

# **Department of Energy**

## **FY 2012 Congressional Budget Request**



**Other Defense Activities**  
**Departmental Administration**  
**Inspector General**  
**Advanced Technology Vehicles Manufacturing**  
**Loan Program**

**Title 17 Innovative Technology Loan Guarantee Program**  
**Better Building Pilot Loan Guarantee Initiative for**  
**Universities, Schools, and Hospitals**  
**Working Capital Fund**  
**Energy Information Administration**  
**Safeguards and Security Crosscut**  
**Pensions**



**Other Defense Activities**

**Departmental Administration**

**Inspector General**

**Advanced Technology Vehicles  
Manufacturing Loan Program**

**Title 17 Innovative Technology Loan  
Guarantee Program**

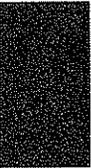
**Better Buildings Pilot Loan  
Guarantee Initiative for Universities,  
Schools, and Hospitals**

**Working Capital Fund**

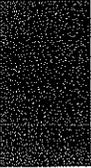
**Energy Information Administration**

**Safeguards and Security Crosscut**

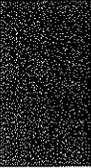
**Pensions**



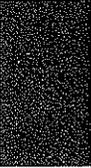
**Other Defense Activities**



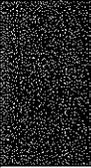
**Departmental Administration**



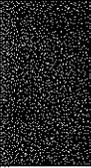
**Inspector General**



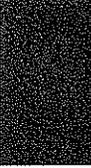
**Advanced Technology Vehicles  
Manufacturing Loan Program**



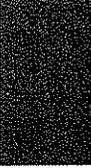
**Title 17 Innovative Technology Loan  
Guarantee Program**



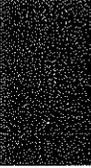
**Better Buildings Pilot Loan  
Guarantee Initiative for Universities,  
Schools, and Hospitals**



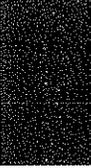
**Working Capital Fund**



**Energy Information Administration**



**Safeguards and Security Crosscut**



**Pensions**

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



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

	FY 2010 Current Approp.	FY 2011 Cong. Request	FY 2011 Annualized CR	FY 2012 Congressional Request	FY 2012 vs. FY 2010	
					\$	%
<b>Discretionary Summary By Appropriation</b>						
Energy And Water Development, And Related Agencies						
Appropriation Summary:						
Energy Programs						
Energy efficiency and renewable energy.....	2,216,392	2,355,473	2,242,500	3,200,053	+983,661	+44.4%
Electricity delivery and energy reliability.....	168,484	185,930	171,982	237,717	+69,233	+41.1%
Nuclear energy.....	774,578	824,052	786,637	754,028	-20,546	-2.7%
Fossil energy programs						
Fossil energy research and development.....	659,770	586,583	672,383	452,975	-206,795	-31.3%
Naval petroleum and oil shale reserves.....	23,627	23,614	23,627	14,909	-8,718	-36.9%
Strategic petroleum reserve.....	243,823	138,861	243,823	121,704	-122,119	-50.1%
Northeast home heating oil reserve.....	11,300	11,300	11,300	10,119	-1,181	-10.5%
Northeast home heating oil reserve oil sale.....	0	0	0	-79,000	-79,000	N/A
<b>Total, Fossil energy programs.....</b>	<b>938,520</b>	<b>760,358</b>	<b>951,133</b>	<b>520,707</b>	<b>-417,813</b>	<b>-44.5%</b>
Uranium enrichment D&D fund.....	573,850	730,498	573,850	504,169	-69,681	-12.1%
Energy information administration.....	110,595	128,833	110,595	123,957	+13,362	+12.1%
Non-Defense environmental cleanup.....	254,673	225,163	244,673	219,121	-35,552	-14.0%
Science.....	4,963,887	5,121,437	4,903,710	5,416,114	+452,227	+9.1%
Energy transformation acceleration fund.....	0	299,966	0	550,011	+550,011	N/A
Nuclear waste disposal.....	98,400	----	98,400	0	-98,400	-100.0%
Departmental administration.....	168,944	169,132	168,944	128,740	-40,204	-23.8%
Inspector general.....	51,927	42,850	51,927	41,774	-10,153	-19.6%
Title 17 - Innovative technology						
loan guarantee program.....	0	500,000	-15,000	200,000	+200,000	N/A
Section 1705 temporary loan guarantee program.....	0	----	0	0	-----	-----
Advanced technology vehicles manufacturing loan.....	20,000	9,998	20,000	6,000	-14,000	-70.0%
Better building pilot loan guarantee initiative for Universities, Schools, and Hospitals.....	0	0	0	105,000	+105,000	N/A
<b>Total, Energy Programs.....</b>	<b>10,340,250</b>	<b>11,353,690</b>	<b>10,309,351</b>	<b>12,007,391</b>	<b>+1,667,145</b>	<b>+16.1%</b>
Atomic Energy Defense Activities						
National nuclear security administration:						
Weapons activities * .....	6,386,371	7,008,835	7,008,835	7,629,716	+620,881	+8.9%
Defense nuclear nonproliferation * .....	2,131,382	2,687,167	2,136,709	2,549,492	-137,675	-5.1%
Naval reactors * .....	945,133	1,070,486	945,133	1,153,662	+83,176	+7.8%
Office of the administrator * .....	410,754	448,267	410,754	450,060	+1,793	+0.4%
<b>Total, National nuclear security administration.....</b>	<b>9,873,640</b>	<b>11,214,755</b>	<b>10,501,431</b>	<b>11,782,930</b>	<b>+568,175</b>	<b>+5.1%</b>
Environmental and other defense activities:						
Defense environmental cleanup.....	5,640,371	5,588,039	5,642,331	5,406,781	-233,590	-4.1%
Other defense activities.....	847,468	878,209	847,468	859,952	+12,484	+1.5%
Defense nuclear waste disposal.....	98,400	0	98,400	0	-98,400	-100.0%
<b>Total, Environmental &amp; other defense activities.....</b>	<b>6,586,239</b>	<b>6,466,248</b>	<b>6,588,199</b>	<b>6,266,733</b>	<b>-319,506</b>	<b>-4.9%</b>
<b>Total, Atomic Energy Defense Activities.....</b>	<b>16,459,879</b>	<b>17,681,003</b>	<b>17,089,630</b>	<b>18,049,663</b>	<b>+248,669</b>	<b>+1.5%</b>
Power marketing administrations:						
Southeastern power administration.....	0	0	0	0	-----	-----
Southwestern power administration.....	13,076	12,699	13,076	11,892	-1,184	-9.1%
Western area power administration.....	109,181	105,558	109,181	95,968	-13,213	-12.1%
Falcon & Amistad operating & maintenance fund.....	220	220	220	220	-----	-----
Colorado River Basins.....	-23,000	-23,000	-23,000	-23,000	-----	-----
<b>Total, Power marketing administrations.....</b>	<b>99,477</b>	<b>95,477</b>	<b>99,477</b>	<b>85,080</b>	<b>-14,397</b>	<b>-14.5%</b>
Federal energy regulatory commission.....	0	0	0	0	-----	-----
<b>Subtotal, Energy And Water Development and Related Agencies.....</b>	<b>26,899,606</b>	<b>29,130,170</b>	<b>27,498,458</b>	<b>30,142,134</b>	<b>+1,901,417</b>	<b>+6.7%</b>
Uranium enrichment D&D fund discretionary payments.....	-463,000	-696,700	-463,000	0	+463,000	+100.0%
Excess fees and recoveries, FERC.....	-10,933	-29,111	-28,886	-25,072	-14,139	-129.3%
<b>Subtotal, Discretionary Funding.....</b>	<b>26,425,673</b>	<b>28,404,359</b>	<b>27,006,572</b>	<b>30,117,062</b>	<b>+2,350,278</b>	<b>+8.5%</b>
Strategic petroleum reserve sale.....	0	0	0	-500,000	-500,000	N/A
Cancellation of prior year unobligated balances.....	0	0	0	-70,332	-70,332	N/A
<b>Total, Discretionary Funding ** .....</b>	<b>26,425,673</b>	<b>28,404,359</b>	<b>27,006,572</b>	<b>29,546,730</b>	<b>+3,121,057</b>	<b>+11.8%</b>

NOTE: \* FY12 is compared against the FY11 Request. This exception has been implemented for NNSA only.

\*\* The Total, Discretionary Funding, FY12 vs FY10 "\$" and "%" columns, reflects a comparison of FY12 Request vs. FY10 Current Approp for all programs including NNSA





# **Other Defense Activities**



# **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, and the purchase of not to exceed 10 passenger motor vehicles for replacement only, \$859,952,000, to remain available until expended: Provided, That of the funds made available under this heading, \$11,891,755 is for strengthening the Department's acquisition workforce capacity and capabilities: Provided further, That with respect to the previous proviso, such funds may be transferred by the Secretary to any other account in the Department to carry out the purposes provided herein: Provided further, That the transfer authority in the first proviso is in addition to any other transfer authority provided in this Act: Provided further, That, with respect to the first proviso, such funds shall be available for training, recruitment, retention, and hiring members of the acquisition workforce as defined by the Office of Federal Procurement Policy Act, as amended (41 U.S.C. 401 et seq.): Provided further, That, with respect to the first proviso, such funds shall be available for information technology in support of acquisition workforce effectiveness or for management solutions to improve acquisition management.*

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111–242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.



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

**Overview**

**Appropriation Summary by Program**

(dollars in thousands)

	FY 2010 Current Appropriation	FY 2012 Request
Other Defense Activities		
Health, Safety and Security	441,882	456,482
Subtotal, Other Defense Activities	441,882	456,482
Congressional Directed Projects	2,000	
Total, Other Defense Activities	443,882	456,482

**Preface**

The Office of Health, Safety and Security (HSS) demonstrates the unwavering commitment of the U.S. Department of Energy (DOE or Department) to maintain a safe and secure work environment for all Federal and contractor employees, ensure that the Department’s operations preserve the health and safety of the surrounding communities, and protect national security assets entrusted to the Department. HSS provides clear policy guidance, assistance in policy implementation, and a focused and integrated corporate-level analysis of Departmental operating experience that identifies existing and potential problem areas to provide line managers with a solid foundation for implementing effective Department-wide activities and solutions in the areas of health, safety, and security.

Within the Other Defense Activities Appropriation, HSS has one program, Health, Safety and Security (two subprograms: Health and Safety, and Security), in addition to Program Direction.

**Mission**

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

**Benefits**

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

assistance, and increase the effectiveness of communication and accountability for worker health, safety, and security.

HSS performs various functions in support of the Department's overall mission and Secretarial Objectives, including:

- Developing, promulgating, and maintaining clear and consistent health, safety, and security strategies and policies;
- Providing assistance to Departmental elements in the implementation of health, safety, and security requirements;
- Providing technical assistance to program offices and field elements on complex health, safety, and security problems and interfaces;
- Managing and maintaining corporate-level health, safety, and security data management systems;
- Providing analysis of Department-wide health, safety, and security performance;
- Developing and providing standardized, comprehensive security and safety training and professional development programs throughout the Department;
- Conducting independent oversight performance activities that identify gaps and vulnerabilities in safety and security programs and performance to provide confidence that DOE operations are being conducted in a safe, secure, and environmentally sound manner under DOE's self-regulating authority;
- Implementing worker safety and health, nuclear safety, and classified information security enforcement programs;
- Providing effective cross-organizational leadership in resolving Defense Nuclear Facilities Safety Board-related technical and management issues necessary to ensure public health and safety;
- Promoting corporate quality assurance programs;
- Managing the Department's accident investigation program;
- Implementing medical surveillance and screening programs for current employees and medical screening programs for former workers;
- Supporting the Department of Labor in the implementation of the Energy Employees Occupational Illness Compensation Program Act;
- Providing for the conduct of domestic and international health studies to determine worker and public health effects associated with Department operations, U.S. nuclear testing activities of the 1940s and 1950s, and other nuclear-related events;
- Providing security support services to the Department associated with the development and dissemination of security awareness information; management of the foreign ownership, control, or influence and foreign visits and assignments programs; and conduct of vulnerability assessments in support of the implementation of the Graded Security Protection policy;
- Developing and implementing Department-wide radiological materials tracking programs;
- Implementing physical and personnel security programs for DOE facilities in the National Capital Area, including the Headquarters protective force, access control and authorizations, information

security, and executive protective services; and

- Managing the U.S. government-wide program to classify and declassify nuclear weapons-related technology and other national security information.

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

**Funding by Site by Program**

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Argonne National Laboratory	1,546	1,426
Brookhaven National Laboratory	454	454
Carlsbad Project Office	100	100
Chicago Operations Office	345	345
Consolidated Business Center	900	0
East Tennessee Technology Park	18	25
Hanford Site	160	160
Idaho National Laboratory	2,035	755
Idaho Operations Office	565	565
Kansas City Plant	3	35
Lawrence Berkeley National Laboratory	126	0
Lawrence Livermore National Laboratory	3,010	3,010
Los Alamos National Laboratory	145	145
Nevada Site Office	3,185	155
NNSA Service Center	1,155	1,155
Oak Ridge Inst. for Science & Education	2,429	2,035
Oak Ridge National Laboratory	1,853	720
Oak Ridge Operations Office	3,197	3,204
Office of Scientific and Technical Information	353	385
Ohio Field Office	28	28
Pacific Northwest National Laboratory	2,612	2,537
Paducah Site Office	230	230
Pantex Plant	603	5
Pantex Site Office	25	25
Richland Operations Office	1,270	1,270
Sandia National Laboratories	3,955	1,220
Savannah River Operations Office	1,223	650
Savannah River Site	1,589	35
Washington Headquarters	409,953	435,763
Y-12 National Security Complex	815	45
Total, Other Defense Activities	443,882	456,482

**Major Changes or Shifts by Site**

The discontinuation of the Security Technology Development and Deployment activity results in reduced funding to the Idaho, Oak Ridge, and Sandia National Laboratories, the Nevada Site and Savannah River Operations Offices, the Office of Scientific and Technical Information, the Pantex

Plant, Washington Headquarters, and the Y-12 National Security Complex.

Funding to the Consolidated Business Center is shifted to Washington Headquarters for the management of the contract with Washington State University to maintain the U.S. transuranium and uranium registries.

Reductions in Savannah Operations Office and Savannah River Site funding were a result of transferring operational support for the Nuclear Materials Management and Safeguards System and Local Area Network Material Accountability System software to the National Nuclear Security Administration.

The overall increase in FY 2012 funding for Washington Headquarters is a result of increases in specialized security activities, a shift of funding for the U.S. transuranium and uranium registries from the Consolidated Business Center to DOE Headquarters, increases in nuclear safety and cyber security independent oversight activities, and a functional transfer of responsibility from the working capital fund allocation for federal salaries and benefits; offset by implementation of efficiencies and reduced reliance on support contractors, a reduction of 22 Federal full-time equivalent positions, the transfer of the Nuclear Materials Management and Safeguards System and Local Area Network Material Accountability System to the National Nuclear Security Administration; and the discontinuation of Security Technology Development and Deployment activities.

### **Site Descriptions**

#### **Argonne National Laboratory (ANL)**

Health, Safety and Security: ANL provides specialized technical expertise on environmental and public protection issues including analysis of emerging environmental rulemaking and identification of opportunities for improvement in environmental and radiation protection performance. ANL also supports environmental activities through the development of guidance materials and implementation tools; assists in the development of pollution abatement and environmental sustainability performance summaries; and maintains modeling capabilities and develops and maintains codes to support dose and risk assessments for analyzing potential impacts of radiological releases to the environment. ANL participates in the illness and injury surveillance program by collecting and transmitting worker health and demographic data. ANL supports tasks associated with the foreign ownership, control, or influence program by providing a computer-based system that facilitates a thorough investigation of foreign ownership, control, or influence on contracts and subcontracts involving access to classified information and special nuclear material.

#### **Brookhaven National Laboratory (BNL)**

Health, Safety and Security: BNL provides specialized subject matter technical expertise in conducting reviews of safety analysis and risk assessment documents, such as safety analysis reports and bases for interim operations. BNL provides specialized technical input in the development of rules, orders, safety guides and standards, and such documents as safety analysis reports, technical safety requirements, waste disposal standards, fire protection standards, and lightning and wind protection standards. In addition, BNL participates in the illness and injury surveillance program by collecting and transmitting worker health, exposure, and demographic data.

## **Carlsbad Project Office**

Health, Safety and Security: The Carlsbad Project Office researches and provides worker employment, medical, and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act.

## **Chicago Operations Office (CH)**

Health, Safety and Security: CH researches and provides worker employment, medical, and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act.

## **East Tennessee Technology Park (ETTP)**

Health, Safety and Security: ETTP participates in the illness and injury surveillance program by collecting and transmitting worker health, exposure, and demographic data. This site provides access to site records and information for use in occupational and public health-related studies performed by the Department of Health and Human Services under an interagency agreement with DOE. ETTP also provides specialized technical support to the classification, declassification and controlled information program.

## **Hanford Site**

Health, Safety and Security: Hanford participates in the illness and injury surveillance program through the collection and transmission of worker health and demographic data.

## **Idaho National Laboratory (INL)**

Health, Safety and Security: INL supports the DOE laboratory accreditation program that ensures reliable and effective radiation dosimetry monitoring and participates in the illness and injury surveillance program by collecting and transmitting worker health, exposure, and demographic data. INL provides onsite participation and field assistance to other sites for their vulnerability assessment development and review process, and provides specialized security engineering support.

## **Idaho Operations Office (ID)**

Health, Safety and Security: ID researches and provides worker employment, medical, and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act.

## **Kansas City Plant (KCP)**

Health, Safety and Security: KCP participates in the illness and injury surveillance program by collecting and transmitting worker health, exposure, and demographic data. KCP provides technical support to develop classification guidance. KCP also provides support for technical evaluation panel meetings and classification guide working groups.

**Other Defense Activities/  
Health, Safety and Security/  
Funding By Site**

## **Lawrence Livermore National Laboratory (LLNL)**

Health, Safety and Security: LLNL provides specialized expertise in seismic analysis, structural response, natural phenomena hazards standards, and energy security safety analysis. LLNL supports the congressionally mandated Marshall Islands Program by providing environmental sampling and analysis to determine radiological conditions. LLNL also participates in the illness and injury surveillance program by collecting and transmitting worker health and demographic data. LLNL provides support to classification, declassification, and controlled information activities by providing specialized technical expertise in the development of classification guidance. In addition, LLNL provides analysis and reports on the detailed content and proliferation potential of certain nuclear weapon-related information available in the public domain.

## **Los Alamos National Laboratory (LANL)**

Health, Safety and Security: LANL provides specialized technical expertise in nuclear materials packaging and testing of packaging designs and participates in the illness and injury surveillance program by collecting and transmitting worker health and demographic data. LANL also provides specialized technical expertise and support to the classification, declassification and controlled information program in the development of classification guidance.

## **Nevada Site Office (NSO)**

Health, Safety and Security: NSO provides technical support to the illness and injury surveillance program by collecting and transmitting worker health, exposure, and demographic data. NSO supports the congressionally mandated Marshall Islands program by maintaining high frequency radio capabilities used by DOE personnel for communications between the island work sites. NSO also provides specialized technical support to the classification, declassification and controlled information program.

## **National Nuclear Security Administration (NNSA) Service Center**

Health, Safety and Security: The NNSA Service Center researches and provides worker employment, medical, and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act.

## **Oak Ridge Institute for Science and Education (ORISE)**

Health, Safety and Security: ORISE supports various health and safety program activities related to worker safety, environmental compliance, radiological exposure records maintenance, radiological exposure response, the Comprehensive Epidemiologic Data Resource electronic database, former worker medical screening, illness and injury surveillance, beryllium exposure research, public health studies, and Russian radiation exposure studies. ORISE also provides support to the security awareness special interest group that disseminates security awareness information, media, and tools.

## **Oak Ridge National Laboratory (ORNL)**

Health, Safety and Security: ORNL provides specialized technical expertise in the maintenance of environment, safety, and health policies, requirements, and guides; and provides specialized technical expertise to support the operation of the DOE technical standards program. ORNL is the primary Federal laboratory with capabilities for modeling radiation dosimetry used in worker and public dose and risk assessments; participates in the illness and injury surveillance program by collecting and transmitting worker health, exposure, and demographic data; and supports beryllium research and Russian radiation exposure activities. ORNL provides technical support to develop classification guidance. ORNL also provides support for technical evaluation panel meetings and classification guide working groups.

## **Oak Ridge Operations Office (OR)**

Health, Safety and Security: OR supports nuclear and facility safety programs; environment, safety and health training; and the implementation of the analytical services activity by conducting audits of commercial analytical laboratories and commercial waste treatment, storage, and disposal facilities to ensure environmental analytical data is of high quality, reliable, and defensible. OR researches and provides worker employment, medical, and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act. OR also provides specialized technical support to the classification, declassification and controlled information program.

## **Office of Scientific and Technical Information (OSTI)**

Health, Safety and Security: OSTI conducts research and provides worker employment, medical, and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act. OSTI also supports the classification, declassification and controlled information program by improving the accessibility of DOE's OpenNet database and maintaining a thesaurus and dictionary for the automated classification guidance system.

## **Ohio Field Office**

Health, Safety and Security: The Ohio Field Office researches and provides worker employment, medical, and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act.

## **Pacific Northwest National Laboratory (PNNL)**

Health, Safety and Security: PNNL provides technical support in maintaining health, safety, and security policies, procedures, and guides. PNNL supports environmental activities by maintaining the software that DOE sites use to plan and execute statistically sound environmental sampling methodologies. PNNL also supports health activities pertaining to cumulative dosimetry exposure data, accreditation of radiation dosimetry monitoring programs, historical offsite releases of contaminants from DOE facilities, and Russian radioactive exposure studies. Trending and analysis support is provided to the DOE classified information security enforcement program. PNNL supports safeguard and security risk management and vulnerability assessment activities and provides specialized technical

**Other Defense Activities/**

**Health, Safety and Security/**

**Funding By Site**

support to the classification, declassification and controlled information program for the development of classification guidance.

### **Paducah Site Office**

Health, Safety and Security: The Paducah Site Office conducts research and provides worker employment, medical, and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act.

### **Pantex Plant (Pantex)**

Health, Safety and Security: Pantex provides technical support to develop classification guidance. Pantex also provides support for technical evaluation panel meetings and classification guide working groups.

### **Pantex Site Office**

Health, Safety and Security: The Pantex Site Office provides technical support to the illness and injury surveillance program by collecting and transmitting worker health, exposure, and demographic data.

### **Richland Operations Office (RL)**

Health, Safety and Security: RL provides worker employment, medical, and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act.

### **Sandia National Laboratories (SNL)**

Health, Safety and Security: SNL provides technical support to the illness and injury surveillance program by collecting and transmitting worker health, exposure, and demographic data; provides technical assistance for site vulnerability analyses and site safeguards and security plans; and provides technical expertise to the classification, declassification and controlled information program in the development of classification guidance.

### **Savannah River Operations Office (SR)**

Health, Safety and Security: SR researches and provides worker employment, medical, and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act.

### **Savannah River Site (SRS)**

Health, Safety and Security: SRS supports HSS through participation in the illness and injury surveillance program. SRS also provides specialized technical support to the classification, declassification and controlled information program.

## **Washington Headquarters**

Health, Safety, and Security: Headquarters provides technical support for the implementation of the HSS mission of providing the Department health, safety, and security policy, technical assistance, analysis, corporate programs, safety and security training, and enforcement, including the maintenance of corporate-level health, safety, and security database systems. Headquarters also provides for security operations in the National Capital Area and for background investigations conducted by the Federal Bureau of Investigation and the Office of Personnel Management for DOE Headquarters Federal and contractor employees, as appropriate.

Headquarters provides overall administration of research needed to provide worker employment, medical, and exposure records in support of the Department of Labor's implementation of the Energy Employees Occupational Illness Compensation Program Act. This technical support ensures the conduct of domestic and international health studies to determine worker and public health effects associated with Department operations, U.S. nuclear testing activities of the 1940s and 1950s, and other nuclear-related events as prescribed in current U.S. law and international treaties and agreements. Headquarters also provides for the administration of the U.S. government-wide program to identify and protect nuclear weapons information.

Program Direction: Headquarters provides for HSS Federal employee salaries and benefits, travel, and other related expenses needed to lead, manage, and implement the overall HSS mission, including executive protection operations. Technical support provides for Headquarters security operations; Departmental security incident analysis; personnel, physical, and information security and security policy management; and independent oversight programs. Technical support also provides for effective cross-organizational leadership in resolving Defense Nuclear Facilities Safety Board-related technical and management issues necessary to ensure public health and safety.

## **Y-12 National Security Complex (Y-12)**

Health, Safety and Security: Y-12 participates in the illness and injury surveillance program by collecting and transmitting worker health, exposure, and demographic data. Additionally, Y-12 provides technical expertise and support to the classification, declassification, and controlled information program in the development of classification guidance, and the development of automated guidance streamlining technologies and techniques for managing classification policy and guidance.

## Health, Safety and Security

### Funding Profile by Subprogram

(dollars in thousands)

	FY 2010 Current Appropriation	FY 2012 Request
Health, Safety and Security		
Health and Safety	76,121	72,058
Security	261,636	277,387
Total, Health, Safety and Security	337,757	349,445

**Public Law Authorizations:**

- Public Law 83-703, "Atomic Energy Act of 1954," as amended
- Public Law 93-438, "Energy Reorganization Act of 1974"
- Public Law 95-91, "Department of Energy Organization Act"
- Public Law 95-134, "An Act to authorize certain appropriations for the territories of the United States, to amend certain acts relating thereto, and for other purposes"
- Public Law 95-242, "Nuclear Non-Proliferation Act of 1978"
- Public Law 96-205, "Trust Territory of the Pacific Islands"
- Public Law 99-239, "Compact of Free Association Act of 1985"
- Public Law 100-408, "Price-Anderson Amendments Act of 1988"
- Public Law 102-484, "National Defense Authorization Act for Fiscal Year 1993" (Subtitle E, Worker Medical Screening)
- Public Law 106-398, "National Defense Authorization Act for Fiscal Year 2001" (Title 36: Energy Employees Occupational Illness Compensation Program)
- Public Law 107-310, "Dam Safety and Security Act of 2002"
- Public Law 108-188, "Compact of Free Association Amendments Act of 2003"
- Public Law 108-375, "The Ronald W. Reagan National Defense Authorization Act for FY 2005" (Subtitle E, Energy Employees Occupational Illness Compensation Program amendments)
- Public Law 111-8, "Omnibus Appropriations Act, 2009"
- Public Law 111-85, "Energy and Water Development and Related Agencies Appropriations Act, 2010"

**Mission**

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

**Benefits**

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

### **Annual Performance Results and Targets**

The Department is in the process of updating its strategic plan, and has been actively engaging stakeholders including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY 2012 budget are consistent and aligned. Updated measures will be released at a later date and available at the following link <http://www.mbe.doe.gov/budget/12budget/index.htm>.

## Health and Safety

### Funding Schedule by Activity

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Health and Safety		
Worker Safety	14,930	13,701
Environment	3,241	2,934
Health Programs	55,952	53,625
Enforcement	1,998	1,798
Total, Subprogram Health and Safety	76,121	72,058

### Benefits

The Health and Safety subprogram provides technical and analytical expertise to protect and enhance the safety of DOE workers, the public, and the environment while supporting overall Departmental missions and goals. Policies and guidance are maintained for the promotion of safe, environmentally sustaining work practices throughout the Department to ensure best-in-class performance in the areas of occupational, facility, nuclear, and radiation safety; cultural and natural resources; environment; and quality assurance. Health and Safety provides assistance to DOE program and site 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; maintaining radiological standards used to calibrate radiation monitors; administration of the accident investigation program; supporting the radiation emergency accident center; and operating the Filter Test Facility. Corporate databases, such as those pertaining to accidents and illnesses, radiation monitoring, and corrective action tracking, are maintained and used to provide analysis of health and safety performance to senior management. Support is provided for safety programs such as the DOE voluntary protection program, which encourages and rewards safety performance that exceeds industry averages through universally recognized certifications and environmental programs such as the implementation of environmental management systems to support sustainable practices that improve environmental performance through pollution prevention and greenhouse gas reduction programs. 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, health studies to investigate and identify work-related injury and illness in the DOE worker population, and international radiation health effects in Japan and Russia. These projects and programs provide for the discovery and documentation of health effects 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. This subprogram also provides support for the implementation of the Congressionally mandated worker safety and health, nuclear safety, and classified information security enforcement programs to ensure contractors' adherence to applicable regulations and promote proactive improvement of safety and security performance.

## Detailed Justification

(dollars in thousands)

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### Worker Safety

14,930

13,701

Worker safety and health policies provide for the promotion of safe work practices throughout the Department to ensure best-in-class safety performance exceeding that achieved by other organizations with industrial operations similar to those performed by DOE in support of achieving all Secretarial objectives. Funding supports increased assurance that mission-related work is conducted with a full understanding of the potential worker health- and safety-related risks, controls necessary to mitigate those risks, and avoidance of future liabilities associated with worker compensation programs. Funding provides for research, efforts to update and maintain existing standards, and the development of new safety and health requirements based on new or evolving working conditions, when warranted. Participation will continue in the development of national voluntary consensus standards related to worker health and safety to ensure that such standards provide acceptable levels of protection to DOE workers and to promote consistency in worker health and safety throughout the United States. HSS will conduct these activities within the Department's philosophy of policy reform to ensure that DOE requirements reflect updated international and national codes and standards, the current state of science and technology, changing DOE missions and work environments, and emerging health and safety issues associated with aging facilities.

Funding provides for support to assist in the program and site implementation of worker health and safety policy, established in 10 C.F.R. 851, *Worker Safety and Health Program*, and related directives. In FY 2012, the implementation of these policies will be reviewed to determine the effectiveness of programs and the need for amendments. Continuing support also includes providing responses to technical or regulatory questions, evaluating requests for variances or exemptions from worker health and safety requirements, clarifying requirements, developing and maintaining DOE-sanctioned worker safety and health training materials, and conducting site visits to assist in reviewing and addressing implementation issues.

Technical support provides for the implementation of the DOE voluntary protection program, which encourages and rewards safety performance that exceeds industry averages. This program has demonstrated an annual cost saving/avoidance average of \$250,000 per participating contractor, based on accident and injury compensation cost comparisons between participating and non-participating contractors. Thirty-three participating contractors are collectively saving the Department an estimated \$8,250,000 per year by implementing the program. The DOE voluntary protection program is complementary to the Department's integrated safety management system, which ensures the maintenance or continued improvement of health and safety programs, resulting in overall operational cost savings. Funding provides for technical support for recertification of contractor status, evaluation of new applications, conduct of onsite evaluations, development of evaluation reports and related communication items, and provision of additional technical expertise where needed.

Technical support is provided 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

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materials and nuclear explosive devices meet high standards for trustworthiness, dependability, and physical and mental reliability. Funding provides for the conduct of basic research on new psychological testing tools and techniques and continuous analysis of the qualifications of clinicians who assess the physical and mental reliability of individuals in the program. Funding also provides for communications activities to ensure uniformity in addressing medical issues that may affect the continued reliability of program participants.

The DOE contractor employee assistance program provides for the collection and analysis of causes of lost time and disabilities and the medical and psychological interventions available to reduce those losses. Funding also provides for dissemination of data to employee assistance program managers to support decisions on development of policies and guidelines.

The electronic Radiation Exposure Monitoring System 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 monitoring of individual occupational radiation exposure records for DOE employees, contractors, and subcontractors, as well as members of the public. DOE operating units report the monitoring data to the Radiation Exposure Monitoring System repository according to procedures and requirements in DOE Order 231.1A, *Environment, Safety and Health Reporting*, and the associated manual. The database contains approximately 10 million annual individual occupational radiation exposure records for individuals who worked for DOE and its predecessor organizations, covering the period from 1945 to the present. DOE also shares this information with the Nuclear Regulatory Commission, because many employees move between the two agencies. Funding provides for data collection, database operation and maintenance, and appropriate dissemination of information. HSS uses this data to produce the annual DOE occupational radiation exposure report.

This activity supports an effective and reliable worker radiation dosimetry program as required by 10 C.F.R. 835, *Occupational Radiation Protection*, through implementation of the DOE laboratory accreditation program for radiobioassay. This program assures that internal dose monitoring programs are adequate to demonstrate compliance with established radiation exposure limits. Funding provides for the manufacturing, maintenance, and administration of a library of models that resemble human body parts that contain radioactive materials for use in calibrating radiobioassay equipment. The library of models provides a unique calibration source for facilities that process uranium and other transuranic materials. Additional radioactive materials are incorporated in the models as needed. HSS provides the models to DOE sites, Nuclear Regulatory Commission facilities, and state emergency response programs.

Nuclear safety activities ensure the continued implementation of enhancements initiated in FY 2009 and FY 2010 to improve operational awareness and oversight of DOE nuclear facilities and foster continuous improvement in nuclear facility operations, as recommended by an October 2008 U.S. Government Accountability Office report. Funding supports scientific research relevant to the development and maintenance of nuclear and facility safety policies, requirements, guidance, and

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standards that establish DOE's nuclear safety regulatory framework under the Atomic Energy Act and related laws; assistance to DOE entities in the implementation of nuclear and facility safety requirements; and programmatic oversight to determine implementation status and identify areas for improvement. HSS conducts these activities within the Department's philosophy of policy reform to ensure that DOE requirements reflect updated international and national codes and standards, the current state of science and technology, changing DOE missions and work environments, and emerging safety issues associated with aging facilities. Efforts include the completion of updates and revisions to DOE directives and standards deemed necessary in response to Defense Nuclear Facilities Safety Board Recommendation 2009-1, *Quantitative Risk Assessment Methodologies*.

Funding provides for training and assistance to DOE sites and laboratories and senior DOE and line management to ensure a clear understanding of requirements and expectations in nuclear safety directives that have been revised under the directives reform initiatives in such areas as conduct of operations, maintenance, staff qualifications and training, safety in design, and risk-informed decision concepts. Support and assistance will be provided through onsite visits, in-person and virtual workshops, and other communications mechanisms. In addition, funding provides support for the conduct of readiness reviews for hazard category 1, 2, and 3 nuclear facilities prior to authorizing the startup or restart of these facilities. Support also provides for the maintenance of DOE technical standards that promote the use of voluntary consensus standards at DOE managed facilities. Operational oversight of nuclear safety programs will continue to be provided via the facility representative program. The facility representative program, managed and facilitated by HSS, consists of approximately 200 site office resident nuclear safety subject matter experts funded by and reporting to DOE line management, who provide operational oversight and onsite assistance at DOE nuclear facilities. The facility representatives also provide feedback to DOE site offices and HSS policy, assistance, oversight, training and enforcement offices.

