

Department of Energy

FY 2015 Congressional Budget Request



Other Defense Activities
Departmental Administration
Inspector General
Working Capital Fund
Crosscutting Activities
Pensions

Department of Energy

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FY 2015 Congressional Budget Request

Volume 2

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FUNDING BY APPROPRIATION

(Discretionary dollars in thousands)

Department of Energy Budget by Appropriation

Energy and Water Development and Related Agencies

Energy Programs

	FY 2013 Current	FY 2014 Enacted	FY 2015 Request	FY 2015 vs. FY 2014	
				\$	%
Energy Efficiency and Renewable Energy	1,691,757	1,900,641	2,316,749	+416,108	+21.9%
Electricity Delivery and Energy Reliability	129,196	147,242	180,000	+32,758	+22.2%
Nuclear Energy	708,429	888,376	863,386	-24,990	-2.8%

Fossil Energy Programs

Clean Coal Technology	0	0	-6,600	-6,600	N/A
Fossil Energy Research and Development	498,715	561,931	475,500	-86,431	-15.4%
Naval Petroleum and Oil Shale Reserves	14,129	19,999	19,950	-49	-0.2%
Elk Hills School Lands Fund	0	0	15,580	+15,580	N/A
Strategic Petroleum Reserve	182,625	189,360	205,000	+15,640	+8.3%
Northeast Home Heating Oil Reserve	3,590	8,000	1,600	-6,400	-80.0%

Total, Fossil Energy Programs

Uranium Enrichment D&D Fund	448,231	598,574	530,976	-67,598	-11.3%
Energy Information Administration	99,508	116,999	122,500	+5,501	+4.7%
Non-Defense Environmental Cleanup	223,457	231,741	226,174	-5,567	-2.4%
Science	4,681,195	5,066,372	5,111,155	+44,783	+0.9%
Advanced Research Projects Agency - Energy	250,636	280,000	325,000	+45,000	+16.1%
Departmental Administration	119,195	126,449	129,052	+2,603	+2.1%
Office of Indian Energy Policy and Programs	0	0	16,000	+16,000	N/A
Office of the Inspector General	39,803	42,120	39,868	-2,252	-5.3%
Title 17 - Innovative Technology					
Loan Guarantee Program	0	20,000	7,000	-13,000	-65.0%
Advanced Technology Vehicles Manufacturing Loan Program	5,686	6,000	4,000	-2,000	-33.3%

Total, Energy Programs

Atomic Energy Defense Activities

National Nuclear Security Administration

Weapons Activities	6,966,855	7,781,000	8,314,902	+533,902	+6.9%
Defense Nuclear Nonproliferation	2,237,420	1,954,000	1,555,156	-398,844	-20.4%
Naval Reactors	994,118	1,095,000	1,377,100	+282,100	+25.8%
Federal Salaries and Expenses/1	377,457	377,000	410,842	+33,842	+9.0%
Cerro Grande Fire Activities	-61	0	0	0	N/A

Total, National Nuclear Security Administration

Environmental and Other Defense Activities

Defense Environmental Cleanup	4,627,054	5,000,000	5,327,538	+327,538	+6.6%
Other Defense Activities	760,030	755,000	753,000	-2,000	-0.3%
Defense Nuclear Waste Disposal	-727	0	0	0	N/A

Total, Environmental and Other Defense Activities

Total, Atomic Energy Defense Activities

Power Marketing Administrations

Southeastern Power Administration	0	0	0	0	N/A
Southwestern Power Administration	11,243	11,892	11,400	-492	-4.1%
Western area Power Administration (CROM)	90,949	95,930	93,372	-2,558	-2.7%
Falcon and Amistad Operating and Maintenance Fund	220	420	228	-192	-45.7%
Colorado River Basins	-23,000	-23,000	-23,000	0	N/A
Transmission Infrastructure Program	0	0	0	0	N/A

Total, Power Marketing Administrations

Federal Energy Regulatory Commission (FERC)

	0	0	0	0	N/A
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Subtotal, Energy and Water Development and Related Agencies

Uranium Enrichment D&D Fund Discretionary Payments	0	0	-463,000	-463,000	N/A
Excess Fees and Recoveries, FERC	-279	-26,236	0	+26,236	+100.0%

Total, Discretionary Funding by Appropriation

	25,137,431	27,224,810	27,940,428	+715,618	+2.6%
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1/Formerly Office of the Administrator

Other Defense Activities

Other Defense Activities

FY 2015 Congressional Budget Request

Other Defense Activities

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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, [~~\$755,000,000~~]~~\$753,000,000~~, to remain available until expended: Provided, That [~~\$127,035,000~~]~~\$210,607,000~~ shall be available until September 30, 2016, for program direction.

Explanation of Changes

The Office of Health, Safety and Security activities are split between two new lines of organization; Environment, Health, Safety and Security, and Independent Enterprise Assessments. As in FY 2014, Idaho site-wide safeguards and security activities are requested in the Nuclear Energy account for FY 2015. Elements of Defense Related Administrative Support that offset Program Direction elements within Departmental Administration have been included in the computation of the amount in the proviso for Program Direction.

Other Defense Activities

(\$K)			
FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request
760,030	755,000	755,000	753,000

Overview

The Other Defense Activities appropriation funds elements that relate to and support the defense oriented activities within the Department. These include Environment, Health, Safety and Security; Independent Enterprise Assessments, Specialized Security Activities, Legacy Management, Hearings and Appeals, and Defense Related Administrative Support (DRAS). Funding from DRAS is used to offset funding within the DA appropriation for the Chief Information Officer and the Chief Financial Officer work supporting defense oriented activities in the Department.

Highlights and Major Changes in the FY 2015 Budget Request

- The Office of Health, Safety and Security has been reorganized within DOE into two elements; Environment, Health, Safety and Security; and Independent Enterprise Assessments. The request parallels that reorganization and budgets are submitted for those two new programs.
- As in FY 2014, Idaho Sitewide Safety and Security is requested within the Nuclear Energy Appropriation.

Other Defense Activities
Funding by Congressional Control (\$K)

	FY 2013 Current	FY 2014 Enacted	FY 2014 Adjustments	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Health, Safety and Security	230,184	251,917	—	251,917	—	-251,917
Specialized Security Activities	171,396	202,242	—	202,242	202,152	-90
Environment, Health, Safety and Security	—	—	—	—	180,998	+180,998
Independent Enterprise Assessments	—	—	—	—	73,534	+73,534
Office of Legacy Management	155,699	176,983	—	176,983	171,980	-5,003
Idaho Sitewide Safeguards and Security	89,853	—	—	—	—	—
Defense-Related Administrative Support	109,095	118,836	—	118,836	118,836	—
Office of Hearings and Appeals	3,803	5,022	—	5,022	5,500	+478
Total, Other Defense Activities	760,030	755,000	—	755,000	753,000	-2,000

**Other Defense Activities
Budget Structure Changes**

In FY 2015, the Health, Safety and Security has been reorganized within DOE into two elements; Environment, Health, Safety and Security; and Independent Enterprise Assessments. The request parallels that reorganization and budgets are submitted for those two new programs.

Comparability Matrix (\$K)

Proposed FY 2015 Budget Structure		
Environment, Health, Safety and Security	Independent Enterprise Assessments	Total

FY 2014 Budget Structure
Health, Safety and Security
Total, HSS, EHSS, and IEA

180,998	73,534	254,532
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Health, Safety and Security

Overview

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 and training in policy implementation, and a focused and integrated corporate-level analysis of operating experience and independent oversight 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.

HSS assists the Department in achieving its mission in a safe, secure, environmentally responsible manner by integrating 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. This approach and functional alignment of responsibilities within HSS prevents redundancy in reporting requirements, provides consistency in policy and guidance development and technical assistance, and increases the effectiveness of communication and accountability for worker health, safety, and security.

In FY 2013, HSS assisted in the completion of all nuclear safety improvement actions in response to the Fukushima Daiichi nuclear disaster; completed safety culture reviews at select nuclear construction projects and operations; and completed safeguards and security reviews and initiated safeguards and security independent oversight inspections of Category I Special Nuclear Material sites. In FY 2014, HSS is scheduled to complete a corporate awareness and outreach campaign across the DOE complex to ensure effective implementation of 10 C.F.R. 851, *Worker Safety and Health Program*; promulgate guidance for work planning and control at the activity-level; assist in the implementation of the revised Graded Security Protection Policy; and continue independent oversight reviews of Category I Special Nuclear Material sites and line management self-assessments of safety conscious work environments.

HSS analyzes and adjusts priorities and activities based on emerging Departmental goals, significant Departmental events, program reviews with HSS directors, and the results of independent oversight appraisals and enforcement actions. HSS 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 refine strategies.

Highlights of the FY 2015 Budget Request

On February 12, 2014, the Secretary of Energy announced the next steps in the Department's reorganization plan to better focus the Energy Department's efforts on all four mission areas of the Department, including nuclear security, solving the Nation's energy challenges, advancing fundamental science and environmental stewardship. As part of this reorganization, the existing Office of Health, Safety and Security health, safety, environment, and security policy, assistance, and corporate program activities as well as DOE Headquarters security operations will be integrated into the Office of the Under Secretary for Management and Performance as the Office of Environment, Health, Safety and Security. The existing Office of Health, Safety and Security independent oversight, enforcement, safety and security training, and outreach activities will comprise the Office of Independent Enterprise Assessment, reporting directly to the Office of the Secretary. The FY 2015 funding for these realigned activities is included in separate requests.

**Health, Safety and Security
Funding (\$K)**

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request¹	FY 2015 vs FY 2014 Enacted
Health, Safety and Security					
Health and Safety					
Worker Safety	3,721	4,846	4,846	—	-4,846
Nuclear Safety	14,906	12,317	12,317	—	-12,317
Environment	2,007	2,407	2,407	—	-2,407
Health Programs					
Domestic Health Programs					
Health Research	2,550	2,550	2,550	—	-2,550
Former Worker Medical Screening	19,850	19,850	19,850	—	-19,850
Employee Compensation Program	6,000	6,340	6,340	—	-6,340
International Health Programs					
Russian Health Studies	2,750	2,750	2,750	—	-2,750
Japanese Health Studies	14,000	14,000	14,000	—	-14,000
Marshall Islands Program	6,300	6,300	6,300	—	-6,300
Total, Health Programs	51,450	51,790	51,790	—	-51,790
Enforcement	1,000	1,947	1,947	—	-1,947
Total, Health and Safety	73,084	73,307	73,307	—	-73,307
Security					
Safety & Security Training	14,500	15,000	15,000	—	-15,000
Security Operational Support	5,682	5,762	5,762	—	-5,762
Classification, Declassification and Controlled Information	8,707	8,707	8,707	—	-8,707
Security Investigations	6,653	9,850	9,850	—	-9,850
Headquarters Security Operations	27,920	30,990	30,990	—	-30,990
Total, Security	63,462	70,309	70,309	—	-70,309
Total, Health, Safety and Security	136,546	143,616	143,616	—	-143,616
Program Direction	93,639	108,301	108,301	—	-108,301
Total, Health, Safety and Security	230,185	251,917	251,917	—	-251,917

¹ FY 2015 funding is included in the Independent Enterprise Assessments and Environment, Health, Safety and Security budget requests within the Other Defense Activities appropriation.

Health, Safety and Security
Explanation of Major Changes (\$K)

FY 2015 vs FY 2014 Enacted

Health, Safety and Security: Beginning in FY 2015 current HSS independent oversight, enforcement, safety and security training, and outreach activities will be funded by Independent Enterprise Assessments; all other activities will be funded by Environment, Health, Safety and Security. Program Direction funding will be apportioned between the two new programs. All activities are to remain within the Other Defense Activities appropriation.

-251,917

Total, Health, Safety and Security

-251,917

Health and Safety

Description

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; protection of the environment and cultural and natural resources; 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 Assistance Center/Training Site; and operating the Filter Test Facility. Corporate databases, such as those pertaining to accidents and illnesses, occurrence reporting, radiation monitoring and dose assessment, safety basis information, and hazardous substances inventories are maintained and used to support analyses of health and safety performance for senior management.

Health and Safety provides technical support for the implementation of Department-wide safety and environmental programs such as the DOE Federal occupational safety and health program, the voluntary protection program which encourages and rewards safety performance that exceeds industry averages through universally recognized certifications, environmental management systems which support sustainable practices that promote pollution prevention, greenhouse gas reduction, and effective resource utilization, and radiological clearance and control programs for the safe reuse and recycle of DOE equipment and materials and radiological release of lands and buildings. 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 evaluation and documentation of health effects and 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 for the implementation of the 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.

Worker Safety

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 thus assuring that work is conducted with a full understanding of health- and safety-related risks, controls necessary to mitigate those risks are implemented, and worker compensation liabilities are minimized and/or avoided. Funding provides for the maintenance of existing standards and the development of new requirements based on new or evolving working conditions; technical assistance to DOE programs, laboratories, and sites in implementing health and safety requirements and programs; promotion of improvements in overall safety culture; and implementation of corporate health- and safety-related programs and information technology systems. Funding also provides for collecting, analyzing, and trending operational data to identify strengths and weaknesses of safety programs in support of continuous improvement in safety performance.

Nuclear Safety

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 design and 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. Nuclear safety provides assistance to field elements in implementing requirements and resolving issues; and provides oversight of DOE nuclear operations and facilities.

Environment

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 to ensure DOE's environmental radiation protection program is consistent with the Department's risk management strategies and national and international radiation protection standards associated with the management of DOE radioactive wastes and associated property. Funding supports programs that provide assurance that environmental monitoring and sampling data meet DOE data quality objectives and ensures computer codes that are used to demonstrate compliance with DOE public and environmental protection requirements are appropriate and employ the best science. Funding also supports the development and maintenance of plans, models, and guidance to respond to radiological- and nuclear-related emergencies.

Domestic Health Programs: Health Research

Domestic health research activities provide for the conduct of health studies on DOE workers and communities surrounding DOE sites, technical assistance to DOE Programs in addressing specific health issues, support to national assets used to respond to radiological events throughout the country, and expertise to support national and international efforts in response to disease outbreaks. These activities also support the maintenance of the electronic comprehensive epidemiologic data resource and the beryllium and U.S. transuranium and uranium registries; and access to the data these systems contain.

Domestic Health Programs: Former Worker Medical Screening

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.

Domestic Health Programs: Employee Compensation Program

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.

International Health Programs: Russian Health Studies

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.

International Health Programs: Japanese Health Studies

The Japanese health studies activity supports the Radiation Effects Research Foundation, managed through 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 that are used as a basis for the development of radiation standards.

International Health Programs: Marshall Islands Program

The Marshall Islands program provides for medical surveillance and treatment of Marshallese citizens affected by the nuclear weapons testing conducted by the United States in the Pacific Ocean between 1946 and 1958. The program also provides for environmental monitoring in support of safe resettlement of four atolls affected by the testing. The work is performed as required by the Compact of Free Association Acts of 1986 and 2003 between the United States and the Republic of the Marshall Islands and the Insular Areas Act of 2011 requiring enhanced monitoring of Runit Island Nuclear Waste Containment Structure beginning in FY 2013.

Enforcement

DOE's worker safety and health, nuclear safety, and classified information security enforcement activities implement 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 requirements, 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.

Security

Description

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. 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.

Safety and Security Training

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.

Security Operational Support

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.

Classification, Declassification, and Controlled Information

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.

Security Investigations

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.

Headquarters Security Operations

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.

Program Direction

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.

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. In FY 2013, HSS examined its Federal workforce and through workforce restructuring continued its effort to attract and retain the necessary skill sets to achieve its goals. This focus will continue in FY 2014 with an emphasis on nuclear safety, nuclear security, and cyber security professionals to accomplish the Department's independent oversight mission. The judicious use of contractor support continues to be a practical and cost-effective means of providing a surge pool of technical experts.

Technical Mission Support: Independent Oversight

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 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 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.

Technical Mission Support: Defense Nuclear Facilities Safety Board (DNFSB) Liaison Activities

Liaison activities facilitate the Department's interaction with the DNFSB.

Other Related Expenses

Other related expenses provide support required for HSS to accomplish its mission. Support includes working capital fund services; training for Federal employees; funding for information technology equipment and services and DOE common operating environment fees; and executive protection and other security-related equipment.

**Program Direction
Funding (\$K)**

Program Direction Summary

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request²	FY 2015 vs FY 2014 Enacted
Washington Headquarters					
Salaries and Benefits	57,596	58,829	58,829	—	-58,829
Travel	2,837	2,847	2,847	—	-2,847
Mission Support	13,795	26,179	26,179	—	-26,179
Other Related Expenses	17,438	18,444	18,444	—	-18,444
Total, Washington Headquarters	91,666	106,299	106,299	—	-106,299
National Training Center					
Salaries and Benefits	1,869	1,898	1,898	—	-1,898
Travel	63	63	63	—	-63
Other Related Expenses	41	41	41	—	-41
Total, National Training Center	1,973	2,002	2,002	—	-2,002
Total Program Direction					
Salaries and Benefits	59,465	60,727	60,727	—	-60,727
Travel	2,900	2,910	2,910	—	-2,910
Mission Support	13,795	26,179	26,179	—	-26,179
Other Related Expenses	17,479	18,485	18,485	—	-18,485
Total, Program Direction	93,639	108,301	108,301	—	-108,301
Federal FTEs	350	352	352	—	-352
Support Services and Other Related Expenses					
Technical Mission Support					
Independent Oversight Activities	13,495	25,879	25,879	—	-25,879
Defense Nuclear Facilities Safety Board Liaison Activities	300	300	300	—	-300
Total, Technical Mission Support	13,795	26,179	26,179	—	-26,179
Total, Mission Support	13,795	26,179	26,179	—	-26,179
Other Related Expenses					
Working Capital Fund	11,590	12,469	12,469	—	-12,469
Tuition/Training of Federal Staff	300	301	301	—	-301
Other Services Procured	5,589	5,715	5,715	—	-5,715
Total, Other Related Expenses	17,479	18,485	18,485	—	-18,485

² FY 2015 funding is included in the Independent Enterprise Assessments and Environment, Health, Safety and Security budget requests within the Other Defense Activities appropriation.

**Health, Safety and Security
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.

Costs for Direct-Funded Maintenance and Repair (including Deferred Maintenance Reduction) (\$K)

	FY 2013 Actual Costs	FY 2013 Planned Costs	FY 2014 Planned Costs	FY 2015 Planned Costs ³
National Training Center	424	252	457	—
Total, Direct-Funded Maintenance and Repair	424	252	457	—

Report on FY 2013 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 2013 to the amount planned for FY 2013, including congressionally authorized changes.

Total Costs for Maintenance and Repair (\$K)

	FY 2013 Actual Cost	FY 2013 Planned Cost
National Training Center	424	252
Total, Maintenance and Repair	424	252

³ FY 2015 funding is included in the Independent Enterprise Assessments budget request within the Other Defense Activities appropriation.

**Health, Safety and Security
Safeguards and Security (\$K)**

Protective Forces
 Physical Security Systems
 Information Security
 Cyber Security
 Personnel Security
 Program Management
 Safety & Security Training
 Security Investigations
Total, Safeguards and Security

FY 2013 Current	FY 2014 Enacted	FY 2015 Request	FY 2015 vs FY 2014 Enacted
22,692	23,892	0	-23,892
2,400	2,400	0	-2,400
8,707	8,707	0	-8,707
1,028	2,698	0	-2,698
1,800	2,000	0	-2,000
5,682	5,762	0	-5,762
14,500	15,000	0	-15,000
6,653	9,850	0	-9,850
63,462	70,309	0	-70,309

Environment, Health, Safety and Security

Overview

On February 12, 2014, the Secretary of Energy announced the next steps in the Department's reorganization plan to better focus the Energy Department's efforts on all four mission areas of the Department, including nuclear security, solving the Nation's energy challenges, advancing fundamental science and environmental stewardship. As part of this reorganization, the existing Office of Health, Safety and Security's health, safety, environment, and security policy, assistance, and corporate program activities as well as DOE Headquarters security operations will be integrated into the Office of the Under Secretary for Management and Performance under the Office of Environment, Health, Safety and Security. The FY 2015 funding for these realigned activities is included in this budget request.

Environment, Health, Safety and Security (AU) 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. AU provides clear policy, guidance and assistance, 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 environment, health, safety, and security.

AU assists the Department in achieving its mission in a safe, secure, environmentally responsible manner by integrating 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. This approach and functional alignment of responsibilities within AU prevents redundancy in reporting requirements, provides consistency in policy and guidance development and technical assistance, and increases the effectiveness of communication and accountability for worker health, safety, and security.

AU analyzes and adjusts priorities and activities based on emerging Departmental goals, significant Departmental events and program reviews. AU uses insights and findings from other Departmental elements, such as Independent Enterprise Assessments and the Inspector General, and external organizations' reviews, such as those from the Defense Nuclear Facilities Safety Board and the Government Accountability Office, to further refine strategies.

Highlights of the FY 2015 Budget Request

The FY 2015 budget request includes activities in support of the Department's insider threat program as outlined in Executive Order 13587 and the President's guidance in November 2012 in the form of the 'National Insider Threat Policy' and 'Minimum Standards for Executive Branch Insider Threat Programs.' The insider threat program cross-cuts several components of the Department of Energy and these efforts have been coordinated with those components. This budget justification shows only the funding needed to implement the AU share of the Insider Threat Program responsibilities.

**Environment, Health, Safety and Security
Funding (\$K)**

	FY 2013 Current¹	FY 2014 Enacted¹	FY 2014 Current¹	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Environment, Health, Safety and Security					
Environment, Health and Safety					
Worker Safety	—	—	—	4,346	+4,346
Nuclear Safety	—	—	—	5,696	+5,696
Environment	—	—	—	2,407	+2,407
Health Programs					
Domestic Health Programs					
Health Research	—	—	—	2,420	+2,420
Former Worker Medical Screening	—	—	—	19,850	+19,850
Employee Compensation Program	—	—	—	6,340	+6,340
International Health Programs					
Russian Health Studies	—	—	—	2,750	+2,750
Japanese Health Studies	—	—	—	14,000	+14,000
Marshall Islands Program	—	—	—	6,300	+6,300
Total, Health Programs	—	—	—	51,660	+51,660
Total, Environment, Health and Safety	—	—	—	64,109	+64,109
Security					
Insider Threat Program	—	—	—	2,000	+2,000
Security Operational Support	—	—	—	5,762	+5,762
Classification, Declassification and Controlled Information	—	—	—	8,457	+8,457
Security Investigations	—	—	—	7,445	+7,445
Headquarters Security Operations	—	—	—	30,990	+30,990
Total, Security	—	—	—	54,654	+54,654
Total, Environment, Health, Safety and Security	—	—	—	118,763	+118,763
Program Direction	—	—	—	62,235	+62,235
Total, Environment, Health, Safety and Security	—	—	—	180,998	+180,998

¹ FY 2013 and FY 2014 funding for these activities is included in the Health, Safety and Security budget within the Other Defense Activities appropriation.

Environment, Health, Safety and Security
Explanation of Major Changes (\$K)

FY 2015 vs FY 2014 Enacted

Environment, Health, Safety and Security: Funding was transferred from Health, Safety and Security within the Other Defense Activities.

+180,998

Total, Environment, Health, Safety and Security

+180,998

Environment, Health and Safety

Description

The Environment, 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; protection of the environment and cultural and natural resources; and quality assurance. Environment, 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 Assistance Center/Training Site; and operating the Filter Test Facility. Corporate databases, such as those pertaining to accidents and illnesses, occurrence reporting, radiation monitoring and dose assessment, safety basis information, and hazardous substances inventories are maintained and used to support analyses of health and safety performance for senior management.

Environment, Health and Safety provides technical support for the implementation of Department-wide safety and environmental programs such as the DOE Federal occupational safety and health program, the voluntary protection program which encourages and rewards safety performance that exceeds industry averages through universally recognized certifications, environmental management systems which support sustainable practices that promote pollution prevention, greenhouse gas reduction, and effective resource utilization, and radiological clearance and control programs for the safe reuse and recycle of DOE equipment and materials and radiological release of lands and buildings. 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 evaluation and documentation of health effects and 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.

In FY 2015, Environment, Health and Safety will continue:

1. Developing cost-effective solutions for achieving best-in-class safety performance founded on integrated safety management and enhanced through such concepts as safety culture, voluntary protection, and environmental management systems.
2. 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.

Worker Safety

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 thus assuring that work is conducted with a full understanding of health- and safety-related risks, controls necessary to mitigate those risks are implemented, and worker compensation liabilities are minimized and/or avoided. Funding provides for the maintenance of existing standards and the development of new requirements based on new or evolving working conditions; technical assistance to DOE programs, laboratories, and sites in implementing health and safety requirements and programs; promotion of improvements in overall safety culture; and implementation of corporate health- and safety-related programs and information technology systems. Funding also provides for collecting, analyzing, and trending operational data to identify strengths and weaknesses of safety programs in support of continuous improvement in safety performance.

Nuclear Safety

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 design and 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. Nuclear safety provides assistance to field elements in implementing requirements and resolving issues; and provides oversight of DOE nuclear operations and facilities.

Environment

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 to ensure DOE's environmental radiation protection program is consistent with the Department's risk management strategies and national and international radiation protection standards associated with the management of DOE radioactive wastes and associated property. Funding supports programs that provide assurance that environmental monitoring and sampling data meet DOE data quality objectives and ensures computer codes that are used to demonstrate compliance with DOE public and environmental protection requirements are appropriate and employ the best science. Funding also supports the development and maintenance of plans, models, and guidance to respond to radiological- and nuclear-related emergencies.

Domestic Health Programs: Health Research

Domestic health research activities provide for the conduct of health studies on DOE workers and communities surrounding DOE sites, technical assistance to DOE Programs in addressing specific health issues, support to national assets used to respond to radiological events throughout the country, and expertise to support national and international efforts in response to disease outbreaks. These activities also support the maintenance of the electronic comprehensive epidemiologic data resource and the beryllium and U.S. transuranium and uranium registries; and access to the data these systems contain.

Domestic Health Programs: Former Worker Medical Screening

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.

Domestic Health Programs: Employee Compensation Program

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.

International Health Programs: Russian Health Studies

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.

International Health Programs: Japanese Health Studies

The Japanese health studies activity supports the Radiation Effects Research Foundation, managed through 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 that are used as a basis for the development of radiation standards.

International Health Programs: Marshall Islands Program

The Marshall Islands program provides for medical surveillance and treatment of Marshallese citizens affected by the nuclear weapons testing conducted by the United States in the Pacific Ocean between 1946 and 1958. The program also provides for environmental monitoring in support of safe resettlement of four atolls affected by the testing. The work is performed as required by the Compact of Free Association Acts of 1986 and 2003 between the United States and the Republic of the Marshall Islands and the Insular Areas Act of 2011 requiring enhanced monitoring of Runit Island Nuclear Waste Containment Structure beginning in FY 2013.

Health and Safety

Activities and Explanation of Changes

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Worker Safety		
	<ul style="list-style-type: none"> • 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; • Provide technical assistance to DOE programs, laboratories, and sites in the implementation of health and safety requirements and programs; • Promote the implementation of the DOE voluntary protection program, which encourages and rewards safety performance that exceeds industry averages; • 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; • 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; • 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 	<p>Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.</p>

¹ FY 2014 funding for these activities is included in the Health, Safety and Security budget within the Other Defense Activities appropriation.

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>monitoring of individual occupational radiation exposure records for DOE employees, contractors, and subcontractors, as well as members of the public who visit DOE sites;</p> <ul style="list-style-type: none"> • 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; • 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; • Provide information to DOE operating entities regarding operating experience, lessons learned, and suspect, defective, and counterfeit items; • Provide overall program administration and assistance, including training, to DOE program offices in support of implementing the Department's accident investigation program, which provides for independent Federal investigations of high-consequence incidents involving worker fatalities or serious injuries, acute exposures to radiation or chemicals, environmental releases, or significant loss of capital assets. Upon request or as directed by DOE leadership, assist DOE program offices in conducting specific accident investigations; and • Maintain corporate health- and safety-related information management technology systems, 	

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	such as the Computerized Accident/Incident Reporting System, the Occurrence Reporting and Processing System, the Radiation Exposure Monitoring System, and the lessons learned system.	
Nuclear Safety	<ul style="list-style-type: none"> • 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); • 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 technology, share nuclear safety research and development information across the Department, and coordinate the conduct of nuclear safety research and development activities; • 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; • Provide technical assistance to national standards development organizations in developing and maintaining nuclear safety and quality assurance consensus standards; • 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; 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<ul style="list-style-type: none"> • Facilitate continuous improvement to the DOE facility representative and safety system programs, supporting approximately 280 site office resident nuclear safety subject matter experts funded by and reporting to DOE line management; • Assist in funding and coordinating information exchanges in various safety concepts relevant to DOE including nuclear safety; safety and organizational culture, high reliability performance and human performance improvement; and probabilistic risk assessment 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; • 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; • 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; • 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 	

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<ul style="list-style-type: none"> 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. 	
Environment	<ul style="list-style-type: none"> 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 DOE activities and programs, when warranted; Provide technical assistance to DOE programs, laboratories, and sites in implementing sustainability, environmental protection, and public radiation protection requirements and programs; 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; 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; Review data from environmental reports required by Federal and state environmental protection agencies to validate adherence to reporting 	<p>Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.</p>

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>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;</p> <ul style="list-style-type: none"> • 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; • 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; • Administer the DOE environmental awards program such as the Green Buy Awards and the Migratory Birds Protection awards and support the Department in other sustainability awards programs that recognize DOE entities for outstanding achievement in sustainable environmental stewardship; • Provide assistance to and oversight of DOE site property radiological clearance and control programs to ensure the public and environment are protected from radiological harm associated with the use or disposition of DOE property; • Continue development and maintenance of 	

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>residual radioactivity models and codes that support evaluations and safe disposition of lands, structures, equipment, soil, and other material that may contain small amounts of residual radioactive material;</p> <ul style="list-style-type: none"> • Support development of Federal radiation protection policies and guidelines and consistent, cost effective implementation of radiation protection programs within DOE including the review, evaluation and implementation of the 2014 and 2015 updates to the recommendations of International Commission on Radiological Protection and associated revised Federal guidance for DOE regulations and directives; • Support the Center for Radiation Protection Knowledge at the Oak Ridge National Laboratory to ensure U.S. leadership in radiation dosimetry and risk assessment; and • 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 and support NNSA emergency response and preparedness activities associated with such incidents. 	
Domestic Health Programs	<p><i>Health Research</i></p> <ul style="list-style-type: none"> • Provide for the operation and maintenance of the electronic comprehensive epidemiologic data resource and the U.S. transuranium and uranium registries; • Provide funding support to the Radiation Emergency Assistance Center/Training Site, which provides medical expertise to DOE occupational medicine clinics, supplies chelating 	<p>Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.</p>

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>pharmaceuticals to treat radiation-exposed workers, and trains physicians to respond to radiological accidents anywhere in the United States;</p> <ul style="list-style-type: none"> • 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 • 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. 	
	<p><i>Former Worker Medical Screening</i></p> <ul style="list-style-type: none"> • Conduct site assessments to identify groups of at-risk former DOE Federal and contractor/subcontractor workers and DOE site-specific exposures; • Provide for outreach efforts to inform former workers of the availability and benefits of the program; • 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 seven cooperative agreements held by a consortia of universities, labor unions, and commercial organizations throughout the United States with expertise in administration of medical 	<p>Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.</p>

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>programs;</p> <ul style="list-style-type: none"> • 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 • Support the DOE central institutional review board, jointly funded with Science and the National Nuclear Security Administration, which reviews all medical screening programs funded by DOE and/or involving the DOE workforce to ensure that the risks to human participants are minimized and reasonable in relation to the anticipated benefits. 	
	<p><i>Employee Compensation Program</i></p> <ul style="list-style-type: none"> • 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; • 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; • 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 • Continue coordination and interface between former worker medical screening activities and EEOICPA activities, including identifying mechanisms for outreach to former workers and 	<p>Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.</p>

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	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.	
International Health Program		
	<p><i>Russian Health Studies</i></p> <ul style="list-style-type: none"> • 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; • Assess radiation health effects of ionizing radiation; and • Publish analyses of radiation health effects assessments. 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.
	<p><i>Japanese Health Studies</i></p> <ul style="list-style-type: none"> • Conduct epidemiologic studies and medical surveillance of the survivors of the atomic bombings of Hiroshima and Nagasaki; • Assess radiation health effects of ionizing radiation; and • Publish analyses of radiation health effects assessments. 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.
	<p><i>Marshall Islands Program</i></p> <ul style="list-style-type: none"> • Conduct whole-body counting and plutonium urinalyses to measure individual exposure to radionuclides; • Conduct comprehensive annual screening examinations; • Provide medical care for specified Marshallese; and • Provide environmental monitoring services in support of resettlement activities. 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.

Security

Description

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 programs 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. 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.

In FY 2015, Security will continue enhancing the protection of national security assets entrusted to the Department through cost-effective security solutions that are consistent with successful mission accomplishment.

Insider Threat Program

The DOE insider threat program is intended to deter cleared employees from becoming insider threats; detect insiders who pose a risk to classified information; and mitigate the risks through administrative, investigative or other response actions. AU, as directed by the Secretary, has designated a Senior Insider Threat Official to provide guidance and oversight for the Insider Threat Program and to identify and advise the Secretary on resource needs for the program and identify the resources already in place within the Department in support of implementing the requirements established by Executive Order 13587. The insider threat program cross-cuts several components of the Department of Energy and these efforts have been coordinated with those components. This budget justification shows only the funding needed to implement AU's share of the Insider Threat Program responsibilities.

Security Operational Support

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.

Classification, Declassification, and Controlled Information

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.

Security Investigations

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.

Headquarters Security Operations

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.

Security

Activities and Explanation of Changes

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Insider Threat Program		
	<ul style="list-style-type: none"> • Develop and maintain a robust program to deter, detect, and centrally analyze and respond to insider threats facing the Department; • Deploy information technology enabled techniques, detectors, and triggers on all DOE and NNSA classified and unclassified computer networks to identify anomalous activity; • Enhance existing information-sharing partnerships with law enforcement, intelligence, and community organizations; • Develop and implement insider threat program training in fundamentals of counterintelligence, security, agency procedures for insider threat response, as well as applicable laws and regulations on gathering, integrating, retaining, safeguarding and use of collected insider threat data; and • Produce an annual report for the Secretary to provide to the President. 	<p>Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.</p>
Security Operational Support		
	<ul style="list-style-type: none"> • 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; • Provide technical assistance to DOE programs, laboratories, and sites in implementing safeguards and security requirements and programs; • Provide technical support, training, and awareness materials for the security-related 	<p>Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.</p>

¹ FY 2014 funding for these activities is included in the Health, Safety and Security budget within the Other Defense Activities appropriation.

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>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;</p> <ul style="list-style-type: none"> • 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; • Operate, maintain, and perform data analysis of the electronic Safeguards and Security 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; • 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; • 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 	

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>impacts, and maintain the Security Technology Information Archive for the collection, storage, and dissemination of security technology cost, performance, safety, and implementation information; and</p> <ul style="list-style-type: none"> 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. 	
Classification, Declassification and Controlled Information		
	<ul style="list-style-type: none"> 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; 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>Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.</p>

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<ul style="list-style-type: none"> • Provide training and certification of DOE and other agency personnel in classification and information control programs and related areas; • Provide support to the National Declassification Center for review of 400 million pages in backlog at the National Archives and follow-on record collections; • 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 • 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. 	
Security Investigations	<ul style="list-style-type: none"> • 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; • Provide for the Office of Personnel Management to conduct most background investigations of DOE Headquarters Federal and contractor 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>employees. Funding provides for initial single-scope background investigations, periodic reinvestigations, and initial and reinvestigation national agency checks;</p> <ul style="list-style-type: none"> • 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; • Provide technical assistance to DOE programs, laboratories, and sites in implementing personnel security requirements and programs; • Conduct corporate-level access authorization adjudications (i.e., performing case reviews, conducting evaluations, and preparing decision packages), as necessary; • 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 • 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. 	
Headquarters Security Operations	<ul style="list-style-type: none"> • 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 	<p>Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.</p>

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>DOE Headquarters facilities and satellite facilities in Washington, DC, and Germantown, MD;</p> <ul style="list-style-type: none"> • 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; • Conduct performance testing of information control systems to ensure the protection of sensitive and classified information vital to both national and economic security; • 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; • 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; • 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 	

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>security;</p> <ul style="list-style-type: none"> • Implement Homeland Security Presidential Directive 12 requirements related to the secure and reliable identification of DOE Federal and contractor employees; • Provide technical support for the implementation of the DOE Headquarters security awareness and classified matter protection and control programs; • Administer the DOE Headquarters facility clearance registration and foreign ownership, control, or influence programs for contractors granted access to classified information; and • Conduct safeguards and security surveys, self-assessments, and program reviews to ensure that DOE Headquarters operations comply with Departmental and national-level requirements. 	

