. Optimize use of lands and assets	5. Sustain management excellence
Other Defense Activities Appropriation					
Legacy Management	27%	8%	52%	5%	8%
<b>Total, Other Defense Activities Appropriation</b>	<b>27%</b>	<b>8%</b>	<b>52%</b>	<b>5%</b>	<b>8%</b>

**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 2012 Actual Cost	FY 2012 Planned Cost	FY 2013 Planned Cost	FY 2014 Planned Cost
Office of Legacy Management				
CERCLA Sites	1,440	1,954	1,791	1,442
Non-CERCLA Sites	1,749	1,179	901	860
<b>Total, Direct-Funded Maintenance and Repair</b>	<b>3,189</b>	<b>3,133</b>	<b>2,692</b>	<b>2,302</b>

**Other Defense Activities**

**Legacy Management  
Funding by Site by Program**

(Dollars in Thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Fernald Site	15,102	15,287	16,802
Grand Junction Office	30,599	31,998	32,867
Morgantown Office	14,435	15,457	14,158
Mound Site	23,311*	21,281	21,258
Paducah Gaseous Diffusion Plant	3,075	2,900	2,950
Pinellas Site	6,071	6,668	8,743
Portsmouth Gaseous Diffusion Plant	9,225	8,700	8,850
Rocky Flats Site	63,278	51,471	53,685
Washington Headquarters	13,889*	13,463	15,015
Weldon Spring Site Office	1,715	2,013	2,455
Yucca Mountain Site Office	1,400	1,400	200
<b>Total, Legacy Management</b>	<b>182,100*</b>	<b>170,638</b>	<b>176,983</b>

\*Funding requirements in FY 2012 used approximately \$12M in EM unobligated prior year funding for Miamisburg (Mound Site) Post-Closure Administration. A portion of funding for Program Direction used \$0.5M of prior year unobligated balances.

**Legacy Management  
Funding Profile by Subprogram**

(Dollars in Thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Legacy Management			
Legacy Management	169,514	---	163,271
Program Direction	12,586	---	13,712
Total, Legacy Management	182,100**	170,638	176,983

\*FY 2013 amounts shown reflect the P.L. 112-175 continuing resolution level annualized to a full year. These amounts are shown only at the “congressional control” level and above; below that level a dash (—) is shown.

\*\* Funding requirements in FY 2012 used approximately \$12M in EM unobligated prior year funding for Miamisburg (Mound Site) Post-Closure Administration. A portion of funding for Program Direction used \$0.5M of prior year unobligated balances.

**Public Law Authorizations**

Public Law 83-703, Atomic Energy Act of 1954, as amended

Public Law 95-91, Department of Energy Organization Act, 1977

Public Law 111-352, Government Performance and Results Modernization Act of 2010

Public Law 112-10, Department of Defense and Full-Year Continuing Appropriations Act, 2011

Public Law 112-74, Consolidated Appropriations Act, 2012

Public Law 112-81, National Defense Authorization Act for FY 2012

- Ensure the new LM support services contractor maintains the safety and effectiveness of remedy elements.
- Increase the number of sites without significant staffing increases.

**Subprogram Accomplishments and Milestones**

During FY 2014, LM will work toward the following key performance measures. Program Direction functions assist LM in accomplishing these program milestones.

<u>Milestone</u>	<u>Date</u>
• Maintain the protectiveness of all sites in accordance with legal agreements	Sept 30, 2014
• Reduce the cost of performing LTS&M activities by 2 percent below baseline while meeting all regulatory requirements	Sept 30, 2014

**Overview**

To support the Secretary’s goal of Securing Our Nation, the LM subprogram contains essential elements to assist in protecting human health and the environment and ensuring a long-term solution to the Cold War’s environmental legacy. LM supports this goal by performing LTS&M at closed and remediated sites, management of legacy archives and records, providing pension and post-retirement benefits (PRB) to former contractor workers, and asset management of the Department’s real and personal property. By funding the long-term activities in the LM program, other DOE programs are able to concentrate on risk reduction and site closure.

To ensure continued progress in remediating the Department’s Cold War legacy, LM must address the following challenges:

**Program Planning and Management**

All LM goals are consistent with the Department’s strategic goal of completing environmental restoration of our legacy and active sites. In particular, the LM goals are covered by the Departmental objectives of protecting human health and the environment and ensuring a long-term solution to the Cold War’s environmental legacy.

Since February 2007, LM has been an OMB-designated High Performance Organization (HPO) with a set of performance measures that were negotiated as part of the designation process. In 2012 LM requested redesignation as a HPO.

For activities beyond the Department’s control, LM has designed its program to reduce the risk from external factors. The greatest risk to program achievement is the cost of health insurance since those costs have historically increased at a rate higher than inflation.

**Strategic Management**

To meet legal, regulatory, and contractual commitments for legacy sites, LM will implement three key strategies:

1. Seek technological advances to reduce cost without loss of effectiveness.
2. Accept responsibility for a site only after all active remedies are in place and operating.
3. Conduct annual actuarial estimates to accurately predict pension plan contributions and health and life insurance costs.

Three external factors present the biggest impacts to the overall achievement of the program’s strategic goal:

1. A significant failure of the performance of a remedy could cause a site to be returned to EM for further remediation.
2. Increases in the cost of retired contractor health benefits.
3. Unforeseen changes in the stock and bond markets impact the retired contractor pension fund investments.

**Subprogram Goals and Funding**

LM’s funding ensures the Department’s commitments to protect human health and the environment and to satisfy all contractual obligations for former contractor employees are met.

**Goal Areas by Subprogram**

	1. Protect Human Health & Environment	2. Preserve, protect, and share records	3. Meet commitments to contractor workforce	4. Optimize the use of lands and assets	5. Sustain management excellence
Legacy Management	27%	8%	52%	5%	0%
Program Direction	0%	0%	0%	0%	8%
Total, Legacy Management	27%	8%	52%	5%	8%

**Explanation of Funding AND/OR Program Changes**

Subprogram/Explanation of Changes

(Dollars in Thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--	-----------------	-----------------	------------------------------------

**Legacy Management**

The decrease reflects changes in the funding requirements for pension and benefit continuity which are caused by the reduced need to contribute to the pension funds and the reduced estimates for medical benefits. The magnitude of the total decrease was partially offset by higher estimated expenses in LTS&M.

169,514\*                      163,271                      -6,243

**Program Direction**

The increase in funding in FY 2014 reflects inflation, Working Capital Fund increases, and two additional FTEs above the FY 2012 level partially offset by reduced use of support contractors.

12,586\*\*                      13,712                      +1,126

TOTAL Funding Change, Legacy Management

182,100                      176,983                      -5,117

\*This amount includes use of \$12M in EM unobligated prior year funding.

\*\*A portion of funding for Program Direction was being satisfied by using \$0.5M of prior year unobligated balances.

## Legacy Management Overview

The mission of the LM program is to fulfill the Department’s post-closure responsibilities and ensure the future protection of human health and the environment. As part of the mission, LM performs LTS&M, pension and PRB continuity for former contractor workers, archives and information management, and asset (real and personal property) management.

The LM program provides benefits to the Department following mission change or site closure. For sites where cleanup is completed, LM activities ensure the remediation measures implemented during closure are protecting human health and the environment, pension and post-retirement commitments to the contractor workforce are being satisfied, and other Departmental legacy responsibilities are met. By managing the real and personal property assets that remain after cleanup and closure, LM helps the Department reduce the magnitude of its physical resource management, the costs associated with such management, and actively promotes the beneficial reuse of mission excess properties. Other asset management functions also contribute to DOE Strategic Plan objectives of prudently developing natural resources and making the Federal government a leader in sustainability.

### Benefits

- Monitor and conduct long-term treatment at LM sites in accordance with legal, contractual, and regulatory agreements to fulfill the Department’s post-closure responsibilities and ensure the future protection of human health and the environment.
- Provide public access to information about current site activities and historical data and documents.
- Meet DOE’s commitments for retired contractors’ pensions and PRB.
- Promote beneficial reuse on DOE properties and promote sustainability in LM operations.

### Funding Schedule

Fiscal Year	Line Item	Funding (Dollars in Thousands)
FY 2012	<ul style="list-style-type: none"> <li>• Protect human health and the environment at 87 existing sites.</li> <li>• During FY 2012, add two additional sites.</li> <li>• Preserve, protect, and share records.</li> <li>• Meet pension and post-retirement commitments to workers from eight sites.</li> <li>• Optimize the use of land and assets.</li> <li>• Sustain management excellence.</li> </ul>	182,100*
FY 2013	Planned activities in the FY 2013 Budget: <ul style="list-style-type: none"> <li>• Protect human health and the environment at 89 sites.</li> <li>• Additional three sites by end of year FY 2013.</li> <li>• Preserve, protect, and share records; complete transition of Yucca Mountain data and records.</li> <li>• Meet pension and post-retirement commitments to workers from eight sites.</li> <li>• Optimize the use of land and assets.</li> <li>• Sustain management excellence.</li> </ul>	170,638

Fiscal Year	Line Item	Funding (Dollars in Thousands)
FY 2014	<ul style="list-style-type: none"> <li>• Protect human health and the environment at 92 sites; one-time drilling activity at the Shoal Site; analysis of alternative groundwater treatment at the Pinellas site; and preparation for additional site transitions. Additional six sites by end of year FY 2014.</li> <li>• Preserve, protect, and share records.</li> <li>• Meet pension and post-retirement commitments to former contractor workers from eight sites.</li> <li>• Optimize the use of land and assets; manage uranium leases, land management and sustainability initiatives.</li> <li>• Sustain Management excellence.</li> </ul>	176,983

\*Funding requirements in FY 2012 used approximately \$12M in EM unobligated prior year funding for Miamisburg (Mound Site) Post-Closure Administration. A portion of funding for Program Direction used \$0.5M of prior year unobligated balances.

**Legacy Management  
Funding Profile by Subprogram and Activities**

(Dollars in Thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Legacy Management Subprogram			
Long-Term Surveillance and Maintenance	38,801	---	46,205
Environmental Justice	1,303	---	1,303
Archives and Information Management	14,435	---	14,158
Pension and Benefit Continuity	106,785**	---	92,374
Asset Management	8,190	---	9,231
Subtotal, Legacy Management Subprogram	169,514	---	163,271
Program Direction	12,586***	---	13,712
Total, Legacy Management Program	182,100	170,638	176,983

\*FY 2013 amounts shown reflect the P.L. 112-175 continuing resolution level annualized to a full year. These amounts are shown only at the "congressional control" level and above; below that level a dash (—) is shown.

\*\*This amount includes use of \$12M in EM unobligated prior year funding.

\*\*\*A portion of funding for Program Direction was being satisfied by using \$0.5M of prior year unobligated balances.

**Overview**

The LM subprogram contains essential elements to assist the Department in achieving the strategic goal of providing a long-term solution to the environmental legacy of the Cold War and ensure that DOE fulfills its long-term commitments to protect human health and the environment and continue providing benefits to former contractor workers. By funding the long-term activities in the LM program, other DOE programs are able to concentrate on risk reduction and site closure.

**Explanation of Funding Changes**

(Dollars in Thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
<b>Long-Term Surveillance and Maintenance</b>			
An increased request is due to one-time drilling activities at the Shoal Site, analysis of alternative groundwater treatment at the Pinellas site, and transition of additional sites.	38,801	46,205	+7,404
<b>Environmental Justice</b>			
No change.	1,303	1,303	0
<b>Archives and Information Management</b>			
No significant change	14,435	14,158	-277
<b>Pension and Benefit Continuity</b>			
The decrease reflects the reduced need to contribute to the retired contractor pension funds during FY 2014 and adjustments in the assumptions used in post-retirement benefit cost estimations.	106,785*	92,374	-14,411
<b>Asset Management</b>			
In FY 2014, the prime contact labor increased due to increased real property activities to support existing sites and for planning site transfers. Personal property support also increased due to revised personal property requirements.	8,190	9,231	+1,041
Total, Legacy Management	169,514	163,271	-6,243

\*This amount includes use of \$12M in EM unobligated prior year funding.

**Long-Term Surveillance and Maintenance**

**Overview**

This activity is required for remediated sites. Before transferring to LM, cleanup is performed to a level that protects human health and the environment. DOE monitors sites to ensure that level continues to be maintained.

The funding requested for FY 2014 will allow LM to monitor and conduct long-term treatment at its sites in accordance with legal, contractual, and regulatory agreements. Routine functions include soil, water, and air monitoring, long-term treatment of contaminants, maintenance of disposal cells, and maintaining security for the sites and other resources associated with the sites. The FY 2014 request also includes a replacement well at the Shoal site (NV) and analysis of alternative groundwater treatment at the Pinellas, FL site. This latter element has the possibility, if approved by regulators, of reducing long-term costs at that site. Funding will also assist in preparing for the future transition of other sites to LM.

Funding for this activity is required to satisfy legal and regulatory commitments for LM sites. A related cost, directly supporting this activity and embedded within the total activity cost, is safeguards and security for LM properties. The costs include protective forces and physical security systems as follows: FY 2012 - \$139K; FY 2013 - \$139K; and FY 2014 - \$144K.

**Funding and Activity Schedule**

Fiscal Year	Activity	Funding (Dollars in Thousands)
FY 2012	<ul style="list-style-type: none"> <li>Continued surveillance and maintenance at 87 sites.</li> <li>Accepted responsibility for the Mound site and the Inhalation Technology Laboratory (ITL) transferred by the FY 2012 appropriation.</li> </ul>	38,801
FY 2013	Planned activities in the FY 2013 Budget (final allocations have not yet been determined): <ul style="list-style-type: none"> <li>Continue surveillance and maintenance at 89 sites.</li> <li>Accept responsibility for three additional sites.</li> </ul>	---
FY 2014	<ul style="list-style-type: none"> <li>Continue surveillance and maintenance at 92 sites.</li> <li>Accept responsibility for six other sites scheduled to transfer to LM.</li> <li>Drill a replacement well at the Shoal site.</li> <li>Analyze alternative groundwater treatment at the Pinellas, FL site.</li> </ul>	46,205

**Environmental Justice**

**Overview**

Executive Order 12898, Federal Actions to Address Environmental Justice (EJ) in Minority and Low-Income Populations, directed each Federal agency to make achieving EJ part of its mission. The fundamental principle of EJ is that all stakeholders should have meaningful and informed participation in all aspects of environmental decision-making that could affect their community. This activity is the Department’s focus for compliance with the Executive Order.

LM provides leadership to the Department-wide EJ Program. LM’s mission-related to Environmental Justice is long-term surveillance and stewardship of sites cleaned up and transferred to LM to ensure there remains no adverse human health or environmental effects on minority and low-income and tribal populations. LM’s mission is aligned with the environmental nature of the EJ Program to ensure health and safety for those stakeholders and communities adjacent to DOE sites.

This program includes activities/grants using expertise from Historically Black Colleges and Universities, Minority Serving Institutions, Tribal Colleges and other organizations to provide assistance to enable communities around DOE sites to address EJ issues, such as:

- Environmental Justice Community Education and Advisory Project
- Community Capacity Building Through Technology
- Community Leaders Institute
- Environmental Justice Training for DOE Federal and Contractor Personnel
- Environmental Justice Interagency Working Group

The FY 2014 funding continues actions under a memorandum of understanding (MOU) that was first implemented in the FY 2012 budget. That MOU includes participation from 17 Federal agencies to collaboratively work with communities to increase their ability to sustain a healthy quality of life.

**Funding and Activity Schedule**

Fiscal Year	Activity	Funding (Dollars in Thousands)
FY 2012	<ul style="list-style-type: none"> <li>• Continued EJ functions as the Departmental focus for that program element.</li> <li>• Promoted EJ functions in the communities affected by DOE closure actions</li> </ul>	1,303
FY 2013	Planned activities in the FY 2013 Budget (final allocations have not yet been determined): <ul style="list-style-type: none"> <li>• Continue EJ functions as the Departmental focus for that program element.</li> <li>• Promote EJ functions in the communities affected by DOE closure actions.</li> </ul>	---
FY 2014	<ul style="list-style-type: none"> <li>• Continue EJ functions as the Departmental focus for that program element.</li> <li>• Promote EJ functions in the communities affected by DOE closure actions.</li> </ul>	1,303

**Archive and Information Management**

**Overview**

LM is the custodian of legacy physical and electronic records for LM sites including Fernald, Mound, and Rocky Flats. In FY 2012, the management of records for the Mound site as well as the responsibility for physical records, electronic records, and the Licensing Support Network (LSN) from the Yucca Mountain project transferred to LM. LM is now responsible for approximately 110,000 cubic feet of physical records, and more than 100 terabytes of electronic files.

This activity is important for LM as the custodian of legacy records for numerous closed sites. Within this activity, LM provides records management services for its active program elements and maintains legacy archives of inherited collections, including electronic records and records in other mediums, e.g., x-ray film. Elements include records management policy and procedure development, planning, and development of oversight processes and actions that guide and govern physical and electronic records management operations. This latter element includes critical preservation efforts for fragile or deteriorating records. The archives and information management activity also includes managing records over the standard record life-cycle and developing records retention schedules in conjunction with National Archives and Records Administration (NARA) requirements. These functions encompass operational records retention, records maintenance and use, and records disposition processes and activities to ensure proper documentation of LM’s environmental protection, environmental remediation, and hazardous waste disposition-related policies and activities.

The activity has frequent public interactions through support of requests associated with the Freedom of Information Act (FOIA), Privacy Act, and other information requests and DOE stakeholders processing claims associated with the Energy Employees Occupational Illness Compensation Program Act (EEOICPA). LM currently receives about 1,100 information requests each year for sites transferred through FY 2012.

This activity also provides LM's information management and technology needs. Many of today’s records are electronic as are many of the legacy records from LM sites; as a backup, many physical records are being duplicated in a digital format.

Other Defense Activities/  
Legacy Management

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

The cost of the embedded cyber security functions are as follows: FY 2012 - \$1,204K; FY 2013 - \$660K; and FY 2014 - \$670K.

**Funding and Activity Schedule**

Fiscal Year	Activity	Funding (Dollars in Thousands)
FY 2012	<ul style="list-style-type: none"> <li>Continued records/IT management functions for all sites and activities.</li> <li>Accepted responsibility for records/IT, including the LSN from the Yucca Mountain site, Mound, and other smaller sites transferred to LM.</li> </ul>	14,435
FY 2013	Planned activities in the FY 2013 Budget (final allocations have not yet been determined): <ul style="list-style-type: none"> <li>Continue records/IT management functions for all sites and activities;</li> </ul>	---
FY 2014	<ul style="list-style-type: none"> <li>Continue records/IT management functions for all sites and activities.</li> </ul>	14,158

**Pension and Benefit Continuity**

**Overview**

This activity fulfills the Department's commitment to its former contractor employees from closure sites. For sites that have been closed following the end of active programs and completion of site remediation, LM is responsible for ensuring the former contractor employees receive the pensions and PRB that are part of the contractual agreements for the respective sites. Dependent upon the contract provisions for the respective sites, LM may provide former contractor employees with all or some of the following benefits: pension fund contributions, health insurance, Medicare Part B, and life insurance.

In FY 2014, LM will administer pensions and/or PRB for eight sites: Fernald (OH), Grand Junction (CO), Mound (OH), Paducah (KY), Pinellas (FL), Portsmouth (OH), Rocky Flats (CO) and Yucca Mountain (NV) project.

The number of participants – in some cases, including spouses – in the pension and/or benefit plans are ~11,000. The total number of participants is expected to decrease over time due to a closed participant population and normal mortality. While several factors have caused the request for FY 2014 to satisfy funding requirements completely within the funding target, projections for the outyears require over-target funding. To satisfy expected increased medical costs, funding requirements are projected to increase through FY 2021. At that time conversion to Medicare and participant mortality will combine to cause cost reductions each year despite medical inflation.

**Funding and Activity Schedule**

Fiscal Year	Activity	Funding (Dollars in Thousands)
FY 2012	<ul style="list-style-type: none"> <li>Paid pensions and/or benefits for six sites.</li> <li>Added two sites in FY 2012: Mound and Yucca Mountain Sites.</li> </ul>	106,785*

Fiscal Year	Activity	Funding (Dollars in Thousands)
FY 2013	Planned activities in the FY 2013 Budget (final allocations have not yet been determined): <ul style="list-style-type: none"> <li>Continue to pay pensions and/or benefits for eight sites.</li> </ul>	---
FY 2014	<ul style="list-style-type: none"> <li>Continue to pay pensions and/or benefits for eight sites.</li> </ul>	92,374

\*This amount includes use of \$12M in EM unobligated prior year funding.

## Asset Management

### Overview

This activity will assist the Department in achieving the targeted outcome of reducing the Cold War legacy waste site footprint.

LM manages tens of thousands of acres of land and other assets. This activity focuses on management of those assets – including administration of leases for property used in program functions, infrastructure and facility management – and on reuse or transfer of the real and personal property to other agencies or private interests. Transferring land to a private interest allows the land to be reused productively, reduces the Department’s “footprint,” and resumes payment of local property taxes. Under the Department’s Strategic Plan, transferring resources to non-DOE ownership has become a priority. LM has a target to transfer five properties by the end of FY 2016. Reduced costs of managing LM leases have also contributed to the decrease in funding requirements for this activity.

This activity also includes leases for uranium mining on selected Federal lands in Colorado. By managing land for domestic production of uranium, LM enables prudent development of our natural resources. Uranium lease management will continue to strengthen LM’s capacity for long-term management of uranium-related issues.

LM is a recognized leader within DOE in sustainability of resources which assists DOE in attaining goals identified in Executive Orders 13423 and 13514, the DOE Strategic Sustainability Program Plan, and DOE Order 436.1. The asset management activity is responsible for promoting energy saving and other resource conservation measures in the operation of LM’s facilities. LM’s budget request for FY 2013 included a one-time investment in sustainability initiatives. Continued actions will involve less funding, contributing to the decrease in funding requirements for this activity.

A related cost directly supporting this activity and embedded within the total activity cost is safeguards and security for LM properties. The costs include protective forces, physical security systems, personnel security, information security, and program management as follows: FY 2012 – 762K; FY 2013 - 797K; and FY 2014 – 642K.

### Funding and Activity Schedule

Fiscal Year	Activity	Funding (Dollars in Thousands)
FY 2012	<ul style="list-style-type: none"> <li>Continued asset management support for 87 existing sites.</li> <li>Added two sites during FY 2012.</li> <li>Managed infrastructure and facilities at LM sites.</li> <li>Continued management of the Uranium Leasing Program.</li> <li>Continued efforts in the DOE sustainability initiative.</li> <li>Continued to increase and manage beneficial reuse initiatives at sites available for reuse.</li> <li>Disposed of one property during FY 2012.</li> </ul>	8,190

Fiscal Year	Activity	Funding (Dollars in Thousands)
FY 2013	Planned activities in the FY 2013 Budget (final allocations have not yet been determined): <ul style="list-style-type: none"> <li>• Continue asset management support for 89 existing sites.</li> <li>• Add three sites by end of the year FY 2013.</li> <li>• Manage infrastructure and facilities at LM sites.</li> <li>• Continue management of the Uranium Leasing Program.</li> <li>• Continue efforts in the DOE sustainability initiative.</li> <li>• Continue to increase and manage beneficial reuse initiatives at sites available for reuse.</li> <li>• Disposition of one property during FY 2013.</li> <li>• Complete one-time investment in sustainability initiatives.</li> </ul>	---
FY 2014	<ul style="list-style-type: none"> <li>• Continue asset management support for 92 existing sites.</li> <li>• Add six sites by end of the year FY 2014.</li> <li>• Manage infrastructure and facilities at LM sites.</li> <li>• Continue management of the Uranium Leasing Program.</li> <li>• Continue efforts in the DOE sustainability initiative.</li> <li>• Continue to increase and manage beneficial reuse initiatives at sites available for reuse.</li> <li>• Disposition of two properties during FY 2014.</li> </ul>	9,231



**Office of Legacy Management**

**Program Direction  
Funding Profile by Category**

(Dollars in Thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Headquarters			
Salary & Benefits	9,168	---	9,906
Travel	508	---	508
Support Services	1,000	---	985
Other Related Expenses	1,910	---	2,313
Total, Headquarters	12,586**	---	13,712
Full Time Equivalents	60	61	62

\* The final FY 2013 allocations have not yet been determined

\*\* A portion of the funding for Program Direction used \$0.5M of prior year unobligated balances

**Public Law Authorizations**

Public Law 83-703, Atomic Energy Act of 1954, as amended

Public Law 95-91, Department of Energy Organization Act, 1977

Public Law 111-352, Government Performance and Results Modernization Act of 2010

Public Law 112-10, Department of Defense and Full-Year Continuing Appropriations Act, 2011

Public Law 112-74, Consolidated Appropriations Act, 2012

Public Law 112-81, National Defense Authorization Act for FY 2012

**Overview**

- The LM mission is carried out by a workforce composed mainly of contractors paid primarily from program funds. Oversight, policy, and inherently governmental functions (e.g., contract administration and budget formulation and execution) are provided by a small Federal workforce funded from Program Direction. Within the Program Direction subprogram, the majority of costs are associated with Federal personnel salaries and benefits.
- From 2007 through FY 2012, LM had limited the number of Federal FTEs to 60 or fewer. The FY 2014 request supports two additional FTEs for new sites being transferred to LM.
- LM has been recognized as a HPO since 2007. During the five years since receiving the HPO designation, LM has realized cost savings of \$15M and reduced its FTEs by 28 percent.

**Accomplishments and Strategic Initiatives**

As noted above, LM’s initial HPO proposal reduced FTEs and saved \$3M per year with a total savings of \$15M over the five-year period. To continue its cost saving efforts, LM has applied for the renewal of its designation as an HPO. Applications of the HPO principles will allow LM to sustain current Program Direction costs (adjusted for inflation) while adding program scope. LM will strive to manage increasing site responsibility within the established travel ceilings.

**Alignment to Strategic Plan**

The Program Direction funding will allow LM to support the Secretary’s goal of Management and Operational Excellence. LM’s Program Direction funding will promote achieving operational and technical excellence and implementing a performance-based culture. As a HPO, each employee must perform to the fullest extent possible. Such requirements are imperative if LM is to achieve the objective of developing the most highly qualified, capable and flexible Federal workforce. The HPO designation requires rigorous pursuit of challenging performance goals designed to measure accomplishment of all critical elements of the LM program.

**Major Programmatic Shifts or Changes**

The FY 2014 request includes two FTEs above the

FY 2012 level to manage the transfer and operation of additional sites.

**Explanation of Funding AND/OR Program Changes**

(Dollars in Thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Salaries and Benefits			
Increase is due to within grade increases and two additional FTEs above the FY 2012 level	9,168	9,906	+738
Travel			
No change	508	508	0
Support Services			
No significant changes	1,000	985	-15
Other Related Expenses			
Increase is due to the cost of a closeout audit of LM's current support contractor	1,910	2,313	+403
<b>Total Funding Change, Program Direction</b>	<b>12,586</b>	<b>13,712</b>	<b>+1,126</b>

**Support Services by Category**

(Dollars in Thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Technical Support Services			
System Definition	120	120	--
<b>Total, Technical Support Services</b>	<b>120</b>	<b>120</b>	<b>--</b>
Management Support Services			
Manpower Systems Analysis	136	136	--
Training and Education	102	102	--
Analysis of DOE Management Processes	165	165	--
Reports and Analyses Management and General Administrative Support	477	462	-15
<b>Total, Management Support Services</b>	<b>880</b>	<b>865</b>	<b>-15</b>
<b>Total, Support Services</b>	<b>1,000</b>	<b>985</b>	<b>-15</b>

**Other Related Expenses by Category**

(Dollars in Thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Other Related Expenses			
Other Services	166	292	+126
DOE/COE	192	130	-62
Working Capital Fund	1,552	1,891	+339
<b>Total, Other Related Expenses</b>	<b>1,910</b>	<b>2,313</b>	<b>+403</b>

Other Defense Activities/  
Legacy Management

**Idaho Sitewide Safeguards & Security  
Funding Profile by Subprogram**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Idaho Sitewide Safeguards & Security			
Protective Forces	51,484	---	0
Security Systems	14,208	---	0
Information Security	1,966	---	0
Personnel Security	5,117	---	0
Material Control & Accountability	4,096	---	0
Program Management	5,765	---	0
Cyber Security	10,714	---	0
Total, Idaho Sitewide Safeguards & Security	93,350	93,921	0 <sup>a</sup>

\*Note: FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the "congressional control" level and above; below that level a dash (—) is shown.

<sup>a</sup> Funding for Idaho Sitewide Safeguards and Security is being requested within Nuclear Energy in FY 2014.

**Public Law Authorizations**

P.L. 112-74, Consolidated Appropriations Act, 2012

**Overview**

The Idaho Sitewide Safeguards and Security (S&S) program supports the Idaho National Laboratory (INL) complex nuclear facility infrastructure and enables the Office of Nuclear Energy (NE) to conduct research and development in support of multiple program missions.

In FY 2014, funding for the Idaho Sitewide Safeguards and Security program is requested within Nuclear Energy. In FY 2013, funding for this activity was requested within Nuclear Energy; however, it is being executed within Other Defense Activities pursuant to H.R. 933, Consolidated and Continuing Appropriations, 2013.

The S&S program funds all physical and cyber security activities for the INL, providing protection of the Department of Energy's (DOE) nuclear materials, classified and unclassified matter, Government property, personnel and other vital assets from theft, diversion, sabotage, espionage, unauthorized access, compromise, and other hostile acts that may cause unacceptable adverse impacts on our national security; program continuity; or the health and safety of employees, the public, or the environment.

The S&S program at the INL benefits the site infrastructure and users by providing the safeguards and security functions required at DOE sites to enable research and development (R&D) utilizing nuclear materials and protected information. In addition to the Office of Nuclear

Energy R&D activities, S&S enables a range of national security programs that support the National Nuclear Security Administration (NNSA) and other Federal agencies including the Department of Homeland Security in the areas of critical infrastructure protection and nuclear nonproliferation. Safeguards and security functions are also provided through the INL S&S program which enables the Department of the Army, the Department of the Navy, and NNSA Naval Reactors mission activities.

In order to maximize the benefits of nuclear security, the S&S program will work in FY 2013 to address the following challenges:

- Support the development of Department and program specific long-term nuclear materials management plans that address operational demand, on-site storage/consolidation and disposition.
- Develop implementation strategies for new or evolving Federal and DOE specific physical and cyber security requirements.
- Modernize and maintain physical and cyber security infrastructure, systems and equipment.

**Program Planning and Management**

The goal of the INL Sitewide S&S program is to maintain, with high confidence, a robust, highly-effective, efficient, and cost-effective safeguards and security operational strategy aligned with site-specific characteristics and the DOE and NE missions. The S&S operations strategy, as outlined in INL Site-Specific Security Plan, is to limit adverse effects on INL operations, assets and personnel.

Other Defense Activities/

Idaho Sitewide Safeguards & Security

As in FY 2012, the program provides direct funding for the S&S base program for NE. Base program costs determined to be allocable, i.e., beneficial to Work for Others (WFO), will be paid by WFO via full cost recovery. The costs for WFO-specific security requirements beyond the S&S base program that are specifically requested or driven by the WFO project will be directly charged to those customers as appropriate.

**Estimate of Security Cost Recovered by Nuclear Energy, Idaho Sitewide Safeguards and Security**

(dollars in thousands)

	FY 2012	FY 2013	FY 2014
--	---------	---------	---------

Idaho National Lab. (INL)	2,763	2,800	2,800
Total, INL	2,763	2,800	2,800

**Strategic Management**

In meeting the identified challenges to nuclear security, the Department will implement three key strategies to more effectively manage the Idaho Sitewide S&S program, thus putting the taxpayers’ dollar to more productive use.

1. Conduct peer reviews, self assessments, and benchmark studies to identify cost-effective opportunities to implement comprehensive risk-based approaches that address changing threats and requirements for both physical and cyber security.
2. Utilize the authority requested and granted in the FY 2012 request to charge Work for Other (WFO) customers and other users that drive base S&S costs.
3. Support the implementation nuclear material consolidation and disposition plans to reduce total ma-

terial holds and storage locations over the next 5-7 years.

Three external factors present the strongest potential impacts on the overall achievement of the program’s strategic goal:

- New and/or evolving DOE Orders impacting physical security requirements.
- New and/or evolving DOE Orders and Federal requirements impacting cyber security.
- Ability of external programs/organizations to meet commitments identified in the INL material consolidation and disposition plan.

**Subprogram Goals and Funding**

U.S. Department of Energy Strategic Plan/ Office of Nuclear Energy Research and Development Roadmap Goal: Energy Security.

The Idaho Sitewide S&S program supports Department’s strategic goal of Energy Security by protecting INL facilities and infrastructure, enabling NE to conduct research and development (R&D) in support of multiple program missions.

U.S. Department of Energy Strategic Plan: Nuclear Security

The Idaho Sitewide S&S program supports the Department’s strategic goal of Nuclear Security, to “*enhance nuclear security through defense, nonproliferation, and environmental efforts*” by securing the Idaho National Laboratory (INL) complex and enabling a safe and secure environment to conduct NE R&D as well as other Departmental R&D in the areas of defense and nonproliferation.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
-----------------	-----------------	------------------------------------

**Protective Forces**

The decrease from \$51,484,000 to \$0 reflects the transfer of Idaho Sitewide S&S from Other Defense Activities to Nuclear Energy.

51,484                      0                      -51,484

**Security Systems**

The decrease from \$14,208,000 to \$0 reflects the transfer of Idaho Sitewide S&S from Other Defense Activities to Nuclear Energy.

14,208                      0                      -14,208

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
<b>Information Security</b>			
The decrease from \$1,966,000 to \$0 reflects the transfer of Idaho Sitewide S&S from Other Defense Activities to Nuclear Energy.	1,966	0	-1,966
<b>Personnel Security</b>			
The decrease from \$5,117,000 to \$0 reflects the transfer of Idaho Sitewide S&S from Other Defense Activities to Nuclear Energy.	5,117	0	-5,117
<b>Material Control &amp; Accountability</b>			
The decrease from \$4,096,000 to \$0 reflects the transfer of Idaho Sitewide S&S from Other Defense Activities to Nuclear Energy.	4,096	0	-4,096
<b>Program Management</b>			
The decrease from \$5,765,000 to \$0 reflects the transfer of Idaho Sitewide S&S from Other Defense Activities to Nuclear Energy.	5,765	0	-5,765
<b>Cyber Security</b>			
The decrease from \$10,714,000 to \$0 reflects the transfer of Idaho Sitewide S&S from Other Defense Activities to Nuclear Energy.	10,714	0	-10,714
<b>TOTAL Funding Change, Idaho Sitewide Safeguards and Security Program</b>	93,350	0	-93,350

## Protective Forces Overview

Protective Force provides security police officers (SPO's) and other specialized personnel, equipment, training, and management needed during normal and security emergency conditions for adequate protection of Special Nuclear Material (SNM), classified and sensitive information, Government property and personnel. Protective force personnel are deployed 24 hours a day, 7 days a week, across the 890 square miles of the INL site to deter, detect, delay and respond to adversarial threats. Funding needs are based on protection strategies designed to ensure adequate protective force staffing levels, equipment, facilities, training, management and administrative support are available to respond to any security incident outlined in Site-Specific Security Plans.

### Benefits

Idaho Sitewide S&S enables work with SNM and classified matter at the INL supporting NE R&D and other activities for a broad national security customer base including the Department of the Navy, Department of the Army, Department of Homeland Security, and the National Nuclear Security Administration.

- Fuel Cycle Development
- Reduced Enrichment Research & Test Reactors (RERTR)
- Space Defense and Power Systems
- Idaho Facilities Management Material Consolidation and Disposition Activities

Idaho Sitewide S&S also enables work with SNM and classified matter at the INL supporting R&D and other activities for a broad national security customer base including the Department of the Navy, Department of the Army, Department of Homeland Security, and the National Nuclear Security Administration.

### Funding and Activity Schedule

Fiscal Year	Activity	Funding (dollars in thousands)
FY 2012	<ul style="list-style-type: none"> <li>• Maintained a protective force consistent with the Site Specific Security Plan and approved site labor wage agreement, and associated training activities, including facilities, required to maintain protective force qualifications. Also provided funding to purchase replacement protective force equipment such as ammunition, weapons, and protective gear that is at the end of life cycle.</li> </ul>	51,484
FY 2013	Planned activities in the FY 2013 Budget (final allocations have not yet been determined): <ul style="list-style-type: none"> <li>• Funding for this activity was requested within Nuclear Energy in the FY 2013 Congressional Budget Request; however, it is being executed within Other Defense Activities per the conditions of the current continuing resolution.</li> <li>• Provides funds to maintain a protective force consistent with the Site Specific Security Plan and approved site labor wage agreement, and associated training activities, including facilities, required to maintain protective force qualifications. Also provides funding to purchase replacement protective force equipment such as ammunition, weapons, and protective gear that is at the end of life cycle.</li> </ul>	---
FY 2014	<ul style="list-style-type: none"> <li>• Funding for this activity is being requested within Nuclear Energy.</li> </ul>	0

## Security Systems Overview

Security Systems provides equipment to protect vital security interests and Government property, including performance testing, intrusion detection and assessment, entry and search control, barriers, secure storage, lighting, sensors, entry/access control devices, locks, explosives detection, and tamper-safe monitoring. Security Systems provides maintenance of approximately 4,600 security alarms and 6,100 security locks at multiple INL security areas ensuring 24 hour a day, 7 days a week operation of these systems. Maintaining a reliable physical security infrastructure allows the Idaho Sitewide S&S program to maintain consistent/lower staffing levels and lower labor costs.

### Benefits

Idaho Sitewide S&S enables work with SNM and classified matter at the INL supporting NE R&D and other activities for a broad national security customer base including the Department of the Navy, Department of the Army, Department of Homeland Security, and the National Nuclear Security Administration.