To foster management excellence and reliability in nuclear safety and security, HSS assists in funding an information exchange 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. Interaction with the Institute enables DOE to incorporate applicable best practices as part of the Department's commitment to continuous improvement of nuclear operations. Funding provides HSS direct access to otherwise unavailable current commercial nuclear industry standards, best practices, and benchmarking opportunities. Through an agreement established in 1989, the Institute of Nuclear Power Operations provides DOE with comprehensive and timely insights on nuclear safety excellence from a single, unique, internationally recognized expert source. Membership provides the Department access to methodologies, standards, and databases of operating experience and information. Additionally, the Institute of Nuclear Power Operations provides direct technical assistance to DOE and its site contractors.

Title 10 C.F.R. Part 830, *Nuclear Safety Management*, requires that DOE maintain a public list (on the Internet) that provides the status of the safety basis for each hazard category 1, 2, or 3 DOE nuclear

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facility and, to the extent practicable, provides information on how to obtain a copy of the safety basis and related documents for a facility. Funding supports the development and maintenance of web-based systems easily accessible by the public and DOE organizations.

The worker safety activity provides technical support for the implementation of the 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*. Funding provides for guidance and technical assistance to DOE line managers to ensure accomplishment of Departmental objectives while maintaining the safety of its Federal employees. Funding also provides for the development and implementation of required annual Federal employee training programs and supports the development of an annual Federal employee occupational safety and health report for submission to the Secretary of Labor.

Safety performance trending and analysis funding supports in-depth analyses, performance indicator development, and data quality assessments designed to identify excellent performance and areas needing improvement in order to reduce or prevent adverse events and injuries and minimize mission interruptions. Corporate safety indicators, benchmarked against “best in class” corporations, such as DuPont and Dow Chemical, provide senior management and the entire DOE complex with safety performance status and trends and effective tools to focus senior management dialogue and attention on priority safety, health, and environmental issues. Funding provides for safety database improvements and maintenance, as well as guidance and assistance to field elements in order to improve the timeliness and completeness of accident/injury reporting data contained in the Computerized Accident/Incident Reporting System. Funding also supports in-depth data analyses of Occurrence Reporting and Processing System information correlated with nuclear safety and environmental activities, and other qualitative information provided by organizational representatives throughout DOE. When HSS identifies either excellent or poor safety performance, lessons learned are shared throughout the rest of the Department. To ensure that corrective actions are developed and implemented, HSS provides technical assistance when poor safety performance is identified.

The DOE operating experience program leverages all DOE Federal and contractor experience and lessons learned across the Department to provide site managers and workers with actionable information that can help avoid costly mission interruptions and accidents. The program is managed through an operating experience council consisting of DOE Federal and contractor managers and “best in class” industry representatives from organizations with operations similar to DOE. Funding provides for the development and implementation of improved methods for utilizing safety-related data and communication systems (e.g., data mining and display capabilities); utilizing state-of-the-art commercial experience to identify and use leading performance measures to leverage safety performance; and providing for analysis of safety performance tailored to nuclear, industrial, and worker safety. Funding also supports the suspect, defective, and counterfeit item program, which works closely with other government departments and industries to identify faulty parts and prevent their use in nuclear and other

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facilities.

Funding provides resources to assist the DOE complex in integrating innovative, high-reliability-organization and human-performance improvement concepts into their operations. High reliability organizational theory focuses on how complex organizations achieve consistent, highly reliable performance to increase productivity and prevent accidents or other mission-critical consequences. Human performance improvement is a subset of high reliability theory that uses human performance science to align organizational, technical, and cultural factors with human capabilities to promote excellent performance and preclude events initiated by human error. Funding provides professional development through DOE-wide workshops; implementation facilitation at the site level; and a knowledge-sharing alliance with the Energy Facility Contractors Group, other U.S. government agencies, private industry (such as the Institute of Nuclear Power Operations), and the academic community. Funding also provides assistance to DOE offices and contractors in developing internal expertise in high reliability and human performance, as well as assistance in integrating high reliability and human performance principles, concepts, and tools into their policies, management systems, processes, and organizational cultures.

The worker safety activity also funds environment, safety, and health training, often developed in partnership with worker unions, to identify and implement standardized approaches and provide for the development and delivery of technical training to develop and maintain DOE and contractor environment, safety, and health competencies. Funding also supports training module development, delivery, and maintenance for courses related to corporate information gathering operations.

Quality assurance activities, including safety software quality assurance, provide technical support to maintain quality assurance requirements and guidance, and corporate resources to ensure that products and services support Departmental objectives. Quality assurance activities provide a technical framework and support structure to apply and maintain established quality assurance requirements, standards, and guidance. Funding supports assistance to Departmental elements and contractors in implementing DOE quality assurance requirements and resolving quality assurance-related issues. Funding also provides support for evaluating the implementation of quality assurance requirements, recommending program adjustments and improvements, and supporting the DOE Quality Council to promote improvement of quality assurance performance. Safety software quality assurance activities provide for the maintenance of the DOE safety software central registry of approved computer codes, 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.

Funding also provides for the operation and monitoring of the Filter Test Facility, which tests 100 percent (approximately 2,600 annually) of all safety class and safety significant high efficiency particulate air filters prior to their use at DOE nuclear facilities. The purpose of the testing is to ensure the integrity of confinement ventilation systems intended to protect the environment, the workers, and the public and satisfies a commitment to the Defense Nuclear Facilities Safety Board to meet DOE Standard 3020-2005, *Specifications for High Efficiency Particulate Air Filters Used by DOE*

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*Contractors.* Increased monitoring of inspection, testing, and procurement of high efficiency particulate air filters is needed to preclude recurrence of high rejection rates experienced in the past. Funding provides for continued operation and monitoring of the Filter Test Facility, evaluation of filter manufacturers' quality assurance and quality control processes, as necessary, and support for the review and revision of DOE Technical Standard 3025-2007, *Quality Assurance Inspection and Testing of HEPA Filters*.

Funding supports the implementation of the DOE accident investigation program, which provides independent Federal investigations of accidents involving worker fatalities, acute exposures to radiation or chemicals, environmental releases, or a significant loss of capital assets. The purpose of the program is to prevent the recurrence of such accidents and to contribute to improved environmental protection and safety and health of DOE employees, contractors, and the public. HSS facilitates actual investigations. Funding also supports program development, administration, and investigator training.

The Dam Safety and Security Act of 2002 (Public Law 107-310) requires that DOE participate in the national dam safety program administered by the Federal Emergency Management Administration. This activity provides funding to the Federal Energy Regulatory Commission to conduct periodic safety inspections that ensure the structural integrity of 15 DOE-owned dams and other water impoundment structures, ensuring compliance with Federal dam safety guidelines and protecting the environment and public from potential harm from DOE's containment systems.

## **Environment**

**3,241**

**2,934**

Environmental activities support the Secretary's strategic sustainability performance objectives by fostering efficient use of resources and energy throughout DOE operations, assisting in the responsible management of natural and cultural resources on and around DOE facilities, and avoiding future liabilities in these areas. 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 and reporting across the DOE complex. The directives are designed to assist with improving compliance with environmental laws and regulations; enhance DOE's performance in preventing pollution; achieve the Administration's environmental sustainability performance goals; and advance implementation and continuous improvement of environmental management systems throughout the Department.

Technical support is provided to assist DOE site and program offices and laboratories in the evaluation and resolution of site regulatory compliance issues through the interpretation of regulatory requirements; development of cost-effective implementation strategies; and maintenance of web-based compliance tools. Support is also provided to coordinate and develop consolidated responses to proposed changes in environmental regulations that have the potential to impact Departmental operations. Data from environmental reports required by the U.S. and state environmental protection agencies are reviewed to validate adherence to the reporting requirement; evaluate the effectiveness of the Department's toxic chemical release reduction and pollution prevention efforts; produce annual reports on DOE

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environmental sustainability performance; and develop annual radionuclide emissions summaries submitted to the Environmental Protection Agency under an interagency agreement.

The analytical services activity provides for the conduct of quality assurance audits 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. This crosscutting activity ensures consistency of commercial environmental analytical and waste treatment, storage, and disposal services utilized by DOE while minimizing the number of DOE audits of these commercial service providers, resulting in an estimated annual savings to the Department of \$3,600,000. These audits ensure that environmental analytical laboratory data reported to DOE sites (through contractual agreements) is of high quality and technically and legally defensible, thus minimizing the potential for environmental regulatory actions that may interfere with DOE missions and result in fines and/or operational delays. Audits of commercial waste management operations help protect the Department against future liabilities by ensuring that facilities seeking to manage DOE-generated waste are operationally and financially sound. Funding provides for the conduct of up to 40 annual qualification audits of environmental laboratories and commercial waste operation vendor facilities and the maintenance of a library of the audit reports. Funding also provides for the development and maintenance of Visual Sample Planning software toolkits, designed to assist DOE operating elements in meeting data quality objectives related to environmental field sampling, and for user training conducted at DOE field element sites.

Technical assistance is provided throughout the Department for the implementation of sustainable practices that improve environmental performance by promoting recycling and reuse of materials; replacing toxic substances and materials with non-toxic substitutes; reducing waste volumes and toxicities; and implementing other environmental sustainability performance goals, including the lowering of greenhouse gas emissions. Funding provides for the maintenance and operation of the pollution prevention performance tracking and reporting system website and the administration of the DOE environmental sustainability awards program that formally recognizes DOE entities for outstanding pollution prevention and other sustainable environmental stewardship achievements. Assistance is also provided to DOE entities to enter the White House “Closing the Circle” environmental stewardship award competition. DOE has won one or more of these White House awards every year from 2004 to 2010.

Environmental activities provide technical support for the maintenance of DOE’s radiation protection regulatory framework to provide protection of the public and the environment consistent with national and international radiation protection standards and Departmental risk management strategies. Funding will be used to complete and publish guidance and technical standards in support of DOE Order 458.1, *Radiation Protection of the Public and the Environment*. Funding also provides for continued coordination with non-governmental standards organizations to benchmark U.S. radiation protection approaches against existing and proposed standards and for continued representation of the United States in national and international standards development processes.

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Radiation protection technical support provides assistance to DOE operating units by evaluating requests from DOE field and program offices for specific authorizations and exemptions related to public and environmental radiation protection and radioactive waste management activities, including the review of requests for authorized limits to control and release property that may contain small amounts of residual radioactive material. Technical support is provided for the evaluation of property release programs; workshops on property release procedures; assistance with compliance with DOE Order 435.1, *Radioactive Waste Management*, and Federal radiation protection requirements; and assistance in the disposition of tanks and other debris generated from decontamination and disposal projects. Funding also provides for the maintenance of radiation dose and risk assessment tools, such as residual radioactivity codes, to estimate doses associated with radioactive material in soils, buildings, and materials and ensure that computations made with these tools meet DOE and Federal radiation protection quality standards.

This activity supports interagency efforts to unify the Federal government's approach to radiation protection of the public and the environment by improving and integrating waste management techniques that support the disposition of radioactive waste from radiological events. Funding supports the operation of a National Center for Research on Radiation Dosimetry and Risk, established by a 2010 memorandum of understanding between DOE, Environmental Protection Agency, Nuclear Regulatory Commission, Department of Defense, and Occupational Safety and Health Administration, to assess the newest recommendations of the International Commission on Radiological Protection as they relate to radiation protection of the public and the environment and their applicability to U.S. radiation protection programs.

Technical support provides for continued efforts to enhance the Federal government's ability to respond to a radiological terrorist incident through the development, maintenance, and application of operational guidelines and other radiological criteria that support protective action decisions and Federal policy governing response to and recovery from incidents involving radiological dispersal devices and improvised nuclear devices. Funding provides for the acquisition of specialized radiological emergency response and recovery expertise and assistance tools that contribute to the establishment of guidelines and mechanisms for the decontamination and restoration of infrastructure and vital economic activities, a safe and orderly recovery from potentially widespread radiological contamination, and the protection of workers and the public during early, intermediate, and long-term recovery phases of emergency response activities.

**Health Programs**

**55,952**

**53,625**

Health activities consist of collecting DOE worker health data to be available for health science researchers, providing for health research to be performed in areas surrounding DOE operations, overseeing health research in Russia and Japan, and providing health services to the people of the Marshall Islands. Health programs also provide for the former worker medical screening program and support to the Department of Labor in its implementation of the Energy Employees Occupational Illness Compensation Program Act.

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

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■ **Domestic Health Programs**

32,405      30,560

• **Health Research**

5,250      4,405

Epidemiologic studies examine potential health effects of DOE operations on its employees, and include the illness and injury surveillance program, the electronic Comprehensive Epidemiologic Data Resource, and the U.S. transuranium and uranium registries. Epidemiologic studies provide site and contractor management with the most current occupational health analysis of health and safety effects on the workforce, including the effects that may result from breakthrough science and innovative research, and enable timely actions essential to worker protection and to inform needed policy changes.

The illness and injury surveillance program is the only source of information on the health of the current contractor workforce. The goals of the program are to protect and promote the health of DOE workers, identify those groups at increased health risk, and provide a focus for intervention strategies to reduce or eliminate risk. Funding supports technical assistance to DOE site coordinators regarding data collection, quality assurance, data transmission, and intermittent computer programming activities. In addition, funding provides for a data center that conducts quality assurance activities, data analysis, file and report preparation, assistance with special investigations initiated at site request or in response to Headquarters, and related technical support activities.

The Comprehensive Epidemiologic Data Resource is an electronic database that allows health researchers throughout the world to access data from health studies funded by DOE and other health-related activities regarding current and former DOE workers. Funding provides for the collection of data from throughout the Department; maintenance of the centralized database; management of the data to remove personal information and ensure accuracy, proper documentation, and organization of the information; and assistance to scientific investigators in gaining access to the data and responding to queries about the dataset.

The U.S. transuranium and uranium registries comprise a unique research activity that studies the biokinetic distribution and biological effects of plutonium and other transuranic elements in voluntarily donated post-mortem human tissues. The information is used to improve DOE's ability to estimate internal exposures attributable to the intake of long-lived radioactive materials and supports refinement of radiation protection policies. Funding provides for the collection, preparation, study, and storage of the tissues from partial and whole body donors for current and future research.

Health research activities support the Radiation Emergency Accident Center/Training Site, which provides medical expertise to DOE occupational medicine clinics, supplies chelating pharmaceuticals to treat radiation-exposed workers, and trains physicians to respond to radiological accidents anywhere in the United States. This site is a core component of the national response to nuclear weapons, provides an environment for scientific research on

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techniques for rapid measurement of radiation effects on humans, and supports the DOE complex in ensuring that medical teams have the best modern training to prepare for responding to radiological emergencies.

Title 10 C.F.R. Part 850, *Chronic Beryllium Disease Prevention Program*, requires DOE sites to inventory, assess, and reduce beryllium exposure hazards to employees who are at risk for beryllium-related illness. Sites that identify employees at risk due to ongoing or past work are required to implement chronic beryllium disease prevention programs that include reporting health and industrial hygiene exposure data to the DOE beryllium-associated worker registry. The registry collects, analyzes, summarizes, and disseminates health and exposure data for the purpose of improving chronic beryllium disease prevention programs. Data analysis identifies opportunities for research and investigations that further the science and understanding of beryllium health effects in order to prevent the disabilities and decreased life expectancy associated with beryllium disease. Funding supports the maintenance of the registry and data center that receives exposure data from participating sites. The center translates the data to standard formats, checks for accuracy and completeness, conducts analyses, and generates reports. Data stored in the registry is accessible by DOE contractor and program offices, beryllium program personnel, and health researchers throughout the world. This activity also supports the collection, temporary storage, and shipping of tissue and blood samples donated by current and former DOE workers exposed to beryllium to the beryllium tissue repository maintained by the National Institutes of Health. Access to this repository is then provided to health researchers throughout the world to develop new approaches to early detection of beryllium disease and knowledge of how the disease progresses.

Funding supports 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. These studies are performed around nuclear weapons production facilities, as well as DOE hazardous waste sites that are or proposed to be listed on the National Priorities List as required under the Comprehensive Environmental Response, Compensation, and Liability Act.

- **Former Worker Medical Screening** 18,655 <sup>a</sup> 18,655

Former worker medical screening activities provide for the conduct of medical screenings for former DOE and DOE-related vendor employees to identify adverse health conditions that may have resulted from work conducted at DOE facilities or on behalf of DOE, as mandated by Congress in the FY 1993 Defense Authorization Act (Public Law 102-484). Funding provides for preliminary site assessments to identify groups of former at-risk DOE Federal and

<sup>a</sup> See Congressionally Directed Project that adds \$1,000,000 for medical monitoring at Paducah, KY, Portsmouth, OH, and Oak Ridge, TN; and \$1,000,000 for Burlington Atomic Energy Commission Plant and Ames Laboratory former worker medical surveillance program activities.

(dollars in thousands)

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contractor/subcontractor workers and DOE site-specific exposures; and medical screening, including examinations, to check for adverse health effects that could be related to occupational exposures to radiation, noise, beryllium, asbestos, silica, lead, cadmium, chromium, and solvents. This activity is implemented by independent health experts through eight cooperative agreements held by a consortium of universities, labor unions, and commercial organizations throughout the United States with expertise in administration of medical programs. Initiated in 1996, medical screening services are offered to more than 600,000 former construction and production workers who were involved in the nuclear weapons program including employees at risk for chronic beryllium disease, who worked for weapons complex manufacturers that no longer exist. Funding provides for outreach efforts and the conduct of approximately 8,000 medical screenings annually. 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. Medical data derived from this program are also used to supplement the DOE Comprehensive Epidemiologic Data Resource.

The program's strengths center on the use of the best available, evidence-based approach to determine possible occupational causality of disease; the involvement of national occupational medicine leaders and use of independent organizations to administer the medical screenings; aggressive and multi-faceted outreach programs; uniformity of protocol and equity of access across DOE sites; and a respect for the confidentiality of former worker medical screening information. The design and implementation of the Department's medical screening programs contribute to the furtherance of medical screening science used by medical practitioners throughout the world. Twenty-one peer-reviewed scientific studies were published in 2003-2009 as a result of the data collected and the methods employed by this activity.

Funds also provide support for the DOE central institutional review board, which is jointly funded with the DOE Office of Science and the National Nuclear Security Administration, to review all medical screening programs funded by DOE and/or involving the DOE workforce for the purpose of ensuring that the risks to human participants are minimized and reasonable in relation to the anticipated benefits. The board also ensures that the Department protects the privacy, rights, and welfare of participants in accordance with applicable Federal, state, and DOE regulations; ethical principles and professional practice standards; and institutional policies.

- **Employee Compensation Program** 8,500 7,500

DOE Energy Employees Occupational Illness Compensation Program Act 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 unique chemical hazards. DOE's support consists primarily of providing information regarding employment status, exposures to radiation and toxic substances,

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and operational history of DOE facilities to the Department of Labor, the National Institute for Occupational Safety and Health, and the President's Advisory Board on Radiation and Worker Health in support of claims filed by current and former DOE Federal and contractor employees.

Funding provides for conducting searches of available records for covered facilities, declassifying relevant records, and providing copies of those records to the Department of Labor and the National Institute for Occupational Safety and Health. DOE expects to process approximately 17,000 individual records requests in FY 2012, based on information provided by the Department of Labor. Funding also provides 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. It is anticipated that DOE will receive up to eight requests to conduct large-scale projects in FY 2012.

Funding provides 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. Assistance will continue to be provided to DOE sites to implement secure, online file transfer systems for transmitting Energy Employees Occupational Illness Compensation Program Act data to the Department of Labor and the National Institute for Occupational Safety and Health. This effort is expected to improve information security and data accountability and will further reduce response time.

Efforts will continue to increase coordination and interface between former worker medical screening activities and Energy Employees Occupational Illness Compensation Program Act activities. Efforts include identifying mechanisms for outreach to former workers and enhancing the exchange of medical, site, and exposure information between 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.

This activity also provides for the storage of epidemiology and other health-related records from other Departmental health activities for use in evaluating health claims.

■ <b>International Health Programs</b>	23,547	23,065
• <b>Russian Health Studies</b>	3,247	2,765

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, signed in 1994 and renewed in 2000 and 2007. The agreement is implemented through the Joint Coordinating Committee for Radiation Effects Research, a bilateral government committee representing agencies from the United States and the Russian Federation. The goals of the program are to better understand the relationship between

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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.

To date, all research activities have focused on the first Russian nuclear weapons production facility – Mayak Production Association (Mayak) – located in Ozersk, Russia, and on the communities surrounding the complex and along the Techa River. DOE supports radiation exposure historical dose reconstruction studies, epidemiologic studies, molecular and radiobiological studies, and a tissue repository. An external scientific review group of eminent U.S. and Russian scientists evaluates and oversees all scientific work. Studying the Russian nuclear workers and people in the surrounding communities supports a more accurate determination of the risks associated with employment in the nuclear industry and assists in the validation of U.S. and worldwide radiation protection standards. These results are available to standards-setting organizations for evaluating radiation protection standards and advancing the science of radiobiology, as evidenced by over 200 peer-reviewed scientific publications. In FY 2012, researchers are scheduled to continue to develop models to refine individual dose estimates and uncertainties about those doses for the 26,000 members of the Mayak worker cohort and for the 30,000 members of the Techa River cohort who lived in the communities surrounding Mayak.

- **Japanese Health Studies** 14,000 14,000

The Japanese health studies activity supports the Radiation Effects Research Foundation, under a bi-national agreement between the United States and Japan, to conduct epidemiologic studies and medical surveillance of the survivors of the atomic bombings of Hiroshima and Nagasaki. The foundation engages in innovative science to develop new research methods and approaches for assessing radiation health effects and is the single most cited research foundation in the world for the effects of ionizing radiation on humans. The scientific community around the world uses the research results to refine radiation protection standards. Results from the life span study of the survivors continue to provide the scientific basis for the standards-setting organizations that establish national and international radiation protection policy. Revisions of epidemiologic data on cancer incidence in relation to radiation dose are based on the recently published reassessment of doses received by the Japanese survivors.

- **Marshall Islands Program** 6,300 6,300

The Marshall Islands program provides for medical surveillance and cancer care and treatment of 178 Marshallese and environmental monitoring in support of safe resettlement of four atolls. The work is performed as required by Public Laws 99-239 and 108-188, and the Compact of Free Association between the United States and Republic of the Marshall Islands and is a result of nuclear weapons testing conducted between 1946 and 1958. Funding provides for continued whole-body counting and plutonium urinalyses for this population to measure individual exposure to radionuclides; comprehensive annual screening examinations; and medical care for those who contract cancer. Whole-body counting technologies continue to be the centerpiece of

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DOE's environmental and radiological monitoring program. The cooperative agreement for the combined Marshall Islands special medical care and logistics program provides medical and logistics support under a single management plan for efficient and cost-effective management.

**Enforcement Programs**

**1,998**

**1,798**

DOE's worker safety and health, nuclear safety, and classified information security enforcement activities implement Congressionally mandated programs specified in 10 C.F.R. 851, *Worker Safety and Health Program*; 10 C.F.R. 820, *Procedural Rules for DOE Nuclear Activities*; 10 C.F.R. 830, *Nuclear Safety Management*; 10 C.F.R. 835, *Occupational Radiation Protection*; 10 C.F.R. 708, *DOE Contractor Employee Protection Program*; and 10 C.F.R. 824, *Procedural Rules for the Assessment of Civil Penalties for Classified Information Security Violations*. The goals of these enforcement activities are to ensure that DOE contractors adhere to worker safety and health, nuclear safety, and classified information security regulations, and to promote proactive improvement of worker and nuclear safety and security performance through timely self-identification, reporting, and correction of noncompliant conditions to enable contractors to achieve excellence in mission accomplishment without the need for enforcement actions.

Funding provides for the review and analysis of operational data, such as noncompliance reports, and the conduct of regulatory assistance reviews and enforcement investigations. Operational data is collected and analyzed from DOE data management systems designed specifically for noncompliance reporting, as well as reports from independent oversight activities, the DOE Occurrence Reporting and Processing System, the DOE Computerized Accident/Incident Reporting System, DOE facility representatives, the Office of Inspector General, and the U.S. Government Accountability Office. Worker and nuclear safety noncompliance reporting is managed through a web-based Noncompliance Tracking System funded within this activity. Classified information noncompliance reporting is managed through the DOE Safeguards and Security Information Management System. Data from these systems are used to determine whether enforcement investigations are warranted and to analyze trends in noncompliance events. Based on previous years, it is anticipated that up to 1,000 incident reports will be reviewed in FY 2012, resulting in up to 20 cases requiring further investigation. Funding provides for reviews, investigations, and development and issuance of enforcement actions and other regulatory correspondence, such as notices of violation, enforcement letters, consent orders, compliance orders, and the assessment of civil penalties or other sanctions. Funding also provides for the conduct of periodic enforcement coordinator workshops and training.

**Total, Subprogram Health and Safety**

**76,121**

**72,058**

## Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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### Worker Safety

Reduction reflects decreased contractor support for worker safety-related policy, assistance, and corporate programs. Program effectiveness will be maintained through implementation of operational efficiencies and increased reliance on the Federal workforce. The reduction also reflects the moving of funding for support to the Radiation Emergency Accident Center/Training Site to the Health Programs, Domestic Health Programs, Health Research sub-activity.

-1,229

#### Total, Worker Safety

-1,229

### Environment

Reduction reflects decreased contractor support for environment-related policy, assistance, and corporate programs. Program effectiveness will be maintained through implementation of operational efficiencies and increased reliance on the Federal workforce.

-307

#### Total, Environment

-307

### Health Programs

#### ■ Domestic Health Programs

##### ● Health Research

Reduction reflects decreased contractor support for epidemiological-related activities while maintaining program effectiveness through implementation of operational efficiencies and increased reliance on the Federal workforce. The reduction also reflects a shift toward the conduct of targeted public health studies performed by the Department of Health and Human Services to determine the effect of DOE operations on communities surrounding DOE sites. The reduction is offset by an increase associated with moving the Radiation Emergency Accident Center/Training Site funding to this sub-activity from the Worker Safety activity.

-845

##### ● Employee Compensation Program

The reduction reflects an expected decrease in records searches of individuals who may have Energy Employee Occupational Illness Compensation Act claims resulting from work at DOE facilities.

-1,000

#### Total, Domestic Health Programs

-1,845

#### ■ International Health Programs

##### ● Russian Health Studies

Funding reflects the project's change from data collection to report writing.

-482

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

FY 2012 vs. FY 2010 Current Approp (\$000)
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<b>Total, International Health Programs</b>	-482
<b>Total, Health Programs</b>	<b>-2,327</b>
<b>Enforcement</b>	
Reduction reflects decreased contractor support for outreach efforts while maintaining program effectiveness through implementation of operational efficiencies and increased reliance on the Federal workforce.	-200
<b>Total, Enforcement</b>	<b>-200</b>
<b>Total, Funding Change, Subprogram Health and Safety</b>	<b>-4,063</b>

## Security

### Funding Schedule by Activity

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Security		
Specialized Security Activities	163,700	200,708
Safety and Security Training	16,656	15,500
Security Operational Support	12,652	7,092
Security Technology Development and Systems Deployment	11,754	0
Classification, Declassification and Controlled Information	10,785	9,707
Security Investigations	12,320	11,988
Headquarters Security Operations	33,769	32,392
Total, Subprogram Security	261,636	277,387

### Benefits

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 maintained in order to be responsive 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. Department-wide assistance is provided via training programs to develop and maintain the proficiency and competency of DOE safety and security personnel in support of overall Departmental human capital goals. Corporate security-related information management systems are maintained to determine the potential for an 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, the information control program is implemented by DOE for the U.S. government to mitigate national security threats by preventing the release of information regarding weapons of mass destruction or other data that has the potential to damage the Nation's energy infrastructure and ensuring the release of information that is not sensitive.

## Detailed Justification

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### **Specialized Security Activities**

**163,700      200,708**

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

### **Safety and Security Training**

**16,656      15,500**

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

Funding supports the development and delivery of security and safety training programs. Security training activities consist of specialized training in protective force operations, including weapons firing courses and response force tactics. Additionally, funding provides specialized training in the areas of vulnerability assessments, nuclear materials control and accountability, physical security systems, personnel security, information security, and security techniques and methodologies. These critical courses qualify security personnel to perform safeguards and security functions throughout DOE. Safety training activities primarily focus on the development and delivery of training to personnel who perform safety duties in a nuclear operational environment. Training is provided utilizing facilities located at the National Training Center campus and at facilities throughout the DOE complex, as well as via distance-learning techniques. The National Training Center also deploys mobile safety and security training teams to DOE field sites to maximize cost savings while maintaining training integrity and consistency.

The National Training Center provides professional development programs for DOE safety and security personnel. This effort sets forth a career track that guides and records the educational and experience progress of DOE safety or security professionals. Based on models used by other Federal agencies, the training program targets critical human capital loss projections to ensure that the vital safety and security functions within the Department are implemented by a skilled workforce without interruption resulting from anticipated personnel losses. Focusing on projected DOE personnel needs in the security and safety disciplines, the National Training Center provides instruction to develop the next generation of DOE leaders and managers.

Funding supports the operation and maintenance of National Training Center facilities, which are located across four distinct areas permitted to DOE by the U.S. Air Force. National Training Center facilities consist of classrooms, administrative offices, and weapons firing ranges. The National Training Center also maintains the Integrated Safety and Security Training and Evaluation Complex, a simulated DOE research and operational facility designed to employ and evaluate training methodologies and evolving safety and security technologies through hands-on, performance-based instruction. Operation and maintenance funding provides for utility and telecommunications services

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

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for Federal and contractor personnel and for the management of support programs necessary to provide a safe, secure, and environmentally sound operation that meets the requirements of Secretarial objectives, Departmental directives, the Occupational Safety and Health Administration, the Environmental Protection Agency, and state and local laws and regulations.

In FY 2009, over 7,300 employees utilized National Training Center services via multiple learning methodologies, including traditional classroom training, mobile training, and distance learning formats, such as eLearning and correspondence courses.

**Security Operational Support**

**12,652**

**7,092**

Security operational support activities provide technical and field expertise to Federal staff to develop Department-wide 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.

Funding for security policy analysis provides for subject matter technical expertise in a wide variety of security disciplines to support the Federal staff in the analysis of security policies in the context of national-level drivers and the development of security requirements and performance measures. These activities support all Secretarial objectives by providing a tailored level of security requirements for a wide range of Departmental scientific, research, and national security objectives based on the security significance of their national assets. Security policies, requirements, and guidance are developed to be clear and easily implemented with the goals of securing nuclear material and classified matter, as well as protecting the highly specialized and trained DOE workforce. Security policies address program planning and management (e.g., site safeguards and security plans, facility clearances, and surveys and self-assessments), information security, physical protection systems, protective force operations, personnel security, and nuclear material control and accountability. Funding also provides for coordination and interaction with subject matter experts from the national laboratories and other field locations who provide feedback to keep security requirements current and effective. Other security-related support provides for expert advice and assistance in the development of requirements for physical security systems, explosive detection systems, and integrated alarm management and control systems. Funding supports the continued review of security policies to eliminate unnecessary or duplicative requirements and to ensure consistency with relevant national standards, as appropriate. These activities will be conducted within the Department's philosophy of policy reform to ensure that DOE requirements reflect updated international and national codes and standards, the current state of science and technology, changing DOE missions and work environments, and emerging safeguards and security issues.

This activity provides technical support for the security-related aspects of the human reliability program to ensure that over 10,000 individuals granted 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. Funding provides for research of legal topics and the development and distribution of human reliability program

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products, such as training and awareness materials for use by program enrollees, medical staff, certifying officials, and supervisors to meet requirements or to enhance existing program elements required by 10 C.F.R. 712, *Human Reliability Program*. Funding also provides for the deployment of the human reliability program database and standard certification management system developed in FY 2010 for the purpose of standardizing the processes for nomination, certification, recertification, suspension, and extension of transferred employees, as well as the implementation of random drug and alcohol testing.

The DOE security awareness special interest group is a longstanding professional organization composed of DOE and contractor safeguards and security awareness coordinators. This group provides a mechanism for sharing security awareness methods and products, solving problems, and disseminating security-related information to satisfy Presidential and other regulatory requirements. Funding provides security awareness coordinators with tools and information needed to communicate information to employees regarding security threats, the individual's role within the security program, and changes in protection levels and strategies that use electronic information systems to deliver required security briefings and other security information. Funding provides for monthly teleconferences, an annual workshop, and a group website.

The DOE foreign ownership, control, or influence program is 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 program applies to all contracts involving classified work. Funding provides for the operation and maintenance of the three-part electronic web-based system that supports the timely processing of all mission-related contracts to determine whether potential or existing contractors of the Department are owned, controlled, or influenced by a foreign entity and, as a result, exhibit the potential for undue risk to national security. This electronic government initiative reduces by 70 percent the time necessary for submission, analysis, and determination of information prior to award of contracts by converting the inefficient, paper-based operation to an electronic process. The system also provides the ability to tailor solutions for classified contracts to meet local operational needs and missions. Approximately 3,500 contractors at 55 DOE and National Nuclear Security Administration sites use the system to submit, analyze, and render determinations on applications. Six Naval Reactors sites also use the system. Funding provides support for system administration and operation, cyber security, user training and assistance, and program management.

The DOE foreign visits and assignments program enables foreign nationals' participation in unclassified DOE work, and classified visits involving foreign nationals. The program for unclassified visits complies with the requirements of Presidential Decision Directive 61, *Energy Department Counterintelligence*, as specified in DOE Order 142.3 Chg 1, *Unclassified Foreign Visits and Assignments Program*. The program for classified visits is implemented through DOE Order 142.1, *Classified Visits Involving Foreign Nationals*. The unclassified foreign visits and assignments program includes an electronic data management system that provides accountability for, and reports to internal DOE management and external authorities on the presence of, foreign nationals at all DOE facilities.

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Funding supports the operation and upgrade of the electronic Foreign Access Central Tracking System database to enable efficient and effective processing of unclassified visit and assignment requests and allows management of the large volume of requests. Funding also provides for response to mandates from the Department of Homeland Security related to foreign visitor security requirements.