Program Direction

Overview

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

Technical Mission Support: Defense Nuclear Facilities Safety Board (DNFSB) Liaison Activities

Liaison activities facilitate the Department's interaction with the DNFSB.

Other Related Expenses

Other related expenses provide support required for AU to accomplish its mission. Support includes working capital fund services; training for Federal employees; funding for information technology equipment and services and DOE common operating environment fees; and executive protection and other security-related equipment.

**Program Direction
Funding (\$K)**

	FY 2013 Current¹	FY 2014 Enacted¹	FY 2014 Current¹	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Program Direction Summary					
Program Direction					
Salaries and Benefits	—	—	—	45,573	+45,573
Travel	—	—	—	1,665	+1,665
Mission Support	—	—	—	300	+300
Other Related Expenses	—	—	—	14,697	+14,697
Total, Program Direction	—	—	—	62,235	+62,235
Federal FTEs	—	—	—	260	+260
Support Services and Other Related Expenses					
Technical Mission Support					
Defense Nuclear Facilities Safety Board Liaison Activities	—	—	—	300	+300
Total, Technical Mission Support	—	—	—	300	+300
Total, Mission Support	—	—	—	300	+300
Other Related Expenses					
Working Capital Fund	—	—	—	10,055	+10,055
Tuition/Training of Federal Staff	—	—	—	223	+223
Other Services Procured	—	—	—	4,419	+4,419
Total, Other Related Expenses	—	—	—	14,697	+14,697

¹ FY 2013 and FY 2014 funding for these activities is included in the Health, Safety and Security budget within the Other Defense Activities appropriation.

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
	<ul style="list-style-type: none"> • Provide: corporate-level leadership and strategic vision to coordinate and integrate environment, health, safety, and security policy development and technical assistance; analysis; corporate safety and security programs including insider threat activities; quality assurance programs; executive protection; and effective cross-organizational coordination to resolve Defense Nuclear Facilities Safety Board-related technical and management issues necessary to ensure worker and public health and safety; • Manage the conduct of domestic and international health programs; • Implement physical and personnel security programs for DOE Headquarters facilities; and • Manage the U.S. Government-wide program to classify and declassify nuclear weapons-related technology and other national security information. 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.
Travel		
	<ul style="list-style-type: none"> • Management and conduct of environment, health, safety, and security programs for the Department; and • Executive protection activities for the Secretary, Deputy Secretary, and other dignitaries as assigned. 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.
Technical Mission Support		
<i>Defense Nuclear Facilities Safety Board (Board) Liaison Activities</i>	<i>Defense Nuclear Facilities Safety Board (Board) Liaison Activities</i>	<i>Defense Nuclear Facilities Safety Board (Board) Liaison Activities</i>
	<ul style="list-style-type: none"> • Promote resolution of recommendations and agreed-upon safety issues; 	Funding was transferred from Health, Safety and Security within the Other Defense Activities.

¹ FY 2014 funding for these activities is included in the Health, Safety and Security budget within the Other Defense Activities appropriation.

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<ul style="list-style-type: none"> • Provide requested reports on nuclear safety issues; • Provide ready access to such facilities, personnel, and information as are necessary for the Board to carry out its responsibilities; • Provide technical evaluation and analysis of safety and management issues identified by the Board; Provide advice and support to DOE line managers on addressing and resolving such issues; and • Monitor Department-wide performance in addressing issues raised by the Board. 	<p>appropriation</p>
Other Related Expenses		
	<ul style="list-style-type: none"> • Working capital fund fees, based on guideline estimates issued by the working capital fund manager, for the cost of common administrative services such as building occupancy and alterations, computer and telephone infrastructure and usage, mail service, copying, printing and graphics, procurement closeouts, supplies, online learning, computer network support, and payroll processing; • Federal employee training to obtain and/or maintain the technical competence of Federal employees, assuring that Federal personnel are fully capable of performing current and future missions of the Department; • The DOE common operating environment initiative that provides a single point of contact for all common information technology systems and services and brings security, service, efficiency, and scale to these projects; • Information technology investments that support Headquarters Federal and contractor staff with hardware, software, hotline, and other desktop computer maintenance support on per-user count and level of service; 	<p>Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.</p>

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
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- Information technology systems exclusive to AU such as the classified local area network that includes a Secret/Restricted Data network that supports Headquarters users and the Secret Internet Protocol Router Network that provides access to the Department of Defense classified network to effect coordination between the two departments;
- Executive protection services to the Secretary of Energy and others designated by the Secretary; and the conduct of inquiries and investigations into significant matters of security concern; and
- Specialized security equipment and services.

**Environment, Health, Safety and Security
Safeguards and Security (\$K)**

	FY 2013 Current	FY 2014 Enacted	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Protective Forces	0	0	23,410	+23,410
Physical Security Systems	0	0	2,400	+2,400
Information Security	0	0	8,457	+8,457
Cyber Security	0	0	5,180	+5,180
Personnel Security	0	0	2,000	+2,000
Program Management	0	0	5,762	+5,762
Safety & Security Training	0	0	0	0
Security Investigations	0	0	7,445	+7,445
Total, Safeguards and Security	0	0	54,654	+54,564

Independent Enterprise Assessments

Overview

On February 12, 2014, the Secretary of Energy announced the next steps in the Department's reorganization plan to better focus the Energy Department's efforts on all four mission areas of the Department, including nuclear security, solving the Nation's energy challenges, advancing fundamental science and environmental stewardship. As part of this reorganization, the existing Office of Health, Safety and Security's independent oversight, enforcement, safety and security training, and outreach activities will comprise the Office of Independent Enterprise Assessments (IEA) reporting directly to the Office of the Secretary. The FY 2015 funding for these realigned activities is included in this budget request.

The mission of IEA is to provide the Secretary, Deputy Secretary and DOE leadership with independent oversight and evaluation of the effectiveness of DOE policies and line management performance in the areas of nuclear and worker safety, physical and cyber security, and other areas as directed by the Secretary. IEA provides a long-term view of performance and will institutionalize an assessment process using an efficient systematic process that emphasizes performance and performance testing; the conduct of follow-up activities to determine the effectiveness of corrective actions; and, the promotion of line management self-assessment activities thereby enhancing overall performance in safety, security, and other programs as directed by the Secretary of Energy.

IEA provides the Secretary with comprehensive analyses of critical high hazard operations and the highest priority safeguards and security interests and provides recommendations on how best to remediate issues and/or share successful best practices. IEA conducts evaluations to verify that the Department's safeguards and security interests are protected; the Department can effectively respond to emergencies; and that site workers, the public and the environment are protected from hazardous operations and materials. IEA is organizationally independent of the DOE offices that develop and implement policy and programs, and therefore, can objectively observe and report on these policies and programs as they relate to Departmental operations.

In addition to independent assessments of DOE's program and site operations, IEA provides the Department with an expanded investigative capability to conduct enforcement functions in the areas of worker safety and health, nuclear safety, and classified information security, complementing the Department's self reporting mechanisms and providing an integrated, alternative source of discovery of violations. IEA also operates the DOE National Training Center to ensure the timely incorporation of lessons learned from inspections, reviews, and assessments into training courses. IEA also conducts outreach activities with labor unions, other U.S. government entities, private sector industrial and education organizations to inform the Secretary of outside inputs/positions as well as to drive appropriate outcomes.

**Independent Enterprise Assessments
Funding (\$K)**

	FY 2013 Current¹	FY 2014 Enacted¹	FY 2014 Current¹	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Independent Enterprise Assessments					
Outreach	—	—	—	500	+500
Nuclear Safety Oversight	—	—	—	6,621	+6,621
Enforcement	—	—	—	1,947	+1,947
National Training Center	—	—	—	15,000	+15,000
Total, Independent Enterprise Assessments	—	—	—	24,068	+24,068
Program Direction	—	—	—	49,466	+49,466
Total, Independent Enterprise Assessments	—	—	—	73,534	+73,534

¹ FY 2013 and FY 2014 funding for these activities is included in the Health, Safety and Security budget within the Other Defense Activities appropriation.

Independent Enterprise Assessments
Explanation of Major Changes (\$K)

FY 2015 vs FY 2014 Enacted

Independent Enterprise Assessments: Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.	+73,534
Total, Independent Enterprise Assessments	+73,534

Independent Enterprise Assessments

Description

The IEA program provides the Secretary, Deputy Secretary and DOE leadership with evaluation of the effectiveness of DOE policies and line management performance in the areas of nuclear and worker safety and classified information physical and cyber security. IEA provides a long-term view of performance and institutionalizes an assessments process using an efficient systematic process that emphasizes performance and performance testing; the conduct of follow-up activities to determining the effectiveness of corrective actions; and, promoting line management self-assessment activities thereby enhancing overall performance in safety and security.

IEA provides the Department with an expanded investigative capability to conduct enforcement functions in the areas of worker safety and health, nuclear safety, and classified information security, complementing the Department's self reporting mechanisms and providing an integrated, alternative source of discovery of violations. IEA also operates the DOE National Training Center to ensure the timely incorporation of lessons learned from inspections, reviews and assessments into training courses. IEA conducts outreach activities with labor unions, other U.S. government entities, private sector industrial and education organizations to inform the Secretary of outside inputs/positions as well as to drive appropriate outcomes.

In FY 2015, IEA will:

1. Provide relevant training and professional development programs through the National Training Center and foster the expansion of the reciprocity program whereby certified safety training programs are recognized by other DOE contractors and sites.
2. Promulgate a corporate approach of openness and collaboration with management, workers, unions, and other interested parties to address complex health, safety, and security issues.

Outreach

Establishes and maintains collaborative relationships with organizations both internal and external to DOE in order to foster improvements in health, safety, environmental and security performance at DOE sites.

Nuclear Safety Oversight

Provides for the conduct of independent oversight assessments of high hazard nuclear facility (as defined in 10 C.F.R. 830) construction projects to ensure compliance with nuclear safety requirements; and DOE nuclear facilities and operations to ensure compliance with nuclear safety requirements.

Enforcement

DOE's worker safety and health, nuclear safety, and classified information security enforcement activities implement 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 Assessments 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 requirements, 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.

Safety and Security Training

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.

Independent Enterprise Assessments

Activities and Explanation of Changes

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Outreach		
	<ul style="list-style-type: none"> Establish and maintain collaborative relationships with organizations both internal and external to DOE in order to foster improvements in health, safety, environmental and security performance at DOE sites. 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.
Nuclear Safety Oversight		
	<ul style="list-style-type: none"> 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; and Provide independent oversight of DOE nuclear facilities and operations to ensure compliance with nuclear safety requirements. 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.
Enforcement		
	<ul style="list-style-type: none"> Review and analyze operational data from the 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; Conduct regulatory reviews; Conduct enforcement investigations; Develop and issue enforcement actions and other regulatory outcomes, such as notices of violation, enforcement letters, consent orders, and 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.

¹ FY 2014 funding for these activities is included in the Health, Safety and Security budget within the Other Defense Activities appropriation.

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>compliance orders, and assess civil penalties or other sanctions for regulatory violations; and</p> <ul style="list-style-type: none"> • 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. 	
Safety & Security Training	<ul style="list-style-type: none"> • 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 ; • 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; and • 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. 	<p>Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.</p>

Program Direction

Overview

Program Direction provides for Federal staffing and mission support services to provide overall direction and execution of the IEA mission to conduct expert evaluations of management performance in safety, security and other areas; implement health and safety, nuclear safety, and classified information security enforcement programs; develop and administer safety and security training that reflects the most current Departmental policy on safety and security issues; and establish and maintain collaborative relationships with organizations both internal and external to DOE in order to foster improvements in health, safety, environmental and security performance at DOE sites.

Critical to achieving its vision and goals is the ability of IEA to maintain a highly qualified workforce with the expertise and skills necessary to support, manage, and conduct its mission. The IEA 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.

Technical Mission Support: Independent Oversight

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 assessments 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 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 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.

Other Related Expenses

Other related expenses provide support required for IEA to accomplish its mission. Support includes working capital fund services; training for Federal employees; funding for information technology equipment and services, and DOE common operating environment fees.

**Program Direction
Funding (\$K)**

Program Direction Summary

	FY 2013 Current¹	FY 2014 Enacted¹	FY 2014 Current¹	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Washington Headquarters	—	—	—		
Salaries and Benefits	—	—	—	14,198	+14,198
Travel	—	—	—	1,172	+1,172
Mission Support	—	—	—	27,879	+27,879
Other Related Expenses	—	—	—	4,185	+4,185
Total, Washington Headquarters	—	—	—	47,434	+47,434
National Training Center	—	—	—		
Salaries and Benefits	—	—	—	1,928	+1,928
Travel	—	—	—	63	+63
Other Related Expenses	—	—	—	41	+41
Total, National Training Center	—	—	—	2,032	+2,032
Total Program Direction	—	—	—		
Salaries and Benefits	—	—	—	16,126	+16,126
Travel	—	—	—	1,235	+1,235
Mission Support	—	—	—	27,879	+27,879
Other Related Expenses	—	—	—	4,226	+4,226
Total, Program Direction	—	—	—	49,466	+49,466
Federal FTEs	—	—	—	92	+92
Support Services and Other Related Expenses					
Technical Mission Support	—	—	—		
Independent Oversight Activities	—	—	—	27,879	+27,879
Total, Technical Mission Support	—	—	—	27,879	+27,879
Total, Mission Support	—	—	—	27,879	+27,879
Other Related Expenses					
Working Capital Fund	—	—	—	2,852	+2,852
Tuition/Training of Federal Staff	—	—	—	78	+78
Other Services Procured	—	—	—	1,296	+1,296
Total, Other Related Expenses	—	—	—	4,226	+4,226

¹ FY 2013 and FY 2014 funding for these activities is included in the Health, Safety and Security budget within the Other Defense Activities appropriation.

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
	<ul style="list-style-type: none"> Federal staffing and mission support services to provide overall direction and execution of the IEA mission to conduct expert evaluations of management performance in safety, security and other areas; implement health and safety, nuclear safety, and classified information security enforcement programs; develop and administer safety and security training that reflects the most current Departmental policy on safety and security issues; and establish and maintain collaborative relationships with organizations both internal and external to DOE in order to foster improvements in health, safety, environmental and security performance at DOE sites. 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.
Travel		
	<ul style="list-style-type: none"> Management and conduct of IEA activities for the Department. 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.
Technical Mission Support		
	<p><i>Independent Oversight Activities</i></p> <ul style="list-style-type: none"> 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; 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 	Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.

¹ FY 2014 funding for these activities is included in the Health, Safety and Security budget within the Other Defense Activities appropriation.

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
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specialty trained composite adversary team to assess overall security effectiveness;

- Conduct announced and unannounced internal and external network penetration testing to provide a full understanding of a site’s cyber security protection posture;
- Conduct the annual independent evaluation of classified information systems security programs for DOE as required by the Federal Information Security Management Act;
- 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;
- Provide input to the DOE Office of Inspector General for the annual evaluation of the DOE unclassified information systems security program;
- Conduct annual “red team” cyber security assessments of the computer networks within the National Nuclear Security Administration weapons laboratories;
- Conduct independent oversight of high hazard nuclear facility construction projects to ensure compliance with nuclear safety requirements;
- Conduct targeted reviews of selected nuclear safety functional areas across the DOE complex based on such factors as performance trends, changes to applicable requirements, and/or performance information gaps;
- Maintain the nuclear safety site lead program to monitor the status of DOE nuclear facilities and activities and facilitate the selection and execution of risk-informed oversight activities;
- Conduct special reviews and studies of safety and security policies, programs, and implementation to identify needed program corrections;
- Develop reports identifying findings and

FY 2014 Enacted ¹	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>opportunities for improvement;</p> <ul style="list-style-type: none"> • Conduct follow-up reviews to evaluate corrective action effectiveness ; and • Provide lessons learned and trending of inspection results to the National Training Center to be used to develop or amend safety and security curricula. 	
Other Related Expenses		
	<ul style="list-style-type: none"> • Working capital fund fees, based on guideline estimates issued by the working capital fund manager, for the cost of common administrative services such as building occupancy and alterations, computer and telephone infrastructure and usage, mail service, copying, printing and graphics, procurement closeouts, supplies, online learning, computer network support, and payroll processing; • Federal employee training to obtain and/or maintain the technical competence of IEA Federal employees, assuring that Federal personnel are fully capable of performing missions of the Department; and • The DOE common operating environment initiative that provides a single point of contact for all common information technology systems and services and brings security, service, efficiency, and scale to these projects. 	<p>Funding was transferred from Health, Safety and Security within the Other Defense Activities appropriation.</p>

**Independent Enterprise Assessments
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.

Costs for Direct-Funded Maintenance and Repair (including Deferred Maintenance Reduction) (\$K)

	FY 2013 Actual Costs ¹	FY 2013 Planned Costs ¹	FY 2014 Planned Costs ¹	FY 2015 Planned Costs
National Training Center	—	—	—	459
Total, Direct-Funded Maintenance and Repair	—	—	—	459

Report on FY 2013 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 2013 to the amount planned for FY 2013, including congressionally authorized changes.

Total Costs for Maintenance and Repair (\$K)

	FY 2013 Actual Cost ¹	FY 2013 Planned Cost ¹
National Training Center	—	—
Total, Maintenance and Repair	—	—

¹ FY 2013 and FY 2014 funding for these activities is included in the Health, Safety and Security budget within the Other Defense Activities appropriation.

**Environment, Health, Safety and Security
Safeguards and Security (\$K)**

FY 2013 Current	FY 2014 Enacted	FY 2015 Request	FY 2015 vs FY 2014 Enacted
0	0	15,000	+15,000
0	0	15,000	+15,000

Safety & Security Training
Total, Safeguards and Security

Legacy Management

Overview

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 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 Department's 2014-2018 Strategic Plan to complete environmental remediation of our legacy and active sites. The mission of LM achieves the Strategic Plan goal of Management and Performance: Position the Department of Energy (DOE) to meet the challenges of the 21st century and the Nation's Manhattan Project and Cold War legacy responsibilities by employing effective management and refining operational and support capabilities to pursue departmental missions.

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

Highlights of the FY 2015 Budget Request

LM will continue its activities at approximately the same level as FY 2014. The funding levels of the program request will allow LM to conduct monitoring and associated activities at its sites and pay the post-retirement benefits of eligible former contractor employees.

**Legacy Management
Funding (\$K)**

Legacy Management

Legacy Management

Long-Term Surveillance and Maintenance
 Environmental Justice
 Archives and Information Management
 Pension and Benefit Continuity
 Asset Management

Total, Legacy Management

Program Direction

Total, Legacy Management

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
	39,708	46,205	46,205	46,051	-154
	1,303	1,303	1,303	1,303	0
	15,457	14,158	14,158	13,967	-191
	77,799	92,374	92,374	88,200	-4,174
	10,336	9,231	9,231	9,118	-113
Total, Legacy Management	144,603	163,271	163,271	158,639	-4,632
Program Direction	11,096	13,712	13,712	13,341	-371
Total, Legacy Management	155,699	176,983	176,983	171,980	-5,003

Legacy Management
Explanation of Major Changes (\$K)

FY 2015 vs FY 2014 Enacted

-4,632

Legacy Management: Funding requirements for Pension and Benefit Continuity have decreased due to a decrease in estimated medical costs.

Program Direction: No significant change. LM will add one FTE during FY 2015.

-371

Total, Legacy Management

-5,003

Legacy Management

Description

The Legacy Management (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 post-retirement benefits for former contractor workers. By funding the long-term activities in the LM subprogram, other DOE programs are able to concentrate on risk reduction and site closure.

Long-Term Surveillance and Maintenance

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 maintains the sites to ensure the cleanup remains protective of human health and the environment. Site conditions must meet the regulatory requirements established by state and Federal agencies in cooperation with local Governments, Tribal Nations, and public stakeholders.

The funding requested for FY 2015 will allow LM to manage 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, inspection of institutional controls, stakeholder involvement, and security.

Funding for this activity is required to meet legal and regulatory requirements 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 2013 - \$178K; FY 2014 - \$144K; and FY 2015 - \$160K.

Environmental Justice

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. LM provides a leadership role, coordinates EJ activities within the Department, and represents the Department in interagency planning and activities.

The FY 2015 funding continues actions under a Memorandum of Understanding (MOU) that includes participation from 17 Federal agencies to work collaboratively with communities to increase their ability to sustain a healthy quality of life.

Archives and Information Management

LM is the custodian of legacy physical and electronic records for LM sites including the major closure sites of Fernald, Mound, and Rocky Flats. LM is responsible for approximately 114,000 cubic feet of physical records and 199 terabytes of electronic files. LM's responsibility in this area includes the management of the records and information systems (e.g., the Licensing Support Network) associated with the Yucca Mountain site.

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 media, 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 1,400 information requests each year.

This activity also provides LM's information management and technology needs. 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, operating systems, 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 2013 - \$869K; FY 2014 - \$771K; and FY 2015 - \$784K.

Pension and Benefit Continuity

This activity fulfills the Department's commitment to its former contractor employees from closure sites and certain employees from other 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 their pension plan benefits and post-retirement benefits (PRB) per the contractual agreements. Dependent upon the contract provisions for the respective sites, LM provides former contractor employees with all or some of the following benefits: pension fund contributions, health insurance, Medicare Part B, and life insurance.

In FY 2015, 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).

The number of participants – in some cases, including spouses – in the pension and/or benefits plans is ~11,000. The total number of participants is expected to decrease over time due to a closed participant population and normal mortality.

Asset Management

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 environmental compliance – 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 enables resumption of local property taxes. Transfer of excess assets to non-DOE ownership is a priority. LM has a target to transfer one property by the end of FY 2015. The reduced cost of managing LM leases has contributed to relatively constant funding requirements.

This activity also includes management of lease tracts for uranium mining on selected Federal lands in Colorado. By managing lands 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 savings and other resource conservation measures in the operation of LM's facilities.

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 2013 - \$522K; FY 2014 - \$642K; and FY 2015 - \$552K.

Legacy Management

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Long Term Surveillance and Maintenance		
<ul style="list-style-type: none"> • Conduct surveillance and maintenance at 92 sites. • Accept responsibility for 3 additional sites. • Conduct needed actions to prepare for transfer of future sites. 	<ul style="list-style-type: none"> • Conduct surveillance and maintenance at 96 sites. • Accept responsibility for 4 additional sites. • Conduct needed actions to prepare for transfer of future sites. 	No significant change.
Environmental Justice		
<ul style="list-style-type: none"> • Continue EJ functions as the Departmental focus for that program element. • Promote EJ functions in the communities affected by DOE closure actions. 	<ul style="list-style-type: none"> • Continue EJ functions as the Departmental focus for that program element. • Promote EJ functions in the communities affected by DOE closure actions. 	No change.
Archives and Information Management		
<ul style="list-style-type: none"> • Continue records/IT management functions for all sites and activities. • Accept responsibility for records/IT for sites transferred to LM during the fiscal year. 	<ul style="list-style-type: none"> • Continue records/IT management functions for all sites and activities. • Accept responsibility for records/IT for sites transferred to LM during the fiscal year. 	No significant change.
Pension and Benefit Continuity		
<ul style="list-style-type: none"> • Continue to pay pensions and/or PRB for 8 sites. 	<ul style="list-style-type: none"> • Continue to pay pensions and/or PRB for 8 sites. 	Mortality and shifting participants into Medicare have offset medical inflation. Medical inflation rates have decreased.
Asset Management		
<ul style="list-style-type: none"> • Continue asset management support for 92 existing sites. • Add 3 sites by the end of FY 2014. • Manage infrastructure and facilities at LM sites. • Continue management of the Uranium Leasing program. • Continue efforts in the DOE sustainability initiative. • Continue to increase and manage beneficial reuse initiatives at sites available for reuse. • Disposition of 2 properties during FY 2014. 	<ul style="list-style-type: none"> • Continue asset management support for 96 existing sites. • Add 4 sites by the end of FY 2015. • Manage infrastructure and facilities at LM sites. • Continue management of the Uranium Leasing program. • Continue efforts in the DOE sustainability initiative. • Continue to increase and manage beneficial reuse initiatives at sites available for reuse. • Disposition of 1 property during FY 2015. 	No significant change.

**Legacy Management
Performance Measures**

In accordance with the GPRA Modernization Act of 2010, the Department sets targets for, and tracks progress toward, achieving performance goals for each program. For more information, refer to the Department's FY 2013 Annual Performance Report.

	FY 2013	FY 2014	FY 2015
Performance Goal (Measure)	Conduct surveillance and maintenance actions at all sites within LM's responsibility to ensure the effectiveness of cleanup remedies in accordance with legal agreements or identify sites subject to additional remedial action.		
Target	89 sites	92 sites	96 sites
Result	89 sites	Not applicable	Not applicable
Endpoint Target	Inspections will continue indefinitely. Inspection of 100 percent of the sites will continue to be the goal.		
<hr/>			
Performance Goal (Measure)	Reduce the cost of performing long-term surveillance and maintenance activities by 2 percent per year based on an independently reviewed baseline.		
Target	2 percent reduction below the baseline	2 percent reduction below the baseline	2 percent reduction below the baseline
Result	11.8 percent reduction below the baseline	Not applicable	Not applicable
Endpoint Target	Cost efficiencies will be realized each year while meeting all regulatory requirements to protect human health and the environment.		

Program Direction

Overview

The LM mission is carried out by a workforce composed mainly of contractors paid mostly from program funds. Oversight, policy, and inherently governmental functions (e.g., contract administration and budget formulation and execution) are provided by a Federal workforce funded from program direction. Within the program direction subprogram, most costs are associated with Federal personnel salaries and benefits.

LM was designated as an HPO in 2007. Since 2007, LM has limited the number of Federal Full Time Equivalents (FTEs) to levels negotiated with OMB. The total FTEs have fluctuated due to the addition or reduction of functions. The FY 2015 Request includes one additional FTE to meet growing site management responsibilities.

Highlights of the FY 2015 Budget Request

During FY 2015, LM will add one FTE due to additional site responsibility. Efficiencies in other program direction elements will allow LM to add this FTE without increasing the program direction request.

**Program Direction
Funding (\$K)**

FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
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Program Direction Summary

Washington Headquarters

Salaries and Benefits	8,500	9,906	9,906	10,100	+194
Travel	508	508	508	508	0
Support Services	746	985	985	758	-227
Other Related Expenses	1,342	2,313	2,313	1,975	-338
Total, Program Direction	11,096	13,712	13,712	13,341	-371
Federal FTEs	61	62	62	63	+1

Support Services and Other Related Expenses

Support Services

Technical Support					
System Definition	100	120	120	110	-10
Total, Technical Support	100	120	120	110	-10
Management Support					
Manpower Systems Analysis	100	136	136	125	-11
Training and Education	82	102	102	70	-32
Analysis of DOE Management Processes	120	165	165	110	-55
Reports and Analyses Management and General Administrative Support	344	462	462	343	-119
Total Management Support	646	865	865	648	-217
Total, Support Services	746	985	985	758	-227
Other Related Expenses					
Other Services and Supplies	50	292	292	250	-42
DOE/COE	192	130	130	132	+2
Working Capital Fund	1,100	1,891	1,891	1,593	-298
Total, Other Related Expenses	1,342	2,313	2,313	1,975	-338

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
Federal staff will perform functions to ensure the objectives under each LM program goal are met. Often the functions include oversight, audit, and policy development for contractors' activities.	Continue functions to manage LM's activities in order to achieve LM's program goals.	The increase will allow normal promotions, within grade increases, and one additional FTE.
Travel		
Travel enables staff to conduct necessary surveillance and maintenance functions, business and site operations, oversight, and related activities.	Continue to conduct necessary functions without an increase in travel.	No change.
Support Services		
Support services assist in the preparation of both routine and extraordinary reports. In addition, contractual support assists with staff training.	Continue in an effort to prepare more analyses and reports with Federal staff. Some training will be done by Federal staff.	The decrease reflects the shift of functions from contractor to Federal staff.
Other Services and Supplies		
Other services include LM's contribution to the DOE Working Capital Fun; as well as expenses not encompassed by the fund, supplies, computer software and hardware, and the Department's computer support.	Continue with procuring services and supplies at relatively the same level with the exception of the working capital fund.	FY 2014 included a one-time increase for an audit of a support contractor whose contract was ending. Some savings are also anticipated in supply purchases.

**Legacy Management
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.

Costs for Direct-Funded Maintenance and Repair (including Deferred Maintenance Reduction) (\$K)

	FY 2013 Actual Cost	FY 2013 Planned Cost	FY 2014 Planned Cost	FY 2015 Planned Cost
Office of Legacy Management				
CERCLA Sites	2,063	1,791	1,442	2,771
	1,008			
Non-CERCLA Sites		901	860	1,090
Total, Direct-Funded Maintenance and Repair	3,071	2,692	2,302	3,861

Report on FY 2013 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 2013 to the amount planned for FY 2013, including Congressionally directed changes.

**Legacy Management
Safeguards and Security (\$K)**

Protective Forces
 Physical Security Systems
 Information Security
 Cyber Security
 Personnel Security
 Material Control and Accountability
 Program Management
 Security Investigations
Total, Safeguards and Security

FY 2013 Current	FY 2014 Enacted	FY 2015 Request	FY 2015 vs FY 2014 Enacted
533	585	532	-53
105	123	113	-10
5	6	6	0
869	771	784	+13
31	40	33	-7
0	0	0	0
26	32	28	-4
0	0	0	0
1,569	1,557	1,496	-61

Idaho Sitewide Safeguards and Security

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. To better align the S&S funding with INL infrastructure and R&D programs, the S&S program transferred to the Nuclear Energy appropriation in FY 2014.

Highlights of the FY 2015 Budget Request

No funding is requested for this program in FY 2015 within the Other Defense Activities Appropriation. Funding for this program transferred to the Nuclear Energy Appropriation starting in FY 2014.

**Idaho Sitewide Safeguards and Security
Funding (\$K)**

	FY 2013 Current¹	FY 2014 Enacted²	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Idaho Sitewide Safeguards and Security					
Protective Forces	52,054	0	0	0	0
Security Systems	9,916	0	0	0	0
Information Systems	3,112	0	0	0	0
Personnel Security	5,643	0	0	0	0
Material Control & Accountability	3,668	0	0	0	0
Program Management	4,988	0	0	0	0
Cyber Security	10,472	0	0	0	0
Total, Idaho Sitewide Safeguards and Security	89,853	0	0	0	0

¹ Funding level includes \$4.1m Appropriations Transfer.

² Funding for the Idaho S&S program transferred to the Nuclear Energy Appropriation in FY 2014.

Hearings and Appeals Program Direction

Overview

The Office of Hearings and Appeals (OHA) provides adjudicatory and conflict 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 work is defense-related and consists of the adjudication of security clearance cases that determine the fitness of employees to have access to special nuclear materials or classified national security information.

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, (v) and 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 Ombudsmen, a position created to help prevent and resolve barriers to technology transfer and thereby promote the commercialization of the Department's scientific discoveries, giving taxpayers a return on their investment in research, and promoting economic competitiveness and job creation. For its part, OHA uses technology to reduce costs and its carbon footprint.

Highlights of the FY 2015 Budget Request

The FY 2015 Budget Request asks for additional funding for OHA to fund increases in the Working Capital Fund, as well as for succession planning to replace key employees who will be retiring. The Request further ensures that OHA can continue to provide effective and timely adjudication services in support of DOE's security clearance cases and fund the Alternative Dispute Resolution functions.

FY 2013 Key Accomplishments

- Reduced the average processing time for security clearance cases (issuing a decision after the receipt of the hearing transcript) to 21 days, which is over 27 percent below OHA's average over the last five years.
- Reduced processing time for Freedom of Information Act appeals to 14 days, which is less than half that of the average from FYs 2004-2013.
- Achieved a settlement rate of 44 percent on the cases referred for mediation in the Office of Conflict Prevention and Resolution.

**Program Direction
Funding (\$K)**

FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
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Program Direction Summary

Washington Headquarters

Salaries and Benefits	2,833	3,832	3,832	4,181	+349
Travel	50	40	40	40	—
Support Services	—	—	—	—	—
Other Related Expenses	920	1,150	1,150	1,279	+129
Total, Program Direction	3,803	5,022	5,022	5,500	+478
Federal FTEs	24	24	22	22	-2

Support Services and Other Related Expenses

Other Related Expenses

DOECOE	120	145	145	165	+20
Working Capital Fund	800	1,005	1,005	1,114	+109
Total, Other Related Expenses	920	1,150	1,150	1,279	+129

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs. FY 2014 Enacted
Salaries and Benefits		
Supports current staffing level of 22 FTEs.	Supports staffing level of 22 FTEs.	Increase (+\$349) allows OHA to hire one staff support employee and one staff attorney to replace anticipated retirements through FY 2015.
Travel		
Supports travel to conduct security hearings at DOE field locations.	Continuation of FY 2014 activities.	No change in funding level.
Other Related Activities		
Funding supports the Working Capital Fund (WCF), which provides for shared service costs and Departmental overhead expenses.	Continuation of FY 2014 activities.	Increase (+\$129) allows OHA to provide support for expected WCF increases.