- Fuel Cycle Development
- Reduced Enrichment Research & Test Reactors (RERTR)
- Space Defense and Power Systems
- Idaho Facilities Management Material Consolidation and Disposition Activities

### Funding and Activity Schedule

Fiscal Year	Activity	Funding (dollars in thousands)
FY 2012	<ul style="list-style-type: none"> <li>• Provided funds to plan and conduct preventative and corrective maintenance on approximately 4,600 security alarms and 6,100 security locks at multiple INL security areas to ensure 24 hour operation of these systems, including the replacement of badge readers and security screening equipment that have exceeded useful life and a complete rewrite of the Security Information Management System (SECIMS) database and replacement of its aging host computers. Funds also supported the operation of INL central alarm stations which monitor security area access and development/modification of security alarm systems to maintain compliance with Departmental Requirements.</li> </ul>	14,208
FY 2013	<p>Planned activities in the FY 2013 Budget (final allocations have not yet been determined):</p> <ul style="list-style-type: none"> <li>• Funding for this activity was requested within Nuclear Energy in the FY 2013 Congressional Budget Request; however, it is being executed within Other Defense Activities per the conditions of the current continuing resolution.</li> <li>• Provides funds to plan and conduct preventative and corrective maintenance on approximately 4,600 security alarms and 6,100 security locks at multiple INL security areas to ensure 24 hour operation of these systems. Funds also support the operation of INL central alarm stations which monitor security area access and development/modification of security alarm systems to maintain compliance with Departmental Requirements, including completion of replacement of the database required to maintain badge credentials.</li> </ul>	---
FY 2014	<ul style="list-style-type: none"> <li>• Funding for this activity is being requested within Nuclear Energy.</li> </ul>	0

## Information Security Overview

Information Security provides for the protection and control of classified and sensitive matter that is generated, received, transmitted, used, stored, reproduced or destroyed at the INL. The Classified Matter Protection and Control Program and Operations Security Program ensure that classified and sensitive unclassified matter is appropriately managed and adequately protected and controlled to prevent access by unauthorized individuals and that those individuals that do have access are trained to handle classified matter. Information Security executes the Technical Security Countermeasures (TSCM) program and conducts TSCM surveys.

### **Benefits**

Idaho Sitewide S&S enables work with SNM and classified matter at the INL supporting NE R&D and other activities for a broad national security customer base including the Department of the Navy, Department of the Army, Department of Homeland Security, and the National Nuclear Security Administration.

- Fuel Cycle Development
- Reduced Enrichment Research & Test Reactors (RERTR)
- Space Defense and Power Systems
- Idaho Facilities Management Material Consolidation and Disposition Activities

### **Funding and Activity Schedule**

Fiscal Year	Activity	Funding (dollars in thousands)
FY 2012	<ul style="list-style-type: none"> <li>• Implemented INL information security activities to protect classified and sensitive unclassified matter, including the following programs: Classified Matter and Control, Technical Surveillance Countermeasure, Classification/ Declassification, and Operations Security. Funds also supported coordination activities with INL R&amp;D programs to develop project-specific security requirements within the context of the overall INL information security program.</li> </ul>	1,966
FY 2013	<p>Planned activities in the FY 2013 Budget (final allocations have not yet been determined):</p> <ul style="list-style-type: none"> <li>• Funding for this activity was requested within Nuclear Energy in the FY 2013 Congressional Budget Request; however, it is being executed within Other Defense Activities per the conditions of the current continuing resolution.</li> <li>• Provides funds to implement INL information security activities to protect classified and sensitive unclassified matter, including programs for: Classified Matter and Control, Technical Surveillance Countermeasures, Classification/Declassification, and Operations Security. Funds also support coordination activities with INL R&amp;D programs to develop project-specific security requirements within the context of the overall INL information security program.</li> </ul>	---
FY 2014	<ul style="list-style-type: none"> <li>• Funding for this activity is being requested within Nuclear Energy.</li> </ul>	0

## Personnel Security Overview

Personnel Security provides for access to classified and sensitive information and assignment of personnel in sensitive positions through the clearance program, adjudication, security awareness and education, U.S. citizen and foreign visitor control, Human Reliability Program, psychological/medical assessments, and administrative review costs. Personnel security also provides for the annual cost to support the database that maintains smart card credentials for INL personnel and badging requirements.

### Benefits

Idaho Sitewide S&S enables work with SNM and classified matter at the INL supporting NE R&D and other activities for a broad national security customer base including the Department of the Navy, Department of the Army, Department of Homeland Security, and the National Nuclear Security Administration.

- Fuel Cycle Development
- Reduced Enrichment Research & Test Reactors (RERTR)
- Space Defense and Power Systems
- Idaho Facilities Management Material Consolidation and Disposition Activities

### Funding and Activity Schedule

Fiscal Year	Activity	Funding (dollars in thousands)
FY 2012	<ul style="list-style-type: none"> <li>• Maintained operations of INL personnel security programs including ensuring the suitability of INL personnel, visiting U.S and foreign researchers to work in selected sensitive subject areas and the annual cost to support the database that maintains smart-card credentials for INL personnel and badge replacement requirements.</li> </ul>	5,117
FY 2013	Planned activities in the FY 2013 Budget (final allocations have not yet been determined): <ul style="list-style-type: none"> <li>• Funding for this activity was requested within Nuclear Energy in the FY 2013 Congressional Budget Request; however, it is being executed within Other Defense Activities per the conditions of the current continuing resolution.</li> <li>• Provides funds to conduct INL personnel security programs including security investigations to determine the suitability of INL personnel for classified work, assessing requests for U.S and foreign researchers to work in selected sensitive subject areas, and maintaining databases that hold clearance information. Funds also support federal activities related to processing, tracking, and adjudication of security investigations for federal and non-federal employees, including medical examinations.</li> </ul>	---
FY 2014	<ul style="list-style-type: none"> <li>• Funding for this activity is being requested within Nuclear Energy.</li> </ul>	0

**Material Control & Accountability  
Overview**

Material Control & Accountability (MC&A) provides the personnel, equipment, and services required to account for and control all special nuclear material (SNM) at INL from diversion. MC&A is accomplished through the administration of a robust formal inventory process for all SNM on site that allows INL security personnel to locate and track specific quantities in real time, state of the art measurement equipment, non-destructive analysis and a robust tamper indicating device program.

**Benefits**

Idaho Sitewide S&S enables work with SNM and classified matter at the INL supporting NE R&D and other activities for a broad national security customer base including the Department of the Navy, Department of the Army, Department of Homeland Security, and the National Nuclear Security Administration.

- Fuel Cycle Development
- Reduced Enrichment Research & Test Reactors (RERTR)
- Space Defense and Power Systems
- Idaho Facilities Management Material Consolidation and Disposition Activities

**Funding and Activity Schedule**

Fiscal Year	Activity	Funding (dollars in thousands)
FY 2012	<ul style="list-style-type: none"> <li>• Maintained the site’s SNM database and tracking systems, coordinate on-and off-site material movements, and to conduct SNM inventories. Funds also supported a one-time replacement cost for aging equipment/components used to perform nondestructive assay of SNM shipping containers.</li> </ul>	4,096
FY 2013	Planned activities in the FY 2013 Budget (final allocations have not yet been determined): <ul style="list-style-type: none"> <li>• Funding for this activity was requested within Nuclear Energy in the FY 2013 Congressional Budget Request; however, it is being executed within Other Defense Activities per the conditions of the current continuing resolution.</li> <li>• Provides funds to maintain the site’s SNM database and tracking systems, coordinate on-and off-site material movements, and to conduct SNM inventories.</li> </ul>	---
FY 2014	<ul style="list-style-type: none"> <li>• Funding for this activity is being requested within Nuclear Energy.</li> </ul>	0

**Program Management  
Overview**

Program Management includes policy oversight, development and update of site security plans; vulnerability assessments and performance testing to ensure adequate protection of SNM; and investigations into incidents of security concern and issuance of security infractions. The activities completed within Program Management allow for risk-informed decision making, support a performance-based S&S program and directly test the efficacy of the INL protection methodology/posture.

**Benefits**

Idaho Sitewide S&S enables work with SNM and classified matter at the INL supporting NE R&D and other activities for a broad national security customer base including the Department of the Navy, Department of the Army, Department of Homeland Security, and the National Nuclear Security Administration.

- Fuel Cycle Development
- Reduced Enrichment Research & Test Reactors (RERTR)
- Space Defense and Power Systems
- Idaho Facilities Management Material Consolidation and Disposition Activities

**Funding and Activity Schedule**

Fiscal Year	Activity	Funding (dollars in thousands)
FY 2012	<ul style="list-style-type: none"> <li>• Maintained and updated security program documentation, developed and implemented plans to address new security requirements and maintained a performance-based assurance program through a combination of table-top exercises, simulations and force-on-force exercises to assure program effectiveness and efficiency. Enhance security training programs to meet Departmental requirements.</li> </ul>	5,765
FY 2013	Planned activities in the FY 2013 Budget (final allocations have not yet been determined): <ul style="list-style-type: none"> <li>• Funding for this activity was requested within Nuclear Energy in the FY 2013 Congressional Budget Request; however, it is being executed within Other Defense Activities per the conditions of the current continuing resolution.</li> <li>• Provides funds to maintain and update security program documentation, develop and implement plans to address new security requirements through a combination of table-top exercises, simulations and force-on-force exercises to assure program effectiveness and efficiency.</li> </ul>	---
FY 2014	<ul style="list-style-type: none"> <li>• Funding for this activity is being requested within Nuclear Energy.</li> </ul>	0

**Cyber Security  
Overview**

Cyber Security maintains the computing infrastructure and network security configuration necessary to support classified and unclassified information and electronic operations at the INL. The Cyber Security program uses a graduated risk approach based on data sensitivity and impact of loss/ compromise to ensure that electronic or computer information systems, are protected in a manner consistent with upholding key priorities, including importance to national security, support of DOE missions and programs, vulnerability to threats, and the magnitude of harm that would result from an information system compromise.

**Benefits**

Idaho Sitewide S&S enables work with SNM and classified matter at the INL supporting NE R&D and other activities for a broad national security customer base including the Department of the Navy, Department of the Army, Department of Homeland Security, and the National Nuclear Security Administration.

- Fuel Cycle Development
- Reduced Enrichment Research & Test Reactors (RERTR)
- Space Defense and Power Systems
- Idaho Facilities Management Material Consolidation and Disposition Activities

**Funding and Activity Schedule**

Fiscal Year	Activity	Funding (dollars in thousands)
FY 2012	<ul style="list-style-type: none"> <li>• Maintained cyber security systems consistent with the Department’s measured risk management and vulnerability management strategies enabling the ability to respond to continuous changing requirements to protect classified and sensitive information from constant cyber attacks. Funds supported implementing DOE Order 205.1B, Department of Energy Cyber Security Program, maintaining up-to-date certification and accreditation packages for classified and unclassified computing systems and implementation of a risk-based program strategy focused on security impacts on information systems and reducing vulnerabilities caused by cyber attacks through development of a robust monitoring program consistent with the SANS Institute “Twenty Specific Technical Security Controls”.</li> </ul>	10,714
FY 2013	<p>Planned activities in the FY 2013 Budget (final allocations have not yet been determined):</p> <ul style="list-style-type: none"> <li>• Funding for this activity was requested within Nuclear Energy in the FY 2013 Congressional Budget Request; however, it is being executed within Other Defense Activities per the conditions of the current continuing resolution.</li> <li>• Provides funds to operate, test, and maintain cyber security systems for 8 INL enclaves consistent with the Department’s measured risk management and vulnerability management strategies. Funds also support certification and accreditation activities for classified cyber security systems and INL training programs to educate users on cyber security strategies.</li> </ul>	---
FY 2014	<ul style="list-style-type: none"> <li>• Funding for this activity is being requested within Nuclear Energy.</li> </ul>	0

## Supporting Information

### Capital Equipment, General Plant Projects, and Construction Summary

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Capital Equipment	3,169	590	0
General Plant Projects	0	-	0
Construction Projects Summary	0	-	0
Total, Idaho Sitewide S&S	3,169	590	0



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

**Overview  
Program Direction**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Hearings and Appeals	4,142	4,167	5,022
Total, Hearings and Appeals	4,142	4,167	5,022
Full Time Equivalents	24	24	24

Hearings and Appeals  
Total, Hearings and Appeals  
Full Time Equivalents

**Overview**

The Office of Hearings and Appeals (OHA) provides adjudicatory and conflict prevention and resolution services for DOE’s programs so that disputes may be resolved at the agency level in a fair, impartial and efficient manner. OHA supports all DOE strategic goals, including management and operational excellence. The bulk of OHA’s work is defense-related and consists of the adjudication of security clearance cases that determine eligibility for access to classified matter or special nuclear material.

Within the Other Defense Activities Appropriation, OHA operates with three staffs: the Personnel Security and Appeals Division, the Employee Protection and Exceptions Division, and the Office of Conflict Prevention and Resolution.

OHA offers fair, timely, impartial, and customer-friendly processes for adjudicating matters pursuant to regulatory authority or special delegation from the Secretary. Such cases include (i) eligibility for a security clearance, (ii) whistleblower protection for employees of DOE contractors and for employees of firms receiving funds under the American Recovery and Reinvestment Act, (iii) Freedom of Information and Privacy Act Appeals, (iv) regulatory relief to prevent special hardship, and (v) other matters that the Secretary may delegate. With respect to alternative dispute resolution, OHA offers mediation services for a variety of matters. OHA also supports and helps coordinate the work of the Technology Transfer Ombudsman, a position created to help prevent and resolve barriers to technology transfer and thereby promote the commercialization of the

Department’s scientific discoveries, give taxpayers a return on their investment in research, and promote economic competitiveness and job creation. For its part, OHA uses technology to reduce costs and its carbon footprint.

**Accomplishments & Strategic Initiatives**

In the prior appropriation year, OHA achieved significant accomplishments in management and operational excellence, including the increased use of technology to reduce costs and processing time for cases. OHA has reduced its average processing time for security clearance cases (issuing a decision after the receipt of the hearing transcript) to 24 days, its lowest level in any of the last ten years and over 36 percent below OHA’s average over the last five years.

**Alignment to Strategic Plan**

The Department’s May 2011 Strategic Plan identifies management and operational excellence as a strategic goal. The primary objective to which OHA aligns its activities is operational and technical excellence.

**Major Programmatic Shifts or Changes**

The Department requests \$5,022 in Fiscal Year 2014 for OHA, an increase over the FY 12 enacted level that is attributable to the transfer of the alternative dispute resolution function from the Office of the General Counsel to OHA. OHA anticipates that the prevention and early resolution of conflicts will be an important factor in the Department’s ability to achieve its goals in an efficient and cost effective manner.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Current
Salaries and Benefits			
Increase supports 24 FTEs, including 4 FTEs associated with the alternative dispute resolution function transferred to OHA and reflects salary increase.	2,938	3,832	+894
Travel			
Decrease largely attributable to increased use of video-teleconferencing for hearings.	90	40	-50
Other Related Expenses			
DOE is working to achieve economies of scale through an enhanced Working Capital Fund (WCF). WCF now covers certain shared, enterprise activities including enhanced cybersecurity architecture, employee health and testing services, and consolidated training and recruitment initiatives.	1,114	1,150	+36
Total Funding Change, Program Direction	4,142	5,022	+880

**Functional Transfers**

OHA's FY 2014 request includes funding for 4 FTEs associated with the transfer of the Department's alternative dispute resolution function from the Office of the General Counsel to OHA, which occurred in FY 2012.

**Other Related Expenses by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Current
Other Related Expenses			
Other Services	3	3	0
Training	0	10	+10
Purchases from Gov. Accounts	110	87	-23
Working Capital Fund	1,001	1,050	+49
Total, Other Related Expenses	1,114	1,150	+36

# **Departmental Administration**

# **Departmental Administration**

## Table of Contents

	Section
Appropriation Language .....	AP
Overview .....	DA-1
Office of the Secretary .....	DA-7
Office of the Chief Financial Officer .....	DA-9
Office of the Chief Information Officer .....	DA-11
Congressional and Intergovernmental Affairs .....	DA-23
Office of Economic Impact and Diversity .....	DA-27
Office of General Counsel .....	DA-35
Office of the Chief Human Capital Officer .....	DA-39
Office of Indian Energy Policy and Programs .....	DA-43
Office of Management .....	DA-47
Policy and International Affairs .....	DA-53
Office of Public Affairs .....	DA-62



**Departmental Administration  
Proposed Appropriation Language**

*For salaries and expenses of the Department of Energy necessary for departmental administration in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the hire of passenger motor vehicles and official reception and representation expenses not to exceed \$30,000, \$226,580,000, to remain available until September 30, 2015, plus such additional amounts as necessary to cover increases in the estimated amount of cost of work for others notwithstanding the provisions of the Anti-Deficiency Act (31 U.S.C. 1511 et seq.): Provided, That such increases in cost of work are offset by revenue increases of the same or greater amount: Provided further, That moneys received by the Department for miscellaneous revenues estimated to total \$108,188,000 in fiscal year 2014 may be retained and used for operating expenses within this account, as authorized by section 201 of Public Law 95-238, notwithstanding the provisions of 31 U.S.C. 3302: Provided further, That the sum herein appropriated shall be reduced as collections are received during the fiscal year so as to result in a final fiscal year 2014 appropriation from the general fund estimated at not more than \$118,392,000.*

**Explanation of Change**

No Changes

## Departmental Administration

### Overview

#### Appropriation Summary by Program

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Departmental Administration*			
Office of the Secretary	5,030	5,061	5,008
Chief Financial Officer	53,204	53,530	51,204
Chief Information Officer	84,628	86,454	82,062
Congressional and Intergovernmental Affairs	4,690	4,719	4,700
Indian Energy Policy and Programs	2,000	2,012	2,506
Economic Impact and Diversity	7,473	7,519	9,806
General Counsel	33,053	33,255	33,053
Human Capital	25,089	23,230	24,488
Management	61,993	63,077	55,699
Policy and International Affairs	26,961	27,126	26,961
Public Affairs	3,801	3,824	3,597
Subtotal, Departmental Administration	307,922	309,807	296,879
Cost of Work for Others	48,537	48,834	48,537
Revenues Associated with Cost of Work for Others	-48,537	-48,834	-48,537
Miscellaneous Revenues	-63,086	-63,472	-59,651
Total, Offsetting Revenues	-111,623	-112,306	-108,188
Defense Related Administrative Support	-118,836	-119,563	-118,836
Adjustments, Offset (use of prior year balances)	0	0	-2,205
Total, Departmental Administration	126,000	126,772	118,392

#### **Overview**

The Departmental Administration (DA) appropriation funds 10 DOE-wide management organizations under Administrative Operations. These organizations support headquarters operations in human resources, administration, accounting, budgeting, program analysis, contract and project management, information management, cybersecurity, legal services, life-cycle asset management, workforce diversity, Indian energy policy and programs, minority economic impact, policy, international affairs, congressional and intergovernmental liaison, ombudsman services, and public affairs. Funding for the Office of the Secretary is provided separately from the other administrative functions within the DA appropriation. The DA appropriation also budgets for Cost of Work for Others and receives miscellaneous revenues from other sources.

The Departmental Administration offices provide essential services to its mission programs, as well as serve the Secretary of Energy and protect taxpayer interests. The following highlights are provided to outline the functions and essential services provided by this account. These services include:

- Provide the Department with strategic direction and coordination.
- Coordinate DOE efforts to enhance management of human capital and Federal Real Property Asset Management.
- Provide risk management-based policies for the protection of cyber assets and assurance of Departmental capabilities for cyber incident response, core cyber security architecture, cyber intrusion detection and reporting, and Public Key Infrastructure (PKI) architecture.
- Reform processes for project management and acquisition of large facilities to ensure compatibility

with mission needs and adherence to project schedules, budgets and performance requirements.

- Work with state, local and Tribal officials to provide information on DOE activities and decisions.
- Promote diversity within the entire Department and throughout the program areas affected by our decisions (including economic impact).
- Provide effective and timely legal services, counsel, and support to Departmental elements and represent the Department before Federal, State, and other Governmental Agencies and Courts.
- Improve personnel productivity and morale through Departmental Ombudsman services to promote the early identification and resolution of workforce issues.

### **Benefits**

Improved DOE facilities management will be realized as the Department continues to convert to performance-based service contracts using government-wide standards. DOE project management will meet established goals as project managers complete a rigorous certification program to ensure accountability for achieving project and contract cost, schedule, and performance goals. Cost savings will be realized and interface with the public enhanced as information technology resources are used to standardize and enhance IT and web platforms across the Department. Small business will continue to be supported as larger shares of DOE contracts are awarded to small and economically disadvantaged businesses. Citizens will benefit as the Department continues to coordinate and implement key aspects of the President's Blueprint for a Secure Energy Future.

### **Defense Related Administrative Support**

From FY 1999 through FY 2013, funding has been provided within the Other Defense Activities appropriation to offset funding within the Departmental Administration appropriation. Per direction provided in the FY 2004 Energy Water and Development conference report, the FY 2014 budget request reflects a proportional contribution from Other Defense Activities for Departmental Administration costs. This account offsets DA administrative support costs for: Defense Site Acceleration Completion, Defense Environmental Services, 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.

### **Alignment to Strategic Plan**

The DA offices enable the Department to carry out its mission by providing sound department-wide management and efficient shared services. The DOE Strategic Plan, released in May 2011, includes a Management and Operational Excellence goal that details management initiatives and several specific targeted outcomes. In 2011, the Department put that plan into action by developing and tracking 52 internal Measures of Performance across DA offices. Several of those measures are included in the Annual Performance Plan supplement to this budget request

**Cost of Work for Others  
Funding Profile by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Services Performed and Products Sold:			
NNSA Albuquerque Complex	9,852	---	9,150
Chicago Operations Office	4,000	---	3,746
Lawrence Berkeley Laboratory	2,240	---	2,866
Oak Ridge National Laboratory	12,400	---	11,861
Pacific Northwest Laboratory	9,962	---	9,344
Savannah River Ops Office	8,628	---	9,370
Richland Operations Office	75	---	550
National Energy Technology Laboratory	0	---	300
National Renewable Energy Laboratory	0	---	200
New Brunswick Laboratory	50	---	150
Idaho Operations Office	0	---	1,000
Washington, D.C. (in Reserve)	1,330	0	0
Subtotal, Cost of Work for Others	48,537	48,834	48,537
Total, Associated Revenues	-48,537	-48,834	-48,537
Total, Cost of Work for Others	0	0	0

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the "congressional control" level and above; below that level a dash (---) is shown.

**Overview**

The Cost of Work for Others (CWO) program provides funding to the Department of Energy's (DOE) multi-purpose field offices and national laboratories to finance the cost of products and services requested by non-DOE users, both foreign and domestic. The products and services provided by the Department under this program generally are not available from alternate sources and 1) are a revenue program which results from a budgeted mission of the Department; or, 2) are reimbursable work for non-federal entities where the sponsor is precluded by law from providing advance funding. The costs of the Cost of Work for Others program are offset by revenues received from the sale of products and services to customers.

The Cost of Work for Others Program includes a portion of the Department's Foreign Research Reactor Spent Fuel Program. This program which involves the receipt and storage of foreign research reactor spent fuel is provided for in the Cost of Work for Others Program only to the extent of revenues provided.

**Benefits**

The benefits for this program are: continued access to the Department's laboratory complex, and the availability of by-products for sale to non-federal customers. The CWO program satisfies the needs of our non-federal customers. For this reason, performance evaluation for this work is the responsibility of our customers. The success of this program is indicated by the steady stream of business from the targeted groups.

**Detailed Justification**

(dollars in thousands)

FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
--------------------	--------------------------	--------------------

**NNSA Albuquerque Complex**

**9,852                      ---                      9,150**

Provides miscellaneous services for state and local governments, such as the shipment of surplus HEU and Low Enriched Uranium (LEU) from Y-12 for use in foreign research and test reactors; homeland security training activities for state and local governments; water quality studies in support of the California State Water Resources Control Board by Lawrence Livermore National Laboratory; systems engineering oversight in addressing the threat of terrorism in the maritime industry for the Port of Los Angeles by Sandia National Laboratory and training, mentorship and laboratory capabilities in the area of biomaterial interfaces and systems research for the University of Arizona by Sandia National Laboratory.

Departmental Administration/

Cost of Work for Others

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
<b>Chicago Operations Office</b>	<b>4,000</b>	---	<b>3,746</b>
Funding will support research for protection of public health and safety. Proposals are in process to Amtrak, NY Metro, NY Transit and Baltimore Metro to aid in the protection of these cities transit systems. In addition, work is to be performed in support of Illinois Department of Transportation, and the City of Chicago.			
<b>Lawrence Berkeley Laboratory</b>	<b>2,240</b>	---	<b>2,866</b>
Work is in support of various state and local government sponsors, and universities in the areas of indoor and outdoor air quality, water research, basic biological, environmental energy and genomic research.			
<b>Oak Ridge National Laboratory</b>	<b>12,400</b>	---	<b>11,861</b>
Funding will support: 1) research and development for bioassay samples; 2) provide dosimetry services; 3) provide support for the joint ORNL-TVA high-performance Research and Education computer network being constructed across Tennessee and into Mississippi; 4) provide support for deployment of a world class HPC environment of unprecedented capability and capacity to empower U.S. academic research community, as well as computational chemistry.			
<b>Pacific Northwest Laboratory</b>	<b>9,962</b>	---	<b>9,344</b>
Supports water resources modeling for King County, Washington, and other municipalities.			
<b>Savannah River Operations Office</b>	<b>8,628</b>	---	<b>9,370</b>
Receive, manage and provide interim storage of Foreign Research Reactor Spent Nuclear Fuel. The funding level was derived based on the historical transportation cost of a shipment from a country, unloading costs for a shipment at the port, satellite tracking costs, and overland shipment support activities such as emergency preparedness training and other needs of the country involved with the shipment. Facility operating costs based on allocation of incremental costs at the facility (and supporting organizations) to receive and unload foreign casks. Also supports forest management and the sale of timber by U.S. Forest Service. This funding level was derived based on the personnel costs for the FTEs of the U.S. Forest Service who support the Savannah River Timber Management Program, and the historical costs associated with contractual support for services, radio maintenance, reforestation activities, surveying and monitoring of protected, endangered, and threatened species, archeology surveys and various research studies.			
<b>Richland Operations Office</b>	<b>75</b>	---	<b>550</b>
Supports the Volpentest HAMMER Training and Education Center. Training covers all elements of worker health and safety as well as hazardous waste worker and radiological worker training, general construction industry programs, fire response and environmental restoration programs.			
<b>National Energy Technology Laboratory (NETL)</b>	<b>0</b>	---	<b>300</b>
Funding will support Fossil Energy related in-house research and development conducted for State government entities.			
<b>National Renewable Energy Laboratory (NREL)</b>	<b>0</b>	---	<b>200</b>
Funding will support Renewable Energy Technology deployment and Energy Efficiency efforts conducted for state governments or state government sub-units.			
<b>New Brunswick Laboratory</b>	<b>50</b>	---	<b>150</b>
Supports the State of Maryland in the use of coal combustion by-products for the prevention and reduction of water pollution. Develop and implement new technologies and approaches that will prevent acid mine drainage formation and reduce its impact.			
<b>Idaho Operations Office</b>	<b>0</b>	---	<b>1,000</b>
Under the DOE non-proliferation mission, Idaho accepts Foreign Research Reactor (FRR) spent nuclear fuel from low income and high income countries. Funds will support anticipated shipments from Japan.			
<b>Washington, D.C.</b>	<b>1,330</b>	---	<b>0</b>
Funding kept in reserve to support Cost of Work for Others activities.			
<b>Total, Cost of Work for Others</b>	<b>48,537</b>	<b>48,834</b>	<b>48,537</b>

**Explanation of Funding Changes**

In the case of Richland, NETL, NREL, New Brunswick and Idaho, where the FY12 level is substantially lower than the FY14 request, carryover balances were utilized to sustain operations in line with the FY14 request level.

FY 2012 Current	FY 2014 Request	FY 2014 vs. FY 2012
-----------------	-----------------	---------------------

0                      0                      0

**Offsetting Revenues  
Funding Profile by Category**

(dollars in thousands)

Revenues Associated with Cost of Work for Others  
Other Miscellaneous Revenues  
Total, Revenues

FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
-48,537	-48,834	-48,537
-63,086	-63,472	-59,651
-111,623	-112,306	-108,188

**Description**

Revenues associated with Cost of Work for Others represent the full-cost recovery offset to the Cost of Work for Others account. Cost of Work for Others is the program associated with providing products and services to our customers. Miscellaneous Revenues are received from the sale of by-products that have no cost associated with the Departmental Administration appropriation. These items are by-products of activities funded by other on-going departmental programs and are collected as miscellaneous revenues. Included in this estimate are revenues collected from the Reimbursable Work program for Federal Administrative Charges.

**Detailed Justification**

(dollars in thousands)

**Offsetting Revenues**

FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
<b>-111,623</b>	<b>-112,306</b>	<b>-108,188</b>

The Department expects to collect revenues from the following sources in FY 2012 through FY 2014.

- **Cost of Work for Others** – Full cost recovery offset to the Cost of Work for Others account.
- **Federal Administrative Charges** – Revenues collected from other federal agencies as well as non-federal entities for Reimbursable activity conducted by the Department in accordance with full-cost recovery policy.
- **Idaho Operations Office** - Costs incurred at the Idaho Chemical Processing Plant for handling and basin storage of spent fuel cores for the Department of Navy.
- **Pittsburgh Naval Reactors Office** - The Department of the Navy reimburses the Pittsburgh Naval Reactors Office for the nuclear material burn-up while the core is in operation.
- **Other Revenues** - Estimate based on current rate of collections for various miscellaneous revenues collected at all Departmental sites.



**Departmental Administration  
Office of the Secretary (OSE)**

**Program Direction  
Funding Profile by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Headquarters			
Salary & Benefits	4,495	---	4,473
Travel	529	---	529
Support Services	0	---	0
Other Related Expenses	6	---	6
Total, Headquarters	5,030	5,061	5,008
Full Time Equivalent	34	32	32

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the “congressional control” level and above; below that level a dash (---) is shown.

**Public Law Authorizations**

Public Law 95-91, 42 U.S.C. 7252

**Overview**

The Office of the Secretary provides leadership and policy direction to the Department of Energy in fulfilling its mission to ensure America’s security and prosperity by addressing its energy, environmental, and nuclear challenges through transformative science and technology solutions. These efforts will be accomplished through:

- **Transforming Our Energy Systems:** Catalyzing the timely, material, and efficient transformation of the nation’s energy system and securing U.S. leadership in clean energy technologies through deploying the technologies we have, discovering the new solutions we need, and leading the national conversation on energy.
- **Science and Engineering Enterprise:** Maintaining a vibrant U.S. effort in science and engineering as a cornerstone of our economic prosperity, with clear leadership in strategic areas by extending our knowledge of the Natural World, delivering new technologies to advance our mission, and sustaining a World-Leading Technical Workforce.

- **Securing Our Nation:** Enhancing nuclear security through defense, nonproliferation, and environmental efforts by supporting the U.S. nuclear stockpile and future military needs, reducing global nuclear dangers, applying our capabilities for other critical national security missions, supporting responsible civilian nuclear power development and fuel cycle management, and completing environmental remediation of our legacy and active sites.
- **Management and Operational Excellence:** Establishing an operational and adaptable framework that combines the best wisdom of all Department stakeholders to maximize success through achieving operational and technical excellence, and implementing a performance-based culture.

**Alignment to Strategic Plan**

The Office of the Secretary within the Departmental Administration appropriation supports Goal 4 of the DOE Strategic Plan, “Establish an operational and adaptable framework that combines the best wisdom of all Department stakeholders to maximize mission success”. However, the Office of the Secretary has the unique responsibility for overseeing Goals 1 through 4 of the DOE Strategic Plan, in support of the following management principles:

1. Our mission is vital and urgent.
2. Science and technology lie at the heart of our mission.

3. We will treat our people as our greatest asset.
4. We will pursue our mission in a manner that is safe, secure, legally and ethically sound, and fiscally responsible.
5. We will manage risk in fulfilling our mission.
6. We will apply validated standards and rigorous peer review.
7. We will succeed only through teamwork and continuous improvement.

**Major Programmatic Shifts or Changes**

The Department is requesting \$5.0 million in FY 2014 for OSE, a \$22K decrease from the FY 2012 budget level.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Salaries and Benefits			
Available funding supports 32 FTEs in the Office of the Secretary, Deputy Secretary, Under Secretary for Energy, and Under Secretary for Science.	4,495	4,473	-22
Travel			
Provides funding for the Secretary, Deputy Secretary, Under Secretary, Under Secretary for Science and Special Assistants to travel both internationally and domestically in support of the Department's mission.	529	529	0
Other Related Expenses			
Provides training and course registration cost for OSE employees for essential training activities.	6	6	0
<b>Total Funding Change, Program Direction</b>	<b>5,030</b>	<b>5,008</b>	<b>-22</b>

**Office of the Chief Financial Officer**

**Program Direction  
Funding Profile by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Headquarters			
Salary & Benefits	32,697	---	33,508
Travel	255	---	200
Support Services	12,557	---	9,801
Other Related Expenses	7,695	---	7,695
<b>Total, Headquarters</b>	<b>53,204</b>	<b>53,530</b>	<b>51,204</b>
Full Time Equivalents	243	235	235

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the “congressional control” level and above; below that level a dash (---) is shown.

**Public Law Authorizations**

DOE Order 520.1A, CFO Responsibilities Pub. L. 101-576, CFO Act

**Overview**

The Office of the Chief Financial Officer (CF) is responsible for the effective management and financial integrity of DOE programs, activities, and resources by developing, implementing, and monitoring DOE-wide policies and systems in budget formulation and execution, finance and accounting, internal controls and financial policy, corporate financial systems, strategic planning, and program analysis and evaluation.

**Accomplishments and Strategic Initiatives**

In FY 2012, CF:

- Maintained a clean financial statement audit opinion;
- Implemented DOE-wide quarterly performance review;
- Streamlined the DOE budget request to provide information in a more useful format; and
- Restructured the DOE Budget and Reporting Code structure to augment reporting capabilities.

**Alignment to Strategic Plan**

CF aligns to the Department’s May 2011 Strategic Plan through the strategic goal of “Management and Operational Excellence.” Within this strategic goal, CF’s strategic objectives are to “Focus on operational and technical excellence” and “Implement a Performance-Based Culture.” The targeted outcomes are to:

- Upgrade the DOE Funds Distribution System to distribute funds and issue work authorizations no later than 30 days after request for change.
- Modify the DOE Budget Formulation System to improve data capture and analysis.
- Perform benchmarking of significant laboratory contractor support costs.

**Major Programmatic Shifts or Changes**

There are no major programmatic shifts or changes. The reduction from FY 2012 to FY 2014 primarily reflects the completion of the development of STRIPES.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Current
Salaries and Benefits			
Increase reflects anticipated inflation and is partially offset by decrease of 8 FTEs from the FY 2012 current level.	32,697	33,508	+811
Travel			
Reduction in travel for training and conferences. The FY 2014 level represents a 57% reduction from FY 2010.	255	200	-55
Support Services			
The FY 2014 iManage Development and Integration budget funds upgrade of the DOE Funds Distribution System, further integration of the Enterprise Portfolio Application Tool, and development of an Enterprise Risk Assessment System to facilitate compliance, oversight, and reporting of internal control objectives and associated risk management for DOE field offices, program offices, Headquarters, and contractor laboratories. Also funds the continued operation and development of the iManage Data Warehouse (IDW), including expansion and integration of the iPortal/IDW, and data structure re-engineering to improve performance, enhance management decision support, and ensure accuracy and usability	12,557	9,801	-2,756
Other Related Expenses			
Funding supports Working Capital Fund and DOECOE requirements.	7,695	7,695	0
<b>Total Funding Change, Program Direction</b>	<b>53,204</b>	<b>51,204</b>	<b>-2,000</b>

**Support Services by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Support Services			
Advisory & Assistance Contractual Services	1,384	1,136	-248
iManage Development and Integration	11,173	8,665	-2,508
<b>Total, Support Services</b>	<b>12,557</b>	<b>9,801</b>	<b>-2,756</b>

**Other Related Expenses by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Other Related Expenses			
Other Services	310	310	0
DOECOE	1,190	1,190	0
Working Capital Fund	6,195	6,195	0
<b>Total, Other Related Expenses</b>	<b>7,695</b>	<b>7,695</b>	<b>0</b>

**Departmental Administration  
Office of the Chief Information Officer**

**Overview  
Appropriation Summary by Program**

	(dollars in thousands)		
	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Chief Information Office			
Cybersecurity	21,686	22,068	30,795
Corporate IT Program Support	26,879	27,547	15,866
Corporate Management/ Program Direction	36,063	36,839	35,401
Subtotal, Office of the Chief Information Officer	84,628	86,454	82,062
Use of Prior Year Balances	0	0	-2,205
Total, Office of the Chief Information Officer	84,628	86,454	79,857
Full Time Equivalent	134	129	129

**Public Law Authorizations**

Public Law 104-106: 'Clinger-Cohen Act of 1996'  
 Public Law 105-277: 'Government Paperwork Elimination Act of 1998'  
 Public Law 107-190: 'Federal Information Security Management Act of 2002'  
 Public Law 107-347: 'The E-Government Act of 2002'  
 Public Law 108-494: 'Commercial Spectrum Enhancement Act of 2004'

- Improved governance and integration of IT Capital Planning, Enterprise Architecture, and Privacy programs;
- Establishing and implementing the IT Sustainability and Data Center Consolidation Program;
- Formulating a Department-wide ICAM Framework;
- Initiating PKI services to a Cloud service model;
- Transitioning to IPv6 compliant networking protocol;

**Overview**

The Office of the Chief Information Officer (OCIO) provides advice and assistance directly to the Secretary of Energy to ensure that information technology is acquired and information resources are managed in a manner that complies with statutory policies and procedures. Within the Departmental Administration Appropriation, OCIO funds: Corporate IT Program Support, Cyber Security, and Corporate Management.