Security operational support activities provide for the electronic Safeguards and Security Information Management System, a centralized classified browser-based database that serves as the repository of current and historical DOE security deficiencies (and associated corrective actions) from both internal and external sources, used throughout the DOE complex to index security issues. This centralized data source identifies facility clearance levels to expedite appropriate levels of secure communication and collaboration; reduces the site's administrative impacts on determining inter-site data transfers and accesses; and indexes security issues. The database also maintains facility security ratings, a listing of facility security officers for more than 2,500 DOE cleared facilities, classified mailing addresses for over 800 facilities authorized to receive classified information, and classified contracts, inspections, surveys, and initial and quarterly updates to corrective action plans. The system also identifies the assets (nuclear materials and information) that the facility is authorized to possess and provides a central repository for approved deviations from security requirements, as well as information regarding incidents of security concern (e.g., unauthorized disclosures of classified information, accidental discharges of weapons, and missing special nuclear material). Funding supports operation and maintenance of the system and enhancements to the process workflow to identify and implement streamlined, cost-effective processes. Funding also supports the continued use and expansion of trending and analysis reports for use by various Departmental entities, field assistance activities associated with augmentation of the system to support security incident management initiatives, improvements to the system, and customized reports and analyses requested by field and program offices.

This activity provides technical support for risk communication, risk management, vulnerability assessments, and security system performance evaluations, verifications, and validations used to identify and cost-effectively address and mitigate threats to Departmental assets. Funding also provides for technical assistance to DOE operations in the development and implementation of innovative concepts to mitigate emerging threats at the site level, thereby minimizing impacts on science, innovation, and research activities. Security expertise is provided through the various phases of project management, including design review of line item construction projects and technical support to Departmental elements regarding capital projects, security design, and construction. Funding also provides for assistance in the development, evaluation, review, and consistent application of the Graded Security Protection policy implementation via scenario development review teams and zero based security reviews. In addition, technical assistance is provided to ensure consistency in vulnerability assessment training and the application of manual and computer-based vulnerability assessment tools used in implementing safeguards and security protection strategies. Onsite field assistance provides for the development and review of site safeguards and security plans and the associated vulnerability assessments at the Department's most critical facilities. Onsite field assistance also provides for independent technical experts to ensure comprehensive, equitable, and cost-effective security protection program evaluation and testing. Activities include protective force/adversary engagement modeling,

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force-on-force exercise expert adversary team utilization, facility security system characterization, threat clarification and identification, physical security system reviews, and security survey support.

Radiological material control and accountability activities support the Department's nonproliferation and antiterrorist programs, compliance with U.S. and DOE regulations, and international treaty obligations. The primary tool for inventorying approximately 18,000 radioactive sealed sources at DOE sites is the Radiological Source Registry and Tracking database. This database supports nonproliferation programs, assists in mitigating the threat of "dirty" bombs by providing the Department with an inventory tool meeting international guidance for registering and inventorying high-risk sealed sources, and assists in analysis to support determination of potential radiological sabotage targets. Information in the database is used to monitor the location and use of sealed sources, detect and act on discrepancies in inventory, and assist in vulnerability analyses and emergency response activities to provide greater security and management for high-risk radioactive sealed sources. DOE uses the database to report to the national source tracking system managed by the Nuclear Regulatory Commission. Use of the database supports compliance with the Energy Policy Act of 2005; 10 C.F.R. 20, *Standards for Protection Against Radiation*; 10 C.F.R. 32, *Specific Domestic Licenses to Manufacture or Transfer Certain Items Containing Byproduct Material*; 10 C.F.R. 110, *Export and Import of Nuclear Equipment and Material*; and the U.S. commitment to support the objectives of the International Atomic Energy Agency *Code of Conduct on the Safety and Security Radioactive Sources*. The database is also used to meet the requirements of 10 C.F.R. 835, *Occupational Radiation Protection*, and is implemented within DOE via DOE Notice 234.1, *Reporting of Radioactive Sealed Sources*. Funding provides for maintenance and operation of the database.

**Security Technology Development and Systems Deployment** **11,754** **0**

The security technology development and systems deployment activity is being discontinued within the HSS program. These activities, to the extent needed, will be funded within other DOE programs.

**Classification, Declassification and Controlled Information** **10,785** **9,707**

The classification, declassification, and controlled information activity ensures the Department meets its statutory responsibility to implement the U.S. government-wide program to classify and declassify nuclear weapons-related technology (i.e., Restricted Data and Formerly Restricted Data) 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 our nuclear sites, energy critical infrastructure information, and chemical/biological, and radioactive dispersal devices. With the issuance of Executive Order 13526 and an anticipated executive order on controlled unclassified information, technical support will be used to develop implementation policies, requirements, and guidance documentation.

Funding provides technical support in the development of U.S. government and DOE-wide policy and

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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. The guide-based system allows DOE to be consistent in distinguishing information that requires protection from information that is not sensitive and can be released to the public, thereby promoting a more transparent government. Approximately 20 guides are published annually. Specialized technical expertise support is provided to foreign governments, DOE, and other U.S. departments and agencies regarding the national security implications of classification and declassification decisions for very complex nuclear proliferation issues. For example, support is provided in uranium isotope enrichment initiatives intended to provide nuclear fuel for energy production for the nation while preventing the proliferation of enrichment technologies.

Funding provides for training and certification of DOE and other agency personnel in classification and information control programs and related areas in order to fulfill requirements identified in DOE regulations, orders, manuals, and agreements with other agencies in accordance with public law. In FY 2009, approximately 900 DOE and other U.S. agency personnel were provided training and 1,000 classification certification tests were processed. Requests from other U.S. departments and agencies for assistance and training are expected to increase in response to the Administration's mandate for a more transparent government.

Technical support provides for the review of documents in support of DOE operations, such as the former worker medical screening and the Energy Employees Occupational Illness Compensation Act programs and response to civil or criminal litigation or other requests, in support of other U.S. government entities, such as Congress, Presidential Libraries, U.S. Patent Office, the Defense Nuclear Facilities Safety Board, the U.S. Government Accountability Office, and the Inspector General. In FY 2009, 35,000 pages of DOE historical records were reviewed; 5,014,640 pages of quality control review were conducted; and 26,844 pages of referrals from other U.S. government agencies were completed. A significant increase in document review activity is expected in FY 2012 as a result of the establishment of the National Declassification Center under Executive Order 13526 and the President's mandate to complete the review of over 400 million pages of permanent classified documents currently in backlog at the National Archives by December 2013.

Funding provides for technical support for the final review of classified DOE documents and documents containing DOE equities from all U.S. government departments and agencies, including DOE, requested under the Freedom of Information Act 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*. In FY 2009, 183 Freedom of Information Request reviews were completed, consisting of just over 29,000 pages. Funding provides for classification/declassification review of time-critical National Institute for Occupational Safety and Health-related records, Defense Nuclear Facilities Safety Board reports, U.S. Government Accountability Office reports, Inspector General reports, and other high-interest program documents. In FY 2009, 272 requests for reviews involving over 15,600 pages were completed. Other U.S. departments and agencies do not have the requisite expertise in DOE classified programs to perform their own classification reviews and are prohibited from conducting such

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reviews under 10 C.F.R. 1045, *Nuclear Classification and Declassification*.

**Security Investigations** **12,320** **11,988**

Security investigations activities provide support to personnel security programs associated with providing access authorizations to DOE Federal and contractor personnel who, in the performance of their official duties, 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 is based on 10 C.F.R. 710, *Criteria and Procedures for Determining Eligibility for Access to Classified Matter or Special Nuclear Material*.

HSS funds security investigations for Headquarters personnel whose access authorizations are managed through DOE Headquarters, while the responsible program offices fund security investigations for field personnel and Headquarters personnel whose access authorizations are managed through offices other than DOE Headquarters.

■ **Federal Bureau of Investigation** 630 567

The Federal Bureau of Investigation conducts 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.

■ **Office of Personnel Management** 7,150 7,335

The Office of Personnel Management conducts the majority of background investigations of DOE Headquarters Federal and contractor employees. Funding provides for initial single-scope background investigations, periodic reinvestigations, and initial and reinvestigation national agency checks.

■ **Access Authorization Information Management** 4,540 4,086

This activity provides for the development and maintenance of DOE policies, requirements, and guidance; technical assistance; programmatic oversight; and corporate-level services associated with granting and maintaining access authorizations to Federal and contractor employees throughout the Department. The administration of access authorizations is conducted within a framework of Executive Orders, regulatory guidelines, and intra- and interagency committees with the goal of improving suitability, uniformity, centralization, efficiency, effectiveness, and timeliness throughout the U.S. government. This activity also provides support for the conduct of corporate-level access authorization adjudications (i.e., performing case reviews, conducting evaluations, and preparing decision packages).

Funding provides for the central management of access authorization data and processes. The automated system supporting this function is the electronic DOE Integrated Security System, which

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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. Funding provides for operations, maintenance, improvements and integration of this system with DOE human resources, financial management, and local access control systems. Continued development and refinement eliminates the need for redundant applications and databases at DOE field sites by interacting directly with other data systems to reduce processing time and increase the accuracy of the data. Proposed upgrades will securely link legacy systems through the case management system to interagency federated services. Funding provides for modernizing the system infrastructure, leveraging legacy capabilities, and complying with new security requirements, such as Homeland Security Presidential Directive 12. Funding also provides for the DOE-wide 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. The purpose of this system is 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**

**33,769**

**32,392**

The Headquarters security operations activity provides for the physical protection of all DOE Headquarters facilities and assets, including information, 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 and oversight of security-related programs. Funding for these activities provides a safe and secure work environment and assures line management, workers, and stakeholders that their activities within Headquarters facilities are effectively protected.

Funding provides for a protective force engaged in the physical protection of classified information, facilities, and the workforce 24 hours a day, 365 days a year at DOE Headquarters facilities and satellite facilities in Washington, DC, and Germantown, Maryland. Funding also provides for the operation and maintenance of security alarms and access control systems including security screening equipment, vehicle inspection scanning devices, low-light closed circuit monitors, turnstiles, and other access control equipment. Headquarters information security activities assist program and staff offices provide the necessary protection to both classified and sensitive unclassified information under their control. Funding provides for performance testing of information control systems to ensure the protection of sensitive and classified information vital to both national and economic security.

This activity provides for the conduct of technical surveillance countermeasures activities, in support of Presidential Decision Directive 61, *Energy Department Counterintelligence*, that provide detection and denial of hostile intelligence collection operations intent on penetrating DOE installations to steal technology or sensitive or classified information. Funding supports the conduct of surveys, inspections, in-conference monitors, pre-construction consultation services, and threat analysis for DOE Headquarters and DOE contractor facilities in the Washington, DC, metropolitan area. Funding also provides for the acquisition, maintenance, and upgrade of unique countermeasures equipment.

(dollars in thousands)

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The Headquarters security activity also supports the implementation of personnel security requirements for Federal and contractor employees of DOE entities located in the Washington, DC, metropolitan area and other U.S. government officials granted DOE access authorizations. Funding provides for the access authorization adjudication process (i.e., case reviews and analysis, interviews, and use of court reporters and consulting physicians as needed) to assure that access to DOE classified information is permitted only when it has been determined that such access will not endanger the common defense and national security. Additionally, funding provides for the implementation of Homeland Security Presidential Directive 12 requirements related to the secure and reliable identification of DOE Federal and contractor employees. In FY 2009, over 4,000 access authorizations and over 11,000 visits involving classified information were processed.

Funding also provides for initial and recurring security briefings to all DOE employees and non-DOE personnel granted unescorted access to Departmental security areas at DOE Headquarters, as required under Executive Order 12829, *National Industrial Security Program*, and implemented via the National Industrial Security Program Operating Manual and DOE Manual 470.4-1, *Safeguards and Security Program Planning and Management*.

<b>Total, Subprogram Security</b>	<b>261,636</b>	<b>277,387</b>
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### Explanation of Funding Changes

	FY 2012 vs FY 2010 Current Approp (\$000)
<b>Specialized Security Activities</b>	
Increase reflects new specialized security activities.	+37,008
<b>Total, Specialized Security Activities</b>	<b>+37,008</b>
<b>Safety and Security Training</b>	
Reduction reflects a decrease in the development of new safety and security training programs and the deferral of facility maintenance at the National Training Center.	-1,156
<b>Total, Safety and Security Training</b>	<b>-1,156</b>

Other Defense Activities/  
Health, Safety and Security/  
Security

### Security Operational Support

Reduction reflects the transfer of the Nuclear Materials Management and Safeguards System and Local Area Network Material Accountability System software activities to the National Nuclear Security Administration; administrative savings under object class 25.1, advisory and assistance services, as a result of moving the operations of the foreign visits and assignments sub-activity from a laboratory to DOE Headquarters; and decreased contractor support for safeguards and security-related policy, assistance, and corporate programs. Program effectiveness will be maintained through implementation of operational efficiencies and increased reliance on the Federal workforce.

-5,560

#### Total, Security Operational Support

**-5,560**

### Security Technology Development and Systems Deployment

The security technology development and systems deployment activity is being discontinued under the HSS program. These activities, to the extent needed, will be funded within other DOE programs.

-11,754

#### Total, Security Technology Development and Systems Deployment

**-11,754**

### Classification, Declassification and Controlled Information

Reduction reflects decreased contractor support for maintenance of DOE requirements related to the protection of nuclear weapons-related technology; training for DOE and other U.S. government agencies regarding the implementation of information safeguards and security requirements; and review of documents supporting DOE responses to Freedom of Information Act requests.

-1,078

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

**-1,078**

### Security Investigations

#### ■ Federal Bureau of Investigation

Funding reflects an anticipated reduction in the number of initial investigations and reinvestigations needed to provide/maintain DOE Headquarters and other U.S. government personnel access authorizations.

-63

**-63**

#### ■ Office of Personnel Management

Funding reflects an anticipated increase in the number of initial investigations and reinvestigations needed to provide/maintain DOE Headquarters and other U.S. government personnel access authorizations.

+185

#### Total, Office of Personnel Management

**+185**

#### ■ Access Authorization Information Management

Other Defense Activities/  
Health, Safety and Security/  
Security

FY 2012 vs FY 2010 Current Approp (\$000)
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Reduction reflects decreased contractor support for policy and assistance activities while maintaining program effectiveness through implementation of operational efficiencies and increased reliance on the Federal workforce.

-454

**Total, Access Authorization Information Management**

-454

**Total, Security Investigations**

**-332**

**Headquarters Security Operations**

Reduction reflects efficiencies in operations of the Headquarters protective force, deferment of the purchase and maintenance of technical surveillance countermeasures and access control equipment, and the reduced need for personnel security adjudication services associated with maintaining access authorizations for DOE Headquarters personnel.

-1,377

**Total, Headquarters Security Operations**

**-1,377**

**Total, Funding Change, Subprogram Security**

**+15,751**

## Program Direction

### Funding Profile by Category

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
National Training Center		
Salaries and Benefits	1,727	1,850
Travel	65	63
Other Related Expenses	41	41
Total, National Training Center	1,833	1,954
Full Time Equivalents	11	11
Headquarters		
Salaries and Benefits	62,801	59,031
Travel	3,435	2,629
Support Services	20,004	27,672
Other Related Expenses	16,052	15,751
Total, Headquarters	102,292	105,083
Full Time Equivalents	387	365
Total Program Direction		
Salaries and Benefits	64,528	60,881
Travel	3,500	2,692
Support Services	20,004	27,672
Other Related Expenses	16,093	15,792
Total, Program Direction	104,125	107,037
Total, Full Time Equivalents	398	376

### **Mission**

Program Direction provides the Federal staffing resources and associated costs required to provide overall direction and execution of the HSS mission of providing the Department health, safety, and security policy, technical assistance, analysis, corporate programs, safety and security training, independent oversight, and enforcement. Federal staff also manage the conduct of domestic and international health programs, implement physical and personnel security programs for DOE facilities in the National Capital Area, and manage the U.S. government-wide program to classify and declassify nuclear weapons-related technology and other national security information.

Support services provides technical support for Headquarters security operations; Departmental security incident analysis; personnel, physical, and information security and security policy management; and independent oversight programs. Technical support also provides for effective cross-organizational leadership in resolving Defense Nuclear Facilities Safety Board-related technical and management issues necessary to ensure public health and safety.

## Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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### Salaries and Benefits

	<b>64,528</b>	<b>60,881</b>
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Funding provides for salaries and benefits for 376 Federal full-time equivalent employees (a reduction of 22 from the FY 2010 level) with the technical expertise needed to carry out the HSS mission to provide: corporate-level leadership and strategic vision to coordinate and integrate health, safety, and security policy development and technical assistance; safety and security-related analysis; corporate safety and security programs; safety and security training; quality assurance programs; complex-wide independent oversight; safety and security enforcement; executive protection; and effective cross-organizational coordination to resolve Defense Nuclear Facilities Safety Board-related technical and management issues necessary to ensure worker and public health and safety. Funding for full-time permanent employees includes salaries and other personnel benefits, such as cash incentive awards, lump sum payments, senior executive service and other performance awards, and workers' compensation, and provides for the skills and expertise required to accomplish the HSS mission.

### Travel

	<b>3,500</b>	<b>2,692</b>
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Travel includes all costs of transportation, subsistence, and incidental travel expenses incurred by HSS Federal employees in accordance with Federal Travel Regulations. HSS travel is necessary to manage and conduct health, safety, and security programs, as well as independent oversight and enforcement activities, for the Department. Extensive travel is also required for personnel to perform executive protection activities for the Secretary, Deputy Secretary, and other dignitaries as assigned.

### Support Services

	<b>20,004</b>	<b>27,672</b>
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HSS has analyzed its use of support services and has established specific criteria for its efficient use. While HSS has some unique Federal employee expertise, technical contractual support services continue to be a practical and cost-effective method for supporting the Federal staff as needed. The evolving need for world-class expertise in a multitude of disciplines can best be met through the use of contractors who can rapidly respond to the continually changing skill mix required to perform health, safety, security, and independent oversight and enforcement activities across the DOE complex. Contractor support provides a practical and cost-effective method of providing a surge pool of personnel with technical expertise in a wide range of safety and security disciplines.

#### ■ Headquarters Security Support

	3,002	1,208
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Headquarters security activities utilize highly specialized technical and analytical expertise and management support personnel in support of the overall DOE security mission of protecting the U.S. nuclear deterrence capabilities from a spectrum of diverse threats. This activity provides for the development and promulgation of clear and consistent security strategies and policy governing the protection of critical national security assets entrusted to the Department. Mission areas include nuclear safeguards and security, nuclear materials accountability, information security, specialized security support, foreign visits and assignments, security policy, classification/declassification, and security investigations.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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Funding also provides for contracted subject matter expert support in the areas of personnel, physical, and information security and security policy management. Personnel security support provides for highly skilled experts involved in the Headquarters personnel security program and the complex-wide administrative review program. Security policy support provides for highly skilled experts involved in the revision of both the protective force and physical security manuals, as well as the revision of 10 C.F.R. 1046, *Physical Protection of Security Interests*, and 10 C.F.R. 1047, *Limited Arrest Authority and Use of Force by Protective Force Officers*, to address physical fitness, arrest authority, and deadly-force issues.

Funding provides for subject matter expert support for the incident reporting and management team that receives, processes, and analyzes (including classification reviews) every incident reportable under DOE Manual 470.4-1, *Safeguards and Security Program Planning and Management*. This team provides routine reports and issue papers for senior DOE management, including the Secretary.

■ **Independent Oversight Activities** 16,352 25,879

Independent oversight activities are designed to ensure maximum value to the Department in completing its missions by assisting senior Departmental leadership, program and site offices, and contractors in identifying gaps and vulnerabilities in safety (worker, nuclear, and facility safety) and physical and cyber security programs (programs for the protection of the public, the environment, workers and national security assets, including special nuclear material and sensitive and classified information in all forms) and related performance. Emphasis is placed on solving problems in the areas of safety and security by providing corporate perspective and experience to assist DOE Headquarters and field elements in implementing cost-effective solutions to identified issues. Independent oversight activities are tailored to the unique needs of each DOE program office, considering relative risks and past performance in prioritizing activities. Safeguards and security and cyber security related independent oversight activities help determine whether special nuclear materials, and classified matter (parts and information) and information technology systems are adequately protected. Safety-related independent oversight activities help ensure that the Department's environment, health, safety, and emergency management activities meet applicable requirements; enhance the health and safety of its workers and the public; and minimize the number of events that could negatively impact the Department's ability to perform its mission and achieve its goals. Independent oversight activities also provide accurate and timely information and analysis regarding the effectiveness and trends of the Department's safety and security programs and other functions of interest. Information is made available to the Secretary, Deputy Secretary, Under Secretaries, Congressional committees, and other stakeholders, such as unions and local public interest groups, to provide confidence that the Department's operations are being performed in a safe, secure, and environmentally sound 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

(dollars in thousands)

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functions are provided that: (1) are required by a Federal law, Executive Order, or comparable requirement; 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 470.2B, *Independent Oversight and Performance Assurance 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. The processes are governed by documented, formal protocols but are continuously evaluated, revised, and refined based on Departmental and national events and activities that have an impact on DOE security and safety to provide more useful performance data and related information to line managers.

Funding provides for technical support to observe operations and conduct performance tests that examine the effectiveness of safety and security programs and policies. Priority is given 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. Funding also provides for the development of reports, including findings and opportunities for improvement. Unclassified and non-sensitive reports are maintained on the HSS website. Classified and sensitive report titles are identified on the HSS website and are available to authorized personnel upon request. Funding provides for the conduct of follow-up reviews and site assistance visits to share knowledge of effective program implementation practices. In addition, lessons-learned information is developed and provided through handbooks, videotapes, and other mechanisms throughout the Department.

Security-related independent oversight activities are conducted at DOE and National Nuclear Security Administration sites to assist line management in ensuring the implementation of effective controls to protect security-related assets, with a primary focus on the highest-priority security interests (strategic quantities of special nuclear materials, nuclear weapons and the most sensitive classified information assets). For the highest-priority interests, performance tests (or assistance to line management in conducting such tests) are conducted, including protective force tests (e.g., force-on-force exercises) using weapons simulation systems and a specially trained composite adversary team to assess overall security effectiveness. These activities directly contribute to significant reductions in the recurrence of safeguards and security issues and effectively support the maintenance of a safe, secure, and reliable weapons stockpile. Independent oversight also applies a risk-based approach to evaluating and performance-testing the protection of the most sensitive information assets in all forms through multi-faceted evaluations, including regular announced inspections, unannounced testing, and other special reviews. Independent oversight activities may also include programmatic reviews of management processes that support an effective information protection program. Insights into DOE security program strengths and weaknesses resulting from independent oversight activities are published and distributed to site, program, and senior Departmental management.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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Using a risk-based approach, cyber security independent oversight activities provide assurance that the confidentiality, integrity, and availability of DOE classified and unclassified information systems are protected through multi-faceted evaluations of cyber security program performance, including regular announced inspections, unannounced testing, assistance visits and other special reviews. HSS conducts internal and external network penetration testing in support of oversight activities to fully understand a site's cyber security protection posture. Penetration testing focuses on identifying exploitable network vulnerabilities and on evaluating the effectiveness of firewalls, intrusion detection and system monitoring capabilities, and other aspects of network security. To emulate real-world threats, HSS maintains a state-of-the-art cyber security testing network for external testing and a suite of deployable cyber security testing equipment for internal testing of DOE site networks. Cyber security independent oversight activities may also include programmatic reviews of management processes that support an effective cyber security program. These reviews assess program direction and sustainability and assist in identifying underlying causes of weaknesses discovered during penetration testing. HSS conducts the annual independent evaluation of classified information systems security programs, as required by the Federal Information Security Management Act, for both DOE and the DOE Office of Intelligence and Counterintelligence. HSS also provides critical input to the DOE Office of Inspector General for the annual evaluation of the DOE unclassified information systems security program.

Safety-related independent oversight activities focus on the implementation of integrated safety management systems, worker health and safety rules, and nuclear safety and emergency management programs to protect workers, the public, and the environment from the unique hazards associated with DOE sites and activities. Priority is given to high-hazard nuclear, non-nuclear radiological, and industrial facilities. Sites with recurring weaknesses, high rates of accidents and injuries, or other special considerations are provided additional support and oversight. In addition, focused reviews of special topic areas are conducted to provide credibility to stakeholders. These activities provide a significant benefit to the Department by improving safety and promoting adherence to applicable Federal and state regulations and DOE and industry standards in such areas as nuclear facility management and operations, worker safety and health, and environmental protection.

Enhancements to independent oversight processes for nuclear safety were initiated in FY 2009, in response to the U.S. Government Accountability Office report GAO-09-61, *Nuclear Safety: Department of Energy Needs to Strengthen its Independent Oversight of Nuclear Facilities and Operations*, and as directed in the Omnibus Appropriations Act, 2009. Beginning in FY 2010 and increasing in 2012, independent oversight activities will focus on safety bases at DOE nuclear facilities to identify potential safety concerns. These activities include focused reviews that evaluate the implementation of nuclear facility safety programs for developing, maintaining, and implementing safety bases; reviews focused on implementation of safety basis technical safety requirements; corrective action follow-up reviews; and other related topical areas of interest. The

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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results of these activities are designed to increase operational awareness of DOE nuclear facilities and support hands-on technical assistance to sites in resolving safety issues and conducting nuclear safety policy, training, oversight, and enforcement activities.

In FY 2012 the Department will take the following actions:

1. HSS will expand the independent nuclear safety reviews of new and modified nuclear facilities, and then validate the implementation of its findings. This effort will be further strengthened by HSS creating a new office dedicated to nuclear safety.
2. DOE is creating a nuclear safety research and development process to bring the latest information on standards, limits and calculation models, to the Headquarters program organizations and DOE field sites.
3. DOE will further expand “boots-on-ground” of key safety professionals. Additionally, DOE will develop formal training for nuclear specialties where it currently does not exist (such as seismic criticality, safety, etc.).
4. DOE will increase enforcement activities and penalties for recurring violations of nuclear safety requirements.
5. DOE will make nuclear safety oversight information available to the public through regular updates on the Agency’s web page.

Special reviews and studies of policies, programs, and their implementation in the field are conducted to identify needed program corrections. Special reviews that examine issues derived from current events are often performed at the request of the Secretary or other senior Departmental managers, in addition to scheduled appraisal activities. Special review activities also address issues not normally covered by ongoing independent oversight functions, such as special reviews to investigate worker concerns about safety and health issues. Finally, in coordination with DOE line management, special reviews of crosscutting subjects are developed from site-specific investigations to provide DOE senior management with an overview of programs and associated issues across the entire Department. The results of these special reviews and studies have been of particular interest to senior DOE managers and Congress, and their evaluation and analysis have resulted in substantial improvements in programs throughout DOE.

■ **Defense Nuclear Facilities Safety Board Liaison Activities** 650                      585

Defense Nuclear Facilities Safety Board liaison activities facilitate the Department’s interaction with the Congressionally mandated Defense Nuclear Facilities Safety Board; promote resolution of recommendations and agreed-upon safety issues; provide requested reports on nuclear safety issues; and provide ready access to such facilities, personnel, and information as are necessary for the Defense Nuclear Facilities Safety Board to carry out its responsibilities. Activities also include providing technical evaluation and analysis of safety and management issues identified by the

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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Defense Nuclear Facilities Safety Board; providing direction, advice, and support to DOE line managers on addressing and resolving such issues; and monitoring Department-wide performance in addressing and resolving issues raised by the Defense Nuclear Facilities Safety Board. Funding provides technical support for preparing the statutorily required annual report to Congress on DOE activities relating to the Defense Nuclear Facilities Safety Board; maintaining and improving the Department's Safety Issues Management System for Defense Nuclear Facilities Safety Board-related issues, commitments, and actions; providing monthly and quarterly analysis reports to senior DOE officials on the status of existing commitments to identify those that require additional management attention or action; and maintaining a website available to the public and to Department and contractor personnel that serves as the Department's central repository of official Defense Nuclear Facilities Safety Board communications. Funding also provides for program support for the Federal technical capability program, including compiling quarterly and annual reports to senior management, coordinating multiple annual data calls, and maintaining a website.

**Other Related Expenses** **16,093** **15,792**

Other related expenses provide support required for Federal and contractor staff to accomplish the HSS mission. Support includes training for Federal employees, acquisition of security equipment, DOE common operating environment fees, and working capital fund services. Specific security equipment purchases for HSS include protective gear, weapons, and communication devices.

Training funds provide for obtaining and/or maintaining the technical competence of HSS Federal employees. This important area of human capital management assures that Federal personnel are fully capable of performing current and future missions of the Department.

The DOE common operating environment initiative combines information technology services that were previously managed separately. The initiative is designed to provide a single point of contact for all common information technology systems and services and to bring security, service, efficiency, and scale to these projects. Information technology investments support Headquarters Federal and contractor staff by providing hardware, software, hotline, and other desktop computer maintenance support on per-user count and level of service.

Funding for the maintenance of information technology systems exclusive to HSS is included within this activity. The classified local area network, part of the consolidated infrastructure initiative, includes a Secret/Restricted Data network that supports HSS Headquarters users. The Secret Internet Protocol Router Network is also part of the consolidated infrastructure initiative. It provides access to the Department of Defense classified network to effect coordination between the departments.

Other related expenses provide for working capital fund fees based on guideline estimates issued by the working capital fund manager. The working capital fund was established to allocate the cost of common administrative services to the recipient organizations. It covers building occupancy and alterations, computer and telephone infrastructure and usage, mail service, copying, printing and graphics,

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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procurement closeouts, supplies, online learning, computer network support, and payroll processing. Starting in FY 2012 the fund includes Federal salaries in the prices charged to DOE programs.

<b>Total Program Direction</b>	<b>104,125</b>	<b>107,037</b>
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**Explanation of Funding Changes**

FY 2012 vs FY 2010 Current Approp (\$000)
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**Salaries and Benefits**

Overall decrease is the result of a reduction of 22 FTEs (including two transferred to the National Nuclear Security Administration), and reflects the pay freeze as required by Public Law 111-242, as amended.

-3,647

**Total, Salaries and Benefits**

**-3,647**

**Travel**

Decrease reflects reliance on telecommunications and associated travel-related funding for two FTE transferred to the National Nuclear Security Administration.

-808

**-808**

**Support Services**

■ **Headquarters Security Support**

Reduction reflects decreased contractor support. Program effectiveness will be maintained through implementation of operational efficiencies and increased reliance on the Federal workforce.

-1,794

**Total, Headquarters Security Support**

**-1,794**

■ **Independent Oversight Activities**

Funding allows for the institutionalization of enhanced nuclear safety initiatives, identified below, implemented in response to the U.S. Government Accounting Office report GAO-09-61, *Department of Energy Needs to Strengthen its Independent Oversight of Nuclear Facilities and Operations*, and as directed in the Omnibus Appropriations Act, 2009.

1. Do more to review the implementation of safety bases and ensure that DOE line management effectively carries out its responsibilities to review safety bases, particularly for new nuclear facilities and significant modifications to existing facilities.
2. Do more to complement DOE line management functions and corporately monitor safety bases status.
3. Increase onsite presence through improvements to inspections, enforcement investigations, and other performance evaluation processes, and provide appropriate levels of follow-up of corrective actions and information to support oversight and enforcement.
4. Strengthen the enforcement program through better use of available tools and better integration with the independent oversight program.
5. Establish a system that allows for an appropriate level of unrestricted public access of appraisal reports while ensuring continued compliance with applicable information security requirements.

The increase also provides for observation of operations and conduct of performance tests that examine the effectiveness of nuclear safety and cyber security programs to mitigate performance risks as recommended by the General Accountability Office, Congress, the Department’s Inspector General, and the Defense Nuclear Facilities Safety Board.

**Total, Independent Oversight**

+9,527

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+9,527

■ **Defense Nuclear Facilities Safety Board Liaison Activities**

Reduction reflects decreased contractor support. Program effectiveness will be maintained through implementation of operational efficiencies and increased reliance on the Federal workforce.

**Total, Defense Nuclear Facilities Safety Board Liaison Activities**

-65

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-65

**Total, Support Services**

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+7,668

FY 2012 vs FY 2010 Current Approp (\$000)
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**Other Related Expenses**

Overall decrease is a result of:

- a decrease in the Working Capital Fund contribution as a result of consolidation of office space in FY 2010 and funding associated with the transfer of two FTEs to the National Nuclear Security Administration; offset by a functional transfer for salaries and benefits for all Working Capital Fund business lines;
- a decrease in training needs due to the reduction of 22 FTEs; and
- an increase in other related expenses for information technology fiber optic cable; enhanced use of video telecommunications services and equipment; and the purchase, maintenance, and upgrade of specialized equipment used for executive protection; offset by reductions in information technology support.

**Total, Other Related Expenses**

**Total, Funding Change, Program Direction**

-301
<hr/>
<b>-301</b>
<hr/>
<b>+2,912</b>

### Support Services by Category

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Technical Support		
Headquarters Security Support	3,002	1,208
Independent Oversight Activities	16,352	25,879
Defense Nuclear Facilities Safety Board Liaison Activities	650	585
Total, Technical Support	20,004	27,672
Total, Support Services	20,004	27,672

### Other Related Expenses by Category

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Working Capital Fund	10,513	10,232
Tuition/Training of Federal Staff	300	279
Other Services Procured	5,280	5,281
Total, Other Related Expenses	16,093	15,792

## Congressionally Directed Projects

### Funding Profile by Subprogram

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
<b>Congressionally Directed Projects</b>	2,000	0

#### Description

The Energy and Water Development and Related Agencies Appropriations Act of 2010 included two Congressionally directed projects assigned to HSS.

#### Detailed Justification

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
<b>Congressionally Directed Projects</b>		
Medical Monitoring at Paducah, Kentucky, Portsmouth, Ohio, and Oak Ridge, Tennessee	1,000	0
Burlington Atomic Energy Commission Plant and Ames Laboratory Former Worker Medical Surveillance Program	1,000	0
<b>Total, Congressionally Directed Projects</b>	<b>2,000</b>	<b>0</b>

#### Explanation of Funding Changes

	FY 2012 vs. FY 2010 Current Approp (\$000)
<b>Congressionally Directed Projects</b>	
No funding requested	-2,000
<b>Total, Congressionally Directed Projects</b>	<b>-2,000</b>



**Other Defense Activities  
Office of Legacy Management**

**Overview**

**Appropriation Summary by Program**

(dollars in thousands)		
	FY 2010 Current Appropriation	FY 2012 Request
Other Defense Activities		
Legacy Management	190,802	170,100
Total, Other Defense Activities	190,802	170,100
Use of Prior Year Balances	0	0
Transfers/Offsets (non-add)	0	0
Total, Other Defense Activities	190,802	170,100

**Preface**

The Department of Energy’s (Department/DOE) Legacy Management (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 all contractual obligations for former contractor employees are met. Within the Other Defense Activities (ODA) appropriation, the activities under the LM program provide the means to achieve these objectives.