Department Of Energy
FY 2015 Congressional Budget
Funding By Appropriation By Site
(\$K)

Other Defense Activities	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Argonne National Laboratory			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	850
Health Safety and Security			
Health Safety and Security (All other)	940	850	0
Total, Argonne National Laboratory	940	850	850
Brookhaven National Laboratory			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	250
Health Safety and Security			
Health Safety and Security (All other)	118	250	0
Total, Brookhaven National Laboratory	118	250	250
Chicago Office			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	50
Health Safety and Security			
Health Safety and Security (All other)	84	50	0
Total, Chicago Office	84	50	50
Fernald Site			
Office of Legacy Management			
Legacy Management	15,287	16,802	16,202
Total, Fernald Site	15,287	16,802	16,202
Grand Junction Office			
Office of Legacy Management			
Legacy Management	32,303	32,867	33,641
Total, Grand Junction Office	32,303	32,867	33,641
Idaho National Laboratory			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	50
Health Safety and Security			
Health Safety and Security (All other)	25	50	0
Idaho Sitewide Safeguards and Security			
Idaho Sitewide Safeguards and Security	87,753	0	0
Total, Idaho National Laboratory	87,778	50	50

Department Of Energy
FY 2015 Congressional Budget
Funding By Appropriation By Site
(\$K)

Other Defense Activities	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Idaho Operations Office			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	400
Health Safety and Security			
Health Safety and Security (All other)	314	400	0
Idaho Sitewide Safeguards and Security			
Idaho Sitewide Safeguards and Security	2,100	0	0
Total, Idaho Operations Office	2,414	400	400
Kansas City Plant			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	10
Health Safety and Security			
Health Safety and Security (All other)	5	10	0
Total, Kansas City Plant	5	10	10
Lawrence Livermore National Laboratory			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	3,050
Health Safety and Security			
Health Safety and Security (All other)	3,285	3,050	0
Total, Lawrence Livermore National Laboratory	3,285	3,050	3,050
Lexington Office			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	200
Health Safety and Security			
Health Safety and Security (All other)	85	200	0
Total, Lexington Office	85	200	200
Los Alamos National Laboratory			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	95
Health Safety and Security			
Health Safety and Security (All other)	467	95	0
Total, Los Alamos National Laboratory	467	95	95
Morgantown Office			
Office of Legacy Management			
Legacy Management	15,457	14,158	11,432
Total, Morgantown Office	15,457	14,158	11,432

Department Of Energy
FY 2015 Congressional Budget
Funding By Appropriation By Site
(\$K)

Other Defense Activities	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Mound Site			
Office of Legacy Management			
Legacy Management	13,607	19,112	17,235
Total, Mound Site	13,607	19,112	17,235
Nevada Site Office			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	15
Health Safety and Security			
Health Safety and Security (All other)	7	15	0
Total, Nevada Site Office	7	15	15
NNSA Albuquerque Complex			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	1,000
Health Safety and Security			
Health Safety and Security (All other)	1,107	1,000	0
Total, NNSA Albuquerque Complex	1,107	1,000	1,000
Oak Ridge Institute for Science & Education			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	1,305
Health Safety and Security			
Health Safety and Security (All other)	1,401	1,305	0
Total, Oak Ridge Institute for Science & Education	1,401	1,305	1,305
Oak Ridge National Laboratory			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	1,035
Health Safety and Security			
Health Safety and Security (All other)	1,039	1,035	0
Total, Oak Ridge National Laboratory	1,039	1,035	1,035
Oak Ridge Office			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	2,795
Health Safety and Security			
Health Safety and Security (All other)	2,540	2,795	0
Total, Oak Ridge Office	2,540	2,795	2,795

Department Of Energy
FY 2015 Congressional Budget
Funding By Appropriation By Site
(\$K)

Other Defense Activities	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Office of Scientific & Technical Information			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	300
Health Safety and Security			
Health Safety and Security (All other)	305	300	0
Total, Office of Scientific & Technical Information	305	300	300
Ohio Field Office			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	5
Health Safety and Security			
Health Safety and Security (All other)	5	5	0
Total, Ohio Field Office	5	5	5
Pacific Northwest National Laboratory			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	1,895
Health Safety and Security			
Health Safety and Security (All other)	1,946	1,985	0
Independent Enterprise Assessments			
Independent Enterprise Assessments	0	0	90
Total, Pacific Northwest National Laboratory	1,946	1,985	1,985
Paducah Gaseous Diffusion Plant			
Office of Legacy Management			
Legacy Management	3,800	3,400	3,000
Total, Paducah Gaseous Diffusion Plant	3,800	3,400	3,000
Pantex Plant			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	10
Health Safety and Security			
Health Safety and Security (All other)	5	10	0
Total, Pantex Plant	5	10	10
Pinellas Site			
Office of Legacy Management			
Legacy Management	6,668	9,143	7,218
Total, Pinellas Site	6,668	9,143	7,218
Portsmouth Gaseous Diffusion Plant			
Office of Legacy Management			
Legacy Management	7,800	6,800	6,100
Total, Portsmouth Gaseous Diffusion Plant	7,800	6,800	6,100

Department Of Energy
FY 2015 Congressional Budget
Funding By Appropriation By Site
(\$K)

Other Defense Activities	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Richland Operations Office			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	1,000
Health Safety and Security			
Health Safety and Security (All other)	840	1,000	0
Total, Richland Operations Office	840	1,000	1,000
Rocky Flats Site			
Office of Legacy Management			
Legacy Management	46,270	57,031	54,853
Total, Rocky Flats Site	46,270	57,031	54,853
Sandia National Laboratories			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	820
Health Safety and Security			
Health Safety and Security (All other)	1,017	820	0
Total, Sandia National Laboratories	1,017	820	820
Savannah River Operations Office			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	500
Health Safety and Security			
Health Safety and Security (All other)	641	500	0
Total, Savannah River Operations Office	641	500	500
Savannah River Site Office			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	10
Health Safety and Security			
Health Safety and Security (All other)	5	10	0
Total, Savannah River Site Office	5	10	10

Department Of Energy
FY 2015 Congressional Budget
Funding By Appropriation By Site
(\$K)

Other Defense Activities	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Washington Headquarters			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	103,098
Program Direction	0	0	62,235
Total, Environment, Health, Safety and Security	0	0	165,333
Health Safety and Security			
Health Safety and Security (All other)	120,354	127,861	0
Program Direction			
Program Direction	93,639	108,301	0
Hearings and Appeals			
Program Direction	3,803	5,022	5,500
Independent Enterprise Assessments			
Independent Enterprise Assessments	0	0	23,978
Program Direction	0	0	49,466
Total, Independent Enterprise Assessments	0	0	73,444
Office of Legacy Management			
Legacy Management	12,399	15,015	14,644
Specialized Security Activities			
Specialized Security Activities	171,396	202,242	202,152
Total, Washington Headquarters	401,591	458,441	461,073
Weldon Spring Site Office			
Office of Legacy Management			
Legacy Management	1,908	2,455	5,020
Total, Weldon Spring Site Office	1,908	2,455	5,020
Y-12 Site Office			
Environment, Health, Safety and Security			
Environment, Health, Safety and Security	0	0	20
Health Safety and Security			
Health Safety and Security (All other)	10	20	0
Total, Y-12 Site Office	10	20	20
Yucca Mountain Site Office			
Office of Legacy Management			
Legacy Management	200	200	2,635
Total, Yucca Mountain Site Office	200	200	2,635
Total, Other Defense Activities	650,935	636,164	634,164

Departmental Administration

Departmental Administration

FY 2015 Congressional Budget Request

Departmental Administration

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**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.), \$248,223,000, to remain available until September 30, 2016, including the hire of passenger motor vehicles and official reception and representation expenses not to exceed \$30,000, 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 \$119,171,000 in fiscal year 2015 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 2015 appropriation from the general fund estimated at not more than \$129,052,000.

Explanation of Change

No change.

Departmental Administration

(\$K)			
FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request
119,195	126,449	126,449	129,052

Overview

The Departmental Administration (DA) appropriation funds 11 management organizations that support headquarters operations in administration, accounting, budgeting, contract and project management, congressional and intergovernmental liaison, domestic and international energy policy, information management, life-cycle asset management, legal services, workforce diversity and minority economic impact, ombudsman services, small business advocacy, 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 budgets for Cost of Work for Others and receives Miscellaneous Revenues from other sources. Additionally, the DA appropriation receives funding from the Other Defense Activities appropriation, Defense Related Administrative Support, which is used to offset funding within the DA appropriation in support of defense oriented activities at DOE, including programs within Other Defense Activities and NNSA.

Highlights and Major Changes in the FY 2015 Budget Request

In FY 2015, the DA appropriation requests an increase in budget authority to expand programmatic scope and invest in crosscutting initiatives with the potential for innovative and collaborative endeavors in the energy sector, as outlined below:

- Congressional and Intergovernmental Affairs (CI): \$1.6 million increase to support increased engagement and interface with State, local and tribal governments. Resources will be used to fully fund Intergovernmental and External Affairs functions, and coordinated grid modernization efforts.
- Chief Information Officer (CIO): \$4.2 million to support the Energy IT Services modernization initiative, which will assist in transitioning all remaining federal employees and direct support contractors (approximately 9,000 individuals) to CIO's Commodity IT services. Modernization activities include expansion and upgrade of the DOENet Wide-Area Network and the Trusted Internet Connection, which provides connectivity to all federal locations and supports increased network traffic.
- Management (MA): \$11 million to support four Secretarial initiatives: (1) the National Laboratory Operations Board; (2) Contract Management Improvement; (3) Cost Estimating/Cost Analysis Improvement; and (4) Internal Evaluations.
- Energy Policy and Systems Analysis (EPSA): \$19.3 million increase to enable a more robust energy policy development process and strengthened institutional support for grid modernization and Quadrennial Energy Review activities.

In FY 2015, significant program office restructuring and realignments are occurring within the DA account to ensure statutory requirements and Secretarial priorities have adequate resources and programs are operating efficiently and effectively to support mission critical areas of the Department. The objective of these shifts in activities/programs is to establish a streamlined flow of information and work in the Department across energy disciplines. In FY 2015, major shifts in the DA account include the following:

- The Office of Indian Energy Policy and Programs is moved out of the DA account and established as a stand-alone office under a separate appropriation, with direct report authority to the Undersecretary for Science and Energy. Resources and activities from EERE's Tribal Energy Program are also being consolidated within the new office.
- Beginning in FY 2014 and reflected in the FY 2015 request, the Office of Small and Disadvantaged Business Utilization (OSDBU) is being moved out of the Office of Economic Impact and Diversity(ED) to be established as a separate program office within the DA account. In FY 2014, OSDBU is operating under a Memorandum of Understanding (MOU) with ED until all of the functions are transferred and fully funded in FY 2015. The new OSDBU program office has direct

report authority to the Secretary, ensuring that Small Business Administration goals are being met or exceeded at the Department.

- The Office of the Chief Information Officer (CIO) is reducing its cybersecurity program funding by approximately \$9.4 million as \$40 million in cyber-related activities are being funded corporately through the Working Capital Fund's (WCF's) CyberOne line of business, including Identity, Credential and Access Management (ICAM) and the Joint Cybersecurity Coordination Center (JC3). These activities support efforts at the Department to consolidate and streamline Department-wide systems and business processes to mitigate the risk and threat of intrusion.

Additionally, in FY 2015, revised estimates for Cost of Work for Others and miscellaneous revenues have resulted in the Cost of Work for Others estimate being reduced by approximately \$6.5 million and miscellaneous revenues (expected to offset the DA account) being increased by \$17.5 million.

Departmental Administration
Funding by Congressional Control (\$K)

	FY 2013 Current	FY 2014 Enacted	FY 2014 Adjustments	FY 2014 Current	FY 2014 Operating Level¹	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Administrative Operations							
Salaries and Expenses							
Office of the Secretary	4,849	5,008	—	5,008	5,008	5,008	—
Chief Financial Officer (CFO)	49,576	47,825	—	47,825	47,825	47,182	-643
Management	59,437	57,599	—	57,599	57,599	68,293	+10,694
Chief Human Capital Officer	23,458	24,488	—	24,488	24,488	25,400	+912
Chief Information Officer (CIO)	33,614	35,401	—	35,401	35,401	33,188	-2,213
Congressional & Intergovernmental Affairs	4,521	4,700	—	4,700	4,700	6,300	+1,600
Office of Indian Energy Policy & Programs ²	1,928	2,506	—	2,506	2,506	—	-2,506
Office of Small & Disadvantaged Business Utilization (OSDBU)	—	—	—	—	1,253	2,253	+2,253
Economic Impact & Diversity (ED)	5,456	6,197	—	6,197	4,944	5,574	-623
General Counsel (GC)	31,863	33,053	—	33,053	33,053	33,000	-53
Policy and International Affairs (PI) ³	19,780	—	—	—	—	—	—
Energy Policy and Systems Analysis (EPSA)	—	16,181	—	16,181	16,181	38,545	+22,364
International Affairs (IA)	—	12,518	—	12,518	14,723	18,441	+5,923
Public Affairs	3,664	3,597	—	3,597	3,597	3,431	-166
Subtotal, Salaries and Expenses	238,146	249,073	—	249,073	251,278	286,615	+37,542
Program Support							
Minority Economic Impact (ED)	1,748	2,759	—	2,759	1,509	1,673	-1,086
Small & Disadvantaged Business Utilization	—	—	—	—	1,250	—	—
Policy Analysis and Systems Studies (PI)	425	—	—	—	—	—	—
Environmental Policy Studies (PI)	501	—	—	—	—	—	—
Climate Change Technology Program (PI)	5,285	—	—	—	—	—	—
Policy Analysis and Systems Studies (EPSA)	—	441	—	441	441	—	-441
Environmental Policy Studies (IA)	—	520	—	520	520	—	-520
Climate Change International (IA)	—	2,835	—	2,835	2,835	—	-2,835
Climate Change Domestic (EPSA)	—	2,647	—	2,647	2,647	—	-2,647

¹ FY 2014 Operating Level shown for ED and OSDBU reflect the agreement set forth in an MOU signed by the two organizations in December 2013. Specifically, ED's program direction line is reduced by -\$1,253 for costs associated with 6 FTEs in OSDBU; and ED's program support line is reduced by -\$1,250 for small business program activities in OSDBU. FY 2014 Operating Level for IA reflects prior year balance use of \$2,205 to maintain necessary operational costs.

² In FY 2015, the Office of Indian Energy Policy and Programs is moved out of the DA account and established as a new office, under a separate appropriation.

³ In the Omnibus Appropriations Act of 2014, PI was dissolved and structurally reorganized into two separate program offices: IA and EPSA.

	FY 2013 Current	FY 2014 Enacted	FY 2014 Adjustments	FY 2014 Current	FY 2014 Operating Level ¹	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Cybersecurity (CIO)	20,136	30,795	—	30,795	30,795	21,364	-9,431
Corporate IT Program Support (CIO)	25,135	15,866	—	15,866	15,866	19,612	+3,746
Subtotal, Program Support	53,230	55,863	—	55,863	55,863	42,649	-13,214
Total, Administrative Operations	291,376	304,936	—	304,936	307,141	329,264	+24,328
Cost of Work for Others	48,537	48,537	—	48,537	48,537	42,000	-6,537
Adjustments							
Use of Prior Year Balances (GC)	—	—	—	—	—	-2,000	-2,000
Use of Prior Year Balances (CIO)	—	—	—	—	—	-2,205	-2,205
Total, Adjustments	—	—	—	—	—	-4,205	-4,205
Funding from Other Defense Activities/ Defense-Related Administrative Support							
Funding to support CFO	-30,210	-38,979	—	-38,979	-38,979	-46,877	-7,898
Funding to support CIO	-78,885	-79,857	—	-79,857	-79,857	-71,959	+7,898
Total, Funding from Other Defense Activities	-109,095	-118,836	—	-118,836	-118,836	-118,836	—
Total, Departmental Administration (Gross)	230,818	234,637	—	234,637	236,842	248,223	+13,586
Miscellaneous Revenues							
Revenues Associated with Cost of Work	-48,537	-48,537	—	-48,537	-48,537	-42,000	+6,537
Other Revenues	-63,086	-59,651	—	-59,651	-59,651	-77,171	-17,520
Total, Miscellaneous Revenues	-111,623	-108,188	—	-108,188	-108,188	-119,171	-10,983
Total, Departmental Administration (Net)	119,195	126,449	—	126,449	128,654	129,052	+2,603
Federal FTEs	1,128	1,143	—	1,143	1,143	1,157	+14

Budget Structure Changes

In FY 2015, the Office of Indian Energy Policy and Programs is moved out of the DA account and established under a separate appropriation. The Office of Small and Disadvantaged Business Utilization is also moved out of the Office of Economic Impact and Diversity and established as a separate program office within the DA account.

Comparability Matrix (\$K)

FY 2014 Enacted Budget Structure

Departmental Administration

Office of Indian Energy Policy & Programs

Energy Efficiency & Renewable Energy

Tribal Energy Program

Total, Office of Indian Energy Policy & Programs

FY 2015 Proposed Budget Structure				
Departmental Administration	Office of Indian Energy Policy and Programs		Total	
Office of Indian Energy Policy & Programs	Program Direction	Tribal Energy Program		
Office of Indian Energy Policy & Programs	—	2,510	—	2,510
Tribal Energy Program	—	—	13,490	13,490
Total, Office of Indian Energy Policy & Programs	—	2,510	13,490	16,000

FY 2014 Enacted Budget Structure

Economic Impact & Diversity

Program Direction

Minority Economic Impact (includes OSDBU program activity)

Total, Economic Impact & Diversity

Office of Small & Disadvantaged Business Utilization

Total, Office of Small & Disadvantaged Business Utilization

FY 2015 Proposed Budget Structure				
Office of Small & Disadvantaged Business Utilization	Economic Impact & Diversity		Total	
Program Direction	Program Direction	Minority Economic Impact		
Program Direction	—	5,574	—	5,574
Minority Economic Impact (includes OSDBU program activity)	—	—	1,673	1,673
Total, Economic Impact & Diversity	—	5,574	1,673	7,247
Office of Small & Disadvantaged Business Utilization	2,253	—	—	2,253
Total, Office of Small & Disadvantaged Business Utilization	2,253	—	—	2,253

Defense-Related Administrative Support

Overview

Beginning in FY 1999, funding has been provided within the Other Defense Activities appropriation to offset funding amounts within the DA appropriation. This offset addresses the significant level of administrative support performed within DA for the Department's defense-related programs. This includes administrative work that supports: National Nuclear Security Administration (NNSA), Defense Environmental Cleanup, Defense Nuclear Waste Disposal, and Other Defense Activities. Functions provided do not duplicate those provided within Federal Salaries and Benefits (formerly, Office of the Administrator) for the NNSA.

The services provided by the offices within DA are performed without distinction between defense and non-defense related activities and provide benefit for all headquarters organizations proportionally. Among other things, DRAS funding supports salaries and benefits for the administrative operations of the Office of the Chief Financial Officer and the Office of the Chief Information Officer.

**Defense-Related Administrative Support
Funding (\$K)**

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Defense-Related Administrative Support					
Chief Financial Officer	30,210	38,979	38,979	46,877	+7,898
Chief Information Officer	78,885	79,857	79,857	71,959	-7,898
Total, Defense-Related Administrative Support	109,095	118,836	118,836	118,836	—

Defense-Related Administrative Support

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
Includes costs for about 350 FTEs in areas such as budget, financial accounting, logistics, and information technology management.	Continuation of FY 2014 activities.	No change.
Support Services		
Finances technical and management support services. The areas of support include information technology support, project control and performance, facilities and infrastructure, strategic planning, independent financial auditing, automated data processing, project management evaluations, delivery of training, operation of the Headquarters technical and law libraries, database maintenance, financial system operations, and minimal technical financial support.	Continuation of FY 2014 activities.	No change.
Program Support		
<ul style="list-style-type: none"> Includes a proportional share of the iManage system to design and implement new, integrated and user-friendly financial management systems for the Department. These systems will help the Department fulfill its fiduciary responsibilities. Supports the Department's cybersecurity program which provides consistent principles and requirements for cybersecurity that Departmental organizations can implement for the protection of classified and unclassified information, as required by National laws and policies. 	<ul style="list-style-type: none"> Includes a proportional share of the iManage system to design and implement new, integrated and user-friendly financial management systems for the Department. These systems will help the Department fulfill its fiduciary responsibilities. Ensures that information technology (IT) is acquired and information resources are managed in a manner that complies with statutory requirements, and Administration policies and procedures. Funding provides for IT performance management, investment management, acquisition, security, and policy at the Department. 	Overall, net zero change in funding level. In FY 2015, the decrease in CIO funding level (-\$7,898) is resulting in a shift in funds to CFO (+\$7,898) to offset its operating costs.

Cost of Work for Others

Overview

The Cost of Work for Others program provides funding to DOE's 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 are either (1) a revenue program which results from a budgeted mission of the Department or (2) 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.

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 Cost of Work for Others 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 influx of business from the targeted groups.

**Cost of Work for Others
Funding (\$K)**

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Chicago Operations Office	4,000	3,746	3,746	400	-3,346
Idaho Operations Office	—	1,000	1,000	1,000	—
Lawrence Berkeley Laboratory	2,240	2,866	2,866	1,392	-1,474
National Energy Technology Laboratory	—	300	300	150	-150
National Renewable Energy Laboratory	—	200	200	360	+160
New Brunswick Laboratory	50	150	150	—	-150
NNSA Albuquerque Complex	9,852	9,150	9,150	9,330	+180
Oak Ridge National Laboratory	12,400	11,861	11,861	14,768	+2,907
Pacific Northwest Laboratory	9,962	9,344	9,344	9,000	-344
Richland Operations Office	75	550	550	100	-450
Savannah River Ops Office	8,628	9,370	9,370	5,500	-3,870
Washington, D.C. (in Reserve)	1,330	—	—	—	—
Subtotal, Cost of Work for Others	48,537	48,537	48,537	42,000	-6,537
Revenues Associated with Cost of Work	-48,537	-48,537	-48,537	-42,000	+6,537
Total, Cost of Work for Others	—	—	—	—	—

**Miscellaneous Revenues
Funding (\$K)**

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Revenues Associated with Cost of Work	-48,537	-48,537	-48,537	-42,000	+6,537
Other Revenues	-63,086	-59,651	-59,651	-77,171	-17,520
Total, Miscellaneous Revenues	-111,623	-108,188	-108,188	-119,171	-10,983

Overview

The Departmental Administration account receives miscellaneous revenues from the following:

- Revenues associated with Cost of Work for Others, which 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.
- Other revenues 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.

**Revenues Associated with Cost of Work
Funding (\$K)**

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Chicago Operations Office	4,000	3,746	3,746	400	-3,346
<ul style="list-style-type: none"> Brookhaven National Laboratory support to University of Washington for nano particle loading and standard metal loaded scintillator for optical measurements (\$400). 					
Idaho Operations Office	—	1,000	1,000	1,000	—
<ul style="list-style-type: none"> Support to state/local governments (\$1,000). 					
Lawrence Berkeley National Laboratory	2,240	2,866	2,866	1,392	-1,474
<ul style="list-style-type: none"> National Laboratory High Energy Physics KEK in Japan for Particle Data Group (\$150); University of California-Davis for nano particle loading and standard metal loaded scintillator for optical measurements (\$300); University of Tennessee for National Institute for Computational Sciences (\$120); University of the Pacific for Dissolved Oxygen Total Maximum Daily Load Program (\$100); University of Washington for comprehensive Identification of Worm and Fly Transcription Factors (\$342.9) and Material Genome Project for SAP/SLAM Devices (\$79.1); and Additional university support for Composite for Basic Science Research in Genome (\$300). 					
National Energy Technology Laboratory	—	300	300	150	-150
<ul style="list-style-type: none"> Support to state/local governments (\$150) 					
National Energy Renewable Laboratory	—	200	200	360	+160
<ul style="list-style-type: none"> Chemistry at Harvard Macromolecular Mechanics (CHARMM) Modernization, Performance, and Continued Development (\$200); Renewable Energy Assessments (\$60); and Support to state/local governments (\$100). 					
New Brunswick Laboratory	50	150	150	—	-150
<ul style="list-style-type: none"> No planned activities in FY 2015. 					

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
NNSA Albuquerque Complex	9,852	9,150	9,150	9,330	+180
<ul style="list-style-type: none"> • Sandia National Laboratory support to state & local governments (\$300); • Y-12 National Security Complex support to long term supply contracts with foreign governments to provide uranium fuel (\$3,830); • Y-12's Global Threat Reduction Initiative support to arrange for the return of enriched uranium from foreign countries (\$2,500); • Y-12 support to university and private industry (\$700); • Lawrence Livermore National Laboratory support to State of California Ambient Groundwater Monitoring & Assessment (GAMA) program (\$1,000); and • NNSA to address multiple smaller projects for state/local governments, universities and institutes, including work for the State of Washington Department of Health, Maryland Transit Authority, and New Mexico Office of the State Engineer (\$1,000). 					
Oak Ridge Operations Office	12,400	11,861	11,861	14,768	+2,907
<ul style="list-style-type: none"> • Oak Ridge National Laboratory support to Intercomparison Studies Program—Bioassay Samples; DARPA UPSIDE Proposal Win; Beam Dump Research & Development and Conceptual Design; National Center for Computational Science; etc. (\$14,013). • ORISE support to Radiation Emergency Assistance Center/Training courses (\$100). • SLAC support to US/Japan Cooperative Program in High Energy Physics (\$605). • Thomas Jefferson National Laboratory support for research and development on Superconducting Radio Frequency (SRF) cavity fabrication, processing and instrumented testing at cryogenic temperatures for high performance SRF cavities (\$50). 					
Pacific Northwest National Laboratory	9,962	9,344	9,344	9,000	-344
<ul style="list-style-type: none"> • Maritime Radiological/Nuclear training, logistics management, and technical assistance (\$9,000). 					
Richland Operations Office	75	550	550	100	-450
<ul style="list-style-type: none"> • Training in support of disaster recovery, emergency response, fire protection, transportation, law enforcement, military readiness, technology deployment (\$100). 					
Savannah River Operations	8,628	9,370	9,370	5,500	-3,870
<ul style="list-style-type: none"> • Savannah River Site research and development on graphite dissolution, conceptual design on a production scale process for the dissolution, analysis and work supporting NEPA evaluations with the country of Germany (\$5,000); and • Savannah River National Laboratory support to the University of Washington (\$500). 					
Washington, DC (in Reserve)	1,320	—	—	—	—
<ul style="list-style-type: none"> • No planned activities in FY 2015. 					
Total, Revenues Associated with Cost of Work	48,537	48,537	48,537	42,000	-6,537

Other Revenues
Explanation of Major Changes (\$K)

	FY 2015 Request
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.	-31,000
Y-12 Site Office – Revenues generated from shipment of surplus HEU and Low Enriched Uranium (LEU) for use in foreign research and test reactors.	-14,000
Pittsburgh Naval Reactors Office - The Department of Navy reimburses the Pittsburgh Naval Reactors Office for the nuclear material burn-up while the core is in operation and when residual nuclear material is removed during core refuelings and defuelings. While nuclear material burn-up is relatively consistent across years, major fluctuations in this line item are attributable to the refueling and defueling schedules, which are based on ship availability and quantity of nuclear material left in the cores.	-26,271
Other Revenues, including Timber Sales - Estimate based on current rate of collections for various miscellaneous revenues collected at all Departmental sites, including timber sales at Savannah River Site.	-5,900
Total, Other Revenues	-77,171

**Office of the Secretary
Program Direction**

Overview

The Office of the Secretary (OSE) provides leadership and policy direction to the Department of Energy (DOE) in fulfilling its responsibilities for advancing the energy, environmental, and nuclear security of the United States; promoting scientific and technological innovation in support of that mission; sponsoring basic research in the physical sciences; and ensuring the environmental cleanup of the nation's nuclear weapons complex. These responsibilities will be fulfilled through:

Science and Energy – DOE leads the nation in the transformational research, development, demonstration, and deployment of an extensive range of clean energy and efficiency technologies, supporting the President's Climate Action Plan and an "all of the above" energy strategy. DOE identifies and promotes advances in fundamental and applied sciences; translates cutting-edge inventions into technological innovations; and accelerates transformational technological advances in energy areas that industry by itself is not likely to undertake because of technical or financial risk. DOE also leads national efforts to develop technologies to modernize the electricity grid, enhance the security and resilience of energy infrastructure, and expedite recovery from energy supply disruptions. DOE conducts robust, integrated policy analysis and engagement to support the nation's energy agenda. DOE is the largest federal sponsor of basic research in the physical sciences. DOE world-leading research in the physical, chemical, biological, environmental, and computational sciences contributes fundamental scientific discoveries and technological solutions that support the nation's primacy in science and innovation.

Nuclear Security – DOE enhances the security and safety of the nation through its national security endeavors: maintaining a safe, secure, and effective nuclear weapons stockpile in the absence of nuclear testing and managing the research, development, and production activities and associated infrastructure needed to meet national security requirements; accelerating and expanding efforts to reduce the global threat posed by nuclear weapons, nuclear proliferation and unsecured or excess nuclear materials; and providing safe and effective nuclear propulsion for the U.S. Navy. As a result of the expertise developed to support these nuclear security missions, the DOE laboratories also serve as strategic assets in support of broader national security missions.

Management and Performance – DOE leads the largest cleanup effort in the world to remediate the environmental legacy of over six decades of nuclear weapons research, development, and production through investments in science and technology research. As DOE carries out its mission, it employs effective and cost-efficient management, supports an engaged workforce, and provides a modern, secure physical and information technology infrastructure. DOE remains committed to maintaining a safe and secure work environment for all personnel and to ensuring that its operations preserve the health, safety, and security of the surrounding communities.

**Program Direction
Funding (\$K)**

FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
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Program Direction Summary

Washington Headquarters

Salaries and Benefits	4,314	4,473	4,473	4,473	—
Travel	529	529	529	529	—
Support Services	—	—	—	—	—
Other Related Expenses	6	6	6	6	—
Total, Program Direction	4,849	5,008	5,008	5,008	—
Federal FTEs	32	32	32	32	—

Support Services and Other Related Expenses

Other Related Expenses

Training	6	6	6	6	—
Total, Other Related Expenses	6	6	6	6	—

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
Funding supports 28 FTEs in the Office of the Secretary, Deputy Secretary, Under Secretary for Science and Energy, and Under Secretary for Management and Performance. OSE's FTE authorization is 32, of which 4 will be funded with prior year unobligated balances.	Continuation of FY 2014 activities.	No changes.
Travel		
Funding for the Office of the Secretary, Deputy Secretary, Under Secretary for Science and Energy, and Under Secretary for Management and Performance and Special Assistants to travel both internationally and domestically in support of the Department's mission.	Continuation of FY 2014 activities.	No changes.
Other Related Expenses		
Training and course registration cost for OSE employees for essential training activities.	Continuation of FY 2014 activities.	No changes.

**Chief Financial Officer
Program Direction**

Overview

The Office of the Chief Financial Officer (CF) is responsible for the effective management and financial integrity of Department of Energy (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, and strategic planning.

Highlights of the FY 2015 Budget Request

None.

**Program Direction
Funding (\$K)**

FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
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Program Direction Summary

Washington Headquarters

Salaries and Benefits	31,398	28,681	28,681	29,155	+474
Travel	250	200	200	200	—
Support Services	8,800	9,189	9,189	9,189	—
Other Related Expenses	9,128	9,755	9,755	8,638	-1,117
Total, Program Direction	49,576	47,825	47,825	47,182	-643
Federal FTEs	235	212	212	212	—

Support Services and Other Related Expenses

Support Services

Management Support					
iManage	5,100	5,450	5,450	5,450	—
Systems Support (legacy systems/hardware/software)	3,000	3,000	3,000	3,000	—
Other Support Services	700	739	739	739	—
Total, Support Services	8,800	9,189	9,189	9,189	—

Other Related Expenses

DOECOE	1,775	1,775	1,775	1,600	-175
Training	148	140	140	140	—
Interagency Agreements/Data Licenses/Other	680	600	600	600	—
Working Capital Fund	6,525	7,240	7,240	6,298	-942
Total, Other Related Expenses	9,128	9,755	9,755	8,638	-1,117

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
Funds 212 full time equivalent employees (FTEs).	Funds 212 FTEs.	Increase (+\$474) covers 1% employee pay increase.
Travel		
Supports travel requirements for 212 FTEs.	Supports travel requirements for 212 FTEs.	No change from FY 2014.
Support Services		
The FY 2014 iManage budget funds the development of the DOE Funds Distribution System as well as DOE-specific changes/reports for the new GSA-mandated eTravel system. Funding also will be used for 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.	The FY 2015 iManage budget funds the continued operation and expansion of the iManage platform, including the iManage Data Warehouse, which supports over 2,000 users and maintains structured data from multiple data sources. Funds will be used for the integration of budget formulation and funds distribution tools and operation and maintenance of the Foreign Travel Management System.	No change from FY 2014.
Other Related Expenses		
Funding supports Working Capital Fund (WCF), interagency agreements, employee training, data licenses, and IT support requirements for 212 FTEs.	Funding supports WCF, interagency agreements, employee training, data licenses and IT support requirements for 212 FTEs.	Decrease (-\$1,117) in WCF results from office space consolidation.

Management Program Direction

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 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 operation of the Department. MA also fulfills the statutory responsibilities of the Chief Acquisition Officer and the Director of the Office of Acquisition and Project Management, who serves as DOE's Senior Procurement Executive.

In FY 2015, MA's mission will be accomplished through its program office components:

- Aviation Management – Manage all DOE-owned aircraft and contract aviation services world-wide by developing and implementing policies and procedures; provide technical and management assistance to program leaders and field elements with aviation responsibilities; and conduct independent oversight over all DOE elements that own or use aviation as a part of their mission.
- Executive Secretariat – Facilitate quality document management; ensure the timely delivery of executive commitments and information; serve as the Department's Federal Preservation Officer; oversee the Department's Federal Advisory Committee Program; and manage the Department's Conference Management Program.
- Information Resources – Implement the Department's Freedom of Information Act (FOIA); and oversee the Directives Management and Delegation of Authority System.
- Acquisition and Project Management – Validate 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; ensure DOE's real property portfolio is managed effectively, efficiently and sustainably; conduct independent cost estimates at critical decisions for capital asset projects with a total project cost of \$100M or more; drive improvement in project, facilities and infrastructure, property, and procurement management systems; and provide policy, guidance and oversight for contract, project and property management, procurement, and financial assistance.
- Administration – Provide management of critical support services, including Headquarters facilities' management, energy and greenhouse gas management, building automation, space management, supply management, transportation/courier services, sanitation services, exchange visitor program, and mail/printing services.
- Scheduling and Advance – Manage scheduling, logistical, and advance preparations for the Office of the Secretary.
- Secretary of Energy Advisory Board (SEAB) – Administer and coordinate the activities of the Board and its subcommittees for the Secretary to obtain timely, balanced, and independent external advice on issues of national importance related to the missions of the Department.
- Office of the Ombudsman – Serve as an independent, confidential and neutral resource available to all DOE federal employees to address workplace concerns by increasing employee engagement and improving office and Departmental culture so that employees and leaders can focus on mission-critical activities.

Highlights of the FY 2015 Budget Request

The Department requests \$68.3 million in FY 2015 for MA; this request is \$10.7 million above the FY 2014 Enacted level of \$57.6 million. The increase supports the following Secretarial-driven initiatives: (1) establishment of the National Laboratory Operations Board (~\$1 million); (2) contract management improvement (\$1.4 million); (3) cost estimating/cost analysis improvement (\$3.6 million); and (4) internal evaluation of DOE program operations and performance (\$5 million). A functional transfer (-\$.35 million) of the Foreign Travel Management System (FTMS) from MA to the Office of the Chief Financial Officer (CF) is also reflected in the budget request.

**Program Direction
Funding (\$K)**

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Washington Headquarters					
Salaries and Benefits	34,794	34,703	34,703	35,383	+680
Travel	1,184	986	986	940	-46
Support Services	8,221	8,221	8,221	17,966	+9,745
Other Related Expenses	15,238	13,689	13,689	14,004	+315
Total, Program Direction	59,437	57,599	57,599	68,293	+10,694
Federal FTEs – MA	224	234	234	226	-8
Federal FTEs – WCF	35	40	40	40	—
Support Services					
Management Support					
External Independent Reviews (EIRs)	2,703	2,203	2,203	2,203	—
Earned Value Management System (EVMS)	1,009	429	429	429	—
Project Assessment and Reporting System (PARS II)	920	2,000	2,000	2,000	—
Foreign Travel Management Program (FTMP)	450	450	450	—	-450
Acquisition Career Management Program (ACMP)	500	500	500	500	—
Freedom of Information Act (FOIA) Backlog	—	—	—	—	—
National Laboratory Operations Board (NLOB)	—	—	—	195	+195
Contract Management Improvement	—	—	—	1,400	+1,400
Cost Estimating/Cost Analysis Improvement	—	—	—	3,600	+3,600
Internal Evaluation	—	—	—	5,000	+5,000
Other Support Services	2,639	2,639	2,639	2,639	—
Total Management Support	8,221	8,221	8,221	17,966	+9,745
Total, Support Services	8,221	8,221	8,221	17,966	+9,745
Other Related Expenses					
Training	133	143	143	143	—
DOECOE	1,130	1,181	1,181	1,207	+26
Working Capital Fund (WCF)	12,431	10,881	10,881	11,170	+289
Other Services	1,544	1,484	1,494	1,484	—
Total, Other Related Expenses	15,238	13,689	13,689	14,004	+315

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
<p>Funding in support of 234 MA FTEs, including Ombudsman staff (4 FTEs); Travel-related function staff (9 FTEs); and SEAB staff (3 FTEs). Funding provides for salaries/benefits, overtime, lump sum leave, and performance awards.</p>	<p>Continuation of FY 2014 activities, with a net change of staffing level (-8 FTEs) based on:</p> <ul style="list-style-type: none"> • Reduction in staff (-11 FTEs) from the FY 2014 Enacted level. • Increase in staff (+3 FTEs) to support the National Laboratory Operations Board (NLOB). The Board will contribute to an enterprise-wide effort to identify, manage, and resolve issues affecting the management, operations, and administration of the National Laboratories. 	<p>Increase (+\$680) attributed to the addition of 3 FTEs in support of the NLOB function and Government-wide increases for pay and personnel-related costs.</p>
Travel		
<p>Funding in support of MA/SEAB staff travel; all travel associated with scheduling and logistics for Secretarial trips; and travel associated with program oversight and evaluation, procurement, project engineering, and construction management activities. Includes the rental of vehicles from the General Services Administration motor pool and the DOE fleet.</p>	<p>Continuation of FY 2014 activities, with a slight overall decrease in funding based on:</p> <ul style="list-style-type: none"> • Reduction of MA's travel dollars (-\$114) achieved through efficiencies created by the use of video teleconferencing, use of lower airfare, and a reduction in the number of travelers per trip. Funding will be redirected to other priorities in MA. • Increase of MA's travel dollars (+\$68) in support of meetings of the NLOB and subgroups of the Board held at Department Headquarters and at DOE laboratories. Includes travel activities in support of data collection and analysis efforts connected with enhancing efficiency and effectiveness. 	<p>Net decrease (-\$46) attributed to efficiencies offset by funding to support the NLOB function.</p>
Support Services		
<p>Funding in support of MA's contractual requirements, including EIRs, EVMS, PARS II, FTMS, ACMP, and Other Support Services. More detail provided in following sections.</p>	<p>Continuation of FY 2014 activities, with a slight reduction to account for the functional transfer of FTMS (-\$350) from MA to CF. Funding increase will support high priority Secretarial initiatives in four programmatic areas: National Laboratory Operations Board (+\$195); Contract Management (+\$1,400); Cost Estimating/Cost Analysis (+\$3,600); and Internal Evaluation (+\$5,000). More detail provided in following sections.</p>	<p>Net increase (+\$9,745) to support NLOB, Contract Management Improvement, Cost Estimating/Cost Analysis Improvement, and Internal Evaluation. Request is offset by support service reductions and FTMS transfer (totaling -\$450).</p>

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
<p>External Independent Reviews (EIRs) Finances EIRs, which provide assurance that projects can be executed at the proposed performance baseline (scope, cost, and schedule). EIRs are conducted for projects greater than \$100 million for major programs and greater than \$50 million for others lacking Project Management Support Offices.</p>	Continuation of FY 2014 activities.	No change.
<p>Earned Value Management System (EVMS) Finances certification and surveillance reviews to ensure contractor EVMSs comply with industry standards. MA ensures contractors are EVMS compliant for projects greater than \$100 million. EVMS is an industry-accepted process to ensure that projects are completed on cost, schedule, and within scope against a baseline. EVMS enables trend analysis and evaluation of estimated cost at completion and provides a sound basis for problem identification, corrective actions, and management re-planning.</p>	Continuation of FY 2014 activities.	No change.
<p>Project Assessment and Reporting System (PARS II) PARS II provides project status and assessment information for senior management and other stakeholders. Current funding will be used to provide operations and maintenance 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.</p>	Continuation of FY 2014 activities.	No change.
<p>Foreign Travel Management Program (FTMS) FTMS is the DOE Headquarters corporate electronic database that manages and tracks official foreign travel of federal and contractor personnel.</p>	No funding for FTMS in FY 2015. FTMS is functionally transferred to the Chief Financial Officer (CF) in FY 2015 to promote the planning, design and integration of the Department's corporate business systems.	A net reduction in funds (-\$450) resulting from the functional transfer of FTMS to CF (-\$350), and a shift in funds to the WCF (-\$100).
<p>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.</p>	Continuation of FY 2014 activities.	No change.