**Alignment to Strategic Plan**

The Department's May 2011 Strategic Plan outlines the OCIO's primary objective: Achieve Operational and Management Excellence. The Strategic Plan identifies a targeted outcome to achieving our measures, and the OCIO is responsible for supporting Strategic Plan outcomes through its budget request. The targeted outcome is:

**Accomplishments and Strategic Initiatives**

OCIO achieved the following accomplishments in program management and program development:

- Implementation of TechStat and PortfolioStat review processes to improve coordination and oversight of IT investment and program performance;
- Transformation of the DOE Records Management Program to address outstanding Inspector General recommendations and position the Department to better manage electronic records;

- Leverage existing information technology and expertise to maximize mission accomplishment and reduce costs;
- Identify and foster new and emerging information technology to maximize mission accomplishment and reduce costs;
- Provide Departmental IT Governance, policy and oversight processes to ensure secure, efficient and cost-effective use of IT resources;
- Strengthen enterprise situational awareness to foster near-real-time risk management and combat the advanced persistent threat, forge interagency and sector partnerships to protect critical infrastructure

**Major Programmatic Shifts or Changes**

The OCIO is requesting a net appropriation of \$79.86 million for FY 2014. This request is -\$4.8M (-6%) less than the FY 2012 request of \$84.6 million. This information is further expanded upon within individual program sections.

**Cybersecurity Cross Agency Priority (CAP) Goal for FY 2014 - DOE OCIO  
PERSONAL IDENTITY VERIFICATION (PIV)**

<b>OBJECTIVE:</b> Strengthen DOE's risk-managed cybersecurity posture through combat of the advanced persistent threat, establishment of interagency and sector partnerships to protect critical infrastructure, and timely cyber incident information sharing, analysis, and response.		
<b>TARGETED OUTCOME:</b> By the end of FY 2014, manage and increase the implementation of Privileged Account 2 Factor Personal Identity Verification (PIV) Access for Federal Networks from 10% to 90%.		
<b>FY 2014 ANNUAL MEASURE #1:</b> By the end of FY 2014, manage and increase the implementation of Privileged Account 2 Factor Personal Identity Verification (PIV) Access for Federal Networks from 10% to 90%.		
	<b>Target</b>	<b>Actual/ Met or Not Met</b>
<b>Budget Year (FY 2014)</b>	90% of Privileged Account 2 Factor PIV Access Implemented	---- N/A
<b>Current Year (FY 2013)</b>	10% of Privileged Account 2 Factor PIV Access Implemented	Q1 FY13, 0% of Privileged Account 2 Factor PIV Access Implemented (as of end of FY 13 Q1) / Not Met, and no change from FY 2012
<b>Prior Year (FY 2012)</b>	80% of Privileged Account 2 Factor PIV Access Implemented  (Note: This FY 2012 target reflects the Department of Homeland Security (DHS) target for Privileged Account 2 Factor PIV Access Implementation; DOE did not have a target for FY 2012.)	0% of Privileged Account 2 Factor PIV Access Implemented / Not Met, and no change from FY 2011  (Note: This FY 2012 target reflects the Department of Homeland Security (DHS) target for Privileged Account 2 Factor PIV Access Implementation; DOE did not have a target for FY 2012.)
<b>Analysis</b>	DOE implemented a comprehensive Identity, Credential and Access Management (ICAM) program consistent with the Federal ICAM initiative. The DOE ICAM Program consists of the recently approved DOE Order 206.1, Identity, Credential and Access Management, which serves as the foundation for the DOE ICAM Architecture. DOE is actively implementing its strategy to reach the DOE target of 90% PIV authentication for users accessing federal networks.	

**CONTINUOUS MONITORING**

<b>OBJECTIVE:</b> Strengthen DOE's risk-managed cybersecurity posture through combat of the advanced persistent threat, establishment of interagency and sector partnerships to protect critical infrastructure, and timely cyber incident information sharing, analysis, and response.		
<b>TARGETED OUTCOME:</b> By the end of FY 2014, manage and increase the implementation of Continuous Monitoring from 80% to 95%, specifically with Automated Asset Management, Automated Configuration Management, and Automated Vulnerability Management, to provide consistent automation of continuous monitoring activities across the Department.		

<b>FY 2014 ANNUAL MEASURE #1:</b> By the end of FY 2014, manage and increase the implementation of Continuous Monitoring from 80% to 95%, specifically with Automated Asset Management, Automated Configuration Management, and Automated Vulnerability Management, to provide consistent automation of continuous monitoring activities across the Department.		
	<b>Target</b>	<b>Actual/ Met or Not Met</b>
<b>Budget Year (FY 2014)</b>	95% of Continuous Monitoring Technologies Implemented	---- N/A
<b>Current Year (FY 2013)</b>	80% of Continuous Monitoring Technologies Implemented	72% of Continuous Monitoring Technologies Implemented (as of end of FY 13 Q1) / Not Met, and decrease 2% from FY 2012.  Note: The number of assets reported increased, but automated capabilities were not present on all assets.
<b>Prior Year (FY 2012)</b>	80% of Continuous Monitoring Technologies Implemented	74% of Continuous Monitoring Technologies Implemented / Not Met, and improved 14% from FY 2011
<b>Analysis</b>	DOE will develop a Continuous Monitoring strategy and implementation plan to reach the DOE target of 95% by 6/30/2014. Additionally, DOE will explore the Department of Homeland Security (DHS) Continuous Diagnostic and Mitigation (CDM) program to determine how it will support the strategy.	

#### TRUSTED INTERNET CONNECTION (TIC)

<b>OBJECTIVE:</b> Strengthen DOE's risk-managed cybersecurity posture through combat of the advanced persistent threat, establishment of interagency and sector partnerships to protect critical infrastructure, and timely cyber incident information sharing, analysis, and response.		
<b>TARGETED OUTCOME:</b> By the end of FY 2014, manage and sustain the implementation of Trusted Internet Connection (TIC) capabilities at 95% in order to provide the Department with higher cybersecurity protection.		
<b>FY 2014 ANNUAL MEASURE #1:</b> By the end of FY 2014, manage and sustain the implementation of Trusted Internet Connection (TIC) capabilities at 95% in order to provide the Department with higher cybersecurity protection.		
	<b>Target</b>	<b>Actual/ Met or Not Met</b>
<b>Budget Year (FY 2014)</b>	95% of TIC 2.0 Capabilities Implemented	---- N/A
<b>Current Year (FY 2013)</b>	95% of TIC 2.0 Capabilities Implemented	88% of TIC 2.0 Capabilities Implemented (as of end of FY 13 Q1) / Not Met, an increase of 1% from FY 2012.
<b>Prior Year (FY 2012)</b>	95% of TIC 1.0 Capabilities Implemented	87% of TIC 1.0 Capabilities Implemented / Not Met
<b>Analysis</b>	DOE has implemented 88% of the 74 TIC capabilities as of FY 2013 Q1 and deployed DOE Enhanced Cybersecurity Services (DEX) (i.e., Einstein IIIA) on the TIC to provide a higher level of protection. DOE will develop a strategy and implementation plan to manage TIC consolidation and achieve the DOE target of 95% by 12/31/2014.	

2013 targets reflect DOE's FY 2013 Budget Request to Congress. FY 2013 target updates, as well as a complete list of performance measures, can be found in the upcoming FY 2012–2014 Annual Performance Plan and Report.



**Cybersecurity**  
**Program Funding Profile by Subprogram and Activity**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Cybersecurity ( Homeland Security Programs)			
Incident Management	15,456	---	21,664
Enterprise Services (PMO)	1,757	---	6,582
Policy, Guidance, and Planning (PG&P)	2,549	---	2,549
Program Support and Special Projects	1,924	---	0
<b>Total, Cybersecurity</b>	<b>21,686</b>	<b>22,068</b>	<b>30,795</b>

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the "congressional control" level and above; below that level a dash (---) is shown.

**Overview**

Within the OCIO, the Office of Associate CIO for Cybersecurity Program (OCS) supports the Secretary's Management and Operational Excellence strategic goal of "establishing an operational and adaptable framework that combines the best wisdom of all Department stakeholders to maximize mission success." This is exemplified in the development and management of the Department's Enterprise Cybersecurity Program (CSP), Risk Management Approach (RMA) and Federal Initiatives which are guided by an intensive collaborative process. The CSP, RMA and Federal Initiatives ensure IT cybersecurity enables the Department's National Security, Science, Energy and Environmental missions. OCS fulfills the Department's statutory role under FISMA and in accordance with the Department's Cybersecurity Order which includes establishing policy and guidance to support National Cybersecurity initiatives, coordinating critical cybersecurity initiatives, managing the Department's Incident Management program, and coordinating with external agencies and industry partners to secure cyberspace and ensure Continuity of Government.

**Subprogram Accomplishments and Milestones**

OCS achieved several significant accomplishments in program management including; approval of DEXS Action Plan for Enterprise Deployment; improved JC3 monitoring and response capabilities; and the development of an enterprise framework to support IT Supply Chain Risk Management (SCRM). These accomplishments and the transition toward a fully implemented, enterprise-wide, Risk Management strategy has increased the Department's ability to better leverage available resources against cyber threats.

Departmental Administration/  
Office of the Chief Information Officer/  
Cybersecurity

**Subprogram Accomplishments**

**Date**

Approval of DEXS Action Plan to facilitate deployment across all of the Department's field offices, plants, site offices, and Management and Operations (M&O) contractor facilities. 03/2013

Supported renewed emphasis on training and workforce development 04/2012

Developed a plan of action to consolidate appropriate components of the existing OCIO Incident Management Program. 07/2012

**Benefits**

- **Incident Management**  
Increased enterprise situational awareness and ability to coordinate significant event responses across DOE assets, as well as recognizing and effectively responding to Government-wide cyber attacks and ensuring Continuity of Government
- **Program Support and Special Projects**  
Newly structured Program Management Office (PMO) will combine Program Support and Special Projects with Enterprise Services to establish a Cybersecurity Program Management Office to structure, manage and operate a process-driven approach to Cyber tasks.
- **Policy, Guidance and Planning**  
Sustain statutory and legislative alignment and compliance; perform needs assessment and curriculum development for cybersecurity functional roles and responsibilities; develop and maintain cutting-edge, agile policy and guidance for the Department as required by the Department's Cybersecurity Order.
- **Enterprise Services**  
Increased situational awareness and enhanced decision support from continuous monitoring inputs; more appropriate and cost effective protection for sensitive

DOE information and IT assets; cultivated actionable intelligence from critical data sources to inform risk management decisions throughout all management tiers in near-real time; provides a security software and professional services program to assist DOE Programs and field sites in meeting Federally-mandated requirements for IT security configuration management and automated security metrics reporting.

**Program Planning and Management**

In meeting Department and OCIO strategic goals and conservation measures, OCS will implement the following strategy and objectives putting the taxpayers' dollars to the most productive use:

Strategic Goal: Enhance Enterprise Situational Awareness; Develop Near-Real Time Risk Management to Better Inform Management Decisions and Combat Advanced Persistent Threat.

Objective 1: Incident Management: Develop a coordinated Departmental Enterprise Capability.

Objective 2: Risk Management: Develop Enterprise Continuous Monitoring Strategy.

Objective 3: Training: Identify & Prioritize Training for Key Cybersecurity Roles and Individuals with Significant Security Responsibility.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

Incident Management

Enhancement of critical Incident Management programs such as:

Consolidation of two major DOE networks into one enterprise network for simplified network and security management, which will result in future, cost savings. Benefits include: Return on Investment (ROI) through an Enterprise Security Management view of the DOE backbone network (consolidated security architecture and situational awareness).

Establishing a protected out-of-band communications channel between DOE sites to enable the secure transmission of threat data, situational reports, and incident response information. The establishment of this communications channel provides DOE with the capability to maintain situational awareness and securely coordinate and implement incident response activities while decreasing the risk of threat actors intercepting this information and using it to further obscure their malicious activities, tools and techniques. As a critical element of the Department's network defense strategy, deployment of this capability will begin at priority sites. Included in this increase is \$2.4 million to accelerate and complete DOE's enterprise risk-based continuous monitoring.

15,456	21,664	+6,208
--------	--------	--------

Cybersecurity Program Management Office (PMO)

Newly structured PMO will combine Enterprise Services with Program Support and Special Projects to establish a Cybersecurity Program Management Office

1,757	6,582	+4,825
-------	-------	--------

Policy and Guidance

Maintain effective cybersecurity Policy and Guidance for the Department

2,549	2,549	+0
-------	-------	----

Program support and Special Projects

Program line combined with Enterprise Services to create a new PMO

1,924	0	-1,924
-------	---	--------

**Total, Cybersecurity**

<b>21,686</b>	<b>30,795</b>	<b>+9,109</b>
---------------	---------------	---------------

**Corporate IT Program Support  
Funding Profile by Subprogram and Activity**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Corporate IT Program Support:			
IT Planning, Architecture, and E-Government	7,692	---	3,982
Corporate IT Project Management	0	---	1,574
Technology Evaluation Office	346	---	643
Energy IT Technology Services	18,841	---	9,667
<b>Total, Corporate IT Program Support</b>	<b>26,879</b>	<b>27,547</b>	<b>15,866</b>

Corporate IT Program Support:

IT Planning, Architecture, and E-Government

Corporate IT Project Management

Technology Evaluation Office

Energy IT Technology Services

Total, Corporate IT Program Support

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the "congressional control" level and above; below that level a dash (---) is shown.

**Corporate IT Program Support Overview**

**IT Planning, Architecture, and E-Government** is a DOE corporate initiative to maintain and improve information management and processes. The Program provides funding for key IT management programs required to meet legislative mandates and Administration priorities such as Open Government and Spectrum Relocation. Funding supports the development and maintenance of the following core IT management programs and processes: 1) IT Portfolio Management via a Capital Planning and Investment Control process; 2) Enterprise Architecture Program; 3) IT Governance and Policy Program; 4) Federal Records Management Program and; 5) Spectrum Management Program.

In order to continue to provide essential Departmental IT management programs, the OCIO will implement two key strategies to more effectively manage CMIP programs as follows:

- 1.) Enhance partnerships with DOE organizational elements to identify opportunities for process improvement and streamlining;
- 2.) Implement reporting and oversight tools to support improved IT management decision-making.

**Corporate IT Project Management-** In supporting the mission of the Department, CIO created the Corporate IT Project Management Office (PMO) to lead the development and execution of Department-wide corporate information management (IM) projects which span multiple program lines in order to enable the effective and efficient delivery of the DOE mission. The PMO is tasked with delivering successful Information Management (IM) projects by building and implementing a project management maturity framework cutting

across DOE program and staff offices, as well as DOE field sites to manage all project life-cycle from initiation through transition to operations. The PMO is actively managing the DOE IT Sustainability and Data Center Consolidation Initiative designed to reduce the overall cost involved in the operation and maintenance of data centers across the Department. The PMO is also tasked with leading the DOE Identity, Credential and Access Management (ICAM) project, as mandated by OMB M-11-11, to implement standards-based physical and logical access controls across the DOE enterprise. Additionally, the PMO is assigned responsibility for providing governance of the DOE Enterprise PKI project, facilitating cross-certification with the Federal Bridge Certification Authority (FBCA), providing a mechanism for establishing secure trust relationships among participating Federal agencies, DOE, and business partners cross-certified with the FBCA. Further, the PMO is leading DOE's IPv6 transition activities by coordinating milestones and schedules to assure IPv6 compatibility for DOE's enterprise IT architecture. Lastly, the PMO is leading DOE's consolidated Mobile Device Management (MD) effort, to establish and implement a comprehensive MDM & Bring Your Own Device (BYOD) program.

The Department will implement three key strategies to more efficiently and effectively manage the program.

- The PMO will partner with stakeholder organizations to establish a comprehensive IT Project Management Framework by creating an Integrated Project Team (IPT) to leverage Enterprise-wide subject matter expertise.
- The PMO will establish a robust mechanism to enhance project schedule, scope and cost tracking to provide senior management with the capability to readily evaluate project progress.

Departmental Administration/  
Office of the Chief Information Officer/  
Corporate IT Program Support

- Leverage IT Portfolio Management to reduce redundancy and rationalize IT investments to drive down costs and improve service for commodity IT.

**The Office of Technology Evaluation** focuses on emerging Information Technology (IT) implementation and execution activities. This group is responsible for: conducting approved prototypes, proofs of concept, identifying needed logistics resources, emerging IT research support, and identifying efficiencies through new ways of applying technology.

By evaluating the applicability of emerging technologies and determining how these technologies can either be incorporated into the Department's IT infrastructure or utilized for specific mission requirements, the Office of Technology Evaluation will enable staff from program areas to more productively utilize computing technology to maximize their achievement of mission success.

The Office of Technology Evaluation will validate the application of emerging technologies in DOE's operational and mission IT environments.

**Office of Energy IT Services-** In supporting the Secretary's Strategic Goal, the Office of Energy IT Services enables mission programs and operations with effective IT products and services while promoting economic sustainability. EITS delivers IT services to customers throughout DOE HQ and Field Sites nationwide. Energy IT Services provides hardware and software, desktop seat management, application hosting and housing, integrated security, voice, video and data networking, and IT professional services. EITS supports the Nation's Homeland Security effort in several areas including: Operational Cybersecurity - ensures that cybersecurity policy and supporting guidance is implemented for the DOE Enterprise IT Services; COOP - sets forth the procedures and responsibilities specific to the continuity mission of EITS in the event of an emergency or incident that seriously disrupts normal operations; Identity, Credential, and Access Management (ICAM) - oversees implementation of Homeland Security Presidential Directive (HSPD)-12 PIV (Personal Identify Verification) card initiative;

PKI (Public Key Infrastructure) - manage and operate an unclassified Enterprise PKI Program for DOE that follows Federal and DOE regulations including the DOE Certificate Policy (CP) and Certificate Practices Statement (CPS), and support management of the annual audit, follow-up to the annual audit, support for Federal Bridge committee work, tracking POA&M. Challenges facing the office of the Energy IT Services are increasing demand and evolving technology's requirement of additional complexity towards integrating secure solutions across an expanding service provider marketplace.

In meeting the identified challenges, Energy IT Services is continuing a service transformation to be more cost competitive, secure, predictable, transparent, and agile. External factors present the strongest challenges to the overall achievement of the program's strategic goal:

- The cyber threat is increasingly persistent and capable;
- Rapid change in technology;

**Subprogram Accomplishments**

- Implementation of TechStat and PortfolioStat review processes to improve coordination and oversight of IT investment and program performance
- Transformation of the DOE Records Management Program to address outstanding Inspector General recommendations and position to better manage electronic records
- Improved governance and integration of IT Capital Planning, Enterprise Architecture, and Privacy programs
- Formulated DOE IT Project management Policy, Strategic Plan and Framework for implementation of the IT Project Management Office Operations
- Formulated a Department-wide ICAM Policy, Framework and Architecture along with a detailed Enterprise ICAM implementation plan;
- Initiated transitioning enterprise PKI services to a Cloud service offering
- Established Department-wide task force to coordinate transitioning to IPv6 compatible networking protocol
- Implemented a Department-wide IT Sustainability Integrated Project Team (IPT)
- Successfully implemented Phase 2 of the NNSA 2NV IT pilot infrastructure requirement providing a Virtual Desktop Infrastructure service to 425 pilot users
- Implemented desktop video, instant messaging and collaboration technologies within the EITS community, as well as, federated connectivity with external DOE organizations (i.e., Golden Field Office, Y-12 Site Office)

**Explanation of Funding AND/OR Program changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

**Corporate IT Program Support:**

**IT Planning, Architecture, and E-Government**

The reduction reflects reprioritization to address cybersecurity requirements and the shift to implementation of various planning and policy activities.

7,692      3,982      -3,710

**Corporate IT Project Management**

The OCIO recently created the Office of Corporate IT Project Management to establish and implement a consistent project management framework to ensure success of corporate IT projects. The requested funding supports development and implementation of the principles upon which corporate, cross organizational IT projects will be managed, additional staffing to enhance DOE's IT Sustainability program, and coordination and planning associated with DOE's transition to the IPv6 networking protocol, scheduled for completion by September 30, 2014.

0      1,574      +1,574

**Technology Evaluation Office**

The increase supports further investigation of emerging technologies as well as the efficiency of technologies already employed by the Department. Additional funding allows the program to more effectively gauge mission-specific requirements for increased productivity and organizational success.

346      643      +297

**Energy IT Services**

Energy IT Services will oversee the implementation of strong authentication with the HSPD-12 PIV card initiative (\$4.2M). Reduced funding is a result of an organization reallocation to fund OCIO's Cybersecurity activities.

18,841      9,667      -9,174

**Total, Corporate IT Program Support**

**26,879      15,866      -11,013**



**Program Direction**  
**Program Funding Profile by subprogram and Activity**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Corporate Management/ Program Direction			
Salaries and Benefits	21,258	---	22,394
Travel	173	---	181
Support Services			
E-Government Transfers	3,400	---	0
Technical and Administrative Support	1,309	---	1,669
Business, Finance, and Procurement	1,725	---	2,021
Total, Support Services	6,434	---	3,690
Other Related Expenses			
Training	91	---	96
Working Capital fund	7,076	---	8,181
DOECOE	1,031	---	859
Total, Other Related Expenses	8,198	---	9,136
<b>Total, Corporate Management/ Program Direction</b>	<b>36,063</b>	<b>36,839</b>	<b>35,401</b>
FTEs	134	129	129

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the “congressional control” level and above; below that level a dash (---) is shown.

**Overview**

Corporate Management/Program Direction provides Federal staffing and associated funding required for the overall management of activities carried out by the Office of the Chief Information Officer to include Cybersecurity, Corporate IT Program Support and Corporate Management/Program Direction.

**Subprogram Accomplishments**

Transitioned to a new support services contractor (ActioNet) which will result in labor cost reductions 06/2012  
 Consolidated subscription Purchases (Safari) 01/2012  
 Consolidated Microsoft Purchases 04/2012  
 Maximized use of existing Government-wide Acquisition Contracts 06/2012  
 Consolidated Oracle Purchases 07/2012  
 Consolidated Trous Purchases 08/2012

**Program Planning and Management**

The balance of the Department's IT portfolio funding of approximately \$2 billion is managed directly by the Department’s program offices and their field sites and laboratories.

The OCIO seeks to enable the Department of Energy’s urgent missions in energy, science and nuclear security through the power of information and technology in a manner that balances risk with required outcomes in programs that span from open science to National security. Our primary challenges include:

- Lead IT management in the Department;
- Provide IT and cybersecurity leadership to enable the DOE mission;
- Lead DOE’s IT enterprise architecture and capital investment process

**Explanation of Funding AND/OR Program changes**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
<b>Salaries and Benefits</b> Reflects requirements to fund salary, benefits, and awards for 129 Federal FTEs.	21,258	22,394	+1,136
<b>Travel</b> No significant change	173	181	+8
<b>Support Services</b> Reduction primarily reflects removal of funding for E-Gov transfers	6,434	3,690	-2,744
<b>Other Related Expenses</b> Increase supports additional Working Capital Fund requirements.	8,198	9,136	+938
<b>Total, Program Direction</b>	<b>36,063</b>	<b>35,401</b>	<b>-662</b>

**Support Services by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY2014 Request vs. FY 2012 Current
Management Support Services			
Automatic Data Processing (E-Gov)	3,400	0	-3,400
Reports and Analyses Management and General Administrative	3,034	3,690	+656
<b>Total, Support Services</b>	<b>6,434</b>	<b>3,690</b>	<b>-2,744</b>

**Other Related Expenses by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY2014 Request vs. FY 2012 Current
Other Related Expenses			
Training	91	96	+5
DOECOE	1,031	859	-172
Working Capital Fund	7,076	8,181	+1105
<b>Total, Other Related Expenses</b>	<b>8,198</b>	<b>9,136</b>	<b>+938</b>

**Departmental Administration  
Congressional & Intergovernmental Affairs**

**Program Direction  
Funding Profile by Category**

(dollars thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Congressional & Intergovernmental Affairs			
Salary & Benefits	3,281	---	3,193
Travel	30	---	30
Support Services	367	---	177
Other Related Expenses	1,012	---	1,300
<b>Total, Congressional &amp; Intergovernmental Affairs</b>	<b>4,690</b>	<b>4,719</b>	<b>4,700</b>
Full Time Equivalents	31	27	25

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the "congressional control" level and above; below that level a dash (---) is shown.

**Public Law Authorizations**

P.L. 95-91, "Department of Energy Organization Act"  
(1977) sec.203 (a) (11)

P.L. 109-58, "Energy Policy Act" (2005) Title V sec.502 (a)

**Overview**

CI activities fulfill the statutory requirement of DOE Organization Act (P.L. 95-91) and contribute to the success of the Department by focusing on accurate and timely communication of Administration and Departmental objectives and activities with Congress, State, local and tribal governments. Specifically, CI:

- Works with Members of Congress, their staffs, and Committees/Subcommittees to define, articulate and advance DOE's position on pending legislation; to implement national policy priorities as enacted into law by the Congress; and notify members of Congress regarding pending awards/grants/contracts that have an impact upon the member's State/District.
- Works with governors and their staffs, local elected/appointed officials, and Tribal officials to provide information on DOE activities and decisions, and to elicit their concerns and interests and consider them in DOE decision processes.
- Provides timely notifications to Members of Congress, Governors, and Tribal officials on DOE matters of specific interest or impact and providing timely and full response to their inquiries, requests for information, and constituents' concerns.
- Attends Congressional briefings, meetings and Committee markups to monitor, inform, and advocate on behalf of the Department in the legislative process.

- Prepares or assists in the preparation of testimony and briefing materials for Congressional hearings and meetings, and gubernatorial and tribal events.
- Prepares or assists in the preparation of congressional, intergovernmental, and tribal correspondence.
- Coordinates Congressional hearing statements, transcripts, pre- and post-hearing questions and answers, and inserts for the record.
- Works to ensure that DOE responses articulated to Congress are consistent with Administration policy and direction.

**Accomplishments and Strategic Initiatives**

For Congress, in FY 2012, CI prepared DOE leadership for:

- 62 hearings
- 390 meetings and briefings

CI prepared packages addressing:

- 1084 Questions for the Record (QFRs) (exceeding FY 2011 by 43%)
- 50 testimony submissions
- 32 transcripts reviews, and
- 35 Inserts For the Record (IFRs)

CI's Intergovernmental actions include:

- 450 meetings with Senior DOE individuals and offices (+200 from FY 2011)
- 280 meetings and 1,420 communications with state, tribal, county/parish, municipal, and other local officials, as well as intergovernmental organizations (e.g., NGA, NCSL, USCM, NLC, NACo, WGA, MGA, SGA, MGA, NCAI, USET, ATNI) and nongovernmental organizations (e.g., ECOS) (+160 meetings & +920 communications from FY 2011)
- 75 formal briefings for the Secretary, Deputy Secretary, and senior DOE officials (100% more than FY 2011)
- 80 tribal conferences, conference calls, and consultation meetings (400% more than FY 2011)
- Chairing the Tribal Energy Steering Committee (per DOE O 144.1)

**Alignment to Strategic Plan**

CI's activities directly align with the Department's Strategic Goal #1 "Catalyze the timely, material, and efficient transformation of the nation's energy system and secure U.S. leadership in clean energy technologies." and this goal's Strategic Objective C "Lead the National Conversation on Energy."

**Major Programmatic Shifts or Changes**

The Department requests \$4.7 million in FY 2014 for CI. CI has taken steps to reduce costs of operation. Since FY 2003, CI decreased the FTE operating level by 43 percent. During FY 2012, CI completed a reorganization to maximize the efficient use of taxpayer dollars by leveraging available resources to fulfill mission requirements. In FY 2013, CI will downsize to a staffing level of 27 FTEs and further downsize to a 25 FTE staffing and service level by FY 2014.

**Explanation of Funding AND/OR Program Changes**

	(dollars in thousands)		
	FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Current
Salaries and Benefits Available funding supports downsized staffing level salaries and benefits through FY 2013 (27 FTE) and FY 2014 (25 FTE).	3,281	3,198	-88
Travel	30	30	0
Support Services Anticipated inflationary increases. Starting in FY 2014, DOECO costs are now included with "Other Related Expenses."	367	177	+190
Other Related Expenses Anticipated inflationary increases in Working Capital Fund and DOECO, DOE's IT, network, email and desktop support.	1,012	1,300	+288
<b>Total Funding Change, Program Direction</b>	<b>4,690</b>	<b>4,700</b>	<b>+10</b>

**Support Services by Category**

	(dollars in thousands)		
	FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Current
Technical Support Services CIO support services for desktop, network, email, etc. (DOECO)	171	0	-177
Management Support Services Print & electronic Information subscription services	109	67	-42
Other, including office maintenance, furniture, courier, etc.	87	110	+23
<b>Total, Management Support Services</b>	<b>196</b>	<b>177</b>	<b>+19</b>
<b>Total, Support Services</b>	<b>367</b>	<b>177</b>	<b>-196</b>

Departmental Administration/  
Congressional & Intergovernmental Affairs/  
Program Direction

**Other Related Expenses by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Current
Other Related Expenses			
Training	22	24	+2
DOECOE		216	+216
Working Capital Fund	990	1,060	+70
Total, Other Related Expenses	1,012	1,,300	+288



**Departmental Administration  
Office of Economic Impact and Diversity**

**Overview  
Appropriation Summary by Program**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Economic Impact and Diversity			
Program Direction	5,660	5,695	7,047
Program Support	1,813	1,824	2,759
Total, Economic Impact and Diversity	7,473	7,519	9,806
Full Time Equivalents	31	35	35

**Public Law Authorizations**

P.L. 95-619, "National Energy Conservation Policy Act" (NECPA -1978) Section 641 of (42 U.S.C.7141)  
 42 USC § 2000d, "Title VI of the Civil Rights Act of 1964"  
 42 USC § 2000e, "Title VII of the Civil Rights Act of 1964"  
 20 USC § 1681, "Title IX of the Education Amendments of 1972"  
 PL102-486, "Energy Policy Act of 1992"  
 PL103-355, "Federal Acquisition Streamlining Act of 1994"  
 PL110-69 (2007), "America COMPETES Act" Section 5010  
 15 USC 637, "The Small Business Act"

**Overview**

The mission of the Office of Economic Impact and Diversity (ED) is to ensure all individuals and communities have access to the Department of Energy's programs. ED is congressionally mandated to advise the Secretary of Energy on the effects of energy policies, regulations, and other actions of the Department on all individuals.

To achieve this mission, ED is tasked with monitoring, enforcing, and strengthening DOE programs and policies, implementing a wide range of partnerships with particular focus on underrepresented groups such as minorities, women and girls, veterans, small and disadvantaged businesses, and Tribal communities. ED is also the legal enforcer for compliance with Titles VI & VII of the 1964 Civil Rights Act and Title IX of the Education Amendments Act of 1994 to ensure that all DOE programs are aligned with these acts.

ED consists of the offices of Minority Economic Impact, Small and Disadvantaged Business Utilization, Civil Rights, Diversity and Inclusion, and the Ombudsman.

**Accomplishments and Strategic Initiatives**

In FY 2012, ED launched strategic initiatives in diversity and inclusion, small business development and utilization, and minority education support. Related accomplishments include:

- Implementation of the Department's Diversity and Inclusion Strategic Plan. The Plan defined diversity and inclusion for the Department, designed strategic outreach and recruitment initiatives, and created a DOE-wide Diversity and Inclusion Council.
- Development of Small Business First to make small business contractors the first option when products and services are being procured. Additionally, the Office of Small and Disadvantaged Business Utilization partnered with the Department of Commerce Minority Business Development Agency (MBDA) via a Memorandum of Understanding to leverage ED's and MBDA's resources to increase the number of small and disadvantaged businesses that receive DOE contracts.
- Creation of an MSI Minority Serving Institutions (MSI) Working Group at the Department comprised of technical points of contact from major program offices to coordinate and expand outreach and financial assistance to under-served minority groups and institutions.

**Alignment to Strategic Plan**

ED's activities support the Management and Operational Excellence initiatives in Goal #4 of the Department's May 2011 Strategic Plan, including:  
 Improving small business practices through the development of information management tools and training programs for DOE small business program managers;

Leading DOE's cultural transformation to make DOE more inclusive of women, minorities, veterans, and persons with disabilities in order to develop a highly qualified, capable, and flexible workforce; Partnering with DOE research programs to provide proposal writing assistance and better outreach for MSIs; Strengthening relationships with DOE programs to align roles and responsibilities for personnel handling diversity and inclusion, small business, Equal Employment Opportunity (EEO) and MSI funding.

**Major Programmatic Shifts or Changes**

This request includes the following increases:

- \$850K to support the Office of the Ombudsman, created in FY 2012, which resolves workplace problems and conflicts using non-adversarial processes and identifies systemic problems for the Department to address.
- \$735K to support the Office of Small and Disadvantaged Business Utilization expansion of outreach initiatives designed to engage small businesses in contracting opportunities at the Department.
- \$201K to the Office of Diversity and Inclusion to support implementation of the Department's Diversity and Inclusion Strategic Plan initiatives, which include training sessions, case studies, employee resource groups, career development programs, and other related activities.
- \$100K for the Office of Minority Economic Impact to support the minority internship program that focuses on recruiting minorities and women in Science , Technology, Engineering, and Math (STEM) fields; and to support socioeconomic research and analysis that includes addressing environmental and energy-related concerns in underserved communities.

**Office of Economic Impact and Diversity**  
Funding Profile by Subprogram with Activities

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Program Support			
Minority Economic Impact	1,000	---	1,100
Small & Disadvantaged Business Utilization	515	---	1,250
Civil Rights	100	---	70
Diversity and Inclusion	198	---	339
Total, Program Support	1,813	1,824	2,759

Program Support

Minority Economic Impact

Small & Disadvantaged Business Utilization

Civil Rights

Diversity and Inclusion

Total, Program Support

\*Note: FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the “congressional control” level and above; below that level a dash (---) is shown.

**Program Support Overview**

**The Office of Minority Economic Impact** (OMEI) is responsible for developing programs to support MSIs, minority financial institutions, and under-served communities. OMEI engages in outreach and assistance programs to identify and inform MSIs, community-based education organizations, minority focused (STEM) organizations, and minority student groups about research, development, and contract opportunities at the Department.

To accomplish these goals, OMEI partners with program offices at DOE to better advocate for MSIs and facilitate research and STEM pipeline development programs.

OMEI Programs include:

- The MSI Grants Program, which provides financial assistance to minority institutions engaging in STEM-related programs and activities. In FY 2014, OMEI will further develop its corporate funding approach to improve MSI access to research and development programs and activities at the Department. OMEI will also work to increase the number of MSIs working with small businesses and DOE National Laboratories to accelerate the development of clean energy technologies for commercialization purposes.
- Socioeconomic research and analysis that includes addressing environmental and energy-related concerns in underserved communities. OMEI is legislatively required to conduct socioeconomic research on energy consumption patterns among minority populations and also to determine the environmental effects of Departmental

program/policies on certain minority populations or communities (P.L. 95-619).

- The Minority Educational Institution Student Partnership Program (MEISPP), which is a Department-wide internship program designed to address the low representation of women and minorities in STEM fields.
- The Bank Deposit Financial Assistance Program, which was developed for the purpose of strengthening the nation's minority financial institutions, while benefiting the community. The principal gained from the purchase of certificates of deposits is used for development loans to local minority and women-owned small business enterprises.

***The Office of Small and Disadvantaged Business Utilization*** (OSDBU) maximizes contracting and subcontracting opportunities for small businesses. A primary responsibility of OSDBU is to work in partnership with DOE program elements to achieve Departmental prime and subcontracting small business goals. DOE has the second largest procurement base in the Federal Government, providing over \$8 billion in procurement opportunities to small businesses. A table with small business goals is available at the end of this section

To address future DOE small business prime contracting goals, the OSDBU has launched the following initiatives, which are fully funded in the FY 2014 budget request:

To address future DOE small business prime contracting goals, the OSDBU has launched the following initiatives, which are fully funded in the FY 2014 budget request:

- Implementation of the Small Business First procurement policy that imposes rigor on the selection of large businesses for award. The policy

adheres to all existing Federal Acquisition Regulation requirements for small business procurements, including reserving many types of procurements exclusively for small businesses, and requires procurement officials to justify awards to large businesses through a waiver process.

- Increased utilization of marketing and analytical tools that enable DOE program offices to find small businesses with the technical qualifications to compete for procurement opportunities.
- Implementation of the Administration's Small Business Procurement Council goals through close collaboration with other agencies to expand and support mentoring and strategic partnerships, improve data quality, and support socioeconomic business goals.
- Extensive outreach to the small business community via Small Business Summits, listening sessions, and the DOE Mentor-Protégé Program. In FY 2012, over 30 such events were held.

**The Office of Civil Rights (OCR)** is responsible for monitoring and enforcing EEO for all Federal workers. As part of its enforcement responsibilities, OCR manages the processing of discrimination complaints filed by DOE Federal workers. OCR is also responsible for ensuring that recipients of Federal financial assistance do not engage in discrimination.

In addition to these enforcement activities, OCR serves as an advisor to other ED and DOE programs on diversity and inclusion. OCR also manages the Department's Employee Concerns Program (ECP), and serves as an advisor to DOE programs and field elements on the subject of employee concerns. The ECP enables employees to report concerns relating to the environment, safety, health, or management of Department operations in a safe and open environment, without fear of reprisal. OCR also works closely with the Office of Human Capital and Office of General Counsel to ensure that civil rights training is implemented. OCR annually assists with the preparation of the EEO

Commission's MD715 Report and conducts a comprehensive review to measure progress in EEO and diversity, and to develop a coordinated strategy to address barriers to EEO at DOE.

**The Office of Diversity and Inclusion (ODI)** was established in FY 2011 to serve as the lead consultant and advisor for all aspects of diversity, inclusion, and equal opportunity within DOE's business lines and missions. In FY 2012, ODI:

- Created a DOE-wide Diversity and Inclusion Council that provides oversight and advice for all ODI activities and initiatives. The Council serves as the communications and implementation vehicle for all DOE diversity and inclusion activities.
- Increased dialogue and feedback via town hall sessions throughout the DOE complex designed to understand employee concerns and attitudes.
- Sponsored training opportunities for senior leadership and staff designed to improve diversity and inclusion practices within DOE.
- Developed a Diversity and Inclusion Strategic Plan (published in March 2012) as required by Executive Order 13583, to participate in government-wide efforts to improve diversity and inclusion practices.
- Set up guidance for the creation and operation of Employee Resource Groups.