In FY 2012, LM continues its efforts to reduce risk to human health and the environment at remediated sites, manage pension and benefit responsibilities for former contractor personnel, maintain the records, and manage DOE property at closed sites. By conducting these functions, LM provides a sustainable solution to liabilities associated with the Department’s closed sites and allows other Departmental programs to concentrate on further risk reduction and site closure.

Within the ODA appropriation, the Office of Legacy Management (LM) has one program: Legacy Management (LM).

**Mission**

The mission of the LM program is to fulfill the Department’s post-closure responsibilities and ensure the future protection of human health and the environment. As part of the mission, LM performs long-term surveillance and maintenance, pension and benefit continuity for former contractor retirees, archives and information management, and asset (real and personal property) management.

**Benefits**

The greatest benefit of the LM program is to serve as a visible demonstration of the Department’s resolve to honor its responsibilities to the former contractor work force and the communities near its remediated facilities.

The LM program provides benefits to the Department following mission change or site closure. For sites where cleanup is completed, LM activities ensure the remediation measures implemented during closure are protecting human health and the environment, pension and post-retirement responsibilities for the contractor workforce are being satisfied, and other Departmental legacy responsibilities are met.

By managing the real and personal property assets that remain after cleanup and closure, LM helps the Department reduce the magnitude of its physical resource management, the costs associated with such management, and actively promotes the beneficial reuse of mission excess properties.

### **Facilities Maintenance and Repair**

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

#### **Direct-Funded Costs for Maintenance and Repair**

		(dollars in thousands)	
		FY 2010 Current Appropriation	FY 2012 Request
Legacy Management			
Legacy Management			
Long-Term Surveillance and Maintenance			
CERCLA Sites		2,730	1,954
Non-CERCLA Sites		531	1,179
Total, Long-Term Surveillance and Maintenance		3,261	3,133
Total, Legacy Management		3,261	3,133
Total, Direct-Funded Maintenance and Repair		3,261	3,133

#### **Deferred Maintenance Reduction**

The total deferred maintenance backlog at the end of FY 2010 for the LM owned, active assets are estimated to be \$1,747,314.

**Other Defense Activities  
Office of Legacy Management**

**Funding by Site by Program**

(dollars in thousands)

	FY 2010 Current Appropriation	FY 2012 Request
Fernald Site	19,583	15,102
Grand Junction Office	27,030	32,314
Morgantown Office	10,452	14,435
Mound Site	1,000	11,311
Paducah Gaseous Diffusion Plant	4,275	3,075
Pinellas Site	7,869	6,071
Portsmouth Gaseous Diffusion Plant	12,825	9,225
Rocky Flats Site	94,481	63,278
Washington Headquarters	13,287	13,889
Yucca Mountain Site Office	0	1,400
Total, Other Defense Activities	190,802	170,100

**Major Changes or Shifts by Site**

**Yucca Mountain Site Office**

In FY 2012, Yucca Mountain site records, information technology (IT), Licensing Support Network (LSN) and former contractors' pensions and post-retirement benefits responsibilities will transfer to LM from the former Office of Civilian Radioactive Waste Management.

**Site Description**

**Fernald Site**

The Fernald site is located about 18 miles northwest of Cincinnati, Ohio (OH). The LM program conducts long-term surveillance and maintenance activities, records management, oversees the pensions and post retirement benefits for former contractor retirees, and conducts reuse and property management activities. Records maintenance functions occur at the Morgantown LM Business Center.

**Grand Junction Office**

The Grand Junction Office is located in western Colorado. Primary functions include the oversight of the long-term surveillance and maintenance, reuse and property management, and medical benefits for former DOE contractor employees from sites in the vicinity of Grand Junction. The long-term surveillance and maintenance activities managed from this office include environmental monitoring, long-term treatment of contaminants, site security, and asset disposition as well as preparing for transition of new sites coming into the LM program.

This office administers sites covered under the Uranium Mill Tailings Radiation Control Act (UMTRCA) and Formerly Utilized Sites Remedial Action Program (FUSRAP). It is also responsible for the Weldon Spring, Missouri (MO), site; the Monticello, Utah (UT), site; the Pinellas, Florida (FL), site; and the Nevada (NV) offsites which consist of eight sites located in five – primarily western – states. These sites were the locations of subsurface nuclear detonations that were performed off the Nevada Test Site.

### **Morgantown Office**

The Morgantown Office is located in Morgantown, West Virginia (WV). Program functions include operating the LM Business Center, archives and information management activities and long-term surveillance and maintenance oversight. In FY 2012, the program functions will include the records, IT, e-mail warehouse, and LSN responsibilities for the Yucca Mountain site transferred from the former Office of Civilian Radioactive Waste Management.

### **Mound Site**

The Mound site, located in Miamisburg, OH, will transfer to LM from the Office of Environmental Management. The LM program provides long-term surveillance and maintenance, records maintenance, oversees contractor retiree pensions and post-retirement benefits, and conducts reuse and property management activities. Records maintenance functions occur at the Morgantown LM Business Center.

### **Paducah Gaseous Diffusion Plant**

The Paducah Plant, located in Paducah, Kentucky (KY), passed to private ownership in 1998. Under agreements with the United States Enrichment Corporation (USEC), the Department retains responsibility for medical and life insurance benefits for part of the former USEC contractor work force.

### **Pinellas Site**

The Pinellas site, located in Pinellas, FL, which is in the Tampa-St. Petersburg metropolitan area, is a former weapons facility. LM oversees pension and benefits payments for the former contractor workforce – Lockheed Martin Specialty Corporation and General Electric – and conducts long-term surveillance and maintenance activities.

### **Portsmouth Gaseous Diffusion Plant**

The Portsmouth Plant, located in Piketon, OH, passed to private ownership in 1998. Under agreements with USEC, the Department retains responsibility for medical and life insurance benefits for part of the former USEC contractor work force.

### **Rocky Flats Site**

The Rocky Flats site is located about ten miles north of Golden, Colorado (CO). The LM program provides long-term surveillance and maintenance, records maintenance, oversees former contractor pensions and post-retirement benefits, and conducts reuse and property management activities. Records maintenance functions occur at the National Archives and Records Administration (NARA) Federal Records Center (FRC) and LM's Westminster, CO office until pending litigation is resolved.

### **Washington, District of Columbia (D.C.), Headquarters**

The Washington, DC, Headquarters LM office is responsible for policy, oversight and management of program direction funding. The Office is also responsible for administering the Department's Environmental Justice program, workforce restructuring and personal property management.

### **Yucca Mountain Site Office**

The Yucca Mountain site, located on the Nevada Test Site north of Las Vegas, NV, was prepared as a disposal site for high-level radioactive waste. LM will be responsible for pensions and post-retirement benefits for former contractor personnel. Records maintenance functions will occur at the Morgantown LM Business Center.

**Office of Legacy Management  
Funding Profile by Subprogram**

(dollars in thousands)

	FY 2010 Current Appropriation	FY 2012 Request
Legacy Management		
Legacy Management	178,618	157,514
Program Direction	12,184	12,586
Total, Legacy Management	190,802	170,100

**Public Law Authorizations:**

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

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

Public Law 103-62, Government Performance and Results Act of 1993

Public Law 111-84, National Defense Authorization Act for Fiscal Year 2010

Public Law 111-85, Energy and Water Development Appropriations Act, 2010

Public Law 111-352, GPRA Modernization Act of 2010

**Mission**

The mission of LM is to manage the Department’s post-closure responsibilities and ensure the future protection of human health and the environment. The activities used to accomplish this mission include: (1) conduct long-term surveillance and maintenance at facilities where remediation measures have been substantially completed; (2) perform storage, retrieval, and management of all records necessary for legacy management activities; (3) oversee the management of pensions and benefits for former contractor employees; (4) manage the Department’s legacy land and assets; (5) administer the Department’s Environmental Justice program; and, (6) oversee workforce restructuring.

**Benefits**

The LM program supports the Secretary’s initiative of Cleanup of the Nuclear Legacy by ensuring human health and the environment are being protected while at the same time the Department is fulfilling its commitments associated with site closure. This also has a secondary benefit of allowing other offices to concentrate their efforts on active remediation.

**Annual Performance Results and Targets**

The Department is in the process of updating its strategic plan and has been actively engaging stakeholders, including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY 2012 budget are consistent and aligned. Updated measures will be released at a later date and available at the following link:

<http://www.mbe.doe.gov/budget/12budget/index.htm>

## Legacy Management Funding Schedule by Activity

	(dollars in thousands)	
	FY 2010 Current Approp	FY 2012 Request
Legacy Management		
Long-Term Surveillance and Maintenance	33,379	38,801
Environmental Justice	1,103	1,303
Archives and Information Management	10,452	14,435
Pension and Benefit Continuity	126,594	94,785
Asset Management	6,090	8,190
Congressionally Directed, Miamisburg Mound Energy Park		
Redevelopment	1,000	0
<b>Total, Legacy Management</b>	<b>178,618</b>	<b>157,514</b>

### Benefits

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

### Detailed Justification

	(dollars in thousands)	
	FY 2010 Current Approp	FY 2012 Request
<b>Long-Term Surveillance and Maintenance</b>	<b>33,379</b>	<b>38,801</b>
The funding requested for FY 2012 will allow LM to monitor and conduct long-term treatment at its sites in accordance with legal, contractual, and regulatory agreements. Functions include soil, water, and air monitoring, long-term treatment of contaminants, maintenance of contaminant treatment structures, and maintaining security for the sites and other resources associated with the sites. Funding will also assist in preparing for the future transition of other sites.		
A related cost directly supporting this activity and embedded within the total activity cost is safeguards and security for Legacy Management properties. The costs include protective forces and physical security systems as follows: FY 2010 - \$139K; and FY 2012 - \$139K.		
<b>Fernald Site</b>	<b>8,383</b>	<b>7,302</b>
The funding requested for FY 2012 will allow LM to monitor and conduct long-term surveillance activities at the Fernald Site.		
<b>Mound Site</b>	<b>0</b>	<b>2,326</b>
The funding requested for FY 2012 will allow LM to monitor and conduct long-term surveillance activities at the Mound Site.		
<b>Pinellas Site</b>	<b>1,769</b>	<b>1,871</b>
The funding requested for FY 2012 will allow LM to monitor and conduct long-term surveillance activities at the Pinellas Site.		
<b>Rocky Flats Site</b>	<b>3,487</b>	<b>4,378</b>

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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The funding requested for FY 2012 will allow LM to monitor and conduct long-term treatment at the Rocky Flats site, including soil, water, and air monitoring, and maintaining security for the site and other resources associated with the site.

**Other Sites** **19,740** **22,924**

At the end of FY 2010, in addition to Fernald, Pinellas, and Rocky Flats, LM has responsibility for 84 other sites. In FY 2011, LM will have management responsibility for 4 additional sites and, in FY 2012, 3 more sites are scheduled for transfer. Most sites require long-term surveillance and maintenance and are managed primarily from the Grand Junction office. Other activities include the planning and preparation for future transfers of additional sites to the LM program.

**Environmental Justice** **1,103** **1,303**

The funding requested for FY 2012 will allow the Department to manage a program to promote environmental justice as specified by Executive Order 12898, issued on February 11, 1994. This program includes: grants to communities to address environmental issues using expertise from Historically Black Colleges and Universities (HBCUs); an intern program through the United Negro College Fund; a cooperative agreement with the National Conference of Black Mayors to provide assistance on environmental issues; and a Community Capacity Building Program to provide assistance to enable communities around DOE sites to address environmental justice issues.

**Archives and Information Management** **10,452** **14,435**

The funding requested for FY 2012 will allow LM to provide records management services for LM's active program elements and maintains legacy archives of inherited collections. Elements include administrative, records management policy and procedure development, planning, and oversight processes and actions that guide and govern physical and electronic records management operations. The archives and information management activity also includes managing records over the standard record life-cycle and developing records retentions schedules in conjunction with 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 supports DOE stakeholders processing claims associated with Energy Employees Occupational Illness Compensation Program Act, Freedom of Information Act, Privacy Act, and other information requests.

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. This funding allows LM to maintain its information technology infrastructure 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 2010 - \$465K; and FY 2012 - \$485K.

In FY 2012, the AIM activity includes the records, IT, e-mail warehouse, and the Licensing Support

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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Network responsibilities for the Yucca Mountain site transferred from the former Office of Civilian Radioactive Waste Management.

**Pension and Benefit Continuity** **126,594** **94,785**

**Fernald Site** **11,200** **7,800**

The funding requested for FY 2012 will provide ERISA required contributions to the pension funds and post-retirement benefits (medical and life insurance) for former contractor retirees from the Fernald facility.

**Grand Junction Office** **1,200** **1,200**

The funding requested for FY 2012 will provide retirees from former DOE contractors with medical insurance benefits in accordance with contractual requirements.

**Mound Site** **0** **8,985**

The funding requested for FY 2012 will provide ERISA required contributions to the pension funds and post-retirement benefits (medical and life insurance) for former contractor retirees from the Mound Site.

**Pinellas Site** **6,100** **4,200**

The funding requested for FY 2012 will provide ERISA required contributions to the pension funds and post-retirement benefits (medical and life insurance) for former contractor retirees from the Pinellas Plant.

**Rocky Flats Site** **90,994** **58,900**

The funding requested for FY 2012 will allow for the ERISA required minimum contribution to the pension funds and provide post-retirement benefits (medical, Medicare Part B, and life insurance) for former contractor retirees from the Rocky Flats Plant.

**United States Enrichment Corporation (USEC) Facilities** **17,100** **12,300**

The funding requested for FY 2012 will provide for activities and expenses associated with post-retirement life insurance and medical benefits applicable to retirees and contractor employees with service at the Paducah and Portsmouth Gaseous Diffusion Plants prior to the lease agreement between USEC and DOE in July 1993. This scope was expanded to include retired employees working at the Gaseous Diffusion Plants prior to the date of USEC privatization and as further defined by the Memorandum of Agreement (MOA) between the Office of Management and Budget (OMB) and USEC, dated April 6, 1998. Funding for FY 2012 will provide post-retirement benefits (medical and life insurance) for former contractor retirees from the USEC Plants.

This funding does not include benefits to former DOE contractor employees covered by the Uranium Enrichment Decontamination and Decommissioning Fund.

**Yucca Mountain Site Office** **0** **1,400**

In FY 2012, responsibilities for the Yucca Mountain pensions and post-retirement benefits for former contractor employees will transfer to LM from the former Office of Civilian Radioactive Waste Management.

**Asset Management** **6,090** **8,190**

LM manages thousands of acres of land and other assets. This activity focuses on management of those lands – including administration of leases for property used in program functions – and on

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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reuse or transfer of the real and personal property to other agencies or private interests. Transferring land to a private interest allows the land to be reused productively, reduces the Department's "footprint," and resumes payment of local property taxes. This activity also manages leasing for uranium mining on selected Federal lands in Colorado.

A related cost directly supporting this activity and embedded within the total activity cost is safeguards and security for Legacy Management properties. The costs include protective forces, physical security systems, personnel security, information security, and program management as follows: FY 2010 - \$798K; and FY 2012 - 854K.

**Congressionally Directed, Miamisburg Mound Energy Park**

**Redevelopment**

**Total, Legacy Management**

<b>1,000</b>	<b>0</b>
<b>178,618</b>	<b>157,514</b>

## Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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### Long-Term Surveillance and Maintenance

<ul style="list-style-type: none"> <li>▪ <b>Fernald Site</b></li> </ul>	<b>-1,081</b>
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No significant change

<ul style="list-style-type: none"> <li>▪ <b>Mound Site</b></li> </ul>	<b>+2,326</b>
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The increase is due to the transfer of the Mound Site to LM from the Office of Environmental Management (EM).

<ul style="list-style-type: none"> <li>▪ <b>Pinellas Site</b></li> </ul>	<b>+102</b>
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No significant change

<ul style="list-style-type: none"> <li>▪ <b>Rocky Flats Site</b></li> </ul>	<b>+891</b>
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No significant change

<ul style="list-style-type: none"> <li>▪ <b>Other Sites</b></li> </ul>	<b>+3,184</b>
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The increase is due to the installation of new monitoring wells. This is a scheduled action and part of LM's long-term surveillance and maintenance plan.

<b>Total, Long-Term Surveillance and Maintenance</b>	<b>+5,422</b>
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<b>Environmental Justice</b>	<b>+200</b>
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No significant change

<b>Archives and Information Management</b>	<b>+3,983</b>
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The increase is due to the transfer of Mound Site records from EM and the FY 2012 scheduled transfer of Yucca Mountain records and other responsibilities from the former Office of Civilian Radioactive Waste Management.

### Pension and Benefit Continuity

<ul style="list-style-type: none"> <li>▪ <b>Fernald Site</b></li> </ul>	<b>-3,400</b>
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The decrease will occur because of a reduction in funding needs for the ERISA minimum contribution to the pension plan.

<ul style="list-style-type: none"> <li>▪ <b>Mound Site</b></li> </ul>	<b>+8,985</b>
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The transfer of the Mound Site from EM adds responsibility to LM for pensions and post retirement benefits for former contractor employees. The funding required in FY 2012 will be satisfied with LM requested FY 2012 appropriated funds in addition to EM FY 2010 Post Closure Administration funds appropriated for activities that included Mound pensions and post-retirement benefit payments.

<ul style="list-style-type: none"> <li>▪ <b>Pinellas Site</b></li> </ul>	<b>-1,900</b>
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The decrease reflects an adjustment of the funding requirements for medical benefits based upon current information.

<ul style="list-style-type: none"> <li>▪ <b>Rocky Flats Site</b></li> </ul>	<b>-32,094</b>
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The decrease reflects a reduction in the ERISA required minimum contribution to the pension plan.

FY 2012 vs. FY 2010 Current Approp (\$000)
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<ul style="list-style-type: none"> <li>▪ <b>USEC Facilities</b>  The decrease reflects a downward adjustment resulting from revised estimates of medical benefit funding requirements.</li> <li>▪ <b>Yucca Mountain Site Office</b>  The increase reflects the transfer of pension and benefit activities from the former Office of Civilian Radioactive Waste Management.</li> </ul>	<b>-4,800</b>  <b>+1,400</b>
<b>Total, Pension and Benefit Continuity</b>	<hr/> <b>-31,809</b>
<b>Asset Management</b> The increase is due to preparation of a report required once every five years and for an annual lease payment that had previously been funded for multiple years.	<b>+2,100</b>
<b>Congressionally Directed, Miamisburg Mound Energy Park Redevelopment</b> Additional funding is not requested for FY 2012.	<b>-1,000</b>
<b>Total Funding Change, Legacy Management</b>	<hr/> <b>-21,104</b>

**Program Direction  
Funding Profile by Category**

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	8,615	9,168
Travel	460	508
Support Services	1,519	1,000
Other Related Expenses	1,590	1,910
Total, Headquarters	12,184	12,586
Full Time Equivalents	58	60

**Mission**

Program direction provides the Federal staffing resources and associated costs required to provide overall direction and execution of the Office of Legacy Management’s activities. Program direction functions include establishing policies and procedures for the program activities and oversight of the contractor workforce involved with long-term surveillance and maintenance, records management, pension and benefit continuity, asset management, and related support actions.

**Detailed Justification**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
<b>8,615</b>	<b>9,168</b>

**Salaries and Benefits**

Staff will perform functions to ensure the objectives under each LM program goal are met. Specifically, this will include: (1) performing required monitoring actions to protect the environment and the public’s health and safety in the vicinity of the sites transferred to LM (many sites are situated in remote locations); (2) administering the Environmental Justice program within the Department; (3) maintaining and accessing records and performing information technology functions associated with the sites managed by LM, including Yucca Mountain records and other responsibilities; (4) reviewing Departmental liability for Comprehensive Environmental Response Compensation and Liability Act (CERCLA) claims; (5) ensuring pension and other post-retirement payments that honor the Department’s responsibilities for former contractor personnel are made, including personnel from the Yucca Mountain site; (6) approving workforce restructuring plans; (7) using delegated authority to manage LM’s real and personal property assets; (8) providing for beneficial reuse, facility and infrastructure management, and facility security for LM assets; and (9) employing the appropriate planning, budgeting, and performance processes to achieve program targets. Although LM is a headquarters program office, substantial staff is located in Grand Junction, CO, and Morgantown, WV, with smaller numbers at several other locations.

As part of the High-Performing Organization (HPO) process, LM constantly evaluates its program functions and the personnel and other administrative requirements needed to conduct those functions. LM determined that the function of labor relations and labor standards would be better managed by the Office of General Counsel (GC). The FY 2012 funding reflects the transfer of those functions to GC accompanied by a transfer of one full-time equivalent (FTE).

**Other Defense Activities/  
Legacy Management/  
Program Direction**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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<b>Travel</b>	<b>460</b>	<b>508</b>
Travel will enable staff to conduct necessary surveillance and maintenance functions, business and site operations, oversight, and related activities.		
<b>Support Services</b>	<b>1,519</b>	<b>1,000</b>
Support services will assist in the preparation of both routine and extraordinary analyses and reports.		
<b>Other Related Expenses</b>	<b>1,590</b>	<b>1,910</b>
Other Related Expenses provides LM's contribution to the Department's Working Capital Fund (WCF) for common administrative services at headquarters, such as rent and building operations, telecommunications, network connectivity, supplies/equipment, printing/graphics, copying, mail, contract closeout, purchase card surveillance, and salary and benefit expenses for federal employees who administer the Working Capital Fund business lines per the Department's new policy being implemented in FY 2012. In addition, WCF services assessed to and used by HQ include online training, the Corporate Human Resource Information System, payroll processing, and the Project Management Career Development Program. Other expenses are for items not encompassed by the working capital fund, e.g., computer software and hardware, E-Government fees, and Corporate Computer Desktop Support (DOECOE).		
<b>Total, Program Direction</b>	<b>12,184</b>	<b>12,586</b>

### Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Appropriation (\$000)
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<b>Salaries and Benefits</b>		
The increase reflects an addition in FY 2012 of two FTEs to handle the Yucca Mountain records and IT activities transferred from the former Office of Civilian Radioactive Waste Management and one FTE for overall accretion of sites. FY 2012 funding also includes the transfer of an FTE to GC to manage labor relations and labor standards.		+553
<b>Travel</b>		
No significant change.		+48
<b>Support Services</b>		
The decrease results from an internal assessment of LM's multi-sector workforce requirements that showed a reduction for contractor support in FY 2012.		-519
<b>Other Related Expenses</b>		
The increase reflects inflationary costs and a change in the Department's policy in FY 2012 to budget salary and benefit expenses related to federal employees who administer the Working Capital Fund business lines through the Department's Program Offices to enable full cost recovery.		+320
<b>Total Funding Change, Program Direction</b>		<b>+402</b>

### Support Services by Category

	(dollars in thousands)	
	FY 2010 Current Approp	FY 2012 Request
Technical Support		
System Definition	154	120
Total, Technical Support	154	120
Management Support		
Manpower Systems Analyses	305	136
Training and Education	160	102
Analyses of DOE Management Processes	200	165
Reports and Analyses Management and General Administrative Services	700	477
Total, Management Support	1,365	880
Total, Support Services	1,519	1,000

### Other Related Expenses by Category

	(dollars in thousands)	
	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Other Services	195	166
Supplies and Materials	175	192
Working Capital Fund	1,220	1,552
Total, Other Related Expenses	1,590	1,910

**Other Defense Activities  
Office of Nuclear Energy**

**Overview**

**Appropriation Summary by Program**

	FY 2010 Current Appropriation	FY 2011 CR	FY 2012 Request
Other Defense Activities Appropriation			
Idaho Sitewide Safeguards and Security	83,358	0	98,500
Total, Other Defense Activities	83,358	83,358	98,500
Nuclear Energy Appropriation			
Integrated University Program	5,000	0	0
Nuclear Power 2010	101,960	0	0
Generation IV Nuclear Energy Systems	212,904	0	0
LWR SMR Licensing Technical Support	0	0	67,000
Reactor Concepts Research, Development and Demonstration	0	0	125,000
Fuel Cycle Research and Development	131,938	0	155,010
Nuclear Energy Enabling Technologies	0	0	97,364
Radiological Facilities Management	71,760	0	64,888
Idaho Facilities Management	172,716	0	150,000
Program Direction	73,000	0	93,133
International Nuclear Energy Cooperation	0	0	3,000
Congressionally Directed Projects	2,500	0	0
Subtotal, Nuclear Energy Appropriation	771,778	786,637	755,395
Transfer from State Department	2,800	0	0
Undistributed, NE	0	0	0
Use of Prior Year Balance	0	0	-1,367
Total, Nuclear Energy Appropriation	774,578	786,637	754,028
Total, Nuclear Energy and Other Defense Activities	857,936	869,995	852,528

**Preface**

The Office of Nuclear Energy (NE) supports the diverse civilian nuclear energy programs of the U.S. Government. NE leads the U.S. Government's efforts to research and develop nuclear energy technologies, including generation, safety, waste storage and management, and security technologies to help meet energy and climate goals. NE uses modeling and simulation capability in addition to work with physical materials to enhance its research capabilities. NE also manages the safe operation and maintenance of the Department's nuclear infrastructure.

Within the Other Defense Activities Appropriation, the Office of Nuclear Energy has one program: Idaho Sitewide Safeguards and Security. The other NE programs are funded within the Nuclear Energy Appropriation.

## **Mission**

NE conducts science-based, goal-oriented research and development (R&D) to develop nuclear energy generation, security, materials, systems, safety, fuel utilization, and waste management technologies and methodologies, and operates and maintains nuclear infrastructure in a safe and compliant manner to support achievement of national energy, climate, and non-proliferation goals. The Idaho Sitewide Safeguards and Security program provides protection of nuclear materials, classified matter, Government property, and other vital assets from unauthorized access, theft, diversion, sabotage, espionage, and other hostile acts that may cause risks to national security, the health and safety of Departmental and contractor employees, the public, or the environment.

## **Benefits**

The Department has the responsibility to maintain the Nation's nuclear infrastructure currently in place. The Idaho Sitewide Safeguards and Security program supports activities that are required to protect the Department's Idaho complex assets from theft, diversion, sabotage, espionage, unauthorized access, compromise, and other hostile acts which may cause unacceptable adverse impacts on national security, program continuity, the health and safety of employees, the public, or the environment.

**Other Defense Activities  
Office of Nuclear Energy**

**Funding by Site by Program**

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Idaho National Laboratory		
Idaho Sitewide Safeguards and Security	83,305	96,198
Idaho Operations Office		
Idaho Sitewide Safeguards and Security	53	2,302
Total, Other Defense Activities	83,358	98,500

**Site Description**

**Idaho National Laboratory**

**Introduction**

The Idaho National Laboratory (INL) is an extensive research and engineering complex and occupies 890 square miles in southeastern Idaho which is 42 miles northwest of Idaho Falls, Idaho. There are nine primary facilities at the INL as well as administrative, engineering, and research laboratories in Idaho Falls, Idaho. The Office of Nuclear Energy (NE) is the Lead Program Secretarial Office responsible for the Idaho Operations Office.

**Idaho Sitewide Safeguards and Security**

The Idaho Sitewide Safeguards and Security program provides protection of nuclear materials, classified matter, government property, and other vital assets from unauthorized access, theft, diversion, sabotage, espionage, and other hostile acts that may cause risks to national security, the health and safety of the Department of Energy (DOE) and contractor employees, the public, or the environment. Program activities include security systems, material control and accountability, information and cyber security, personnel security, and maintenance of a protective force.

**Idaho Operations Office**

**Introduction**

The Idaho Operations Office provides procurement, contract, cooperative agreement, and grant support for NE and other DOE programs.

**Idaho Sitewide Safeguards and Security**

Idaho Operations Office provides logistical support for personnel security investigations conducted by the Federal Bureau of Investigation and OPM for DOE Federal employees and contractors. Idaho Operations Office also works with Federal and local law enforcement on security matters such as weapon purchases and cooperatives agreements.

## Idaho Sitewide Safeguards & Security

### Funding Profile by Subprogram

(dollars in thousand)

FY 2010 Current Appropriation	FY 2012 Request
83,358	98,500

Idaho Sitewide Safeguards & Security

#### Public Law Authorizations:

P.L. 111-85, Appropriations Act (2010)

#### Mission

The mission of the Idaho Sitewide Safeguards and Security (S&S) program is to protect the Department of Energy's (DOE) nuclear materials, classified matter, Government property, and other vital assets at the Idaho National Laboratory (INL) from theft, diversion, sabotage, espionage, unauthorized access, compromise, and other hostile acts that may cause unacceptable adverse impacts on our national security; program continuity; or the health and safety of employees, the public, or the environment.

#### Benefits

This program is designed to support DOE's Security Strategic Goal to protect our national security by safeguarding the INL complex. The safeguards and security function at the INL site complex benefits the INL nuclear facilities infrastructure and site entities by enabling them to fulfill their research and development mission.

#### Annual Performance Results and Targets

The Department is in the process of updating its strategic plan, and has been actively engaging stakeholders including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY12 budget are consistent and aligned. Updated measures will be released at a later date and available at the following link <http://www.mbe.doe.gov/budget/12budget/index.htm>.

#### Means and Strategies

The program will use various means and strategies to achieve its GRPA Unit Program Goal. However, various external factors may impact the ability to achieve these goals. The program also performs collaborative activities to help meet its goals.

The Department will implement the following means:

- Continue planning activities to implement the 2008 Graded Security Protection (GSP) Policy to ensure appropriate protective measures are taken commensurate with risk and consequence.

#### Other Defense Activities/

The Department will implement the following strategies:

- Provide physical protection and maintain operational security systems. Conduct activities to protect classified and sensitive matter by enhancing the INL cyber security compliance, personnel identity verification, and diskless workstation systems verified by semi-annual and annual program reviews.

These strategies will contribute to the efficient and effective management of the program, thus putting the taxpayers' dollars to more productive use.

The following external factors could affect the program's ability to achieve its strategic goal:

- Annual review of the GSP Policy, which is based on current intelligence information and threat assessment, could result in significant changes in GSP requirements. This could affect the Office of Nuclear Energy's (NE) ability to achieve goals on schedule. In addition, significant change in National Security Condition level in response to a national security event would require re-prioritization of resources that could impact the GSP implementation schedule. Finally, acquisition and testing of developmental high technology security systems have the potential to minimize future increases in the number of protective forces personnel, however, these systems are currently being tested in the DOE laboratory environment.

**Idaho Sitewide Safeguards & Security  
Funding Schedule by Activity**

	FY 2010 Current Approp	FY 2012 Request
Idaho Sitewide Safeguards and Security		
Protective Forces	45,825	56,528
Security Systems	10,255	14,406
Information Security	1,736	1,616
Personnel Security	2,170	4,701
Material Control & Accountability	4,837	5,266
Program Management	5,203	5,483
Cyber Security	13,332	10,500
Total, Idaho Sitewide Safeguards and Security	83,358	98,500

**Benefits**

The S&S program provides protection of nuclear materials, classified matter, Government property, and other vital assets at the INL complex from unauthorized access, theft, diversion, sabotage, espionage, and other hostile acts that may cause risks to national security, the health and safety of DOE and contractor employees, the public or the environment. The safeguards and security function at the INL site complex benefits the INL nuclear facilities infrastructure and site entities by enabling them to fulfill their research and development (R&D) mission. It also includes funding for the site-wide cyber security activities, security systems, and other safety measures for the INL complex.

The FY 2012 submission provides direct funding for the S&S base program for NE. Base program costs determined to be allocable (i.e. beneficial to) to Work for Others (WFO) will be paid by WFO via full cost recovery. The costs for WFO-specific security requirements beyond the S&S base program that are specifically requested or driven by the WFO project will be directly charged to those customers as appropriate. The NE Management and Operating Contractor has provided an estimate for full cost recovery of NE S&S activities that support and/or benefit WFO customers for FY 2012, which is provided in the table below. There was no provision for full cost recovery in the FY 2010 Omnibus Appropriation.

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

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Idaho National Laboratory	0	2,939
Total, Idaho Sitewide Safeguards & Security	0	2,939

### Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
------------------------------	--------------------

#### Idaho Sitewide Safeguards and Security

- **Protective Forces** **45,825**      **56,528**

Provides security police officers (SPO's) and other specialized personnel and equipment, training, and management needed during normal and security emergency conditions. Deployment of a full-time protective force to provide 24/7 site coverage requires hiring, training, equipping, and maintaining multiple shifts of SPOs. Funding needs are based on protection strategies designed to ensure adequate protective force staffing levels, equipment, facilities, training, management and administrative support are available to respond to any security incident outlined in site-specific plans. In FY 2010, accomplishments include hired and trained 32 new Security Police Officers and selected candidates for the Protective Force Special Response Team (SRT) training program. In FY 2012, the request provides for continued protection consistent with Departmental security requirements.
- **Security Systems** **10,255**      **14,406**

Provides equipment to protect vital security interests and Government property, including performance testing, intrusion detection and assessment, entry and search control, barriers, secure storage, lighting, sensors, entry/access control devices, locks, explosives detection, and vital components and tamper-safe monitoring. FY 2010 accomplishment include installed and tested several new technologies such as the Vehicle Explosive Detection System and mid- and long-range radar systems.. In FY 2012, the request provides for the maintenance of approximately 4,600 security alarms and 6,100 security locks at multiple INL security areas to ensure 24 hour operation of these systems. The request also provides funds for a one-time cost to replace the site-wide video surveillance system which it at the end of life cycle.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
------------------------------	--------------------

- **Information Security** **1,736**    **1,616**

Provides for the protection and control of classified and sensitive matter that is generated, received, transmitted, used, stored, reproduced or destroyed at the INL. The Classified Matter Protection and Control Program and Operations Security Program ensure that classified and sensitive unclassified matter is appropriately managed and adequately protected and controlled to prevent access by unauthorized individuals and that those individuals that do have access are trained to handle classified matter. In FY 2010, accomplishments include classification review of approximately 9,500 documents and an overall reduction of hard copy classified document holdings. In FY 2012, the request supports base level operations of INL information security programs and coordination with INL R&D program on project-specific security programs.
  
- **Personnel Security** **2,170**    **4,701**

Provides for access to classified and sensitive information and assignment of personnel in sensitive positions through the clearance program, adjudication, security awareness and education, visit control, Human Reliability Program, psychological/medical assessments, and administrative review costs. FY 2010 accomplishments include implemented an new, streamlined approval process for classified foreign national visits. In FY 2012, the requested funds ensure the suitability of INL personnel, visiting U.S and foreign researchers to work in selected sensitive subject areas. Additionally, the request reflects a transfer in the amount of \$1,700,000 from NE's Idaho Facilities Management program to support security investigations performed by the Federal Bureau of Investigation and the OPM. Beginning in FY 2010, the responsibility to fund background investigations contacted by the Federal Bureau of Investigations and the Office of Personnel Management was transferred from the Office of Health, Safety, and Security to NE.
  