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
<p>Freedom of Information Act (FOIA) Backlog Aligns functional and programmatic reporting and creates organizational positions to focus and accelerate decision-making/accountability; provides review, analysis and processing of FOIA requests to assist in reducing the backlog. Funding supports the hiring of contractor attorneys and FOIA activities centralization. Activity to be funded through use of prior year carryover balances in FY 2014.</p>	<p>Continuation of FY 2014 activities. FOIA activity to be funded through use of prior year carryover balances in FY 2015.</p>	<p>No change.</p>
<p>National Laboratory Operations Board The National Laboratory Operations Board (NLOB) Charter was issued in FY 2014. Start-up funding is supported through use of prior year carryover balances.</p>	<p>The objectives of the NLOB are to strengthen and enhance the partnership between the Department and the National Laboratories, and to improve management and performance in order to more effectively and efficiently execute the missions of the Department its National Laboratories. Funding in support of the NLOB provides discrete projects to be undertaken by the NLOB, including data collection and analysis in support of efforts to improve efficiency and effectiveness on an enterprise-wide basis.</p>	<p>NLOB fully funded (+\$195) to strengthen and enhance the relationship between the Department and its 17 National Laboratories, with a specific emphasis on improving execution of mission-related activities, across the DOE enterprise, through effective and efficient performance and management.</p>
<p>No activity.</p>	<p>Contract Management Improvement Enhances STRIPES functionality to include reporting and analysis capabilities; provides an IT tool that automates procurement system data quality reviews and enhances data transparency; and develops DOE-specific courses, beyond the Federal Acquisition Institute’s basic curriculum, to improve the skills/capabilities and enhance the efficiency of the Department’s acquisition workforce.</p>	<p>New activity (+\$1,400) to support enhancements in contract management activities at the Department, which will lead to improvements in acquisition-related functions and operations.</p>
<p>No activity.</p>	<p>Cost Estimating/Cost Analysis Improvement Enhances ongoing efforts in cost estimating and schedule analysis capability; develops a standard Work Breakdown Structure (WBS) for DOE Program Offices; develops a standardized WBS cost and schedule data extractor; provides for an IT tool that automates schedule integrity and critical path analysis; funds continuing education and professional development courses such as earned value management, cost estimating and schedule analysis.</p>	<p>New activity (+\$3,600) to support improved performance in the functional area of cost estimation and analysis at the Department.</p>

No activity.

Internal Evaluation

Enables the Under Secretary for Management and Performance to establish an ongoing program to conduct performance evaluation studies of selected Departmental programs and operations. These studies will seek to document the impacts and benefits of DOE programs, and the effectiveness and efficiency of DOE operations. The studies will also develop recommendations for improvements in program or operational effectiveness and efficiency. Such studies also will inform and enhance DOE compliance with the Government Performance and Results Act. All individual program and operations evaluation studies will be centrally managed by the Office of the Under Secretary for Management and Performance to ensure objectivity and consistency. Evaluations will be conducted in close collaboration with program managers. The agenda for the studies will be determined by the Secretary of Energy and the Under Secretary for Management and Performance. Most studies will be conducted by independent contractors based on task descriptions set forth by the Office of the Under Secretary for Management and Performance.

New activity (+\$5,000) to support improved performance of DOE programs and operations, in accordance with GPRA, and to ensure operational efficiency and mission effectiveness.

Other Support Services

Finances management and professional support services, studies, analyses and evaluations; and engineering and technical services. Areas of support include project management control and performance; facilities and infrastructure; FAIR Act; contract management and administration; database maintenance; historic preservation; and aviation assessments.

Continuation of FY 2014 activities.

No change.

Other Related Expenses

Other related expenses to cover Training, DOECO, Working Capital Fund (WCF) and other services.

Continuation of FY 2014 activities.

Net increase (+\$315) provides for slight increase in WCF requirements (+\$214) and NLOB function (+\$101).

Chief Human Capital Officer Program Direction

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 help DOE accomplish its 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.

HC priority initiatives to build workforce capacity and improve human capital systems for current and future DOE mission needs are to: improve the effectiveness and efficiency of Human Resources services through a corporate approach; improve DOE employee engagement and accountability for achieving the mission; ensure DOE has a workforce capable of meeting mission needs; develop DOE employees and leaders in line with mission needs; improve HC customer service, communication, and collaboration; and promote DOE diversity and inclusion in partnership with DOE organizations.

Highlights of the FY 2015 Budget Request

The Department requests \$25.4 million in FY 2015 for HC. HC began to experience an increase in workload in FY 2012 related to delegated HR authority returned to Headquarters (HQ) from certain field Servicing Personnel Offices (SPOs), which is expected to continue into FY 2014-15. 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 and audit findings.

In May 2013, the Deputy Secretary sponsored a 120-day study of DOE HR Service Delivery (HRSD) to review the efficiency and effectiveness of HR operations across the Department. In November 2013, the Secretary of Energy accepted the study's findings and its recommendations for implementing a more efficient and effective HRSD model across the Department. HC is directed to complete implementation planning and a structural design in 2014 as the next steps in DOE's transformation from a highly decentralized and delegated HR operating environment to a hybrid model that is more centralized in nature.

In FY 2015, an increased emphasis will be placed on change and project management, employee development, and organizational skill-set capabilities to support the major transformational changes expected as a result of HRSD implementation. 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. Reliance on contract support decreased at the beginning of FY 2013, and the reduction will continue in FY 2015.

**Program Direction
Funding (\$K)**

FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
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Program Direction Summary

Washington Headquarters

Salaries and Benefits	18,158	18,475	18,475	19,845	+1,370
Travel	130	135	135	150	+15
Support Services	554	940	940	350	-590
Other Related Expenses	4,616	4,938	4,938	5,055	+117
Total, Program Direction	23,458	24,488	24,488	25,400	+912
Federal FTEs	141	141*	141	147	+6

Support Services and Other Related Expenses

Support Services

Management Support					
Training and Education	50	150	150	100	-50
Management Support, Other	504	790	790	250	-540
Total, Support Services	554	940	940	350	-590

Other Related Expenses

Other Services	1,213	1,120	1,120	1,218	+98
Working Capital Fund	3,403	3,818	3,818	3,837	+19
Total, Other Related Expenses	4,616	4,938	4,938	5,055	+117

*FTE number of 151 reported in the FY 2014 Congressional Budget submission was incorrect.

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
Provides for 141 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.	Provides for 147 FTEs which support core HC mission functions as well as workers' compensation payments.	Increase (+\$1,370) reflects an addition of +6 FTEs from the FY 2014 level. Increase in salaries and benefits amount is linked to additional FTEs needed to meet critical mission-support and mandated requirements; and the filling of certain vacant positions at a higher grade, due to planned changes within the HC organization structure.
Travel		
HC staff travel includes program oversight, program evaluation, 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.	Continuation of required HC staff travel activities in FY 2014. HC will explore options to partner with other internal organizations and video conference as feasible.	Minor increase (+\$15) in staff travel funding to offset projected annual cost adjustments.
Support Services		
Includes funding for: HC staff training; HC Core Contractors; and other minor items.	Continuation of FY 2014 activities. HC will try to maximize effectiveness of individual and corporate training opportunities to address skill-set and competency needs. Additional funding provided for the Student Ambassador Program.	Net decrease (-\$590) in support services, includes: decrease in staff training (-\$50); reduction of HC Core Contractor positions (-\$780); addition of the Student Ambassador Program (+\$205); and minor increases in other contracting items (+\$35).
Other Related Expenses		
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 (e.g., software and hardware, CHCO Council fees, small automation system support, and rent for HC's duty-station facility in Albuquerque). HC is relocating the Albuquerque duty-station, partnering with the Office of Health Safety and Security, to utilize existing space in the local area in an effort to reduce rent and offset WCF and DOECO increases.	Continuation of FY 2014 activities.	Minor increase (+\$117) in projected annual costs.

Chief Information Officer

Overview

The Office of the Chief Information Officer (CIO) ensures that information technology (IT) is acquired and information resources are managed in a manner that complies with statutory requirements, and Administration policies and procedures. The CIO is responsible for IT performance management, investment management, acquisition, security, and policy at the Department. To accomplish this, the CIO has forged valuable partnerships by bringing together internal IT resources, National Laboratories, and strategic networks to promote agency-wide innovation and effective operations that provide tangible, positive, high-value outcomes for our nation.

The CIO's IT strategy for meeting the Department's critical needs is detailed below:

- Leverage existing information technology and expertise to improve mission accomplishment and reduce costs;
- Identify and foster new and emerging information technology to enhance mission accomplishment and reduce costs;
- Provide Departmental IT governance, policy, and oversight processes to ensure secure, efficient, and cost-effective use of IT resources; and
- Ensure acceptable risk-based cybersecurity through increased enterprise situational awareness, development of near real-time risk management, and combating advanced persistent threats.

Within the Departmental Administration appropriation, the CIO funds the Corporate IT Program Support, Cybersecurity, and Program Direction (corporate management activities).

Highlights of the FY 2015 Budget Request

In FY 2015, CIO's Cybersecurity program funding is reduced by \$9.4 million as a result of the establishment of the CyberOne Working Capital Fund (WCF) for the Joint Cybersecurity Coordination Center (JC3) and the migration of operational cybersecurity activities to the JC3. The CyberOne WCF line of business was established in FY 2014 and the CIO utilized funding to establish new capabilities and address Federal requirements, in line with OMB guidance.

Energy IT Services (EITS) funding is increased by \$4.2 million for modernization initiative activities that will transition all remaining federal employees and direct support contractors (approximately 9,000 individuals) to CIO Commodity IT services. To successfully transition these employees, EITS plans to expand and upgrade the DOENet Wide-Area Network and Trusted Internet Connection (TIC) to provide connectivity to all federal locations and accommodate increased network traffic. This includes the federal site offices (.gov domains) at all laboratories and plants. Hardware upgrades required to support the full future load are estimated to be \$5.7M. The IT Modernization plan spans FYs 2014-2016.

**Chief Information Officer
Funding (\$K)**

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Chief Information Officer					
Cybersecurity	20,136	30,795	30,795	21,364	-9,431
Total, Cybersecurity	20,136	30,795	30,795	21,364	-9,431
Corporate IT Program Support					
IT Planning, Architecture, and E-Government	3,900	3,982	3,982	3,694	-288
Corporate IT Project Management	1,500	1,574	1,574	1,460	-114
Office of the Chief Technology Officer	689	643	643	597	-46
Energy IT Services	19,046	9,667	9,667	13,861	+4,194
Total, Corporate IT Program Support	25,135	15,866	15,866	19,612	+3,746
Program Direction	33,614	35,401	35,401	33,188	-2,213
Total, Program Direction	33,614	35,401	35,401	33,188	-2,213
Use of Prior Year Balances				-2,205	-2,205
Total, Chief Information Officer	78,885	82,062	82,062	71,959	-10,103
Federal FTEs	129	129	129	125	-4

**Chief Information Officer
Explanation of Major Changes(\$K)**

FY 2015 vs FY 2014 Enacted

<p>Cybersecurity: Funding for CIO’s Cybersecurity program is reduced in FY 2015 due to the migration of operational cybersecurity activities (such as enterprise incident management services) to the Working Capital Fund’s (WCF’s) CyberOne business line, which includes Joint Cybersecurity Coordination Center (JC3) activities. The CyberOne business line was established in 2014 in the WCF and provides Department-wide cybersecurity tools, services, information sharing, and reporting. The CyberOne WCF has been accounted for in the DOE FY2015 Safeguard and Security (S&S) crosscut.</p> <p>In FY 2015, Cybersecurity program funding level will enable CIO to meet its highest priority requirements and adequately protect DOE systems and information from cyber threats or attacks. In FY 2015, CIO’s cybersecurity efforts will focus on strategic planning, Federal reporting, performance metrics, and DOE headquarters incident response. These include the proactive management and reporting for federal initiatives like the White House Cross Agency Priority (CAP) goals; Information Sharing and Safeguarding (IS&S); and DHS Continuous Diagnostics and Monitoring (CDM). Funding will also support internal DOE initiatives including the implementation of an enterprise CDM program and the integration of DOE’s distributed risk model framework. Funding will continue to provide security operations support to the unclassified systems under CIO purview, which are not covered under the JC3 operational scope. The JC3 is designed to provide enterprise incident response and information sharing, but the CIO is also responsible for the cybersecurity of DOE headquarters systems and local incident response.</p> <p>Corporate IT Program Support: DOE’s IT modernization initiative aims to improve mission effectiveness, create fiscal efficiencies, and provide the right level of security to our systems and information. It will enable a fundamental shift in the amount of physical infrastructure needed to support employees and mission support operations; will remove geographic barriers to collaboration. Energy IT Services (EITS) plans to transition all remaining federal employees and direct support contractors (approximately 9,000 individuals not currently supported by EITS) to the CIO Commodity IT services over FY 2014 – FY 2016. In order to successfully transition these employees, EITS will need to expand and upgrade the DOENet Wide-Area Network and Trusted Internet Connection to provide connectivity to all federal locations and support the increased network traffic.</p> <p>Program Direction: Reduced funding for salary and benefits and other overhead expenses reflects lower FTE level.</p>	<p>-9,431</p>
<p>Use of Prior Year Balances</p>	<p>-2,205</p>
<p>Total, Chief Information Officer</p>	<p>-10,103</p>

Chief Information Officer Cybersecurity

Description

Cybersecurity fulfills the Department's statutory role under Federal Information Security Management Act (FISMA) and in accordance with the Department's Cybersecurity Order 205.1B. In FY 2014, approximately 25% of the CIO cybersecurity budget was dedicated to the following initiatives: implementing Cross Agency Priorities; facilitating Continuous Diagnostics and Monitoring; establishing cybersecurity metrics and dashboards; enhancing enterprise monitoring and data visualization; improving situational awareness; developing advanced cybersecurity analytics; providing Personally Identifiable Information (PII) and file inspection tools; implementing cybersecurity information sharing tools and services; and building Cloud Security incident response capabilities. These activities support cybersecurity operations and address emerging Federal cybersecurity requirements.

Incident Management

Incident Management is an enterprise-wide cyber defense and response program that provides vital threat detection, enterprise awareness, forensic analysis, and interagency reporting capabilities to ensure a coordinated response to cyber attacks, in fulfillment of Department of Homeland Security requirements. The program also supports the identification and introduction of innovative cybersecurity processes, tools, and services.

In FY 2014, the Department established the CyberOne Working Capital Fund (WCF) line of business to support the Joint Cybersecurity Coordination Center (JC3). The JC3 provides: robust enterprise monitoring; responsive enterprise incident management; enterprise cybersecurity tools and services; and Department-wide information sharing and reporting, as well as coordination with other Federal Agencies and partners. Cybersecurity activities funded under WCF's CyberOne line of business reduce CIO's Cybersecurity funding level and enables enterprise incident management services to migrate to the JC3 structure.

FY 2015 activities will address:

- Supporting initiatives to improve JC3 capabilities, improve Incident Response (IR) focused in Cloud computing, and improving visualization of network activities for enhanced analysis.
- Improving enterprise situational awareness of cyber-related issues from a technical, operational, and strategic level.
- Supporting migrations efforts towards Trusted Internet Connection (TIC) requirements for federal information systems.
- Establishing Cybersecurity Threat Analysis capability to improve situation awareness to laboratory and field sites.

Cybersecurity Program Management Office (PMO)

PMO supports implementation of cybersecurity activities, including the completion of mandated activities designed to increase situational awareness and bolster informed decision-making. Such initiatives include managing the Enterprise Risk Management strategy, as well as satisfying federally mandated IT security configuration requirements and the reporting of automated security metrics.

FY 2015 activities will address:

- Expanding PMO efforts to include Intelligence Community/Office of Intelligence, Office of Electricity, and senior DOE officials for cyber and IT governance;
- Refining Risk Management theory and implementation to improve continuous diagnostics and monitoring; information sharing and safeguarding; and ITC supply chain risk management; and
- Continuing support to the Department of Homeland Security Continuous Diagnostics and Monitoring (CDM) program development.

Policy, Guidance, and Planning (PG&P)

PG&P seeks to sustain statutory and legislative alignment and compliance; perform needs assessment and curriculum development for cybersecurity functional roles and responsibilities; and develop and maintain cutting-edge, agile policy and guidance for the Department, as required by DOE's Cybersecurity Order 205.1B.

FY 2015 activities will address:

- Improving FISMA reporting efforts through the development of automated data-gathering tools. (Note: This is independent of CyberScope and will improve the fidelity and timeliness of FISMA reporting through the CIO.)
- Continuing role-based training modules to include courses unique to DOE.

Cybersecurity

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Incident Management		
<ul style="list-style-type: none"> Consolidation of multiple Department-wide Enterprise Monitoring, Incident Management and Reporting activities into the Joint Cybersecurity Coordination Center (JC3) to improve efficiencies, strengthen coordination, and unify efforts. Establishment of a protected out-of-band communications channel between DOE sites to enable the secure transmission of threat data, situational reports, and incident response information. Direct (local) security monitoring and remediation for unclassified network infrastructure under EITS. 	<ul style="list-style-type: none"> Incident Management will cover unclassified network incident response support, including support to EITS, the Department's unclassified backbone. CIO will sponsor cybersecurity initiatives, including technical reviews, proof of concepts, pilots, and first year operation and maintenance for evaluation of new technologies and advancing capabilities. 	<p>Reduction in Cybersecurity funding (-\$9,431) due to shift in JC3 activity funding under the Working Capital Fund (WCF), CyberOne business line.</p> <p>Cybersecurity activities funded under WCF enable incident management services to migrate to the JC3 structure.</p>
Enterprise Services (PMO)		
<ul style="list-style-type: none"> Newly structured PMO combines enterprise services with Program Support and special projects to establish a Cybersecurity Program Management Office. Begin implementation of the Enterprise Cyber Governance System (ECGS) capabilities using the RSA Archer Enterprise Governance, Risk and Compliance (eGRC) platform Road Map. Develop the Department's Continuous Monitoring Strategy and Program. 	<ul style="list-style-type: none"> Support in responding to inter-agency and internal senior management task requests for reviews of legislation, governance, and departmental publications, Plan of Actions and Milestones (POA&M) module support activities and planned expansion of the Supply Chain Risk Management (SCRM) Resource Center and threat analysis activities. Implement additional capabilities for ECGS. Implement the Continuous Monitoring Strategy and Continuous Diagnostics and Mitigation Program across the enterprise. 	<p>No change.</p>
Policy, Guidance, and Planning (PG&P)		
<ul style="list-style-type: none"> Maintain effective cybersecurity policy and guidance for the Department. 	<p>Mandated OMB reporting to include FISMA, POA&M and Cross Agency Priority (CAP) goals, fulfilling legislative requirements for Departmental role-based and awareness training and sustaining statutory and legislative alignment and compliance.</p>	<p>No change.</p>

Chief Information Officer Corporate IT Program Support

Description

The Corporate IT Program Support decision unit is made up of four subprograms focused on providing quality IT products and services and an efficient and effective IT platform: IT Planning, Architecture, and E-Government; Corporate IT Project Management; Office of the Chief Technology Officer; and Energy IT Services.

IT Planning, Architecture, and E-Government

IT Planning, Architecture, and E-Government is a DOE corporate initiative to maintain and improve information management and oversight 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:

- IT Portfolio Management via a Capital Planning and Investment Control process
- Enterprise Architecture Program
- IT Governance and Policy Program
- Federal Records Management Program
- Spectrum Management Program
- DOE Privacy Program

In order to continue to provide essential Departmental IT management programs, the CIO will implement two key strategies to more effectively manage corporate IT programs: (1) enhance partnerships with DOE organizational elements to identify opportunities for process improvement and streamlining; and (2) implement reporting and oversight tools to support improved IT management decision-making.

Corporate IT Project Management

The Corporate IT Project Management Office (PMO) leads the development and execution of Department-wide corporate information management (IM) projects which span multiple program lines. Through the development and implementation of a project maturity framework, PMO is tasked with delivering successful IM projects across DOE program and staff offices, as well as DOE field sites. PMO actively manages 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 responsible for the data collection, analysis and reporting of DOE's progress and compliance with the Federal Data Center Consolidation Initiative (FDCCI). The PMO is also a corporate partner with the DOE Sustainability Performance Office (SPO) in defining and implementing Electronic Stewardship and Data Center sustainability goals, policies and guidance. In addition, the PMO, working with the SPO, has implemented a comprehensive data center energy efficiency assessment tool (DC-Pro) that assists data center managers in understanding their energy profile and identifying optimization projects and efforts to improve energy and operational efficiencies. As a proof-of-concept, the PMO has initiated an Energy Savings Performance Contract (ESPC) to consolidate two data centers, which will result in \$8M of annual savings.

FY 2015 activities will address:

- Initiating DOE Public Key Infrastructure (PKI) Cloud service in operations & maintenance phase;
- Completing implementation of measures to establish a fully functional Maturity Level 5 PMO;
- Providing support, guidance, and information to foster Federal and Contractor Project Management training requirements (Agency, Project Management Institute, Project Execution Methodology, etc.);
- Implementing PMO as a service program;
- Developing and provide information and guidance of Vendor/Contractor Project Management;
- Maintaining awareness program through various venues and platforms (internal/external info-sessions, Powerpedia updates, DOE social networks, training sessions, etc.); and
- Updating Project Execution Methodology Templates (based on updates to Capitol Planning Investment Control (CPIC), Enterprise Architecture (EA), Cybersecurity, Records Management, and project management related documentation.

Office of the Chief Technology Officer

The Office of the Chief Technology Officer (CTO) provides mission IT support by offering strategic direction and vision for applying technology to enhance the mission of the Department. In addition, CTO establishes public-private partnerships to leverage technologies available in the marketplace, via crowd sourcing challenges such as the American Data Energy Challenge. CTO leads multiple enterprise programs to investigate and plan the deployment of services across DOE, including activities focused on citizen engagement. In addition, CTO has been asked to lead numerous federal initiatives to mature federal IT infrastructure by establishing a Technology Advisory Board to leverage DOE lab solutions for the IT enterprise. Specifically, CTO manages the interests of the entire DOE enterprise, including the National Laboratories, program offices, plants, and site offices, by working to develop beneficial collaborations with relevant IT stakeholders.

Energy IT Services (EITS)

Energy IT Services (EITS) enables mission programs and operations with effective IT products and services while promoting economic sustainability and delivering IT services to customers in DOE Headquarters and field sites. EITS provides hardware and software, desktop seat management, application hosting and housing, integrated security, voice, video and data networking, and IT professional services. EITS also supports the Nation's Homeland Security effort in several areas.

EITS faces several challenges such as increased demands related to evolving technology requirements and increased complexity of integrating secure solutions across an expanding service provider marketplace. In meeting the identified challenges, EITS is continuing a service transformation to be more cost competitive, secure, predictable, transparent, and agile.

Cyber Designated Approval Authority/Certification and Accreditation: This category covers certification and accreditation of enclaves to support the Designated Approval Authority and maintenance of a Program Cyber Security Plan/Risk Management Approach and National Security Systems Cyber Security Documents.

The IT Modernization Plan will improve mission effectiveness, create fiscal efficiencies, and provide the right level of security to our systems and information. The modernization strategy will take advantage of ongoing efforts; will ultimately enable a fundamental shift in the amount of physical infrastructure needed to support employees and mission support operations; will remove geographic barriers to collaboration; and will create a model environment within government that positions DOE as the employer of choice while improving job retention.

EITS plans to transition all remaining federal employees and direct support contractors (approximately 9,000 individuals not currently supported by EITS) to the CIO Commodity IT Services over FY 2014 – FY 2016. In order to successfully transition these employees, EITS will need to expand and upgrade the DOENet Wide-Area Network and Trusted Internet Connection (TIC) to provide connectivity to all federal locations and support the increased network traffic.

Action Item	Tentative Completion
Transition EERE Golden	FY 2014 Q3
Office of Science site discoveries	FY 2015 Q1
Deploy new TIC Hardware	FY 2015 Q2
Increase existing DOENet TIC circuits	FY 2015 Q2
Transition Idaho Operations Office	FY 2015 Q2
Transition NETL	FY 2015 Q3
Transition SPRO	FY 2015 Q4
Transition RMOTC	FY 2015 Q4
Office of Science site discoveries	FY 2016 Q1
Transition SC Headquarters, TJ Site Office	FY 2016 Q2
Transition Ames, Argonne, Fermi, Chicago Site Offices	FY 2016 Q3
Transition Brookhaven, Oak Ridge, Princeton Site Offices	FY 2016 Q3
Transition Berkeley, Pacific Northwest, Stanford Site Offices	FY 2016 Q4

Corporate IT Program Support

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
IT Planning, Architecture, and E-Gov		
Funding supports execution of essential IT management programs required for statutory and OMB guidance compliance.	Efforts will be focused on IT Portfolio Management and Reporting, IT Council leadership and support, IT Policy Development and maintenance, CIO Strategic Planning, Records Management Program, Privacy Program, Spectrum Management, and E-Government Initiative oversight.	No significant change. (-\$288)
Corporate IT Project Management		
Funding supports development and implementation of the principles upon which corporate Cross organizational IT projects will be managed. Staffing will be provided to enhance DOE's IT Sustainability program. Coordination and planning associated with DOE's transition to the Internet Protocol version 6 (IPv6) networking protocol, scheduled for completion by September 30, 2014.	Funding supports IT project development and implementation for IT Sustainability, Public Key Infrastructure(PKI), Identity, Credential, and Access Management (ICAM) project management, Internet Protocol version 6 (IPv6), Enterprise Mobility, and PMO.	Decrease (-\$114) reflects completion of Internet Protocol version 6 (IPv6) networking protocol transition.
Office of the Chief Technology Officer		
Funding provides for increased advocacy for IT innovation; fostering emerging and disruptive technologies; establishing public-private partnership initiatives; assessing technology architectures and policy; and promoting inter-agency technology collaboration and partnerships.	In FY 2015, CIO is combining the Office of the Chief Technology Officer with the existing Technology Evaluation Office. With this realignment, funding will be used to establish and execute a vendor management system to track and provide analysis of outside vendors seeking business opportunities with CIO, define technology architecture and standards for key enterprise service domains, assist with federal IT reform efforts, define policies and guidelines to ensure efficient and effective IT management, and identify opportunities to define and deliver new mission-focused IT services.	No significant change. (-\$46)
Energy IT Services		
An initial step in the IT modernization plan is the migration of EERE's Golden office to EITS desktop services during FY 2014.	Energy IT Services (EITS) will deliver base operational services; provide service catalog-based products and services; implement operational upgrades to maintain and support base operations; and deliver refreshment of hardware/software as part of base operations. As part of DOE's IT modernization plan, approximately 9,000 users	Increase (+\$4,194) supports DOE's IT modernization initiative.

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
	<p>(federal employees and direct support contractors not currently supported by EITS) will be transitioned to CIO IT Services. As part of this effort, EITS will expand and upgrade the DOENet Wide-Area Network and Trusted Internet Connection (TIC) to provide connectivity to all federal locations and support increased network traffic. Hardware upgrades required to support the full future load are estimated to be \$5.7M. Office of Science sites will be transitioned to EITS desktop services beginning in FY 2014.</p>	

Chief Information Officer Program Direction

Overview

Program Direction provides Federal staffing and associated costs for the overall management of activities carried out by the Chief Information Officer (CIO).

Program Direction funding provides resources needed to carry out Departmental activities of the CIO, including the operation and delivery of Department-wide information technology and telecommunication infrastructure services; policy development; IT strategic planning; IT governance process support, enterprise architecture development; program and field oversight; reviews and assistance visits; records management oversight; Enterprise-wide agreements; IT procurement; IT operations support; contingency planning; and inter-agency coordination.

The balance of the Department's IT portfolio funding is directly managed by the Department's program offices and their field sites and laboratories. The CIO exercises Clinger-Cohen related IT portfolio management responsibilities in reviewing IT business cases and portfolio requests of all Departmental program elements.

**Program Direction
Funding (\$K)**

FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
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Program Direction Summary

Washington Headquarters

Salaries and Benefits	19,109	22,394	22,394	20,863	-1,531
Travel	204	181	181	208	+27
Support Services	6,576	3,690	3,690	3,424	-266
Other Related Expenses	7,725	9,136	9,136	8,693	-443
Total, Program Direction	33,614	35,401	35,401	33,188	-2,213
Federal FTEs	129	129	129	125	-4

Support Services and Other Related Expenses

Support Services

Technical Support Services	880	1,669	1,669	1,549	-120
Business, Finance, and Procurement	2,296	2,021	2,021	1,875	-146
E-Government Support	3,400	—	—	—	—
Total, Support Services	6,576	3,690	3,690	3,424	-266

Other Related Expenses

Training	132	96	96	120	+24
Working Capital Fund	7,006	8,181	8,181	7,714	-467
DOECOE	587	859	859	859	—
Total, Other Related Expenses	7,725	9,136	9,136	8,693	-443

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
Funding supports staff who monitor (oversight and audit) activities to ensure appropriate and cost-effective information protection measures are applied to information technology assets.	Continuation of FY 2014 activities, as well as monitoring (oversight and auditing) activities to ensure appropriate and cost-effective information protection measures are applied to information technology assets.	Decrease (-\$1,531) due to a reduction of 4 FTEs. Prior year carryover balances will be used to offset any increases associated with cost of living adjustments.
Travel		
Instituted travel ceilings in accordance with Secretarial initiative to accomplish a reduction in travel costs.	Continuation of FY 2014 activities. Travel supports federal staff who are required to attend mission-critical training and development events. Funds are also used to facilitate communication with field sites.	No significant change. (+\$27)
Support Services		
Technical Support Services funding utilized to maintain operations and requirements within the front office of the CIO. Funding is used for contractor support activities.	Funding reduced to sustain operations within the front office of the CIO. Funds support contractor activities and memberships/subscription services.	Reduction (-\$120) due to continuing transfer of responsibilities from contractor to federal staff.
Business, Finance, and Procurement funding is used to maintain contractor activities in the areas of Budget and Internal Controls, Acquisitions and Human Capital. These activities are critical to ensuring programmatic operations and accomplishment of program goals.	Funding used to maintain contractor activities in the areas of Budget and Internal Controls, Acquisitions, and Human Capital. These activities are critical to programmatic operations and accomplishment of program goals.	Reduction (-\$146) due to continuing transfer of responsibilities from contractor to federal staff.
Other Related Expenses		
Training funds for 129 FTEs to ensure employees are appropriately trained to perform their duties.	Continuation of FY 2014 activities, with additional training funds required to supplement CIO's continued effort to provide training and development opportunities to its federal staff.	No significant change. (+\$24)
Working Capital Fund (WCF) funding supports facility requirements and overhead costs.	In FY 2015, the projected customer costs, as identified in guidance from the WCF manager, will increase by 22%.	Reduction in funds (-\$467) reflects guidance from the WCF manager, based on reduction in FTEs.
DOECOE funds are used to provide IT services and hardware to employees across a secure network.	Continuation of FY 2014 activities.	No change.

Congressional & Intergovernmental Affairs Program Direction

Overview

The Office of Congressional and Intergovernmental Affairs (CI) contributes 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, and other stakeholder organizations. Specifically, CI is responsible for:

- Developing, managing and ensuring coordination, policies, and direction of relationships between all Departmental organizations in their interaction with external stakeholders.
- Developing and recommending legislative strategies in connection with the Department's policy and program initiatives.
- Working with Members of Congress, their staffs, and Committees to define, articulate and advance DOE's position on pending legislation; implementing national policy priorities as enacted into law by the Congress; and notifying Members of Congress regarding pending awards/grants/contracts that have an impact upon the Member's state and District.
- Working with Governors and their staffs, local elected and appointed officials, as well as Tribal leaders to provide information on DOE activities and decisions; articulating and advancing DOE's position on pending legislation; notifying them regarding pending awards/grants/contracts that have an impact on their constituencies; and eliciting concerns and interests to assure their consideration in DOE decision processes.
- Coordinating engagement with private industry and public interest groups to provide information and assistance in regard to Department programs and activities of special concern.
- Providing timely notifications to Members of Congress, Governors, Mayors, 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.
- Coordinating Congressional briefings, meetings and Committee markups to monitor, inform, and advocate on behalf of the Department in the legislative process.
- Directing and coordinating the preparation of testimony and briefing materials for Congressional hearings and meetings, as well as gubernatorial and tribal events.
- Coordinating Congressional hearing statements, transcripts, pre- and post-hearing questions and answers, and inserts for the record promoting timely responses, completeness of content, and consistency with Administration policies.

Highlights of the FY 2015 Budget Request

The Department requests \$6.3 million in FY 2015 for CI. In recent years, CI's activities have been sustained through the use of carryover balances. As carryover balances become exhausted, CI is seeking funding consistent with its operational needs in FY 2015 and beyond. An increase of \$1.6 million is requested to fund Intergovernmental and External Affairs functions and an enhanced and coordinated Departmental effort on grid modernization which requires targeted congressional and intergovernmental outreach activities.

**Program Direction
Funding (\$K)**

FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
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Program Direction Summary

Washington Headquarters

Salaries and Benefits	3,057	3,193	3,181	4,656	+1,463
Travel	30	30	50	95	+65
Support Services	371	177	216	234	+57
Other Related Expenses	1,063	1,300	1,253	1,315	+15
Total, Program Direction	4,521	4,700	4,700	6,300	+1,600
Federal FTEs	27	25	31	34	+9

Support Services and Other Related Expenses

Support Services

Management Support					
Print & electronic Information subscription services	109	67	70	75	+8
Contractor support	—	—	91	100	+100
DOECOE (moved to "Other Related Expenses" in FY 2014) ¹	195	—	—	—	—
Other, including office maintenance, furniture, courier, etc.	67	110	55	59	-51
Total, Support Services	371	177	216	234	+57

Other Related Expenses

Training	23	24	24	25	+1
DOECOE (moved from "Support Services" in FY 2014)	—	216	214	238	+22
Working Capital Fund	1,040	1,060	1,015	1,052	-8
Total, Other Related Expenses	1,063	1,300	1,253	1,315	+15

¹ DOECOE cost accounting moved from "Support Services" to "Other Related Expenses" in FY 2014 to align accounting of similar costs in program direction.