In FY 2014, ODI will implement 26 actions across the DOE complex to improve mission execution through diversity and inclusion in compliance with DOE's Diversity and Inclusion Strategic Plan and Executive Order 13583. These actions are strategic steps that will facilitate system-wide culture change. The Department will also promote a diverse and inclusive culture through special emphasis programs designed to create awareness and educate employees on various groups. These programs promote inclusion and cultivate an environment that values the contributions of all DOE employees.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

Program Support

**Minority Economic Impact**

Additional funds to be used to administer the MEISPP student internship program. Funds also support socioeconomic research and analysis to address environmental and energy-related concerns in underserved communities.

1,000                      1,100                      +100

**Small & Disadvantaged Business Utilization**

Increased support for expanded outreach initiatives designed to increase small business contracting opportunities at the Department. Activities include: providing developmental training to small businesses; conducting business opportunity sessions and listening sessions; implementation, tracking and monitoring of the Department’s Small Business First Policy; and automation and management of the Mentor-Protégé Program Database.

515                              1,250                              +735

**Civil Rights**

A \$30K reduction will occur as a result of streamlined efforts in EEO complaints processing and tracking.

100                              70                                      -30

**Diversity and Inclusion**

Support for diversity and inclusion awareness initiatives at the Department. Specifically, \$41K for training sessions; \$50K for external outreach and partnerships with stakeholders; and \$50K for development of a DOE-specific diversity and inclusion case study. Funding supports dialogue and feedback from the workforce, such as listening sessions, town halls, and web chats. Funding also supports implementation of the Diversity and Inclusion Strategic Plan required by Executive Order 13583.

198                              339                                      +141

Total, Program Support

1,813                              2,759                                      +946



**Program Direction  
Funding Profile by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Program Direction			
Salary & Benefits	4,096	---	4,992
Travel	56	---	70
Support Services	623	---	776
Other Related Expenses	885	---	1,209
<b>Total, Program Direction</b>	<b>5,660</b>	<b>5,695</b>	<b>7,047</b>
Full Time Equivalents	31	35	35

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the "congressional control" level and above; below that level a dash (---) is shown.

**Program Direction Overview**

Program Direction provides for federal staffing responsible for the overall direction and administrative support of Economic Impact and Diversity. ED is mandated by statute and Executive Orders to advise the Secretary of Energy on the effects of energy policies, regulations, civil rights, and other actions of the Department and its components on minorities, minority serving institutions, and minority business enterprises. ED is also required to ensure that these groups are afforded an opportunity to participate fully in the business sector and energy programs of the Department,

including serving as a corporate office that monitors and enforces compliance with Title VI and Title VII of the Civil Rights Act of 1964 and Title IX of the Education Amendments of 1972.

**Major Program Shifts or Changes**

In FY 2014, ED's staffing level will increase by 4 FTEs from FY 2012 levels and includes increased staffing for the Office of Ombudsman. FY 2014 request supports an additional 4 FTEs to help improve diversity and inclusion practices at the Department and better engage disadvantaged communities and populations with Department programs and activities.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

**Salaries and Benefits**

Funding covers salaries and benefits for 35 full-time Federal employees, which is 4 FTEs above FY 2012 staffing level. Increased staff will address ED's need for technical experts to manage and support various initiatives and programs at the Department, including the Office of Ombudsman

4,096                  4,992                  +896

**Travel**

Travel is within departmental constraints, and is increased slightly to accomplish legislatively mandated Title VI and Title IX review costs.

56                          70                          +14

**Support Services**

This line reflects an increase in training and education and filling the OCR Director position allows for expanded oversight of financial aid recipients.

623                          776                          +153

Other Related Expenses

Funding supports increased Working Capital Fund and DOECO costs, in part associated with 4 new FTEs.

Total Funding Change, Program Direction

885	1,209	+324
5,660	7,047	+1,387

**Support Services by Category**

(dollars in thousands)

Technical Support Services

Reviews of technical operations, including an ECP database.

Total, Technical Support Services

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
307	382	+75
307	382	+75

Management Support Services

Training and Education

Counseling, Investigations, Support for Civil Rights Program

Total, Management Support Services

99	123	+24
217	270	+53
316	394	+78

Total, Support Services

623	776	+153
-----	-----	------

**Other Related Expenses by Category**

(dollars in thousands)

Other Related Expenses

DOECO

Working Capital Fund

Total, Other Related Expenses

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
191	211	+20
694	998	+304
885	1,209	+324

**Departmental Administration  
Office of the General Counsel**

**Program Direction  
Funding Profile by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Headquarters			
Salary & Benefits	24,394	---	23,034
Travel	83	---	85
Support Services	1,835	---	1,273
Other Related Expenses	6,741	---	8,661
Total, Headquarters	33,053	33,255	33,053
Full Time Equivalents	153	145	145

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the “congressional control” level and above; below that level a dash (---) is shown.

**Public Law Authorizations**

P.L. 95-91, Section 202(b).

**Overview**

The Office of the General Counsel is responsible for providing comprehensive legal services to the Secretary and to all Departmental programs, except those relating to the Federal Energy Regulatory Commission. General Counsel assures that the Department operates in compliance with applicable laws and regulations.

**Accomplishments and Strategic Initiatives**

**Litigation and Enforcement**

- Successfully assisted in representing DOE in numerous NEPA cases, including Save Strawberry Canyon v. Chu (9<sup>th</sup> Cir.), Sierra Club v. DOE (D. D.C.), and Tri-Valley CARES v. DOE (9<sup>th</sup> Cir.), and The Los Alamos Study Group v. DOE (10<sup>th</sup> Cir).
- Supported legal work leading to denial of BP’s challenges to US discovery responses in In re: Oil Spill by the Oil Rig “Deepwater Horizon” in the Gulf of Mexico, on April 20, 2010 (M.D.L. E.D. La.).
- Successfully defended a challenge to the issuance of 26 loan guarantees under Section 1705 of the Energy Policy Act of 2005 in Californians for Renewable Energy v. DOE (D.D.C.).
- Assisted the parties in settling an additional 244 hypothyroid claims involving Hanford “downwinders” in Hanford Nuclear Reservation Litigation (E.D. Wash.).

- Provided significant support on DOE’s successful motion to dismiss in Tamosaitis v. URS, Inc. (E.D. WA.).
- Strengthened enforcement of appliance efficiency standards by investigating more than 400 violations and issuing approximately 80 certification warnings and 9 noncompliance determinations.

**Environment and Nuclear Programs**

- Significantly revised DOE’s NEPA regulations; facilitated timely completion of more than 1,300 NEPA reviews, including more than 25 EISs.
- Provided counsel on applications for Secretarial authorization of unclassified nuclear technology exports, as well as on drafting and negotiation of international agreements.
- Helped complete negotiation of the Los Alamos National Laboratory Framework Agreement, supporting significant progress in removal of above-ground transuranic wastes for disposal at WIPP.
- Assisted in a series of transactions to continue the operation of the Paducah Gaseous Diffusion Plant for another year. The Department estimates that the Project will result in savings of some \$759 million.
- Assisted in responding to the report of the Blue Ribbon Commission on America’s Energy Future.
- Provided on-going advice and counsel associated with the Waste Treatment and Immobilization Plant.

- Reached six settlements in spent fuel related breach of contract claims through 2013. Reviewed 11 annual claims; these reviews reduced by more than \$67 million the amounts being sought.

**Technology Transfer and Procurement**

- Led the federal-laboratory team that completed creation and implementation of the Agreements for Commercializing Technology (ACT) tool to facilitate enhanced Technology Transfer from DOE laboratories to the private sector.
- Provided guidance on significant contract management issues at EM contracts worth over \$16 billion.
- Assisted in structuring, negotiating, and implementing a Research, Development, and Deployment agreement with the United States Enrichment Corporation supporting important national security objectives by enabling continued progress on the American Centrifuge Project, while including significant protections for taxpayer interests.
- Successfully defended 22 bid protests.
- Assisted Office of Science in extending the SLAC contract, including successful pension and benefits liability negotiation.

**Energy Policy**

- Supported issuance of new efficiency regulations for clothes washers and dishwashers, as well as EERE’s first ever use of negotiated rulemaking.

- Provided legal advice on the first Liquefied Natural Gas export authorization involving domestically produced natural gas in the lower 48 states.
- Worked with the Federal Energy Management Program on provision of power to DOE facilities, resulting in tens of millions of dollars in savings over a ten year period.
- Assisted in preparation of a proposed rule to expedite federal permitting of transmission facilities; provided counsel on issuance of a Presidential permit to ITC; advised PMAs on various high-priority matters; and represented DOE in several state utility rate cases, saving the USG millions of dollars.
- Represented DOE in 31 EEOC and MSPB cases; assisted in implementing new provisions of the STOCK Act; and assisted in implementing new OMB conference guidance. Provided ethics training to approximately 9,900 DOE employees and reviewed more than 4,000 financial disclosure reports.

**Alignment to Strategic Plan**

The activities of GC align to the Department’s Management and Operational Excellence Strategic Goal with the objective of Achieving Operational and Technical Excellence.

**Major Programmatic Shifts or Changes**

None.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)			
FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current	
<b>Salaries and Benefits</b>			
Decrease resulting from 8 fewer FTEs offset by within-grade advancements, promotions, and yearly pay increase.			
24,394	23,034	-1,360	
<b>Travel</b>			
Increase reflects inflationary increase in travel costs.			
83	85	+2	
<b>Support Services</b>			
Decrease is result of transfer of Alternative Dispute Resolution function in FY 2013 to the Office of Hearings and Appeals (-49,000), anticipated decreases in level of effort in the NEPA support services contract (-\$389,000) and Intellectual Property (-\$131,000) and a slight increase in Information Technology (+\$7,000).			
1,835	1,273	-562	

Other Related Expenses

Increases in Working Capital Fund (+\$1,462,000), DOECO (+\$325,000), Westlaw & Lexis (+\$262,000) are because of increased usage and/or vendor costs. Intellectual Property costs incurred at the U.S. Patent Office (-\$44,000), Law Library materials costs (-95,000) and Miscellaneous costs (-\$34,000) are estimated to be lower because of decreased usage.

	6,741	8,661	+1,920
Total Funding Change, Program Direction	33,053	33,053	0

**Support Services by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Support Services			
Alternative Dispute Resolution	49	0	-49
NEPA	1,298	909	-389
Intellectual Property	141	10	-131
Information Technology	347	354	+7
Total, Support Services	1,835	1,273	-562

**Other Related Expenses by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Other Related Expenses			
Government Agencies – Intellectual Property	347	347	0
EITS (DOECO)	756	1,081	+325
Westlaw & Lexis/Nexis	656	918	+262
Law Library	286	191	-95
Working Capital Fund	4,482	5,944	+1,462
Miscellaneous	214	180	-34
Total, Other Related Expenses	6,741	8,661	+1,920



**Departmental Administration  
Office of the Chief Human Capital Officer (HC)**

**Program Direction  
Funding Profile by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Headquarters			
Salary & Benefits	19,654	---	18,475
Travel	100	---	135
Support Services	850	---	940
Other Related Expenses	4,485	---	4,938
<b>Total, Headquarters</b>	<b>25,089</b>	<b>23,230</b>	<b>24,488</b>
Full Time Equivalents	159	138	151

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the “congressional control” level and above; below that level a dash (---) is shown.

**Public Law Authorizations**

- Public Law 95–91, “Department of Energy Organization Act”, 1977
- Title 5, United States Code, Government Organization and Employees (Executive and General Schedules, Training)
- The Chief Human Capital Officers Act of 2002

**Overview**

The mission of the Office of the Chief Human Capital Officer (HC) is to provide effective leadership on policies, programs, and partnerships related to all aspects of human capital management. The vision of HC is to accomplish the DOE mission through collaborative and responsive partnerships, proactive problem identification and resolution, and innovative and sound human capital management services. HC advises and assists the Secretary and Deputy Secretary of Energy, and other agency officials, in recruiting, staffing, developing, training, and managing a highly skilled, productive, and diverse workforce in accordance with merit system principles and all applicable statutory requirements.

The top priorities for HC are: leading the development and implementation of numerous Administration and Secretarial initiatives to improve the hiring, diversity, development, engagement, and performance of the DOE Federal workforce; achieving the goals of the DOE and Human Capital Strategic Plans; and greater emphasis on accountability audits and oversight of field human resources offices. Priority initiatives include: Hiring Reforms for the General Schedule and Senior Executive

Service; Hiring Initiatives for Veterans and People with Disabilities; implementing the DOE Performance-Based Culture to include the GEAR (goals-engagement-accountability-results) pilot to improve employee performance management; piloting HRstat, a program to improve metrics and inform decisions related to human capital management; and improving Human Resources (HR) professional education and mobility.

HC also provides leadership and direction in working with the Office of Personnel Management (OPM), the Merit Systems Protection Board (MSPB), Federal Labor Relations Authority (FLRA), and other organizations relative to human capital programs and policies.

**Accomplishments and Strategic Initiatives**

HC provides leadership, expertise, and staff resources in the development and implementation of government-wide initiatives in partnership with OPM. The initiatives include: new Pathways Intern Program; new SES Performance Appraisal System; update of Government-wide Critical Occupation Skills; Hiring Initiatives for Veterans and People with Disabilities; GEAR Report Workgroup (co-chair); GEAR pilot; action planning and implementation based on Employee Viewpoint Survey results; HRstat pilot; and Interagency Rotation Program.

HC achieved the following accomplishments or milestones in human capital management in support of the DOE and Human Capital strategic plans.

- Hiring Reforms and Recruitment Initiatives:
  - For General Schedule (GS) and equivalent positions, reduced the average time-to-hire (T2H) to 86.4

calendar days (1,225 hires), an improvement of 51% from the FY 2009 baseline (174 days) and 15% from FY 2011 (99.8 days).

- OPM recognizes two of DOE's Hiring Reform strategies as best practices: (1) an internal dashboard to track the hiring action through each of the steps which alerts managers to barriers in meeting targets, and (2) a policy that requires managers to select interview panels, pre-schedule interview times and develop interview questions prior to receiving the certificate of eligible candidates.
- Began the expansion of reforms to include the hiring processes for career senior executives and other executives.
- Improving our Performance-Based Culture:
  - DOE is one of five agencies piloting the performance management reform concepts of Goals-Engagement-Accountability-Results (GEAR), the product of a workgroup co-chaired by DOE and sponsored by OPM and the National Council on Federal Labor-Management Relations.
  - Implemented a state of the art software system (ePerformance) to efficiently and effectively implement improved performance management processes for both SES and non-SES employees; the system seamlessly cascades performance goals, directly links individual performance to DOE's Strategic Plan, continuously tracks status throughout the performance cycle, and provides for direct electronic filing into the eOPF system.
  - Pilot agency for the new HRstat initiative sponsored by OPM and OMB, which aims to innovate methods that operationalize reporting and integration requirements of the Government Performance and Results Act Modernization Act (GPRAMA).
  - HC leadership has engaged to help Quarterly Execution Report and Business Quarterly Review Process and to achieve the goal of "improving the performance metrics used throughout the Department to better align human capital planning and management with agency goals and objectives," as required by GPRAMA.
- Improved Human Resources Information Systems (HRIS):
  - Online Learning Center (OLC) learning management system: developed and deployed a new customer friendly interface that significantly improves support and tracking of annual DOE mandatory training activities. Added tools that enable

employees and supervisors to complete and track learning activities at both the individual and organizational levels.

- Completed the transition of OLC to a cloud computing environment which anticipates reducing annual expenses by \$200K.
- Upgraded Continual Learning Program (CLP) programs and systems including:
  - Expanded Partnership with National Defense University: resulted in greater learning opportunities for DOE employees as students and teachers (e.g., five tuition-free slots available for 12-week certificate programs in the University's i-College program).
  - Completed development of the Mechanical, Nuclear Engineering, Electrical and Safety Engineering competency models.
  - Interagency Rotation Program: to date six DOE employees have rotated to other agencies and 11 employees from other agencies have rotated to DOE.

#### **Alignment to Strategic Plan**

The Department's 2011 Strategic Plan outlines two primary objectives under Goal 4 (Management and Operational Excellence) to which HC aligns its initiatives:

- 1) Achieve Operational and Technical Excellence:
  - Develop the Most Highly-Qualified, Capable, and Flexible Federal Workforce
- 2) Implement a Performance-Based Culture:
  - Cultivate a Performance-Based Framework.

#### **Major Program Shifts or Changes**

The Department requests \$24.5 million in FY 2014 for HC. Primary changes within HC will be to Federal staffing levels. FTEs will decrease by 8 from the 159 FTEs utilized in FY 2012 to a level of 151 FTEs in FY 2014. HC began to experience an increase in workload in FY 2012 related to delegated HR authority returned to HQ from certain field Servicing Personnel Offices (SPOs), which is expected to continue into FY 2013-14; workload increase is tied to the transfer of functions back to HQ as well as oversight of multiple SPOs that have lost delegated HR authority as a result of HR accountability audits, and the corrective actions associated with the audits in general. Contract support was reduced at the beginning of FY 2013, and will continue at a reduced level in FY 2014.

At this request level, an increased emphasis will be placed on employee development and organizational

skill-set capabilities, an Administration priority. Increased visibility of needs in workforce and succession planning, retention and recruitment, as well as

performance management will be emphasized. HC will be looking at internal adjustments (reassignments) to optimize workforce capability and potential.

**Strategic Plan and Performance Measures**

STRATEGIC GOAL: Achieve Management and Operational Excellence		
OBJECTIVE: Develop the Most Highly-Qualified, Capable and Flexible Federal Workforce		
TARGETED OUTCOME: By FY 2012, measure and reduce our average time-to-hire for GS and equivalent positions by every HR Office (from initiation date to entry on duty date) from 174 to 80-day average that includes a 50-day target to job offer.		
FY 2013 Annual Measure: By end of FY 2013, reduce the time-to-hire (T2H) for GS and equivalent positions from a DOE-wide baseline of 174 days in FY 2009 to a DOE-wide average approaching 80 days or less for every HR office.		
	Target	Actual/ Met or Not Met
Budget Year	FY 2014 (80-Day Time-to-Hire Goal)	---- N/A
Current Year	80-Day Time-to-Hire Goal (every HR Office) from Recruit Initiation date to Entry on Duty date	100.4 Days (366 hires, as of (3/13/13) / Not Met, higher by 16% compared to FY 2012 (86.6 days)
Prior Year	80-Day Time-to-Hire Goal (DOE average) from Recruit Initiation date to Entry on Duty date	86.6 Days (1,227 hires, as of (3/13/13) / Not Met, but improved 14% from FY 2011 (99.8 days) and 51% from FY 2009 baseline (174 days)
Analysis	DOE is using data-driven corrective actions to address the increase in time-to-hire for FY 2013, and has begun the expansion of agency hiring reforms to include the hiring processes for career senior executives and other executives.	

2013 targets reflect DOE's FY 2013 Budget Request to Congress. FY 2013 target updates can be found in the upcoming FY 2012–2014 Annual Performance Plan and Report.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
-----------------	-----------------	------------------------------------

Salaries and Benefits

Provides for 151 full time equivalents (FTEs). In addition to salaries and benefits, funding is also provided for workers' compensation payments on behalf of all employees funded through the Departmental Administration appropriation. FTEs support core HC mission functions of: policy, oversight and automation; learning and development; HR operations and services (including executive resources, staffing/classification, benefits and labor management relations); strategic alignment and measurement of human capital management; and internal business management. Changes reflect a decrease of -8 FTEs from the current FY 2012 usage level of 159 to a FY 2014 Request level of 151.

19,654      18,475      -1,179

Travel

Changes reflect a moderate increase in staff travel funding. HC Staff Travel includes program oversight, program evaluation, project engineering, recruitment, and permanent change of station moves. Primary travel need is associated with OPM-mandated HC/HR accountability audits; these audits are critical to maintaining agency-delegated HR authority. HC will explore options to partner with other internal organizations and video conference as feasible.

100      135      +35

Departmental Administration/  
Human Capital/  
Program Direction

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

Support Services	850	940	+90
Includes funding for HC Staff Training; HC will be looking to maximize effectiveness of individual and corporate training opportunities to address skill-set and competency needs within the organization (+\$113K). Includes funding for HC Core Contractors – to provide support in critical areas where skill-set and/or grade structure is not available within Federal existing staff (-\$23K).			
Other Related Expenses	4,485	4,938	+453
Other Related Expenses provides for HC's customer costs for Working Capital Fund (WCF) and IT services under DOE's Common Operating Environment (DOECO). Includes funding for HC-internal Office Administration needs (non-DOECO software and hardware, CHCO Council fees, small automation system support, and rent for HC's duty-station facility in Albuquerque). HC relocated the Albuquerque duty-station, partnering with the Office of Health Safety and Security to utilize existing DOE space in the local area as a cost savings effort to reduce rent and offset WCF and DOECO increases.			
Total Funding Change, Program Direction	25,089	24,488	-601

**Support Services by Category**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

Management Support Services			
Training and Education	37	150	+113
Management Support, Other	813	790	-23
Total, Support Services	850	940	+90

**Other Related Expenses by Category**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

Other Related Expenses			
Rent to GSA	96	0	-96
Other Services	1,043	1,120	+77
Working Capital Fund	3,346	3,818	+472
Total, Other Related Expenses	4,485	4,938	+453

**Departmental Administration  
Office of Indian Energy Policy and Programs**

**Program Direction  
Funding Profile by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Headquarters			
Salary & Benefits	865	---	905
Travel	55	---	40
Support Services	920	---	1,335
Other Related Expenses	160	---	226
<b>Total, Headquarters</b>	<b>2,000</b>	<b>2,012</b>	<b>2,506</b>
Full Time Equivalents	5	5	5

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the “congressional control” level and above; below that level a dash (---) is shown.

**Public Law Authorizations**

Public Law 109–58, “Energy Policy Act of 2005” Title V

**Overview**

The Office of Indian Energy (IE) is charged by Congress to direct, foster, coordinate, and implement energy planning, education, management, and programs that assist tribes with energy development, capacity building, energy infrastructure, energy costs, and electrification of Indian lands and homes. IE works within the Department of Energy, across government agencies, and with Indian tribes and organizations to promote Indian energy policies and initiatives. The Office of Indian Energy performs these functions within the scope of the Department of Energy’s mission and consistently with the federal government's trust responsibility, tribal self-determination policy and government to government relationship with Indian tribes.

Primary responsibilities include:

- Collaborate with DOE programs, like EERE, to develop grant and other assistance programs to tribes and tribal energy resource development organizations for energy and energy infrastructure development.
- Coordinate and collaborate both within the Department and across other federal agencies to promote Indian energy development.

- Provide technical assistance and capacity building for tribal leaders and staff, tribal enterprises and organizations, and Alaska Native villages and corporations;
- Develop and implement carbon sequestration research or demonstration projects on Indian lands.

**Accomplishments & Strategic Initiatives**

In the prior appropriation year, IE achieved four significant accomplishments in program management and program development:

- Developed and delivered education and training programs for tribal leaders and tribal staff on energy planning, efficiency, development and infrastructure;
- Announced and implemented Strategic Technical Assistance Response Teams for 11 Tribes and Alaska Native Villages.
- Entered into a Memorandum of Understanding with the Denali Commission to promote and support energy development, efficiency and planning in Alaska Native Villages.
- Conducted four workshops for Tribal Leaders on energy development and finance; held five Tribal Leader Forums, and moderated five meetings of the Indian Country Energy and Infrastructure Working Group.

**Milestones**

Implement 2 <sup>nd</sup> round of START Program	Jan - Sept
Conduct 4 Forums, workshops	Quarterly
Host 4 ICEIWG Sessions	Quarterly
Develop on-line training module in NTER	June
Initiate Alaska Native Village Energy Plan	Oct

**Date**

- Provide on-line energy literacy content by 2013 for the National Training and Education Resource platform.

**Alignment to Strategic Plan**

The Department’s May 2011 Strategic Plan outlines two primary objectives to which the Office of Indian Energy aligns its activities: 1) Deploy the Technologies We Have; and 2) Lead the National Conversation on Energy. The Strategic Plan identifies 3 targeted outcomes to achieving these objectives, and the Office of Indian Energy is responsible for supporting Strategic Plan outcomes. The targeted outcomes are:

- Increase renewable energy capacity in Indian Country by 10% over baseline.

**Major Programmatic Shifts or Changes**

The Department requests \$2.506 million in Fiscal Year 2014 for IE, which is a 25% increase over the FY 2012 current level. The FY 2014 request maintains staffing levels from FY 2012, and enables IE to maintain current program efforts. The funding increase supports building upon successful programs that have been developed to support the Office’s responsibilities under the Energy Policy Act and the Administration and Secretary’s goal of increasing support for tribal energy development. The programs also support the Department’s strategic plan and targeted outcomes. These programs have successfully contributed to increased tribal energy generation and energy efficiency.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Request
Salaries and Benefits			
IE staff to remain flat, with small salary increase over FY 2012	865	905	+40
Travel			
Travel is reduced by 30% from FY 2012 budget	55	40	-15
Support Services			
Technical assistance resources necessary to build on major strategic initiatives that fulfill statutory responsibilities, support Department strategic plan outcomes, and achieve IE statutory goals	920	1,335	+415
Other Related Expenses			
Anticipated inflationary increases in Working Capital Fund and DOEEOE	160	226	+66
<b>Total Funding Change, Program Direction</b>	<b>2,000</b>	<b>2,506</b>	<b>+506</b>

**Support Services by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Request
<b>Support Services</b>			
Outreach/Indian Country Working Group	150	95	-55
Anticipate less resources to maintain efforts			
Transmission and Electrification	150	300	+150
Maintains technical assistance to tribes for transmission planning, transmission studies, and utility and electrification programs to ensure tribal clean energy development can reach the end-users of electricity.			

Departmental Administration/  
Office of Indian Energy/  
Program Direction

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs. FY 2012 Request
Energy Development Maintains the START program at 8-10 tribes per year	245	600	+355
Education and Capacity Building Maintains targeted energy development education for tribal leaders and tribal executives; expands and refreshes education materials on NTER system	250	340	+90
Carbon Sequestration activities Current efforts sufficiently funded through prior year funds	125	0	-125
Total, Support Services	920	1,335	+415

**Other Related Expenses by Category**

(dollars in thousands)

	FY 2012 Request	FY 2014 Request	FY 2014 Request vs. FY 2012 Request
Other Related Expenses			
Other Services	15	20	+5
DOE/COE	70	75	+5
Working Capital Fund	75	131	+56
Total, Other Related Expenses	160	226	+66



**Departmental Administration  
Office of Management**

**Program Direction  
Funding Profile by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Headquarters			
Salary & Benefits	37,350	---	33,030
Travel	1,184	---	964
Support Services	8,221	---	8,221
Other Related Expenses	15,238	---	13,484
Total, Headquarters	61,993	63,077	55,699
Full Time Equivalentents - MA	251	224	221
Full Time Equivalentents - WCF	35	35	40

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the "congressional control" level and above; below that level a dash (---) is shown.

**Public Law Authorizations**

Public Law 95-91, 42 U.S.C. 7252

**Overview**

The Office of Management (MA) provides the Department of Energy (DOE) with centralized direction and oversight for the full range of management, procurement and administrative services. MA's management activities include project and contract management policy development and oversight, and delivery of procurement services to DOE Headquarters organizations. Administrative activities include the management of Headquarters facilities and the delivery of other services critical to the proper functions of the Department. MA also fulfills the statutory responsibilities of the Chief Acquisition Officer, and, through the Office of Acquisition and Project Management, serves as DOE's Senior Procurement Executive.

MA's efforts will be accomplished through:

Aviation Management – Manages all DOE-owned aircraft and contract aviation services world-wide by developing and implementing policies and procedures, providing technical and management assistance to program leaders and field elements with aviation responsibilities; and by conducting independent oversight over all DOE elements that own or use aviation as a part of their mission, thereby ensuring aviation operations are safe, secure, efficient and effective.

Executive Secretariat – Facilitates quality document management; ensures the timely delivery of executive commitments and information; serves as the Department's Federal Preservation Officer; and oversees the Department's Federal Advisory Committee Program.

Information Resources – Implements the Department's Freedom of Information Act and manages the Directives Management and Delegation of Authority System.

Acquisition and Project Management – Validates the project performance baselines to include scope, cost and schedule of all the Department's largest construction and environmental clean-up projects prior to the budget request to Congress; ensures DOE's real property portfolio is managed effectively and sustainably to meet current and future needs by the most economical means available; conducts independent cost estimates at critical decisions (CD-2 and CD-3) for capital assets with a total project cost of \$100M or more; drives improvement in project, facilities and infrastructure, property, and procurement management systems; integrates sound fiscal acquisition and business practices into project and contract management; conducts external independent reviews of capital asset projects; conducts procurement management reviews of field and site contracting organizations; manages the Project Management Career Development Program to train and certify DOE's federal project directors; manages the Acquisition Career Management Program to train and certify DOE's Acquisition workforce; provides policy, guidance and oversight for contract, project and property

management, procurement and financial assistance, professional development of the Acquisition workforce, and contractor compensation, benefit pension, and risk management programs; and provides operational procurement services to Headquarters elements.

Administration – Provides Departmental oversight and support for printing and mail services; Headquarters support for facilities and assets management, safety and occupational health; travel, transportation and messenger/courier services; moving, warehousing, supplies, copier and space management; and manages the Departmental Foreign Travel and Exchange Visitor Program.

Scheduling and Advance – Manages scheduling and travel preparations for the Office of the Secretary.

**Alignment to Strategic Plan**

MA’s activities directly align with the Department’s Strategic Goal #4, “Management and Operational Excellence,” which is to establish an operational and adaptable framework that combines the best wisdom of all Department stakeholders to maximize mission success.

MA will continue to reassess its organization to maximize the efficient use of taxpayer dollars by leveraging available resources to fulfill all of its mission requirements.

**Major Programmatic Shifts or Changes**

The Department requests \$55.7 million in FY 2014 for MA, a \$6.3M decrease from the FY 12 level. The Offices of Engineering and Construction Management (OECM) and Procurement and Assistance Management (OPAM) merged to form the Office of Acquisition and Project Management. The merger improves mission execution and helps to better align contract and project policy, guidance and oversight. Beginning in FY 2014, Independent Cost Estimates and Independent Cost Reviews conducted by the Office of Acquisition and Project Management will be funded by program offices.

**Transfers**

The FY 2014 budget reflects 1) a net transfer in FY 2013 of 2 FTEs to the Office of the Chief Information Officer (OCIO) for Privacy (-\$446K), and the reinstatement of 7 FTEs to MA for STRIPES (+\$1,977K) previously slated for transfer to OCIO in FY 2013 budget materials; and 2) the transfer of 1 FTE to the Office of Environmental Management (EM) for acquisition management (-\$187K).

**Strategic Plan and Performance Measures**

STRATEGIC GOAL: Management and Operational Excellence		
OBJECTIVE: Successful project completion.		
TARGETED OUTCOME: Complete at least 90% of post-RCA construction projects [achieving Critical Decision 4 (CD-4), project completion, within a 3-year rolling timeline] at the original scope and within 110% of the cost baseline.		
FY 2012 Annual Measure #31: Project success		
	Target	Actual/ Met or Not Met
Budget Year (FY 2014)	90% success rate	N/A
Current Yr (FY 2013)	90% success rate	Q1: 88% success rate
Prior Yr (FY 2012)	90% success rate	95% success rate - Met
Analysis	For all new construction projects baselined after the Root Cause Analysis (RCA) Corrective Action Plan (CAP) initiative started in October 2007, 95% of projects completed during the FY 2010 to FY 2012 timeframe were completed successfully.	

2013 targets reflect DOE’s FY 2013 Budget Request to Congress. FY 2013 target updates can be found in the upcoming FY 2012–2014 Annual Performance Plan and Report.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Salaries and Benefits	37,350	33,030	-4,320
Net change is attributed to:			
<ul style="list-style-type: none"> <li>Functional transfer of 2 FTEs from MA to OCIO in support of the Privacy function. (-\$334K)</li> <li>Transfer of 1 FTE to EM in support of acquisition management. (-\$187K)</li> <li>Cost savings created through attrition, retirements, and pay freezes and 5 FTEs transferred to the WCF. (-\$3,799K)</li> </ul>			
Travel	1,184	964	-220
<ul style="list-style-type: none"> <li>Contributing to the Department’s efforts to reduce costs, MA reduced annual travel targets in FY 2014 in accordance with Administration guidelines. Reductions to be achieved through efficiencies created by the use of VTC, reduction in travel to conferences, use of lower airfare, and a reduction in the number of travelers per trip. (-\$217K)</li> <li>Functional transfer from MA to OCIO in support of the Privacy function. (-\$3K)</li> </ul>			
Support Services	8,221	8,221	0
<ul style="list-style-type: none"> <li>Program funding redirected from EIRs and EVMS in support of PARS II requirements.</li> </ul>			
Other Related Expenses	15,238	13,484	-1,754
Anticipated inflationary increases in Other Related Expenses costs will be offset by the reduction of MA’s footprint to create savings and, where appropriate, convert MA space into common space; administrative savings generated through the reduction in the acquisition of goods and services.			
<ul style="list-style-type: none"> <li>DOE is working to achieve economies of scale through an enhanced Working Capital Fund (WCF). The WCF increase is offset by significant reductions in MA’s space usage. (-\$1,645K)</li> <li>Functional transfer from MA to OCIO in support of the Privacy function for WCF, Training and DOECO. (-\$109K)</li> </ul>			
<b>Total Funding Change, Program Direction</b>	<b>61,993</b>	<b>55,699</b>	<b>-6,294</b>

**Support Services by Category**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

Support Services

External Independent Reviews (EIRs)

2,703                      2,203                      -500

Finances EIRs conducted by the Office Management (MA), which provide assurance that projects can be executed at the proposed performance baseline (scope, cost, and schedule). EIRs ensure the validity of the Department of Energy's (DOE's) project performance baselines prior to budget requests. EIRs are conducted for projects greater than \$100M for major programs and greater than \$50M for others lacking Project Management Support Offices. This EIR budget does not finance Congressionally mandated Independent Cost Estimates (ICEs), which, beginning in FY 2014, will be funded by program offices and conducted by MA on a "pay as you go" basis.

Earned Value Management System (EVMS)

1,009                      429                      -580

Finances certification and surveillance reviews to ensure contractor EVMSs comply with industry standards defined in ANSI/EIA-748. MA ensures contractors are EVMS compliant when the contractor portfolio includes a project greater than \$100M. EVMS is an industry-accepted process to ensure that projects are completed on cost, schedule and within scope against a baseline; it enables trend analysis and evaluation of estimated cost at completion and provides a sound basis for problem identification, corrective actions and management re-planning. These metrics are effective summary-level project measurements that senior executives can use to assess current project and program status.

Project Assessment and Reporting System II (PARS II)

920                      2,000                      +1,080

PARS II provides project status and assessment information for senior management and other stakeholders. Current funding will be used to provide operations and maintenance (O&M) for the existing system. This system is critical to enable appropriate project execution oversight, accurate monthly project assessments, and recommendations for senior management decision-making.

Foreign Travel Management Program

450                      450                      0

The Foreign Travel Management System (FTMS) is the DOE HQ corporate electronic database that manages and tracks official foreign travel for DOE federal and contractor personnel. Funds also cover the costs of support to address Department-wide issues pertaining to the Foreign Travel Management Program.

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Acquisition Career Management Program (ACMP) ACMP provides a training and career development certification program for contracting, purchasing, financial assistance, personal property management, contracting officers and contracting officers' representatives. The purpose of the program is to ensure that the acquisition workforce has the knowledge and skills necessary to effectively fulfill mission requirements.	500	500	0
Other Support Services Finances management and professional support services, studies, analyses and evaluations; and engineering and technical services. Areas of support also include project management control and performance, facilities and infrastructure, FAIR Act, contract management and administration, database maintenance, historic preservation and aviation assessments.	2,639	2,639	0
Total, Support Services	8,221	8,221	0

**Other Related Expenses by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Other Related Expenses			
Training	133	132	-1
DOECOE	1,130	1,122	-8
Working Capital Fund	12,431	10,751	-1,680
Other Related Services	1,544	1,479	-65
Total, Other Related Expenses	15,238	13,484	-1,754



**Departmental Administration  
Program Policy and International Affairs**

**Overview  
Appropriation Summary by Policy and International Affairs**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Program Direction	20,518	20,644	20,518
Policy Analysis and Systems Studies	441	444	441
Environmental Energy Policy Analysis	520	523	520
Climate Change Technology Program	5,482	5,515	5,482
<b>Total, Policy And International Affairs</b>	<b>26,961</b>	<b>27,126</b>	<b>26,961</b>

**Public Law Authorizations**

Public Law 95-91: "Department of Energy Organization Act" (1977) sec.203 (a)(11)

Public Law 109-58: "Energy Policy Act" (2005) Title V sec.502(a)

**Overview**

The Office of Policy and International Affairs (PI) serves as the primary advisor to the Secretary on domestic and international energy, climate, and technology policy. PI's role is to deliver unbiased advice to DOE's leadership on existing and prospective energy- and climate-related policies.

The policy leadership and international work of PI is primarily performed by Federal personnel and funded through Program Direction. PI also utilizes support services funding for analysis tools, data, and models.

The United States continues to be highly dependent on oil, especially for transportation which poses challenges for energy and national security, and climate is change as a result of global greenhouse gas emissions.

PI develops and analyzes cross-cutting energy and climate policies that enable DOE to address energy challenges ranging from short-term energy price and market volatility to the long-term technology transitions necessary to lessen U.S. dependence on oil and reduce greenhouse gas emissions.

PI oversees all of the Department's multilateral and bilateral relationships and agreements, and directly represents DOE and the U.S. government in a broad range of bilateral engagements with key producers and consumers and international organizations, forums, and cooperative ventures.

Departmental Administration/  
Office Of Policy and International Affairs/  
Overview

PI plays a unique and critical role within the DOE organization. PI strives to ensure that policies and programs achieve three key strategic initiatives: 1) energy security, 2) environmental security, and 3) economic growth. The following sections highlight PI activities that focus on each of these objectives, and PI seeks to integrate and balance all three objectives throughout its work program.