- **Materials Control & Accountability** **4,837**    **5,266**

Provides for the personnel, equipment, and services required for the protection of special nuclear material from diversion through determining and documenting the amounts of nuclear materials in packaged items. Specifically supports movements and use of special nuclear material (SNM) for research purposes. In FY 2010, accomplishments include finalized the FY-2010 Nuclear Material Inventory Assessment for the entire inventory of nuclear material held at the INL. In FY 2012, the request continues these activities to track and report SNM movements and one-time cost to replace aging equipment used to support SNM on-site accountability and off-site shipments.
  
- **Program Management** **5,203**    **5,483**

Includes policy oversight, development, and update of security plans, vulnerability assessments, and performance reviews to determine if assets are at risk. Also included are contractor management and administration, planning, and integration of security activities into facility operations. In FY 2010, accomplishments include completed an independent Zero Based Security Review and issued an implementation plan for the Department's 2008 Graded Security Protection Policy. In FY 2012, the request will provide for continued operations, including increasing the number of performance assurance activities (table top exercise, simulations, and force-on-force exercises) consistent with moving to a performance-based assurance program and a one-time cost to enhance security training programs to meet Departmental requirements.

**Other Defense Activities/**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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<ul style="list-style-type: none"> <li> <b>Cyber Security</b> <p>Includes maintaining the minimum security configuration of network computing devices to support classified and unclassified information on the INL. Computing infrastructure is properly protected from loss or compromise utilizing a performance-based, risk-informed application of Federal Desktop Core Configuration regulations and other requirements implementing National Institute of Science and Technology cyber security guidelines while enabling INL to continue to execute its mission. FY 2010 accomplishment include completed the Under Secretary for Energy (USE) Program Cyber Security Plan and Risk Management Framework pilot for classified and unclassified programs in support of the Department’s cyber security reform initiatives. In FY 2012, the request responds to the continuous changing requirements to protect classified and sensitive information from constant cyber attacks, including funds to address federal requirements for continuous system monitoring and reporting, and life-cycle replacement costs for cyber security computer hardware.</p> </li> </ul>	<b>13,332</b> <b>10,500</b>
<b>Total, Idaho Sitewide Safeguards and Security</b>	<b>83,358</b> <b>98,500</b>

### Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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#### Idaho Sitewide Safeguards and Security

<ul style="list-style-type: none"> <li> <b>Protective Forces</b> <p>The increase provides funds to maintain protective force levels for key INL facilities consistent with the recently approved site labor wage agreement and critical protective force training and equipment purchases. The increase also reflects a funds transfer from the Office of Naval Reactors to provide protective force support for the Naval Reactor Facility at INL.</p> </li> </ul>	+10,703
<ul style="list-style-type: none"> <li> <b>Security Systems</b> <p>The increase provides funds to maintain security system reliability through: critical maintenance and/or replacement of badge readers and security screening equipment that have exceeded useful life, life-cycle replacement of servers supporting classified information systems, and \$3,500,000 for a one-time general plant project to replace the site-wide video surveillance system which is at end of life cycle. Replacement of this system with new technology will result in cost and performance efficiencies.</p> </li> </ul>	+4,151

Other Defense Activities/

FY 2012 vs. FY 2010 Current Approp (\$000)
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<ul style="list-style-type: none"> <li> <p>▪ <b>Information Security</b>            The decrease is attributed to efficiencies gained in developing and implementing program- and project-specific information security programs with INL R&amp;D programs, consistent with Departmental requirements.</p> </li> </ul>	-120
<ul style="list-style-type: none"> <li> <p>▪ <b>Personnel Security</b>            The increase supports enhancements to the INL Personnel Security Program to improve timeliness of processing new employees and visiting researchers (U.S. and foreign) for site access, consistent with increasing laboratory research and development activities, annual procurement of badges that were previously funded by the Office of Health, Safety and Security, and a funds transfer from the Idaho Facilities Management program for clearance program costs.</p> </li> </ul>	+2,531
<ul style="list-style-type: none"> <li> <p>▪ <b>Materials Control &amp; Accountability</b>            The increase reflects one-time replacement costs for aging equipment and components used to perform nondestructive assay of special nuclear material shipping containers, improvements to classified information systems to account for nuclear material movements, and additional operational funds to support increase material movements.</p> </li> </ul>	+429
<ul style="list-style-type: none"> <li> <p>▪ <b>Program Management</b>            The increase reflects additional frequency of table top exercises, simulations, and force-on-force exercises to assess and validate site protection strategies, consistent with moving to a performance-based assurance program, and a one-time cost to enhance INL site-wide security training program to meet Departmental requirements.</p> </li> </ul>	+280
<ul style="list-style-type: none"> <li> <p>▪ <b>Cyber Security</b>            The decrease is attributed to reductions in cyber security activities as a result of the Department implementing measured risk management and vulnerability management operations.</p> </li> </ul>	-2,832
<p><b>Total Funding Change, Idaho Sitewide Safeguards and Security</b></p>	<hr style="width: 100%;"/> <b>+15,142</b>

## Capital Operating Expenses Summary

	FY 2010 Current Approp	FY 2012 Request
Idaho Sitewide Safeguards and Security		
General Plant Projects (GPP)	0	3,750
Capital Equipment	67	130
Total, Capital Operating Expenses	67	3,880

## Defense Related Administrative Support

### Funding Schedule by Activity

	FY 2010 Current Approp	FY 2012 Request
Defense Related Administrative Support	122,982	118,836

#### Description

From FY 1999 through 2010, funding has been provided within the Other Defense Activities appropriation to offset funding within the Departmental Administration appropriation. This offset addresses the significant amount of administrative support activities performed within the Departmental Administration appropriation that are of direct benefit to the Department's defense-related programs.

Per direction provided in the FY 2004 Energy Water and Development conference report, the FY 2011 budget request reflects a proportional contribution from Other Defense Activities for Departmental Administration costs. This budget offsets Departmental Administration administrative work that supports the following appropriations: Defense Environmental Cleanup, Defense Nuclear Waste Disposal, and Other Defense Activities. These functions do not duplicate services provided within the Office of the Administrator for the National Nuclear Security Administrative Program. The FY 2012 funding represents 38% of the Departmental Administration appropriation administrative costs.

#### Benefits

The services provided by the offices within Departmental Administration are performed without distinction between defense and non-defense related activities and benefit all headquarters organizations proportionally. These activities include processing personnel actions, building maintenance and operation, payroll and general accounting services, budgeting and funds execution, procurement, project management, information management, legal services, life-cycle asset management, workforce diversity, minority economic impact, policy, international affairs, Congressional and intergovernmental liaison, public affairs, and management of the Working Capital Fund.

## Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
---------------------------	--------------------

**Defense Related Administrative Support** **122,982** **118,836**

The funding request offsets the following expenses within the Departmental Administration Appropriation Account:

- Salaries and benefits include wages, overtime pay, cash incentive awards, lump sum leave payments and other performance awards for about 300 FTEs in areas such as human resources, budget, financial accounting, logistics, national and international energy policy analysis, environmental policy, project management, information management, legal, contract management, property management, congressional and intergovernmental liaison and public and media outreach.
- Support Services finances technical and management support services. The areas of support include information technology support, project control and performance, facilities and infrastructure, strategic planning, independent financial auditing, automated data processing, project management evaluations, delivery of training, operation of the Headquarters technical and law libraries, database maintenance, financial system operations and minimal technical financial support.
- Program Support funding includes a proportionate share of the I-MANAGE system to design and implement new, integrated and user-friendly financial management systems for the Department. These systems will help the Department fulfill its fiduciary responsibilities and meet both internal management and external reporting requirements.
- Program support also supports the Department's cyber security program which provides consistent principles and requirements for Cyber Security that Departmental organizations can implement for the protection of classified and unclassified information, as required by National laws and policies.

## Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
--

### **Defense Related Administrative Support**

The FY 2004 Energy Water and Development Conference report directed the Department to submit budget requests beginning with fiscal year 2005 that reflected a proportional contribution from Other Defense Activities for Departmental Administration costs. The FY 2012 funding represents 38% of the Departmental Administration appropriation administrative costs.

---

-4,146

### **Total Funding Change, Defense Related Administrative Support**

**-4,146**

## Acquisition Workforce Improvement

### Funding Schedule by Activity

Acquisition Workforce Improvement

FY 2010 Current Approp	FY 2012 Request
0	11,892

#### Description

The Administration is committed to improving government contracting and efforts to strengthen our acquisition systems. The FY 2012 budget request reflects this commitment by continuing to improve the capacity and capability of the Department's acquisition workforce. Specifically, the funding in FY 2012 will be utilized to continue to fund additional acquisition personnel and improve the training of our acquisition professionals.

#### Benefits

These resources will allow the Department to supplement and not supplant existing acquisition workforce activities. These resources will be available for training, recruitment, retention and hiring additional members of the acquisition workforce. These resources will improve the Department's ability to strengthen our acquisition workforce and contracting in FY 2012 and in future years.





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

**Overview**

**Appropriation Summary by Program**

	FY 2010 Current Appropriation	FY 2011 CR	FY 2012 Request
Other Defense Activities			
Hearings and Appeals	6,444	6,444	4,142
Total, Other Defense Activities	6,444	6,444	4,142

**Preface**

The Office of Hearings and Appeals (OHA) provides adjudicatory services for DOE’s programs so that disputes may be decided at the agency level in a fair, impartial and efficient manner. OHA supports all DOE themes and goals, including management excellence.

Within the Other Defense Activities Appropriation, OHA operates with two staffs. They are the Personnel Security and Appeals Division, and the Employee Protections and Exceptions Division.

**Mission**

OHA’s mission is to conduct hearings and to issue decisions of the Department with respect to any adjudicative proceeding that the Secretary may delegate. OHA’s jurisdiction includes security clearance hearings, hearings on whistleblower complaints filed by DOE contractor employees, appeals requesting review of any determination reached by any other official within the Department under OHA’s jurisdiction, including Freedom of Information Act (FOIA) appeals, block grant appeals, and requests for exceptions from DOE regulations, including the oil industry reporting and appliance efficiency regulations.

**Benefits**

OHA offers a fair, timely, impartial, and customer-friendly process in which firms and individuals may seek review of agency actions. In personnel security cases, OHA issues timely, high quality and informed decisions to ensure that only trustworthy personnel receive security clearances. OHA’s adjudication of contractor employee whistleblower cases promotes DOE’s policy of encouraging employees to raise safety and other concerns without fear of reprisal. In appeals, OHA reviews a variety of determinations reached by other DOE officials under the Secretary’s jurisdiction. Finally, in exceptions cases, OHA provides an important, regulatory relief valve where the application of a rule or regulation, such as an appliance efficiency regulation, poses a serious hardship, inequity or unfair distribution of burdens.

## **Annual Performance Results and Targets**

The Department is in the process of updating its strategic plan, and has been actively engaging stakeholders including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY12 budget are consistent and aligned. Updated measures will be released at a later date and available at the following link <http://www.mbe.doe.gov/budget/12budget/index.htm>.

## Program Direction

### Funding Profile by Category

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
------------------------------	--------------------

#### Headquarters

Salaries and Benefits	4,598	2,938
Travel	135	90
Support Services	395	0
Other Related Expenses	1,316	1,114
<b>Total, Headquarters</b>	<b>6,444</b>	<b>4,142</b>
Full Time Equivalents	34	27

### Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
------------------------------	--------------------

#### **Salaries and Benefits**

**4,598**

**2,938**

Funding salaries, benefits, cash incentive awards, lump-sum leave payments, Senior Executive Service and other performance awards for 27 FTEs.

- OHA adjudicates personnel security clearance cases.
- OHA adjudicates whistleblower cases involving DOE contractor employees.
- OHA reviews determinations reached by other DOE officials under the Secretary's jurisdiction.
- OHA provides an important, regulatory relief valve for EIA reporting requirements and appliance efficiency regulations.

#### **Travel**

**135**

**90**

The FY 2012 estimate provides funding for official travel to DOE sites to conduct hearings in personnel security and contractor employee protection cases.

#### **Support Services**

**395**

**0**

- Contractor IT employee support for case information management system
- A-76 contractor support for investigations and document management

<b>Other Related Expenses</b>	<b>1,316</b>	<b>1,114</b>
This category includes funding for the following administrative support:		
▪ Working Capital Fund (rent, utilities, telephone, supplies, postage, building operations, photocopies, telecommunications, printing (e.g., federal register notices))	1,104	1,001
▪ DOE Common Operating Environment	160	110
▪ Training	38	0
▪ E-Government Initiatives	2	3
▪ Other Related Expenses	12	0
<b>Total, Program Direction</b>	<b>6,444</b>	<b>4,142</b>

### Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
--

#### Salaries and Benefits

Decrease in salaries and benefits partly attributable to 9 FTEs who will be funded through the Office of Economic Impact and Diversity. -1,660

#### Travel

Decrease of 33% attributable to increased use of televideo conferencing. -45

#### Support Services

Decrease attributable to fact that civil rights function will be funded through the Office of Economic Impact and Diversity and to elimination of contractor IT employee support. -395

#### Other Related Expenses

Decrease partly attributable to 9 FTEs, who will be funded through the Office of Economic Impact and Diversity, as well as increased efficiencies. -202

**Total Funding Change, Program Direction** -2,302

### Support Services by Category

	FY 2010 Current Approp	FY 2012 Request
Technical Support		
Computer Contract Support	95	0
Total, Technical Support	95	0
Management Support	300	0
Total, Support Services	395	0

### Other Related Expenses by Category

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Other Services	52	3
Purchases from Gov. Accounts	160	110
Working Capital Fund	1,104	1,001
Total, Other Related Expenses	1,316	1,114





# **Departmental Administration**



# **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.), including the hire of passenger motor vehicles and official reception and representation expenses not to exceed \$30,000, \$240,623,000 to remain available until expended, 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, to remain available until expended: Provided further, That moneys received by the Department for miscellaneous revenues estimated to total \$111,883,000 in fiscal year 2012 may be retained and used for operating expenses within this account, and may remain available until expended, 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 by the amount of miscellaneous revenues received during 2012, and any related appropriated receipt account balances remaining from prior years' miscellaneous revenues, so as to result in a final fiscal year 2012 appropriation from the general fund estimated at not more than \$128,740,000. (Energy and Water Development and Related Agencies Appropriations Act, 2010.)*

### **Explanation of Change**

Changes are proposed to reflect the FY 2012 funding.



**Departmental Administration**  
**Overview**  
**Appropriation Summary by Program**

	FY 2010 Current Appropriation	FY 2011 CR	FY 2012 Request
Departmental Administration			
Office of the Secretary	5,864	5,864	5,030
Chief Financial Officer	62,981	62,981	53,204
Chief Information Officer	103,063	103,063	85,928
Congressional and Intergovernmental Affairs	4,826	4,826	4,690
Office of Indian Energy Policy and Programs	5,500	5,500	1,500
Economic Impact and Diversity	6,671	6,671	7,473
General Counsel	32,478	32,478	34,642
Office of Human Capital Management	29,537	29,537	23,089
Office of Management	78,456	78,456	62,693
Policy and International Affairs	30,253	30,253	28,872
Public Affairs	4,500	4,500	3,801
Subtotal, Departmental Administration	364,129	364,129	310,922
Cost of Work			
Cost of Work for Others	47,537	47,537	48,537
Revenues	-119,740	-119,740	-111,883
Total, Cost of Work	-72,203	-72,203	-63,346
Defense Related Administrative Support	-122,982	-122,982	-118,836
Total, Departmental Administration	168,944	168,944	128,740

**Preface**

The programs within the Departmental Administration (DA) appropriation support headquarters operations in human resources, administration, accounting, budgeting, program analysis, project management, information management, legal services, life-cycle asset management, workforce diversity, minority economic impact, policy, international affairs, congressional and intergovernmental liaison, and public affairs.

**Mission**

The Departmental Administration appropriation funds 10 DOE-wide management organizations which support headquarters operations in human resources, administration, accounting, budgeting, program analysis, project management, information management, legal services, life-cycle asset management, workforce diversity, minority economic impact, policy, international affairs, congressional and intergovernmental liaison, and public affairs.

Funding for the Office of the Secretary is provided separately from the other administrative functions.. The DA appropriation also budgets for Cost of Work for Others and receives miscellaneous revenues from other Government and Non-Government sources.

The Departmental Administration offices provide essential services to DOE's mission-related programs, serve the Secretary of Energy and protect taxpayer interests. The following highlights outline functions and essential services provided by this account, including:

- Provide the Department with strategic direction, and coordination.
- Coordinate DOE efforts to enhance management of human capital, improve financial performance, expand Electronic Government, Budget and Performance Improvement Initiative, and Federal Real Property Asset Management.
- Perform strategic planning and implement management reforms tied to Accountable Government Initiative, Sustainability and Government Performance and Results Act.
- Provide high level consistent, risk management-based policies and implementation guidance for the protection of cyber assets.
- Provide consistent core training requirements for cyber security professionals, system administrators, senior management and general users.
- Provide Departmental capabilities for cyber incident response, core cyber security architecture, cyber intrusion detection and reporting, and Public Key Infrastructure (PKI) architecture.
- Facilitate communication between the Department and Congress, the Executive Office, state and local Governments and the public.
- Perform financial and accounting functions including producing audited financial statements.
- Maintain DOE-wide policies, procedures, programs, and management systems pertaining to acquisition, financial assistance, personal property management, project management and contractor resource management.
- Provide operational procurement services to headquarters elements.
- Reform processes for project management and acquisition of large facilities to ensure compatibility with mission needs and adherence to project schedules, budgets and performance requirements.
- Ensure that facilities and infrastructure are managed adequately.
- Fulfill DOE's budget mission in terms of timely formulation and oversight of program execution (overhead and uncosted balances).
- Protect Intellectual Property associated with patents, invention disclosures, and waiver requests.
- Work with governors and their staffs, local elected/appointed officials, and Tribal officials to provide information on DOE activities and decisions, elicit their concerns and interests and consider them in DOE decision processes.

- Provide timely notifications to Members of Congress, Governors, and Tribal officials on DOE matters of specific interest or impact and provide timely and full response to their inquiries, requests for information, and constituents' concerns.
- Make effective use of commercial applications and solutions for DOE's enterprise-wide IT infrastructure, link IT investments to DOE strategic goals and the needs of business operations.
- Improve enterprise-wide data sharing.
- Ensure the success of the Working Capital Fund by supplying products and services efficiently to Departmental elements and programs.
- Promote diversity within DOE and throughout the program areas affected by our decisions (including economic impact).
- Provide effective and timely legal services, counsel, and support to Departmental elements.
- Represent DOE before Federal, State, and other Governmental Agencies and Courts.
- Process procurement and personnel actions.

## **Benefits**

Improved DOE facilities management will be realized as the Department continues to convert to performance-based service contracts that incorporate government-wide federal acquisition regulations and standards. DOE project management will meet established goals as project managers complete a rigorous certification program and DOE makes its managers accountable for achieving project and contract cost, schedule, and performance goals. Cost savings will be realized and interface with citizenry enhanced as information technology resources are used to standardize IT platforms across the Department and E-Government initiatives are implemented. Small business will continue to be supported as larger shares of DOE contracts are awarded to small and economically disadvantaged businesses. Citizens will benefit as the Department continues to coordinate and implement key aspects of the President's National Energy Policy.

## **Defense Related Administrative Support**

From FY 1999 through FY 2011, funding has been provided within the Other Defense Activities appropriation to offset funding within the Departmental Administration appropriation. Per direction in the FY 2004 Energy Water and Development conference report, the FY 2012 budget request reflects a proportional contribution from Other Defense Activities for Departmental Administration costs. This funding offsets Departmental Administration administrative work that supports the following defense-related appropriations: Defense Site Acceleration Completion, Defense Environmental Services, Defense Nuclear Waste Disposal, and Other Defense Activities. These functions do not duplicate services provided within the Office of the Administrator for the National Nuclear Security Administrative program.

## Departmental Administration

### Funding by Site by Program

	FY 2010 Current Approp	FY 2012 Request
Idaho Operations Office		
Cost of Work for Others	1,000	1,000
NNSA Service Center		
Chief Information Officer	0	2,000
Cost of Work for Others	7,150	7,150
Total, NNSA Service Center	7,150	9,150
Oak Ridge Operations Office		
Cost of Work for Others	10,005	10,005
Total, Oak Ridge Operations Office	10,005	10,005
Washington Headquarters		
Office of the Secretary	5,864	5,030
Chief Financial Officer	62,981	53,204
Chief Information Officer	100,963	78,122
Congressional and Intergovernmental Affairs	4,826	4,690
Office of Indian Energy Policy and Programs	5,500	1,500
Economic Impact and Diversity	6,671	7,473
General Counsel	32,478	34,642
Management	78,456	62,693
Human Capital Management	29,537	23,089
Policy and International Affairs	30,253	28,872
Public Policy	4,500	3,801
Total, Washington Headquarters	362,029	303,116
Savannah River Operations Office		
Cost of Work for Others	21,570	22,570
Chicago Operations Office		
Cost of Work for Others	6,762	6,762
Richland Operations Office		
Chief Information Officer	2,100	5,500
Cost of Work for Others	550	550
Total, Richland Operations Office	2,650	6,050
National Energy Technology Lab		
Chief Information Officer	0	306
Cost of Work for Others	300	300
Total, National Energy Technology Lab	300	606
National Renewable Energy Lab		
Cost of Work for Others	200	200
Total, National Renewable Energy Lab	200	200
Subtotal, Departmental Administration	411,666	359,459
Associated Revenues	-119,740	-111,883
Transfer from Other Defense Activities	-122,982	-118,836
Total, Departmental Administration	168,944	128,740

## **Departmental Administration Site Description**

### **Chicago Operations Office**

#### **Cost of Work for Others**

Funding finances the cost of products and services requested by non-DOE users, both foreign and domestic. The products and services provided under this program are 1) are a revenue program which results from a budgeted mission of the Department; or, 2) are reimbursable work for non-federal entities (state and local governments, universities, etc.) where the sponsor is precluded by law from providing advance funding.

### **Idaho Operations Office**

#### **Cost of Work for Others**

Funding finances the cost of products and services requested by non-DOE users, both foreign and domestic. The products and services provided under this program are 1) are a revenue program which results from a budgeted mission of the Department; or, 2) are reimbursable work for non-federal entities (state and local governments, universities, etc.) where the sponsor is precluded by law from providing advance funding.

### **National Energy Technology Laboratory**

#### **Chief Information Officer**

The Software Engineering Institute provides advanced analysis and detailed reports of attacks and threats facing the Department's computer networks. Funds provided by the Office of the Chief Information Officer will enable SEI subject matter experts and DOE Incident Responders to continue their collaborative efforts, raise awareness of threats and enhance DOE analysis capabilities.

#### **Cost of Work for Others**

Funding finances the cost of products and services requested by non-DOE users, both foreign and domestic. The products and services provided under this program are 1) are a revenue program which results from a budgeted mission of the Department; or, 2) are reimbursable work for non-federal entities (state and local governments, universities, etc.) where the sponsor is precluded by law from providing advance funding.

### **NNSA Service Center**

#### **Chief Information Officer**

Funding supports cyber security incident response, analytic support, and tool development for the Office of the Chief Information Officer. Funds provided will support network traffic analysis, incident trending, and analytical tool development. In addition, funds provide the infrastructure for many of the incident response related services, including the Ticketing system, OOU Website (Aware), and the Silc server (OOU Chat).

#### **Cost of Work for Others**

Funding finances the cost of products and services requested by non-DOE users, both foreign and domestic. The products and services provided under this program are 1) a revenue program which results from a budgeted mission of the Department; or, 2) reimbursable work for non-federal entities (state and local governments, universities, etc.) where the sponsor is precluded by law from providing advance funding.

## **Richland Operations Office**

### **Chief Information Officer**

The Cooperative Protection Program supports and maintains a distributed infrastructure of sensor technologies to identify and analyze attacks against DOE computer networks. Funds provided by the Office of the Chief Information Officer will support maintenance activities and scheduled upgrades of sensors throughout the DOE Enterprise. Funds also support an analysis and threat sharing capability that is available to all DOE operating units.

#### **Cost of Work for Others**

Funding finances the cost of products and services requested by non-DOE users, both foreign and domestic. The products and services provided under this program are 1) a revenue program which results from a budgeted mission of the Department; or, 2) reimbursable work for non-federal entities (state and local governments, universities, etc.) where the sponsor is precluded by law from providing advance funding.

## **Savannah River Operations Office**

### **Cost of Work for Others**

Funding finances the cost of products and services requested by non-DOE users, both foreign and domestic. The products and services provided under this program are 1) a revenue program which results from a budgeted mission of the Department; or, 2) reimbursable work for non-federal entities (state and local governments, universities, etc.) where the sponsor is precluded by law from providing advance funding.

## **Oak Ridge Operations Office**

### **Cost of Work for Others**

Funding finances the cost of products and services requested by non-DOE users, both foreign and domestic. The products and services provided under this program are 1) a revenue program which results from a budgeted mission of the Department; or, 2) reimbursable work for non-federal entities (state and local governments, universities, etc.) where the sponsor is precluded by law from providing advance funding.

## **Washington Headquarters**

Funding provides for salaries, benefits, travel, training, support services and overhead expenses for the full time equivalent employees funded within the Departmental Administration appropriation.

## **Performance Measures**

The Departmental Administration (DA) offices enable the Department to carry out its mission by providing sound department-wide management. In support of the Department's strategic theme "Management Excellence," the DA offices are developing key initiatives designed to assist DOE senior leadership in achieving the Department's strategic goals. These initiatives include improving the effectiveness and efficiency of recruiting and retaining talented and qualified federal employees; the cost-effective and sustainable upgrading, renovation, and replacement of outdated facilities; and the continual improvement of financial system and processes through the integration of business management processes throughout DOE. The DA offices also support these initiatives by managing information technology, providing sound legal advice, developing and implementing department-wide program policy and procedures consistent with statutes, regulations and Executive direction, maintaining the health and safety of our employees and facilities, and providing sound accurate information to the President, Congress and the public.

**Office of the Secretary**  
**Program Direction**  
**Funding Profile by Category**

	FY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	5,329	4,495
Travel	529	529
Other Related Expenses	6	6
Total, Headquarters	5,864	5,030
Full Time Equivalents	34	34

**Mission**

The Office of the Secretary provides leadership and policy direction to the Department of Energy in fulfilling its mission to advance the national economic and energy security of the United States; to promote scientific and technological leadership and innovation in support of that mission; and to ensure the environmental cleanup of the national nuclear weapons complex.

These efforts will be accomplished through:

- **Science and Discovery:** Investing in science to achieve transformational discoveries by focusing on transformational science; developing science and engineering talent by attracting and retaining the most talented researchers and training the next generation of scientists and engineers; and collaborating universally to partner globally, support the developing world and build research networks across departments, government, the nation and the globe.
- **Clean Energy:** Developing and deploying clean, abundant, domestic energy by making breakthroughs in developing clean, safe, low-carbon energy supplies; developing digital network control, transmission, distribution and storage breakthroughs; and driving change in the achievement of significant energy efficiency in the home, at work and on the road.
- **Economic Prosperity:** Creating millions of green jobs and increasing competitiveness by reducing energy demand; deploying mature, low-carbon clean energy technologies; building an efficient and smart network; enabling responsible domestic production of oil and natural gas; and creating and educating a green workforce.
- **National Security and Legacy:** Maintaining nuclear deterrent and preventing proliferation by strengthening non-proliferation activity; ensuring a safe, secure and reliable U. S. nuclear weapons stockpile without testing; and completing the environmental legacy clean-up.

- Climate Change: Positioning the United States to lead on climate change through movement into leadership positions in global climate change negotiations and solutions; deployment of technology solutions globally; and the advancement of climate science understanding.
- Managing the Department's human, financial, facilities, infrastructure and technical resources; demonstrating significant progress in resolving DOE's management challenges; and resolving all management recommendations from DOE's Inspector General and the Government Accountability Office.

Within the Office of the Secretary, the Under Secretary of Energy supports the Secretary by overseeing six major program offices:

- Office of Energy Efficiency and Renewable Energy (EERE)
- Office of Fossil Energy (FE)
- Office of Nuclear Energy (NE)
- Office of Electricity Delivery and Energy Reliability (OE)
- Office of Environment Management (EM)
- Office of Legacy Management (LM)

The goal of the Office of the Under Secretary of Energy is to ensure coherent coordination among the research, development, demonstration and deployment (RDD&D) activities across these programs. The Under Secretary's office is integrating the planning and execution of each program office's mission-driven work and administrative processes such that the whole is greater than the sum of the parts. The Office of the Under Secretary of Energy is working with program offices to identify barriers to achieving technical targets and long-term deployment goals, and the programs offices are aligning their activities to address these barriers. The results of the planning process will inform decisions on the Department's RDD&D investments in FY 2012 and beyond. In addition, the Under Secretary of Energy is working to improve the way the Energy and Environment offices manage the RDD&D enterprise by examining how funding is allocated to various activities across the RDD&D spectrum, to whom (major recipient classes include industry, universities, national labs, and State and local governments), and how well the process is working for selecting qualified recipients through external peer review and achieving results. Sharing and standardizing best practices will lead to better quality of the RDD&D enterprise, as well as better and faster results.

Also within the Office of the Secretary, the Under Secretary for Science serves as the Secretary's science and technology advisor, monitors the Department of Energy's research and development programs, and advises the Secretary on any gaps or duplications in them. The Under Secretary supports the Secretary by providing advice on the management and the state of the national laboratories overseen by the Department. The Under Secretary also advises the Secretary on the Department's educational and training activities, coordinating and planning of research activities, financial assistance for research activities, and carries out additional duties assigned by the Secretary.

## Detailed Justification

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
<b>Salaries and Benefits</b>	<b>5,329</b>	<b>4,495</b>
Provides funding in FY 2012 for 34 full time equivalents in the Office of the Secretary, Deputy Secretary, Under Secretary, and the Under Secretary for Science to include salaries and wages, overtime pay, cash incentive awards, lump sum leave payments, and performance awards.		
<b>Travel</b>	<b>529</b>	<b>529</b>
Provides funding for the Secretary, Deputy Secretary, Under Secretary, Under Secretary for Science, and special assistants to travel both internationally and domestically in support of the Department's missions.		
<b>Other Related Expenses</b>	<b>6</b>	<b>6</b>
Provides funding for employee training and development.		
<b>Total, Program Direction</b>	<b>5,864</b>	<b>5,030</b>

### Explanation of Funding Changes

	FY 2012 vs. FY 2010 Current Approp (\$000)
<b>Salary and Benefits</b>	
Decrease is the result of pay freeze.	
	<b>-834</b>
<b>Total Funding Change, Program Direction</b>	<b>-834</b>

### Other Related Expenses by Category

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Training	6	6
Total, Other Related Expenses	6	6



**Office of the Chief Financial Officer  
Program Direction**

**Funding Profile by Category**

	FY 2010 Current Approp	FY2012 Request
Headquarters		
Salaries and Benefits	33,837	32,697
Travel	450	255
Support Services	2,800	1,384
Other Related Expenses	25,894	18,868
Total, Headquarters	62,981	53,204
Full Time Equivalents	246	243

**Mission**

The Office of the Chief Financial Officer (CFO) assures the effective management and financial integrity of DOE programs, activities, and resources by developing, implementing, and monitoring Department-wide policies and systems in the areas of budget administration, program analysis and evaluation, finance and accounting, internal controls, corporate financial systems, cost analysis, and strategic planning.

**Detailed Justification**

	FY 2010 Current Approp	FY2012 Request
<b>Salaries and Benefits</b>	<b>33,837</b>	<b>32,697</b>
Provides for the payment of salaries and related expenses for a Federal staff of 249 full time equivalent employees (FTEs).		
<b>Travel</b>	<b>450</b>	<b>255</b>
Supports the travel of the CFO employees for review of programs, coordination with field activities, and training and development programs. It also supports travel by congressional committee staff members for information gathering and oversight.		
<b>Support Services</b>	<b>2,800</b>	<b>1,384</b>
Finances advisory and assistance contractual services across the entire CFO organization. The areas of support include management and professional support services, actuarial studies, administrative support, project management support, portfolio analysis, corporate modeling, strategic planning, and a corporate program evaluation capability.		

FY 2010 Current Approp	FY2012 Request
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<b>Other Related Expenses</b>	<b>25,894</b>	<b>18,868</b>
<ul style="list-style-type: none"> <li>▪ <b>DOE COE/EXCITE</b> <b>1,058</b> <b>1,058</b> Finances DOE COE and related IT services.</li>   <li>▪ <b>Working Capital Fund</b> <b>5,636</b> <b>5,700</b> Finances services purchased from Working Capital Fund businesses including building occupancy, supplies, mail, printing, telephones, networking, payroll processing, and other administrative business lines.</li>   <li>▪ <b>Other Services</b> <b>3,200</b> <b>310</b> Finances the acquisition of goods and services in support of the CFO’s mission that are not classified as support services. This includes systems infrastructure and applications support; maintenance of equipment; information technology materials such as printers, memory upgrades, scanners, and fax machines; and staff training. Funding may also be used for personnel security investigations beginning in FY 2010. The funding also finances training opportunities through the Financial Management Development Program (FMDP).</li>   <li>▪ <b>iManage Development and Integration</b> <b>16,000</b> <b>11,800</b> iManage Development and Integration provides the Department with modern, comprehensive and responsible financial management and budget, human resources, procurement, and travel services systems. Funding will provide for the continued development and implementation of a Standard Budget System, post-deployment activities for the Strategic Integrated Procurement Enterprise System, enhancements to interfaces and a major software upgrade for the Standard Accounting and Reporting System, and expansion of data sources and enhancements to interfaces for the Department’s Integrating Business Management System Data Warehouse. It also provides for initial migration costs of the Department’s financial and human resources systems to the E-Government Financial Management and Human Resources Lines of Business solution consistent with the Department of Energy’s E-Government Implementation Plan.</li> </ul>		
<b>Total, Program Direction</b>	<b>62,981</b>	<b>53,204</b>

## Explanation of Major Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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### Salaries and Benefits

Decrease reflects \$1,914 transfer of the responsibility for Working Capital Fund federal salaries and benefits; \$774 is off-set by anticipated increase for promotions and within-grade adjustments.

-1,140

### Travel

This reflects a decrease in travel due to a focus on video and telephone conferencing.