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
<p>For FY 2014, CI's FTE requirement supports minimum CI operations and intergovernmental outreach, necessitating prior year unobligated balances to be used to maintain the FY 2013 staffing level and support additional staffing of 4 FTEs, for a total of 31 FTEs.</p>	<p>Funding will be used to support the FY 2015 CI operational level and expanded intergovernmental outreach, for a total staffing level of 34 FTEs.</p> <p>With the requested funding, the office will:</p> <ul style="list-style-type: none"> • Improve the timeliness and efficiency of information sharing between DOE offices and state and local governments. • Provide reliable and efficient contact for state and local representatives who have questions or ongoing concerns with DOE. • Work with DOE programs to support state and local participation in technical assistance programs. • Meet and coordinate with state and local government representatives on their respective goals and strategies for their energy programs, policies and plans. • Engage with leaders of associations of state and local government officials (such as the National Governors Association) to identify and share best practices and develop implementation strategies. Coordinate Department participation in these association events to ensure proper representation and consistency in communication of DOE policy, programs and goals. • Facilitate DOE efforts on grid modernization programs to include convening Departmental officials with regulators, utilities, state and local interest groups, consumer groups, and other relevant NGOs to effectively develop, share and deploy energy policies and programs. 	<p>The funding increase (+\$1,463) provides support consistent with CI's operational level, as well as critical staffing requirements to provide outreach to the states, local governments and key stakeholders as well as grid modernization activities.</p>

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Travel		
<p>Funding supports additional travel requirements for CI's intergovernmental outreach and coordination. CI estimates an additional \$20 will be required to meet the needs for enhancing the Department's intergovernmental outreach. Prior year unobligated balances will be used to fully fund CI's additional travel requirements.</p>	<p>Along with the additional staffing, an increased travel budget supports a more robust two-way exchange of information with state and local governmental officials, as well as key stakeholders, to effectively develop, share and deploy energy policies and programs.</p>	<p>Funds will be used to support CI mission to meet and work with state, local governmental officials, and key stakeholders. Additional funds (+\$65) are requested in FY 2015 to increase support for grid modernization activities and intergovernmental outreach activities.</p>
Support Services		
<p>The majority of costs associated with CI's support services are related to the acquisition of annual subscriptions to information sources which are essential resources to ensure staff is well-informed of congressional and intergovernmental activities and interests, and to efficiently communicate with Congressional members, their staffs, as well as state and local government officials.</p>	<p>Requested funding will be used to maintain access to critical information and support sources for the increased staff level.</p>	<p>The increase (+\$57) will meet the support needs of the additional CI staffing to cover access to subscription information, and address anticipated inflationary increases on continuing subscription costs and support services for FY 2015.</p> <p>Note: Starting in FY 2014, DOECO cost accounting was moved from "Support Services" to "Other Related Expenses."</p>
Other Related Expenses		
<p>Includes Working Capital Fund (WCF), DOECO, as well as staff development and training.</p>	<p>Continuation of FY 2014 activities and to support the business costs associated with the Department's WCF (office space, phones, utilities, etc.); DOECO (IT equipment and support); E-Government costs; as well as staff development and training to maintain and enhance work related skills and capabilities.</p>	<p>The increase (+\$15) will address the anticipated inflationary increases over FY 2014 overhead and IT equipment and support costs.</p> <p>Note: Starting in FY 2014 DOECO cost accounting was moved from "Support Services" to "Other Related Expenses."</p>

Office of Small and Disadvantaged Business Utilization Program Direction

Overview

The Office of Small and Disadvantaged Business Utilization (OSDBU) is responsible for maximizing contracting and subcontracting opportunities for small businesses interested in doing business with the Department. A primary responsibility of OSDBU is to work in partnership with DOE program elements to achieve Departmental prime and subcontracting small business goals set forth by the U.S. Small Business Administration (SBA).

To achieve its mission, OSDBU is tasked with monitoring, enforcing, and strengthening DOE programs and policies by implementing a wide range of initiatives that strengthen small and disadvantaged business support at the Department.

In FY 2015, OSDBU will work to enhance the Department's small business program and enable it to more effectively perform its statutory requirements. Priority activities include: subcontracting policy, Mentor Protégé Program policy, data analysis of prime and subcontracting procurement base (metrics and quality assurance program), SBA's implementation of the 2010 Small Business Jobs Act (Multiple Award Contract final rule, Mentor Protégé final rule, etc.), consolidation of the Department's small business forecast, and execution of small business outreach.

OSDBU provides for 6 federal staffing responsible for the overall direction and administrative support of the office.

Highlights of the FY 2015 Budget Request

In December 2013, the Office of Small and Disadvantaged Business Utilization (OSDBU) was established as a first tier organization that reports to the Secretary, in compliance with the National Defense Authorization Act of 2013. The budget changes are included in the FY 2015 request to memorialize the Memorandum of Understanding (MOU) agreement signed in FY 2014 between ED and OSDBU to effect this change. In FY 2015, OSDBU is requesting that all of its funding be consolidated under program direction.

In FY 2015, the OSDBU program (along with its 6 FTEs) will be moved from the Office of the Economic Impact and Diversity and established as a separate program office within the Departmental Administration (DA) account. The transfer of the OSDBU function and support activities, along with federal staff, will have a net zero effect on the DA topline.

In FY 2015, OSDBU will build upon FY 2014 activities, meanwhile shifting focus to small business outreach, program office in-reach, policy development, and enhanced data analysis to impact policy and decision-making.

**Office of Small and Disadvantaged Business Utilization
Funding (\$K)**

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2014 Operating Level¹	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Office of Small and Disadvantaged Business Utilization						
Program Direction	—	—	—	1,253	2,253	+2,253
Program Support	—	—	—	1,250	—	—
Total, Small and Disadvantaged Business Utilization	—	—	—	2,503	2,253	+2,253
Federal FTEs	—	—	—	6	6	+6

¹ In FY 2014, OSDBU will operate under an MOU with ED until the program is established as an independent DA office in FY 2015.

**Program Direction
Funding (\$K)**

FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2014 Operating Level ¹	FY 2015 Request	FY 2015 vs FY 2014 Enacted
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Program Direction Summary

Washington Headquarters

Salary & Benefits	—	—	—	1,013	1,013	+1,013
Travel	—	—	—	12	20	+20
Support Services	—	—	—	—	1,000	+1,000
Other Related Expenses	—	—	—	228	220	+220
Total, Program Direction	—	—	—	1,253	2,253	+2,253
Federal FTEs	—	—	—	6	6	—

Support Services and Other Related Expenses

Support Services

Mentor Protégé Program	—	—	—	—	80	+80
Policy and Data Analysis	—	—	—	—	300	+300
Consolidated Acquisition Forecast	—	—	—	—	95	+95
Communications and Management Support Services	—	—	—	—	140	+140
Other Advisory and Assistance Services	—	—	—	—	385	+385
Total, Support Services	—	—	—	—	1,000	+1,000

Other Related Expenses

DOECOE	—	—	—	40	40	+40
Working Capital Fund	—	—	—	167	167	+167
Training	—	—	—	21	13	+13
Total, Other Related Expenses	—	—	—	228	220	+220

¹ In FY 2014, OSDBU will operate under an MOU with ED until the program is established as an independent DA office in FY 2015. FY 2014 Operating level does not include \$1,250 available in ED's Minority Economic Impact program support line for OSDBU-related program activities.

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
<p>In FY 2014, staff was funded under the Office of Economic Impact and Diversity (ED).</p> <p>Under a Memorandum of Understanding (MOU) with ED, FY 2014 Operating level (\$1,013) provides for salaries and benefits for 6 full-time Federal employees to support the Department with small business outreach activities.</p>	<p>Funding (\$1,013) covers salaries and benefits for 6 full-time Federal employees.</p>	<p>Funding (+\$1,013) covers salaries and benefits for 6 full-time Federal employees.</p>
Travel		
<p>In FY 2014, travel was funded under ED.</p> <p>Under an MOU with ED, FY 2014 Operating level (\$12) supports travel for essential outreach to small and disadvantaged businesses, including women-owned, veteran-owned, HUB-zone, etc.</p>	<p>Funding (\$20) supports travel for essential outreach to small and disadvantaged businesses, including women-owned, veteran-owned, HUB-zone, etc., with slight increase to support small business outreach activities.</p>	<p>Funding (+\$20) covers travel activities associated with small business outreach efforts.</p>
Support Services		
<p>In FY 2014, Support Services was funded under ED's program support line.</p> <p>In FY 2014 Operating level, OSDDBU is using \$1,250 in program support dollars, located in the ED's OSDDBU program line activity (in accordance with a signed MOU agreement between ED and OSDDBU) for small business outreach activities, including contractor services to provide technical assistance and administrative services to support OSDDBU outreach activities. Other activities include:</p> <ul style="list-style-type: none"> 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 	<p>Funding (\$1,000) provides for OSDDBU support services. All of OSDDBU program activities will be consolidated under program direction (support services) in FY 2015.</p> <p>OSDDBU maintains a staff of 4 acquisition specialists. Thus, support service contractors are critical to enhancing advocacy for small businesses at the Department.</p> <p>OSDDBU will employ support services contractors to enhance the Department's small business program and enable it to more effectively perform its statutory requirements. An abbreviated list of priorities the support service contractors will address include subcontracting policy, Mentor Protégé Program policy, data analysis of prime and subcontracting procurement base (metrics and quality assurance program), SBA's implementation of the 2010 Small Business Jobs Act (Multiple Award Contract final rule, Mentor Protégé final rule, etc.), the Department's</p>	<p>Funding increase (+\$1,000) reflects shift from ED's OSDDBU program support activity to program direction in FY 2015. Specifically, funding for ED's small business program activities (\$1,000) will transfer to program direction support services in the newly established OSDDBU office.</p> <p>Slight reduction in OSDDBU program activity funding from FY 2014 Operating level (-\$250) due to a shift in funds to support the newly established minority business enterprise program in ED.</p>

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
<p>procurements exclusively for small businesses, and requires procurement officials to justify through a waiver process if a large business is considered for award instead of a small business.</p> <ul style="list-style-type: none"> • 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 and close collaboration with the White House Interagency Task Force on Small Business and the SBA 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. 	<p>small business forecast and execution of small business outreach.</p>	
Other Related Expenses		
<p>In FY 2014, Other Related Expenses was funded under ED.</p> <p>Under an MOU with ED, FY 2014 Operating level (\$228) provides OSDBU funding for computer hardware and software services, working capital fund contributions, and necessary supplies. Funding also provides for employee training and education, such as Contracting Officer Technical Representative recertification for staff.</p>	<p>Funding (\$220) provides for computer hardware and software services, WCF contributions, and necessary supplies, as well as acquisition specialist staff training costs.</p>	<p>Funding (+\$220) supports WCF, IT, and other necessary expenses, including training for program staff.</p>

Economic Impact and Diversity

Overview

The Office of Economic Impact and Diversity (ED) advises the Secretary of Energy on the effects of energy policies, regulations, and other actions of the Department on individuals, populations and institutions. To achieve its mission, ED is tasked with monitoring, enforcing, and strengthening DOE programs and policies by implementing a wide range of initiatives that address underrepresentation of minorities; women; veterans; and American Indians in Departmental programs and activities. ED also enforces compliance at DOE with Titles VI & VII of the 1964 Civil Rights Act and Title IX of the Education Amendments Act of 1994.

Highlights of the FY 2015 Budget Request

In FY 2015, ED's budget reflects a decrease of approximately \$2.5 million as a result of the Office of Small and Disadvantaged Business Utilization (OSDBU) function and staff moving into a separate program office within the Departmental Administration (DA) account, in accordance with statutory direction. Additional funding is requested to establish a new Minority Business Enterprise Program in ED (+\$250) and to provide support for three additional program staff (+\$544).

Budget Structure Changes

In December 2013, the Office of Small and Disadvantaged Business Utilization (OSDBU) was established as a first tier organization that reports to the Secretary, in compliance with the National Defense Authorization Act of 2013. In FY 2014, funding for the OSDBU program activity is being managed by the Director of OSDBU, in accordance with a Memorandum of Understanding (MOU) signed by ED and OSDBU in December 2013. As a result, the FY 2014 Operating level reflects a reduction in ED's program direction line (-\$1,253) for costs associated with 6 FTEs in OSDBU; and a reduction in ED's program support line (-\$1,250) for small business program activities.

The budget changes below are included in the FY 2015 request to memorialize the MOU agreement. In FY 2015, the OSDBU function, along with its associated funding (\$2,253) and staff (6 FTEs) will transfer into the new DA OSDBU program office.

Comparability Matrix (\$K)

	FY 2015 Proposed Budget Structure			Total
	Office of Small & Disadvantaged Business Utilization	Economic Impact & Diversity		
	Program Direction	Program Direction	Minority Economic Impact	
FY 2014 Enacted Budget Structure				
Economic Impact & Diversity				
Program Direction	—	5,574	—	5,574
Minority Economic Impact (includes OSDBU program activity)	—	—	1,673	1,673
Total, Economic Impact & Diversity	—	5,574	1,673	7,247
Small & Disadvantaged Business Utilization	2,253	—	—	2,253
Total, Small & Disadvantaged Business Utilization	2,253	—	—	2,253

**Economic Impact and Diversity
Funding (\$K)**

	FY 2013 Current	FY 2014 Enacted¹	FY 2014 Current	FY 2014 Operating Level²	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Economic Impact and Diversity						
Program Direction	5,456	6,197	6,197	4,944	5,574	-623
Minority Economic Impact	1,748	2,759	2,759	1,509	1,673	-1,086
Total, Economic Impact and Diversity	7,204	8,956	8,956	6,453	7,247	-1,709
Federal FTEs	31	31	31	25	28	-3

¹ FY 2014 Enacted level includes funding for the OSDBU program staff and activities (\$1,253 for program direction; \$1,250 for program support).

² In FY 2014, funding for the OSDBU program activity is being managed by the Director of OSDBU, in accordance with an MOU agreement signed with ED. As a result, Operating level for ED reflects a reduction of -\$1,253 in program direction for costs associated with 6 FTEs in OSDBU; and a reduction of -\$1,250 in program support for small business program activities in OSDBU.

Economic Impact and Diversity Program Direction

Overview

Program Direction provides for 28 federal staff responsible for the overall direction and administrative support of the Office of Economic Impact and Diversity (ED).

Highlights of the FY 2015 Budget Request

In FY 2015, the Office of Small and Disadvantaged Business Utilization (along with its 6 FTEs) will be moved out of ED and stood up as a separate and distinct office within the Departmental Administration (DA) account. ED is requesting an additional 3 FTEs to assist DOE program offices to better engage with minority businesses, populations, and communities to ensure that all individuals are provided full and equal opportunity to participate in DOE programs and activities.

**Economic Impact and Diversity
Program Direction
Funding (\$K)**

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2014 Operating Level¹	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Program Direction Summary						
Washington Headquarters						
Salaries and Benefits	3,976	4,374	4,374	3,361	3,823	-551
Travel	60	58	58	46	56	-2
Support Services	580	756	756	735	731	-25
Other Related Expenses	840	1,009	1,009	802	964	-45
Total, Program Direction	5,456	6,197	6,197	4,944	5,574	-623
Federal FTEs	31	31	31	25	28	-3
Support Services and Other Related Expenses						
Support Services						
Reviews of Technical Operations and the Employee Concerns						
Program Database	283	383	383	383	371	-12
Training and Education	90	103	103	103	98	-5
Civil Rights and Outreach Programs Support	207	270	270	270	262	-8
Total, Support Services	580	756	756	756	731	-25
Other Related Expenses						
DOECOE	190	165	165	165	149	-16
Working Capital Fund	650	844	844	844	815	-29
Total, Other Related Expenses	840	1,009	1,009	1,009	964	-45

¹ In FY 2014 Operating Level reflects a reduction of -\$1,253 for program direction costs associated with 6 OSDBU staff, in accordance with the MOU agreement.

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
Funding covers salaries and benefits for 31 full-time Federal employees, including 6 FTEs for the Office of Small and Disadvantaged Business Utilization.	Funding covers salaries and benefits for 34 full-time Federal employees, including 3 new FTEs to support ED leadership in the functional areas of civil rights enforcement, small business outreach, and diversity and inclusion activities.	Decrease slightly (-\$551) due to transfer of the OSDBU function in FY 2015. An additional 3 FTEs are requested to support civil rights, minority economic impact, and diversity programs at the Department.
Travel		
Travel is within Departmental constraints and supports essential outreach to minority communities, populations, and small businesses; travel also supports accomplishment of legislatively mandated Title VI and Title IX reviews.	Continuation of FY 2014 activities.	Slight decrease (-\$2) due to reduction in FTE level.
Support Services		
Use of contractor services to provide technical assistance and administrative services to support the Office of Civil Rights, including reviews of operations, the Employee Concerns Program database, counseling, and investigations of discriminatory practices. Contract support is also required for employee training and education.	Continuation of FY 2014 activities. Cost savings will be realized through increased use of web-based training modules.	Decrease (-\$25) due to transfer of 6 FTES to the OSDBU program office plus cost savings due to use of free and/or web-based training opportunities.
Other Related Expenses		
Funding for computer hardware and software services, working capital fund contributions, and necessary supplies.	Continuation of FY 2014 activities.	Decrease (-\$45) due to reduction in FTE level.

Minority Economic Impact

Overview

ED carries out its mission with an organization comprised of three support offices, as described below:

The Office of Minority Economic Impact (OMEI) is responsible for developing programs to support Minority Serving Institutions (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 science, technology, engineering, and mathematics (STEM) organizations; and minority student groups about research, development, and contract opportunities at the Department.

In FY 2015, a newly established Minority Business Enterprise Program (+\$250) will provide technical assistance and directly aid in the development of minority communities, as described in P.L. 95-619. This program will conduct market research to identify aspects of the Department's programs and activities that represent business opportunities for minority enterprises, minority educational institutions, and other appropriate minority-based organizations. Technical assistance and outreach will be provided to minority businesses to encourage, promote, and assist with the establishment and expansion of energy-related businesses in minority communities.

The Office of Civil Rights (OCR) is responsible for monitoring and enforcing Equal Employment Opportunity (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 discriminatory practices.

The Office of Diversity and Inclusion (ODI) is the lead consultant and advisor for all aspects of diversity, inclusion, and equal opportunity within the Department's business lines and program missions. ODI is responsible for implementing actions across the DOE complex to improve mission execution and ensure compliance with DOE's Diversity and Inclusion Strategic Plan and Executive Order 13583. Implementing diversity and inclusion practices at the Department will facilitate system-wide culture change, position the agency as an employer of choice, and create a positive model for equal opportunity and inclusiveness in the workplace.

**Minority Economic Impact
Funding (\$K)**

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2014 Operating Level¹	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Program Support						
Minority Economic Impact	1,000	1,100	1,100	1,100	1,275	+175
Small & Disadvantaged Business Utilization	500	1,250	1,250	—	—	-1,250
Civil Rights	80	70	70	70	70	—
Diversity and Inclusion	168	339	339	339	328	-11
Total, Program Support	1,748	2,759	2,759	1,509	1,673	-1,086

¹ FY 2014 Operating Level for ED reflects a reduction of -\$1,250 for the Small & Disadvantaged Business Utilization program activities, which are being managed by the Director of OSDBU, in accordance with a signed MOU.

Minority Economic Impact

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Minority Economic Impact		
<ul style="list-style-type: none"> • Funding the MSI Grant Program that provides financial assistance to minority educational institutions and 501(3)(c) entities engaging in STEM-related programs and activities. • Administering the Minority Educational Institution Student Partnership Program that focuses on recruiting minorities and women in STEM for positions at Department of Energy Headquarters, National Laboratories, and field sites. • Conducting socioeconomic research and analysis that includes addressing environmental and energy-related concerns in underserved communities. • Supporting the Bank Deposit Financial Assistance Program that allows minority financial institutions to purchase certificates of deposits to provide loans to local minority and women-owned small business enterprises. 	<p>Continuation of FY 2014 activities. Additional funding requested to establish a new Minority Business Enterprise Program that will help develop and disseminate information on aspects of energy programs to minority business enterprises, minority educational institutions and other appropriate minority organizations. Funding for this activity will allow the Department to:</p> <ul style="list-style-type: none"> • Conduct market research, planning economic and business analysis, and feasibility studies to identify and define economic opportunities for minorities in energy research, production, conservation, and development. • Develop technical assistance programs to encourage, promote, and assist minority business enterprises in establishing and expanding energy-related business opportunities which are located in minority communities and that can provide jobs to workers in such Communities. • Assist minority business enterprises in the commercial application of energy-related technologies, expanding energy-related business opportunities which are located in minority communities and that can provide jobs to workers in such Communities. • Assist minority business enterprises in the commercial application of energy-related technologies. 	<p>Net change in funding (+\$175) reflects a slight reduction in funds (-\$75) available for financial assistance to MSIs and 501(c)(3) entities; and additional resources (+\$250) to support the newly established Minority Business Enterprise Program, will provide:</p> <ul style="list-style-type: none"> • Analysis of market research to identify aspects of the Department’s programs and activities that represent business opportunities for minority enterprises, minority educational institutions, and other appropriate minority-based organizations. • Technical assistance and outreach to minority businesses to encourage, promote, and assist with the establishment and expansion of energy-related businesses in minority communities.
Small and Disadvantaged Business Utilization		
<p>In FY 2014, the OSDBU program will operate under a Memorandum of Understanding (MOU) with ED until it is established as an independent program office within the Departmental Administration (DA) program account in FY 2015. Under the MOU, small business program activities will be funded at the FY 2014 enacted level of \$1,250.</p>	<p>In FY 2015, OSDBU will be established as a separate program office within the DA account. Approximately \$1,000 in program support dollars will transfer from ED to the new OSDBU office.</p>	<p>Change in small business program support dollars (-\$1,250) reflects a shift in funds (-\$250) to OMEI’s Minority Business Enterprise Program and a transfer of funds (-\$1,000) to the newly established OSDBU program in the DA account.</p>
Civil Rights		

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
<p>The Office is responsible for monitoring and enforcing Equal Employment Opportunity (EEO) for all Federal workers. As part of its enforcement responsibilities, the Office is responsible for:</p> <ul style="list-style-type: none"> • Managing the processing of discrimination complaints filed by DOE Federal workers. • Ensuring that recipients of Federal financial assistance do not engage in discrimination. • Managing the Department’s Employee Concerns Program (ECP) and advising DOE programs and field elements on the subject of employee concerns. • Assisting with the preparation of the EEO Commission’s MD715 Report and conducting a comprehensive review to measure progress in EEO and diversity, and developing a coordinated strategy to address barriers to EEO at DOE. 	<p>Continuation of FY 2014 activities.</p>	<p>No change.</p>
Diversity and Inclusion		
<p>Funding will support the Department’s implementation of the Diversity and Inclusion Strategic Plan, required by Executive Order 13583, including activities that support the plan, such as:</p> <ul style="list-style-type: none"> • Conducting diversity and inclusion training sessions; • Establishing external outreach and partnerships with stakeholders to determine best practices; • Developing a DOE-specific diversity and inclusion case study; • Hosting listening sessions, town halls, and web chats to address diversity and inclusion practices across the DOE complex; and • Sponsoring Special Emphasis programs designed to create awareness and educate employees about various cultures and groups of people. 	<p>Continuation of FY 2014 activities.</p>	<p>Slight reduction in funding (-\$11) needed to implement actions across the Department to improve diversity and inclusion practices.</p>

General Counsel Program Direction

Overview

The Office of the General Counsel (GC) is responsible for providing legal services to all DOE offices, and for determining the Department's authoritative position on any question of law with respect to all Department offices and programs, except for those belonging exclusively to the Federal Energy Regulatory Commission. GC's responsibilities include the provision of legal opinions, advice, and services to administrative and program offices, and participation in or management of both administrative and judicial litigation. GC is responsible for the coordination and clearance of proposed legislation affecting energy policy and Department activities. The General Counsel serves as the Department's Regulatory Policy Officer under Executive Order 12866, and is responsible for ensuring consistency and legal sufficiency of the Department's regulations. GC administers and monitors standards of conduct requirements, conducts patent program and intellectual property activities, and coordinates rulemaking actions of the Department with other federal agencies.

GC includes the Office of NEPA (National Environmental Policy Act) Policy and Compliance, which provides independent technical and policy reviews to ensure that proposed Department actions comply with the NEPA and related environmental requirements. This office also serves as the focal point of the Department's NEPA expertise, develops NEPA compliance strategies, coordinates with other agencies on key policy matters, and prepares guidance and provides technical assistance to improve the efficiency and effectiveness of DOE's implementation of the NEPA process. GC also includes the Office of Standard Contract management which manages the Standard Contracts for Disposal of Spent Nuclear Fuel and/or High-Level Radioactive Waste between the Department and the nuclear industry under the Nuclear Waste Policy Act. This office also manages the Department's Nuclear Waste Fund activities.

**Program Direction
Funding (\$K)**

FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
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Program Direction Summary

Washington Headquarters

Salaries and Benefits	22,758	23,034	23,034	23,050	+16
Travel	84	85	85	86	+1
Support Services	910	919	919	928	+9
Other Related Expenses	8,111	9,015	9,015	8,936	-79
Subtotal, Program Direction	31,863	33,053	33,053	33,000	-53
Use of Prior Year Balances	—	—	—	-2,000	-2,000
Total, Program Direction	31,863	33,053	33,053	31,000	-2,053
Federal FTEs	145	145	145	145	—

Support Services and Other Related Expenses

Support Services

Technical Support					
NEPA	900	909	909	918	+9
Intellectual Property	10	10	10	10	—
Total, Support Services	910	919	919	928	+9

Other Related Expenses

Government Agencies - Intellectual Property	343	347	347	351	+4
Information Technology	1,420	1,435	1,435	1,450	+15
Online Legal Resources	909	918	918	700	-218
Law Library Materials	189	191	191	192	+1
Working Capital Fund	5,021	5,944	5,944	6,061	+117
Miscellaneous	229	180	180	182	+2
Total, Other Related Expenses	8,111	9,015	9,015	8,936	-79

Program Direction

Activities and Explanation of Changes		
FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
Provides funding for 145 FTE to include salaries, benefits, overtime, etc.	Continuation of FY 2014 activities.	Slight increase (+\$16) is due to employee pay raise of 1%. Actual cost of Salary and Benefits in FY 2015 (\$23,050) will be offset by use of prior year balances (totaling \$2,000).
Travel		
Instituted travel ceilings in accordance with Secretarial initiative to accomplish a reduction in travel costs. Provides funding for travel for hearings, depositions, court proceedings, site visits, conferences, and training.	Continuation of FY 2014 activities.	Inflationary cost increase. (+\$1)
Support Services		
<i>NEPA</i> – (\$909) Provides contractor support for technical analysis of Environmental Impact Statements and other information required by the National Environmental Policy Act.	Continuation of FY 2014 activities. (\$918)	Inflationary increase in contractor support. (+\$9)
<i>Intellectual Property</i> – (\$10) Provides for outside patent law firms to process the Department’s intellectual property actions.	Continuation of FY 2014 activities. (\$10)	No change.
Other Related Expenses		
<i>Government Agencies-Intellectual Property</i> – (\$347) Provides for U.S. Patent Office costs of processing/maintaining DOE patents, trademarks, copyrights, etc.	Continuation of FY 2014 activities. (\$351)	Inflationary increase in expenses. (+\$4)
<i>Information Technology</i> – (\$1,435) Provides for all GC IT service including desktop workstations and support (DOE/COE), database systems hosting, FISMA reviews and reporting, etc.	Continuation of FY 2014 activities. (\$1,450)	Inflationary increase in expenses. (+\$15)
<i>Online Legal Resources</i> – (\$918) Provides for legal research resources such as Westlaw, LexisNexis, etc.	Continuation of FY 2014 activities. (\$700)	Reduction reflects a lower cost of Department-wide contracts. (-\$218)
<i>Law Library Materials</i> – (\$191) Provides for legal research materials.	Continuation of FY 2014 activities. (\$192)	Inflationary increase in expenses. (+\$1)
<i>Working Capital Fund</i> – (\$5,944) Provides for rent, telecommunications, lmanage, supplies, copiers, printing, etc.	Continuation of FY 2014 activities. (\$6,061)	Inflationary increase in expenses. (+\$117)
<i>Miscellaneous</i> – (\$180) Provides for training, National Archive records storage, E-Gov, office furniture, supplies, IT hardware/software, etc.	Continuation of FY 2014 activities. (\$182)	Inflationary increase in expenses. (+\$2)

Energy Policy and Systems Analysis Program Direction

Overview

The Office of Energy Policy and Systems Analysis (EPSA) serves as the principal policy advisor to the Secretary of Energy on energy and related integration of energy systems. The Office serves as a focal point for policy coordination within the Department on the formulation, analysis, and implementation of energy policy and related programmatic options and initiatives that could facilitate the transition to a clean and secure energy economy.

EPSA carries out strategic studies and policy analysis, and maintains and coordinates a supporting set of analytical capabilities. EPSA carries out assessments of the strength, resiliency, and anticipated challenges of national energy systems and identifies and prioritizes ways in which DOE programs may be strengthened to contribute to the economic well-being, environmental quality, and national energy security of the United States.

EPSA serves as the Secretariat of the multi-agency Quadrennial Energy Review (QER), and provides systems analysis to support this Administration initiative. The QER is the cornerstone of the Administration's commitment to establishing a comprehensive, integrated review of energy policy that is formulated with the active engagement of interagency and external stakeholders. The initial focus of the QER will be on the Nation's infrastructure for transporting, transmitting, and delivering energy. EPSA will advise the Secretary on DOE's energy policy and program strategies. EPSA coordinates with and helps to orchestrate technical assistance and advice to State and local entities on various energy policies and measures.

EPSA is comprised of six offices:

- Climate, Environment, and Efficiency (EPSA-20) serves as the Departmental focal point for the development, coordination, and implementation of DOE-related aspects of climate change and environmental policies and strategies to address impacts and vulnerabilities, including technical programs and initiatives.
- Energy Security (EPSA-30) serves as the focal point for policy analysis, analytic support, and advice relating to energy supply and demand and energy markets. It assists in developing long-term strategies to ensure energy security and to prepare for and respond to energy supply disruptions.
- Energy Systems and Integration (EPSA-40) analyzes complex interactions within the energy system, which requires integrating overlapping policies, including those related to all aspects of energy supply and demand, such as the electric grid and natural gas delivery infrastructure.
- Energy Finance, Incentives and Program Analysis (EPSA-50) serves as the focal point within the Department for coordinating the development of policies and programs to accelerate investment and deployment of clean energy technologies that make use of innovative financing incentives. This group provides technical analytic support and identifies opportunities that will promote investment and financing in the energy sector.
- State and Local Cooperation (EPSA-60) serves as the Departmental focal point for developing and carrying out coordinated strategies for assisting State and local authorities in assessing and implementing energy policies, programs and related activities.
- Secretariat for the Quadrennial Energy Review (EPSA-90) provides secretariat functions, including multiagency coordination and analytical support, for the development of the Administration's Quadrennial Energy Review.

Highlights of the FY 2015 Budget Request

EPSA is the Department's lead office for policy analysis and systems integration. In FY 2015, it will work to create comprehensive models for energy systems and address their economic impacts. EPSA will complete and release the QER and share it with stakeholders.

**Energy Policy and Systems Analysis
(Funding \$K)**

	FY 2013 Current¹ (former PI)	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Energy Policy and Systems Analysis					
Program Direction	19,780	16,181	16,181	38,545	+22,364
Environmental Policy Studies (PI)	501	—	—	—	—
Policy Analysis and Systems Studies	425	441	441	—	-441
Climate Change Domestic ²	5,285	2,647	2,647	—	-2,647
Total, Energy Policy and Systems Analysis	25,991	19,269	19,269	38,545	+19,276
Federal FTEs	100	51	51	64	+13

¹ FY 2013 funding supported the Office of Policy and International Affairs.

² The Climate Change Technology Program included shared international and domestic activities in FY 2014 Enacted. Thus, funding for this program was split between EPSA (\$2,647 for domestic activities) and International Affairs (\$2,835).

**Program Direction
Funding (\$K)**

	FY 2013 Current¹ (former PI)	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Program Direction Summary					
Washington Headquarters					
Salaries and Benefits	13,890	7,500	7,500	9,917	+2,417
Travel	1,000	300	300	400	+100
Support Services	1,190	6,156	6,156	25,138	+18,982
Other Related Expenses	3,700	2,225	2,225	3,090	+865
Total, Program Direction	19,780	16,181	16,181	38,545	+22,364
Federal FTEs	100	51	51	64	+13
Support Services and Other Related Expenses					
Support Services					
Subscriptions	45	400	400	400	—
Management Support Services	—	500	500	500	—
Technical Support Services	894	5,130	5,130	6,020	+890
Policy Analysis and Systems Studies	—	—	—	2,991	+2,991
Climate Change Technology Program	—	—	—	2,647	+2,647
Grid Modernization Project	—	—	—	7,850	+7,850
Customer Choice and Energy Related Decisions	—	—	—	4,600	+4,600
Other Support Services	251	126	126	130	+4
Total, Support Services	1,190	6,156	6,156	25,138	+18,982
Other Related Expenses					
Working Capital Fund	3,000	1,750	1,750	2,500	+750
Training	70	70	70	80	+10
DOECOE	630	405	405	510	+105
Total, Other Related Expenses	3,700	2,225	2,225	3,090	+865

¹ FY 2013 funding supported the Office of Policy and International Affairs.

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
<p>Funding will support 51 FTEs in carrying out the mission of the Office. Funding provides for salaries and benefits, performance awards, and other personnel-related costs.</p>	<p>In addition to the 51 FTE base, the FY 2015 request includes funding for an additional 13 FTEs, as detailed below:</p> <ul style="list-style-type: none"> • 3 FTEs for a resource management office • 2 FTEs to conduct and manage a study on the economic science aspects of customer choice and decision-making related to energy • 8 FTEs to manage EPSA’s grid modernization activities: <ul style="list-style-type: none"> ○ 2 additional FTEs to work on developing a grid modernization framework with federal, state, and local officials as well as PMAs and other stakeholder groups. ○ 3 additional FTEs to work on research, model analysis, and interaction with stakeholders to gather information for the study of new business models and systems of rate market design. 	<p>Increase in funding (+\$2,417) due to additional 13 FTEs.</p>
Travel		
<p>Funds will support assessments and other aspects related to coordinating the multi-agency Quadrennial Energy Review (QER), as well as support the domestic requirements of the Climate Change Technology Program.</p>	<p>Continuation of FY 2014 activities. In FY 2015, EPSA will play a more prominent role engaging State and local authorities on energy policy development.</p>	<p>Increase (+\$100) due to additional travel requirements for QER implementation, grid activities, and expansion on energy policy development.</p>
Support Services		
<p>Support Services includes funding from EPSA’s FY 2014 program direction line (\$6,156), as well as funding from two program support lines: Policy Analysis and Systems Studies (\$441) and the domestic portion of the Climate Change Technology Program (\$2,647). Funding will allow the office flexibility as it executes the QER and responds to other important policy requirements. Details provided in the following sections.</p>	<p>EPSA will consolidate all relevant policy analysis support lines into the Support Services program direction line beginning in FY 2015. Details provided in the following sections.</p>	<p>Increase in funding (+\$18,982) for QER, grid modernization, consumer choice study, and policy development activities. Details provided in the following sections.</p>

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
<p>Support services (\$6,156) for ongoing energy policy advice to the Secretary and QER activities. Includes technical support services (\$5,130); management support services (\$500); subscriptions (\$400); and other IT-related services, including SIPREnet and STRIPES (\$126).</p>	<p><i>Technical Support Services, Management Support Services, Subscriptions, and Other Support Services:</i> Continuation of FY 2014 activities. Funds will also provide for management support services; subscriptions; and other IT-related services.</p>	<p>Increase in funding for technical services (+\$890) related to QER as well as slight increase for IT-related support services (+\$4).</p>
<p>Climate Change Domestic funding line (\$2,647) will be paid for out of program support dollars, as enacted. These funds will be used for:</p> <ul style="list-style-type: none"> • 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. 	<p><i>Climate Change Domestic:</i> Continuation of FY 2014 activities. All continuing activities will be funded in program direction in FY 2015 and beyond.</p>	<p>Climate Change Domestic activities funded at \$2,647.</p> <p>Additionally, in an effort to consolidate all of EPSA's programs and activities, funds for this activity will shift from program support to direction in FY 2015.</p>

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
<p>Policy Analysis and System Studies (\$441) will be paid for out of program support dollars, as enacted. Funds allow the office to:</p> <ul style="list-style-type: none"> • Update U.S. energy supply and demand models, and U.S. and World-MARKAL models 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. • 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. • Quantify, at the regional level, the significance of water as a constraint on energy development; identify cases in which energy development has been hampered; and ascertain the contribution of water resource limitations on energy development. • 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. • 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. 	<p><i>Policy Analysis and System Studies:</i> Continuation of FY 2014 activities, with additional funding (+\$2,550) to continue to develop a systematic understanding of the trends in the regional and seasonal availability in water supplies affecting systemic risk in the Nation’s power system, as well as exploring issues related to the potential use of non-traditional water sources for energy needs. EPSA will conduct analyses and develop models and policies, while actively engaging with Federal, State, Local, and Tribal regulatory and policy leaders and other stakeholders from academia, national laboratories, and private, non-profit, and other stakeholders to develop solutions to shared problems.</p> <p>All Policy Analysis and System Studies activities will be funded in program direction in FY 2015 and beyond.</p>	<p>Increase in funding (+\$2,550) to conduct energy supply analysis and address systemic issues affecting the Nation’s power system.</p> <p>Additionally, in an effort to consolidate all of EPSA’s programs and activities in FY 2015, \$441 in Policy Analysis and System Studies funds will shift from program support to direction.</p>

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
No activity in FY 2014.	<p><i>Grid Modernization Project:</i> EPSA will use \$7,850 for Grid Modernization projects including:</p> <ul style="list-style-type: none"> • \$1,050 for building a framework for long-term collaboration. Given their complexity, institutional arrangements call for strong communication and engagement. This program leverages DOE's convening power, technical expertise, and modeling and analytical capabilities (including at our national laboratories and in the Power Marketing Administrations) to support robust decision making. Federal, State, and local efforts will be reinforced by engaging regional actors to examine critical regulatory issues and other areas of concern. Among the near-term grid operation issues to be addressed are renewable integration, incorporation of demand response, transmission siting, to name a few. • \$3,400 for exploring rate-based market design options and business models. Microgrids, distributed energy resources, greenhouse gas reductions all create new challenges of revenue adequacy and profitability for energy providers. This program will work with stakeholders, energy providers, investors and regulators to investigate and develop new business models and systems of rate market design to support development of the grid of the future. • \$3,400 for improving modeling and analytical tools to help inform energy-related decision-making. This program will harness the expertise of the Department, the national laboratories, and other institutions to develop analytical tools for stakeholders, regulators, and state energy officials so they can make decisions based on the best information available. 	Increase in funding (+\$7,850) due to new activity in FY 2015.