**Energy Security**

A major focus of PI's domestic and international efforts is the development and implementation of policies to increase United States energy options, reduce our dependence on hydrocarbons, and enhance the capability of markets to respond to supply disruptions and to adjust to changing circumstances. These goals are pursued through the development of domestic regulatory and economic policies, as well as active cooperation with a broad range of countries and international organizations representing all regions of the world, and all stages of energy and economic development. PI also works with foreign governments and institutions responsible for energy policy and programs to optimize energy production, foster regional and global energy security, and promote the use of U.S. technologies and investment and the establishment of practices to promote clean and renewable energy, and energy efficiency.

**Environmental Security**

The United States and other countries must strive to meet increasing demands for energy services while managing emissions of pollutants. PI supports the Department's efforts to pursue this objective through the implementation of policies that drive deployment of

advanced clean energy technologies, and cooperative international efforts.

PI's activity in this area includes conceiving, organizing, and launching the Clean Energy Ministerial (CEM) process which promotes national action and international cooperation to accelerate global market transformation in areas such as appliance efficiency, buildings and industrial efficiency, smart grid technologies and electric vehicles, and supporting other international efforts to develop and adopt technologies and policies to reduce global greenhouse gas emissions.

#### Economic Growth

The capacity and quality of the U.S. energy sector's infrastructure is a key factor in reliability and efficiency. PI analyzes and identifies the need for sufficient and reliable capacity for producing, importing, refining, generating, and distributing energy within North America, and assesses and encourages options that ensure that U.S. refining and distribution systems, as well as residential, commercial and industrial users can accommodate the introduction of fuels derived from unconventional oils, synthetic fuels and other new energy resources. PI analyses also examine and

encourage the development of well functioning and competitive energy markets in order to ensure economic productivity, as well as developing and promoting policies to support the development and deployment of technologies that will improve energy supply and end-use.

#### Alignment to Strategic Plan

PI activities are aligned with three of the goals in the Department's Strategic Plan:

- Goal 1: Catalyze the timely, material, and efficient transformation of the nation's energy system and secure U.S. leadership in clean energy technologies,
- Goal 2: Maintain a vibrant U.S. effort in science and engineering as a cornerstone of our economic prosperity with clear leadership in strategic areas,
- Goal 4: Management and Operational Excellence.

#### Major Programmatic Shifts of Changes

None. The Office of Policy and International Affairs is requesting \$26.9million for FY 2014. This request is equal to the FY 2012 request

**Program Direction  
Funding Profile by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Headquarters			
Salaries and Benefits	15,150	---	14,520
Travel	1,000	---	1,000
Support Services	1,522	---	1,190
Other Related Expenses	2,846	---	3,808
Total, Headquarters	<u>20,518</u>	<u>20,644</u>	<u>20,518</u>
Full Time Equivalents	101	99	98

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the "congressional control" level and above; below that level a dash (---) is shown.

**Public Law Authorizations**

Public Law 95-91: "Department of Energy Organization Act" (1977) sec.203 (a)(11)

Public Law 109-58: "Energy Policy Act" (2005) Title V sec.502(a)

**Overview**

Program Direction provides Federal staffing and associated funding required for the overall management of activities carried out by PI.

- PI program direction activities support and contribute to the success of the Department with value-adding analysis and activity in the areas of Policy and International Affairs. The majority of PI's program work is performed by federal personnel, which includes salary and benefits, overtime pay, lump sum leave payments and awards.

- Travel funding is used for international travel to support Departmental global dialogue addressing energy security issues, domestic travel to describe and discuss our national energy policy initiatives and programs, and travel to meetings relevant to domestic and international energy, science and technology, and environmental policies.

**Alignment to Strategic Plan**

PI Program Direction activities and Strategic Initiatives are aligned with the Department's Goal #4, Management and Operational Excellence.

**Major Programmatic Shifts or Changes**

None. PI is requesting \$20.5 million for FY 2014 Program Direction. This request is equal to the FY 2012 request.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Salaries and Benefits			
Anticipated obligations aligned with planned FTE	15,150	14,520	-630
Travel			
Primarily international travel in support of the Secretary's priorities	1,000	1,000	0
Support Services			
Support services reflects anticipated inflationary increases.	1,522	1,190	-332
Other Related Expenses			
Working Capital Fund costs will increase with placement of an FTE in Beijing starting in FY13. Reduced DOECOE costs will partially offset this increase.	2,846	3,808	+962
Total Funding Change, Program Direction	<u>20,518</u>	<u>20,518</u>	<u>+962</u>

**Support Services by Category**

Departmental Administration/  
Office of Policy and International Affairs/  
Program Direction

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Management Support Services	1,522	1,190	-332
Total, Support Services	1,522	1,190	-332

**Other Related Expenses by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Other Related Expenses			
Training	70	70	0
Working Capital Fund	2,776	3,738	+1,032
Total, Other Related Expenses	2,846	3,808	1,032

**Policy and International Affairs  
Funding Profile by Policy Analysis and Systems Studies**

(dollars in thousands)

FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
--------------------	--------------------------	--------------------

Policy Analysis and Systems Studies  
Policy Analysis and Systems Studies

441                      444                      441

**Overview**

Some of the program work of PI is accomplished via contract efforts funded in Policy Analysis and System Studies. PI often requires access to policy analysis tools, data and economic models available in the private sector.

**Benefits**

**Energy Modeling Activities**

- Funding will be used to update PI's U.S. energy supply and demand models, and U.S. and World-MARKAL models (MARKAL is a generic model used to predict the evolution over decades of specific energy systems) and other quantitative analysis tools. These capabilities provide a greatly expanded basis to support key Administration policy initiatives with prompt and logically consistent analysis of different policy scenarios; also provides cost-benefit analysis for Administration proposals.

**Transportation Energy Efficiency and Advanced Fuels**

- Funds will be used to examine fuel economy standards for light and heavy duty vehicles, methods of improving fuel economy, potential use of alternative fuel vehicles, impacts on domestic and foreign manufacturers, vehicle price impacts, and effects on safety, and air quality. Analysis will provide comparison of impacts from 2010 to 2030. Funding also supports evaluation of the effects vehicle efficiency standards have on vehicle miles traveled and evaluating the energy

security premium for policies that reduce petroleum consumption.

**Energy and Water**

- Funds will be used to quantify, at the regional level, the significance of water as a constraint on energy development. It will also identify cases in which energy development has been hampered and will ascertain the contribution of water resource limitations on energy development.

**Energy Market Disruptions**

- Funds will be used to assess the likelihood and effects of energy supply disruptions and analyze government actions to avoid or minimize adverse effects. Assessments of supply security including oil production outages, refinery outages, possible adverse consequences of commodity markets, and other disruptions such as logistical difficulties. This program also supports analysis and coordination analyses with other DOE offices and other federal agencies.

**Critical Materials**

- Funds will be used to evaluate factors pertinent to the demand and supply side risks, and within a Critical Materials Strategy Framework, develop policies and programs to increase U.S. energy security. Critical materials are those that are integral to meeting the clean energy goals but are at risk of a supply shortage particularly when combined with demand spikes.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

Policy Analysis and Systems Studies  
Policy Analysis and Systems Studies sub-program will continue to emphasize modeling capabilities in researching various energy sectors

441                      441                      0

Departmental Administration/  
Office of Policy and International Affairs/  
Policy Analysis and Systems Studies



**Policy and International Affairs  
Funding Profile by Environmental Energy Policy Analysis**

(dollars in thousands)

FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
--------------------	--------------------------	--------------------

Policy And International Affairs  
Environmental Energy Policy Analysis

520                      523                      520

**Overview**

PI is the Department’s lead representative in interagency, intergovernmental, and international proceedings relating to climate change and clean energy. Some of the program work of PI is accomplished via contract efforts funded in Environmental Energy Policy Analysis.

- Cost-Effective Incentives for Clean Energy Market Development

Domestic: Support development of cost-effective policy instruments which complement Administration and private sector technology innovation efforts, especially options that minimize use of federal resources, maximize use of market forces, and leverage private sector resources.

**Benefits**

PI Environmental Energy Policy Analysis activities catalyze the timely, material, and efficient transformation of the nation’s energy system and secure U.S. leadership in clean energy technologies.

International: Conduct outreach, build innovative and replicable analytical and measurement tools, and form partnerships to improve the uptake of clean energy technologies in emerging markets.

- Analysis of Laws and Rulemakings

Identify key rulemaking activities that could affect energy development, markets and use, and analyze the potential economic, energy and environmental impacts. Where such impacts appear significant, propose alternative approaches for meeting the objectives.

- Integrated Analysis of Large Scale Carbon Capture and Storage (CCS) Technology

Utilize model to assess current and anticipated future technology options to examine feasibility of incorporating carbon capture technology as an alternative to meeting efficiency improvements for existing plants.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

Environmental Energy Policy Analysis  
Environmental Energy Policy Analysis sub-program anticipates a nominal increase in emphasis on market assessment of Low Greenhouse Gas Fuels standards.

520                      520                      0

**Policy and International Affairs  
Funding Profile by Climate Change Technology Program**

(dollars in thousands)

FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
--------------------	--------------------------	-----------------

Policy And International Affairs  
Climate Change Technology Program

5,482                      5,515                      5,482

**Overview**

The PI Climate Change Technology Program provides strategic direction to intra-agency climate-related policy, technology, and international cooperation initiatives, and serves as the primary DOE liaison with other Federal agencies on clean energy policy via the multi-agency Climate Change Technology Program (CCTP). Through its leadership in both the domestic and international arenas, CCTP enables cost-effective greenhouse gas (GHG) reductions by recommending policies and programs to accelerate the development and deployment of clean energy technologies.

**Benefits**

**Domestic Policy and Technology**

Specific areas of activity include:

- Analysis of novel and/or pending legislative proposals related to clean energy deployment in the power sector, such as portfolio requirements and tax incentives, or in related end use sectors.
- Analysis of the energy system implications of various existing authorities, consideration of related implementation or execution issues, and development of improved approaches to regulatory cost-benefit analysis.
- Analysis of key technology policy questions related to technology supply and innovation, such as the role of energy finance instruments in deploying early-stage innovative technologies.

Through such capabilities and activities, CCTP bolsters DOE efforts to create a strategic, analysis-based, and integrative view of the federal RDD&D portfolio that cuts across individual agency and program portfolios and objectives.

**International Policy and Technology**

In recognition of the fact that 97% of emissions growth will come from non-OECD countries over the next twenty years, CCTP focuses significant attention on driving international cooperation on clean energy development and deployment. Of particular note is the leadership role

Departmental Administration  
Office of Policy and International Affairs/  
Climate Change Technology Program

that CCTP played in conceiving, organizing, and launching the Clean Energy Ministerial (CEM) process.

The CEM works to accomplish its objectives by combining:

- High-level policy dialogue among ministers responsible for clean energy research and deployment portfolios to better inform their own domestic policies and programs;
- Working-level cooperation to drive technical progress across a variety of clean energy fields; and
- Engagement with the private-sector to leverage its expertise, influence, and capital.

While the U.S. has played a critical role in ensuring momentum for the CEM through its role as the Secretariat for the CEM, CCTP's international team has also been leading several high-priority international cooperative initiatives, which include the Super-efficient Equipment and Appliance Deployment Initiative (SEAD), Clean Energy Solutions Center, Global Lighting and Energy Access Program (Global LEAP), International Smart Grid Action Network (ISGAN), and Global Superior Energy Performance Partnership (GSEP).

**Subprogram Accomplishments**

- SEAD launched path-breaking international collaborations that will accelerate energy efficiency standards and labeling efforts focused on seven major product categories. Programs addressing these products have the potential to save consumers in SEAD economies approximately \$75 billion per year by 2030<sup>a</sup>.

<sup>a</sup> SEAD Preliminary estimate, 2011,

<http://www.superefficient.org/en/Activities/Standards%20and%20Labels.aspx>

Preliminary estimate based on 1000 billion kWh annual savings in 2030 for the seven product categories using the Lawrence Berkeley National Laboratory Bottom-Up Energy Analysis System (BUENAS) (McNeil et al., 2012,

<http://www.superefficient.org/Resources/~media/Files/BUENAS%20Methodology.pdf>). Cost is calculated assuming 11c/kWh electricity tariff and 4 c/kWh cost of conserved electricity.

- SEAD collaboration led India to adopt solid-state lighting performance standards, which will deliver significant national energy savings in the years ahead.
- SEAD created an international awards program to drive global innovation by recognizing the most efficient commercially-available products (<http://www.superefficient.org/Activities/Awards.aspx>).

ISGAN established four foundational projects, whose near-term activities include the testing of a U.S.-developed benefit-cost analysis tool (<http://www.iea-isgan.org/>).

- GSEP launched pilot projects in both industrial facilities and commercial buildings in the U.S. and Canada, with the pilot projects committed to implementing an energy management system and pursuing continuous improvements in energy performance.

**Explanation of Changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
-----------------	-----------------	------------------------------------

Climate Change Technology Program

FY 2014 reflects minor adjustments to priorities for CCTP: identify, evaluate, and recommend potential new energy and climate policies, regulatory mechanisms, and programs that accelerate the development and deployment of clean energy technologies, increase the adoption of energy efficiency, or otherwise reduce greenhouse gas emissions across various sectors of the economy.

5,482	5,482	0
-------	-------	---

**Departmental Administration  
Office of Public Affairs**

**Program Direction  
Funding Profile by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Program Direction		---	
Salary & Benefits	2,341	---	2,372
Travel	135	---	135
Support Services	671	---	50
Other Related Expenses	654	---	1,040
Total, Program Direction	3,801	3,824	3,597
Full Time Equivalents	25	24	24

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the "congressional control" level and above; below that level a dash (---) is shown.

**Overview**

The mission of the Office of Public Affairs (PA) is to communicate information about DOE's work in a timely, accurate, and accessible way to the news media and the general public.

The Office of Public Affairs (PA) directly supports the mission of the Department and the Secretary of Energy by developing and implementing strategies for communicating the Department's message, its policies, initiatives and information to the news media and the general public. PA is also responsible for managing and coordinating public affairs activities for DOE headquarters, field offices, and DOE laboratories; serving as DOE's primary spokesperson in the news media; responding to requests for information from the public and the news media; arranging interviews with Department officials; providing speechwriting and media support services to the Secretary, Deputy Secretary and Under Secretaries; and preparing written press releases, fact sheets, electronic media and other products that communicate Departmental activities.

Through its Digital Strategy and Communications Office, the PA is also leading a cost-saving website reform effort to help upgrade the Department's digital communications and website efforts, reducing costly duplications while improving transparency and customer service to the public. Website reform is projected to save the Department of Energy \$10 million annually by FY 2015 and has already saved \$1.55 million since its initial launch in late FY 2011. The Office's Digital Strategy and

Communications program drives the Department's mission online via the innovative Energy.gov website, social networking tools, blog outreach, citizen engagement tools and other emerging online communication technologies. Digital Strategy and Communications is an innovative and growing part of our mission, as we seek to serve the public in more efficient and effective ways online. It is through our Digital Strategy program that we are accomplishing the Administration's Open Government principles of making government more transparent, collaborative and participatory.

**Accomplishments and Strategic Initiatives**

The Office of Public Affairs helps promote the Department's communications and policy objectives by:

- Issuing approximately 500 press releases promoting the Department's policies, programs and priorities;
- Scheduling and Staffing at least 125 public events for the Secretary and 100 public events for the Deputy Secretary;
- Scheduling more than 100 media conference calls with the Secretary to promote Department initiatives;
- Providing timely responses to approximately 150 inquiries from reporters each week;
- Scheduling hundreds of interviews with news media in nearly every state in the country;
- Providing public affairs support for 75 Congressional hearings;
- Posting thousands of stories on the Energy.gov blog;
- Increasing traffic to Energy.gov and keeping it safe/secure.

- Increasing following on DOE social networks by thousands;
- Increased presence on social media including piloting new platforms such as pinterest and instagram.

**Major Programmatic Shifts or Changes**

The Department requests \$3.597 million in FY 2014 for PA, down from the enacted level of \$3.801 million in FY12. The FY 2014 request enables the Department to openly and transparently communicate with the public and continue its website reform initiative.

**Alignment to Strategic Plan**

PA’s activities directly align with the Department’s Strategic Goal #4 “Management and Operational Excellence” with the objective of Achieving Operational and Technical Excellence.

**Strategic Plan and Performance Measures**

STRATEGIC GOAL: Management and Operational Excellence		
OBJECTIVE: Achieving Operational and Technical Excellence		
TARGETED OUTCOME: Align functional and programmatic reporting and where necessary, create organizational positions to focus and accelerate decision-making and accountability.		
FY 2014 Annual Measure #13 Reduce, consolidate, and/or move 40% of website to Energy.gov platforms.		
	Target	Actual/ Met or Not Met
Budget Year 14	>40%	TBD
Current Year 13	40%	TBD
Prior Year 12	N/A	N/A
Analysis	The Office of Public Affairs initiated a process in FY 2011 to review the Department’s existing website and identify opportunities for consolidating sites that address similar topics. DOE websites will be migrated to the new energy.gov platform thereby consolidating the total number of unique websites and allowing for more cost-effective open source management, cloud hosting, and improved broadcast communications.	

2013 targets reflect DOE’s FY 2013 Budget Request to Congress. FY 2013 target updates can be found in the upcoming FY 2012–2014 Annual Performance Plan and Report.

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
-----------------	-----------------	------------------------------------

Salaries and Benefits

Provides funding for 24 FTEs. This includes the Department’s team of media spokespersons, the New Media team that is managing an innovative and cost-saving effort to help upgrade the Department’s digital communications and website efforts, the speechwriting team that supports senior Department officials, and the administrative staff required to support the Department’s public affairs mission.

2,341                      2,372                      +31

Travel

Travel expenses support the office’s ability to provide appropriate staffing when the Secretary and Deputy Secretary travel to public events.

135                              135                              0

Support Services

Support Services includes the contractors utilized to lead a cost-saving effort to help upgrade the Department's digital communications and website efforts, reducing costly duplications while improving transparency and customer service to the public. That effort is funded primarily through one-time expenses. A major portion of that work was completed in FY2012 and is producing significant cost-savings throughout the Department.

671                      50                      -621

Other Related Expenses

Funding increase to capture increased Working Capital Fund and DOECOE costs. The WCF will cover ongoing Digital Media efforts previously funded entirely through the PA budget.

654                      1,040                      +386

Total Funding Change, Program Direction

3801                      3,597                      -204

**Support Services by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
Digital communications and website support	671	50	-621
Total, Support Services	671	50	-621

**Other Related Expenses by Category**

(dollars in thousands)

	FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
DOECOE	54	150	+96
Working Capital Fund	600	890	+290
Total, Other Related Expenses	654	1,040	+386



**Inspector General**

**Inspector General**

**Office of the Inspector General  
Proposed Appropriation Language**

*For necessary expenses of the Office of the Inspector General in carrying out the provisions of the Inspector General Act of 1978, as amended, \$42,120,000, to remain available until expended.*

**Explanation of Change**

No Changes



**Office of Inspector General**

**Program Direction  
Funding Profile by Category**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Total, Office of Inspector General Full Time Equivalents	42,000	42,257	42,120
	279	279	279

**Public Law Authorizations**

Public Law 103-356, "Government Management Reform Act (GMRA) of 1994"

Public Law 106-531, "Reports Consolidation Act of 2000"

Public Law 107-347, "Federal Information Systems Management Act (FISMA) of 2002"

Public Law 108-447, "Section 522 of the Consolidated Appropriations Act of 2005"

Public Law 111-5, "American Recovery & Reinvestment Act (ARRA) of 2009"

Public Law 111-352, "Government Performance and Results Modernization Act of 2010"

Public Law 112-194, "Government Charge Card Abuse Prevention Act of 2012"

**Overview**

As mandated by the Inspector General Act of 1978, as amended, the Office of Inspector General promotes the effective, efficient and economical operation of the Department of Energy, including the National Nuclear Security Administration (NNSA) and the Federal Energy Regulatory Commission (FERC). This is accomplished through audits, inspections, and investigations designed to improve the economy and efficiency and to detect and prevent fraud, waste, abuse, mismanagement and other violations of law.

The OIG continues to:

- Make positive contributions to the Department's mission-related priorities by identifying opportunities for cost savings, improvements in program and operational performance and efficiency; and, programs that no longer serve their intended purpose. Audit and inspection activities target the efficient and effective operation of the Department and its energy, science, environmental clean-up and national security mission. Through an aggressive investigations program, the OIG will bring to justice those attempting to defraud the

Department and the taxpayers. Currently there are 251 investigations in process, which focus on significant criminal enterprises that affect the Department's diverse activities.

- Investigate cases in areas that threaten public health, contract and grant fraud, cyber security and information technology that often result in significant monetary returns to the Department.
- Participate in multi-agency taskforce investigations that may involve the Department in larger schemes to identify fraud, waste and abuse.
- Review approximately \$30 billion in conditional loan guarantees for the development of innovative energy efficiency and conservation, nuclear, energy, fossil technologies, and advanced technology vehicle manufacturing.
- Evaluate the efficiency, effectiveness, and prioritization of major environmental cleanup programs including the construction of the Waste Treatment Plant at the Hanford Site and potentially leaking tanks at the Site.
- Evaluate major national security programs, including the National Nuclear Security Administration's nonproliferation and weapons life cycle extension programs.
- Review the design, construction and costs of major national security construction projects including the Uranium Processing Facility, and the MOX Fuel Fabrication Facility.
- Determine whether expenditures of approximately \$25 billion in grants and cooperative agreements intended to advance the use and development of energy efficiency and renewable energy, fossil energy and smart grid technologies are reasonable, allocable and allowable and are achieving their intended objective.
- Review selected aspects of security at Departmental and NNSA sites to include Y-12 and the contract governance system for NNSA.
- Make staff available to address new mandates passed by Congress.

**Accomplishments and Strategic Initiatives**

- Sustain a positive return for each tax dollar invested in OIG activities. In FY 2012, the OIG return was in excess of \$14 for every dollar of appropriations received.
- Sustain record of attaining fines, settlements and recoveries for the Federal government, which totaled approximately \$25.3 million in FY 2012.
- Make recommendations that DOE funds be put to better use, which in the past 3 years has included issuing over 200 reports with recommendations identifying over \$800 million in savings and questioned costs.
- Work on 16 Qui Tam lawsuits, which have resulted in approximately \$364 million in recoveries as of January 31, 2013.

**IG Strategic Plan Goals and Vision**

The OIG measures its performance against long-term and annual goals set forth in OIG planning documents.

The OIG successfully achieved its FY 2012 performance goals:

Goal 1- Promote Presidential Initiatives, Secretarial Mission Priorities and Congressional Requests.

Goal 2- Improve economy and efficiency and reduce waste, fraud and abuse within the Department

Goal 3- Support the Taxpayer

The OIG’s vision is to be a highly effective organization that promotes positive change by identifying opportunities for improvement in the performance and efficiency of the Department’s programs and operations.

**Major Programmatic Shifts or Changes**

The OIG is requesting \$42,120,000 in Fiscal Year 2014, which is a 0.3% increase over the FY 2012 level. This amount includes \$468K, which represents the OIG’s portion of the shared operating cost for the Council of the Inspectors General on Integrity and Efficiency (CIGIE). The OIG will continue to support coordinated government-wide activities and review areas of weakness and vulnerability in Federal programs and operations with respect to fraud, waste, and abuse. It will also fund activities of the Federal Audit Clearinghouse.

**Strategic Performance Management by Program**

Performance Measure	Program – OIG Effectiveness Measure		
Fiscal Year	2012	2013*	2014
Target	Complete by November 15 <sup>th</sup> the Department’s consolidated financial statement audit to determine whether the financial statements are free from material misstatement	Complete by November 15 <sup>th</sup> the Department’s consolidated financial statement audit to determine whether the financial statements are free from material misstatement	Complete by November 15 <sup>th</sup> the Department’s consolidated financial statement audit to determine whether the financial statements are free from material misstatement
Result	Met		
Endpoint Target	N/A		

Performance Measure	Program – OIG Effectiveness Measure		
Fiscal Year	2012	2013*	2014
Target	63	63	63
Result	77		
Endpoint Target	N/A		

\*2013 targets represent DOE’s FY 2013 Budget Request to Congress. FY 2013 target updates can be found in the upcoming FY 2012-2014 Annual Performance Plan & Report.

**Program Direction  
Funding Profile by Category**

(dollars in thousands/Whole FTEs)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
Los Alamos Site Office			
Los Alamos National Laboratory			
Salaries and Benefits	123	501	375
Travel	5	25	19
Support Services	0	0	0
Other Related Expenses	7	11	12
Total, Los Alamos Site Office	135	537	406
Full Time Equivalents	1	4	3
NNSA Service Center			
Albuquerque Operations Office			
Salaries and Benefits	3,688	3,754	4,255
Travel	161	188	213
Support Services	0	0	0
Other Related Expenses	194	81	132
Total, NNSA Service Center	4,043	4,023	4,600
Full Time Equivalents	30	30	34
Chicago Operation/Princeton Plasma Physics Lab.			
Salaries and Benefits	1,229	1,126	1,001
Travel	54	56	50
Support Services	0	0	0
Other Related Expenses	65	24	31
Total, Chicago Operations/Princeton Plasma Physics Lab.	1,348	1,206	1,082
Full Time Equivalents	10	9	8
Golden Field Office			
Salaries and Benefits	2,090	2,127	2,002
Travel	91	107	100
Support Services	0	0	0
Other Related Expenses	110	46	62
Total, Golden Field Office	2,291	2,280	2,164
Full Time Equivalents	17	17	16
Idaho Operations Office			
Salaries and Benefits	1,106	1,251	1,251
Travel	48	63	63
Support Services	0	0	0
Other Related Expenses	58	27	39
Total, Idaho Operations Office	1,212	1,341	1,353
Full Time Equivalents	9	10	10

(dollars in thousands/Whole FTEs)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
<b>Pittsburgh Naval Reactors Office</b>			
Salaries and Benefits	2,704	2,753	2,753
Travel	118	138	138
Support Services	0	0	0
Other Related Expenses	142	59	86
<b>Total, Pittsburgh Naval Reactors Office</b>	<b>2,964</b>	<b>2,950</b>	<b>2,977</b>
Full Time Equivalents	22	22	22
<b>Nevada Site Office</b>			
Salaries and Benefits	983	876	876
Travel	43	44	44
Support Services	0	0	0
Other Related Expenses	52	19	27
<b>Total, Nevada Site Office</b>	<b>1,078</b>	<b>939</b>	<b>947</b>
Full Time Equivalents	8	7	7
<b>Livermore Site Office</b>			
Lawrence Livermore National Lab.			
Salaries and Benefits	2,581	2,503	2,628
Travel	113	125	131
Support Services	0	0	0
Other Related Expenses	136	53	82
<b>Total, Livermore Site Office</b>	<b>2,830</b>	<b>2,681</b>	<b>2,841</b>
Full Time Equivalents	21	20	21
<b>Oak Ridge Operations Office</b>			
Salaries and Benefits	4,794	5,506	4,881
Travel	210	276	245
Support Services	0	0	0
Other Related Expenses	252	119	151
<b>Total, Oak Ridge Operations Office</b>	<b>5,256</b>	<b>5,901</b>	<b>5,277</b>
Full Time Equivalents	39	44	39
<b>Richland Operations Office</b>			
Salaries and Benefits	1,721	1,001	1,752
Travel	75	50	87
Support Services	0	0	0
Other Related Expenses	90	22	55
<b>Total, Richland Operations Office</b>	<b>1,886</b>	<b>1,073</b>	<b>1,894</b>
Full Time Equivalents	14	8	14
<b>Savannah River Operations Office</b>			
Salaries and Benefits	1,721	1,627	1,627
Travel	75	82	82
Support Services	0	0	0
Other Related Expenses	90	35	51
<b>Total, Savannah River Operations Office</b>	<b>1,886</b>	<b>1,744</b>	<b>1,760</b>
Full Time Equivalents	14	13	13

(dollars in thousands/Whole FTEs)

	FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
<b>Washington Headquarters</b>			
Salaries and Benefits	5,777	5,382	5,507
Travel	254	270	276
Support Services	240	0	0
Other Related Expenses	1,937	2,081	1,930
<b>Total, Washington Headquarters</b>	<b>8,208</b>	<b>7,733</b>	<b>7,713</b>
Full Time Equivalents	47	43	44
<b>Field Services Activities in Washington, D.C.</b>			
Salaries and Benefits	3,687	4,755	4,380
Travel	162	238	220
Support Services	150	0	0
Other Related Expenses	1,046	1,525	1,463
<b>Total, Field Services Activities</b>	<b>5,045</b>	<b>6,518</b>	<b>6,063</b>
Full Time Equivalents	30	38	35
<b>D.C. Field Sites (Germantown)</b>			
Salaries and Benefits	2,090	1,753	1,627
Travel	92	88	82
Support Services	1,100	965	800
Other Related Expenses	536	525	534
<b>Total, D.C. Field Sites</b>	<b>3,818</b>	<b>3,331</b>	<b>3,043</b>
Full Time Equivalents	17	14	13
<b>Office of Inspector General</b>			
Salaries and Benefits	34,294	34,915	34,915
Travel	1,501	1,750	1,750
Support Services	1,490	965	800
Other Related Expenses	4,715	4,627	4,655
<b>Total, Office of Inspector General</b>	<b>42,000</b>	<b>42,257</b>	<b>42,120</b>
Full Time Equivalents	279	279	279

**Explanation of Funding AND/OR Program Changes**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

**Salaries and Benefits**

Increase is a result of offers extended in FY 13. The OIG plans to maintain personnel levels (steady-state 279 FTEs) with specialized skill sets (e.g., Certified Public Accountants, Technology Crime Investigators, Certified Fraud Examiners) in order to expertly address the significant Departmental challenges in its programs and operations. It is the OIG's intent to pay for training certifications and credentials (consistent with the Inspector General community), in order to retain highly qualified employees.

34,294	34,915	+621
--------	--------	------

Travel

Increase in travel is required for additional employees hired in FY 13. Extensive travel is required to make first-hand observations of conditions and review original records at DOE sites; conduct interviews; follow up on leads; meet with subjects, witnesses, and U.S. Attorneys; and appear in court.

1,501                      1,750                      +249

Support Services

Decrease in Support Services resulted from the transfer of DOECOE and Energy Inspector General Project Tracking (EIGPT) costs to Other Related Expenses.

1,490                      800                      -690

Other Related Expenses

Decrease in Other Related Expenses adheres to OMB guidance to decrease Information Technology Purchases. This funding includes forensic hardware and software required to accomplish our investigative responsibilities. This funding also includes training, which is critical for OIG staff in order to maintain required levels of proficiency and comply with the Inspector General Act by meeting GAO training requirements. Training funds are also required to support the CIGIE standards, Hotline requirements and succession planning requirements. Funds are included in the FY 14 target for the mandatory support for CIGIE (\$468K) and to fund OIG's share of the DOE Working Capital Fund (WCF) and DOECOE. Other expenses include mandatory physicals for investigators, personnel security investigations and other services. General support in the field is provided by DOE.

4,715                      4,655                      -60

Total Funding Change, Program Direction                      42,000                      42,120                      +120

**Support Services by Category**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

Support Services

Consulting Services

1,013                      800                      -213

IT Services

477                      0                      -477

Total, Support Services

1,490                      800                      -690

**Other Related Expenses by Category**

(dollars in thousands)

FY 2012 Current	FY 2014 Request	FY 2014 Request vs FY 2012 Current
--------------------	--------------------	---

Other Related Expenses

Other Services

1,758                      1,186                      -572

Training

497                      475                      -22

Working Capital Fund

2,460                      2,994                      +534

Total, Other Related Expenses

4,715                      4,655                      -60

The following table provides detailed information on the development of the budget request for the Office of Inspector General (IG). The table identifies the FY 2014 budget request for the IG, funding requested to support training and the CIGIE in accordance with provisions of the Inspector General Reform Act of 2008 (Pub. L. No 110-409).

	(dollars in thousands)
	<u>FY 2014</u>
FY 2014 Inspector General Budget Request	42,120
Training	475
Support Funding for Council of the Inspectors General on Integrity and Efficiency	468

The FY 2014 Budget Request satisfies the OIG's training requirements and the resources in support of the CIGIE. By the end of FY 2012, all of the Department's Recovery Act funding was obligated. However, ongoing Recovery Act audits, inspections and investigations will continue and will be funded with non-Recovery Act funds.



# **Working Capital Fund**

# **Working Capital Fund**

## **Working Capital Fund Program Mission**

The Working Capital Fund (WCF or Fund) is a financial management tool for improving the financing and delivery of a range of common administrative services. Service delivery is assigned to Business-line Service managers; financial responsibility resides in a Fund Manager and individual Business-line Managers who are responsible for billing and funds control. The Fund creates a framework for business-like organization of support functions and market-like incentives for both customers and suppliers.

The objectives of the Fund include:

- Improve the efficiency of administrative services by providing managers with the opportunity and responsibility to make choices on the amount, priority, and, where possible, the sources of administrative services used by their programs;
- Ensure that program mission budgets include a fair allocation of the costs of common administrative services; and
- Expand the flexibility of the Department's budget structure to permit service providers to respond to customer needs.

Fund businesses maintain performance-based plans that inform the budget and alert the Fund Manager of the need to change pricing policies. Each quarter, the Fund Manager reviews financial and business performance, which culminates in an Annual Report that includes analysis of financial measures in addition to each business' performance against its published standards.

This budget charges full cost recovery for each business in its budget and program billings. Full costs in Fund prices improve cost accounting for WCF activities, support improved decision-making for business line operations and Program spending, and allow the Fund Manager to benchmark other federal agency costs on an equivalent basis. This information will allow the Department to improve the efficiency of WCF service offerings. The Fund Manager is creating controls to satisfy oversight requirements, including biweekly budget reports on spending. This change is consistent with other agency WCFs and satisfies the need to recover costs in reimbursable activities.

In FY 2014, the Department seeks to finance \$96.5 million Fund activities using program funding (see Table 3). Because some programs, such as the staff offices, possess program direction funding only, their share of

these activities will continue to use program direction funding to pay for these services.

### **WCF Business-line Accomplishments**

WCF operations are valued by customers, serve the Department, and remain within the fiscal and policy guidelines established by the Department and by Congressional Committees. The Fund Manager's FY 2012 Annual Report documented that the Fund experienced an under-recovery of \$4.1 million for its FY 2012 operations; and for the first 16 years of operations, reported a positive result of operations, \$5.6 million, or 0.3 percent of customer billings. Although net earnings for individual business-lines have fluctuated between profit and loss over the years, the DOE is achieving its goal of sustained break-even operations.

The Department continues to examine ways of using the Fund to gain greater management efficiencies. The Fund has reported efficiency and effectiveness performance metrics since its inception and documents continuous improvement efforts to provide program customers with the best goods and services possible. Performance baselines include data recorded before the inception of the Fund. In addition to specific goals, the businesses describe strategies to improve resource utilization and accomplish objectives.

The Fund continues to help Departmental management with emerging issues such as financing Cyber-security, DOE's new procurement system, the DOE-wide area network (backbone for collaborative technologies), building modernization and safety improvements, project management training, computer-based learning, and the shift away from paper intensive systems. At the same time, the Fund has allowed businesses to close, including the Executive Information System, Desktop, and the original Supply business. Other accomplishments include:

- The Administrative Businesses streamlined operations which resulted in the following savings to programs: Mail and Transportation - \$607,000; Photocopying - \$173,000; and, Printing - \$227,000.
- The Building Business:
  - Established the Mobile Work Center at Forrestal to provide temporary office space to employees from DOE sites and laboratories.
  - Implemented the headquarters housing plan that resulted in releasing 30,000 square feet of

space in a leased facility saving \$566,000 in FY 12 and \$853,000/yr.

- The Telecommunication business:
  - Realized \$2 million in savings that were passed on to program customer.
  - Sustained Headquarters' Network Services Availability at 99.99%
  - Sustained DOEnet (wide area network) availability at 99.97%
  - Sustained Internet service availability at 100%
  - Sustained RSA/VPN services availability at 100%
  - Sustained Phone availability in excess of 99% as measured by dial tone.

- The Project Management Career Development Program provided training to support a 7.5% growth in certified federal project director workforce at DOE since 2008.
- The iManage business:
  - Customer Satisfaction - 58% (Under target);
  - Uptime - 95% (Met)
  - Program billing for the Corporate Human Capital Information System and Payroll services have not increased since FY2002.
  - CHRIS implemented paperless employee performance management.
  - STARS - Month-end closing by 3rd workday (Met); Invoices paid on time - 98% (Met)
  - IDW - Percent of Data in error - less than 2% (Met)

(dollars in thousands)

FY 2012 Current	FY 2013 Annualized CR	FY 2014 Request
180,312	204,095	279,172

Working Capital Fund

### Working Capital Fund: Business-line Budgets

Table 1 summarizes projected customer billings by business-line. These billings are the result of established pricing policies, which, together with service level agreements, provide the basis for programs to manage their utilization of the WCF and control their budgets. Changes from FY 2012 to FY 2014 Request for WCF businesses total \$98.9 million due largely to: new business activities that were proposed for FY 2013 but

delayed due to the continuing resolution (\$76.8 million); and increases to iManage (\$14.1 million), DCAA Audits (\$5.8 million), and other (\$2.2 million). Pension Studies are moved from Financial Reporting Control Assessment in FY 2014. Further descriptions of these changes are included in the individual business line sections that follow.

**Table 1**  
**Working Capital Fund Budget by Business-line <sup>a</sup>**

(dollars in thousands)

	FY 2012 Current	FY 2013 Annualized CR*	FY 2014 Request
Supplies	2,399	---	2,854
Mail and Transportation Services	3,763	---	4,389
Photocopying	3,261	---	3,818
Printing and Graphics	4,202	---	4,186
Building Occupancy	98,683	---	97,236
Telecommunications	17,921	---	30,258
CyberOne	0	---	40,000
Procurement Management	11,987	---	17,807
Corporate Training Services	671	---	2,697
Health Services	0	---	1,700
Project Management Career Development Program	1,469	---	1,615
iManage	23,654	---	37,768
Financial Reporting Control Assessment	1,196	---	1,600
Pension Studies	0	---	720
Financial Statement Audits	11,108	---	11,709
Overseas Presence	0	---	14,816
Interagency Transfers	0	---	6,000
<b>Total, Working Capital Fund</b>	<b>180,312</b>	<b>204,095</b>	<b>279,172</b>

\*FY 2013 amounts shown reflect the P.L. 112 175 continuing resolution level annualized to a full year. These amounts are shown only at the "congressional control" level and above; below that level a dash (---) is shown.