-195

### Support Services

Decrease reflects the reduction of support service activities associated with portfolio analysis, corporate modeling, administrative support, and other related support services.

-1,416

### Other Related Expenses

This decrease reflects a planned reduction in iManage developmental activities and a reduction in low priority initiatives in Other Services.

-7,026

### Total Funding Change, Program Direction

**-9,777**

## Support Services by Category

	FY 2010 Current Approp	FY2012 Request
Support Services		
Advisory & Assistance Contractual Services	2,400	984
Other purchases of goods and services from Government Accounts	400	400
Total, Support Services	2,800	1,384

**Other Related Expenses by Category**

	FY 2010 Current Approp	FY2012 Request
Other Related Expenses		
Other Services	3,200	310
DOE/COE	1,058	1,058
iManage Development and Integration	16,000	11,800
Working Capital Fund	5,636	5,700
Total, Other Related Expenses	25,894	18,868

## Chief Information Officer

### Funding Profile by Subprogram

	FY 2010 Current Appropriation	FY 2012 Request
Chief Information Officer		
<i>Corporate IT Program Support (new)</i>	0	27,379
Corporate Management Information Program	9,403	0
Energy Information Technology Services	22,149	0
Advanced Technology and System Integration	0	0
Cyber Security	33,365	21,934
Program Direction	38,146	36,615
Total, Chief Information Officer	103,063	85,928

#### **Public Law Authorizations:**

Public Law 84-863: 'Budget and Accounting Procedures Act of 1950'  
 Public Law 99-177: 'The Balanced Budget and Emergency Deficit Control Act of 1985'  
 Public Law 103-62: 'Government Performance Results Act of 1993'  
 Public Law 104-106: 'Clinger-Cohen Act of 1996'  
 Public Law 104-208: 'Federal Financial Management Improvement Act of 1996'  
 Public Law 105-277: 'Government Paperwork Elimination Act of 1998'  
 Public Law 107-190: 'Federal Information Security Management Act of 2002'  
 Public Law 107-289: 'Accountability of Tax Dollars Act of 2002'  
 Public Law 107-347: 'The E-Government Act of 2002'  
 Public Law 108-494: 'Commercial Spectrum Enhancement Act of 2004'

#### **Mission**

The Office of the Chief Information Officer provides advice and assistance to the Secretary of Energy and other senior managers to ensure that information technology is acquired and information resources are managed in a manner that complies with statutory policies and procedures including the Paperwork Reduction Act, Federal Information Security Management Act, Clinger-Cohen Act, and the priorities established by the Secretary.

Additional functions include:

- Coordinate and articulate a shared vision and corporate perspective among the Department's information activities and champion Departmental initiatives to effectively manage information and to provide for corporate systems that add value to the businesses of the Department.
- Provide required information on information technology to the public including posting Exhibit 300 Business Case Summaries for all major DOE-funded information technology investments at

<http://cio.energy.gov/it-capital-planning.htm>. Promote effective Departmental operations by encouraging performance-based management and, where appropriate, facilitate the restructure of mission-related processes before making significant information technology investments to improve the performance and cost-effectiveness of the Department's information management activities.

- Define and implement policies, procedures, and guidelines to ensure efficient, economical and effective information management planning and acquisition planning in support of the Department of Energy's mission and objectives.

### **Benefits**

Within the Departmental Administration Appropriation, the Office of the Chief Information Officer provides the following corporate activities:

- Formulates and articulates a vision of the Department's information management structure aligned with the Department's strategic plan and mission.
- Assesses the Department's Program and Staff Offices capabilities, in the context of their strategic and tactical plans, to ensure their information and information technology requirements are aligned with their mission objectives and goals.
- Establishes standards and guidelines to maximize information and information system integration.
- Provides assistance and guidance in cyber/computer security to all Departmental elements.
- Coordinates planning for major information and information technology investments and assists in the development and application of programmatic performance measures for those investments.
- Advocates the creation, collection, and use of information as a corporate asset and serve as the key advocate for information technology capital planning.

### **Annual Performance Results and Targets**

The Department is in the process of updating its strategic plan, and has been actively engaging stakeholders including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY12 budget are consistent and aligned. Updated measures will be released at a later date and available at the following link <http://www.mbe.doe.gov/budget/12budget/index.htm>.

## Corporate IT Program Support

### Funding Schedule by Activity

	FY 2010 Current Approp	FY 2012 Request
Corporate IT Program Support (NEW)		
Corporate Management Information Program	0	8,092
Information Technology Support Services	0	18,891
Advanced Technology and System Integration	0	396
Total, Corporate IT Program Support	0	27,379

### Benefits

Starting with FY 2012 The Office of the Chief Information Officer has combined our current Corporate Management Information Program, Energy Information Technology Services, and Advanced Technology and System Integration activities into a new program element called Corporate IT Program Support. We are proposing this realignment of activities to gain greater operational efficiency during the execution of the budget. The proposed structure incorporates all of the activities previously performed by the program.

Within the Departmental Administration Appropriation, the Office of the Chief Information Officer provides the following corporate activities:

- Formulates and articulates a vision of the Department's information management activities aligned with the Department's strategic plan and mission.
- Assesses the Department's Program and Staff Offices capabilities, in the context of their strategic and tactical plans, to ensure their information and information technology requirements are aligned with their mission objectives and goals.
- Establishes standards and guidelines to maximize information and information system integration.
- Provides assistance and guidance in cyber/computer security to all Departmental elements.
- Coordinates planning for major information and information technology investments and assists in the development and application of programmatic performance measures for those investments.
- Advocates the creation, collection, and use of information as a corporate asset and serve as the key advocate for information technology capital planning.

## Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Corporate Management Information Program** 0 8,092

**Enterprise Architecture Program** 0 3,500

In order to support sound information technology management agency-wide and to meet the requirements of the Clinger-Cohen Act, the OCIO has implemented core Departmental information technology management processes including Enterprise Architecture. This funding line supports the ongoing enhancement and implementation of this essential information technology management process.

**Corporate Planning Investment Control Program** 0 3,842

In order to support sound information technology management agency-wide and to meet the requirements of the Clinger-Cohen Act, the OCIO has implemented core Departmental information technology management processes including IT Capital Planning and Investment Control. This funding line supports the ongoing enhancement and implementation of this essential information technology management process.

**DOE IT Modernization** 0 250

This initiative is the Department's primary implementing tool to ensure that specific investments identified by the E-Government Strategy are funded. The primary focus is to ensure that the 'highest value' E-Government initiatives are implemented, resulting in fewer duplicative information technology systems and delivering higher quality citizen-centric services.

**Records Management** 0 500

This activity provides agency-wide policy and oversight responsibility for management of the Department's records. In compliance with the Federal Records Act, this program ensures that the Department of Energy adequately documents its missions and functions, policies, procedures, and decisions and preserves its historically valuable records.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Information Technology Support Services**

**0      18,891**

**Cyber Security**

**0      1,459**

Provides support services for EITS. Cyber security services encompass the range of security and technical disciplines necessary to support the DOE IT corporate enterprise and its customers. Benefits include economies of scale, asset management, reduced capital and operation costs, strengthened cyber security, and enhanced efficiency thus allowing customers to focus on their primary business missions. It includes Certification and Accreditation (C&A), Designated Approval Authority (DAA), Two-Factor Authentication assistance, Privacy impact assessments, etc.

**Information Technology Business Management**

**0      2,214**

Provides support services for Customer Service Management, Marketing and Business Management capabilities focused on keeping existing customers and identifying and capturing new ones. Required to keep customers and internal management informed of our business and financial viability for information technology asset management, field management, business management, and customer reporting portal.

**Energy Information Technology Services Program Management**

**0      2,730**

Serves as the centralized financial planning, tracking, and reporting; bill preparation and distribution; budget forecasting; and funding status management function for EITS. It provides support services for Bill Preparation, Bill Validation, Task Forecasting, and Task Execution responsibilities. It oversees and integrates work break down structure and funding sources and ensures that the service providers accurately and completely report the data on the customer and assists in the generation of the bills necessary to collect funds to pay for the services provided. Also provides services for implementation of Information Technology Infrastructure Library.

**Technology R&D (Engineering)**

**0      2,383**

Provides support services for Technology R&D in serving as DOE's core Product Engineering, SW Development and Architecture Solution capability for EITS. It is principally a product line management function that performs solution option analysis, product design, site road map planning and management, and web technology deployment and support. Operates in a collaborative environment to coordinate and incorporate the technology innovations of the market with the needs of the EITS customers, and ensures technologies interoperate and align with EITS' core architectural direction and standards.

**Data Network Modernization Project**

**0      5,187**

DOE's data network system at Headquarters are reaching the end or beyond the planned system life cycle with rising maintenance costs, inadequate security features and increasing scarce technically qualified support service availability. Digital convergence and convergence of voice and data into a single wiring infrastructure is the predominant replacement service for the future.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Service Catalog Products and Services** **0** **4,918**

EITS Service Catalog Products and Services manage all services, large or small. It provides support services in Service Delivery and Support in Cyber Operations, Application Hosting Environment, Desktop Services, IT Professional Services, Voice/Data/Video Services, and Network Services in EITS mission. It is the core EITS Service Delivery and Support unifying function for all EITS services provided to customers.

**Advanced Technology and Systems Integration** **0** **396**

**Advanced Technology and Services** **0** **396**

This activity conducts outreach across the Department and Government to help match computing resources with current and emerging Departmental requirements and to stimulate innovative uses of technology to improve mission execution.

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**Total, Corporate IT Program Support** **0** **27,379**

**Explanation of Funding Changes**

FY 2012 vs. FY 2010 Current Approp (\$000)
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**Enterprise Architecture Program**

Activity was previously funded through the Corporate Management Information Program Decision Unit. +3,500

**CPIC Program**

Activity was previously funded through the Corporate Management Information Program Decision Unit. +3,842

**DOE IT Modernization**

Activity was previously funded through the Corporate Management Information Program Decision Unit. +250

**Records Management**

Activity was previously funded through the Corporate Management Information Program Decision Unit. +500

<b>Cyber Security</b>	
Activity was previously funded through the Energy Information Technology Services Decision Unit.	+1,459
<b>Information Technology Business Management</b>	
Activity was previously funded through the Energy Information Technology Services Decision Unit.	+2,214
<b>EITS Program Management</b>	
Activity was previously funded through the Energy Information Technology Services Decision Unit.	+2,730
<b>Technology R&amp;D (Engineering)</b>	
Activity was previously funded through the Energy Information Technology Services Decision Unit.	+2,383
<b>Data Network Modernization Project</b>	
Activity was previously funded through the Energy Information Technology Services Decision Unit.	+5,187
<b>Service Catalog Products and Services</b>	
Activity was previously funded through the Energy Information Technology Services Decision Unit.	+4,918
<b>Advanced Technology and Systems Integration</b>	
New activity line item in FY 2012, this funding will provide for additional contractor support focusing on the areas of cloud computing and Green IT Technology.	+396
<b>Total Funding Change, Corporate IT Program Support</b>	<b>+27,379</b>

## Cyber Security

### Funding Schedule by Activity

	FY 2010 Current Approp	FY 2012 Request
Cyber Security		
Enterprise Services	6,421	1,757
The Policy, Guidance, and Planning	12,208	2,549
Program Support and Special Projects	2,230	1,924
Incident Management	12,506	15,704
Cyber Security Tools and Solutions	0	0
Total, Cyber Security	33,365	21,934

#### Benefits

The performance objectives for the Department of Energy information systems (including information systems storing, transmitting and/or processing Department of Energy information) are externally mandated through the Federal Information Security Management Act, Office of Management and Budget instructions, and standards established by the appropriate bodies overseeing the regulation of unclassified, classified, intelligence and/or Restricted Data maintained in the information system. Reduced to their most common elements, these external requirements include the need to make risk-based investments in cyber security processes and tools that provide management, operational, and technical controls supporting these beneficial objectives: (1) Uninterrupted availability of information system resources, and (2) Confidentiality and integrity of information systems and their contents.

The Office of Cyber Security develops cyber security policies and procedures that comply with statutory and regulatory requirements; responds to external reporting requirements such as the Federal Information Security Management Act of 2002; provides cyber security training; administers compliance with National Communications and Telecommunications Security policies; and provides technical and computer forensic services to Department of Energy components.

The Program Goals of the Office of Cyber Security will be accomplished not only through the efforts of the direct (GPRA Unit) programs but with additional efforts from subprograms which support the GPRA Units in carrying out their mission.

## Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Enterprise Services**

**6,421      1,757**

The Enterprise Services Program coordinates and supports Federally mandated program efforts for the Department: IT security configuration management support; automated security metrics reporting, security assessment tools; and program management for smart card deployment (HSPD-12). Each service area provides subject-matter expertise and management assistance to Under Secretary Organizations and their management and operations contractors in implementing cyber security management consistent with Departmental policy. Enterprise Services also provides senior Federal staff expertise to Under Secretary Organizations to bolster leadership on cyber security and implementation of Departmental cyber security programs.

**The Policy, Guidance, and Planning**

**12,208      2,549**

The Policy, Guidance and Planning program promulgates and provides for the mission-specific adaptation of Federal cyber security requirements to the Department’s Under Secretary organizations. As required by the Federal Information Security Management Act (FISMA), this program provides direction and support for cyber security awareness and training, including role-based training for personnel with significant responsibilities for information security. The program provides strategic and action planning as well as outreach assistance to the Department’s field elements and coordinates all cyber security-related Congressional, OMB, GAO and IG reporting and responses for the Department. The program delivers FISMA-required, performance assurance by verifying, validating, and analyzing cyber data collected from across the agency.

**Program Support and Special Projects**

**2,230      1,924**

Program Support and Special Projects supports the senior agency information security officer in developing and maintaining an agency-wide information security program. The program coordinates the Department's interaction and response for all Presidential, Secretarial, Homeland Security and Director of National Intelligence cyber security initiatives.

**Incident Management**

**12,506      15,704**

The Incident Management (IM) Program is the Department's enterprise cyber defense and response capability, providing vital threat detection, enterprise awareness, forensic analysis and interagency reporting capability to ensure a coordinated response to an ever-increasing level of cyber attacks. IM impacts all elements of IT operations, consolidating and correlating security event information from all DOE Organizations and sites. IM combines multiple Departmental incident-related services into a single, comprehensive service that focuses on threat information sharing, critical infrastructure protection, active defense and incident preparedness. This Division also oversees the planning, implementation and oversight of the Department’s Telecommunication Security Program, which includes providing and tracking mandatory training, conducting inspections, and serving as the Department’s communications security (COMSEC) custodian.

**Subtotal, Cyber Security**

**33,365      21,934**

Departmental Administration/  
Chief Information Officer/  
Cyber Security

## Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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### Enterprise Services

Elements of a portfolio of Enterprise cyber security tools and professional services for automated reporting, configuration management and situational awareness will be scaled back. Specific reductions are in the areas of automated FISMA and Certification and Accreditation reporting, desktop security configuration software for the Federal Desktop Core Configuration (FDCC) initiative and an Enterprise licensed network vulnerability scanner. The impact of the reductions is thought to be low as many DOE sites that were receiving these services have either opted out of the automated reporting and configuration management solution or requested funding within their own budgets to fulfill any drop off in service coverage or capability.

-4,664

### The Policy, Guidance, and Planning (PG&P)

Efforts to establish, implement and raise awareness of Departmental Cyber Security Policy will be reduced. Outreach efforts to provide training and professional certifications to individuals with significant security responsibilities will be reduced.

-9,659

### Program Support and Special Projects

Decrease due to the expected completion of the DOE Enterprise Cyber Security Architecture. As such, contractor support in this area will be reduced by one (1) FTE.

-306

### Incident Management

Actions identified in the DOE Cyber Security Revitalization plan have been completed and are now entering ongoing operational phase.

+3,198

### Total Funding Change, Cyber Security

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**-11,431**

## Corporate Management Information Program

### Funding Schedule by Activity

	FY 2010 Current Approp	FY 2012 Request
Corporate Management Information Program		
Architecture and Planning	6,148	0
Modernization Initiatives	3,255	0
Total, Corporate Management Information Program	9,403	0

#### Benefits

The Program provides funding for key elements of information technology modernization and management in the Department of Energy. It provides funding for the development and maintenance of two core information technology management processes: 1) Enterprise Architecture and; 2) Information Technology Capital Planning and Investment Control. Additionally, it provides modernization funding to enable the Department to leverage E-Government opportunities and support infrastructure improvements.

The Corporate Management Information Program is the Department of Energy's corporate initiative to maintain and improve corporate information systems. The Corporate Management Information Program provides the Department with a managed, centralized, and cost-effective way to modernize the Department of Energy's corporate business systems.

The Program Goals of the Corporate Management Information Program will be accomplished not only through the efforts of the direct (GPRA Unit) programs but with additional efforts from subprograms which support the GPRA Units in carrying out their mission.

**Detailed Justification**

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
<b>Architecture and Planning</b> Transferred to Corporate IT Program decision unit.	<b>6,148</b>	<b>0</b>
<b>Department of Energy Information Technology Modernization Initiatives</b> Transferred to Corporate IT Program decision unit.	<b>3,255</b>	<b>0</b>
<b>Total, Corporate Management Information Program</b>	<b>9,403</b>	<b>0</b>

**Explanation of Funding Changes**

	FY 2012 vs. FY 2010 Current Approp (\$000)
<b>Architecture and Planning</b> Transferred to Corporate IT Program decision unit.	-6,148
<b>Modernization Initiatives</b> Transferred to Corporate IT Program decision unit.	-3,255
<b>Total Funding Change, Corporate Management Information Program</b>	<b>-9,403</b>

## Energy Information Technology Services

### Funding Schedule by Activity

	FY 2010 Current Approp	FY 2012 Request
Energy Information Technology Services		
Information Strategy Innovation Office	56	0
Systems Development and Engineering	1,108	0
Information Operations Support	10,739	0
Operational Cyber Security	3,030	0
CIO Contracted Service	1,024	0
Department of Energy Common Operating Environment	1,192	0
Converged Networks	5,000	0
Information Technology Management (NEW)	0	0
Total, Energy Information Technology Services	22,149	0

#### Benefits

Formally located within Office of the Chief Information Officer's Program Direction and Corporate Management Information Program decision unit, new decision unit was established in FY 2010 to recognize the importance of this function as a key mission component of the OCIO.

The Office of the Chief Information Officer's Office of Information Technology Support Services (ITSS) provides information technology support for DOE's Federal employees as well as direct support contractors.

This office is responsible for delivery and execution as well as support of information technology services provided to the Federal employees and direct support contractors. It manages, delivers, operates, and maintains Department-wide information technology and infrastructure services in the most cost efficient and operational effective way to ensure corporate-wide stewardship of DOE information technology resources in accordance with plans.

## Detailed Justification

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
<b>Information Strategy and Innovation Office</b>	<b>56</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
<b>Systems Development and Engineering</b>	<b>1,108</b>	<b>0</b>
▪ <b>Application Development and Software Engineering</b>	<b>724</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
▪ <b>Web Site Development and Maintenance</b>	<b>384</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
<b>Information Technology Operations Support</b>	<b>10,739</b>	<b>0</b>
▪ <b>Inventory Control</b>	<b>166</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
▪ <b>User Support and Workstation Management</b>	<b>2,199</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
▪ <b>IT Facilities Management and Physical Security</b>	<b>485</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
▪ <b>Server Administration</b>	<b>2,797</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
▪ <b>Emergency Preparedness</b>	<b>4,926</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
▪ <b>Secure Wireless Services</b>	<b>166</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
<b>Operational Cyber Security</b>	<b>3,030</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
<b>CIO Contracted Service Outside Performance Work Statement</b>	<b>1,024</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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<b>Department of Energy Common Operating Environment</b>	<b>1,192</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
<b>Converged Networks</b>	<b>5,000</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
<b>Information Technology Management</b>	<b>0</b>	<b>0</b>
Transferred to Corporate IT Program decision unit.		
<b>Total, Energy Information Technology Services</b>	<b>22,149</b>	<b>0</b>

### Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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<b>Information Strategy and Innovation Office</b>		
Transferred to Corporate IT Program decision unit.		-56
<b>Systems Development and Engineering</b>		
▪ <b>Application Development and Software Engineering</b>		
Transferred to Corporate IT Program decision unit.		-724
▪ <b>Web Site Development and Maintenance</b>		
Transferred to Corporate IT Program decision unit.		-384
<b>Information Technology Support Services</b>		
▪ <b>Inventory Control</b>		
Transferred to Corporate IT Program decision unit.		-166
▪ <b>User Support and Workstation Management</b>		
Transferred to Corporate IT Program decision unit		-2,199
▪ <b>IT Facilities Management and Physical Security</b>		
Transferred to Corporate IT Program decision unit		-485
▪ <b>Server Administration</b>		
Transferred to Corporate IT Program decision unit		-2,797

FY 2012 vs. FY 2010 Current Approp (\$000)
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<ul style="list-style-type: none"> <li>▪ <b>Emergency Preparedness</b>            Transferred to Corporate IT Program decision unit.</li> </ul>	-4,926
<ul style="list-style-type: none"> <li>▪ <b>Secure Wireless Services</b>            Transferred to Corporate IT Program decision unit.</li> </ul>	-166
<b>Operational Cyber Security</b> Transferred to Corporate IT Program decision unit.	-3,030
<b>CIO Contracted Service Outside Performance Work Statement</b> Transferred to Corporate IT Program decision unit.	-1,024
<b>Department of Energy Common Operating Environment</b> Transferred to Corporate IT Program decision unit.	-1,192
<b>Converged Networks</b> Transferred to Corporate IT Program decision unit.	-5,000
<b>Total Funding Change, Energy Information Technology Systems</b>	<hr style="width: 100%;"/> <b>-22,149</b>

## Program Direction

### Funding Profile by Category

	FY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	22,766	21,810
Travel	430	173
Support Services	7,600	7,465
Other Related Expenses	7,350	7,167
Total, Headquarters	38,146	36,615
Total, Full-Time Equivalents	144	134

### Mission

Program Direction provides Federal staffing and associated funding required for the overall management of activities carried out by the Office of the Chief Information Officer to include Cyber Security, Corporate Management Information Program, and Headquarters' Operations and Maintenance activities.

This funding provides resources needed to carry out the Departmental activities of the OCIO including the operation and delivery of Department-wide information technology network 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 and contingency planning; and inter-agency coordination.

The balance of the Department's IT portfolio funding of approximately \$2 Billion is managed directly by the Department's program offices and their field sites and laboratories. The OCIO exercises Clinger-Cohen related IT portfolio management responsibilities in reviewing the IT business case and portfolio requests of all Departmental elements.

## Detailed Program Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Salaries and Benefits**

**22,766                      21,810**

Provides salaries and benefits for Federal staff assigned to the Office of the Chief Information Officer. The request supports 134 full-time equivalents. Funding level supports FY 2012 Request Salary and Benefits; future promotions, anticipated with-in grade adjustments and reflects the federal pay freeze.

**Travel**

**430                                      173**

Includes all costs for transportation of persons, subsistence of travelers, and incidental travel expenses in accordance with Federal travel regulations.

**Support Services**

**7,600                                      7,465**

The Information Technology Corporate Management office manages the Office of the Chief Information Officer’s human resources, budget formulation and execution, and the acquisition process. This funding provides for the support service requirements for the corporate OCIO activities.

▪ **E-Government**

**3,400                                      3,400**

E-Government is a critical component in meeting today's citizen and business expectations for interaction with Government, as information technology facilitates the ability to align efforts to significantly improve service and reduce operating costs. The Department provides funds in support of the following Government-wide initiatives: GovBenefits, Grants.gov, E- Payroll, E-Rulemaking, E-Training, Integrated Acquisition Environment, IAE-Loans and Grants, E-Authentication, Business Gateway, USA Jobs (formerly Recruitment One-Stop), Enterprise Human Resource Integration, E-Travel, and the following Lines of Business: Financial Management, Grants Management, Human Resources Management, Budget Formulation and Execution, Geospatial, and Information Technology Infrastructure. In FY 2012, the Office of the Chief Information Officer will fund \$3.4 million of the Departmental E-Government initiatives with the balance of the E-government effort funded through internal allocations on all Departmental programs as determined by the CFO in consultation with CIO.

**FY 2010 and FY 2012 E-Government Initiatives and Benefits**

GovBenefits.gov (FY 2010 253,982; FY 2012 209,708)

- Helps to raise public awareness of Energy’s Weatherization program.
- Supports the Department of Energy’s strategic goals of reducing the burden of energy prices on low-income families by working with state and local agencies to weatherize homes.

E-Payroll (FY 2010 1,331,853; FY 2012 1,320,729)

- DOE is charged by the ePayroll service provider, Defense Finance and Accounting Service (DFAS), for each Leave and Earnings Statements that is produced.
- The DFAS cost is paid out of the Working Capital Fund along with other payroll expenses incurred within DOE

E-Rulemaking (FY 2010 50,526; FY 2012 321,460)

The Federal Docket Management System:

- Improves public access to all rulemaking material.
- Provides a central location for the public to find and comment on regulatory actions that affect their lives.
- Reduces data storage costs and allows regulation writers an easy way to have cross-agency/cross-government collaboration on regulatory matters.

Financial Management LoB Interagency (FY 2010 75,000; FY 2012 75,000)

- To assist the Department of Energy in planning and managing the Department's migration to a selected center of excellence the following is provided:  
By establishing common solutions for agency standard accounting and reporting processes this E-Gov initiative can streamline and standardize accounting processes; eliminate duplicative financial systems; and reduce the cost of standard accounting processes.
- Key tools such as an RFP framework and Service Level Agreement guides to help develop agency agreements with their selected service providers.
- Opportunity to play an active role in standardizing core FM business process and data elements.

Human Resources Management LoB Interagency (FY 2010 65,217; FY 2012 65,217)

- Agency can achieve the benefits of "best-in-class" Human Resources solutions without the costs of developing and maintaining their own Human Resources systems. Employees across the agency benefit from improved Human Resources services.

Enterprise Human Resource Integration (FY 2010 331,634; FY 2012 362,847)

- Streamline and automate the electronic exchange of standardized Human Resource data needed for an official employee record.
- Provides comprehensive knowledge management workforce analysis, forecasting, and reporting across the agency.

E-Training (FY 2010 1,364,254; FY 2012 1,364,254)

- Provides a premier electronic training environment to support the development of the Federal workforce.
- Advances the accomplishment of agency missions through simplified and one-stop access to E-Training products and services.
- Reduce redundancies.
- Achieves economies of scale and in the purchase and/or development of E-Learning content.
- Purchases of learning technology infrastructure (e.g., Learning Management Systems, Learning Content Management Systems, and other information technology hardware/software), consolidation, and sharing of hardware/software wherever possible.
- Offers user-friendly, one-stop access to a robust and high-quality E-Training environment.
- Encourages E-Learning investments as part of the strategic, systematic, and continuous development of Federal government human capital.

Grants Management LoB Interagency (FY 2010 59,316; FY 2012 59,316)

- Improving the delivery of services to grant recipients.
- Improving decision-making.
- Decreasing costs associated with building and maintaining Grants Management information technology systems.

Grants.gov (FY 2010 438,664; FY 2012 508,215)

- Provides a single location to publish grant (funding) opportunities and application packages.
- Provides a single site for the grants community to apply for grants using common forms, processes and systems.

Geospatial LoB (FY 2010 42,000; FY 2012 42,000)

- Supports the identification and sharing/reuse of geospatial information that can potentially support current and future Department of Energy missions including Environmental Management, Legacy Management, Emergency Response Management, materials transportation programs, and others.
- Appropriately applied, this initiative can reduce the overall cost of geospatial data development agency-wide over time.

Budget Formulation & Execution LoB (FY 2010 95,000; FY 2012 105,000)

- By establishing common solutions for agency budget formulation and reporting processes, this E-Gov initiative can streamline and standardize budget processes; eliminate duplicative budget support systems; and reduce the cost of budget formulation.

USA Jobs (formerly Recruitment One-Stop) (FY 2010 81,822; FY 2012 81,775)

- This initiative provides a common automated support for all individuals interested in applying for Department of Energy vacancies. This tool enables the agency to reach a broader audience of applicants and ensures that all individuals have equal access to application processes. It eliminates the need for the Department of Energy to maintain its own application support tool thereby reducing the cost of this human resource process to the agency.

IAE-Loans and Grants (FY 2010 189,973; FY 2012 189,973)

- Supports the expansion of the Dunn and Bradstreet contract currently being used by Federal agencies for contractor identification numbers.

Integrated Acquisition Environment (FY 2010 2,112,182; FY 2012 2,392,760)

- Improves agency's ability to make informed and efficient purchasing decisions.
- Allows agency to replace manual processes.
- Agency purchasing officials benefit from access to databases of important information from other agencies on vendor performance.

E-Travel (FY 2010 1,171,894; FY 2012 761,666)

- The E-Gov Travel Service (ETS) is a government-wide Web-based service that provides standardized travel management practices to consolidate federal travel systems, minimize costs and produce superior customer satisfaction.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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▪ **Technical and Administrative Support**

**1,600**

**1,309**

Provides increased support to the Chief Information Officer for change in management studies, strategic studies, and process reviews.

▪ **Business, Finance, and Procurement**

**1,352**

**1,725**

Provides support to the Chief Information Officer for financial management, analytical studies, logistical/administrative support, contract administration, workforce planning and timesharing services in accordance with support of its operational responsibilities.

▪ **OCIO DOECOEO Requirement**

**0**

**1,031**

Funds OCIO payments for DOECOEO desk top computer services at 300/mo/user. Funds for this activity were reallocated internally at the target level from other OCIO programs.

▪ **Records Management**

**546**

**0**

Program has agency-wide policy and oversight responsibility for management of the Department's records. In compliance with the Federal Records Act, this program ensures that the Department of Energy adequately documents its missions and functions, policies, procedures, and decisions and preserves its historically valuable records

▪ **Wireless and Spectrum Management Program**

**252**

**0**

Spectrum Management is responsible for obtaining certification for major Department of Energy spectrum dependent systems, processing requests for Radio Frequency Authorizations for all Department Field activities, coordinating agency activity on Spectrum relocation and reimbursement, and Department policy governing use of wireless products and services and Federal spectrum. This funding provides the OCIO allocation/assessment towards the Department's spectrum fee. Contractor support has been eliminated to reflect additional federal oversight of this initiative

▪ **E-Government Support**

**450**

**0**

This support provides the Office of the Chief Information Officer with expert consultant services to continue the Department's implementation of the E-Government Act of 2002. OCIO Funding in support of the actual initiative is provided in a separate line item of the budget. The Department identified 14 internal E-Government initiatives that either have been implemented or are planned for implementation in the coming years. Contractor support has been eliminated to reflect additional federal oversight of this initiative.

**Other Related Expenses**

**7,350**

**7,167**

Provides for training and Working Capital Fund requirements for the Office of the Chief Information Officer.

**Total, Program Direction**

**38,146**

**36,615**

## Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
---

### Salaries and Benefits

This decrease of funding supports the pay freeze and anticipated reduction of 10 FTEs.

-956

### Travel

Reduction reflects requirements for essential, mission-related travel and administrative initiatives to increase reliance on corporate telecommunications services and information technologies to reduce travel costs.

-257

### Support Services

- **Technical and Administrative Support**

Decrease due to reduction in support anticipated for contracts and enterprise licenses.

-291

- **Business, Finance, and Procurement**

Increase to support OCIO budget and billing requirements. OCIO contracts are used significantly by many Departmental Headquarters and field elements.

+373

- **OCIO DOECOE Requirement**

Activity transferred from Energy Information Technology Services in FY 2012. These funds will be used to pay the OCIO IT expenses.

+1,031

- **Records Management**

This activity was transferred to Corporate Management Information Program within in Corporate IT Program Support Decision Unit.

-546

- **Wireless and Spectrum Management Program**

This activity was transferred to Corporate Management Information Program within in Corporate IT Program Support Decision Unit. Support service funding has been eliminated to reflect increased federal oversight of the program.

-252

- **E-Government Support**

Reduction reflects decreased contactor support and increased reliance on the Federal workforce.

-450

### Other Related Expenses

Decrease in Working Capital Fund activities reflecting the decrease in federal FTEs proposed in FY12.

-183

### Total Funding Change, Program Direction

**-1,531**

### Support Services by Category

	FY 2010 Current Approp	FY 2012 Request
Support Service		
Management Support	5,501	5,366
Other Services	2,049	2,049
Supplies and Materials	50	50
Total, Support Services	7,600	7,465

### Other Related Expenses by Category

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Working Capital Fund	7,200	7,076
Training	150	91
Total, Other Related Expenses	7,350	7,167



## Congressional and Intergovernmental Affairs

### Program Direction Funding Profile by Category

	(dollars in thousands)	
	FY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	3,096	2,844
Travel	135	119
Support Services	585	595
Other Related Expenses	1,010	1,132
Total, Headquarters	4,826	4,690
Total, Full Time Equivalents	43	32

#### Public Law Authorizations:

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

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

#### Mission

CI fulfills the statutory requirement of DOE Organization Act (P.L. 95-91) by:

- Working with Members of Congress, their staffs, and Committees/Subcommittees to define, articulate and advance DOE's position on pending legislation; to implement national policy priorities as enacted into law by the Congress; and notify members of Congress regarding pending awards/grants/contracts that have an impact upon the member's State/District.
- Working with governors and their staffs, local elected/appointed officials, and Tribal officials to provide information on DOE activities and decisions, and to elicit their concerns and interests and consider them in DOE decision processes.
- Providing timely notifications to Members of Congress, Governors, and Tribal officials on DOE matters of specific interest or impact and providing timely and full response to their inquiries, requests for information, and constituents' concerns.
- Attending Congressional briefings, meetings and Committee markups to monitor, inform, and advocate on behalf of the Department in the legislative process.
- Providing support to secretarial and program officers in the research, preparation, and/or review of:
  - Testimony and briefing materials for Congressional hearings and meetings, and gubernatorial and tribal events;
  - Congressional, intergovernmental, and tribal correspondence; and
  - Coordination of Congressional hearing statements, transcripts, pre- and post-hearing questions and answers, and inserts for the record.

- Providing timely Congressional, gubernatorial, and stakeholder notifications on Departmental program issues and major announcements.
- Working with OMB to ensure DOE positions articulated to Congress are consistent with Administration policy and direction.

**Detailed Justification**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Salaries and Benefits**

**3,096                      2,844**

Funds salaries, benefits, cash incentive awards, lump sum leave payments, Senior Executive Service and other performance awards for 32 full time permanent and other than full time permanent employees.