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
No activity in FY 2014.	<p><i>Customer Choice and Energy Related Decisions</i></p> <p>EPSA will use \$4,600 to develop a program of research on the economic science aspects of customer choice in energy-related decision-making. Such studies involve a broad set of key questions that address incorporating behavioral research into energy modeling; overcoming social and behavioral barriers to widespread adoption of new energy technologies and practices; and determining trade-offs between energy and other consumer attributes in decision-making that relates to energy-consuming assets. Understanding the composition of “consumer utility” will enable better design of energy programs and lead to better estimates of the benefits and costs of future energy efficiency standards. Specific research topics and performers will be selected through a competitive process.</p>	Increase in funding (+\$4,600) due to new activity in FY 2015.
Other Related Expenses		
Funding supports Working Capital Fund (WCF) expenses, DOECOE/IT services, staff training costs, and other necessary operational costs.	Continuation of FY 2014 activities.	Increase in overhead funding (+\$865) primarily due to addition of 13 FTEs.

International Affairs Program Direction

Overview

The Assistant Secretary for International Affairs (IA) is the primary policy advisor to the Secretary, Deputy Secretary, and Under Secretary on international energy policy issues. IA advises Departmental leadership on strategic implementation of the United States' international energy policy. IA develops and leads the Department's bilateral and multilateral R&D cooperation, including investment and trade activities with other nations and international agencies, and represents the Department and the U.S. Government in interagency processes, intergovernmental forums, and bilateral and multilateral proceedings that address the development and implementation of energy policies, strategies and objectives. IA serves as the Department's lead entity to ensure the substance, proper review, and archive of DOE and national laboratory international agreements.

IA coordinates DOE's energy relations with other countries closely with the Department of State and other agencies. DOE cooperates with governments of other nations, directly and through international organizations. The IA Assistant Secretary also negotiates and manages a variety of bilateral and multilateral agreements and initiatives with other countries and international agencies for cooperation in energy and environment-related research, development and deployment.

The majority of IA's program work is performed by federal personnel, which contribute to the success of the Department with value-adding analysis and activity in the area of international affairs. Program direction expenses include salaries, benefits, and other personnel costs associated with the 74 FTEs in IA.

Highlights of the FY 2015 Budget Request

In FY 2015, IA will continue to strengthen bilateral and multilateral energy efforts, with a continued focus on climate goals. The increase in IA's program direction costs is primarily due to consolidation of all program support activities, including international climate change activities (+\$2,835) and environmental policy studies (+\$520), under IA's program direction line. Additional funds (+\$2,568) are also requested to support overhead and operational expenses for IA to ensure minimal disruption to program mission and operations. In FY 2014, funding for Other Related Expenses was supported almost entirely through the use of prior year balances.

In FY 2015, IA will continue its commitment to strengthen close cooperative relationships with other countries and international agencies to establish security and sustainable economic growth in the energy sector. IA plans to expand its bilateral interactions in a variety of areas, to include: supporting Power Africa to increase economic growth and stability through energy cooperation with the US-Africa Energy Ministerial; bolstering stability in the Middle East, especially through enhanced partnership with Saudi Arabia; achieving energy efficiency and overall investment transparency in partnership with Russia; and encouraging energy efficiency and diversity of markets in Turkey.

In FY 2015, IA will support a suite of U.S.-China energy initiatives; participate in the U.S.-Japan Clean Energy Partnership, including the Tohoku Green Communities Alliance; take part in the U.S.-India Energy Dialogue; lead U.S. energy cooperation at the East Asia Summit, Association of Southeast Asian Nations (ASEAN) and Asia Pacific Economic Cooperation APEC as integral parts of the U.S. to lead and expand U.S. energy cooperation bilaterally as well as multilaterally through the East Asia Summit, ASEAN and APEC as integral parts of the U.S. "pivot to Asia"; and intensify engagements in the Western Hemisphere multilaterally through the Energy and Climate Partnership of the Americas, and bilaterally through engagements with Argentina, Brazil, Canada, Colombia and Mexico to build energy security and sustainability through connectivity, efficiency, renewable, and clean fossil. IA will continue its technical and policy work under the U.S.-Europe Energy Council as well as bilaterally with major European partners.

**International Affairs
Funding (\$K)**

	FY 2013 Current¹ (former PI)	FY 2014 Enacted	FY 2014 Current	FY 2014 Operating Level²	FY 2015 Request	FY 2015 vs FY 2014 Enacted
International Affairs						
Program Direction	19,780	12,518	12,518	12,518	18,441	+5,923
Policy Analysis and Systems Studies (PI)	425	—	—	—	—	—
Environmental Policy Studies	501	520	520	520	—	-520
Climate Change International ³	5,285	2,835	2,835	2,835	—	-2,835
Use of Prior Year Balances	—	—	—	2,505	—	—
Total, International Affairs	25,991	15,873	15,873	18,378	18,441	+2,568
Federal FTEs	100	74	74	74	74	—

¹ FY 2013 funding supported the Office of Policy and International Affairs.

² FY 2014 Operating level reflects prior year balance use of \$2,205 to support Other Related Expenses associated with 74 FTEs.

³ The Climate Change International included shared international and domestic activities in FY 2014 Enacted. Thus, funding for this program was split between International Affairs (\$2,835 for international activities) and the Office of Energy Policy Systems and Analysis (\$2,647 for domestic activities).

**Program Direction
Funding (\$K)**

FY 2013 Current ¹ (former PI)	FY 2014 Enacted	FY 2014 Current	FY 2014 Operating Level ²	FY 2015 Request	FY 2015 vs FY 2014 Enacted
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Program Direction Summary

Washington Headquarters

Salaries and Benefits	13,890	10,970	10,970	10,970	10,970	—
Travel	1,000	700	700	700	700	—
Support Services	1,190	446	446	3,801	3,801	+3,355
Other Related Expenses	3,700	402	402	402	2,970	+2,568
Use of Prior Year Balances	—	—	—	2,505	—	—
Total, Program Direction	19,780	12,518	12,518	18,378	18,441	+5,923
Federal FTEs	100	74	74	74	74	—

Support Services and Other Related Expenses

Support Services

Environmental Policy Studies	—	—	—	520	520	+520
Climate Change International	—	—	—	2,835	2,835	+2,835
Subscriptions/Publications Services	45	45	45	45	25	-20
Management Support Services	819	219	219	219	221	+2
Embassy Assistance	75	75	75	75	75	—
Other Support Services	251	107	107	107	125	+18
Total, Support Services	1,190	446	446	3,801	3,801	+3,355

Other Related Expenses

Working Capital Fund	3,000	300	300	300	2,300	+2,000
DOECOE	630	92	92	92	600	+508
Training	70	10	10	10	70	+60
Total, Other Related Expenses	3,700	402	402	402	2,970	+2,568

¹ FY 2013 funding supported the Office of Policy and International Affairs.

² FY 2014 Operating level reflects prior year balance use of \$2,205 to support Other Related Expenses associated with 74 FTEs. Operating level also includes Environmental Policy Studies and Climate Change Technology Program activities, which are funded under program support lines in FY 2014 Enacted.

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
Funding for salaries and benefits supports 74 FTEs in IA.	Continuation of FY 2014 activities.	No change; funding increase for salary and benefits and other personnel costs will be supported through use of prior year carryover balances.
Travel		
Funding for both international and domestic meetings in support of global dialogue surrounding energy security issues and to support discussions on energy policy initiatives and programs.	Continuation of FY 2014 activities.	No change.
Support Services		
<p><i>Environmental Policy Studies</i> In FY 2014, activity is funded under program support.</p> <p>IA is the Department's lead representative in international proceedings relating to climate change and clean energy. Some of the program work is accomplished via contract efforts aimed at:</p> <ul style="list-style-type: none"> • Conducting outreach, building innovative and replicable analytical and measurement tools, and forming partnerships to improve the uptake of clean energy technologies in emerging markets. • Utilizing models to assess current and anticipated future technology options to examine feasibility of incorporating certain efficiency improvements for existing plants and facilities. 	<p>Continuation of Environmental Policy Studies activities under program direction, funded at the FY 2014 level.</p> <p>In FY 2015, funding will support the assessment of international energy markets and components (such as pipelines, refineries, and production operations) for oil and natural gas. The Office of Environmental Policy Studies is working with leading national laboratories and academic organizations to provide timely and appropriate analyses for assessments requested by DOE program offices, White House offices, and other federal agencies and departments.</p> <p>Funds allow IA to collect data and provide analysis of market and sector data, including modeling of future water use in various energy areas.</p>	<p>Funds for this activity (+\$520) will shift from program support to direction in FY 2015 in an effort to consolidate all of IA's activities under one program line.</p>

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
<p><i>Climate Change International</i></p> <p>In FY 2014, activity is funded under program support. Of the total funding for the Climate Change Technology Program, \$2,835 is being retained by IA to support targeted international cooperation on clean energy policy and technology topics, such as clean power generation.</p> <p>In FY 2014, IA is focusing significant attention on driving international cooperation on clean energy development and deployment. Of particular note is the leadership role that IA played in conceiving, organizing, and launching the Clean Energy Ministerial (CEM) process.</p> <p>The CEM works to accomplish its objectives by combining:</p> <ul style="list-style-type: none"> • 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. <p>While the U.S. has played a critical role in ensuring momentum for the CEM through its role as the Secretariat for the CEM, IA 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).</p>	<p>Continuation of international climate change activities under program direction, funded at the FY 2014 level of \$2,835.</p> <p>International climate change work is a high priority within the Department and is part of DOE’s commitment to support the Administration’s global climate effort. The emphasis in the current international portfolio has been on support of multilateral efforts, in particular the CEM, and on a single bilateral effort on clean energy research with China (the CERC). Additional technical capacity is required if this portfolio is to be broadened to address technical and analytic needs in other bilateral programs and to build new depth in perhaps the most critical element of the climate solution, clean power for the 21st century.</p> <p>Several key U.S. partners (e.g., Mexico, India, South Africa) are making efforts to reform their power sectors, taking a system-wide view that emphasizes optimization, integrates higher shares of renewable energy, incorporates flexible demand response, and leverages smart grid solutions. DOE can leverage its domestic activities in this area to provide support to and learn from efforts underway in these countries.</p> <p>Successful power systems of the 21st century will maximize reliable, efficient, and cost-effective access to energy services that minimize health and climate impacts. The 21st Century Power Partnership (21CPP), a Clean Energy Ministerial initiative for catalyzing action in this area among the world’s major economies, was formed to help countries avoid pitfalls and identify the most promising pathways for this profound transformation. For example, the 21CPP has engaged India in a series of targeted, peer-to-peer exchanges that seek to build capacity and help implement policies to support power system transformation. There is a significant opportunity to engage with progressive Latin American countries (including Mexico, Peru, Colombia, and several smaller Central American countries) as well as South Africa, and possibly other African nations on a similar basis.</p>	<p>Funding level (+\$2,835) maintains international climate change activities at the FY 2014 level.</p> <p>Funds for this activity will shift from program support to direction in FY 2015 in an effort to consolidate all of IA’s activities under one program line.</p>

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
<i>Subscriptions/Publications Services</i> Provides key resources, (i.e. journals, magazine, newspapers) for IA reference purposes.	Continuation of FY 2014 activities.	Slight reduction (-\$20) in publication and subscription services.
<i>Management Support Services</i> Support services paid through STRIPES system, AFP and other administrative support services.	Continuation of FY 2014 activities.	Slight increase (+\$2) due to cost inflation.
<i>Embassy Assistance</i> Funding provides ground transportation, cell phones, and translation services in foreign countries.	Continuation of FY 2014 activities.	No change.
<i>Other Support Services</i> Includes mail, moving, printing, office supplies, security, SIPRNet services, office maintenance, health, travel Insurance, contract sponsorship, requisitions, etc.	Continuation of FY 2014 activities.	No change; any inflationary increase in costs will be funded through use of prior year carryover balances.
Other Related Expenses		
Funding for other related operating expenses includes working capital fund expenditures, information technology support and acquisition, LAN administration, E-Government. Includes overseas costs for FTEs, as well as funds for training. Total funding for this activity is \$2,907; however, prior year carryover balances (\$2,505) are being used to offset these operational costs in FY 2014.	Continuation of FY 2014 activities.	Additional funds are requested (+\$2,568) to ensure that operational costs (\$2,970) are fully supported in IA, ensuring minimal disruption to mission-related activities. The increase is not indicative of new activities or an increase in requirements. In FY 2014, prior year balances (totaling \$2,205) are being used to offset Other Related Expenses.

Public Affairs Program Direction

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, PA is also leading a cost-saving website reform effort to help upgrade the Department's digital communications efforts, reducing costly duplications while improving transparency and customer service to the public. The Digital Strategy and Communications Office drives the Department's mission online via the 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 Office that we are accomplishing the Administration's Open Government principles of making government more transparent, collaborative and participatory.

**Program Direction
Funding (\$K)**

FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
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Program Direction Summary

Washington Headquarters

Salaries and Benefits	2,341	2,472	2,472	2,485	+13
Travel	135	135	135	150	+15
Support Services	180	100	100	90	-10
Other Related Expenses	654	890	890	706	-184
Total, Program Direction	3310	3,597	3,597	3,431	-166
Federal FTEs	24	24	24	24	—

Support Services and Other Related Expenses

Support Services

Digital Communication and website support	180	100	100	90	-10
Total, Support Services	180	100	100	90	-10

Other Related Expenses

DOECOE	54	242	242	58	-184
Working Capital Fund	600	648	648	648	—
Total, Other Related Expenses	654	890	890	706	-184

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
Provides funding for 24 full time employees. 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 the Secretary, the Deputy Secretary and other senior Department officials, and the administrative staff required to support the Department's public affairs mission.	Continuation of FY 2014 activities.	Slight increase (+\$13) to account for 1% pay increase for staff.
Travel		
Travel expenses support the office's ability to provide appropriate staffing when the Secretary and Deputy Secretary travel to public events.	Continuation of FY 2014 activities.	Slight increase (+\$15) to support the Secretary and Deputy Secretary at public events.
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.	Continuation of FY 2014 activities	Slight reduction (-\$10) in support services for DOE website upgrades and maintenance.
Other Related Expenses		
Funding to support Working Capital Fund (WCF) and DOECOE costs. WCF contribution provides for shared service cost and Departmental overhead expenses.	Continuation of FY 2014 activities.	Slight decrease (-\$184) in funding for DOECOE and WCF in FY 2015; prior year balances (\$184) will be used to offset programmatic needs , ensuring that FY 2015 operations are maintained at the necessary funding level.

Department Of Energy
FY 2015 Congressional Budget
Funding By Appropriation By Site
(\$K)

Departmental Administration	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Chicago Office			
Cost of Work for Others			
Cost of Work for Others	0	3,746	0
Total, Chicago Office	0	3,746	0
Idaho National Laboratory			
Cost of Work for Others			
Cost of Work for Others	0	1,000	0
Total, Idaho National Laboratory	0	1,000	0
National Energy Technology Lab			
Chief Information Officer			
Cybersecurity and Secure Management	182	0	0
Cost of Work for Others			
Cost of Work for Others	0	300	0
Total, National Energy Technology Lab	182	300	0
National Renewable Energy Laboratory			
Cost of Work for Others			
Cost of Work for Others	0	200	0
Office of Indian Energy Policy & Programs			
Office of Indian Energy Policy & Programs	0	263	0
Total, National Renewable Energy Laboratory	0	463	0
NNSA Albuquerque Complex			
Chief Information Officer			
Cybersecurity and Secure Management	2,700	2,700	2,700
Cost of Work for Others			
Cost of Work for Others	0	7,150	0
Total, NNSA Albuquerque Complex	2,700	9,850	2,700
Oak Ridge Office			
Cost of Work for Others			
Cost of Work for Others	0	9,861	0
Total, Oak Ridge Office	0	9,861	0
Pacific Northwest National Laboratory			
Cost of Work for Others			
Cost of Work for Others	0	144	0
Total, Pacific Northwest National Laboratory	0	144	0

Department Of Energy
FY 2015 Congressional Budget
Funding By Appropriation By Site
 (\$K)

Departmental Administration	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Richland Operations Office			
Chief Information Officer			
Cybersecurity and Secure Management	5,900	5,900	5,900
Cost of Work for Others			
Cost of Work for Others	0	550	0
Total, Richland Operations Office	5,900	6,450	5,900
Savannah River Site			
Cost of Work for Others			
Cost of Work for Others	0	22,570	0
Total, Savannah River Site	0	22,570	0

Department Of Energy
FY 2015 Congressional Budget
Funding By Appropriation By Site
(\$K)

Departmental Administration	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Washington Headquarters			
Chief Financial Officer			
Program Direction	49,576	47,825	47,182
Chief Information Officer			
Program Direction	33,614	35,401	33,188
Cybersecurity and Secure Management	11,354	22,195	12,764
Corporate Management Information Program	25,135	15,866	19,612
Total, Chief Information Officer	70,103	73,462	65,564
Congressional, and Intergovernmental Affairs			
Program Direction	4,521	4,700	6,300
Cost of Work for Others			
Cost of Work for Others	48,537	3,016	42,000
Economic Impact & Diversity			
Program Direction	5,456	6,197	5,574
Minority Economic Impact	1,748	2,759	1,673
Total, Economic Impact & Diversity	7,204	8,956	7,247
Energy Policy and Systems Analysis			
Energy Policy and Systems Analysis	0	19,269	38,545
General Counsel			
Program Direction	31,863	33,053	33,000
International Affairs			
Program Direction	0	12,518	18,441
Climate Change (International)	0	2,835	0
Environmental Policy Studies	0	520	0
Total, International Affairs	0	15,873	18,441
Program Direction			
Program Direction	23,458	24,488	25,400
Office of Indian Energy Policy & Programs			
Office of Indian Energy Policy & Programs	1,928	2,243	0
Management & Administration			
Program Direction	59,437	57,599	68,293
Small and Disadvantaged Business Utilization			
Program Direction	0	0	2,253
Office of the Secretary			
Program Direction	4,849	5,008	5,008
Policy & International Affairs			
Program Direction	19,780	0	0
Policy Analysis and System Studies	425	0	0
Environmental Policy Studies	501	0	0
Climate Change Technology Program	5,285	0	0
Total, Policy & International Affairs	25,991	0	0
Public Affairs			
Program Direction	3,664	3,597	3,431

Department Of Energy
FY 2015 Congressional Budget
Funding By Appropriation By Site
 (\$K)

Departmental Administration	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Total, Washington Headquarters	331,131	299,089	362,664
Total, Departmental Administration	339,913	353,473	371,264

Inspector General

Inspector General

**Office of Inspector General
Proposed Appropriation Language**

For necessary expenses of the Office of Inspector General in carrying out the provisions of the Inspector General Act of 1978, [\$42,120,000]\$39,868,000, to remain available until September 30, [2015]2016.

Explanation of Changes

No change.

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 111-5, "American Recovery & Reinvestment Act (ARRA) of 2009"
- Public Law 112-194, "Government Charge Card Abuse Prevention Act of 2012"
- Public Law 112-199, "Whistleblower Protection Enhancement Act of 2012"
- Public Law 112-239, "National Defense Authorization Act for Fiscal Year 2013"

Office of Inspector General

(\$K)			
FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request
39,803	42,120	42,120	39,868

Overview

The Office of Inspector General's (OIG's) mission is to strengthen the integrity, economy and efficiency of the Department's programs and operations. In doing this, the OIG strives to be a highly effective organization that promotes positive change. The OIG has the authority to inquire into all Department programs and activities as well as the related activities of persons or parties associated with Department grants, contracts, or other agreements. The OIG also serves to provide the Secretary of Energy with an impartial set of "eyes and ears" to evaluate management practices. As a result of its work, the OIG provides a positive return on its investment. Over the last five years, the OIG's average return on investment was in excess of \$5 for every dollar appropriated.

The OIG focuses its efforts to enhance the efficiency and effectiveness of Department's programs and operations in the following key areas:

- **Support Costs.** OIG assists in identifying potential costs savings in areas such as the estimated \$3.5B spent each year on National Laboratory support costs.
- **Key Programs and Projects.** OIG evaluates the efficacy of the Department's management of key programs and projects such as the environmental program, which annually expends approximately \$6B, and the \$12.9B Hanford Waste Treatment Plant.
- **NNSA Modernization Efforts.** NNSA is undertaking a massive modernization effort that involves major projects (e.g., weapons complex transformation) that benefit from OIG reviews to proactively identify efficient and effective operations.
- **Loan Guarantee Programs.** The implementation phase of the Loan Guarantee programs will most likely require that the OIG hire experts to assist with reviews. Most agreements extend well into the future and will require reviews to confirm compliance with loan terms and conditions to protect taxpayer interests. In addition, new projects are soon to be issued by the Program, actions that will further extend the necessity for such experts/in-depth reviews.
- **Cost Accounting Standards (CAS).** OIG provides reviews of Department contractors' incurred costs and compliance with Cost Accounting Standards.
- **Contract Review.** OIG assesses the Department's administration of approximately \$25B in contracts.

Highlights of the FY 2015 Budget Request

In FY 2012 and FY 2013, the OIG expended more funds to perform required reviews and oversight than it received and expects this trend to continue in FY 2014, FY 2015, and beyond. The OIG's authorized FTE level is 279. The salaries and benefits associated with 279 employees account for 94 percent of the OIG's prior annual appropriations. The OIG is reducing discretionary spending and making use of carryover funds to ensure that the organization can maintain current operational levels in FY 2015. This will allow the OIG to continue to review the Department's efforts in the following critical areas:

- Project management;
- Cyber security;
- Nuclear life extension projects;
- Weapons complex modernization; and
- Cost reduction.

**Inspector General
Funding (\$K)**

Office of Inspector General
Total, Office of Inspector General
Federal FTEs

FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs FY 2014 Enacted
39,803	42,120	42,120	39,868	-2,252
39,803	42,120	42,120	39,868	-2,252
279	279	279	279	—

**Program Direction
Funding (\$K)**

FY 2013 Current	FY 2013 Operating Level ¹	FY 2014 Enacted	FY 2014 Current	FY 2014 Operating Level ²	FY 2015 Request	FY 2015 vs FY 2014 Enacted
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Program Direction Summary

Washington Headquarters

Salaries and Benefits	37,600	37,954	34,915	34,915	39,334	40,690	+5,775
Travel	1,634	1,186	1,750	1,750	1,661	1,690	-60
Support Services	569	569	800	800	750	758	-42
Other Related Expenses	—	5,306	4,655	4,655	7,079	7,150	+2,495
Subtotal, Program Direction	39,803	45,015	42,120	42,120	48,824	50,288	+8,168
Use of Prior Year Balances ³	—	-5,212	—	—	-6,704	-10,420	-10,420
Total, Program Direction	39,803	39,803	42,120	42,120	42,120	39,868	-2,252
Federal FTEs	279	279	279	279	279	279	—

Support Services and Other Related Expenses

Support Services

Management Support							
FISMA	569	569	800	800	750	758	-42
Total, Support Services	569	569	800	800	750	758	-42

Other Related Expenses

CIGIE	—	468	—	—	97	423	+423
Information Technology	—	1,081	—	—	2,400	1,543	+1,543
Training	—	243	475	475	414	420	-55
Working Capital Fund	—	2,231	2,994	2,994	2,994	3,090	+96
Other Related Expenses	—	1,283	1,186	1,186	1,174	1,674	+488
Total, Other Related Expenses	—	5,306	4,655	4,655	7,079	7,150	+2,495

¹ FY 2013 Operating Level reflects prior year balances use of \$5,212 to support OIG mission requirements.

² FY 2014 Operating Level reflects prior year balances use of \$6,704 to support OIG mission requirements.

³ The OIG will expend more prior year funds in FY 2015 than it did in FY 2014 to meet anticipated mission requirements.

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	Explanation of Changes FY 2015 vs FY 2014 Enacted
Salaries and Benefits		
<p>Funding supports Federal staff with specialized skill sets (e.g., Certified Public Accountants, Technology Crime Investigators, Certified Fraud Examiners) who identify significant Departmental program and operational challenges.</p> <p>Note: The OIG will use \$6,704 in prior year balances to support salaries and benefits for staff.</p>	<p>Continue to identify significant Departmental challenges.</p> <p>The OIG will use \$10,420 in prior year balances to support salaries and benefits for staff.</p>	<p>The funding change of +\$5,775 assumes an increase in salaries and benefits due to career ladder promotions and pay raises.</p> <p>The OIG will use \$10,420 in prior year balances to offset salaries and benefits for staff in FY 2015.</p>
Travel		
<p>Extensive travel is required to make first-hand observations of conditions and to review original records at DOE sites; conduct interviews; follow-up on leads; meet with subjects, witnesses, and U.S. Attorneys; and appear in court.</p>	<p>Continue to travel as required in the performance of OIG duties. OIG will use Video Teleconference, conference calls, and other cost saving measures when feasible.</p>	<p>The funding change of -\$60 is due to use of cost saving measures in OIG to reduce travel expenses.</p>
Support Services		
<p>The OIG will use the financial statement audit contract to perform FISMA work for DOE and FERC.</p>	<p>Continue performing FISMA work for DOE and FERC.</p>	<p>The funding change of -\$42 is due to a slight decrease in contract costs.</p>
Other Related Expenses		
<p>This funding includes training, which is critical for OIG staff in order to maintain required levels of proficiency and comply with the Inspector General Act. Funding also supports forensic hardware and software requirements needed to accomplish investigative responsibilities. Funds are included for mandatory support for Council of the Inspectors General on Integrity and Efficiency (CIGIE) and to fund OIG's share of the DOE Working Capital Fund and DOECOE.</p>	<p>Continue to support training, information technology needs, and other requirements in the performance of OIG duties.</p>	<p>The funding change of +\$2,495 is due to an increase in Working Capital Fund, DOECOE/IT, and other operating costs.</p>

Department Of Energy
FY 2015 Congressional Budget
Funding By Appropriation By Site
(\$K)

	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Office of the Inspector General			
Chicago Office			
Office of the Inspector General			
Office of the Inspector General	1,135	1,082	0
Total, Chicago Office	1,135	1,082	0
Idaho Operations Office			
Office of the Inspector General			
Office of the Inspector General	1,262	1,353	0
Total, Idaho Operations Office	1,262	1,353	0
National Energy Technology Lab			
Office of the Inspector General			
Office of the Inspector General	2,777	2,977	0
Total, National Energy Technology Lab	2,777	2,977	0
Nevada Site Office			
Office of the Inspector General			
Office of the Inspector General	885	947	0
Total, Nevada Site Office	885	947	0
NNSA Albuquerque Complex			
Office of the Inspector General			
Office of the Inspector General	6,822	7,847	0
Total, NNSA Albuquerque Complex	6,822	7,847	0
Oak Ridge Office			
Office of the Inspector General			
Office of the Inspector General	5,559	5,277	0
Total, Oak Ridge Office	5,559	5,277	0
Richland Operations Office			
Office of the Inspector General			
Office of the Inspector General	1,011	1,894	0
Total, Richland Operations Office	1,011	1,894	0
Savannah River Operations Office			
Office of the Inspector General			
Office of the Inspector General	1,642	1,760	0
Total, Savannah River Operations Office	1,642	1,760	0
Washington Headquarters			
Office of the Inspector General			
Office of the Inspector General	16,562	16,819	39,868
Total, Washington Headquarters	16,562	16,819	39,868

Department Of Energy
FY 2015 Congressional Budget
Funding By Appropriation By Site
 (\$K)

Office of the Inspector General	FY 2013 Current	FY 2014 Enacted	FY 2015 Request
Western Area Power Administration			
Office of the Inspector General			
Office of the Inspector General	2,148	2,164	0
Total, Western Area Power Administration	2,148	2,164	0
Total, Office of the Inspector General	39,803	42,120	39,868

Working Capital Fund

Working Capital Fund

**Working Capital Fund
Program Mission**

(Dollars in Thousands)

FY 2013 Actual	FY 2014 Request	FY 2015 Request
188,355	279,172	288,055

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 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 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. These reviews culminate in an Annual Report that includes analysis of financial measures, including each business' performance against its 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 against other federal agency equivalent costs. 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.

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 2013 Annual Report documented that the Fund experienced an over-recovery of \$8.6 million for its FY 2013 operations; and for the first 17 years of operations, reported a positive result of operations, \$14.2 million (0.7% of customer billings). Although net earnings for individual business-lines have fluctuated between profit and loss over the years, DOE is achieving its goal of sustained break-even operations.

The Department continues to examine ways to use 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 priorities such as financing cybersecurity; DOE's new procurement system; the DOE-wide area network and cloud services; 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. In response to sequestration and its impact on DOE programs, the WCF reduced billings by \$15.1 million by deferring hiring, system upgrades, maintenance, and other infrastructure spending that could be delayed.

Other WCF accomplishments include:

- The Administrative Businesses streamlined operations which resulted in savings to programs.
- The Building Business:
 - DOE program and staff offices consolidated space allowing for the release of 270 Corporate (26,299 sq ft; located in Germantown, MD) and 950 L'Enfant Promenade (21,388 sq ft; located in Washington, DC). FY13 rent savings \$1.175M.
 - The Office of Industrial Hygiene and Safety performed critical reviews of the safety program, which resulted in a marked decrease in the number of recordable injuries and illnesses.
- The Telecommunication business:
 - Sustained Headquarters' Network Services Availability at 99.5%
 - Sustained DOEnet (wide area network) availability at 99.9%
 - Sustained Internet service availability at 99.0%
 - Sustained RSA/VPN services availability at 99.5%
 - Sustained Phone availability in excess of 99% as measured by dial tone.
- The Project Management Career Development Program helped 358 federal project directors maintain certifications for the past three years by delivering 46 training opportunities and development opportunities.
- iManage –
 - 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)
 - iPortal/Data Warehouse - Percent of Data in error - less than 2% (Met)

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 to WCF businesses total \$8.9 million due largely to: increases to Building Occupancy (\$4.8 million), Overseas Presence (\$2.0 million), Telecommunications (\$1.5 million), Corporate Training (\$0.7 million), and iManage (\$0.6 million); offset by decreases in Administrative Services (\$1.0 million). Further descriptions of these changes are included in the individual business-line sections that follow.

Table 1
Working Capital Fund Budget Business-lines¹

	(Dollars in Thousands)		
	FY 2013 Actual	FY 2014 Estimate	FY 2015 Estimate
Supplies	2,185	2,854	2,437
Mail and Transportation Services	3,672	4,389	4,145
Photocopying	3,564	3,818	3,490
Printing and Graphics	3,110	4,186	4,284
Building Occupancy	97,743	97,236	102,081
Telecommunications	20,078	30,258	31,710
CyberOne	0	40,000	40,000
Procurement Management	16,219	17,807	17,934
Corporate Training Services	657	2,697	3,373
Health Services	0	1,700	1,700
Project Management Career Development Program	1,503	1,615	1,627
iManage	25,760	37,768	38,368
Financial Reporting Control Assessment	2,757	1,600	1,692
Pension Studies ²	0	720	600
Financial Statement Audits	11,108	11,709	11,759
Overseas Presence	0	14,816	16,855
Interagency Transfers	0	6,000	6,000
Total, Working Capital Fund	188,355	279,172	288,055

¹ Numbers may not add due to rounding.

² Pension studies were funded in Financial Reporting Control Assessments in FY 2013.

The following section includes a description of each business-line, along with 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. In support of federal green purchasing Executive Orders, the Headquarters Paper Clips Supply Stores (located in Forrestal and Germantown) offer a wide range of environmentally-friendly supplies containing post-consumer waste (recycled) materials, biobased materials (biological, agricultural or forestry-based), and biodegradable materials (decomposes easily).

Pricing Policy

Each organization pays for supplies purchased by its employees. The budget declines due to a significant effort by programs, which began in FY 2011, to reduce supply usage. The business also limited high cost items and found lower priced sources for supplies.

Mail and Transportation Services

Description

The Mail Center provides a variety of mail services for all official and other authorized mail for DOE and its employees. 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 services. 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 declined due to efforts by the business to streamline operations.

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 copies.

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 declined due to efforts by the business to streamline operations.

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 rent charged to the Department by the General Services Administration (GSA). 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 rental costs.
- 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.
- Charges related to property management are allocated based on program usage during the prior fiscal year.

The budget increases are due to GSA rent and utility costs.

Telecommunications

Description

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 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 comprises an infrastructure connecting two main Headquarters buildings and satellite buildings for internal dialing and 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; specialized services such as operator-assisted conference calls, voice mail, 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. As a result of the Department's transition from analog to digital phone infrastructure, the technology of phone operations and network operations merged.

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; (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. 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 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.
- 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. LAN connections provide access to and cybersecurity for the Internet and World Wide Web, Electronic mail, and other applications for information processing and sharing through the backbone infrastructure. It also provides connectivity to the entire national complex through DOEnet, which is a centrally managed wide area network designed to support DOE corporate systems and carry business sensitive data to users at 38 DOE sites.

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 increases are due to increased reliance on the wide area network to support broadband access to cloud services.

CyberOne

Description

CyberOne is the Department's solution for managing enterprise-wide identity management and cybersecurity 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.

Identity, Credential and Access Management (ICAM): The DOE 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:

- 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 and logical access control systems to a federated access management infrastructure; and
- Streamlines the provisioning, updating, and de-provisioning of access to DOE systems to ensure personnel have access to facilities, applications, and information to which they are entitled and only for the time period or duration for which they require it.

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 Public key infrastructure (PKI) that is on the Federal Bridge and provides PKI certificates for interoperable and secure information exchange internal and external to DOE.

Joint Cybersecurity Coordination Center: To enhance incident response and situational awareness as well as better informing management decisions, DOE has developed the Joint Cybersecurity Coordination Center (JC3). JC3 facilitates the collection, aggregation, correlation, and de-confliction of inputs from Cooperative Protection Program (CPP) sensors, other data sources, and internal and external cyber reporting. The JC3 conducts advanced analytics, attack trending, and tracking of cybersecurity activity including Advanced Persistent Threat (APT). JC3 coordinates all enterprise-wide incident management activities including prevention, detection, containment, and recovery for all DOE elements, as well as coordinating communications on behalf of the agency for cybersecurity events and cyber emergency response with US-CERT and other agency partners. The JC3 provides Department-level situational awareness to sites and senior leaders as well as serving as a cybersecurity information clearing house. The JC3 advises and consults DOE sites and programs on network defense, cyber best practices, cyber forensics, and incident response. The JC3 also supports Program Management activities to include the development and tracking of performance metrics; the collection of requirements and execution of enterprise cyber security purchases; the development and execution of JC3 budgets; and the alignment of plans and programs with the Departmental strategic plans.

The JC3 provides enterprise cyber security tools and services to DOE sites and programs to enhance their cybersecurity activities and defenses. These services include toolsets developed specifically for DOE at the National Laboratories, such as the Cooperative Protection Program (CPP) and the Cyber Federated Model (CFM).