<sup>a</sup> Numbers may not add due to rounding.

The following section includes a description of each business-line; each business-line's pricing policy, and selected performance measures:

### Supplies

#### Description

This business operates two self-service stores, which carry a wide variety of consumable office products. At customers' request, it acquires specialty items, not stocked in the stores. Products carried are based on review of equipment in the agency inventory and customer input and suggestions.

This business is operated by Paper Clips, the office supply store name assigned by Winston-Salem Industries for the Blind, an affiliate of the National Industries for the Blind

(NIB). Paper Clips operates the DOE supply stores as a commercial operation. Paper Clips is paid only for the supplies purchased by DOE employees.

#### Pricing Policy

Each organization pays for supplies purchased by its employees.

The budget increases over FY 2012 Current due to an expectation that consumption will return to normal levels and space for the supply stores is included in prices in FY 2013 for the first time.

### Mail and Transportation Services Business-line

#### Description

The DOE Mail Center provides a variety of mail services for all official and other authorized mail for the Department of Energy and its employees. The services include the processing of all incoming postal mail, outgoing official mail, internal mail processing, accountable mail processing, pouch mail, a variety of overnight express mail services, messenger services, directory services, and pick-up and delivery services. In response to the risk of terrorism, the business-line implemented various processes for sanitizing and testing mail against bio-terrorist attacks.

Transportation services provide shuttle bus operations and fleet services.

#### Pricing Policy

Mail service pricing has multiple components:

- Offices pay the actual dollar cost for outgoing United States Postal Service (USPS) mail and for Federal Express or other special mail. Offices pay for internal mail distribution based on the number of

mail stops;

- Offices pay for Mail Security (\$149,000/year) based on their percentage of incoming USPS mail over the preceding six-month period;
- Offices pay for Express Mail Labor based on their percentage of the total volume of incoming and outgoing special mail during the preceding six-month period;
- Offices pay for USPS Outgoing labor based on their percentage of actual outgoing mail for the preceding six months;
- Offices pay for specified special services on a negotiated basis;
- Programs pay for shuttle bus services based on their prior year usage;
- Programs pay for courier and messenger services based on their prior year usage;
- Programs pay for headquarters fleet services based on their prior year usage.

The budget increases from FY 2012 Current because industrial space supporting the business is added in FY 2013 billings for the first time.

## Photocopying

### Description

This business provides the following services:

- Staffed photocopy centers at Forrestal, Germantown and L'Enfant Plaza capable of reproducing 25,000 impressions per document;
- Centralized (Walk-up) Photocopy Rooms;
- Dedicated (Customer-Assigned) Photocopiers including needs assessment analysis to determine workload and most appropriate equipment;
- Digital document management, including optical scanning of paper copy documents and storage on disk; and,
- Digital news clips to programs based on subscriptions. These news clips were previously provided as hard-copy documents prepared in the copy business.

In FY 1996, before creation of the Fund, DOE headquarters made over 100 million copies. The number of copies declined rapidly after creation of the Fund and has continued to decline. Currently, DOE HQ photocopies at an annual rate of 17 million.

### Pricing Policy

Each office pays the full cost to maintain and supply its assigned dedicated photocopiers. For walk-up and staffed photocopiers, a cost per photocopy is calculated and programs are charged based on the number of photocopies made by program staff. The digitization pricing policy is to charge on a per-page basis to cover the costs of this business segment.

The budget increase over FY 2012 Current is due to added usage of color copiers and charging space in the business during FY 2013 for the first time.

## Printing and Graphics

### Description

The printing and graphics business-line provides procurement and liaison with commercial printers through the Government Printing Office. It also provides design and development of pre-press graphics, electronic forms and exhibits, and court reporting services. Contractor staff distributes materials produced in-house as well as materials produced by other government agencies. This business-line also provides professional photography, lab technicians, portrait studio operations, graphics visual aids and presentation materials.

Centralized visual archives are provided through a repository of general interest photos.

### Pricing Policy

Organizations pay direct costs for printing, printed products, Federal Register publications, and some graphics services. Additionally, programs pay maintenance and depreciation costs on graphics equipment and graphics supplies as a percentage allocation of costs incurred in the previous fiscal year.

## Building Occupancy

### Description

The core services of the Building Occupancy Business-line include space assignment and utilization, utilities (such as heat and electricity), cleaning services, snow removal, maintenance, pest control, trash removal, and waste recycling. Engineering and facilities services provided are drafting, construction management and inspection, engineering, lock repair and key management, safety and occupational health, moving and warehousing services, and conference support. This business also provides electronic services, which involve audio/visual meeting and conferencing support as well as repair and maintenance of Headquarters radio communications and electronic equipment. Approved improvements to the Headquarters complex are also included.

### Pricing Policy

Policy is based on direct costs and allocations in the following manner:

- Each year, organizations sign occupancy agreements that define the space to be assigned to them;
- On a building-by-building basis, direct rental value of the space assigned to each organization is calculated, based on the rent charged to the Department by the General Services Administration. Customer rent costs are based on areas assigned to each organization at the start of each fiscal year;
- Common use space costs in each building are divided among the tenants of that building based on their proportional shares of direct rent costs;

**Departmental Administration/  
Working Capital Fund**

- Certain additional costs, such as common area improvements and health and life safety programs, are allocated as a pro rata addition to the building-by-building charges described above;
- Electronic Services charges are allocated according to direct building occupancy costs;
- In addition, tenants may arrange, at their own cost, alterations of office space; and

- Charges related to property management are allocated based on program usage during the prior fiscal year.

The budget declines due to reducing the use of leased buildings and the net effect of transferring program space costs to WCF businesses, thereby collecting rent from businesses and not the programs listed below.

### Telecommunications

As a result of the department's transition from analog to digital phone infrastructure, the technology of phone operations and network operations merged. In order to take advantage of efficiencies in combined infrastructure spending, operations, and business management, the department combined the phone and network businesses into the Telecommunications business. This merger formalized management changes already in place and will reduce the costs of administering two businesses.

The Telecommunications business will phase in the process of merging business practices as they become available. Initially, financial support, contracting, and interface with the WCF Fund manager will be merged. Other operations directly related to phone operator and equipment services have no similar network corollary. Other infrastructure corollaries between the two segments must be delayed until network upgrades are completed in the next few years. However, as the opportunity for merger and the resulting cost savings arise, those respective operations will be combined.

#### Telephone Segment

The telephone business-line is the telephone company for DOE Headquarters. It comprises an infrastructure connecting two main headquarters buildings and satellite buildings for internal dialing and commercial basic line service. The infrastructure includes communication networks, installed telephone processing switching equipment, and trained technical personnel. Telephone service includes local, long distance, and international dialing provided through the Headquarters Information Exchange (IX) System; specialized services such as operator-assisted calls (including large audio conference calls), voice mail, three-way calling, call forwarding, automatic ring-back, and custom calling cards; and trained technical personnel to install, repair and operate the system. There are approximately 14,500 telephone connections in DOE Headquarters. This reflects a reduction of 10 percent from the nearly 16,000

connections that were in place in FY 1996, before the Fund was implemented.

#### Pricing Policy

Telephone system costs are allocated to Headquarters offices based upon four categories:

- Headquarters telephone system infrastructure costs, which are composed of: (a) the cost of the leased telecommunications circuits connecting the Headquarters buildings to the internal telephone system, including the CENTREX telephone line charges for staff located in leased facilities; (b) the cost of leased telecommunications circuits that support local, long distance and international calling; and (c) the cost of the technical staff who operate the Headquarters telephone switches, and install and repair the telephone wiring plant, are allocated among program organizations based on the number of active telephone lines as a per line monthly charge. Since the Fund's inception, program customers have been validating, and reducing, the number of active phone lines;
- The costs of dedicated communication circuits are allocated to those organizations requesting installation of such lines,
- All long distance, local, and international calls at headquarters are allocated to the originating telephones and thus to programs based on the actual billing information received by the Department;
- All recurring electronic communication devices (cellular phone, pagers, blackberries, etc.), service contract costs, and equipment purchases are charged to programs based on actual usage.

#### Network Business Segment

Networking provides:

- Connectivity for DOE Headquarters and Field operations through Local and Wide Area Networks. This connectivity provides interoperability for 86 organizational Local Area Network (LAN) segments in two main headquarters and associated satellite

buildings, and connectivity to the Headquarters application host systems. There are approximately 13,000 LAN connections in Headquarters. Field LAN connections are being added as those sites convert to the DOE standard configuration;

- Access to and Cyber-security for the Internet and World Wide Web, Electronic mail, and other applications for information processing and sharing through the backbone infrastructure;
- Interface services and communications links to field sites, other government agencies, and public/private business partners; and
- Connectivity to the entire national complex through DOEnet.

The DOEnet is a centrally managed Wide Area Network designed to support DOE corporate systems and carry business sensitive data to users throughout the DOE community. DOEnet currently provides connectivity to 38 sites, each adhering to a uniform connection policy to ensure a level of security.

### Pricing Policy

Networking charges represent infrastructure costs which are composed of: (1) the cost of leased telecommunications circuits; (2) the cost of maintaining common network infrastructure components (routers, switches, etc.) and upgrades where needed; and (3) the cost of providing technical staff to install and repair network connections and monitor/operate the various common network components. These charges will be allocated among program organizations based on the number of active LAN connections, as a monthly charge. Since the Fund's inception, program customers have been validating the number of these connections. DOEnet costs are allocated to participating sites based on the costs associated with providing the service – circuit costs, hardware and maintenance costs, and the cost of providing technical staff.

The budget increase related to full cost pricing policies for FY 2013 is \$2.2 million. Federal support is related to planning, operations, and contractor oversight in this highly leveraged operation. There is also a \$2.1 million increase to enable the department to bill field sites consistent with headquarters policies, \$2 million for teleconferencing, and \$4.0 million to finance network upgrades. These charges were previously charged to programs outside of the working capital fund and represent no increase in DOE spending..

## CyberOne

CyberOne is the Department's solution for managing enterprise-wide identity management and cyber-security for DOE systems and data. CyberOne is consolidating and streamlining Department-wide systems and business processes to mitigate the risk of intrusion and the threat such intrusions pose to high-valued national assets. CyberOne integrates various tools at headquarters and across the DOE complex and secures both data transmission and data repositories at these diverse sites.

### Description

**Identity Credentialing:** The DOE Identity, Credential and Access Management (ICAM) initiative satisfies Homeland Security Presidential Directive -12 (*HSPD-12*), Office of Management and Budget (OMB) mandates (*M-04-04*, *M-05-24*, and *M-11-11*) and Federal Chief Information Officer Council (*Federal ICAM Roadmap and Implementation Guidance*). The DOE ICAM Integrated Project Team published the DOE Federated ICAM Framework (Framework) that defines the goals and objectives for achieving a DOE ICAM target state that:

**Departmental Administration/  
Working Capital Fund**

- Facilitates the sharing of identity information across DOE organizations as well as with external DOE entities;
- Embraces identity credentials at all Levels of Assurance as defined in M-04-04 (to include DOE and other Federal Agencies' HSPD-12, PIV-I, non-PIV, and external credentials approved by GSA's Trust Framework Provider Adoption Process) for access to DOE facilities and information systems
- Fosters an enterprise and interoperable access management approach that links DOE physical access control systems (PACS) and logical access control systems (LACS) to a federated access management infrastructure; and,
- Streamlines the provisioning, updating, and de-provisioning of access to DOE systems to ensure DOE personnel have access to facilities, applications, and information to which they are entitled and only for the time period or duration in which they require it.

- NIST SP 800-53

Although the Framework provides the foundation for DOE program and staff offices to implement ICAM in a manner that promotes interoperable access and secure information exchange across the complex, the success of the DOE ICAM initiative hinges on several key enterprise-wide services and capabilities which include:

- An enterprise service that links data stores throughout the complex to render an authoritative data source of identity data of all DOE personnel;
- An access management service that facilitates a single sign-on experience to DOE systems and applications that integrate or leverage the enterprise service;
- An HSPD-12 credential validation broker that offers alternatives for validating HSPD-12 credentials issued by all Federal Agencies;
- An enterprise credentialing service for issuing and managing DOE credentials; and,
- An enterprise PKI that is on the Federal Bridge and provides PKI certificates for interoperable and secure information exchange internal and external to DOE.

**Incident Response and Decontamination:** The Department's Incident Response and Decontamination program services help ensure DOE alignment with Administration cyber-security management priorities including the Comprehensive National Cyber-security Initiative (CNCI) as well as the following statutory and regulatory drivers:

- Federal Information Security Act (FISMA) 2002
- Homeland Security Act 2002
- Information Sharing Environment - Intelligence Reform and Terrorism Prevention Act of 2004 (IRTPA)
- Privacy Act 1974
- Health Insurance Portability and Accountability Act (HIPAA) of 1996
- Health Information Technology for Economic and Clinical Health Act (HITECH Act)
- Executive Orders 13526, 12598
- Homeland Security Presidential Directives 5,7,8,23
- CNSSP-18, National Policy on Classified Information Spillage
- CNSS-048-07, National Information Assurance (IA) Approach to Incident Management
- CNSSI 1001, National Instruction On Classified Information Spillage
- OMB Memoranda 04-15, 06-19, 07-16
- OMB Circular A-130
- FIPS 200

The Department's Incident Response capability, DOEIRCC, provides front line cyber- defense and Department-level situational awareness in a rapidly increasing threat environment. DOEIRCC coordinates communications and reporting on behalf of the agency for cyber-security events and cyber- emergency response with US-CERT and other agency partners. At its core, DOEIRCC facilitates the aggregation, correlation, and deconfliction of inputs from Cooperative Protection Program (CPP) sensors and other data sources; provides analysis from the DOE Computer Forensics Laboratory (CFL); and conducts attack trending and tracking of Advanced Persistent Threat from the Cyber Threat Focused Operations (CTFO) program.

To enhance situational awareness and better inform management decisions from system owners to agency leadership to combat this Advanced Persistent Threat (APT), the DOE and NNSA OClO have partnered to develop the Joint Cyber-security Coordination Center (JC3). JC3 will integrate all Departmental incident management capabilities into a coordinated response entity and provide front line cyber defense and Department-level situational awareness. JC3 will facilitate the aggregation, correlation, and deconfliction of inputs from Cooperative Protection Program (CPP) sensors and other data sources; provides analysis from the DOE Computer Forensics Laboratory (CFL); and conducts attack trending and tracking of Advanced Persistent Threat through the Cyber Threat Focused Operations (CTFO) program. JC3 will coordinate all incident management activities including prevention, detection, containment and recovery for all DOE Elements, as well as coordinate communications on behalf of the agency for cyber-security events and cyber emergency response with US-CERT and other agency partners.

**Cooperative Protection Plan:** The Cooperative Protection Program (CPP) shares Incident Response program's statutory and regulatory drivers. The Cooperative Protection Program (CPP) designs, operates, and enhances a system that collects high quality, information rich network data sets, enabling a more robust defense against adversaries targeting DOE assets. CPP maintains a voluntary partnership between DOE HQ elements, the participating sites, and analysis centers to enable the most effective use of the data collected by CPP. Network sensors are capable of monitoring 10 Gigabit network links existing at over 90 DOE government and contractor facilities examining about 36 Terabytes/Day of raw network traffic, and generating over 1.4 Terabytes/Month processed data. This data is used by

analysts to gain insights into the motives of our adversaries, and enables a rapid response to emerging threats. CPP collaborates with other USG agencies, commercial companies, and the open source community to continually enhance system sensing capabilities.

**Cyber Federated Model:** As with CPP, CFM shares its statutory and regulatory drivers with Incident Response. The DOE Cyber Fed Model (CFM) provides a network of near real-time cyber-security threat information for the Department’s National Laboratories and site offices to coordinate autonomic responses as targeted cyber attacks occur.

Since August 2009, the CFM system has transferred over 440,000 IPv4 block alerts, containing over 200,000 unique bad actor IP addresses. Over the past 12 months, 640 hostile IPv4 addresses have been shared daily. As in many cyber incidents, timely sharing of information is often a second thought – the CFM allows for the cyber systems to share, act and provide a coordinated defense 24x7x365. Below is an example of the possible gains that a local site’s cyber defense might see through effective and timely sharing of alert information.

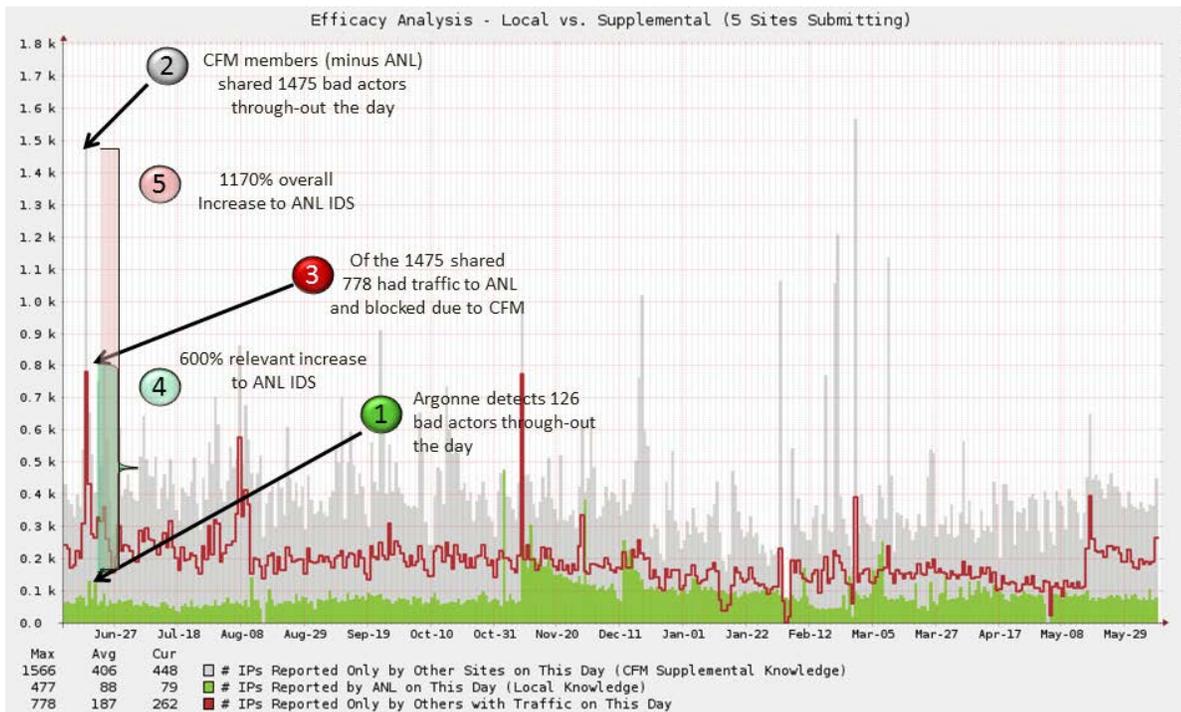
CFM is ready to expand its scope across all of the Department of Energy to help improve incident response and information sharing, specifically through:

- Operating the infrastructure necessary for DOE sites to share in near real-time actionable cyber-security alert information;
- Supporting data mining and analysis efforts with CPP, DOE-CIRC, NIARC (and JC3 as it becomes operational); and,
- Providing local site support for automating their “active response” activities (blocking, shunning, black holing, etc.).

**Pricing Policy**

CyberOne charges programs a pro rata allocation of costs based on percentage share of three prior fiscal years’ combined budget shares, using the Congressional request of the most recent year. These estimates reflect the three years (FY 2011-13) in the Department’s FY 2013 Request to Congress.

These activities were proposed in FY 2013 request, but delayed due to the continuing resolution.



**Procurement Management**

**Description**

The Audit Services, Contract Closeout, and Purchase Card Surveillance business segments work together to help validate compliance with contracting procedures and improve the internal controls of the Department and respond to specific issues raised by the Inspector

General. Ultimately, they result in savings to programs by preventing fraud, waste, and abuse.

**The Audit Services** segment of the business actually represents funding to various federal audit agencies,

**Departmental Administration/  
Working Capital Fund**

WCF-9

**FY 2014 Congressional Budget Request**

however, the majority of the funding is provided to The Defense Contract Audit Agency (DCAA). DCAA and Department of Health and Human Services (HHS) provide audit services to the Department's Program Offices and Contracting Officers in support of their acquisition activities. These services benefit the contracting officers in supporting their determination for reasonableness and realism of the contractor's proposed rates.

**The Contract Closeout** segment of the business is the final stage in contract administration support for DOE Headquarters elements. Services include ensuring that all contracted products and services have been delivered, final releases are obtained, final invoices and vouchers are processed for payment, and any remaining unexpended funds under the contract are released. Since FY 1996, the universe of contract instruments ready for closeout has been reduced from nearly 3,000 to approximately 1,000 instruments. Over \$128 million has been deobligated from expired contracts in the 13 years this activity has been operating as a Fund business. As a result of the American Recovery and Reinvestment Act of 2009, it is anticipated that there will be a substantial increase in the number of financial assistance awards that will require closeout.

**The Purchase Card Data Mining** segment monitors purchase card usage by both Federal and contractor employees. DOE purchase cards are issued under a task order with JP Morgan Chase Bank through the SmartPay2 program administered by the General Services Administration. Funding for this effort is derived from rebates DOE elements receive from JP Morgan Chase Bank, based upon the dollar volume of purchases. JP Morgan Chase Bank will provide a version of the data mining system, entitled IntelliLink, to DOE at no cost for the basic version. This business unit will detect patterns, trends, and/or anomalies for use in risk management, spend patterns, and other areas of analysis. If necessary, DOE will incur costs to enhance IntelliLink where it does not fully meet DOE's requirements.

#### **Pricing Policy**

Each Headquarters element pays the actual contract closeout cost, determined by the unit price of each contract type and negotiated level of service. Purchase Card Data Mining costs are allocated based on the distribution of refunds resulting from the DOE purchase card program. DCAA audits are charged to programs based on actual usage from the previous fiscal year. Traditionally, these expenses have been funded with program funding and the WCF proposes using this same funding for WCF billing.

The budget increase from FY 2012 Current is related to full cost pricing policies for FY 2013 is \$0.9 million. DCAA Audits increase by \$4.9 million due to the surge in Recovery Act and other Audits.

### **Corporate Training Services**

#### **Description**

The Corporate Training Services Business-line combines Training Delivery and Services (TDS) and the Online Learning Center (OLC) business segments, to deliver courses which support the Department's mission programs. The benefits to the DOE include: DOE specific courses, competitive pricing, and fee for service pricing.

**The Energy Online Learning Center (OLC)** is a web-based commercial off-the-shelf (COTS) training system that provides access to online learning and training. The goal of this business segment is to use technology to deliver learning activities to the desktop wherever such delivery can be demonstrated to improve learning outcomes and reduce costs independently or in combination with other training methods. The overall vision of the OLC program is to provide the capability for all DOE Federal employees to have access to web-based training via the desktop.

**Departmental Administration/  
Working Capital Fund**

The OLC has been structured to meet DOE needs with a customized access process and DOE specific information.

**The Training Delivery and Services (TDS)** include: the design, development, and delivery of competency-based courses to meet critical skills development needs in Project Management, Program Management, and Acquisition and Assistance Management.

A series of Continuing Education courses has been added to present new topics and refresher training. Program offerings include modular course design, and customized just-in-time training for on-site and centralized delivery. The TDS Program has a 20-year track record of providing professional training and training services throughout the DOE complex. The training management services are offered to customers on a negotiated basis only.

Beginning FY 2014, the department proposes adding the Senior Executive Service Candidate Development Program (SES CDP) and DOE participation at the National Defense University (National War College) for Energy Master/Certificate Programs.

The SES CDP program is designed to develop a cadre of future executives prepared to take on the leadership and mission challenges of the department. Each 2-year class has a relatively small number of participants (approximately 20), and is open to executives at other Federal agencies. The department has an existing Interagency Agreement with OPM to provide some services; while other specialized services are provided by select vendors. This budget also includes cost of participant resource materials, travel and rotational assignments/projects. Using the WCF will allow DOE to account for the full cost of these services.

### **Pricing Policy**

Participating DOE organizations pay for OLC access through a fixed annual fee per student and allocation of administrative costs, based on number of employees per program.

Participating DOE organizations in the TDS pay \$200/day for each employee enrolled in professional skills training course.

Participation in the National War College is financed by the benefitting program. The SES CDP is financed by a pro rata share of federal employees for each DOE program.

The FY 2014 budget increases over FY 2012 Current by \$2.2 million due to new programs for Online learning (\$1.0 million), NDU (\$0.1 million), SES CDP (\$0.9 million), and other (\$0.1 million) proposed in FY 2013 but deferred due to the continuing resolution..

## **Health Services**

The Health Services Business provides common administrative services to the DOE headquarters community. These services include: the headquarters health center, the drug testing program, employee assistance, and disability services. The Department believes cost reductions will result from consolidating these activities under one enterprise with a focus on program demand for these services.

### **Description**

**The Health Center** consists of two health centers: one at Forrestal and one at the Germantown facility. Services provided include: emergency response; travel immunizations; fitness-for-duty and pre-employment physical exams; annual influenza vaccinations and general occupational health concerns. The health center is operated under an Interagency Agreement with Department of Health & Human Services, Federal Occupational Health (HHS/FOH) to provide packaged services; reduces costs and saves DOE resources.

**Drug Testing Program**, a DOE-wide program, provides for collection, testing and medical review of alcohol and drug testing. This activity supports testing of DOE positions for fitness-for-duty, pre-employment, and random drug testing and positions which require a clearance - including security, technical and/or executive positions. The department has an existing Interagency Agreement with Department of Interior (DOI) to utilize

their contracts; this reduces costs and saves DOE resources.

The **Employee Assistance Program** finances an Employee Assistance Program (EAP) at both Headquarter facilities (primarily at Forrestal). Professional EAP counselors offer assistance to DOE Federal employees as requested regarding family, work, health and other concerns. Services are provided by a combination of federal employees and contract specialists.

**Disability Services** coordinates contract vendors to provide sign language interpreting services for deaf and hard-of-hearing Federal employees at Headquarters.

### **Pricing Policy**

Charges for health services are allocated to each program on the basis of their headquarters employment levels at the beginning of the current fiscal year.

FY 2013 request was the first year that these activities would be financed in the WCF. These increases were deferred until the FY 2014 request due to the continuing resolution. The budget for the first year is based on each program's headquarters population. Many of these services were previously financed in corporate appropriations in the Departmental Appropriation. However, because they benefit a broad range of program interests, they are eligible to be financed in the WCF. We believe that consolidating these activities into one enterprise will result in

efficiencies and future cost savings. The Department reduced the funding target from the service provider

organization and moved these activities to the WCF.

### **Project Management Career Development Program**

#### **Description**

The Project Management Career Development Program (PMCDP) provides a wide range of developmental, mentoring, training, and rotational activities which lead to project management certification. Project management certification under the program is based upon the requirements for training, developmental activities, and experience outlined in the certification standard contained in DOE Order 361.1B, Chapter IV, and meets the certification requirements of the Federal Acquisition Certification for Program and Project Managers defined in OMB Circular A-11, Part 7. The Project Management Career Development Program defines necessary DOE project management knowledge, skills and abilities, as well as DOE training course requirements. Components of PMCDP also include a DOE career development tracking system and a DOE project management certification program.

#### **Pricing Policy**

In FY 2014, the business-line will continue to assess programs based on the number of projects, the amount

of projects in the portfolio, and the number of incumbent project directors or potential project directors identified by the programs. Fixed costs related to the PMCDP will be charged to programs based on their pro-rata share of the number of projects and the value of those projects in the Project Accounting and Reporting System (PARS II). The variable costs of delivering courses will be charged to programs based on their pro-rata share of targeted participants based on program PMCDP Profile.

In addition, we expect some programs outside of the assessment pool to desire participation in the training offered. In those cases, the business will allocate a certain number of slots, on a space-available basis, at the rate of \$200/day. These charges will offset other development costs and future charges to the programs.

Current FY 2012 experienced delays in training schedules which depressed spending. We expect FY 2014 to have a complete schedule of project management classes.

### **iManage**

iManage is the Department's solution for managing enterprise-wide systems and data. iManage is consolidating and streamlining Department-wide systems and business processes to integrate financial, budgetary, procurement, personnel, program and performance information. iManage is supported at the core by a central data warehouse/portal that links common data elements from each of the Department's business systems and supports both external and internal reporting.

Consolidation of Payroll and CHRIS businesses into iManage was approved on June 3, 2008. Consolidation provides efficiencies in its administration and result in a single senior business manager. This merger was first budgeted in the iManage budget for FY 2013. Therefore, the FY 2014 program direction estimates for iManage include costs for Payroll and CHRIS.

#### **Description**

The **Standard Accounting and Reporting System (STARS)** provides the Department with a modern, comprehensive, and responsive financial management

system that records and processes accounting transactions for general accounting, payments, receivables, purchasing including obligations and reservations, accruals, plant and capital equipment, nuclear materials accounting and many other functions. STARS is also used for financial reporting including FACTS I & II, SF 220.9, SF 224, and the Department's financial statements. STARS replaced both the Departmental Integrated Standard Cost Accounting System and Management Accounting Reporting System. Costs include all operations and maintenance support, including the Chief Information Officer's Application Hosting and annual Oracle Software licensing.

The **Strategic Integrated Procurement Enterprise System (STRIPES)** replaced and consolidated federal corporate, regional and local procurement-related systems across the Department. STRIPES automates all procurement and contract activities required or directly associated with planning, awarding, and administering various unclassified acquisition and financial assistance instruments; thereby, increasing the internal efficiency of the Department. STRIPES is also fully integrated with

STARS creating efficiency between the two systems and improving the accuracy and timeliness of funding commitments and obligations. Costs include all operations and maintenance support, including the Chief Information Officer's Application Hosting and the annual Compusearch PRISM subscription fees.

**iBudget:** A budget formulation solution that will support the collection and management of the budget formulation data for the OMB and Congressional budget submissions and provide a capability to automate the budget publication. Costs will include the operations and maintenance support provided by Treasury. Short and long-term enhancements are also being considered for the funds distribution process, currently supported by the Funds Distribution System (FDS) and the field budget systems (BEARS/FCDS). Operations and maintenance support may be added into the WCF in FY 2014.

**iPortal/Data Warehouse:** The iPortal, is the iManage face to its customers. It will provide the gateway into all iManage applications and services. The Data Warehouse (IDW) provides capability to integrate and store data from various corporate and/or program systems for reporting using Business Intelligence reporting tools. The iPortal/IDW has the potential to be the Department's authoritative source for all corporate business information, as demonstrated by its use for the American Recovery and Reinvestment Act (ARRA) data collections and internal/external reporting. The iManage iPortal/IDW provides many services that "Connect our People", "Simplify our Work", and "Liberate our Data". Costs will include the operations and maintenance of the technical infrastructure consisting mostly of Application Hosting and annual software licensing fees.

**The Oak Ridge Financial Service Center (ORFSC)** completes over 120,000 payments annually and payment services are provided for all DOE programs, which includes, but is not limited to NNSA, EM, FE, SC and EE.

#### **Corporate Human Resource Information System**

**(CHRIS):** In FY 2014 the Department proposes to add Jobs One-Portal (J1P), recruitment using social media, and specific recruiting efforts to reach veterans and disabled veterans. In addition, costs for inter-agency contributions for electronic benefits will be financed in the WCF.

**Digital Media:** Digital Media will rationalize hundreds of websites and streamline web operations, reduce duplicative spending and improve overall digital communications. Costs will include the operations and maintenance of the technical infrastructure consisting mostly of Application Hosting, iterative development and platform upgrades to meet ongoing scale and usage demands.

#### **Pricing Policy**

iManage activities charge programs a pro-rata allocation of costs based on percentage share of three prior fiscal years' combined budget shares, using the Congressional request of the most recent year. These estimates reflect the three years (FY 2011-13) in the Department's FY 2013 Request to Congress. Exceptions to this pricing policy include: STRIPES charges based on the actual number of system users recorded during the prior fiscal year. The ORFSC charges programs based on a pro-rata share of invoices processed at the center. CHRIS and Payroll charges programs based on federal employment. Transit Subsidy and Flexible Savings Accounts are charged to programs based on actual usage.

Increases to the iManage business line are related to digital media (\$2.6 million), STARS software upgrade (\$1.95 million), STRIPES software upgrade (\$5.4 million), CHRIS software upgrade (\$1.7 million), adding Oak Ridge payment software costs (\$0.8 million), Payroll (\$0.5 million), transit subsidy (\$1.2 million), and full cost estimates (\$1.6 million).

## Financial Reporting Control Assessment

### Background

The Federal Managers' Financial Integrity Act (FMFIA) and OMB Circular A-123, *Management's Responsibility for Internal Control*, define management's responsibility for internal control and include guidance for management to assess the effectiveness of internal control. The Department also determined that its pension liabilities have the potential to create risks of a magnitude that could affect its financial reporting. For this reason, pension studies were added in FY 2013 to this business to ensure that pension liabilities impacts to out-year budgets are properly managed. In FY 2014 Pension studies are justified as a stand-alone business.

### Description

**Financial Reporting Control Assessment** will ensure the Department meets the intent of the Congress and the Executive Branch for internal control of financial reporting and has appropriate support for the Secretary's annual assurance statement, included as part of the Performance and Accountability Report. Because the requirements of OMB A-123 apply to the agency as a whole, each benefiting program must share the cost.

In order to support these goals, the business will develop, provide, and maintain the capabilities needed to implement a comprehensive Department-wide evaluation of internal controls over financial reporting. The resources and knowledge to conduct such an evaluation are currently not fully available in-house. Furthermore, the Department's internal controls over financial reporting may ultimately be audited and a Certified Public Accountant (CPA) perspective, as well as the resources to complete the work, may be necessary.

**Pension Studies** require access to actuarial expertise that is essential to understanding the implications on federal budgets of potential pension liabilities. Factors that impact pensions are dynamic and include: volatility of contributions, inflation, provisions in benefit plans, workforce restructuring, and pension legislation. These studies support the Department's budget projections, financial statements analysis, Office of General Counsel, and pension management plan.

Under the terms of the contracts that the Department has with each of its management and operations contracts, the Department reimburses the contractors for reasonable costs associated with fulfilling their duties

under the terms of the contract. These reasonable costs include the costs associated with providing benefits to the contractors' employees. In recent years, these contractor benefit costs have been steadily increasing, putting pressure on the Department to complete its mission work. Beginning in 2009, the Department increased its oversight of these benefits and began annual reporting on the expected reimbursements for pension plans in the fiscal year 2012 budget. DOE also plans to report on expected reimbursements for other postretirement benefits (primarily medical).

A key goal of this oversight is to improve transparency among the contractors with respect to the benefits being provided to the contractors' employees, as well as the associated per employee per year cost. The collection and analysis of this data requires a great deal of man power including the use of external actuarial services. However, publicizing the results of the survey has exerted pressure on the contractors to address the costs associated with their benefit plans. In addition, the Department has relied on external actuarial services to assist us in the analysis of the information provided during the annual pension management review process, as well as in analyzing the impact of various proposals for cost reduction in the benefits provided by the different contractors. Given that there are approximately 50 pension plans and a similar number of postretirement benefit plans, analysis across the entire complex requires a significant amount of resources.

### Pricing Policy

**The Financial Reporting Control Assessment** segment of the business-line charges customers a pro rata allocation of costs based on percentage share of three prior fiscal years' combined budget shares, using the Congressional request of the most recent year. These estimates reflect the three years (FY 2011-13) in the Department's FY 2013 Request to Congress. Departmental programs that use proprietary financial systems, for example, Federal Energy Regulatory Commission and the Power Marketing Administrations will be excluded from billing for this business. Pension studies costs will be assigned to the program offices that utilize the department's management and operations contractors on a pro rata distribution of pension liabilities.

FY 2012 Current experienced a one-time cost savings.

## Pension Studies

In FY 2013, these studies were part of the Financial Reporting Control Assessment budget. The department created this new business entity to differentiate between these two activities and to create greater transparency for the programs that benefit from pension studies.

### Description

Pension studies provide program offices with an independent measure of contractor benefits and compare each contractor to both an internal and external benchmark. Program offices use the results of these studies in discussions with contractors regarding the need for further efforts in reducing costs associated with contractor employee benefits. Results can be measured by the changes made to contractor employee benefit plans.

**Pension Studies** require access to actuarial expertise that is essential to understanding the implications on federal budgets of potential pension liabilities. Factors that impact pensions are dynamic and include: volatility of contributions, inflation, provisions in benefit plans, workforce restructuring, and pension legislation. These studies support the Department's budget projections, financial statements analysis, Office of General Counsel, and pension management plan.

Under the terms of the contracts that the Department has with each of its management and operations contracts, the Department reimburses the contractors for reasonable costs associated with fulfilling their duties under the terms of the contract. These reasonable costs include the costs associated with providing benefits to the contractors' employees. In recent years, these contractor benefit costs have been steadily increasing, putting pressure on the Department to complete its

mission work. Beginning in 2009, the Department increased its oversight of these benefits and began annual reporting on the expected reimbursements for pension plans in the fiscal year 2012 budget. DOE also plans to report on expected reimbursements for other postretirement benefits (primarily medical).

A key goal of this oversight is to improve transparency among the contractors with respect to the benefits being provided to the contractors' employees, as well as the associated per employee per year cost. The collection and analysis of this data requires a great deal of manpower including the use of external actuarial services. However, publicizing the results of the survey has exerted pressure on the contractors to address the costs associated with their benefit plans. In addition, the Department has relied on external actuarial services to assist us in the analysis of the information provided during the annual pension management review process, as well as in analyzing the impact of various proposals for cost reduction in the benefits provided by the different contractors. Given that there are approximately 50 pension plans and a similar number of postretirement benefit plans, analysis across the entire complex requires a significant amount of resources.