**Travel**

**135                              119**

Provides funding for official travel for site visits to facilities of interest to Congress; attendance at conferences and meetings with state, local, and tribal government officials, business and community groups, and a broad range of DOE stakeholders to discuss DOE initiatives and policies and elicit their views.

**Support Services**

**585                              595**

Provides funding for professional support services (on-line legislative research and analysis activities, data and information sources and for technical support services (e-Gov initiatives, IT support), and courier services.

- **Technical Support**

516                              524

Technical Services include CI's IT support costs for IT equipment, service and supplies, web site hosting, and time sharing services.

- **Management Support**

69                                      71

Professional Services include costs associated with planning, NARA Records handling and storage, office supplies and accessories, as well as, data and information services and publications such as: Congressional Quarterly, National Journal – Hotwire including: Environment & Energy (E&E) Policy News, E&E Daily, Greenwire, E&E News PM, E&ETV; Daily Newspapers, Roll Call's Knowlegis Messenger Service, and other Congressional information sources such as: House and Senate Telephone Directories, and the Congressional Directory.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Other Related Expenses**

**1,010                      1,132**

Other related expenses provides funding for employee training and development; services included in the business lines of the Working Capital Fund; and purchase of goods and services from government accounts.

▪ **Purchase of Goods and Services**

120                      124

Purchase of Goods & Services from Government Accounts include access to DOE’s CIO managed IT network and desktop maintenance and periodic refreshment funded though CIO’s eXCITE.

▪ **Training**

10                      22

Training for employee development and knowledge-skill maintenance.

▪ **Working Capital Fund**

880                      986

DOE’s Working Capital Funds is a revolving fund established to address costs associated with building occupancy (rent), utility services (electric, gas, water & sewage), building maintenance and renovation, office supply, copying & printing, etc.

**Total, Program Direction**

**4,826                      4,690**

**Explanation of Funding Changes**

FY 2012 vs. FY 2010 Current Approp (\$000)
--

**Salaries and Benefits**

Reduction reflects pay freeze and reduced staffing in FY 2012.

- 252

**Travel**

Inflationary increases in airfare, lodging, and other travel costs is offset by the anticipated reduction in FTE levels resulting in a net decrease in anticipated travel expenses.

- 16

**Support Services**

Increase results from the escalation of costs for technical and management support services.

+ 10

FY 2012 vs. FY 2010 Current Approp (\$000)
--

**Other Related Expenses**

Increases include marginal increase in anticipated training costs to develop and maintain the skill and knowledge level of staff, CI's allocated portion of the Working Capital Fund (WCF) , for office supplies, telephone, copying, space, etc.

+ 122

**Total Funding Change, Program Direction**

**- 136**

**Support Services by Category**

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Support Services		
Technical Support	516	524
Management Support	69	71
Total, Support Services	585	595

**Other Related Expenses by Category**

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Purchase of Goods & Services from Gov't Accounts (eXCITE)	120	124
Training	10	22
Working Capital Fund	880	986
Total, Other Related Expenses	1,010	1,132

## Economic Impact and Diversity

### Funding Profile by Subprogram

	FY 2010 Current Appropriation	FY 2012 Request
Economic Impact and Diversity		
Program Direction	3,896	5,660
Program Support	2,775	1,813
Total, Economic Impact and Diversity	6,671	7,473

#### Public Law Authorizations:

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

#### Executive Orders:

12138 "Creating a National Women's Enterprise Policy"  
12898 "Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations"  
13021 "Tribal Colleges and Universities"  
13157 "Increasing Opportunities for Women-owned Small Business"  
13160 "Increasing Opportunities for Service Disabled Veteran Business"  
13170 "Increasing Opportunities and Access for Disadvantaged Business"  
13216 "Improving Quality of Life of Asian Americans and Pacific Islanders"  
13230 "Educational Excellence for Hispanic Americans"  
13256 "Historically Black Colleges and Universities"  
13166 "Improving Access to Services for Persons with Limited English Proficiency"

#### Mission

The mission of The Office of Economic Impact and Diversity (ED) is to advise the Secretary of Energy on the effects of energy policies, regulations, and other actions of the Department on all individuals, communities, minority educational institutions, small and disadvantaged businesses, and minority banks. The Office of Economic Impact and Diversity (ED) consist of the offices of Minority Economic Impact, Small and Disadvantaged Business Utilization, Civil Rights, and Diversity and Environmental Justice.

#### Benefits

ED serves as the DOE corporate office that monitors, enforces and strengthens DOE programs and policies that improve the under-representation of women, Native Americans, the disabled, and minorities in all aspects of DOE businesses, including the Federal and national laboratory workplace, educational institutions, small and disadvantaged businesses, contracting and procurement, and under-represented communities. ED also serves to ensure Environmental Justice in all DOE programs, policies and activities. ED also oversees the implementation of a wide range of partnerships with minority

Departmental Administration/  
Economic Impact and Diversity

FY 2012 Congressional Budget

educational institutions, small businesses, minority banks, professional societies, and other groups to ensure that the Nation and the Department benefit from small business job creation, innovation in energy-related technology, and the development of a diverse scientific and technological workforce.

**Economic Impact and Diversity  
Funding Schedule by Activity**

	FY 2010 Current Approp	FY 2012 Request
Program Support		
Minority Economic Impact	1,533	1,000
Small & Disadvantaged Business Utilization	767	515
Civil Rights	297	100
Diversity & Environmental Justice	178	198
Total, Program Support	<hr/> 2,775	<hr/> 1,813

**Description**

The Office of Economic Impact & Diversity (ED) is mandated by statute and Executive Orders to advise the Secretary of Energy on the effects of energy policies, regulations, and other actions of the Department and its components on minorities, minority educational institutions and minority business enterprises. ED is also required to ensure that these groups are afforded an opportunity to participate fully in the business sector and energy programs of the Department, including being the corporate office that monitors and enforces compliance with Title VI and Title VII of the Civil Rights Act of 1964 and Title IX of the Education Amendments of 1972.

**Benefits**

ED supports DOE's and the Administration's goals to ensure full participation by women, the disabled, Native Americans, minorities, minority educational institutions, small-disadvantaged businesses, and minority banks in the energy programs at the Department. In addition, ED has a responsibility to ensure that all Federal and national laboratory contractor employees are treated equally under the law and to advise DOE senior management about practices that will avoid grievances and complaints.

- The Minority Economic Impact Program provides guidance to under-represented educational institutions about how to access opportunities at DOE and provides scholarships and internships to under-represented students and faculty, thereby providing a science, math and engineering pipeline for the future workforce of the Department.
- The Small and Disadvantaged Business Utilization Program promulgates policies that maximize business opportunities in the Department for small and disadvantaged businesses that seek to do business with DOE. Programs are established to work internally with programs elements, contracting offices, and prime contractors to assist them in providing increased opportunities to small business concerns. Outreach efforts are used to identify small business concerns that can perform DOE requirements, and developmental assistance is provided by DOE prime contractors to make small businesses more competitive in the marketplace. The departmental Small Business Program is charged with the establishment and achievement of annual small business

and socioeconomic goals that are negotiated with the U.S. Small Business Administration goals for the Department.

- The Civil Rights Program ensures that all Federal employees have access to resources that ensure equal treatment under the law, advises the Secretary of Energy on ways to mitigate unequal treatment, and monitors the progress made toward gender equity and other civil rights issues at DOE national laboratories and universities that receive DOE financial assistance.
- The Diversity & Environmental Justice Program proactively develops strategies and programs designed to improve the participation of women, minorities, Native Americans, and the disabled in DOE programs, the DOE Federal workforce, and the DOE contractor workforce. An annual “Diversity Scorecard” is reported to the Secretary of Energy. The program also identifies and addresses disproportionately high and adverse health, environmental or socio-economic effects of DOE programs, policies, and activities on minority, low-income and Native American populations and communities, and ensures appropriate outreach and meaningful participation of those communities.

**Detailed Justification**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Minority Economic Impact**

**1,533**

**1,000**

The Office of Minority Economic Impact (OMEI) is responsible for developing programs to support minority educational institutions, minority financial institutions, and under-served communities. OMEI’s legislative mandate, Section 641 Title VI, Part 3 of the National Energy Conservation Policy Act (Public Law 95-619) is: (1) conduct socio-economic research regarding energy consumption and costs among minority populations in the United States and (2) determine how Department programs and policies affect energy consumption and use patterns among minority populations. Additionally, to assist DOE in meeting the requirements set forth in Section 3167 of the Department of Energy Science Education Enhancement Act (42 U.S.C. § 7381c-1), “Partnerships with Historically Black Colleges and Universities, Hispanic-Serving Institutions, and Tribal Colleges,” as amended in Section 1105 of the Energy Policy Act of 2005, OMEI actively engages in outreach and assistance programs to identify and inform MEIs, community-based education organizations, and minority students about research, development, and contract opportunities at the Department.

In response to Presidential Executive Orders, including E.O. 13532 “Promoting Excellence, Innovation, and Sustainability at Historically Black Colleges and Universities”; E.O. 13230 “Educational Excellence for Hispanic Americans”; and E.O. 13270 “Tribal Colleges and Universities,” OMEI proactively works with program offices at DOE to advocate for MEIs and facilitate Department program offices, facilities, and laboratories in partnering with smaller, less-known minority institutions; thus, providing MEIs greater access to DOE grants, contracts, and cooperative agreements. As required by the above-mentioned executive orders, OMEI is responsible for tracking and reporting annual DOE’s Historically Black Colleges and Universities (HBCU), Hispanic Serving Institutions (HSI) and Tribal Colleges and Universities (TCU) spending data to the respective White House Initiatives Offices.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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OMEI is also responsible for implementing the Department's Bank Deposit Financial Assistance Program, which provides minority financial institutions with a stable deposit base to assist minority communities and minority and women-owned business enterprises. The mandates for program implementation are Presidential Executive Orders No. 11625 and 12138.

To meet the requirements of these various legislative mandates, OMEI implements a Department-wide minority educational institution internship program. The remainder of the program support budget is used to provide direct support to minority educational institutions for various research, education and technical assistance programs and administrative support for the Bank Deposit Financial Assistance Program.

### **Small & Disadvantaged Business Utilization**

**767**

**515**

The Office of Small and Disadvantaged Business Utilization (OSDBU) is mandated by Statute, Public Law 95-507, which has been codified into the Small Business Act (15 U.S.C. Section 644 (k)), to conduct a departmental Small Business Program that maximizes contracting and subcontracting opportunities for small businesses. In addition, the OSDBU has an objective to maximize opportunities for small business concerns seeking business opportunities in energy technologies that use financial assistance tools. The OSDBU is responsible for increasing opportunities for small business concerns in hopes that the aggregate of national efforts will improve their standing in the industry and lead to their viability. The types of small businesses that are targeted in the Federal program include: small disadvantaged, 8(a), woman-owned, HUBZone, and service-disabled veteran-owned small businesses. The OSDBU is responsible for the establishment of small business contracting goals and works cooperatively with departmental program elements to develop and subsequently negotiate aggressive but achievable departmental goals with the U.S. Small Business Administration (SBA).

Statutes that the OSDBU must comply with include: Public Law 100-656 which requires development and publishing of a "Forecast of Opportunities" for small businesses; Public Law 103-355 which establishes a government-wide "Women-Owned Small Business" goal of 5%; Public Law 106-50 which requires each Federal agency to conduct a program and set goals for "Service-Disabled Veteran-Owned Businesses;" and Public Law 105-135 which requires each agency to conduct a "HUBZone Empowerment Program." Executive Orders that the OSDBU must comply with include: Executive Order 13170 – "Increasing Opportunities and Access for Disadvantaged Businesses" and Executive Order 13157 – "Increasing Opportunities for Women-Owned Small Business."

Two Executive Orders were issued on April 26, 2010 by the White House that require the establishment of an Interagency Task Force to “Increase Federal Contracting with Small Business,” which OSDBU serves as a member of the task force and working group; and, a second that requires the establishment of another Interagency Task Force on “Increasing Opportunities for Veteran-Owned Businesses.” The OSDBU is responsible for the Department’s implementation of the recommendations that stem from these task forces and working groups.

To meet the requirements of these various mandates, the OSDBU will contract? to support the initiatives of the White House Interagency task forces involving the expansion and support for mentoring and strategic partnerships, improving data quality, and support for minority businesses at the state level. Further, the OSDBU utilizes support services to outreach to the small business community in the form of an annual conference, Business Opportunity Sessions (BOSs), and webcasting to connect with a larger audience of small businesses. An analysis of the small business program will be performed to determine the effectiveness of various small business programs. The remainder of the budget will focus on Service-Disabled Veteran-owned Small Businesses (SDVOSBs) by holding BOSs? to identify those SDVOSBs that may have expertise that would enable them to fill DOE requirements, and contract to provide developmental assistance to SDVOSBs and “wounded warriors” in writing proposals and developing other skills required to do business with DOE.

**Civil Rights**

**297**

**100**

The Office of Civil Rights is responsible for monitoring and enforcing the Department’s compliance with Title VII of the Civil Rights Act of 1964, the law that requires equal employment opportunity (EEO) for all Federal workers. As part of its enforcement responsibility under Title VII, the Office manages the processing of discrimination complaints filed by DOE Federal workers. The Office utilizes a support services contract to assist it in the processing of discrimination complaints (e.g., counseling of employees, investigation of complaints, preparation of decisions). The funds requested for program support for the Office of Civil Rights are used to do analyses of the complaints and counseling process to improve how DOE managers respond to these issues.

**Diversity & Environmental Justice**

**178**

**198**

Pursuant to the Environmental Justice Act of 1992, and Executive Order 12898, the Office of Diversity & Environmental Justice seeks to ensure that low-income and minority communities do not suffer adverse health, environmental or socio-economic impacts as a result of the Department’s mission. The Office is charged with developing and implementing an agency-wide Environmental Justice strategy that identifies and addresses disproportionately high and adverse health or environmental effects of Departmental programs, policies, and activities on minority, low-income, and Native American populations and communities. To this end, the Office develops an Environmental Justice strategic plan, annual accomplishments report and ensures the impacted communities are aware of the services offered by the Department to assist them.

In conjunction with the DOE Office of Civil Rights and the Office of Human Capital Management, the Office of Diversity and Environmental Justice is also charged with ensuring the recruitment and retention of a well-qualified, diverse workforce to meet the current and emerging mission needs of the Department. In addition, the Office manages the Federally-mandated Special Emphasis Programs for women, Hispanics, and persons with disabilities, and also conducts Special Emphasis Programs for Asian Americans and Pacific Islanders, African Americans, Veterans, Native Americans, and Gays, Lesbians and Bisexuals. The Office develops a Diversity Scorecard, tracking such factors as hiring and retention in the DOE workforce, compared to the Relevant Civilian Labor Force (RCLF).

The budget requested for the Office will fund DOE’s contribution to the annual environmental justice conference; assessment and development of the Environmental Justice strategic plan, annual accomplishment’s report and collaboration with DOE program offices to ensure outreach is provided to impacted communities regarding services offered by the Department. In addition, the budget will support activities associated with the Special Emphasis Programs, Diversity, EEO and workforce analysis reporting and outreach.

**Total, Minority Economic Impact**

**2,775**

**1,813**

**Explanation of Funding Changes**

FY 2012 vs.  
FY 2010  
Current Approp  
(\$000)

**Program Support**

**Minority Economic Impact**

Decrease in funding has been made up through intra-agency funding support (EPA) for MEI’s minority internship program to ensure that student participation remains relatively steady.

-533

**Small & Disadvantaged Business Utilization**

Due to completion of installation of the small business outreach tool (SBOT) in FY 11, program support funding needs are reduced.

-252

**Civil Rights**

Funding reductions reflect a projected reduction in the number of discrimination complaints filed by DOE employees due to process improvements made in FY 2011, such as an early intervention in discrimination complaints and increased emphasis on the use of ADR. These efforts should assist the Office in settling a greater number of discrimination complaints at the informal stage, thereby reducing the amount of funds needed in the formal complaint stage for complaint investigations.

-197

**Diversity and Environmental Justice**

Increase of \$20,000 will: enhance Special Emphasis Program events, provide more substantive and educational programming; provide training and development for representatives of DOE Employee Resource Groups; help develop detailed diversity scorecards for each major DOE organization, and enable ED to work more closely with organizations in developing and implementing strategies for addressing underrepresentation; fully integrate Environmental Justice into the Office function, including providing professional development for staff; update the DOE Environmental Justice strategy; and provide support to (and ensure a DOE presence at) the annual State of Environmental Justice conference, the National Association of Employee Concerns meetings, the annual Federal Hispanic Career Advancement Summit, and other relevant meetings, conferences and summits.

+20

**Total Program Support**

**-962**

**Program Direction**

**Funding Profile by Category**

	FY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	3,091	4,186
Travel	55	56
Support Services	136	623
Other Related Expenses	614	795
Total, Headquarters	3,896	5,660
Full Time Equivalents	20	32

**Detailed Justification**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Salaries and Benefits** **3,091** **4,186**

Funding covers salary and benefits for 32 full-time Federal employees. Beginning in FY 2012, the Offices of Civil Rights and Diversity & Environmental Justice (formerly funded by the Office of Hearings and Appeals and the Office of Human Capital Management) are now fully funded by ED. As a result, the FY 2012 FTE level of 32 is an increase of 12 FTEs from FY 2009.

**Travel** **55** **56**

Funding covers the following activities: three site visits to review and monitor funded projects; meetings with minority education institutions; conduct outreach activities; conduct/attend training sessions; participate in procurement/contracting seminars; participate, as requested, in Congressionally-sponsored Federal Procurement Conferences for small business opportunities, assess financial grants compliancy in the field; and conduct on-site visits to DOE field and M&O offices.

**Support Services** **136** **623**

Funding provides for training of Federal personnel in preparation of program plans surveys and technical analyses. Support Services also funds studies, oversight, special emphasis and commemorative events, and specialized training and services for the Civil Right Program.

**Working Capital Fund & Other Expense** **614** **795**

Other related expenses include Working Capital Fund which supports utilities, telephone, rent, supplies, equipment, printing, graphics, copying, postage, STARS, other administrative support and

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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business systems and functions. Significant graphics, printing, and copying of brochures, directories, and other informational materials about contracting and subcontracting opportunities with DOE are provided to small businesses at conferences, seminars, and workshops.

**Total, Program Direction**

**3,896**

**5,660**

**Explanation Changes**

FY 2012 vs. FY 2010 Current Approp (\$000)
---

**Salaries and Benefits**

Funding increase covers salary and benefits for 12 full-time Federal employees transferred to ED.

+1,095

**Travel**

Escalating airfare and lodging costs and increased programmatic activities require an increase in travel for staff.

+1

**Support Services**

Increase results from the increase in investigations, counselings and training needed for Civil Rights and Diversity activities.

+487

**Working Capital Fund & Other Related Expenses**

Increased cost of computer workstations and network infrastructure technology upgrades needed to improve operational efficiencies and for the inclusion of field office printing costs. The addition of graphics, printing, and copying of energy technology brochures, directories, and other informational materials about the technologies available to small businesses – to be distributed at conferences, seminars and workshops.

+181

**Total Funding Change, Program Direction**

**+1,764**

### Support Services by Category

	FY 2010 Current Approp	FY 2012 Request
Technical Support		
Surveys Or Reviews of Technical Operations	28	307
Total, Technical Support	28	307
Management Support		
Training and Education	33	99
Counselings, investigations and support for Civil Rights Program	75	217
Total, Management Support	108	316
Total, Support Services	136	623

### Other Related Expenses by Category

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
E-Gov Initiatives	10	15
EXCITE	104	191
Working Capital Fund	500	589
Total, Other Related Expenses	614	795



**General Counsel  
Program Direction**

**Funding Profile by Category**

	FY 2010 Current Approp	FY 2012 Request
Program Direction		
Salaries and Benefits	24,516	25,983
Travel	82	83
Support Services	2,944	2,877
Other Related Expenses	4,936	5,699
Total, Program Direction	32,478	34,642
Full Time Equivalents	153	159

**Mission**

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

**Detailed Justification**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Salaries and Benefits**

**24,516      25,983**

Provides funding in FY 2012 for 159 full-time equivalent employees to include salaries, benefits, overtime, incentive awards, lump sum leave, SES and other performance awards, and unemployment compensation and assumes federal pay freeze.

**Travel**

**82              83**

Provides funding for employees to attend hearings, depositions, and court proceedings. Provides funding for conference and training attendance.

**Support Services**

**2,944              2,877**

▪ **NEPA**

**1,380              1,298**

Provides contractor support for technical analysis of Environmental Impact Statements and other documentation required by the National Environmental Policy Act.

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
▪ <b>Intellectual Property</b> Provides for outside patent law firms to process intellectual property actions.	152	141
▪ <b>Alternative Dispute Resolution</b> Provides for mediation contractor support.	50	49
▪ <b>DOE/COE</b> Funds DOE/Common Operating Environment IT services provided by the Office of the Chief Information Officer.	641	756
▪ <b>Information Technology</b> Funds IT services that are GC dedicated such as; technician support, database programming/maintenance, etc.	423	347
▪ <b>Law Library</b> Provides for law library personnel and materials.	312	286
<b>Other Related Expenses</b>	<b>4,936</b>	<b>5,699</b>
▪ <b>Gov't Agencies – Intellectual Property</b> Provides for outside patent law firms to process intellectual property actions.	343	347
▪ <b>Timesharing</b> Provides for Westlaw and Lexis/Nexus access.	344	656
▪ <b>Working Capital Fund</b> Provides for GSA rent, telephones, printing/copying, supplies, mail, etc.	4,048	4,482
▪ <b>Miscellaneous</b> Provides for GSA rent, telephones, printing/copying, supplies, mail, etc.	198	214
<b>Total, Program Direction</b>	<b>32,478</b>	<b>34,642</b>

### Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
--

#### Salaries and Benefits

Increase in salaries and benefits due to anticipated promotions, within-grade increases, and the increase of 6 FTEs.

+1,467

#### Travel

Inflationary increase.

+1

FY 2012 vs. FY 2010 Current Approp (\$000)
--

**Support Services**

Increases: DOE/COE (+\$115,000). Decreases: NEPA (-\$68,000), Intellectual Property (-\$11,000), ADR (-\$1,000), Information Technology (-\$76,000), and Law Library (-\$26,000).

-67

**Other Related Expenses**

Increases: Intellectual Property (\$1,000), Timesharing (\$312,000) Working Capital Fund (\$434,000), and Miscellaneous (\$16,000).

+763

**Total Funding Change, Program Direction**

**+2,164**

**Support Services by Category**

	FY 2010 Current Approp	FY 2012 Request
Technical Support		
NEPA	1,366	1,298
Intellectual Property	152	141
Alternative Dispute Resolution	50	49
DOE/COE	641	756
Information Technology	423	347
Law Library	312	286
Total, Support Services	2,944	2,877

**Other Related Expenses by Category**

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Government Agencies – Intellectual Property	346	347
Timesharing	344	656
Working Capital Fund	4,048	4,482
Miscellaneous	198	214
Total, Other Related Expenses	4,936	5,699



**Chief Human Capital Officer  
Program Direction**

**Funding Profile by Category**

	FY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	22,158	18,880
Travel	210	25
Support Services	3,195	62
Other Related Expenses	3,974	4,122
Total, Headquarters	29,537	23,089
Full Time Equivalents	189	159

**Mission**

The Office of the Chief Human Capital Officer (HC) provides leadership to the Department of Energy (DOE) on the impact and use of policies, proposals, programs, and partnership agreements and relationships related to all aspects of human capital management (HCM). The Office uses an integrated approach that links human resources, training and development, and diversity in developing, deploying, and assessing a full range of short and long-term HCM solutions, policies, and programs. HC proactively seeks solutions and approaches to serve the HCM requirements of the Department to advance and support the DOE mission by creating and implementing solutions that address workforce issues in the areas of recruiting, hiring, motivating, succession planning, competency development, training and learning, retention, retirement and diversity.

Issues being addressed as high priority by HC include: the findings of the National Academy of Public Administration (NAPA) report on improving DOE mission-support performance (July 2009); the requirements of the President’s Hiring Reform Initiatives dated May 11, 2010; and continued departmental support of government-wide programs including SES reform, HR professional education and mobility, and national security professional development. HC also provides leadership and direction in dealings with the Office of Personnel Management (OPM), Government Accountability Office (GAO), the Merit Systems Protection Board (MSPB), Federal Labor Relations Authority (FLRA), Office of Management and Budget (OMB), and other Federal and non-Federal organizations relative to human capital programs and policies.

## Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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### Salaries and Benefits

**22,158**

**18,880**

Provides for 159 full time equivalents (FTEs) to include salaries, overtime, and lump sum leave. In addition to salaries and benefits, funding is also provided for workers' compensation payments on behalf of all employees funded through the Departmental Administration (DA) appropriation. Beginning in FY 2012 the full-cost accounting initiative will be implemented for the Working Capital Fund (WCF). Approximately 10 FTEs, as part of the CHRIS and Training WCF Business Lines, will be funded through the WCF mechanism (149 funded by HC; 10 funded via WCF; 159 total).

### Travel

**210**

**25**

Travel associated with program oversight, program evaluation, project engineering, recruitment, and permanent change of station moves. Includes travel associated with OPM-required HC accountability audits. HC will explore options to partner with other DOE organizations and video conference.

### Support Services

**3,195**

**62**

The areas of support include computer support, project management and performance, strategic planning, automated data processing, delivery of training, database maintenance, human resource systems operations, and minimal technical financial support. Also includes key support of the following programs: Recruitment and DOEJOBS One Portal; Corporate Intern Program (CCIS); Drug Testing Program; Employee Assistance Program; Corporate Human Resource Information System (CHRIS); HQ Health Care Services; Labor/Management Relations; Disability Services; Corporate Learning Services, including a Senior Executive Service Candidate Development Program (SESCDP); HC Core Contractors; and Staff Training.

- **Drug Testing Program**
300
62

Funding to support maintenance of DOE's mandated Drug Testing Program.
- **CHRIS**
425
0

Supports staff at the National Energy Technology Laboratory (NETL), who provide critical automated actions in the DOE Corporate Human Resource Information System (CHRIS); most notably mass processing of annual performance awards and cost of living adjustments for DOE Federal employees, and organizational realignments. Approximately 4 FTEs, as part of the CHRIS WCF Business Line, will be funded through the WCF mechanism beginning in FY 2012.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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- **HQ Health Care Services** 475 0  
No new funding is requested to support staff and operation of two Headquarters (HQ) health centers at the Forrestal and Germantown facilities. Services include: emergency response; travel immunization; seasonal influenza vaccinations; fitness for duty and pre-employment physical exams; and general occupational health concerns.
- **SES Candidate Development Program** 700 0  
No new SES Candidate Development Program is anticipated in FY 2012.
- **HR Core Contractors** 1,108 0  
No funding is requested for HC Core Contractor Group in FY 2012; as focus will be to use Federal staff.
- **Staff Training** 54 0  
No new funding for Staff Training is requested for HC employees.
- **Miscellaneous Support Services** 133 0  
No new funding is requested for miscellaneous support services.

**Other Related Expenses** 3,974 4,122

Included in this category are: implementation and maintenance of major human capital automation initiatives (software systems, cybersecurity and support) to include Succession Planning, Performance Management, Workforce Planning, E-Performance, and HC website enhancements; standard IT services under the DOE Common Operating Environment (DOECO); non-standard IT goods for the purchase of information technology materials such as desktop printers, laptops, memory upgrades, scanners, and fax machines; rent to GSA for the ETS Albuquerque Operations Center (AOC); and Working Capital Fund (WCF) infrastructure to support HC staff.

- **WCF** 2,810 3,265  
Finances infrastructure services under the Working Capital Fund (WCF) for HC at HQ. Moderate increase includes minor increases across existing business lines, plus the inclusion of Federal salaries under the full-cost recovery being implemented in the WCF beginning in FY 2012.
- **DOECO** 818 857  
Supports Federal and contract staff, goods and services under the DOE Common Operating Environment (DOECO), which stipulates the common approved automation equipment and software for DOE employees as well as providing basic technical support. Services and tools above approved level are funded as necessary. Minor decrease related to a reduction in the number of users corresponding to staff changes.
- **Award Programs** 75 0  
No new funding is requested to support a DOE-wide awards program on behalf of the Secretary of Energy.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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- **Miscellaneous Other Related Expenses** 271 0  
No new funding is requested to support miscellaneous other related expenses.

<b>Total, Program Direction</b>	<b>29,537</b>	<b>23,089</b>
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### Explanation of Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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#### Salaries and Benefits

Decrease in salaries and benefits is a result of an anticipated reduction of 14 positions/FTEs from target. Request provides funding for 159 full time equivalents and reflects the federal pay freeze. Approximately 10 FTEs, as part of the CHRIS (4 FTEs) and Training (6 FTEs) WCF Business Lines, will be funded through the WCF mechanism beginning in FY 2012 (149 funded by HC; 10 funded via WCF; 159 total). Funding and 3 FTEs for the Diversity function are returned to the Office of Economic Impact and Diversity (ED) for FY 2012.

-3,278

#### Travel

Travel associated with program oversight, program evaluation, project engineering, recruitment, and permanent change of station moves is requested. Includes travel associated with OPM-required HC accountability audits.

-185

#### Support Services

- **Drug Testing Program**

Decrease is a result of reduced new funding being requested for the Drug Testing program.

-238

- **CHRIS**

Decrease is a result of 4 FTEs being funded through the WCF mechanism beginning in FY 2012.

-425

- **Health Care Services**

No new funding is being requested to support staff and operation of two Headquarters (HQ) health centers at the Forrestal and Germantown facilities.

-475

- **SES Candidate Development Program**

Decrease is because no new SES Candidate Development Program class is anticipated in FY 2012.

-700

- **HC Core Contractors**

Decrease reflects elimination of funding for the HC Core Contractor Group in FY 2012

-1,108

FY 2012 vs. FY 2010 Current Approp (\$000)
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<ul style="list-style-type: none"> <li>▪ <b>Staff Training</b> Decrease anticipates reduced funding for Staff Training of HC employees.</li> </ul>	-54
<ul style="list-style-type: none"> <li>▪ <b>Miscellaneous Support Services</b> No new funding is being requested for miscellaneous support services.</li> </ul>	-133
<b>Other Related Expenses</b>	
<ul style="list-style-type: none"> <li>▪ <b>WCF</b> Moderate increase includes minor increases across existing business lines, plus the inclusion of Federal salaries under the full-cost recovery being implemented in the WCF beginning in FY 2012.</li> </ul>	+455
<ul style="list-style-type: none"> <li>▪ <b>DOECOE</b> Increase related to a cost adjustment for services.</li> </ul>	+39
<ul style="list-style-type: none"> <li>▪ <b>Award Programs</b> No funding for Award Programs is anticipated.</li> </ul>	-75
<ul style="list-style-type: none"> <li>▪ <b>Miscellaneous Other Related Expenses</b> No new funding is being requested for miscellaneous other related expenses.</li> </ul>	-271
<b>Total Funding Change, Program Direction</b>	<b>-6,448</b>

### Support Services by Category

	FY 2010 Current Approp	FY 2012 Request
Support Services		
Training and Education	54	0
Management Support, Other	3,141	62
Total, Support Services	3,195	62

**Other Related Expenses by Category**

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Rent to GSA	200	0
Other Services	964	857
Working Capital Fund	2,810	3,265
Total, Other Related Expenses	3,974	4,122

**Office of Indian Energy Policy and Programs**

**Program Direction  
Funding Profile by Category**

	FY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	857	865
Travel	80	80
Support Services	4,127	128
Other Related Expenses	436	427
Total, Headquarters	5,500	1,500
Total, Full Time Equivalents	7	7

**Public Law Authorizations:**

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

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

**Mission**

The Office of Indian Energy Policy and Programs (OIEPP) serves the Department in fulfilling the statutory requirement of DOE Organization Act (P.L. 95-91) and the Energy Policy Act (P.L. 109-58) by developing, coordinating and implementing energy policies and programs intended to:

- Promote tribal energy development and efficiency
- Reduce and stabilize tribal energy costs
- Enhance and strengthen tribal energy and electrification infrastructure, and
- Bring electric power and service to Indian lands and homes.

The Office undertakes these responsibilities consistent with the federal government's trust responsibility and policy of tribal self-determination and government to government relationship with Indian tribes.

## Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Salaries and Benefits**

**857**                      **865**

Funds salaries, benefits, cash incentive awards, lump sum leave payments, Senior Executive Service and other performance awards for seven (7) full time permanent and other than full time permanent employees.

**Travel**

**80**                                      **80**

Provides funding for official travel for site visits to tribal facilities of interest to Congress; attendance at conferences and meetings with state, local, and tribal government officials, tribal business and community groups, and DOE stakeholders to discuss DOE tribal initiatives and policies.

**Support Services**

**4,127**                                      **128**

Provides funding for professional support services on-line legislative research and analysis activities, data and information sources and for technical support services, and courier services.

▪ **Technical Support**

290    88

Technical Services include CI's IT support costs for IT equipment, service and supplies, web site hosting, and time sharing services.

▪ **Management Support**

3,837    40

Professional Services include costs associated with planning, organizing and conducting the Indian Energy Summit, NARA Records handling and storage, office supplies and accessories.

**Other Related Expenses**

**436**    **427**

Other related expenses provides funding for employee training and development; services included in the business lines of the Working Capital Fund (WCF); and purchase of goods and services from government accounts.

▪ **Purchase of Goods and Services**

86    60

Purchase of Goods & Services from Government Accounts include access to DOE's CIO managed IT network and desktop maintenance and periodic refreshment funded through CIO's eXCITE.

▪ **Training**

10    10

Training for employee development and knowledge-skill maintenance.

▪ **Working Capital Fund**

340    357

DOE's Working Capital Funds is a revolving fund established to address costs associated with building occupancy (rent), utility services (electric, gas, water & sewage), building maintenance and renovation, office supply, copying & printing, etc.

**Total, Program Direction**

**5,500**    **1,500**

Departmental Administration/  
Office of Indian Energy Policy and Programs

FY 2012 Congressional Budget

## Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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### Salaries and Benefits

Due to pay freeze, OIEPP anticipates only a marginal increase in the total cost of staff salaries and benefits for scheduled within grade promotions.

+ 8

### Support Services

OIEPP plans to use prior year unobligated balances to conduct an Indian Energy Summit.

- 3,999

### Other Related Expenses

With a marginal increase in anticipate training costs to develop and maintain the staff, and full staffing of the OIEPP by FY 2012, and an increase in costs associated with the WCF such as office supplies, telephone, copying, space, etc., will be offset with the reduction in office support costs associated with the reduction in onsite contracting Indian Energy Summit support staff.