JC3 will help ensure DOE's 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 Management 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 13587, 13526, 12598
- Homeland Security Presidential Directives 5, 8, 23
- PPD-21 - Critical Infrastructure Security and Resilience
- 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, 14-03, 14-04
- OMB Circular A-130
- FIPS 200
- NIST SP 800-53

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 (FYs 2012-2014) in the Department's FY 2014 Budget Request to Congress.

Procurement Management

Description

The Audit Services, Contract Closeout, and Purchase Card Surveillance business segments work together to help validate compliance with procedures and improve the internal controls of the Department. These divisions also respond to specific issues raised by the Inspector General. Ultimately, savings to programs are realized by preventing fraud, waste, and abuse.

The **Audit Services** segment of the business actually represents funding to various federal audit agencies; however, the majority of the funding is provided to the Defense Contract Audit Agency (DCAA). DCAA and the 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 de-obligated 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 is due to increase in number and cost of DCAA 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 at competitive pricing and fee for service pricing.

The Energy Online Learning Center (OLC) is a web-based commercial off-the-shelf 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 where 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. 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 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.

The **SES Career Development Program (CDP)** 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 WCF will allow DOE to account for the full cost of these services.

Pricing Policy

Pricing Policy for Corporate Training Services business-line is as follows:

- 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.
- Federal staff support consists of developing curriculum, contractor oversight of distance learning, and managing classroom delivery by contractor staff.

The FY 2015 estimate is \$0.7 million above the previous year due to SES CDP and SES 360 Assessments by the Office of Personnel Management.

Health Services

Description

The Health Services business-line provides common administrative services to the DOE Headquarters community. These services include a Headquarters health center, a drug testing program, an employee assistance program, 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.

The Health Center consists of two facilities: one at Forrestal and one at the Germantown. 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 the Department of Health & Human Services, Federal Occupational Health (HHS/FOH) to provide packaged services, which reduces costs and DOE resource needs.

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 (e.g., security, technical, and/or executive positions). The Department has an existing Interagency Agreement with Department of the Interior to utilize their contracts, which reduces costs and saves DOE resources.

The **Employee Assistance Program (EAP)** finances an Employee Assistance Program at Headquarters. Professional EAP counselors offer assistance to DOE federal employees for family, work, health, and other concerns.

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.

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. PMCDP 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 2015, 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.

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.

iManage

Description

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.

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 subscription fees.

iBudget is a budget formulation solution that will support the collection and management of budget formulation data for 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 WCF in FY 2015.

iPortal/Data Warehouse is the iManage face to its customers. It provides 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, including, but not limited to: NNSA, EM, FE, SC and EE.

Corporate Human Resource Information System (CHRIS) is a nation-wide operational portfolio of systems within the Department that serves as the official system of record for human resource management information for all employees. The CHRIS Project supports the Administration's strategic human capital management initiative and expands e-government within DOE, combining electronic workflow and other best practices in work processes with a web-based IT architecture and suite of software applications based on off-the-shelf products (PeopleSoft and Monster Government Solutions), and the legacy Employee Self-Service. This budget also funds 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 are financed in WCF.

Digital Media: Digital Media will rationalize hundreds of websites and streamline web operations, reducing duplicative spending, and improving 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 (FYs 2012-2014) in the Department's FY 2014 Budget 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.
- 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 due to legislative increases to transit subsidy allowances. FY 2014 was computed based on the old rates.

Financial Reporting Control Assessment

Description

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 2014 to this business to ensure that pension liabilities impact to out-year budgets are properly managed. In FY 2015, pension studies are justified as a stand-alone business.

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.

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 (FYs 2012-2014) in the Department's FY 2014 Budget 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

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 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 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 FY 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 annual cost per employee. The collection and analysis of this data requires a great deal of personnel, 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 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 \$600,000 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.

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 (FYs 2012-2014) in the Department's FY 2014 Budget Request to Congress. Departmental programs that use proprietary financial systems (e.g., the Federal Energy Regulatory Commission and the Power Marketing Administrations) will be excluded from billing for this business.

Overseas Presence**Description**

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 that support the Secretary and, by extension, the entire Department. The proposed business will provide a consistent administrative and operational support to Departmental personnel travel overseas for mission programs is deemed necessary.

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

The increase is due to State Department overseas charges, travel costs, and foreign nationals' salaries.

Interagency Transfers**Description**

Interagency transfers are necessary to finance National Archives (Archives) storage and management of critical DOE records and the Integrated Acquisition Environment. Lesser activities include e-Government initiatives, which consist of consolidation studies of lines of businesses and other intergovernmental procurement systems.

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. DOE maintains an annual agreement with Archives 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:

- Create a simpler, common integrated business process for buyers and sellers that promotes competition, transparency and integrity.
- Increase data sharing to enable better business decisions in procurement, logistics, payment, and performance assessment.
- 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

These activities 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 (FYs 2012-2014) in the Department's FY 2014 Budget Request to Congress.

Crosscutting Activities

Crosscutting Activities

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.

Research and Development (\$K) ^a

	FY 2013 Current	FY 2014 Enacted	FY 2015 Request	FY 2015 vs FY 2014 Enacted
Basic Research				
Bonneville Power Administration Fund	9,211	4,773	4,868	95
Science	3,785,377	4,024,856	4,093,469	68,613
Electricity Delivery and Energy Reliability	3,783	3,973	6,700	2,727
Fossil Energy R&D	3,544	4,256	3,105	-1,151
Defense Nuclear Nonproliferation	42,458	34,285	30,924	-3,361
Weapons Activities	6,620	3,547	6,160	2,613
Total, Basic Research	3,850,993	4,075,690	4,145,226	69,536
Applied Research				
Bonneville Power Administration Fund	5,370	2,473	2,522	49
Science ^b	60,120	0	0	0
Electricity Delivery and Energy Reliability	53,433	57,734	57,600	-134
Energy Efficiency and Renewable Energy	471,680	532,136	635,591	103,455
Energy Security Trust	0	0	60,000	60,000
Fossil Energy R&D	155,915	157,485	114,869	-42,616
Nuclear Energy	630,863	612,235	581,619	-30,616
Advanced Research Project Agency - Energy (ARPA-E)	111,605	126,000	147,875	21,875
Defense Environmental Cleanup	3,338	7,290	13,500	6,210
Defense Nuclear Nonproliferation	219,936	151,428	136,581	-14,847

Weapons Activities	2,141,562	2,267,769	2,559,594	291,825
Total, Applied Research	3,853,822	3,914,550	4,309,751	395,201
Development				
Bonneville Power Administration Fund	1,592	8,661	8,822	161
Electricity Delivery and Energy Reliability	33,636	33,192	38,100	4,908
Energy Efficiency and Renewable Energy	349,452	314,241	385,624	71,383
Fossil Energy R&D	194,894	263,894	192,483	-71,411
Nuclear Energy	26,661	21,871	21,527	-344
Advanced Research Project Agency - Energy (ARPA-E)	115,042	126,000	147,875	21,875
Naval Reactors	935,764	965,521	1,079,161	113,640
Defense Environmental Cleanup	6,778	14,801	20,000	5,199
Defense Nuclear Nonproliferation	35,293	24,403	22,010	-2,393
Weapons Activities	744,653	812,892	884,927	72,035
Total, Development	2,443,765	2,585,476	2,800,529	215,053
Subtotal, R&D				
Bonneville Power Administration Fund	16,173	15,907	16,212	305
Science	3,845,497	4,024,856	4,093,469	68,613
Electricity Delivery and Energy Reliability	90,852	94,899	102,400	7,501
Energy Efficiency and Renewable Energy	821,132	846,377	1,021,215	174,838
Fossil Energy R&D	354,353	425,635	310,457	-115,178
Nuclear Energy	657,524	634,106	603,146	-30,960
Advanced Research Project Agency - Energy (ARPA-E)	226,647	252,000	295,750	43,750
Naval Reactors	935,764	965,521	1,079,161	113,640
Defense Environmental Cleanup	10,116	22,091	33,500	11,409
Defense Nuclear Nonproliferation	297,687	210,116	189,515	-20,601
Weapons Activities	2,892,835	3,084,208	3,450,681	366,473
Subtotal, R&D	10,148,580	10,575,716	11,195,506	619,790
R&D Related Equipment				
Science	278,765	153,947	154,166	219

Energy Efficiency and Renewable Energy	4,399	3,600	3,600	0
Fossil Energy R&D	15,982	16,032	15,294	-738
Naval Reactors	15,050	27,894	17,038	-10,856
Weapons Activities	52,610	53,767	54,950	1,183
Total, Equipment	366,806	255,240	245,048	-10,192
R&D Related Construction				
Science	167,151	476,368	466,150	-10,218
Naval Reactors	92	58,373	234,301	175,928
Weapons Activities	22,103	23,275	25,261	1,986
Total, Construction	189,346	558,016	725,712	167,696
Total Department of Energy R&D and R&D Facilities				
Bonneville Power Administration Fund	16,173	15,907	16,212	305
Science	4,291,413	4,655,171	4,713,785	58,614
Electricity Delivery and Energy Reliability	90,852	94,899	102,400	7,501
Energy Efficiency and Renewable Energy	825,531	849,977	1,024,815	174,838
Fossil Energy R&D	370,335	441,667	325,751	-115,916
Nuclear Energy	657,524	634,106	603,146	-30,960
Advanced Research Project Agency - Energy (ARPA-E)	226,647	252,000	295,750	43,750
Naval Reactors	950,906	1,051,788	1,330,500	278,712
Defense Environmental Cleanup	10,116	22,091	33,500	11,409
Defense Nuclear Nonproliferation	297,687	210,116	189,515	-20,601
Weapons Activities	2,967,548	3,161,250	3,530,892	369,642
Total, Department of Energy R&D and R&D Facilities	10,704,732	11,388,972	12,166,266	777,294

^a Totals may vary slightly from President's Budget Analytical Perspectives to reflect the most current estimates available.

^b Applied funding in FY 2013 Office of Science represents SBIR/STTR funding transferred from other DOE programs. No applied funding is shown in FY 2014 or FY 2015 because the transfer from other DOE programs has not yet occurred.

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
SBIR	2.5%	2.6%	2.7%	2.8%	2.9%	3.0%	3.2%	3.2%
STTR	0.30%	0.35%	0.35%	0.40%	0.40%	0.45%	0.45%	0.45%
Combined	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 programs: 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. 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.

The SBIR/STTR Programs Office is responsible for issuing topics and solicitations, managing the peer review and award 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. Recent changes implemented by the SBIR/STTR Programs Office such as the revamping of the Commercialization Assistance Program, utilization of DOE-funded technology transfer opportunities in SBIR/STTR solicitations, and the introduction of Sequential Phase II awards have focused on improving the commercialization outcomes of grantees.

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 same rigorous merit review, accelerated contracting, funding, and active project management as all other ARPA-E programs. The ARPA-E SBIR/STTR Program in FY 2015 will focus on targeted, mission-relevant areas where the agency believes that small business provides the best opportunity for innovative technology development.

Small Business Innovation Research/Small Business Technology Transfer (SBIR/STTR) (\$K)

	FY 2013 Transferred	FY 2014 Projected	FY 2015 Request	FY2015 vs FY 2014 Projected
Advanced Research Projects Agency - Energy				
SBIR	6,121	7,056	8,576	1,520
STTR	793	1,008	1,183	175
Electricity Delivery and Energy Reliability				
SBIR	2,530	2,657	2,970	313
STTR	328	380	410	30
Energy Efficiency and Renewable Energy *				
SBIR	24,044	23,510	29,616	6,106
STTR	3,625	3,357	4,085	728
Environmental Management				
SBIR	273	619	464	-155
STTR	35	88	64	-24
Fossil Energy				
SBIR	8,393	9,892	8,221	-1,671
STTR	1,088	1,413	1,131	-282
Nonproliferation R&D				
SBIR	7,990	6,975	5,496	-1,479
STTR	1,036	997	758	-239
Nuclear Energy				
SBIR	9,541	9,524	9,799	275
STTR	1,237	1,361	1,352	-9
Science				
SBIR	102,766	112,366	118,426	6,060
STTR	13,322	16,053	16,334	281
Total, SBIR/STTR	183,122	197,256	208,885	11,629

* Energy Efficiency and Renewable Energy's FY 2013 transfer included 1,297,380 of prior year balances.

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 (SSA)
- 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 2013 Current, FY 2014 Enacted and FY 2015 Request. The S&S crosscut budget is comprised of the functional components shown in the following table.

Figure 1: S&S Funding (dollars in millions)

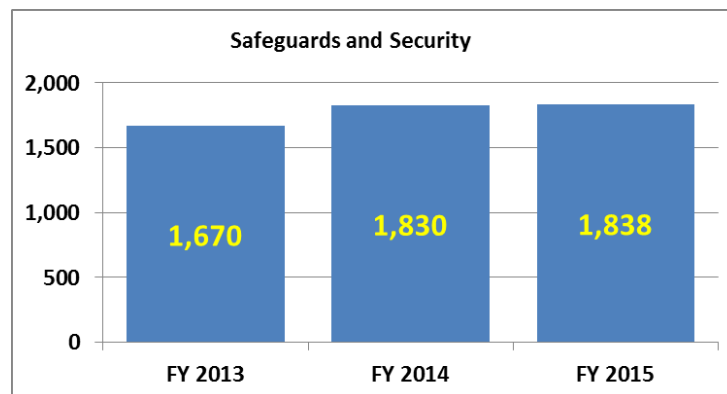


Table 1: Functional Components of S&S

Protective Forces	Provides for the protection of special nuclear materials, information, employees, and government property from theft, diversion, sabotage, and malicious destruction.
Physical Security Systems	Addresses access control and interior/exterior intrusion detection systems.
Information Security	Ensures that individuals protect classified matter and sensitive unclassified matter, and establishes protection systems that require degrees of protection for each classification level.
Cybersecurity	Assures protection of computer resources and networks.
Personnel Security	Supports activities associated with the access authorization program.
Material Control and Accountability	Provides assurance that the nuclear materials used and/or stored at DOE facilities are properly controlled and accounted for at all times.
Program Management	Assures a framework for efficient and effective security operations.
Security Investigations	Provides for background investigations for access authorizations.
Transportation Security	Provides secure transportation of nuclear materials.
Specialized Security Activities	Provides highly specialized analyses in support of national security objectives.

Table 2 shows S&S funding by program and functional cost elements. Subsequent sections break out each functional element of field security by component program.

Table 2: S&S Funding by Program and Functional Cost Element (dollars in thousands)					
	FY 2013	FY 2014	FY 2015	\$ Chg.	% Chg.
Safeguards and Security (S&S) by Program					
Field Security					
Science	82,506	91,252	91,416	164	0.2%
National Nuclear Security Administration	973,165	1,021,422	1,036,741	15,319	1.5%
Environmental Management	231,757	241,000	233,961	-7,039	-2.9%
Nuclear Energy	89,853	94,000	104,000	10,000	10.6%
Energy Efficiency and Renewable Energy	8,408	9,200	9,200	0	0.0%
Fossil Energy	28,060	28,461	28,213	-248	-0.9%
Legacy Management	1,569	1,557	1,496	-61	-3.9%
Subtotal, Field Security	1,415,318	1,486,892	1,505,027	18,135	1.2%
Headquarters Safeguards and Security					
Health, Safety and Security*	63,462	70,309	69,654	-655	-0.9%
Specialized Security Activities	171,396	202,242	202,152	-90	0.0%
Chief Information Officer	20,136	30,795	21,364	-9,431	-30.6%
Working Capital Fund (CyberOne)	0	40,000	40,000	0	0.0%
Subtotal, Headquarters Security	254,994	343,346	333,170	-10,176	-3.0%
Total, Safeguards and Security	1,670,312	1,830,238	1,838,197	7,959	0.4%
* In FY 2015 includes amounts from EHS&S (\$54,654) and IEA (\$15,000) lines in the revised ODA structure.					
S&S by Element of Functional Cost					
Field Security					
Protective Forces	610,316	677,695	645,364	-32,331	-4.8%
Physical Security Systems	126,008	136,225	145,309	9,084	6.7%
Information Security	45,696	49,536	42,059	-7,477	-15.1%
Cybersecurity	167,415	161,811	195,029	33,218	20.5%
Personnel Security	47,905	54,685	52,214	-2,471	-4.5%
Material Control and Accountability	39,255	41,553	39,501	-2,052	-4.9%
Program Management	114,052	121,005	114,019	-6,986	-5.8%
Security Investigations	33,652	33,810	37,217	3,407	10.1%
Transportation Security	201,858	210,329	234,072	23,743	11.3%
Construction (NNSA)	29,161	0	0	0	N/A
Construction (FE)	0	243	243	0	0.0%
Subtotal, Field S&S	1,415,318	1,486,892	1,505,027	18,135	1.2%
Headquarters Safeguards and Security					
Health, Safety and Security*	63,462	70,309	69,654	-655	-0.9%
Specialized Security Activities	171,396	202,242	202,152	-90	0.0%
Chief Information Officer	20,136	30,795	21,364	-9,431	-30.6%
Working Capital Fund (CyberOne)	0	40,000	40,000	0	0.0%
Subtotal, Headquarters	254,994	343,346	333,170	-10,176	-3.0%
Total Safeguards and Security	1,670,312	1,830,238	1,838,197	7,959	0.4%

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 (\$K)

	FY 2013	FY 2014	FY 2015	\$ Chg.	% Chg.
Protective Forces					
Science	34,693	38,141	38,388	247	0.6%
National Nuclear Security Administration	342,736	398,931	370,485	-28,446	-7.1%
Environmental Management	154,415	160,738	152,424	-8,314	-5.2%
Nuclear Energy	52,054	53,277	57,547	4,270	8.0%
Energy Efficiency and Renewable Energy	5,130	5,200	5,200	0	0.0%
Fossil Energy	20,755	20,823	20,788	-35	-0.2%
Legacy Management	533	585	532	-53	-9.1%
Total, Protective Forces	610,316	677,695	645,364	-32,331	-4.8%

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 (\$K)

	FY 2013	FY 2014	FY 2015	\$ Chg.	% Chg.
Physical Security Systems					
Science	10,165	13,319	13,521	202	1.5%
National Nuclear Security Administration	80,310	85,934	79,866	-6,068	-7.1%
Environmental Management	24,522	25,343	36,034	10,691	42.2%
Nuclear Energy	9,916	10,434	14,718	4,284	41.1%
Energy Efficiency and Renewable Energy	0	0	0	0	N/A
Fossil Energy	990	1,072	1,057	-15	-1.4%
Legacy Management	105	123	113	-10	-8.1%
Total, Physical Security Systems	126,008	136,225	145,309	9,084	6.7%

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 (\$K)

	FY 2013	FY 2014	FY 2015	\$ Chg.	% Chg.
Information Security					
Science	4,119	4,164	4,432	268	6.4%
National Nuclear Security Administration	34,684	37,536	30,432	-7,104	-18.9%
Environmental Management	3,363	4,048	3,179	-869	-21.5%
Nuclear Energy	3,112	3,181	3,451	270	8.5%
Energy Efficiency and Renewable Energy	105	200	200	0	0.0%
Fossil Energy	308	401	359	-42	-10.5%
Legacy Management	5	6	6	0	0.0%
Total, Information Security	45,696	49,536	42,059	-7,477	-15.1%

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.

Cybersecurity*

Funding Schedule (\$K)

	FY 2013	FY 2014	FY 2015	\$ Chg.	% Chg.
Cybersecurity					
Science	15,646	17,599	16,557	-1,042	-5.9%
National Nuclear Security Administration	128,184	119,441	154,805	35,364	29.6%
Environmental Management	7,316	7,531	6,239	-1,292	-17.2%
Nuclear Energy	10,472	10,990	11,268	278	2.5%
Energy Efficiency and Renewable Energy	1,985	2,190	2,190	0	0.0%
Fossil Energy	2,943	3,289	3,186	-103	-3.1%
Legacy Management	869	771	784	13	1.7%
Total, Cybersecurity	167,415	161,811	195,029	33,218	20.5%

Mission

The Cybersecurity element of field S&S ensures that sensitive and classified information that is electronically processed, transmitted, or stored, is properly identified and protected. Cybersecurity 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 Cybersecurity 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 Cybersecurity: The Office of the Chief Information Officer also funds Cybersecurity [FY13, \$20.1 million; FY14 \$30.8 million; FY15, \$21.3 million] and program offices fund Cybersecurity 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.

	(dollars in thousands)				
	FY 2013	FY 2014	FY 2015	\$ Chg.	% Chg.
Cybersecurity (Including OCIO and CyberOne)					
Field Cybersecurity	167,415	161,811	195,529	33,718	20.8%
WCF Funding for Cybersecurity	0	40,000	40,000	0	0.0%
Office of the CIO	20,136	30,795	21,364	-9,431	-30.6%
Total, Cyber Security	187,551	232,606	256,893	24,287	10.4%

*Science entry does not include its funding for CyberOne through WCF. CyberOne funding is included only on the WCF line in the above table.

Personnel Security

Funding Schedule (\$K)

	FY 2013	FY 2014	FY 2015	\$ Chg.	%
Personnel Security					
Science	4,760	5,143	5,180	37	0.7%
National Nuclear Security Administration	29,339	34,810	34,151	-659	-1.9%
Environmental Management	8,193	8,328	6,108	-2,220	-26.7%
Nuclear Energy	3,943	4,934	5,350	416	8.4%
Energy Efficiency and Renewable Energy	698	720	720	0	0.0%
Fossil Energy	941	710	672	-38	-5.4%
Legacy Management	31	40	33	-7	-17.5%
Total, Personnel Security	47,905	54,685	52,214	-2,471	-4.5%

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 (\$K)

	FY 2013	FY 2014	FY 2015	\$ Chg.	% Chg.
Material Control and Accountability					
Science	2,283	2,397	2,061	-336	-14.0%
National Nuclear Security Administration	28,534	29,962	28,678	-1,284	-4.3%
Environmental Management	4,770	5,064	4,422	-642	-12.7%
Nuclear Energy	3,668	4,130	4,340	210	5.1%
Total, Material Control and Accountability	39,255	41,553	39,501	-2,052	-4.9%

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 (\$K)

	FY 2013	FY 2014	FY 2015	\$ Chg.	% Chg.
Program Management					
Science	5,840	6,237	6,510	273	4.4%
National Nuclear Security Administration	72,184	77,808	74,511	-3,297	-4.2%
Environmental Management	28,401	29,161	24,946	-4,215	-14.5%
Nuclear Energy	4,988	5,354	5,626	272	5.1%
Energy Efficiency and Renewable Energy	490	490	490	0	0.0%
Fossil Energy	2,123	1,923	1,908	-15	-0.8%
Legacy Management	26	32	28	-4	-12.5%
Total, Program Management	114,052	121,005	114,019	-6,986	-5.8%

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 (\$K)

	FY 2013	FY 2014	FY 2015	\$ Chg.	% Chg.
Security Investigations					
Science	5,000	4,252	4,767	515	12.1%
National Nuclear Security Administration	26,500	27,000	30,000	3,000	11.1%
Environmental Management	452	458	350	-108	-23.6%
Nuclear Energy	1,700	1,700	1,700	0	0.0%
Energy Efficiency and Renewable Energy	0	400	400	0	0.0%
Total, Security Investigations	33,652	33,810	37,217	3,407	10.1%

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 (\$K)

	FY 2013	FY 2014	FY 2015	\$ Chg.	% Chg.
Transportation Security					
National Nuclear Security Administration	201,533	210,000	233,813	23,813	11.3%
Environmental Management	325	329	259	-70	-21.3%
Total, Transportation Security	201,858	210,329	234,072	23,743	11.3%

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.

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 2013 through FY 2015 by plan and by the following Department of Energy (DOE) Program Offices:¹

- 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 2013 through FY 2019 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 Contributions²

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 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 plans³ 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 8½ 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, the General Counsel, and affected Headquarters Program Offices. Table 1 provides the information related to plans where funding in excess of the MRC was requested, 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.

¹ Tables include projected contributions from "Work-for-Others (WFO)" customers and "Other" entities (e.g., DOE departmental administration, classified programs, etc.).

² As of September 30, 2013, DOE reimburses contributions for 36 funded defined benefit (DB) pension plans and 13 non-qualified DB pension plans. Non-qualified plans have no assets and are funded on a pay-as-you-go basis.

³ 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 plan established pursuant to a collectively bargaining agreement between a labor union and a group of employers in a particular trade or industry.

Table 1- FY 2013 Contributions in Excess of the MRC

Plan	FY 2013 Minimum Required Contribution (\$K)	FY 2013 Total Amount Requested and Approved (\$K)	Rationale
Pension Plan of the Pacific Northwest Laboratories, Battelle Memorial Institute	24,760	40,000	Advance funding in order to smooth future contributions. Amendment resulting in significant reduction in pension benefits has been adopted.
Pension Plan for Eligible Bettis Employees and Retirees	35,900	70,800	The alternative funding strategy was based on previous budgeted contributions but has been revised to reflect the impact of pension stabilization.
Salaried Employee Pension Plan for KAPL Employees and Retirees	25,900	56,400	The alternative funding strategy was based on previous budgeted contributions but has been revised to reflect the impact of pension stabilization.
Pension Plan for KAPL Employees in Participating Bargaining Units	4,000	9,200	The alternative funding strategy was based on previous budgeted contributions but has been revised to reflect the impact of pension stabilization.
The Kansas City Division (Honeywell International Inc.) Hourly Employees Pension Plan	0	10,000	The alternative funding strategy reduces the overall cash contribution, reduces PBGC premiums, keeps contributions (and therefore costs) level over smoothing period.
Honeywell Retirement Earnings Plan for Aerospace Employees at the Kansas City Division	5,800	30,000	The alternative funding strategy reduces the overall cash contribution, reduces PBGC premiums, keeps contributions (and therefore costs) level over smoothing period.
LANS Defined Benefit Pension Plan	3,000	110,000	The alternative funding strategy realigns contributions among fiscal years to create a more stable stream of payments.
LLNS Defined Benefit Pension Plan	0	40,000	The alternative funding strategy requires early employer contributions in order to stabilize future payments.
B&W Pantex Retirement Plan for Non-Bargaining Employees	12,800	20,400	Alternative contributions are designed to provide a more level contribution pattern.
Sandia Corporation Retirement Income Plan	0	175,000	Reduces volatility of contributions and provides more stable cost projections
Savannah River Nuclear Solutions LLC Multiple Employer Pension Plan	113,500	115,700	Funding to 80% eliminates benefit restrictions, reduces future contribution requirements, and reduces annual PBGC premium costs. Additional funds requested reflected in site budget.
Pension Plan for Employees at ORNL	6,000	40,000	Smooths out future contributions.
WSI-LV Retirement Plan	658	1,375	Historical policy has been to contribute greater of Cost Accounting Standards and MRC.
Independent Guard Association of Nevada Pension Trust Fund (WSI)	315	1,249	Contributions are made pursuant to collective bargaining agreements. Sponsor projects contributions based on these agreements, not less than minimum funding requirement determined without regard to credit balances.

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:

- National Renewable Energy Laboratory has amended its plan so that it will no longer determine benefits based on final average earnings. Effective June 1, 2013, the amendment froze the final average benefit formula, and adopted a career average formula where employees earned a benefit each year based on their earnings for that year. The amended plan has two parts; half of that annual accrual is in the form of a variable annuity and is subject to investment risk, while the other half will be fixed. Transition benefits were provided to the older, longer service employees who will be the most affected by the plan change. The new benefit structure will result in lower ongoing costs and less volatility because employees will now bear half of the investment risk associated with future benefits.
- Lawrence Livermore National Security, LLC has amended its plan to increase employee contributions from 5% to 7% of compensation effective July 1, 2013.
- National Securities Technologies, LLC has amended its plan so that it will no longer determine benefits for its legacy employees based on final average earnings. Effective January 1, 2014, the amendment froze the final average formula to a career average formula where employees earn a benefit each year based on their earnings for that year. The new formula will subject this benefit to investment risk and transition benefits were provided to the older longer service employees who will be the most affected by the plan change. The new benefit structure for legacy employees will result in lower ongoing costs and less volatility because employees will now bear half of the investment risk associated with future benefits.

In addition, due to the termination of the contract with G4S, Inc. at Oak Ridge, the WSI, Inc. Pension Plan has been closed out. A significant portion of the plan's population and associated assets and liabilities has been spun-off to the B&W Y-12 Retirement Plan while the remaining portion has been spun off to a new contractor, National Strategic Protective Services, LLC, which has set up a mirror plan, the NSPS Pension Plan, to accept the liabilities and assets. The spin-offs occurred at the end of FY 2013.

The termination of the Fernald Employees' Retirement Plan, a Legacy Management plan, is in process and expected to be completed in FY 2014. The termination process is a lengthy process requiring notification and consent from the Pension Benefit Guaranty Corporation and approval from the Internal Revenue Service. Annuities from a highly rated insurance company will be purchased for participants currently receiving benefits; those participants who have not yet begun receiving benefits will be offered a choice between an annuity and a lump sum payment. This action will reduce budget uncertainty, reduce the liability reported on DOE's financial statement, and reduce administrative expenses.

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.⁴ 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.⁵

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

⁴ Legacy Management Plans, the NNSA legacy UC plans and the ETP Pension Plan rely on direct costs.

⁵ These allocations were provided by the contractors to the DOE in July 2013.

reimbursed by the DOE. For example, the actual contributions for fiscal year 2015 will not be known until January 2015 at the earliest because these contributions will be determined based on the asset value as of December 31, 2014, 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 July 2013; the non-qualified plan amounts equal the expected benefit payments which were determined for the prior year financial statements. 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 2013 actual and FY 2014 and FY 2015 estimated pension plan contributions eligible for reimbursement for all plans.
- Table 3 provides aggregate FY 2016-2019 estimated pension plan contributions expected to receive NNSA reimbursements.
- Table 4 provides plan-by-plan FY 2013 actual contributions and FY 2014 and FY 2015 estimated pension contributions eligible for reimbursement by NNSA and the DOE.
- Table 5 provides plan-by-plan FY 2016-2019 estimated pension plan contributions eligible for reimbursement by NNSA.

Table 2: NNSA and DOE Program Office Actual Contributions for FY 2013 and Projected Contributions for FY 2014 and FY 2015

Based on July 2013 and later⁶ data and pro-rated by Program Office

Program Office	2013 Actual	2014 Projected	2015 Projected	FY2013-FY2015 Total Projected Contributions
NNSA	735,177	842,379	951,182	2,528,738
EM	227,303	289,379	287,182	803,863
Science	65,262	72,676	77,332	215,270
EERE	19,638	28,190	31,655	79,484
NE	15,111	16,210	18,614	49,935
OE	2,159	2,158	2,033	6,351
FE	2,525	2,431	2,662	7,618
LM	6,000	14,000	0	20,000
WFO	187,347	175,077	172,146	534,570
Other	23,110	25,788	25,783	74,682
Total	1,283,632	1,468,289	1,568,589	4,320,510

There may be small variance in totals due to rounding

The FY 2013 NNSA amount reflects \$46,008K that was contributed to the Legacy UC Plans in November after a reprogramming with FY 2013 appropriated funding was completed. An additional \$22,862K will be contributed to the Legacy UC Plans in February using funding that was reprogrammed from FY 2013 appropriated funds. There is an additional \$9,884K reprogramming effort that must be completed before the entire FY 2013 reimbursement payable for these legacy UC plans will be satisfied. In addition, the FY 2015 NNSA amount includes \$85.5 M in contributions associated with a

⁶Final information for FY 2013 contributions reported in October 2013 while projected contributions for FY 2014 and later reported in July 2013 for all departmental elements except for NNSA for which January 2014 estimates are being reported.

change in methodology for recognizing accrued but unpaid contributions. However, this \$85.5 M has not been reflected in the NNSA budget because payment may not be required in FY 2015.

Table 3: FY 2015-2019 NNSA Projected Reimbursements for Pension Contributions
Based on January 2014 Data ⁷

Program Office	FY 2016	FY 2017	FY 2018	FY 2019	Total
NNSA	922,143	705,240	527,121	237,582	2,392,086

There may be small variance in totals due to rounding

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 become participants of the plan and earn benefits under a traditional defined benefit formula; *Closed* means that new employees do not become participants in the plan but active employees who were employed prior to the plan being closed continue to earn benefits. This includes plans where new entrants only or new entrants and legacy employees receive benefits under reduced hybrid formulas which are much less volatile (indicated by the word hybrid after closed). *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 accruing credit for current service under the plan.

Reimbursements & Allocations: Expected contributions are allocated by program office for fiscal year 2013-2015 with 2013 representing actual contributions and contributions for later years based on submissions as outlined in footnote 6. *There may be small variances in totals due to rounding.*

⁷ See footnote 6, supra.