### Pricing Policy

Programs will be billed \$720,000 each year based on each program's sites' ratio of the total pension and post-retirement reimbursements reported in the April Report to Congress for the prior fiscal year.

The FY 2013 budget for pension studies is \$1.3 million and part of the Financial Reporting Control Assessment budget above. The FY 2014 budget is \$0.7 million. The reduction is due to refined program requirements.

## Financial Statement Audit

### Description

Support services relating to the audit contract are required to attain contractor expertise, needed primarily for financial statement audits required by the Government Management Reform Act (GMRA) (e.g., actuaries, petroleum engineers, and information technology support personnel). Due to the complex-wide and broad budget overview of these financial statement audits, mission programs will have the option of using program funds to finance this activity.

### Pricing Policy (estimate)

The business-line charges customers a pro rata allocation of costs based on percentage share of three prior fiscal

years' combined budget shares, using the Congressional request of the most recent year. These estimates reflect the three years (FY 2011-13) in the Department's FY 2013 Request to Congress. Departmental programs that use proprietary financial systems, for example, Federal Energy Regulatory Commission and the Power Marketing Administrations will be excluded from billing for this business.

FY 2012 current experience a one-time cost savings.

## Overseas Presence

### Overview

The Department has a long standing presence in several foreign capitals. This enables the Department to promote American trade and support critical treaties with our allies.

DOE currently funds twenty-one federal employees and twenty-seven locally employed staff in ten countries who support the Secretary and by extension the entire Department. The proposed business will provide a consistent administrative and operational support to departmental personnel when necessary to travel overseas for mission programs.

The budget finances federal salaries and contractor support, overseas operating costs, and International Cooperative Administrative Support Services (ICASS) and

Capital Security Cost Sharing (CSCS) programs. The Department utilizes State Department resources as shared services to ensure that costs are minimized.

### Pricing Policy

Charges for Overseas Presence are based on actual usage of these services by program offices. The annual bill for these charges will cover the fixed cost of the program and be allocated to programs based on the previous year's actual usage.

### Estimates

Initial operations were projected for FY 2013 but delayed due to the continuing resolution

## Interagency Transfers

### Description

Interagency transfers are necessary to finance National Archives storage and management of critical DOE records and the Integrated Acquisition Environment. Lesser activities include eGovernment initiatives, including consolidation studies of lines of businesses and other intergovernmental procurement systems.

**National Archives:** The DOE Records Management Program ensures compliance with the Federal Records Act of 1950, as amended, by promoting the management of records throughout their life cycle in an economical, efficient and effective manner. Inactive records are stored at the National Archives for management by NARA. DOE maintains an annual agreement with NARA

### Departmental Administration/

### Working Capital Fund

on records storage costs and appropriate records management and disposition consistent with approved records schedules.

**Integrated Acquisition Environment (IAE)** provides a secure business environment that facilitates and supports cost effective acquisition of goods and services in support of mission performance. To accomplish this mission, IAE focuses on the following goals:

1. Create a simpler, common integrated business process for buyers and sellers that promotes competition, transparency and integrity;
2. Increase data sharing to enable better business decision in procurement, logistics, payment and performance assessment; and,

3. Take a unified approach to obtaining modern tools to leverage investment costs for business related processes.

The IAE is operated under an Interagency Agreement with GSA to provide packaged services; reduce costs and save DOE resources by leveraging economy of services. GSA is charged with the fiduciary responsibility to work across government to provide acquisition services to support agency missions by delivering timely acquisition tools and services, including but not limited to, the Central Contractor Registration, excluded parties list, electronic subcontracting reporting, federal business opportunities, federal procurement data, wage determinations, and others, as business requirements are identified by the acquisition community.

#### **Pricing Policy**

Charges for IAE are allocated to programs based on the actual procurement obligations by program offices. The annual bill for these charges will cover the fixed costs of the program and be allocated to programs based on the previous year's actual usage. National Archives and other transfers will be charged to programs on a pro rata allocation of costs based on percentage share of three prior fiscal years' combined budget shares, using the Congressional request of the most recent year. These estimates reflect the three years (FY 2011-13) in the Department's FY 2013 Request to Congress.

Initial operations were projected for FY 2013 but delayed due to the continuing resolution.

## Research and Development

The Department of Energy supports research and development (R&D) activities and facilities to ensure that the U.S. remains at the leading edge of discovery and to provide the science and technology to fuel innovation and long-term economic growth. The vast scope of the R&D activities encompasses high priority areas such as advanced manufacturing, clean energy, climate research, and Earth observing systems; and the operation of a large suite of scientific user facilities in support of the R&D activities. Note: Tables show dollars in millions as shown in the President's Budget Appendix, within the categories of basic and applied research, and development for R&D; and additional columns for Equipment and Construction needed for the R&D work.

(dollars in millions)

<b>FY 2012 Current</b>	<b>Basic</b>	<b>Applied</b>	<b>Dev.</b>	<b>Subtotal R&amp;D</b>	<b>Equip.</b>	<b>Const.</b>	<b>Total</b>
Bonneville Power Administration Fund	9	5	1	<b>15</b>	0	0	<b>15</b>
Science	3,839	0	0	<b>3,839</b>	342	282	<b>4,463</b>
Electricity Delivery and Energy Reliability	6	57	35	<b>98</b>	0	0	<b>98</b>
Energy Efficiency and Renewable Energy	0	441	545	<b>986</b>	17	0	<b>1,003</b>
Energy Security Trust	0	0	0	<b>0</b>	0	0	<b>0</b>
Fossil Energy R&D	2	83	104	<b>189</b>	17	0	<b>206</b>
Nuclear Energy	0	484	30	<b>514</b>	0	0	<b>514</b>
ARPA-E	0	178	77	<b>255</b>	0	0	<b>255</b>
Naval Reactors	0	0	975	<b>975</b>	25	40	<b>1,040</b>
Defense Environmental Cleanup	0	7	14	<b>21</b>	0	0	<b>21</b>
Other Defense Activities	0	0	2	<b>2</b>	0	0	<b>2</b>
Defense Nuclear Nonproliferation	52	235	38	<b>325</b>	0	0	<b>325</b>
Weapons Activities	4	2,094	625	<b>2,723</b>	107	39	<b>2,869</b>
<b>Total FY 2012</b>	<b>3,912</b>	<b>3,584</b>	<b>2,446</b>	<b>9,942</b>	<b>508</b>	<b>361</b>	<b>10,811</b>

<b>FY 2014 Congressional Request</b>	<b>Basic</b>	<b>Applied</b>	<b>Dev.</b>	<b>Subtotal R&amp;D</b>	<b>Equip.</b>	<b>Const.</b>	<b>Total</b>
Bonneville Power Administration Fund	10	5	1	<b>16</b>	0	0	<b>16</b>
Science	4,053	0	0	<b>4,053</b>	408	283	<b>4,744</b>
Electricity Delivery and Energy Reliability	5	55	40	<b>100</b>	0	0	<b>100</b>
Energy Efficiency and Renewable Energy	0	710	993	<b>1,703</b>	12	0	<b>1,715</b>
Energy Security Trust	0	60	140	<b>200</b>	0	0	<b>200</b>
Fossil Energy R&D	3	99	165	<b>267</b>	13	0	<b>280</b>
Nuclear Energy	0	442	9	<b>451</b>	0	0	<b>451</b>
ARPA-E	0	283	62	<b>345</b>	0	0	<b>345</b>
Naval Reactors	0	0	1,105	<b>1,105</b>	28	70	<b>1,203</b>
Defense Environmental Cleanup	0	7	17	<b>24</b>	0	0	<b>24</b>
Other Defense Activities	0	0	2	<b>2</b>	0	0	<b>2</b>
Defense Nuclear Nonproliferation	58	254	43	<b>355</b>	0	0	<b>355</b>
Weapons Activities	0	2,490	761	<b>3,251</b>	41	12	<b>3,304</b>
<b>Total FY 2014</b>	<b>4,129</b>	<b>4,405</b>	<b>3,338</b>	<b>11,872</b>	<b>502</b>	<b>365</b>	<b>12,739</b>

# **Safeguards and Security Crosscut**

# **Safeguards and Security Crosscut**

## Safeguards and Security Crosscut

### Program Mission

The Safeguards and Security (S&S) program at headquarters and each DOE field site protects against theft, diversion, sabotage, espionage, unauthorized access, compromise, and other hostile acts which may cause damage to national security, program continuity, the health and safety of employees, the public or the environment. The ‘crosscut’ summarizes the S&S programs that are distributed through the budget volumes. Each program’s S&S components are described in the budget justifications for:

- National Nuclear Security Administration (NNSA)
- Environmental Management (EM)
- Health, Safety and Security (HSS)
- Specialized Security Activities
- Chief Information Officer (CIO)
- Science (SC)
- Nuclear Energy (NE)
- Energy Efficiency and Renewable Energy (EE)
- Fossil Energy (FE)
- Legacy Management (LM)

### Program Overview

The budget for the direct funded S&S programs is organized to ensure consistency in program and budget execution and ensure management, direction, tracking and monitoring of security costs throughout the Department. Each program budget provides visibility for S&S issues in order to help management prioritize functions for effective and efficient S&S program implementation. Figure 1 shows comparable overall funding for S&S in FY 2012 and FY 2014. The S&S crosscut budget is comprised of the functional components shown in the following table.

Figure 1: S&S Funding (dollars in millions)



Table 1: Functional Components of S&S

<b>Protective Forces</b>	Provides for the protection of special nuclear materials, information, employees, and government property from theft, diversion, sabotage, and malicious destruction.
<b>Physical Security Systems</b>	Addresses access control and interior/exterior intrusion detection systems.
<b>Information Security</b>	Ensures that individuals protect classified matter and sensitive unclassified matter, and establishes protection systems that require degrees of protection for each classification level.
<b>Cyber Security</b>	Assures protection of computer resources and networks.
<b>Personnel Security</b>	Supports activities associated with the access authorization program.
<b>Material Control and Accountability</b>	Provides assurance that the nuclear materials used and/or stored at DOE facilities are properly controlled and accounted for at all times.
<b>Program Management</b>	Assures a framework for efficient and effective security operations.
<b>Security Investigations</b>	Provides for background investigations for access authorizations.
<b>Transportation Security</b>	Provides secure transportation of nuclear materials.
<b>Specialized Security Activities</b>	Provides highly specialized analyses in support of national security objectives.

Table 2 (following page) shows S&S funding by program and functional cost elements. Subsequent sections break out each functional element of field security by component program.

<b>Table 2: S&amp;S Funding by Program and Functional Cost Element</b>		(dollars in thousands)		
	FY 2012	FY 2014	\$ Change	% Change
<b>Safeguards and Security (S&amp;S) by Program</b>				
Field Security				
Science	85,706	91,388	5,682	6.6%
National Nuclear Security Administration	1,090,007	1,045,550	-44,457	-4.1%
Environmental Management	250,968	234,079	-16,889	-6.7%
Nuclear Energy	93,350	94,000	650	0.7%
Energy Efficiency and Renewable Energy	8,407	8,612	205	2.4%
Fossil Energy	29,337	28,985	-352	-1.2%
Legacy Management	1,471	1,456	-15	-1.0%
<b>Subtotal, Field Security</b>	<b>1,559,246</b>	<b>1,504,070</b>	<b>-55,176</b>	<b>-3.6%</b>
Headquarters Safeguards and Security				
Health, Safety and Security	76,679	70,309	-6,370	-8.3%
Specialized Security Activities	186,699	196,322	9,623	5.2%
Chief Information Officer (Cyber Security)	21,686	30,795	9,109	42.0%
Working Capital Fund (CyberOne)	0	40,000	40,000	N/A
<b>Subtotal, Headquarters Security</b>	<b>285,064</b>	<b>337,426</b>	<b>52,362</b>	<b>18.4%</b>
<b>Total, Safeguards and Security</b>	<b>1,844,310</b>	<b>1,841,496</b>	<b>-2,814</b>	<b>-0.2%</b>
<b>S&amp;S by Element of Functional Cost</b>				
Field Security				
Protective Forces	687,328	666,514	-20,814	-3.0%
Physical Security Systems	134,583	139,744	5,161	3.8%
Information Security	44,608	50,222	5,614	12.6%
Cyber Security	171,355	160,031	-11,324	-6.6%
Personnel Security	55,467	53,551	-1,916	-3.5%
Material Control and Accountability	47,659	41,764	-5,895	-12.4%
Program Management	123,067	122,449	-618	-0.5%
Security Investigations	39,243	36,260	-2,983	-7.6%
Transportation Security	243,403	219,535	-23,868	-9.8%
Construction (NNSA)	11,752	14,000	2,248	19.1%
Construction (FE)	781	0	-781	-100.0%
<b>Subtotal, Field S&amp;S</b>	<b>1,559,246</b>	<b>1,504,070</b>	<b>-55,176</b>	<b>-3.5%</b>
Headquarters Safeguards and Security				
Health, Safety and Security	76,679	70,309	-6,370	-8.3%
Specialized Security Activities	186,699	196,322	9,623	5.2%
Chief Information Officer (Cyber Security)	21,686	30,795	9,109	42.0%
Working Capital Fund (CyberOne)	0	40,000	40,000	N/A
<b>Subtotal, Headquarters</b>	<b>285,064</b>	<b>337,426</b>	<b>52,362</b>	<b>18.4%</b>
<b>Total Safeguards and Security</b>	<b>1,844,310</b>	<b>1,841,496</b>	<b>-2,814</b>	<b>-0.2%</b>

Note: The amounts in the above table do not include the Work for Others (WFO) reimbursable portions of S&S costs.

## Protective Forces

### Funding Schedule

	(dollars in thousands)			
	FY 2012	FY 2014	\$ Change	% Change
Protective Forces				
Science	35,370	38,141	2,771	7.8%
National Nuclear Security Administration	415,158	398,931	-16,227	-3.9%
Environmental Management	158,562	149,686	-8,876	-5.6%
Nuclear Energy	51,484	53,277	1,793	3.5%
Energy Efficiency and Renewable Energy	5,130	5,130	0	0.0%
Fossil Energy	21,156	20,764	-392	-1.9%
Legacy Management	468	585	117	25.0%
<b>Total, Protective Forces</b>	<b>687,328</b>	<b>666,514</b>	<b>-20,814</b>	<b>-3.0%</b>

### **Mission**

The Protective Forces element of field S&S provides funding 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.

Protective Force programs throughout the complex provide for personnel salaries, wages and benefits for personnel; management and supervision; and 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 include 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.

**Physical Security Systems**

**Funding Schedule**

	(dollars in thousands)			
	FY 2012	FY 2014	\$ Change	% Change
Physical Security Systems				
Science	10,902	13,319	2,417	22.2%
National Nuclear Security Administration	82,783	85,934	3,151	3.8%
Environmental Management	25,631	28,807	3,176	12.4%
Nuclear Energy	14,208	10,434	-3,774	-26.6%
Energy Efficiency and Renewable Energy	0	0	0	
Fossil Energy	968	1127	159	16.4%
Legacy Management	91	123	32	35.2%
<b>Total, Physical Security Systems</b>	<b>134,583</b>	<b>139,744</b>	<b>5,161</b>	<b>3.8%</b>

\*For NNSA includes Technology Deployment

**Mission**

The Physical Security Systems element of field S&S provides for the physical protection of special nuclear material and 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 are 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 requirements. Physical Security System

programs are also responsible for two subprograms: (1) a barriers, secure storage, and lock program to restrict, limit, delay or deny entry into a designated area; and (2) an entry control and access program that provides positive identification of personnel requiring access to facilities and initial access to facilities in general, ensuring that persons entering or leaving facilities are authorized, and do not introduce prohibited articles into or remove Government property from Departmental facilities.

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

## Information Security

### Funding Schedule

	(dollars in thousands)			
	FY 2012	FY 2014	\$ Change	% Change
Information Security				
Science	5,118	4,164	-954	-18.6%
National Nuclear Security Administration	30,117	37,536	7,419	24.6%
Environmental Management	6,968	4,843	-2,125	-30.5%
Nuclear Energy	1,966	3,181	1,215	61.8%
Energy Efficiency and Renewable Energy	105	105	0	0.0%
Fossil Energy	304	387	83	27.3%
Legacy Management	30	6	-24	-80.0%
Total, Information Security	44,608	50,222	5,614	12.6%

#### **Mission**

The Information Security element of field S&S ensures 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 of classified material.

## Cyber Security

### Funding Schedule

	(dollars in thousands)			
	FY 2012	FY 2014	\$ Change	% Change
Cyber Security				
Science	15,536	17,599	2,063	13.3%
National Nuclear Security Administration	131,370	119,441	-11,929	-9.1%
Environmental Management	8,028	6,022	-2,006	-25.0%
Nuclear Energy	10,714	10,990	276	2.6%
Energy Efficiency and Renewable Energy	1,985	2,190	205	10.3%
Fossil Energy	3,152	3,119	-33	-1.0%
Legacy Management	570	670	100	17.5%
<b>Total, Cyber Security</b>	<b>171,355</b>	<b>160,031</b>	<b>-11,324</b>	<b>-7%</b>

#### **Mission**

The Cyber Security element of field S&S ensures 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), investigations and studies of compromising emanations (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 and awareness.

The amounts given here are program funds and do not include amounts in Program Direction accounts for Federal staff assigned to Cyber Security work within the program offices. Nor do they include security elements that are within software applications developed for the Department's programmatic or administrative purposes; whether directly or indirectly funded.

**Headquarters Cyber Security:** The Office of the Chief Information Officer also funds Cyber Security [FY12, \$21.7 million; FY14 \$30.8 million] and program offices fund Cyber Security through the mechanism of the Working Capital Fund for the Department-wide CyberOne effort managed within the OCIO. Up to an additional \$40 million will be funded through the WCF and managed by the OCIO.

**Personnel Security**

**Funding Schedule**

	(dollars in thousands)			
	FY 2012	FY 2014	\$ Change	%
Personnel Security				
Science	5,108	5,143	35	0.7%
National Nuclear Security Administration	37,285	34,810	-2,475	-6.6%
Environmental Management	8,758	7,228	-1,530	-17.5%
Nuclear Energy	3,417	4,934	1,517	44.4%
Energy Efficiency and Renewable Energy	697	697	0	0.0%
Fossil Energy	172	699	527	306.4%
Legacy Management	30	40	10	33.3%
<b>Total, Personnel Security</b>	<b>55,467</b>	<b>53,551</b>	<b>-1,916</b>	<b>-3%</b>

**Mission**

The Personnel Security element of field S&S supports the access authorization program, 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) activities associated with classified and unclassified visits and assignments by foreign nationals.

**Material Control and Accountability**

**Funding Schedule**

	(dollars in thousands)		\$ Change	% Change
	FY 2012	FY 2014		
Material Control and Accountability				
Science	2,121	2,397	276	13.0%
National Nuclear Security Administration	34,592	29,962	-4,630	-13.4%
Environmental Management	6,850	5,275	-1,575	-23.0%
Nuclear Energy	4,096	4,130	34	0.8%
Energy Efficiency and Renewable Energy	0		0	
Fossil Energy	0		0	
Legacy Management	0		0	
<b>Total, Material Control and Accountability</b>	<b>47,659</b>	<b>41,764</b>	<b>-5,895</b>	<b>-12%</b>

**Mission**

The Material Control and Accountability (MC&A) element of field S&S provides assurance that nuclear materials are properly controlled and accounted for at all times. MC&A provides evidence that all nuclear materials are accounted for appropriately and that theft, diversion, or operational loss has not occurred. MC&A also supports weapons production, nuclear nonproliferation, nuclear materials operations, facility closure, and nuclear critical safety by determining and documenting the amounts of nuclear materials in weapons and packaged items. MC&A administration includes the following: (1) assessing the levels of protection, control and accounting

required for the types and quantities of materials at each facility; (2) documenting facility plans for nuclear materials control and accounting; (3) assigning authorities and responsibilities for MC&A functions; (4) ensuring that facility MC&A personnel are trained and qualified to perform their responsibilities; (5) establishing programs to report occurrences such as nuclear material theft, the loss of control or inability to account for nuclear materials, or evidence of malevolent acts; (6) conducting performance testing of required program elements; and (7) establishing facility programs to conduct and document internal assessments of their operations and MC&A programs.

## Program Management

### Funding Schedule

	(dollars in thousands)			
	FY 2012	FY 2014	\$ Change	% Change
Program Management				
Science	6,418	6,237	-181	-2.8%
National Nuclear Security Administration	75,595	77,808	2,213	2.9%
Environmental Management	32,447	30,413	-2,034	-6.3%
Nuclear Energy	5,765	5,354	-411	-7.1%
Energy Efficiency and Renewable Energy	490	490	0	0.0%
Fossil Energy	2,070	2,115	45	2.2%
Legacy Management	282	32	-250	-88.7%
<b>Total, Program Management</b>	<b>123,067</b>	<b>122,449</b>	<b>-618</b>	<b>-1%</b>

### **Mission**

The Program Management element of field S&S develops the 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 requirements, professional and

technical training is administered, and Departmental S&S goals and objectives 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 in security matters.

## Security Investigations

### Funding Schedule

	(dollars in thousands)		\$ Change	% Change
	FY 2012	FY 2014		
Security Investigations				
Science	5,133	4,388	-745	-14.5%
National Nuclear Security Administration	28,239	27,938	-301	-1.1%
Environmental Management	3,437	1,460	-1,977	-57.5%
Nuclear Energy	1,700	1,700	0	0.0%
Energy Efficiency and Renewable Energy	0	0	0	N/A
Fossil Energy	734	774	40	5.4%
Legacy Management	0	0	0	N/A
<b>Total, Security Investigations</b>	<b>39,243</b>	<b>36,260</b>	<b>-2,983</b>	<b>-8%</b>

### Mission

The Security Investigations element of field S&S funds background investigations associated with providing access authorizations (security clearances) 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, Access to Classified Information. The investigations are performed and access authorizations granted based on 10 C.F.R. 710, Criteria and Procedures for Determining Eligibility for Access to Classified Matter or Special Nuclear Material.

The Federal Bureau of Investigation conducts background investigations for DOE Federal personnel for positions of a high degree of importance or sensitivity as required by DOE Order 470.4, Safeguards and Security Program. Funding provides for initial background investigations, periodic reinvestigations, and reimbursement for fingerprint and name checks. The Office of Personnel Management conducts the majority of background investigations for DOE Federal personnel and contractors. Funding provides for initial Single scope background investigations, periodic reinvestigations, and initial and reinvestigation national agency checks.

## Transportation Security

### Funding Schedule

	(dollars in thousands)			
	FY 2012	FY 2014	\$ Change	% Change
Transportation Security				
National Nuclear Security Administration	226,572	219,190	-7,382	-3.3%
Environmental Management	287	345	58	20.2%
<b>Total, Transportation Security</b>	<b>226,859</b>	<b>219,535</b>	<b>-157</b>	<b>-0.1%</b>

### **Mission**

Transportation security provides for the secure transport of weapons, weapons components, and nuclear materials to support Directed Stockpile Work and consolidation and disposition of nuclear material within the complex; to meet DOE, DOD, and other customer requirements. This functional component of S&S is primarily funded within NNSA's Secure Transportation Asset (STA) Program.

STA provides safe and secure shipments for Defense Programs, Naval Reactors, Defense Nuclear Nonproliferation and Nuclear Counterterrorism Incident Response and other Department elements requiring this

capability. The STA program supports the Departmental initiative to convert weapons-grade material to commercial reactor fuel (MOX) by transporting weapon pits and fuel rods. STA supports other DOE programs including Nuclear Energy and Environmental Management; and others, including the National Aeronautic and Space Administration, and international shipments in cooperation with Canada, The United Kingdom, and France.

## Small Business Innovation Research and Small Business Technology Transfer

The Department of Energy manages two separate Small Business Innovation Research (SBIR) & Small Business Technology Transfer (STTR) programs, one administered by the Office of Science and the other by the Advanced Research Projects Agency – Energy (ARPA-E). The Office of Science has managed the DOE SBIR and STTR programs for the Department since the SBIR program was created in 1982 and the STTR program was created in 1992. The ARPA-E SBIR/STTR programs were created in FY 2012 to manage ARPA-E's SBIR & STTR allocations independently.

The SBIR/STTR Reauthorization Act of 2011 reauthorized the SBIR and STTR programs and provided for annual increases phased in over six years. The Act directs DOE to expend not less than the percentages of nonexempt extramural R&D as tabulated here.

	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
<b>SBIR</b>	2.5%	2.6%	2.7%	2.8%	2.9%	3.0%	3.2%	3.2%
<b>STTR</b>	0.30%	0.35%	0.35%	0.40%	0.40%	0.45%	0.45%	0.45%
<b>Combined</b>	2.80%	2.95%	3.05%	3.20%	3.30%	3.45%	3.65%	3.65%

### DOE SBIR/STTR Programs Office

The SBIR/STTR Programs Office works collaboratively with twelve participating offices to administer the program: six R&D program offices within the Office of Science; the Offices of Electricity Delivery and Energy Reliability, Energy Efficiency and Renewable Energy, Fossil Energy, Nuclear Energy and Environmental Management; and the Office of Defense Nuclear Nonproliferation within the National Nuclear Security Administration. Each office makes awards commensurate with its allocation, and collaborates with other offices as necessary.

The participating programs are responsible for topic selection, reviewer assignment, award selection, and project oversight. The SBIR/STTR Programs Office is responsible for issuing topics and solicitations, managing the review and selection process, working with the Science Office of Acquisition and Assistance to award SBIR/STTR Phase I and Phase II grants, issuing annual reports to the U. S. Small Business Administration, performing outreach, and setting overall policy for the Department regarding the two programs.

Each program office considers its high priority research needs and program mission, as well as the Department's goals for the program in developing research topics. The specific research topics selected for the SBIR and STTR programs are developed by the Department's technical program managers.

### ARPA-E SBIR & STTR Programs

In FY 2012 ARPA-E established an SBIR/STTR program separate from the DOE-wide SBIR/STTR program. The ARPA-E SBIR/STTR program employs the review, contracting, funding, and organizational reforms implemented by ARPA-E; including ARPA-E's online application portal, and ARPA-E eXCHANGE to receive and evaluate proposals. In FY 2014, the ARPA-E SBIR/STTR Program plans to focus on supporting the ongoing missions in areas including transportation systems technologies and transformational stationary energy storage technologies in low-cost, grid-scale storage.

**Small Business Innovation Research and Small Business Technology Transfer**

	(Dollars in Thousands)	
	FY 2012 Current Appropriation	FY 2014 Request
ARPA-E	7,523	11,036
Electricity Delivery and Energy Reliability	2,925	3,661
Energy Efficiency and Renewable Energy	29,090	66,744
Environmental Management	608	771
Fossil Energy	9,628	6,951
Nonproliferation R&D	6,245	7,040
Nuclear Energy	12,849	8,637
Science	114,125	130,046
Total, SBIR/STTR	182,993	234,886



# **Pensions**

# **Pensions**

## Contractor Pensions and Other Postretirement Benefits

This section of the budget provides projected contractor defined-benefit (DB) pension plan contributions and other postretirement benefit reimbursement costs. The DB pension plan contributions are provided for FY 2012 through FY 2014 by plan and by the following Department of Energy (DOE) Program Offices:<sup>1</sup>

- Office of Environmental Management (EM)
- Office of Science (SC)
- Office of Energy Efficiency and Renewable Energy (EERE)
- Office of Nuclear Energy (NE)
- Office of Electricity Delivery and Energy Reliability (OE)
- Office of Fossil Energy (FE)
- Office of Legacy Management (LM)

Projected contractor DB pension plan contributions are provided for FY 2012 through FY 2018 by plan and in aggregate for the:

- **National Nuclear Security Administration (NNSA)**

Information regarding projected reimbursements for other postretirement benefits (primarily medical) can be found in Section II below.

Contractors that manage and operate DOE's laboratories, weapons plants, and execute environmental cleanup projects at various government-owned sites and facilities are required by DOE to assume sponsorship of the existing contractor DB pension plans and other postretirement benefit plans for incumbent employees who work and retire from employment at those sites and facilities. A portion of the DOE's funding is used to reimburse the costs of the DOE contractors' contributions to DB pension plans and the reimbursements for benefits paid from the other postretirement benefit plans, either as part of the indirect costs or as direct obligations for legacy plans.

### Section I - Contractor DB Pension Plan Contributions<sup>2</sup>

DOE reimburses contractors for pension contributions at levels that are at least equal to the minimum required by the Employee Retirement Income Security Act (ERISA). Contracting officers approve of amounts above the minimum required on a case by case basis. The minimum required contribution (MRC) is determined on a plan year basis. All but 2 of the contractor plans have a plan year other than the fiscal year and therefore the majority of fiscal year contributions are spread across 2 plan years. At a minimum, plan sponsors of single or multiple employer plans<sup>3</sup> in which the plan assets were less than liabilities in the prior year must make quarterly contributions during the plan year with the first one due 3½ months after the beginning of the plan year and any outstanding amount due 8 ½ months after the plan year ends.

DOE's reimbursement of contractor costs in excess of the minimum contribution will require approval by the Contracting Officer, as well as Headquarters approval and will include coordination with the Chief Financial Officer and affected Headquarters Program Offices. Table 1 provides the information related to plans where funding in excess of the MRC was approved, and includes the MRC (assuming the legally required payments were made at the specified dates), the contribution approved, and the rationale for approving the higher contribution amount. Please note that the decisions

---

<sup>1</sup> Tables include projected contributions from "Work-for-Others (WFO)" customers and "Other" entities (e.g., DOE departmental administration, classified programs, etc.).

<sup>2</sup> As of September 30, 2012, DOE reimburses contributions for 38 funded pension plans and 13 non-qualified pension plans. Non-qualified plans have no assets and are funded on a pay-as-you-go basis.

<sup>3</sup> A single employer plan is a plan sponsored by only one employer; a multiple employer plan is a plan sponsored by 2 or more unrelated employers and not established by a collective bargaining agreement; a multi-employer plan is a collectively bargained plan between a labor union and a group of employers in a particular trade or industry.

regarding additional contributions to these plans were made prior to the passage of Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP-21) which was passed in June 2012.<sup>4</sup>

**Table 1- FY 2012 Contributions in Excess of the MRC**  
(dollars in thousands)

Name of Plan	FY2012 Minimum Required Contribution	FY12 Total Contribution	Rationale
Pension Plan of the Pacific Northwest National Laboratories, Battelle Memorial Institute	\$31,400	\$66,488	Advance funding in order to smooth future contributions. Amendment resulting in significant reduction in pension benefits is pending. Have included additional amount in indirect rates/ site budgets.
Pension Plan for Eligible Bettis Employees and Retirees	39,300	51,700	Due to revised assumptions resulting from experience study, MRC decreased; however, site budgets were not adjusted accordingly due to operational/programmatic concerns. Partial acceleration of PY2012 contribution. Contribution amounts shown include Department of Defense (DOD) reimbursement.
Salaried Employee Pension Plan for KAPL Employees and Retirees	38,800	51,600	Due to revised assumptions resulting from experience study, MRC decreased; however, site budgets were not adjusted accordingly due to operational/programmatic concerns. Partial acceleration of PY2012 contribution. Contribution amounts shown include DOD reimbursement.
Pension Plan for KAPL Employees in Participating Bargaining Units	8,000	9,500	Due to revised assumptions resulting from experience study, MRC decreased; however, site budgets were not adjusted accordingly due to operational/programmatic concerns. Partial acceleration of PY2012 contribution. Contribution amounts shown include DOD reimbursement.
The Kansas City Division (Honeywell International Inc.) Hourly Employees Pension Plan	3,800	10,000	Have employed level funding policy since 2005 and desire to continue. Have included level amount in indirect rates/ site budget.
Honeywell Retirement Earnings Plan for Aerospace Employees at the Kansas City Division	16,700	30,000	Have employed level funding policy since 2005 and desire to continue. Have included level amount in indirect rates/ site budgets.
LANS Defined Benefit Pension Plan	65,700	119,000	Partial acceleration of PY12 contribution from FY13 to FY12 to smooth future contributions. Amount covered by indirect rate collections and site cost-saving efforts.

<sup>4</sup> Details regarding MAP-21 are provided later in the section. Note that while the MAP-21 provisions reduce the required funding requirements for the next few years, for the most part, the contractors proceeded with the planned contributions because important details regarding the required funding contributions were not published until August.

Name of Plan	FY2012 Minimum Required Contribution	FY12 Total Contribution	Rationale
LLNS Defined Benefit Pension Plan	0	20,000	Almost 50% chance of large contribution in FY 14 that would have adverse impact on program. DOE contribution would be coupled with enactment of employee contributions totaling \$15M-\$20M per year effective 7/1. Amount would be covered by indirect rates/ site budget upon DOE approval.
Sandia Corporation Retirement Income Plan	156,100	175,000	Partial acceleration of PY 12 contribution from FY13 to FY12 to smooth future contributions. Amount included in indirect rates/ site budgets.
Stanford Staff Retirement Annuity Plan	100	1,062	Maintain carryover/prefunding balances to avoid volatility in fringe rates and consequently indirect rates.
UT Battelle Pension Plan for Employees of ORNL	64,200	82,773	Smooths future contributions, maintains 80% funding. Site reduced infrastructure spending and suspended match in 401(k) to pay for it. Also amended plans to require employee contributions and decrease benefits provided to new entrants. Amount included in indirect rates/ site budget.
Wackenhut Services Inc. - Las Vegas Retirement Plan	1,450	1,833	Historical policy has been to contribute greater of Cost Accounting Standard amount and MRC which was approved by contracting officer.
Independent Guard Association of Nevada – Wackenhut Services Inc. Pension Trust Fund	366	1,711	Historical policy has been to contribute greater of CAS and MRC (approved by contracting officer) but no less than amount required by collective bargaining agreement (contractual minimum).
TOTAL	425,916	620,667	

Due to the timing of the required annual valuation for these contractor DB pension plans, the actual amount of the contractors' annual contributions to these DB pension plans that DOE will reimburse each fiscal year will not generally be known until after budget development. The majority of contractor contributions are included in indirect costs.<sup>5</sup> Thus, budgetary line items that include DOE reimbursement of contractor contributions to DB pension plans assume an indirect rate anticipated to be sufficient to meet reimbursement requirements. The allocation of contributions among NNSA, the program offices and work for others is done based on each site's best estimate of the allocation of work based on current and anticipated work for the various parties that the site serves.<sup>6</sup>

The contractors are making concerted efforts to reduce the costs associated with these plans as the costs have steadily increased. In recent years, contractors have made changes to their DB pension plans in an effort to reduce the costs associated with them. These include:

<sup>5</sup> Legacy Management Plans, the NNSA legacy UC plans and the ETP Pension Plan rely on direct costs.

<sup>6</sup> These allocations were provided in August 2012 except for SRNS which provided updated allocations in October 2012.

#### Plans Closed to New Hires

- 5 plans have recently closed to new entrants (Pantex Non-Bargaining, Wackenhut Services Inc-Las Vegas, Y-12, West Valley and KAPL Bargaining). KAPL Bargaining plan is now closed to new entrants, and the Pantex Non-Bargaining plan has frozen benefit accruals for non-vested participants. In connection with the new contract with HPMC, the HPMC plan, previously the Computer Sciences Corporation (CSC) plan, has been closed to new entrants.
- 1 plan (Kansas City Hourly) has closed its traditional DB formula to new entrants and now offers a reduced hybrid formula to reduce future volatility. This plan now joins the Kansas City Salaried Plan and the NSTec plan in the category of hybrid benefit formulas for new employees. These hybrid plans are much less volatile than the traditional final earnings formulas that cover the incumbent workforce. Effective January 1, 2013, the Kansas City Salaried Plan hybrid formula was also closed to new employees.
- 5 (Hanford, Wackenhut Services Inc–Oak Ridge, BWCS, East Tennessee Technology Park (ETTP), and Y-12) of the remaining 11 plans with traditional DB formulas that continue to cover new employees as they are hired, referred to as open plans, are partially closed and are open to union or grandfathered employee transfers only.
- Sandia merged its two pension plans on 12/31/12 which should result in future savings in both administrative expenses and reimbursable contributions.
- The Argonne Guards Plan and the Stanford Plan covering SLAC employees were removed from DOE's financial statements effective September 30, 2012 which reduced the number of qualified (funded) plans to 38; the DOE confirmed that it no longer has any future liabilities associated with these plans. The obligations for the Argonne Firefighters Plan were settled in November 2012 which together with the merger of the Sandia Plans reduced the total number of qualified (funded) pension plans carried on the DOE's balance sheet to 36.<sup>7</sup> Any costs associated with the Stanford Plan will be included in the annual fringe rate.

#### Initiation and Escalation of Employee Contributions

- 2 plans (Lawrence Livermore National Security (LLNS) and Oak Ridge National Laboratory - UT Battelle (ORNL-UTB)) initiated employee contributions in mid-2012 and early 2013, respectively, and 2 other plans (Los Alamos National Security (LANS) and Lawrence Berkeley National Laboratory (LBNL)) increased employee contributions in 2012.

#### Modification of the Benefit Formula

- 4 plans (ORNL-UTB, Pacific National Northwest Laboratory (PNNL), Sandia, and Hanford Multi-Employer) have reduced benefits by modifying the benefit formula going forward. The formula changes at Hanford impact only the unrepresented workforce; the participating contractors are presently engaged in collective bargaining and have proposed extension of the same changes in the plan benefit formula for the represented workforce. The changes at Sandia affect current employees prospectively (note: plan is closed to new entrants) as do the Hanford changes which will be effective January 1, 2014; the changes at PNNL affect current employees and new hires, while the changes at ORNL-UTB affect only new hires.
- The ETTP Pension Plan was amended to remove the incentive compensation from eligible plan compensation.

**Moving Ahead For Progress in the 21<sup>st</sup> Century (MAP 21)**, the large transportation law, was signed by the President on July 6, 2012. The legislation includes provisions which affect DOE's reimbursement for costs associated with contractor pension plans and the calculation of plan liabilities beginning in FY 2013.<sup>8</sup>

- **Minimum required contributions will temporarily decrease:** Pension plan liabilities will be calculated using interest

---

<sup>7</sup> See footnote 2, supra.