Plan Name	Plan status (open, partially 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		2013	12,584	-	12,584	-	-	-	-	-	-	-	-
	Partially Closed	2014	9,700	-	9,700	-	-	-	-	-	-	-	-
	Multi- employer	2015	9,600	-	9,600	-	-	-	-	-	-	-	-
University of California Retirement Plan - Lawrence Berkeley National Laboratory		2013	29,837	513	63	19,776	2,360	200	158	567	5,812	-	388
	Open	2014	34,400	592	72	22,800	2,721	230	182	654	6,701	-	447
	State	2015	41,000	705	86	27,175	3,243	275	217	779	7,987	-	533
Pension Plan for Eligible Bettis Employees and Retirees		2013	70,800	38,940	-	-	-	-	-	-	31,860	-	-
	Closed	2014	56,200	30,910	-	-	-	-	-	-	25,290	-	-
	Single Employer	2015	54,100	29,755	-	-	-	-	-	-	24,345	-	-
Pension Plan of the Pacific Northwest Laboratories, Battelle Memorial Institute		2013	44,000	8,316	176	8,668	4,312	880	836	748	14,344	-	5,720
	Open	2014	40,000	7,560	160	7,880	3,920	800	760	680	13,040	-	5,200
	Single Employer	2015	40,000	7,560	160	7,880	3,920	800	760	680	13,040	-	5,200
Retirement Program Plan for Employees of Certain Employers at the U.S. Department of Energy Facilities at Oak Ridge, TN		2013	63,401	59,597	634	-	-	-	-	-	-	-	3,170
	Closed	2014	70,000	67,900	-	-	-	-	-	-	1,400	-	700
	Single Employer	2015	65,000	63,050	-	-	-	-	-	-	1,300	-	650
HPM Occupational Health Services Retirement Plan		2013	535	-	535	-	-	-	-	-	-	-	-
	Open	2014	865	-	865	-	-	-	-	-	-	-	-
	Single Employer	2015	865	-	865	-	-	-	-	-	-	-	-

Plan Name	Plan status (open, partially closed, closed, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
Fernald Employees' Retirement Plan		2013	-	-	-	-	-	-	-	-	-	-	-
	Frozen	2014	-	-	-	-	-	-	-	-	-	-	-
	Single Employer	2015	-	-	-	-	-	-	-	-	-	-	-
Hanford Multi-Employer Pension Plan		2013	94,864	-	91,069	3,795	-	-	-	-	-	-	-
	Partially Closed	2014	86,286	-	82,834	3,451	-	-	-	-	-	-	-
	Multi- employer	2015	88,919	-	85,362	3,557	-	-	-	-	-	-	-
Idaho National Laboratory Employee Retirement Plan		2013	42,538	4,934	22,545	149	685	8,363	4	21	4,505	-	1,331
	Closed	2014	49,200	5,707	26,076	172	792	9,673	5	25	5,210	-	1,540
	Multiple Employer	2015	59,800	6,937	31,694	209	963	11,757	6	30	6,333	-	1,872
Salaried Employee Pension Plan for KAPL Employees and Retirees		2013	56,400	31,020	-	-	-	-	-	-	25,380	-	-
	Closed	2014	48,000	26,400	-	-	-	-	-	-	21,600	-	-
	Single Employer	2015	46,900	25,795	-	-	-	-	-	-	21,105	-	-
Pension Plan for KAPL Employees in Participating Bargaining Units		2013	9,200	5,060	-	-	-	-	-	-	4,140	-	-
	Closed	2014	7,400	4,070	-	-	-	-	-	-	3,330	-	-
	Single Employer	2015	5,600	3,080	-	-	-	-	-	-	2,520	-	-
Kansas City Division Hourly Employees' Pension Plan		2013	10,000	9,110	-	-	-	-	-	-	890	-	-
	Closed	2014	10,000	9,340	-	-	-	-	-	-	660	-	-
	Single Employer	2015	5,000	4,670	-	-	-	-	-	-	330	-	-

Plan Name	Plan status (open, partially closed, closed, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
Honeywell Retirement Earnings Plan for Aerospace Employees at the Kansas City Division		2013	30,000	26,280	-	-	-	-	-	-	3,720	-	-
	Closed	2014	30,000	27,540	-	-	-	-	-	-	2,460	-	-
	Single Employer	2015	15,000	13,770	-	-	-	-	-	-	1,230	-	-
LANS Defined Benefit Pension Plan		2013	110,000	79,200	8,800	4,400	550	2,200	-	550	13,200	-	1,100
	Closed	2014	110,000	78,100	7,700	6,600	550	2,200	-	550	13,200	-	1,100
	Single Employer	2015	140,000	99,400	9,800	8,400	700	2,800	-	700	16,800	-	1,400
University of California Retirement Plan - Lawrence Livermore National Laboratory Retained Segment		2013	166,949	166,949	-	-	-	-	-	-	-	-	-
	Frozen	2014	231,800	231,800	-	-	-	-	-	-	-	-	-
	State	2015	307,000	307,000	-	-	-	-	-	-	-	-	-
LLNS Defined Benefit Pension Plan		2013	40,000	29,324	80	1,828	216	84	8	124	7,636	-	700
	Closed	2014	20,000	14,800	-	600	200	-	-	-	4,000	-	400
	Single Employer	2015	23,000	16,560	-	690	230	-	-	-	5,060	-	460
Lockheed Martin Specialty Components, Inc. Pension Plan		2013	-	-	-	-	-	-	-	-	-	-	-
	Frozen	2014	14,000	-	-	-	-	-	-	-	-	14,000	-
	Single Employer	2015	-	-	-	-	-	-	-	-	-	-	-
University of California Retirement Plan - Los Alamos National Laboratory Retained Segment		2013	107,186	107,186	-	-	-	-	-	-	-	-	-
	Frozen	2014	141,500	141,500	-	-	-	-	-	-	-	-	-
	Single Employer	2015	188,400	188,400	-	-	-	-	-	-	-	-	-

Plan Name	Plan status (open, partially closed, closed, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
National Renewable Energy Laboratory Retirement Plan		2013	5,355	-	-	375	4,070	-	107	-	803	-	-
	Open	2014	16,772	-	-	1,174	12,747	-	335	-	2,516	-	-
	Single Employer	2015	21,266	-	-	1,489	16,162	-	425	-	3,190	-	-
National Strategic Protective Services Pension Plan		2013	-	-	-	-	-	-	-	-	-	-	-
	Closed	2014	3,911	-	1,846	2,065	-	-	-	-	-	-	-
	Single Employer	2015	2,718	-	1,283	1,435	-	-	-	-	-	-	-
National Security Technologies, LLC (NSTec) Employee Retirement Plan		2013	11,997	7,786	1,032	-	-	-	-	-	2,807	-	372
	Closed	2014	23,000	14,927	1,978	-	-	-	-	-	5,382	-	713
	Single Employer	2015	29,300	19,016	2,520	-	-	-	-	-	6,856	-	908
B&W Pantex Retirement Plan for Bargaining Unit Members of the Pantex Guards Union		2013	1,951	1,931	-	-	-	-	-	-	20	-	-
	Closed	2014	2,160	2,138	-	-	-	-	-	-	22	-	-
	Single Employer	2015	2,710	2,683	-	-	-	-	-	-	27	-	-
Retirement Plan for Bargaining Unit Employees of the Metal Trades Council of B&W Pantex		2013	7,341	7,267	-	-	-	-	-	-	73	-	-
	Open	2014	7,670	7,593	-	-	-	-	-	-	77	-	-
	Single Employer	2015	8,880	8,791	-	-	-	-	-	-	89	-	-
B&W Pantex Retirement Plan for Non-Bargaining Employees		2013	20,398	20,194	-	-	-	-	-	-	204	-	-
	Closed	2014	19,360	19,166	-	-	-	-	-	-	194	-	-
	Single Employer	2015	17,330	17,157	-	-	-	-	-	-	173	-	-

Plan Name	Plan status (open, partially closed, closed, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
Rocky Flats Retirement Plan for Hourly Protection Employees		2013	4,000	-	-	-	-	-	-	-	-	4,000	-
	Frozen	2014	-	-	-	-	-	-	-	-	-	-	-
	Single Employer	2015	-	-	-	-	-	-	-	-	-	-	-
Rocky Flats Retirement Plan		2013	2,000	-	-	-	-	-	-	-	-	2,000	-
	Frozen	2014	-	-	-	-	-	-	-	-	-	-	-
	Single Employer	2015	-	-	-	-	-	-	-	-	-	-	-
Sandia Corporation Retirement Income Plan		2013	175,209	98,993	876	4,380	4,030	1,402	876	350	62,900	-	1,402
	Closed	2014	175,000	101,675	1,050	4,900	3,675	1,225	700	350	60,550	-	875
	Single Employer	2015	150,000	87,900	750	3,450	2,850	900	450	300	52,200	-	1,200
Savannah River Nuclear Solutions LLC Multiple Employer Pension Plan		2013	115,694	24,296	83,300	-	-	-	-	-	-	-	8,099
	Closed	2014	199,500	41,895	143,640	-	-	-	-	-	-	-	13,965
	Multiple Employer	2015	181,500	39,930	128,865	-	-	-	-	-	-	-	12,705
B&W Conversion Services Pension Plan for Grandfathered Employees		2013	1,019	-	1,019	-	-	-	-	-	-	-	-
	Closed	2014	2,011	-	2,011	-	-	-	-	-	-	-	-
	Single Employer	2015	2,658	-	2,658	-	-	-	-	-	-	-	-
Pension Plan for Employees at ORNL		2013	40,000	3,640	480	21,760	3,360	1,960	160	160	7,720	-	760
	Open	2014	42,000	3,822	504	22,848	3,528	2,058	168	168	8,106	-	798
	Single Employer	2015	42,000	3,822	504	22,848	3,528	2,058	168	168	8,106	-	798

Plan Name	Plan status (open, partially closed, closed, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
Waste Isolation Pilot Plant Pension Plan		2013	3,471	-	3,471	-	-	-	-	-	-	-	-
	Open	2014	6,800	-	6,800	-	-	-	-	-	-	-	-
	Single Employer	2015	8,400	-	8,400	-	-	-	-	-	-	-	-
West Valley Pension Plan		2013	-	-	-	-	-	-	-	-	-	-	-
	Closed	2014	3,600	-	3,600	-	-	-	-	-	-	-	-
	Single Employer	2015	4,100	-	4,100	-	-	-	-	-	-	-	-
Mound Employees Pension Plan		2013	-	-	-	-	-	-	-	-	-	-	-
	Frozen	2014	-	-	-	-	-	-	-	-	-	-	-
	Single Employer	2015	-	-	-	-	-	-	-	-	-	-	-
WSI-LV Retirement Plan		2013	1,236	1,236	-	-	-	-	-	-	-	-	-
	Closed	2014	1,495	1,495	-	-	-	-	-	-	-	-	-
	Single Employer	2015	1,611	1,611	-	-	-	-	-	-	-	-	-
Independent Guard Association of Nevada Pension Trust Fund		2013	1,229	1,229	-	-	-	-	-	-	-	-	-
	Closed	2014	1,230	1,230	-	-	-	-	-	-	-	-	-
	Single Employer	2015	1,180	1,180	-	-	-	-	-	-	-	-	-
Yucca Mountain Salaried Pension Plan		2013	-	-	-	-	-	-	-	-	-	-	-
	Frozen	2014	-	-	-	-	-	-	-	-	-	-	-
	Single Employer	2015	-	-	-	-	-	-	-	-	-	-	-

Plan Name	Plan status (open, partially closed, closed, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
Battelle Excess Benefit and SERP Plans		2013	11	2	0	2	1	0	0	0	3	-	1
	Closed	2014	10	2	0	2	1	0	0	0	3	-	1
	Non-qualified	2015	10	2	0	2	1	0	0	0	3	-	1
Executive and Supplemental Pension Plans for Designated Bettis Employees		2013	1,188	653	-	-	-	-	-	-	535	-	-
	Closed	2014	1,243	684	-	-	-	-	-	-	559	-	-
	Non-qualified	2015	1,352	743	-	-	-	-	-	-	608	-	-
Excess and Supplemental Pension Plans for Designated KAPL Employees		2013	221	121	-	-	-	-	-	-	99	-	-
	Closed	2014	260	143	-	-	-	-	-	-	117	-	-
	Non-qualified	2015	273	150	-	-	-	-	-	-	123	-	-
LANS 401(a)(17) Restoration Plan		2013	-	-	-	-	-	-	-	-	-	-	-
	Closed	2014	23	16	2	1	0	0	-	0	3	-	0
	Non-qualified	2015	38	27	3	2	0	1	-	0	5	-	0
LANS Restoration Plan		2013	11	8	1	0	0	0	-	0	1	-	0
	Closed	2014	8	5	1	0	0	0	-	0	1	-	0
	Non-qualified	2015	11	8	1	1	0	0	-	0	1	-	0
LLNS 401(a)(17) Restoration Plan		2013	79	58	0	4	0	0	0	0	15	-	1
	Closed	2014	130	96	-	4	1	-	-	-	26	-	3
	Non-qualified	2015	178	128	-	5	2	-	-	-	39	-	4

Plan Name	Plan status (open, partially closed, closed, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
LLNS Restoration Plan		2013	19	14	0	1	0	0	0	0	4	-	0
	Closed	2014	75	55	-	2	1	-	-	-	15	-	1
	Non-qualified	2015	111	80	-	3	1	-	-	-	24	-	2
Sandia Nonqualified Plan		2013	1,803	1,019	9	45	41	14	9	4	647	-	14
	Closed	2014	1,639	952	10	46	34	11	7	3	567	-	8
	Non-qualified	2015	1,713	1,004	9	39	33	10	5	3	596	-	14
SRNS Nonqualified Plan		2013	557	117	401	-	-	-	-	-	-	-	39
	Frozen	2014	431	90	310	-	-	-	-	-	-	-	30
	Non-qualified	2015	420	92	298	-	-	-	-	-	-	-	29
Washington Tru - Washington Government Services Executive Pension Plan		2013	49	-	49	-	-	-	-	-	-	-	-
	Frozen	2014	57	-	57	-	-	-	-	-	-	-	-
	Non-qualified	2015	58	-	58	-	-	-	-	-	-	-	-
West Valley - Washington Government Services Executive Pension Plan		2013	176	-	176	-	-	-	-	-	-	-	-
	Frozen	2014	161	-	161	-	-	-	-	-	-	-	-
	Non-qualified	2015	162	-	162	-	-	-	-	-	-	-	-
BW Y-12 NQ Plan		2013	180	169	2	-	-	-	-	-	-	-	9
	Frozen	2014	157	152	-	-	-	-	-	-	3	-	2
	Non-qualified	2015											

Plan Name	Plan status (open, partially closed, closed, frozen)	Fiscal Year	Total	NNSA	EM	Science	EERE	NE	OE	FE	WFO	LM	Other
			156	152	-	-	-	-	-	-	3	-	2
UTB ORNL NQ Plan		2013	146	13	2	80	12	7	1	1	28	-	3
	Frozen	2014	238	22	3	129	20	12	1	1	46	-	5
	Non-qualified	2015	268	24	3	146	23	13	1	1	52	-	5
Total		2013	1,283,632	735,177	227,303	65,262	19,638	15,111	2,159	2,525	187,347	6,000	23,110
		2014	1,468,289	842,379	289,379	72,676	28,190	16,210	2,158	2,431	175,077	14,000	25,788
		2015	1,568,589	951,182	287,182	77,332	31,655	18,614	2,033	2,662	172,146	-	25,783

Plan Name	Fiscal Year	NNSA
University of California Retirement Plan - Lawrence Berkeley National Laboratory	2016	829
	2017	929
	2018	958
	2019	992
Pension Plan for Eligible Bettis Employees and Retirees	2016	38,610
	2017	14,960
	2018	11,605
	2019	11,275
Pension Plan of the Pacific Northwest Laboratories, Battelle Memorial Institute	2016	7,560
	2017	7,560
	2018	7,560
	2019	7,560
Retirement Program Plan for Employees of Certain Employers at the U.S. Department of Energy Facilities at Oak Ridge, TN	2016	63,050
	2017	63,050
	2018	20,370
	2019	-
Idaho National Laboratory Employee Retirement Plan	2016	8,340
	2017	7,030
	2018	5,092
	2019	4,396
Salaried Employee Pension Plan for KAPL Employees and Retirees	2016	37,290
	2017	16,830
	2018	12,650
	2019	12,375
Pension Plan for KAPL Employees in Participating Bargaining Units	2016	4,565
	2017	1,925
	2018	1,320
	2019	1,265
Kansas City Division Hourly Employees' Pension Plan	2016	2,615
	2017	4,670
	2018	-
	2019	-

Plan Name	Fiscal Year	NNSA
Honeywell Retirement Earnings Plan for Aerospace Employees at the Kansas City Division	2016	13,495
	2017	2,570
	2018	643
	2019	-
LANS Defined Benefit Pension Plan	2016	95,140
	2017	90,880
	2018	86,620
	2019	82,360
University of California Retirement Plan - Lawrence Livermore National Laboratory Retained Segment	2016	287,500
	2017	199,100
	2018	131,800
	2019	-
LLNS Defined Benefit Pension Plan	2016	16,560
	2017	15,840
	2018	15,120
	2019	14,400
University of California Retirement Plan - Los Alamos National Laboratory Retained Segment	2016	174,000
	2017	155,400
	2018	118,000
	2019	-
National Security Technologies, LLC (NSTec) Employee Retirement Plan	2016	17,588
	2017	15,706
	2018	8,762
	2019	1,493
B&W Pantex Retirement Plan for Bargaining Unit Members of the Pantex Guards Union	2016	3,020
	2017	3,029
	2018	2,802
	2019	2,584
Retirement Plan for Bargaining Unit Employees of the Metal Trades Council of B&W Pantex	2016	9,554
	2017	9,435
	2018	9,049
	2019	8,445

Plan Name	Fiscal Year	NNSA
B&W Pantex Retirement Plan for Non-Bargaining Employees	2016	16,088
	2017	16,206
	2018	16,790
	2019	14,127
Sandia Corporation Retirement Income Plan	2016	67,390
	2017	35,160
	2018	35,160
	2019	35,160
Savannah River Nuclear Solutions LLC Multiple Employer Pension Plan	2016	49,786
	2017	35,398
	2018	35,200
	2019	36,586
Pension Plan for Employees at ORNL	2016	3,822
	2017	4,095
	2018	2,639
	2019	-
WSI-LV Retirement Plan	2016	1,641
	2017	1,617
	2018	1,011
	2019	473
Independent Guard Association of Nevada Pension Trust Fund	2016	1,100
	2017	1,050
	2018	980
	2019	900
Battelle Excess Benefit and SERP Plans	2016	2
	2017	2
	2018	2
	2019	2
Executive and Supplemental Pension Plans for Designated Bettis Employees	2016	786
	2017	836
	2018	865
	2019	887

Plan Name	Fiscal Year	NNSA
Excess and Supplemental Pension Plans for Designated KAPL Employees	2016	155
	2017	160
	2018	167
	2019	173
LANS 401(a)(17) Restoration Plan	2016	38
	2017	50
	2018	65
	2019	85
LANS Restoration Plan	2016	11
	2017	15
	2018	21
	2019	31
LLNS 401(a)(17) Restoration Plan	2016	172
	2017	228
	2018	292
	2019	362
LLNS Restoration Plan	2016	115
	2017	157
	2018	210
	2019	273
Sandia Nonqualified Plan	2016	1,055
	2017	1,086
	2018	1,104
	2019	1,115
SRNS Nonqualified Plan	2016	89
	2017	86
	2018	82
	2019	79
BW-Y12 NQ Plan	2016	151
	2017	150
	2018	148
	2019	145

Plan Name	Fiscal Year	NNSA
UTB ORNL NQ Plan	2016	28
	2017	31
	2018	34
	2019	37
	Total	
	2016	922,143
	2017	705,240
	2018	527,121
	2019	237,582

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 2014 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.^h 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 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:

- **Increased Retiree Cost-Share:** One contractor increased their pre-65 retirees' cost share of plan premiums.
- **Medicare Exchange Programs for Post-65 Retirees:** Six contractors have moved their post-65 retirees from the employer-sponsored plan to a Medicare Exchange program with an employer-provided stipend for coverage provided in a Health Reimbursement Arrangement. These plans reduce retiree medical costs while providing the retirees with opportunities to select a medical plan tailored to their needs.

^h The LM plans and WSI-OR plans rely on direct costs.

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 July 2013; 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 2013-2015 projected other postretirement benefit reimbursements.
- Table 2 provides aggregate FY 2016-2019 projected other postretirement benefit reimbursements for NNSA.

Table 1: FY 2013-2015 NNSA and DOE Program Office Projected Other Postretirement Benefits Payments
Based on July 2013 data call and pro-rated by Program Office

Program Office	FY 2013 (\$K)	FY 2014 (\$K)	FY 2015 (\$K)	Total FY 2013-FY 2015 (\$K)
NNSA	136,544	183,770	200,967	521,282
EM	70,476	86,855	92,270	249,601
SC	53,524	56,235	60,351	170,110
EERE	5,024	5,179	5,551	15,754
NE	4,678	7,140	7,798	19,616
OE	427	433	416	1,275
FE	1,293	1,291	1,367	3,951
WFO	40,518	54,811	58,993	154,322
LM	70,030	83,441	85,867	239,337
Other	8,183	9,859	10,704	28,745
Total	390,697	489,014	524,283	1,403,993

Table 2: FY 2016-2019 NNSA and DOE Program Office Projected Other Postretirement Benefits Payments
Based on July 2013 data call and pro-rated by Program Office

Program Office	FY 2016 (\$K)	FY 2017 (\$K)	FY 2018 (\$K)	FY 2019 (\$K)	FY 2016-FY2019 Total Projected Contributions (\$K)
NNSA	217,056	231,632	248,518	264,079	961,286

**GENERAL PROVISIONS – DEPARTMENT OF ENERGY
(INCLUDING TRANSFER OF FUNDS)**

[SEC. 301. (a) No appropriation, funds, or authority made available by this title for the Department of Energy shall be used to initiate or resume any program, project, or activity or to prepare or initiate Requests For Proposals or similar arrangements (including Requests for Quotations, Requests for Information, and Funding Opportunity Announcements) for a program, project, or activity if the program, project, or activity has not been funded by Congress.

(b)(1) Unless the Secretary of Energy notifies the Committees on Appropriations of the House of Representatives and the Senate at least 3 full business days in advance, none of the funds made available in this title may be used to—

- (A) make a grant allocation or discretionary grant award totaling \$1,000,000 or more;
- (B) make a discretionary contract award or Other Transaction Agreement totaling \$1,000,000 or more, including a contract covered by the Federal Acquisition Regulation;
- (C) issue a letter of intent to make an allocation, award, or Agreement in excess of the limits in subparagraph (A) or (B); or
- (D) announce publicly the intention to make an allocation, award, or Agreement in excess of the limits in subparagraph (A) or (B).

(2) The Secretary of Energy shall submit to the Committees on Appropriations of the House of Representatives and the Senate within 15 days of the conclusion of each quarter a report detailing each grant allocation or discretionary grant award totaling less than \$1,000,000 provided during the previous quarter.

(3) The notification required by paragraph (1) and the report required by paragraph (2) shall include the recipient of the award, the amount of the award, the fiscal year for which the funds for the award were appropriated, the account and program, project, or activity from which the funds are being drawn, the title of the award, and a brief description of the activity for which the award is made.

(c) The Department of Energy may not, with respect to any program, project, or activity that uses budget authority made available in this title under the heading “Department of Energy—Energy Programs”, enter into a multiyear contract, award a multiyear grant, or enter into a multiyear cooperative agreement unless—

- (1) the contract, grant, or cooperative agreement is funded for the full period of performance as anticipated at the time of award; or
- (2) the contract, grant, or cooperative agreement includes a clause conditioning the Federal Government's obligation on the availability of future year budget authority and the Secretary notifies the Committees on Appropriations of the House of Representatives and the Senate at least 3 days in advance.

(d) Except as provided in subsections (e), (f), and (g), the amounts made available by this title shall be expended as authorized by law for the programs, projects, and activities specified in the “Final Bill” column in the “Department of Energy” table included under the heading “Title III—Department of Energy” in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act).

(e) The amounts made available by this title may be reprogrammed for any program, project, or activity, and the Department shall notify the Committees on Appropriations of the House of Representatives and the Senate at least 30 days prior to the use of any proposed reprogramming which would cause any program, project, or activity funding level to increase or decrease by more than \$5,000,000 or 10 percent, whichever is less, during the time period covered by this Act.

(f) None of the funds provided in this title shall be available for obligation or expenditure through a reprogramming of funds that—

- (1) creates, initiates, or eliminates a program, project, or activity;
- (2) increases funds or personnel for any program, project, or activity for which funds are denied or restricted by this Act; or
- (3) reduces funds that are directed to be used for a specific program, project, or activity by this Act.

(g)(1) The Secretary of Energy may waive any requirement or restriction in this section that applies to the use of funds made available for the Department of Energy if compliance with such requirement or restriction would pose a substantial risk to human health, the environment, welfare, or national security.

(2) The Secretary of Energy shall notify the Committees on Appropriations of the House of Representatives and the Senate of any waiver under paragraph (1) as soon as practicable, but not later than 3 days after the date of the activity to which a requirement or restriction would otherwise have applied. Such notice shall include an explanation of the substantial risk under paragraph (1) that permitted such waiver.]

SEC. [302]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. [303]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] 2015 until the enactment of the Intelligence Authorization Act for fiscal year [2014] 2015.

SEC. [304]303. 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]304. 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. 305. Section 15(g) of Public Law 85-536 (15 U.S.C. 644), as amended, is further amended by striking paragraph (3).

[SEC. 306. (a) Any determination (including a determination made prior to the date of enactment of this Act) by the Secretary pursuant to section 3112(d)(2)(B) of the USEC Privatization Act (110 Stat. 1321-335), as amended, shall be valid for not more than 2 calendar years subsequent to such determination.

(b) Not less than 30 days prior to the provision of uranium in any form the Secretary shall notify the House and Senate Committees on Appropriations of the following:

- (1) the amount of uranium to be provided;
- (2) an estimate by the Secretary of the gross fair market value of the uranium on the expected date of the provision of the uranium;
- (3) the expected date of the provision of the uranium;
- (4) the recipient of the uranium; and
- (5) the value the Secretary expects to receive in exchange for the uranium, including any adjustments to the gross fair market value of the uranium.]

[SEC. 307. Section 20320 of the Continuing Appropriations Resolution, 2007, Public Law 109-289, division B, as amended by the Revised Continuing Appropriations Resolution, 2007, Public Law 110-5, is amended by striking in subsection (c) "an annual review" after "conduct" and inserting in lieu thereof "a review every three years".]

[SEC. 308. None of the funds made available by this or any subsequent Act for fiscal year 2014 or any fiscal year hereafter may be used to pay the salaries of Department of Energy employees to carry out the amendments made by section 407 of division A of the American Recovery and Reinvestment Act of 2009.]

SEC. [309]306. Notwithstanding section 307 of Public Law 111-85, of the funds made available by the Department of Energy for activities at Government-owned, contractor-operated laboratories funded in this or any subsequent Energy and Water Development Appropriations Act for any fiscal year, the Secretary may authorize a specific amount, not to exceed 6 percent of such funds, to be used by such laboratories for laboratory directed research and development.

[SEC. 310. Notwithstanding section 301(c) of this Act, none of the funds made available under the heading "Department of Energy—Energy Programs—Science" may be used for a multiyear contract, grant, cooperative agreement, or Other Transaction Agreement of \$1,000,000 or less unless the contract, grant, cooperative agreement, or Other Transaction Agreement is funded for the full period of performance as anticipated at the time of award.]

[SEC. 311. (a) Not later than June 30, 2014, the Secretary shall submit to the Committees on Appropriations of the House of Representatives and the Senate a tritium and enriched uranium management plan that provides—

- (1) an assessment of the national security demand for tritium and low and highly enriched uranium through 2060;
- (2) a description of the Department of Energy's plan to provide adequate amounts of tritium and enriched uranium for national security purposes through 2060; and
- (3) an analysis of planned and alternative technologies which are available to meet the supply needs for tritium and

enriched uranium for national security purposes, including weapons dismantlement and down-blending.

(b) The analysis provided by (a)(3) shall include a detailed estimate of the near and long-term costs to the Department of Energy should the Tennessee Valley Authority no longer be a viable tritium supplier.】

[SEC. 312. The Secretary of Energy shall submit to the congressional defense committees (as defined in U.S.C. 101(a)(16)), a report on each major warhead refurbishment program that reaches the Phase 6.3 milestone, and not later than April 1, 2014 for the B61–12 life extension program, that provides an analysis of alternatives which includes—

- (1) a full description of alternatives considered prior to the award of Phase 6.3;
- (2) a comparison of the costs and benefits of each of those alternatives, to include an analysis of trade-offs among cost, schedule, and performance objectives against each alternative considered;
- (3) identification of the cost and risk of critical technology elements associated with each alternative, including technology maturity, integration risk, manufacturing feasibility, and demonstration needs;
- (4) identification of the cost and risk of additional capital asset and infrastructure capabilities required to support production and certification of each alternative;
- (5) a comparative analysis of the risks, costs, and scheduling needs for any military requirement intended to enhance warhead safety, security, or maintainability, including any requirement to consolidate and/or integrate warhead systems or mods as compared to at least one other feasible refurbishment alternative the Nuclear Weapons Council considers appropriate; and
- (6) a life-cycle cost estimate for the alternative selected that details the overall cost, scope, and schedule planning assumptions. For the B61–12 life extension program, the life cycle cost estimate shall include an analysis of reduced life cycle costs for Option 3b, including cost savings from consolidating the different B61 variants.】

[SEC. 313. (a) IN GENERAL.—Subject to subsections (b) through (d), the Secretary may appoint, without regard to the provisions of chapter 33 of title 5, United States Code, governing appointments in the competitive service, exceptionally well qualified individuals to scientific, engineering, or other critical technical positions.

(b) LIMITATIONS.—

(1) NUMBER OF POSITIONS.—The number of critical positions authorized by subsection (a) may not exceed 120 at any one time in the Department.

(2) TERM.—The term of an appointment under subsection (a) may not exceed 4 years.

(3) PRIOR EMPLOYMENT.—An individual appointed under subsection (a) shall not have been a Department employee during the 2-year period ending on the date of appointment.

(4) PAY.—

(A) IN GENERAL.—The Secretary shall have the authority to fix the basic pay of an individual appointed under subsection (a) at a rate to be determined by the Secretary up to level I of the Executive Schedule without regard to the civil service laws.

(B) TOTAL ANNUAL COMPENSATION.—The total annual compensation for any individual appointed under subsection (a) may not exceed the highest total annual compensation payable at the rate determined under section 104 of title 3, United States Code.

(5) ADVERSE ACTIONS.—An individual appointed under subsection

(a) may not be considered to be an employee for purposes of subchapter II of chapter 75 of title 5, United States Code.

(c) REQUIREMENTS.—

(1) IN GENERAL.—The Secretary shall ensure that—

(A) the exercise of the authority granted under subsection (a) is consistent with the merit principles of section 2301 of title 5, United States Code; and

(B) the Department notifies diverse professional associations and institutions of higher education, including those serving the interests of women and racial or ethnic minorities that are underrepresented in scientific, engineering, and mathematical fields, of position openings as appropriate.

(2) REPORT.—Not later than 2 years after the date of enactment of this Act, the Secretary and the Director of the Office of Personnel Management shall submit to Congress a report on the use of the authority provided under this section that includes, at a minimum, a description or analysis of—

(A) the ability to attract exceptionally well qualified scientists, engineers, and technical personnel;

(B) the amount of total compensation paid each employee hired under the authority each calendar year; and

(C) whether additional safeguards or measures are necessary to carry out the authority and, if so, what action, if any, has been taken to implement the safeguards or measures.

(d) TERMINATION OF EFFECTIVENESS.—The authority provided by this section terminates effective on the date that is 4 years after the date of enactment of this Act.】

[SEC. 314. Section 804 of Public Law 110–140 (42 U.S.C. 17283) is hereby repealed.]

[SEC. 315. Section 205 of Public Law 95–91 (42 U.S.C. 7135), as amended, is hereby further amended:

- (1) in paragraph (i)(1) by striking “once every two years” and inserting “once every four years”; and
- (2) in paragraph (k)(1) by striking “once every three years” and inserting “once every four years”.]

[SEC. 316. Notwithstanding any other provision of law, the Department may use funds appropriated by this title to carry out a study regarding the conversion to contractor performance of any function performed by Federal employees at the New Brunswick Laboratory, pursuant to Office of Management and Budget Circular A-76 or any other administrative regulation, directive, or policy.]

[SEC. 317. Of the amounts appropriated for non-defense programs in this title, \$7,000,000 are hereby reduced to reflect savings from limiting foreign travel for contractors working for the Department of Energy, consistent with similar savings achieved for Federal employees. The Department shall allocate the reduction among the non-security appropriations made in this title.]

[SEC. 318. Section 15(g) of Public Law 85–536 (15 U.S.C. 644), as amended, is hereby further amended by inserting the following at the end: “(3) First tier subcontracts that are awarded by Management and Operating contractors sponsored by the Department of Energy to small business concerns, small businesses concerns owned and controlled by service disabled veterans, qualified HUBZone small business concerns, small business concerns owned and controlled by socially and economically disadvantaged individuals, and small business concerns owned and controlled by women, shall be considered toward the annually established agency and Government-wide goals for procurement contracts awarded.”.]

[SEC. 319. (a) ESTABLISHMENT.—The Secretary shall establish an independent commission to be known as the “Commission to Review the Effectiveness of the National Energy Laboratories.” The National Energy Laboratories refers to all Department of Energy and National Nuclear Security Administration national laboratories.

(b) MEMBERS.—

- (1) The Commission shall be composed of nine members who shall be appointed by the Secretary of Energy not later than May 1, 2014, from among persons nominated by the President's Council of Advisors on Science and Technology.
- (2) The President's Council of Advisors on Science and Technology shall, not later than March 15, 2014, nominate not less than 18 persons for appointment to the Commission from among persons who meet qualification described in paragraph (3).
- (3) Each person nominated for appointment to the Commission shall—
 - (A) be eminent in a field of science or engineering; and/or
 - (B) have expertise in managing scientific facilities; and/or
 - (C) have expertise in cost and/or program analysis; and
 - (D) have an established record of distinguished service.
- (4) The membership of the Commission shall be representative of the broad range of scientific, engineering, financial, and managerial disciplines related to activities under this title.
- (5) No person shall be nominated for appointment to the Board who is an employee of—
 - (A) the Department of Energy;
 - (B) a national laboratory or site under contract with the Department of Energy;
 - (C) a managing entity or parent company for a national laboratory or site under contract with the Department of Energy; or
 - (D) an entity performing scientific and engineering activities under contract with the Department of Energy.

(c) COMMISSION REVIEW AND RECOMMENDATIONS.—

- (1) The Commission shall, by no later than February 1, 2015, transmit to the Secretary of Energy and the Committees on Appropriations of the House of Representatives and the Senate a report containing the Commission's findings and conclusions.
- (2) The Commission shall address whether the Department of Energy's national laboratories—
 - (A) are properly aligned with the Department's strategic priorities; (B) have clear, well understood, and properly balanced missions that are not unnecessarily redundant and duplicative;
 - (C) have unique capabilities that have sufficiently evolved to meet current and future energy and national security challenges;
 - (D) are appropriately sized to meet the Department's energy and national security missions; and

(E) are appropriately supporting other Federal agencies and the extent to which it benefits DOE missions.

(3) The Commission shall also determine whether there are opportunities to more effectively and efficiently use the capabilities of the national laboratories, including consolidation and realignment, reducing overhead costs, reevaluating governance models using industrial and academic bench marks for comparison, and assessing the impact of DOE's oversight and management approach. In its evaluation, the Commission should also consider the cost and effectiveness of using other research, development, and technology centers and universities as an alternative to meeting DOE's energy and national security goals.

(4) The Commission shall analyze the effectiveness of the use of laboratory directed research and development (LDRD) to meet the Department of Energy's science, energy, and national security goals. The Commission shall further evaluate the effectiveness of the Department's oversight approach to ensure LDRD-funded projects are compliant with statutory requirements and congressional direction, including requirements that LDRD projects be distinct from projects directly funded by appropriations and that LDRD projects derived from the Department's national security programs support the national security mission of the Department of Energy. Finally, the Commission shall quantify the extent to which LDRD funding supports recruiting and retention of qualified staff.

(5) The Commission's charge may be modified or expanded upon approval of the Committees on Appropriations of the House of Representatives and the Senate.

(d) RESPONSE BY THE SECRETARY OF ENERGY.—

(1) The Secretary of Energy shall, by no later than April 1, 2015, transmit to Committees on Appropriations of the House of Representatives and the Senate a report containing the Secretary's approval or disapproval of the Commission's recommendations and an implementation plan for approved recommendations.]

[SEC. 320. The Committees on Appropriations of the House of Representatives and the Senate shall receive a 30-day advance notification with a detailed explanation of any waiver or adjustment made by the National Nuclear Security Administration's Fee Determining Official to at-risk award fees for Management and Operating contractors that result in award term extensions.]

[SEC. 321. To further the research, development, and demonstration of national nuclear security-related enrichment technologies, the Secretary of Energy may transfer up to \$56,650,000 of funding made available in this title under the heading "National Nuclear Security Administration" to "National Nuclear Security Administration, Weapons Activities" not earlier than 30 days after the Secretary provides to the Committees on Appropriations of the House of Representatives and the Senate a cost-benefit analysis of available and prospective domestic enrichment technologies for national security needs, the scope, schedule, and cost of his preferred option, and after congressional notification and approval of the Committees on Appropriations of the House of Representatives and the Senate.]

[SEC. 322. None of the funds made available in this Act may be used—

(1) to implement or enforce section 430.32(x) of title 10, Code of Federal Regulations; or

(2) to implement or enforce the standards established by the tables contained in section 325(i)(1)(B) of the Energy Policy and Conservation Act (42 U.S.C. 6295(i)(1)(B)) with respect to BPAR incandescent reflector lamps, BR incandescent reflector lamps, and ER incandescent reflector lamps.] (*Energy and Water Development and Related Agencies Appropriations Act, 2014.*)

TITLE V—GENERAL PROVISIONS

SEC. 501. None of the funds appropriated by this Act may be used in any way, directly or indirectly, to influence congressional action on any legislation or appropriation matters pending before Congress, other than to communicate to Members of Congress as described in 18 U.S.C. 1913.

SEC. 502. None of the funds made available by this Act may be used to enter into a contract, memorandum of understanding, or cooperative agreement with, make a grant to, or provide a loan or loan guarantee to any corporation that was convicted of a felony criminal violation under any Federal law within the preceding 24 months, where the awarding agency is aware of the conviction, unless [the] *a Federal* agency has considered suspension or debarment of the corporation and [has] made a determination that this further action is not necessary to protect the interests of the Government.

SEC. 503. None of the funds made available by this Act may be used to enter into a contract, memorandum of understanding, or cooperative agreement with, make a grant to, or provide a loan or loan guarantee to, any corporation that has any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability, where the awarding agency is aware of the unpaid tax liability, unless [the] *a Federal* agency has considered suspension or debarment of the corporation and [has] made a determination that this further action is not necessary to protect the interests of the Government.

[SEC. 504. (a) None of the funds made available in title III of this Act may be transferred to any department, agency, or instrumentality of the United States Government, except pursuant to a transfer made by or transfer authority provided in this Act or any other appropriations Act for any fiscal year, transfer authority referenced in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act), or any authority whereby a department, agency, or instrumentality of the United States Government may provide goods or services to another department, agency, or instrumentality.

(b) None of the funds made available for any department, agency, or instrumentality of the United States Government may be transferred to accounts funded in title III of this Act, except pursuant to a transfer made by or transfer authority provided in this Act or any other appropriations Act for any fiscal year, transfer authority referenced in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act), or any authority whereby a department, agency, or instrumentality of the United States Government may provide goods or services to another department, agency, or instrumentality.

(c) The head of any relevant department or agency funded in this Act utilizing any transfer authority shall submit to the Committees on Appropriations of the House of Representatives and the Senate a semiannual report detailing the transfer authorities, except for any authority whereby a department, agency, or instrumentality of the United States Government may provide goods or services to another department, agency, or instrumentality, used in the previous 6 months and in the year-to-date. This report shall include the amounts transferred and the purposes for which they were transferred, and shall not replace or modify existing notification requirements for each authority.]

SEC. [505]504. None of the funds made available by this Act may be used in contravention of Executive Order No. 12898 of February 11, 1994 (“Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations”).