<sup>8</sup> MAP-21 applies to plan years beginning in 2012 but became law in the 4th quarter of FY 2012. Therefore, it will not have a significant impact on contributions reimbursed by NNSA and the Department during FY 2012. In addition, for the non-NNSA plans, the estimates included in this justification were prepared prior to publication of the Internal Revenue Service (IRS) guidance (IRS Notice 2012-55 published August 16, 2012) specifying how funding interest rates should be determined under MAP-21, and therefore are based on the contractors' estimates as to what these rates would be absent such guidance.

rates based on long-term averages, thereby increasing the interest rates used in the near term and thus significantly reducing the MRCs for DOE contractor plans for the next few years.

- **However, contribution requirements will spike in FY 2016 as relief dissipates:** Eventual elimination of interest-rate relief by 2015 will result in significant increases to the MRCs in FY 2016 – not FY 2015, as expected prior to relief.

Projections of future DB pension plan contributions are highly sensitive to underlying data, methods, and especially assumptions. Changes in the population that are different from that expected impact the future costs of these plans; participants retiring earlier, living longer than expected may increase the costs while compensation increases less than expected may decrease the costs. The most significant assumptions affecting the contribution amounts are those assumptions with respect to future market conditions. In particular, the assumption of the expected return on investments earned by the plans each future year, as well as what the corporate bond yields will be in the future, because they drive the discount rate used to determine the liabilities, have the largest impact on the ultimate contributions that will be reimbursed by the DOE. For example, the actual contributions for fiscal year 2014 will not be known until January 2014 at the earliest because these contributions will be determined based on the asset value as of December 31, 2013, and the discount rate in effect at that time.

**Therefore, it is important to emphasize that the actual amounts reimbursed for the applicable fiscal years shown will almost certainly be different from the projections provided in this section.** The information provided for the funded plans (excluding the non-qualified plans) is based on plan contributions projected by the DOE's contractors in either August 2012 or, in the case of NNSA's non-legacy plans, January 2013; the non-qualified plan amounts equal the expected benefit payments which were submitted in connection with the prior year-end financial statement information. The information has been reviewed by NNSA and relevant DOE program offices and by the Office of the Chief Financial Officer.

- Table 2 provides aggregate FY 2012 actual and FY 2013 and FY 2014 estimated pension plan contributions eligible for reimbursement for all plans.
- Table 3 provides aggregate FY 2015-2018 estimated pension plan contributions expected to receive NNSA reimbursements.
- Table 4 provides plan-by-plan FY 2012 actual contributions and FY 2013 and FY 2014 estimated pension contributions eligible for reimbursement by NNSA and the DOE.
- Table 5 provides plan-by-plan FY 2015-2018 estimated pension plan contributions eligible for reimbursement by NNSA.

**Table 2: NNSA and DOE Program Office Actual Contributions for FY 2012 and Projected Contributions for FY 2013 and FY 2014**

Based on August 2012<sup>9</sup> data and pro-rated by Program Office  
(dollars in thousands)

Program Office	2012 Actual	2013 Projected	2014 Projected	FY 2012 Actual and FY 2013-FY 2014 Total Projected Contributions
NNSA	739,842	774,322	886,653	2,400,818
EM	332,960	235,339	340,451	908,750
Science	90,413	66,089	72,711	229,213
EERE	41,749	27,219	33,897	102,865
NE	28,354	20,499	26,005	74,859
OE	3,758	2,317	2,597	8,672
FE	2,955	2,464	2,656	8,075
LM	28,190	0	0	28,190
WFO	199,987	187,719	192,722	580,428
Other	34,480	21,786	32,487	88,753
<b>Total</b>	<b>1,502,688</b>	<b>1,337,756</b>	<b>1,590,179</b>	<b>4,430,623</b>

**Table 3: FY 2015-2018 NNSA Projected Reimbursements for Pension Contributions**

Based on August 2012<sup>10</sup>  
(dollars in thousands)

Program Office	FY 2015	FY 2016	FY 2017	FY 2018
NNSA	850,567	920,239	863,261	857,016

Table 4 provides the following information for each plan:

**Plan name and Plan type:** single employer, multi-employer, multiple employer, state or non-qualified.

**Status:** *Open* means that new employees continue to be covered by the plan; *Closed* means that the plan was closed to new entrants at some point in the past but still covers active employees who were employed prior to that point and are still working; *Closed\** means that new entrants to the defined benefit plan receive a hybrid benefit formula which are much less volatile than the traditional final earnings formulas that cover the incumbent workforce. *Partially Closed* means that some subset of the employee population are still becoming members of the plan at the time of hire but that the majority of new employees are not; *Frozen* means that there are no longer any employees covered by the plan.

**Reimbursements & Allocations:** Expected contributions are allocated by program office for fiscal year 2012-2014 with 2012 representing actual contributions and contributions for later years based on submissions as outlined in footnote 9.

<sup>9</sup>The information from January 2013 was reflected for NNSA sites' plans except for the 2 legacy UC Plans. Note that estimated contribution amounts included in the contractors' original funding strategies for the KC Salaried Plan, LANS Pension Plan, LLNS Pension Plan and Sandia Retirement Income Plan were adjusted by the contractors in consultation with NNSA for the fiscal years 2015-2017 so that they are above minimum required contributions in order to achieve efficiency savings. For the legacy UC Plans' contributions, actual contributions requiring reimbursement in FY 2014 are reported; expected contributions for FY 2015-FY 2017 were not changed from the FY 2013 President's Budget and the FY 2018 contributions were reported by UC in January 2012. The FY 2015-2018 contribution amounts were not updated because more current information was unavailable during budget development. Updated amounts for the 4 year period (2015-2018) are approximately \$48 million less than the contributions reported herein. Information for the Savannah River plan is based on information provided in October 2012.

<sup>10</sup> See footnote 9, supra.

**Table 4: FY 2012 Actual and FY 2013 and FY 2014 Estimated Contributions by Plan, NNSA and Program Office**  
Based on August 2012<sup>11</sup> data and pro-rated by Program Office  
(dollars in thousands)

Plan Name	Plan status (open, closed, closed*, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
East Tennessee Technology Park Pension Plan for Grandfathered Employees (formerly Bechtel Jacobs)		2012	10,433		10,433								
	Partially Closed	2013	11,000		11,000	-	-	-	-	-	-	-	-
	Multi-employer	2014	10,900		10,900								
University of California Retirement Plan - Lawrence Berkeley National Laboratory		2012	21,985	394	57	14,231	1,913	121	112	385	4,492	-	281
	Open	2013	28,800	516	75	18,642	2,506	158	147	504	5,884	-	369
	State	2014	35,300	632	92	22,850	3,071	194	180	618	7,212	-	452
Pension Plan for Eligible Bettis Employees and Retirees		2012	51,700	28,435	-	-	-	-	-	-	23,265	-	-
	Closed	2013	70,800	38,940	-	-	-	-	-	-	31,860	-	-
	Single Employer	2014	56,200	30,910	-	-	-	-	-	-	25,290	-	-
Pension Plan of the Pacific Northwest National Laboratories, Battelle Memorial Institute		2012	66,488	12,234	465	12,566	6,649	1,064	1,529	1,197	23,337	-	7,447
	Open	2013	40,000	7,360	280	7,560	4,000	640	920	720	14,040	-	4,480
	Single Employer	2014	40,000	7,360	280	7,560	4,000	640	920	720	14,040	-	4,480
BW Y12 Oak Ridge Retirement Plan		2012	90,321	84,902	903	-	-	-	-	-	-	-	4,516
	Partially Closed	2013	63,300	59,502	633	-	-	-	-	-	-	-	3,165
	Single Employer	2014	70,000	66,500	-	-	-	-	-	-	-	-	3,500
HPMC Retirement Plan		2012	865	-	865	-	-	-	-	-	-	-	-
	Closed	2013	865	-	865	-	-	-	-	-	-	-	-
	Single Employer	2014	865	-	865	-	-	-	-	-	-	-	-
Fernald Employees' Retirement Plan		2012	-	-	-	-	-	-	-	-	-	-	-
	Frozen	2013	-	-	-	-	-	-	-	-	-	-	-

<sup>11</sup> See footnote 9, supra.

**Table 4: FY 2012 Actual and FY 2013 and FY 2014 Estimated Contributions by Plan, NNSA and Program Office**  
Based on August 2012<sup>11</sup> data and pro-rated by Program Office  
(dollars in thousands)

Plan Name	Plan status (open, closed, closed*, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
			-	-	-	-	-	-	-	-	-	-	-
	Single Employer	2014	-	-	-	-	-	-	-	-	-	-	-
		2012	87,562	-	84,059	3,502	-	-	-	-	-	-	-
Hanford Multi-Employer Pension Plan	Partially Closed	2013	89,363	-	85,788	3,575	-	-	-	-	-	-	-
	Multi-employer	2014	97,162	-	93,276	3,886	-	-	-	-	-	-	-
		2012	90,583	8,868	48,009	326	1,259	20,327	-	45	9,819	-	1,929
Idaho National Laboratory Employee Retirement Plan	Closed	2013	63,600	6,226	33,708	229	884	14,272	-	32	6,894	-	1,355
	Multiple Employer	2014	85,400	8,361	45,262	307	1,187	19,164	-	43	9,257	-	1,819
		2012	51,600	28,380	-	-	-	-	-	-	23,220	-	-
Salaried Employee Pension Plan for KAPL Employees and Retirees	Closed	2013	56,400	31,020	-	-	-	-	-	-	25,380	-	-
	Single Employer	2014	48,000	26,400	-	-	-	-	-	-	21,600	-	-
		2012	9,500	5,225	-	-	-	-	-	-	4,275	-	-
Pension Plan for KAPL Employees in Participating Bargaining Units	Closed	2013	9,200	5,060	-	-	-	-	-	-	4,140	-	-
	Single Employer	2014	7,400	4,070	-	-	-	-	-	-	3,330	-	-
		2012	10,000	9,040	-	-	-	-	-	-	960	-	-
The Kansas City Division (Honeywell International Inc.) Hourly Employees Pension Plan	Closed*	2013	10,000	9,040	-	-	-	-	-	-	960	-	-
	Single Employer	2014	10,000	9,040	-	-	-	-	-	-	960	-	-
		2012	30,000	27,030	-	-	-	-	-	-	2,970	-	-
Honeywell Retirement Earnings Plan for Aerospace Employees at the Kansas City Division	Closed	2013	30,000	26,850	-	-	-	-	-	-	3,150	-	-
	Single Employer	2014	30,000	26,850	-	-	-	-	-	-	3,150	-	-

<sup>11</sup> See footnote 9, supra.

**Table 4: FY 2012 Actual and FY 2013 and FY 2014 Estimated Contributions by Plan, NNSA and Program Office**  
Based on August 2012<sup>11</sup> data and pro-rated by Program Office  
(dollars in thousands)

Plan Name	Plan status (open, closed, closed*, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
LANS Defined Benefit Pension Plan	Closed  Single Employer	2012	119,000	82,110	8,330	6,545	1,190	1,785	-	595	17,255	-	1,190
		2013	110,000	75,900	7,700	6,600	550	2,200	-	550	14,850	-	1,650
		2014	110,000	75,900	7,700	6,600	550	2,200	-	550	14,850	-	1,650
University of California Retirement Plan - Lawrence Livermore National Laboratory	Frozen  State	2012	153,941	153,941	-	-	-	-	-	-	-	-	-
		2013	198,300	198,300	-	-	-	-	-	-	-	-	-
		2014	231,800	231,800	-	-	-	-	-	-	-	-	-
LLNS Defined Benefit Pension Plan	Closed  Single Employer	2012	20,000	15,020	44	746	122	56	-	48	3,696	-	268
		2013	40,000	28,992	56	1,832	220	76	-	144	8,020	-	660
		2014	57,958	42,020	70	2,654	319	110	-	209	11,621	-	956
Lockheed Martin Specialty Components, Inc. Pension Plan	Frozen  Single Employer	2012	-	-	-	-	-	-	-	-	-	-	-
		2013	-	-	-	-	-	-	-	-	-	-	-
		2014	-	-	-	-	-	-	-	-	-	-	-
University of California Retirement Plan – Los Alamos National Laboratory	Frozen  Single Employer	2012	70,114	70,114	-	-	-	-	-	-	-	-	-
		2013	108,500	108,500	-	-	-	-	-	-	-	-	-
		2014	141,500	141,500	-	-	-	-	-	-	-	-	-
National Renewable Energy Laboratory Retirement Plan	Open  Single Employer	2012	20,499	-	-	1,025	17,424	-	205	-	1,845	-	-
		2013	12,622	-	-	631	10,728	-	126	-	1,136	-	-
		2014	19,543	-	-	977	16,612	-	195	-	1,759	-	-
National Security Technologies (NSTec) Employee Retirement Plan	Closed*	2012	21,510	15,035	1,699	-	-	22	-	-	4,087	-	667
		2013	11,997	8,386	948	-	-	12	-	-	2,279	-	372

<sup>11</sup> See footnote 9, supra.

**Table 4: FY 2012 Actual and FY 2013 and FY 2014 Estimated Contributions by Plan, NNSA and Program Office**  
Based on August 2012<sup>11</sup> data and pro-rated by Program Office  
(dollars in thousands)

Plan Name	Plan status (open, closed, closed*, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
	Single Employer	2014	25,480	17,811	2,013	-	-	25	-	-	4,841	-	790
B&W Pantex Retirement Plan for Bargaining Unit Members of the Pantex Guards Union		2012	3,355	3,322	-	-	-	-	-	-	34	-	-
	Closed	2013	2,000	1,980	-	-	-	-	-	-	20	-	-
	Single Employer	2014	2,300	2,277	-	-	-	-	-	-	23	-	-
Retirement Plan for Bargaining Unit Employees of the Metal Trades Council of B&W Pantex		2012	11,246	11,134	-	-	-	-	-	-	112	-	-
	Open	2013	7,300	7,227	-	-	-	-	-	-	73	-	-
	Single Employer	2014	8,100	8,019	-	-	-	-	-	-	81	-	-
B&W Pantex Retirement Plan for Non-Bargaining Employees		2012	20,967	20,758	-	-	-	-	-	-	210	-	-
	Closed	2013	20,400	20,196	-	-	-	-	-	-	204	-	-
	Single Employer	2014	19,600	19,404	-	-	-	-	-	-	196	-	-
Rocky Flats Retirement Plan for Hourly Plant Protection Employees		2012	-	-	-	-	-	-	-	-	-	-	-
	Frozen	2013	-	-	-	-	-	-	-	-	-	-	-
	Single Employer	2014	-	-	-	-	-	-	-	-	-	-	-
Rocky Flats Retirement Plan		2012	-	-	-	-	-	-	-	-	-	-	-
	Frozen	2013	-	-	-	-	-	-	-	-	-	-	-
	Single Employer	2014	-	-	-	-	-	-	-	-	-	-	-
Sandia Corporation Retirement Income Plan		2012	175,000	97,475	1,050	4,550	5,425	1,400	1,400	350	62,475	-	875
	Closed	2013	175,000	102,200	1,050	4,375	4,550	1,400	875	350	59,500	-	700
	Single Employer	2014	175,000	95,200	875	4,725	4,375	1,925	1,050	350	65,100	-	1,400
Savannah River Nuclear Solutions		2012	232,194	53,405	162,536	-	-	-	-	-	-	-	16,254

<sup>11</sup> See footnote 9, supra.

**Table 4: FY 2012 Actual and FY 2013 and FY 2014 Estimated Contributions by Plan, NNSA and Program Office**  
Based on August 2012<sup>11</sup> data and pro-rated by Program Office  
(dollars in thousands)

Plan Name	Plan status (open, closed, closed*, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
Multiple Employer Pension Plan	Closed	2013	122,000	28,100	85,400	-	-	-	-	-	-	-	8,500
	Multiple Employer	2014	238,000	59,700	161,400	-	-	-	-	-	-	-	16,900
B&W Conversion Services Pension Plan for Grandfathered Employees (formerly Uranium Disposition Services)		2012	1,522	-	1,522	-	-	-	-	-	-	-	-
	Partially Closed	2013	900	-	900	-	-	-	-	-	-	-	-
	Single Employer	2014	3,100	-	3,100	-	-	-	-	-	-	-	-
UT Battelle Pension Plan for Employees of ORNL		2012	82,773	6,291	1,242	45,525	7,698	3,559	497	331	16,637	-	993
	Open	2013	40,000	3,040	600	22,000	3,720	1,720	240	160	8,040	-	480
	Single Employer	2014	40,000	3,040	600	22,000	3,720	1,720	240	160	8,040	-	480
Waste Isolation Pilot Plant Pension Plan		2012	6,776	-	6,776	-	-	-	-	-	-	-	-
	Open	2013	4,300	-	4,300	-	-	-	-	-	-	-	-
	Single Employer	2014	8,000	-	8,000	-	-	-	-	-	-	-	-
West Valley Pension Plan		2012	4,115	-	4,115	-	-	-	-	-	-	-	-
	Closed	2013	1,000	-	1,000	-	-	-	-	-	-	-	-
	Single Employer	2014	4,500	-	4,500	-	-	-	-	-	-	-	-
Mound Employees Pension Plan		2012	28,190	-	-	-	-	-	-	-	-	28,190	-
	Frozen	2013	-	-	-	-	-	-	-	-	-	-	-
	Single Employer	2014	-	-	-	-	-	-	-	-	-	-	-
Wackenhut Services Inc. - Las Vegas Retirement Plan		2012	1,833	1,833	-	-	-	-	-	-	-	-	-
	Closed	2013	1,375	1,375	-	-	-	-	-	-	-	-	-
	Single Employer	2014	1,895	1,895	-	-	-	-	-	-	-	-	-
Independent Guard Association of		2012	1,711	1,711	-	-	-	-	-	-	-	-	-

<sup>11</sup>See footnote 9, supra.

**Table 4: FY 2012 Actual and FY 2013 and FY 2014 Estimated Contributions by Plan, NNSA and Program Office**  
Based on August 2012<sup>11</sup> data and pro-rated by Program Office  
(dollars in thousands)

Plan Name	Plan status (open, closed, closed*, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
Nevada – Wackenhut Services Inc. Pension Trust Fund	Closed	2013	1,249	1,249	-	-	-	-	-	-	-	-	-
	Single Employer	2014	1,197	1,197	-	-	-	-	-	-	-	-	-
Wackenhut Services Inc. Pension Plan for Employees at Oak Ridge		2012	1,654	1,158	248	248	-	-	-	-	-	-	-
	Partially Closed	2013	3,318	2,323	498	498	-	-	-	-	-	-	-
	Single Employer	2014	6,640	4,648	996	996	-	-	-	-	-	-	-
Yucca Mountain Salaried Pension Plan		2012	-	-	-	-	-	-	-	-	-	-	-
	Frozen	2013	-	-	-	-	-	-	-	-	-	-	-
	Single Employer	2014	-	-	-	-	-	-	-	-	-	-	-
Battelle Excess Benefit and SERP Plans		2012	11	2	0	2	1	0	0	0	4	-	1
	Closed	2013	9	2	0	2	1	0	0	0	3	-	1
	Non-qualified	2014	9	2	0	2	1	0	0	0	3	-	1
Executive and Supplemental Pension Plans for Designated Bettis Employees		2012	1,089	599	-	-	-	-	-	-	490	-	-
	Open	2013	1,173	645	-	-	-	-	-	-	528	-	-
	Non-qualified	2014	1,211	666	-	-	-	-	-	-	545	-	-
Excess and Supplemental Pension Plans for Designated KAPL Employees		2012	221	121	-	-	-	-	-	-	99	-	-
	Closed	2013	240	132	-	-	-	-	-	-	108	-	-
	Non-qualified	2014	253	139	-	-	-	-	-	-	114	-	-
LANS 401(a)(17) Restoration Plan		2012	-	-	-	-	-	-	-	-	-	-	-
	Closed	2013	12	9	1	1	0	0	-	0	2	-	0
	Non-qualified	2014	23	16	2	1	0	0	-	0	3	-	0
LANS Restoration Plan		2012	5	4	0	0	0	0	-	0	1	-	0
	Closed	2013	5	4	0	0	0	0	-	0	1	-	0

<sup>11</sup>See footnote 9, supra.

**Table 4: FY 2012 Actual and FY 2013 and FY 2014 Estimated Contributions by Plan, NNSA and Program Office**  
 Based on August 2012<sup>11</sup> data and pro-rated by Program Office  
 (dollars in thousands)

Plan Name	Plan status (open, closed, closed*, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
	Non-qualified	2014	8	5	1	0	0	0	-	0	1	-	0
LLNS 401(a)(17) Restoration Plan		2012	33	25	0	1	0	0	-	0	6	-	0
	Closed	2013	90	65	0	4	1	0	-	0	18	-	1
	Non-qualified	2014	130	97	0	4	1	0	-	0	25	-	2
LLNS Restoration Plan		2012	8	6	0	0	0	0	-	0	1	-	0
	Closed	2013	46	33	0	2	0	0	-	0	9	-	1
	Non-qualified	2014	75	56	0	2	0	0	-	0	14	-	1
Sandia Nonqualified Plan		2012	1,752	976	11	46	54	14	14	4	625	-	9
	Closed	2013	1,592	879	10	41	43	13	8	3	584	-	11
	Non-qualified	2014	1,639	860	8	48	44	18	10	5	631	-	15
SRNS Nonqualified Plan		2012	559	129	392	-	-	-	-	-	-	-	39
	Frozen	2013	443	102	310	-	-	-	-	-	-	-	31
	Non-qualified	2014	431	108	292	-	-	-	-	-	-	-	31
Washington Tru - Washington Government Services Executive Pension Plan		2012	49	-	49	-	-	-	-	-	-	-	-
	Frozen	2013	54	-	54	-	-	-	-	-	-	-	-
	Non-qualified	2014	57	-	57	-	-	-	-	-	-	-	-
West Valley - Washington Government Services Executive Pension Plan		2012	151	-	151	-	-	-	-	-	-	-	-
	Frozen	2013	158	-	158	-	-	-	-	-	-	-	-
	Non-qualified	2014	161	-	161	-	-	-	-	-	-	-	-
BW Y-12 NQ Plan		2012	167	157	2	-	-	-	-	-	-	-	8
	Frozen	2013	167	157	2	-	-	-	-	-	-	-	8
	Non-qualified	2014				-	-						

<sup>11</sup>See footnote 9, supra.

**Table 4: FY 2012 Actual and FY 2013 and FY 2014 Estimated Contributions by Plan, NNSA and Program Office**  
 Based on August 2012<sup>11</sup> data and pro-rated by Program Office  
 (dollars in thousands)

Plan Name	Plan status (open, closed, closed*, frozen)	Fiscal Year	Total 167	NNSA 159	EM -	Science	EERE	NE -	OE -	FE -	WFO -	LM -	Other 8
UTB ORNL NQ Plan	Frozen	2012	144	11	2	79	13	6	1	1	29	-	2
		2013	177	13	3	97	16	8	1	1	35	-	2
		2014	177	13	3	97	16	8	1	1	35	-	2
Stanford RAP Plan	Removed beg. FY 2013 due to contract renewal with Stanford	2012	1,062	-	-	1,019	-	-	-	-	42	-	-
<b>Total</b>		2012	<b>1,502,688</b>	<b>739,842</b>	<b>332,960</b>	<b>90,413</b>	<b>41,749</b>	<b>28,354</b>	<b>3,758</b>	<b>2,955</b>	<b>199,987</b>	<b>28,190</b>	<b>34,480</b>
		2013	<b>1,337,756</b>	<b>774,322</b>	<b>235,339</b>	<b>66,089</b>	<b>27,219</b>	<b>20,499</b>	<b>2,317</b>	<b>2,464</b>	<b>187,719</b>	<b>-</b>	<b>21,786</b>
		2014	<b>1,590,179</b>	<b>886,653</b>	<b>340,451</b>	<b>72,711</b>	<b>33,897</b>	<b>26,005</b>	<b>2,597</b>	<b>2,656</b>	<b>192,722</b>	<b>-</b>	<b>32,487</b>

<sup>11</sup>See footnote 9, supra.

**Table 5: Projected FY 2015-2018 Contractor DB Pension Plan Contributions by Plan Expected to be Reimbursed by NNSA**  
 Projections based on August 2012 data<sup>12</sup> and pro-rated by Program Office  
 (dollars in thousands)

Plan Name	Fiscal Year	NNSA
University of California Retirement Plan - Lawrence Berkeley National Laboratory	2015	755
	2016	886
	2017	997
	2018	1,033
Pension Plan for Eligible Bettis Employees and Retirees	2015	24,915
	2016	38,610
	2017	15,290
	2018	15,290
Pension Plan of the Pacific Northwest National Laboratories, Battelle Memorial Institute	2015	7,360
	2016	9,513
	2017	10,028
	2018	8,961
BW Y12 Oak Ridge Retirement Plan	2015	66,500
	2016	64,885
	2017	66,405
	2018	46,455
Idaho National Laboratory Employee Retirement Plan	2015	9,712
	2016	8,028
	2017	5,003
	2018	4,190
Salaried Employee Pension Plan for KAPL Employees and Retirees	2015	25,795
	2016	37,290
	2017	17,270
	2018	17,270
Pension Plan for KAPL Employees in Participating Bargaining Units	2015	2,365
	2016	4,565
	2017	1,980
	2018	1,980
The Kansas City Division (Honeywell International Inc.) Hourly Employees Pension Plan	2015	9,040
	2016	9,040
	2017	-
	2018	-
Honeywell Retirement Earnings Plan for Aerospace Employees at the Kansas City Division	2015	7,608
	2016	26,850
	2017	20,585
	2018	6,981
LANS Defined Benefit Pension Plan	2015	120,060
	2016	155,250
	2017	177,330
	2018	170,430
University of California Retirement Plan - Lawrence Livermore National Laboratory	2015	250,500
	2016	242,600
	2017	173,400
	2018	138,800

<sup>12</sup>See footnote 9, supra.  
 Contractor Pension and  
 Other Postretirement Benefits

**Table 5: Projected FY 2015-2018 Contractor DB Pension Plan Contributions by Plan Expected to be Reimbursed by NNSA**  
 Projections based on August 2012 data<sup>12</sup> and pro-rated by Program Office  
 (dollars in thousands)

Plan Name	Fiscal Year	NNSA
LLNS Defined Benefit Pension Plan	2015	-
	2016	6,647
	2017	57,992
	2018	110,910
University of California Retirement Plan – Los Alamos National Laboratory	2015	153,100
	2016	146,100
	2017	143,800
	2018	124,200
National Security Technologies (NSTec) Employee Retirement Plan	2015	21,924
	2016	20,946
	2017	18,814
	2018	8,738
B&W Pantex Retirement Plan for Bargaining Unit Members of the Pantex Guards Union	2015	2,970
	2016	3,861
	2017	4,257
	2018	4,356
Retirement Plan for Bargaining Unit Employees of the Metal Trades Council of B&W Pantex	2015	9,900
	2016	12,177
	2017	13,068
	2018	13,464
B&W Pantex Retirement Plan for Non-Bargaining Employees	2015	16,830
	2016	16,632
	2017	16,632
	2018	16,533
Sandia Corporation Retirement Income Plan	2015	54,500
	2016	63,199
	2017	60,280
	2018	113,984
Savannah River Nuclear Solutions Multiple Employer Pension Plan	2015	52,600
	2016	37,200
	2017	43,200
	2018	36,900
UT Battelle Pension Plan for Employees of ORNL	2015	3,040
	2016	3,344
	2017	3,344
	2018	3,724
Wackenhut Services Inc. - Las Vegas Retirement Plan	2015	2,183
	2016	2,552
	2017	2,682
	2018	2,203
Independent Guard Association of Nevada – Wackenhut Services Inc. Pension Trust Fund	2015	1,336
	2016	1,595
	2017	1,592
	2018	1,478

<sup>12</sup>See footnote 9, supra.  
 Contractor Pension and  
 Other Postretirement Benefits

**Table 5: Projected FY 2015-2018 Contractor DB Pension Plan Contributions by Plan Expected to be Reimbursed by NNSA**  
 Projections based on August 2012 data<sup>12</sup> and pro-rated by Program Office  
 (dollars in thousands)

Plan Name	Fiscal Year	NNSA
Wackenhut Services Inc. Pension Plan for Employees at Oak Ridge	2015	5,296
	2016	6,033
	2017	6,658
	2018	6,290
Battelle Excess Benefit and SERP Plans	2015	2
	2016	2
	2017	2
	2018	2
Executive and Supplemental Pension Plans for Designated Bettis Employees	2015	719
	2016	756
	2017	803
	2018	838
Excess and Supplemental Pension Plans for Designated KAPL Employees	2015	145
	2016	151
	2017	155
	2018	162
LANS 401(a)(17) Restoration Plan	2015	26
	2016	37
	2017	49
	2018	63
LANS Restoration Plan	2015	7
	2016	10
	2017	15
	2018	21
LLNS 401(a)(17) Restoration Plan	2015	134
	2016	179
	2017	236
	2018	302
LLNS Restoration Plan	2015	84
	2016	119
	2017	163
	2018	217
Sandia Nonqualified Plan	2015	891
	2016	931
	2017	958
	2018	974
SRNS Nonqualified Plan	2015	98
	2016	79
	2017	102
	2018	98
BW-Y12 NQ Plan	2015	159
	2016	159
	2017	159
	2018	159

<sup>12</sup>See footnote 9, supra.  
 Contractor Pension and  
 Other Postretirement Benefits

**Table 5: Projected FY 2015-2018 Contractor DB Pension Plan Contributions by Plan Expected to be Reimbursed by NNSA**  
 Projections based on August 2012 data<sup>12</sup> and pro-rated by Program Office  
 (dollars in thousands)

Plan Name	Fiscal Year	NNSA
UTB ORNL NQ Plan	2015	13
	2016	13
	2017	13
	2018	13
<b>Total</b>	<b>2015</b>	<b>850,567</b>
	<b>2016</b>	<b>920,239</b>
	<b>2017</b>	<b>863,261</b>
	<b>2018</b>	<b>857,016</b>

<sup>12</sup>See footnote 9, supra.  
 Contractor Pension and  
 Other Postretirement Benefits

## Section II - Other Postretirement Benefit Plans

For the most part, contractors do not fund other postretirement benefit plans in advance, but instead pay the claims incurred by the retired members or the premiums required to cover the plan benefits. The other postretirement benefits covered by the contractors are primarily medical including prescription drug but may also include dental, vision and life insurance benefits that are provided upon retirement from the contractor. The costs associated with these plans are expected to grow as the retired population grows and as healthcare cost trends continue to increase.

Due to the fact that the claims are not paid until incurred and processed, the actual amounts of contractors' payment of claims that DOE will reimburse for FY 2013 will not be known until after budget development. The contractor costs are included in indirect costs. The budget assumes an indirect rate sufficient to meet reimbursement requirements.<sup>k</sup> As mentioned in the pension section, the allocation of contributions among NNSA, the non-NNSA program offices, and work for others, is done based on each site's best estimate of the allocation of work based on current and anticipated work for the various parties that the site serves.

The Stanford Plan covering SLAC employees was removed from DOE's financial statements as of September 30, 2012, because the DOE has confirmed that it no longer has any future liabilities associated with this plan due to the recent contract renewal.

The contractors are making concerted efforts to reduce the costs associated with these plans as the costs have steadily increased. In recent years, contractors have made changes to their other postretirement benefit plans in an effort to reduce the costs associated with them as well as to simplify administration. These changes include:

- **Plans Closed to New Hires:** Six post retirement benefit plans have recently closed to new hires (PNNL, Y-12, Nevada National Security Site, Sandia, Oak Ridge National Laboratory, and Kansas City). Only 16 of 41 postretirement benefit plans are open to new hires.
- **Changed Plan Design:** Seven plans have modified/changed plan designs (Fernald, Hanford, Kansas City, Nevada National Security Site, Oak Ridge National Laboratory, Sandia, and Savannah River).
- **Plans with Increased Retiree Cost-Share:** Six plans have increased their retirees' cost share of the plan premiums or co-pays (Brookhaven, Fermi, KAPL, LBNL, PNNL, and Waste Isolation Pilot Plant).
- **Medicare Exchange Programs for Post-65 Retirees:** Six contractors including most recently SRNS-SRR and NSTec have moved their post-65 retirees to a Medicare Exchange program with an employer provided stipend for coverage provided in a Health Reimbursement Account.

Projections of future postretirement benefits to be paid are highly sensitive to underlying data, methods, and assumptions, particularly assumptions related to future increases in the expected claims paid each year as well as the underlying assumptions regarding usage and coverage. Thus, the actual amounts reimbursed in a future fiscal year may be different. All of the information provided is based on expected reimbursements as reported by the DOE's respective contractors in August 2012; it has been reviewed by the appropriate NNSA and DOE program office and the Office of the Chief Financial Officer.

- Table 1 provides aggregate FY 2012-2014 estimated other postretirement benefit reimbursements.
- Table 2 provides aggregate FY 2015-2018 estimated other postretirement benefit reimbursements for NNSA.

---

<sup>k</sup>The LM plans and WSI-OR plans rely on direct costs.

**Table 1: FY 2012-2014 NNSA and DOE Program Office Projected Other Postretirement Benefits Payments**  
 Based on August 2012 data call and pro-rated by Program Office  
 (dollars in thousands)

<b>Program Office</b>	<b>FY2012</b>	<b>FY2013</b>	<b>FY2014</b>	<b>FY2012-FY2014 Total Projected Contributions</b>
NNSA	159,923	172,277	188,384	520,584
EM	84,240	90,794	95,876	270,910
SC	58,876	64,465	69,113	192,454
EERE	5,521	5,674	6,169	17,364
NE	5,762	6,284	7,809	19,856
OE	607	517		1,723
FE	1,463	1,577	1,764	4,804
WFO	49,500	54,329	59,414	163,242
LM	72,381	76,130	79,868	228,379
Other	8,665	9,404	10,272	28,341
<b>Total</b>	<b>446,937</b>	<b>481,452</b>	<b>519,266</b>	<b>1,447,655</b>

**Table 2: FY 2015-2018 NNSA and DOE Program Office Projected Other Postretirement Benefits Payments**  
 Based on August 2012 data call and pro-rated by Program Office  
 (dollars in thousands)

<b>Program Office</b>	<b>FY2015</b>	<b>FY2016</b>	<b>FY2017</b>	<b>FY2018</b>	<b>FY2015-FY2018 Total Projected Contributions</b>
NNSA	204,743	221,216	236,971	255,096	918,028

## GENERAL PROVISIONS

*(including cancellation and transfer of funds)*

*Sec. 301. The unexpended balances of prior appropriations provided for activities in this Act may be available to the same appropriation accounts for such activities established pursuant to this title. Available balances may be merged with funds in the applicable established accounts and thereafter may be accounted for as one fund for the same time period as originally enacted.*

*Sec. 302. Funds appropriated by this or any other Act, or made available by the transfer of funds in this Act, for intelligence activities are deemed to be specifically authorized by the Congress for purposes of section 504 of the National Security Act of 1947 (50 U.S.C. 414) during fiscal year 2014 until the enactment of the Intelligence Authorization Act for fiscal year 2014.*

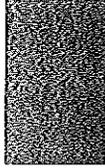
*Sec. 303. Not to exceed 5 percent, or \$100,000,000, of any appropriation, whichever is less, made available for Department of Energy activities funded in this Act or subsequent Energy and Water Development and Related Agencies Appropriations Acts may be transferred between such appropriations, but no such appropriation, except as otherwise provided, shall be increased or decreased by more than 5 percent by any such transfers, and any such proposed transfers shall be submitted promptly to the Committees on Appropriations of the House and Senate.*

*Sec. 304. None of the funds made available in this title shall be used for the construction of facilities classified as high-hazard nuclear facilities under 10 CFR Part 830 unless independent oversight is conducted by the Office of Health, Safety, and Security to ensure the project is in compliance with nuclear safety requirements.*

*Sec. 305. None of the funds made available in this title may be used to approve critical decision-2 or critical decision-3 under Department of Energy Order 413.3B, or any successive departmental guidance, for construction projects where the total project cost exceeds \$100,000,000, until a separate independent cost estimate has been developed for the project for that critical decision.*

*Sec. 306. (a) The set-asides included in Division C of Public Law 111-8 for projects specified in the explanatory statement accompanying that Act in the following accounts shall not apply to such funds: "Defense Environmental Cleanup", "Electricity Delivery and Energy Reliability", "Energy Efficiency and Renewable Energy", "Fossil Energy Research and Development", "Non-Defense Environmental Cleanup", "Nuclear Energy", "Other Defense Activities", and "Science". (b) The set-asides included in Public Law 111-85 for projects specified in the explanatory statement accompanying that Act in the following accounts shall not apply to such funds: "Electricity Delivery and Energy Reliability", "Energy Efficiency and Renewable Energy", "Fossil Energy Research and Development", "Nuclear Energy", and "Science".*

*Sec. 307. [Of the unobligated balances from prior year appropriations available under the heading "Energy Efficiency and Renewable Energy", \$69,667,000 are hereby permanently cancelled: Provided, That no amounts may be cancelled from amounts that were designated by the Congress as an emergency requirement pursuant to the Concurrent Resolution on the Budget or the Balanced Budget and Emergency Deficit Control Act of 1985, as amended]The Secretary of Energy may transfer up to \$48,000,000 from any appropriation or combination of appropriations made available to the Department of Energy in this or prior Acts to any other appropriation, for the purpose of carrying out domestic uranium enrichment research, development, and demonstration activities: Provided, That any transfer pursuant to this section does not transfer funds from the national defense (050) budget function to any other budget function, or from any other budget function to the national defense (050) budget function.Note.--A full-year 2013 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 112-175). The amounts included for 2013 reflect the annualized level provided by the continuing resolution.*



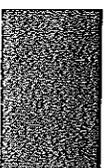
**Other Defense Activities**



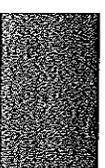
**Departmental Administration**



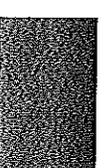
**Inspector General**



**Working Capital Fund**



**Safeguards and Security Crosscut**



**Pensions**