- 9

### Total Funding Change, Program Direction

- 4,000

## Support Services by Category

	FY 2010 Current Approp	FY 2012 Request
Support Services		
Technical Support	290	88
Management Support	3,837	40
Total, Support Services	4,127	128

## Other Related Expenses by Category

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Purchase of Goods & Services from Gov't Accounts (eXCITE)	86	60
Training	10	10
Working Capital Fund	340	357
Total, Other Related Expenses	436	427



**Office of Management**  
**Program Direction**  
**Funding Profile by Category**

	FY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	40,489	38,050
Travel	1,002	1,184
Support Services	20,022	8,221
Other Related Expenses	16,943	15,238
Total, Headquarters	78,456	62,693
Full Time Equivalents	281	290

**Mission**

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, cost estimating, policy development and oversight, and delivery of procurement services to DOE Headquarters organizations. Administrative activities include the management of Headquarters facilities and the delivery of other services critical to the proper functions of the Department. MA also fulfills the statutory responsibilities of the Chief Acquisition Officer, and through the Office of Procurement and Assistance Management, serves as DOE’s Senior Procurement Executive.

These efforts will be accomplished through:

- Engineering and Construction Management – provides corporate processes for and oversight of DOE's capital assets including environmental cleanup projects and real property; drives improvement in projects, facilities and infrastructure management systems; integrates sound fiscal acquisition and business practices into management of projects and facilities and infrastructure; conducts external independent reviews of capital asset construction projects; and manages the Program and Project Management Career Development Program to train and certify DOE's federal project directors;
- Procurement and Assistance Management – develops, implements, and maintains DOE-wide policies, procedures, programs, and management systems pertaining to acquisition, financial assistance, personal property management, and contractor resource management; and provides operational procurement services to Headquarters elements;

- Administration – provides Departmental oversight and support for printing and mail services; and Headquarters support for facilities and assets management, safety and occupational health; travel, transportation, and messenger/courier services; moving, warehousing, supplies, copier and space management; and manages the Departmental Foreign Travel and Exchange Visitor Program;
- Scheduling and Advance – manages scheduling and travel preparations for the Office of the Secretary;
- Aviation Management – manages all DOE-owned aircraft and contract aviation services for the Department world-wide by developing and implementing policies and procedures, providing technical and management assistance to program leaders and field elements with aviation responsibilities and by conducting independent oversight over all DOE elements who own or use aviation as a part of their mission; thereby, ensuring aviation operations are safe, secure, efficient and effective;
- Executive Secretariat – facilitates quality document management; ensures the timely delivery of executive commitments and information; serves as the Department's Federal Preservation Officer; and oversees the Department's Federal Advisory Committee Program; and
- Information Resources – implements the Department’s Freedom of Information Act and Privacy Act programs; and manages the Department’s Directives Management and Delegation of Authority System, and the Headquarters Library Services. Request also includes
- Secretary of Energy Advisory Board (SEAB) – administers and coordinates the activities of the Board, an external advisory board chartered under the Federal Advisory Committee Act of 1972 (Public Law 92-436). The Board and its subcommittees are the most effective means for the Secretary of Energy to obtain timely, balanced, and independent external advice on issues of national importance related to the missions of the Department of Energy.

### Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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<b>Salaries and Benefits</b>	<b>40,489</b>	<b>38,050</b>
Provides funding for MA’s and SEAB full time equivalents to include salaries, overtime, incentive awards, lump sum leave, and SES and other performance awards. Request reflects the federal pay freeze, and the functional transfer of responsibility in the Working Capital Fund allocation of federal Salaries and Benefits for FTEs associated with MA Business Lines.		

<b>Travel</b>	<b>1,002</b>	<b>1,184</b>
Provides funding for MA and 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; also includes the rental of vehicles from the General Services Administration (GSA) motor pool and the DOE fleet.		

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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<b>Support Services</b>	<b>20,022</b>	<b>8,221</b>
○ <b>Secretary of Energy Advisory Board (SEAB)</b>	<b>0</b>	<b>215</b>
Provides funding to stand up advisory board for the Secretary. Funding for contractual support to finance town-hall meetings, forums, and partnership sessions.		
○ <b>External Independent Reviews (EIRs)</b>	<b>4,203</b>	<b>2,703</b>
Finances EIRs, which provide assurance that projects are being executed at the proposed performance baseline (scope, cost, and schedule). EIRs ensure the validity of the Department of Energy’s (DOE’s) projects’ performance baselines prior to budget requests. DOE Order 413.3A, “Program and Project Management for the Acquisition of Capital Assets”, requires that EIRs be conducted by the Office of Management (MA) for projects greater than \$100M for major programs and greater than \$5M for others lacking Project Management Support Offices.		
○ <b>Earned Value Management System (EVMS)</b>	<b>1,492</b>	<b>1,009</b>
EVMS is an industry-accepted process to ensure that projects are completed on cost, schedule and within scope against a baseline; enables trend analysis and evaluation of estimated cost at completion; and provides a sound basis for problem identification, corrective actions and management re-planning. OECEM has effectively completed all EVMS certifications and will refocus on surveillance reviews on systems already certified.		
○ <b>Project Assessment and Reporting System (PARS)</b>	<b>3,240</b>	<b>800</b>
PARS provide project status and assessment information for senior management and other stakeholders (to include the Government Accountability Office (GAO), the Office of Management and Budget, and Congress). Current funding will be used to provide maintenance for the existing system.		
○ <b>Foreign Travel Management Program</b>	<b>550</b>	<b>450</b>
The Foreign Travel Management System (FTMS) is the DOE-HQ corporate electronic database that manages and tracks official foreign travel for DOE federal and contractor personnel. Funds also cover the costs of support including administrative support to address Department-wide issues pertaining to the Foreign Travel Management Program.		
○ <b>Acquisition Career Management Program</b>	<b>700</b>	<b>500</b>
Acquisition Career Management Program (ACMP) provides a training and career development certification program for contracting, purchasing, financial assistance, personal property management, contracting officers and contracting officer’s representatives. The purpose of the program is to ensure that the acquisition workforce has the knowledge and skills necessary to effectively fulfill their mission requirements. The ACMP program will train approximately 450 members of the acquisition workforce.		

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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- **ProjNet** **300** **0**  
ProjNet will be discontinued. Lessons learned will still be collected however, not loaded to the automated system. Projnet still supports our efforts to improve project management because it highlights lingering issues that need to be addressed. No funding requested.
  
- **Facilities and Infrastructure Training/Workshop (Carbon Reduction)** **200** **0**  
No funding requested. Training/Workshop will be reassessed for outyears.
  
- **Contract – Project Management Reform** **5,000** **0**  
No funding requested.
  
- **Other** **4,337** **2,544**  
Finances management and professional support services; studies, analyses and evaluations; and engineering and technical services. Areas of support also include project management control and performance, facilities and infrastructure, FAIR act, contract management and administration, database maintenance, historic preservation, and aviation assessments.

**Other Related Expenses** **16,943** **15,238**

- **Training** **133** **133**  
Provides training and course registration costs for MA employees for essential training activities.
  
- **E-Government Initiatives** **45** **45**  
Funding supports Department-wide E-Government Initiatives such as Integrated Acquisition Environment, IAE Dunn and Bradstreet, and Grants.gov.
  
- **DOECOE** **1,390** **1,130**  
Includes funding for the Office of the Chief Information Officer for the delivery of computer and network services through the Department’s Extended Common Integrated Technology (DOECOE) program.
  
- **Working Capital Fund** **12,774** **12,386**  
The Working Capital Fund covers non-discretionary costs such as space utilization, computer and telephone usage, mail service, supplies and electronic services. Funding also supports MA, OSE and SEAB office expenditures for printing and reproduction, and telecommunication needs. Funding also supports WCF transfer credit for employees whose salaries and benefits are being paid from WCF.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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- **Other** **2,601** **1,544**  
 Finances the acquisition of goods and services to support MA’s mission for HQ facility operations to include council fees, purchases from other government accounts, capital equipment, and administrative support for the Secretary’s office.

<b>Total, Program Direction</b>	<b>78,456</b>	<b>62,693</b>
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**Explanation of Funding Changes**

FY 2012 vs. FY 2010 Current Approp (\$000)
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<b>Salaries and Benefits</b>	<b>-2,439</b>
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Reduction is the net result of:

- The functional transfer of responsibility of federal Salaries and Benefits to the Working Capital Fund (WCF).
- Federal pay freeze.
- Funding includes 5 FTEs and associated payroll costs for the Secretary of Energy Advisory Board (SEAB).

<b>Travel</b>	<b>+182</b>
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Increase to support travel costs associated with the SEAB Board members and staff.

**Support Services**

<b>Secretary of Energy Advisory Board (SEAB)</b>	<b>+215</b>
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Increase provides funding for contractual support to finance town-hall meetings, forums, and partnership sessions.

<b>External Independent Reviews (EIRs)</b>	<b>-1,500</b>
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Decrease based on EIR delays in schedules of larger projects.

<b>Earned Value Management System (EVMS)</b>	<b>-483</b>
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Net funding reduction reflects savings generated by new support contract and administrative savings.

<b>Project Assessment and Reporting System (PARS)</b>	<b>-2,440</b>
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Decrease reflects administrative savings. Funding reduction will also reduce the maintenance scheduled to be performed on the existing system.

FY 2012 vs. FY 2010 Current Approp (\$000)
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<b>Foreign Travel Management System (FTMS)</b>	
Decrease reflects administrative savings. Reduction will limit system support.	<b>-100</b>
<b>Acquisition Career Management Program</b>	
Decrease will reduce the number of acquisition classes provided and personnel trained.	<b>-200</b>
<b>ProjNet</b>	
No funding requested. The ProjNet system will be discontinued in lieu of manual postings.	<b>-300</b>
<b>Facilities and Infrastructure Training/Workshop (Carbon Reduction)</b>	<b>-200</b>
No funding requested.	
<b>Contract – Project Management Reform</b>	<b>-5,000</b>
No funding requested.	
<b>Other – Support Services</b>	<b>-1,793</b>
Funding reduces the scope of existing headquarters contracts that provide financial management and professional support services; studies, analyses and evaluations; and engineering and technical services.	
<b>Other Related Expenses</b>	
<b>DOECOE</b>	<b>-260</b>
Decrease reflects the reduction of the computer and network service level provided to Headquarters employees to allow for administrative savings.	
<b>Working Capital Fund (WCF)</b>	<b>-388</b>
Net decrease associated with reduction of MA’s footprint to create savings and, where appropriate, convert MA space into common space (-\$1.3M) and WCF transfer credit for employees whose Salaries and Benefits are being paid from WCF (+\$652K), and WCF expenses associated with five (5) SEAB FTEs (+\$260K).	
<b>Other</b>	<b>-1,057</b>
Decrease reflects anticipated administrative savings. Funding reduction will limit the acquisition of goods and services required to support MA’s mission.	
<b>Total Funding Change, Program Direction</b>	<b>-15,763</b>

### Support Services by Category

	FY 2010 Current Approp	FY 2012 Request
Management Support		
Reports and Analyses Management and General		
Administrative Services	20,022	8,221
Total, Management Support	20,022	8,221

### Other Related Expenses by Category

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Other Services	2,678	1,361
Training	133	133
Purchases from Government Accounts	434	434
Supplies and Materials	722	722
Equipment	202	202
Working Capital Fund	12,774	12,386
Total, Other Related Expenses	16,943	15,238



## Office of Policy and International Affairs

### Funding Profile by Subprogram

	FY 2010 Current Appropriation	FY 2012 Request
Policy and International Affairs		
Program Direction	19,296	22,429
Policy Analysis and System Studies	1,159	441
Environmental Energy Policy Analysis	528	520
Climate Change Technology Program	9,270	5,482
	<hr/>	<hr/>
Total, Policy and International Affairs	30,253	28,872

### Mission

The Office of Policy and International Affairs (PI) serves as the primary advisor to the Secretary on domestic and international energy, climate, and technology policy. PI's role is to deliver unbiased advice to DOE's leadership on existing and prospective energy- and climate-related policies, based on integrated and well-founded data and analysis. Furthermore, through careful consideration of the actions other countries are taking or considering, and with a strategic view to how U.S. engagement with key emerging economies can support the President's economic, energy security, and environmental objectives, PI leads DOE's development and implementation of supporting international energy and climate initiatives.

The policy leadership and international work of PI is primarily performed by Federal personnel and funded through Program Direction. PI also requires some support services funds to access or obtain analysis tools and data, and to operate economic models necessary to develop strategy, evaluate policy options, lead international initiatives, and fulfill other responsibilities.

### Benefits

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

- PI's analysis of the regulatory and other factors affecting current energy markets, and its assessment of policy options for addressing these issues, are key to the Administration's ability to quickly respond to market developments;
- PI's unique ability to integrate cross-sectoral and multi-technology assessments enables it to develop integrated strategies for addressing long-term energy challenges, domestically and internationally; and
- PI's knowledge of the energy policies and challenges faced by other countries and regions helps inform U.S. policy decisions in the international arena.

PI oversees all of the Department's multilateral and bilateral relationships and agreements, and directly represents DOE and the U.S. government in a broad range of international organizations, forums, and cooperative ventures. These relationships and agreements support achievement of U.S. objectives, including:

**Departmental Administration/  
Policy and International Affairs**

**FY 2012 Congressional Budget**

- Cooperative efforts to develop and deploy the energy technologies necessary to reduce oil dependence and greenhouse gas emissions;
- Development of effective policies for improving efficiency and deploying low-carbon technologies; and,
- Creation of transparent and competitive energy markets essential to increasing investment in low-carbon energy development and infrastructure globally.

In each of these areas, PI plays a unique and critical role within the DOE organization.

### Climate Change and Other Environmental Impacts of Energy

Given the risks associated with global climate change, the United States and other countries must strive to meet increasing demands for energy services without increasing carbon emissions. This objective is pursued through the development of advanced low-carbon technologies, the implementation of policies that are supportive of their deployment, and the initiation and active support of cooperative international efforts. PI's activity in this area includes:

Developing and overseeing the implementation of effective strategies and initiatives to reduce the risks posed by global climate change:

- Implementing a Climate Change Technology Program that balances the government's technology development and deployment priorities to ensure that resources are directed to areas likely to produce the greatest long-term benefits;
- Supporting international efforts to develop and adopt technologies and policies to reduce global greenhouse gas emissions;
- Conceiving, organizing, and launching the Clean Energy Ministerial (CEM) process which promotes national action and international cooperation to accelerate global market transformation in areas such as appliance efficiency, buildings and industrial efficiency, smart grid technologies and electric vehicles.

Ensuring that energy and environmental policies are designed to achieve a balance between key objectives: environmental benefits, improved energy security, and economic growth:

- Working closely with the Environmental Protection Agency and other Federal agencies to ensure that the effect on energy technology development, energy markets and energy security is fully considered during the development of environmental regulations and policies;
- Ensuring that the development and deployment of advanced energy technologies reflects potential environmental benefits and costs;
- Encouraging efforts to improve energy efficiency or to switch to alternative fuels, especially when such shifts have both environmental and energy security benefits;
- Developing strategies that strengthen environmental protection by enabling the private sector to more effectively anticipate and plan necessary investments, by using market-based regulatory mechanisms and by select governmental incentives; and,
- Supporting international efforts, such as the International Partnership for Energy Efficiency Cooperation (IPEEC), the Renewable Energy and Energy Efficiency Partnership (REEEP) and the Sustainable Energy Finance Alliance that are designed to achieve, through public-partnerships, both energy and environmental objectives, with a focus upon market development of cleaner, more efficient energy technologies and through commercializing financing, "market

pull/market push” strategies and infrastructure building efforts to increase the competitiveness of U.S. clean energy technology exports.

- Working with Export Credit Agencies and Multilateral Development Banks to develop carbon policies in line with U.S. environmental and economic objectives.

### Energy Diversity

As the world’s largest producer and consumer of energy resources, the U.S. must play a leading role in ensuring a secure energy future. A major focus of PI’s domestic and international efforts is the development and implementation of policies to increase U.S. energy options, reduce our dependence on hydrocarbons, and enhance the capability of markets to respond to supply disruptions and to adjust to changing circumstances. These goals are pursued through the development of domestic regulatory and economic policies, as well as active cooperation with a broad range of countries and international organizations representing all regions of the world, and all stages of energy and economic development. PI supports the achievement of these objectives by:

Increasing supplies of energy from more diverse domestic and foreign sources by:

- Developing policies to spur domestic energy production, with appropriate environmental safeguards;
- Fostering energy resource investments and development in a broad range of technologies and countries; and,
- Participating in and analyzing the strengths and weaknesses of key international energy organizations, including, but not necessarily limited to, the International Energy Agency (IEA), the International Atomic Energy Agency (IAEA), Asia–Pacific Economic Cooperation (APEC), the Latin American Energy Organization (OLADE), the Regional Association of Oil Companies and Natural Gas in Latin America and Caribbean (ARPEL), and the Commission for Regional Integration (CIER), with a view toward crafting an overall U.S. government approach to the optimal use of international energy organizations to further U.S. international energy policy goals and carry out cooperative activities.

Reducing U.S. demand for oil through improvements in motor vehicle fuel economy and the introduction of alternative energy sources and technologies by:

- Developing strategies for substantially improving motor vehicle fuel economy, without endangering public safety or the competitiveness of domestic vehicle manufacturers;
- Developing policies and programs to promote the demonstration and commercialization of electric vehicles.
- Assessing options for enabling alternatives to petroleum products to be increasingly introduced in the transportation sector.

Enhancing the ability of markets to respond to energy market disruptions, and to adjust to changes in motor fuel regulations and sources by:

- Examining the role of state and federal fuel quality and content requirements on market responsiveness and overall price levels.
- Encouraging energy market reforms, both domestically and internationally, which increase competition and responsiveness to changing market conditions;

- Periodically assessing the adequacy of U.S. markets, strategic energy reserves, and emergency response agencies to mitigate the impacts of energy supply disruptions; and,
- Ensuring that U.S. companies and agencies are prepared to coordinate their emergency response activities with the International Energy Agency and other international forums.

### Energy Security

Promoting America's energy security through reliable, clean, and affordable energy is one of the five strategic themes which serve as a roadmap to help the Department achieve its overarching mission. Our vision of a safe, secure energy future is based upon speeding the transition to a clean energy economy, and will strengthen our national security, promote economic prosperity, and improve our environment. To advance these goals, PI works with foreign governments and institutions to foster regional and global energy security, and promote the use of technologies and practices in clean and renewable energy, and energy efficiency.

PI conducts similar bilateral and multilateral efforts in other regions of the world that include, for example, major initiatives with the European Union, APEC, China, India, Japan, Indonesia, Russia, Saudi Arabia, Kazakhstan, the United Arab Emirates, Iraq, Turkey, Israel, as well as critical African partners and work through the International Energy Forum and the International Energy Agency.

For example, Western Hemisphere, PI is focusing its efforts on advancing a hemispheric clean energy agenda and facilitating the development and implementation of various bilateral clean energy initiatives by overseeing and coordinating the following initiatives for the Department:

- The Energy and Climate Partnership of the Americas (ECPA), to foster partnerships across the Americas to achieve low carbon economic growth and development.
  - DOE launched, and is funding and providing technical assistance for sustainable market projects under the Low Carbon Communities of the Americas (LCCA) program.
  - DOE is providing technical assistance for the creation and development of Regional Clean Energy Centers.
- The U.S.-Canada Clean Energy Dialogue, to reduce greenhouse gases and combat climate change in both countries. DOE and Canadian agencies are implementing 20 projects in the areas of carbon capture and storage, electricity grid/smart grid, and clean energy research and development in advanced biofuels, clean engines, and energy efficiency.
- The U.S.-Mexico Bilateral Framework on Clean Energy and Climate Change, to facilitate common efforts to develop green economies and implement clean energy technologies. The Framework focuses on: renewable energy, energy efficiency, adaptation, market mechanisms, forestry and land use, green jobs, low carbon energy technology development, and capacity building.
- The U.S.-Argentina Bilateral Energy Working Group, to enhance development of low-carbon energy technologies and strengthen the bilateral energy relationship. Initial areas for cooperation include: climate change and renewable energy, energy efficiency, and civilian nuclear energy.
- The U.S.-Brazil Bilateral Energy Working Group, to enhance development of low-carbon energy technologies and strengthen the bilateral energy relationship. Initial areas for cooperation include: low carbon fossil fuels, energy efficiency and renewable energy, and civilian nuclear energy.

## Energy Infrastructure

The capacity and quality of the U.S. energy sector's infrastructure are key to its reliability and efficiency, as well as to its ability to accommodate new sources of supply. PI pursues these objectives by:

- Assuring sufficient reliable capacity for importing, refining, generating, and distributing energy within North America;
- Assessing options for ensuring that U.S. refining and distribution systems can accommodate the introduction of fuels derived from unconventional oils, synthetic fuels and other new energy resources; and,
- Exploring options for creating a motor vehicle fuel distribution system that is capable of accommodating new technologies and fuels, including biofuels, net-based electricity for plug-in hybrids and, ultimately, hydrogen.

## Energy Productivity

The economic efficiency of the U.S. energy sector is critical to the success of the U.S. economy. Well functioning and competitive energy markets are one means of ensuring that productivity, but this objective is also supported by the development and deployment of improved energy supply and end-use technologies. PI pursues these objectives by:

- Encouraging the development of innovative financing mechanisms and incentives to accelerate the introduction of new supply and end-use technologies;
- Developing strategies and policies that foster energy efficiency investments domestically and internationally, including expansion of energy efficiency standards where appropriate; and,
- Ensuring that existing efforts to encourage or require improved energy efficiency maximize the long-term benefits for consumers.

**Policy and International Affairs  
Program Direction**

**Funding Profile by Category**

	FY PY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	16,331	16,880
Travel	740	1,000
Other Related Expenses	2,225	4,549
Total, Headquarters	19,296	22,429
Total, Full Time Equivalents	120	114

**Detailed Justification**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Salaries and Benefits**

**16,331      16,880**

In FY 2012, most of PI's program work will be performed by federal personnel. This includes salary and benefits, overtime pay, cash incentive awards, lump sum leave payments and performance awards and reflects federal pay freeze.

**Travel**

**740      1,000**

These funds are used for international travel to support global dialogue addressing energy security issues, as well as domestic travel to describe and discuss our national energy policy initiatives and programs. They also fund travel to meetings relevant to domestic and international energy, science and technology, and environmental policies, as well as meetings with stakeholders and energy policy professionals.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Other Related Expenses**

**2,225      4,549**

The FY 2012 request provides funding for various operating expenses including working capital fund expenditures, information technology support and acquisition, LAN administration, E-Gov, subscriptions, training, and interpreters.

**Total, Program Direction**

**19,296      22,429**

**Explanation of Funding Changes**

FY 2012 vs. FY 2010 Current Approp (\$000)
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PI anticipates a staffing level decrease to 114 FTE. Concurrently, Working Capital Fund, Miscellaneous expenses, Travel and other Program Direction line items have not been historically budgeted to align with long-term actual costs. The FY12 PI budget attempts to correct the mis-alignment between Program Direction budget request levels and actual expenses.

**Total Funding Change, Program Direction**

**+3,133**

**Other Related Expenses by Category**

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Training	103	70
Working Capital Fund	1,770	2,350
Miscellaneous	352	2,129
Total, Other Related Expenses	2,225	4,549

## Policy Analysis and System Studies

### Funding Schedule by Activity

	FY 2010 Current Approp	FY 2012 Request
Policy Analysis and System Studies	<b>1,159</b>	<b>441</b>

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

### Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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<b>Policy Analysis and System Studies</b>	<b>1,159</b>	<b>441</b>
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- **PI Energy Modeling Activities**  
 Funding will be used to update PI's U.S. energy supply and demand models, and U.S. - and World-MARKAL models (MARKAL is a generic model used to predict the evolution over decades of specific energy systems) and other quantitative analysis tools. PI requires improved modeling capabilities in all energy sectors from primary energy (e.g., fossil fuels, renewable energy, nuclear) to energy conversion (e.g., refineries, heat production, electricity production, hydrogen production, coke ovens) to final energy products (e.g., motor fuels, electricity, hydrogen, heat) to energy technologies in final demand (e.g., industry, transport, buildings) and finally to energy service demand (e.g., travel, cooling, heating, power). These capabilities provide a greatly expanded basis to support key Administration policy initiatives with prompt and logically consistent analysis of different policy scenarios; also provides cost-benefit analysis for Administration proposals.
- **Transportation Energy Efficiency and Advanced Fuels Analyses**  
 Funds will be used to examine fuel economy standards for light and heavy duty vehicles, methods of improving fuel economy, potential use of alternative fuel vehicles, impacts on domestic and foreign manufacturers, vehicle price impacts, and effects on safety, and air quality. Analysis will provide comparison of impacts from 2010 to 2030. Additionally methods for evaluating the effects vehicle efficiency standards have on vehicle miles traveled and evaluating the energy security premium for policies that reduce petroleum consumption.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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- **Energy and Water**  
Funds will be used to quantify, at the regional level, the significance of water as a constraint on energy development. It will also identify cases in which energy development has been hampered and will ascertain the contribution of water resource limitations on energy development. PI will estimate the effect limited water availability may have on energy development under different scenarios.
- **Energy Market Disruptions**  
Funds will be used to assess the likelihood and effects of energy supply disruptions and analyze government actions to avoid or minimize adverse effects. Assessments of supply security including oil production outages, refinery outages, possible adverse consequences of commodity markets, and strengthen U.S. and other disruptions such as logistical difficulties, boutique fuels or environmental requirements. Policy Analysis and Systems studies directly support responses to energy market disruptions, including analysis and coordination with the Office of Electricity Delivery and Energy Reliability, the Energy Information Administration, the Strategic Petroleum Reserve, the Office of the Secretary and White House offices. This program also supports analysis and coordination with the Environmental Protection Agency and the Commodities Futures Trading Commission International response capabilities.
- **Critical Materials**  
Funds will be used to evaluate factors pertinent to the demand and supply side risks, and within a Critical Materials Strategy Framework, develop policies and programs to increase U.S. energy security. Critical materials are those that are integral to meeting the clean energy goals but are at risk of a supply shortage particularly when combined with demand spikes.

<b>Total, Policy Analysis and System Studies</b>	<b>1,159</b>	<b>441</b>
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**Explanation of Funding Changes**

FY 2012 vs. FY 2010 Current Approp (\$000)
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In FY 2012 the Policy Analysis and System studies program of work will reduce emphasis on Transportation Energy Efficiency and Advance Fuels Analyses, and improved modeling capabilities in researching the various energy sectors.

<b>Total Funding Change, Policy Analysis and System Studies</b>	<b>-718</b>
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## Environmental Energy Policy Analysis

### Funding Schedule by Activity

FY 2010 Current Approp	FY 2012 Request
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Environmental Energy Policy Analysis	<b>528</b>	<b>520</b>
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PI is the Department’s lead representative in interagency, intergovernmental, and international proceedings relating to climate change. Some of the program work of PI is accomplished via contract efforts funded in Environmental Energy Policy Analysis.

### Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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Environmental Energy Policy Analysis	<b>528</b>	<b>520</b>
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- **Input to Federal Rulemakings with Potential Energy Effects**

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

- **Market Assessment of Low Green House Gas Fuels Standards**

Analysis will explore domestic and international renewable and alternative fuel production potential, the feasibility of the current petroleum fuel production, as well as the transportation and distribution infrastructure to incorporate renewable fuels, alternative fuels, and feeds tacks into existing or alternative fuel in the retail market.

- **Cost-Effective Incentives for Clean Energy Market Development**

- **Domestic.** Evaluate costs/benefits of alternative policy interventions and financial instruments to spur domestic marketplace investment in commercial deployment of clean energy technologies for more efficient, productive, sustainable, and environmentally sound use of energy resources. Support development of cost-effective policy instruments which complement Administration and private sector technology innovation efforts, especially options that minimize use of federal resources, maximize use of market forces, and leverage private sector resources. Build on developed commercial risk frameworks; conduct business case studies; perform analyses that address core drivers, risks, and costs of investment in targeted energy market segments; and evaluate leading options through specific cases/pilots, focusing on industrial gasification, distributed energy and bio-refineries.

- International. Conduct outreach, build innovative and replicable analytical and measurement tools, and form partnerships to improve the uptake of clean energy technologies in emerging markets. Drawing from experience in U.S. domestic markets and in consultation with private partners, provide leadership to other U.S. government agencies and donors in developing innovative solutions to market barriers. This includes targeted incentives, financial products, practical policies and appropriate pre-feasibility studies. Organize interagency cooperation to accomplish goals and engage other donor governments, International Financial Institutions, host governments, technology vendors, project developers, interested investors and other parties, including in support of the President’s National Export Initiative, as appropriate.
- Integrated Analysis of Large Scale Carbon Capture and Storage (CCS) Technology  
 Project utilizes model of current and anticipated future technology options to examine feasibility of incorporating carbon capture technology as an alternative to meeting efficiency improvements for existing plants. As CCS activities progress, this analysis would support inevitable policy and legal issues that would emerge with commercialization, especially with regard to Federal and State responsibilities. To be done in collaboration with the Office of Fossil Energy.

<b>Total, Environmental Energy Policy Analysis</b>	<b>528</b>	<b>520</b>
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**Explanation of Funding Changes**

FY 2012 vs. FY 2010 Current Approp (\$000)
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In FY 2012 the Environmental Energy Policy Analysis program of work will reduce emphasis on market assessment of Low Green House Gas Fuels standards, and integrated analysis of Large Scale Carbon Capture and Storage (CCS) Technology.

<b>Total Funding Change, Environmental Energy Policy Analysis</b>	<b>-8</b>
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**Climate Change Technology Program  
Funding Schedule by Activity**

	FY 2010 Current Approp	FY 2012 Request
Climate Change Technology Program	<b>9,270</b>	<b>5,482</b>

The Office of Policy and International Affairs (PI) provides strategic direction on climate-related policy, technology, and international cooperation initiatives. Also, PI and serves as the primary DOE liaison with other Federal agencies via the multi-agency Climate Change Technology Program (CCTP).

A core component of the Department’s climate technology activities include its modeling and analytical capabilities. DOE/CCTP formulates policy recommendations for the Department on how to optimize both innovation investment and deployment policy.

**Benefits**

Domestic Policy and Technology

To drive progress toward achieving the Administration’s goal of reducing U.S. GHG emissions by 83% below 2005 levels by 2050, DOE/CCTP identifies, evaluates, and recommends to DOE potential new energy and climate policies, regulatory mechanisms, and programs that accelerate the development and deployment of clean energy technologies, increase the adoption of energy efficiency, or otherwise reduce greenhouse gas emissions across various sectors of the economy. In particular, to strengthen research, development, and demonstration, DOE/CCTP supports DOE portfolio analyses to identify gaps and make public investment recommendations. To accelerate deployment and formulates policy recommendations for consideration within the Department. In addition, DOE/CCTP provides quick-turnaround input on emerging energy and climate legislative and regulatory opportunities in order to ensure that they efficiently address market barriers to the cost-effective scale-up of clean energy.

International Policy and Technology

In recognition of the need to minimize climate change impacts resulting from global emissions growth, most of which will come from non-OECD countries, DOE focuses significant attention on driving international cooperation on clean energy development and deployment. Of particular note is the leadership role that DOE played in conceiving, organizing, and launching the Clean Energy Ministerial (CEM). Driven by a series of high-level meetings, the CEM process seeks to promote implementation of domestic policies and programs, as well as international cooperative efforts that advance clean energy technologies. The meetings provide an opportunity to assess progress and encourage further ambition.

During the first meeting of the CEM on July 19<sup>th</sup> and 20<sup>th</sup> in Washington, D.C., ministers from 24 governments took action to accelerate the global transition to clean energy. The ministers launched 11 new cooperative initiatives that employ robust technical work, stakeholder engagement, and high-level policy dialogue to

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

**FY 2012 Congressional Budget**

encourage national policies, public-private initiatives, and international cooperative efforts that overcome barriers to clean energy development and deployment. Preliminary analysis by Lawrence Berkeley National Labs and DOE indicates that these initiatives will avoid the need to build more than 500 mid-sized power plants in the next 20 years while also promoting the rapid deployment of electric vehicles, supporting the growing global market for renewable energy and carbon capture technologies, bringing solar lanterns or other improved energy services to more than 10 million people without access to grid electricity by 2015, and helping to encourage women to pursue careers in clean energy.

With the U.S. serving as the Secretariat for the CEM and leading several high-priority initiatives, DOE has a critical role to play in ensuring that the momentum generated during the first meeting of the CEM is sustained and enhanced, and that the initiatives translate to significant and multilateral action in the near-term.

### Climate Economics and Modeling

DOE has developed an advanced analytical toolkit to support its domestic and international priorities. In particular, the quantitative modeling capabilities within DOE support three key policy and technology decision areas. First, DOE modeling highlights the role of public investment in achieving Administration climate and clean energy goals at least cost and supports related budgetary optimization. This work is conducted collaboratively with multiple DOE offices, including the Office of the Under Secretary for Energy and the Office of the Chief Financial Officer. Second, DOE modeling provides integrated analysis of key legislative, regulatory and program implementation choices related to Administration clean energy goals as well as specific design guidance on these policies where appropriate. Third, DOE modeling supports the international policy agenda by providing similarly integrated analysis of global clean energy policy options.

These modeling capabilities rest on a state-of-the-art modeling toolkit developed specifically to support this diverse agenda. The toolkit includes several US and global energy-economic models developed at DOE and within the National Laboratory System. These models provide detailed analysis of the energy system response to various economy-wide or technology-specific policies. The toolkit also includes two computable general equilibrium (CGE) models to provide analysis of the macroeconomic implications of such policies. DOE is actively calibrating its CGE models to its energy models in order to improve analytical consistency. Finally, DOE leads and supports expert community activities to facilitate continued development of these models and to ensure that such tools are deployed using the best possible methods.

### **Detailed Justification**

In FY 2012 and beyond, DOE/CCTP will continue its work to optimize both innovation investment and deployment policy for the Department to accelerate the global transition to clean energy. The work will be focused both domestically and internationally, grounded in careful analysis in every case. The domestic team will focus on informing clean energy RDD&D strategy and ensuring that emerging climate and energy policies efficiently address market barriers to enable cost-effective scale-up of clean energy. The international team will continue driving cooperation on clean energy among major economies, with a particular focus on the Clean Energy Ministerial process (CEM), which is an emerging international clean energy dialogue with real potential to spur near-term multilateral action to develop and deploy clean energy technologies. In its capacity

as Secretariat, it will plan and provide support for forthcoming meetings of the Clean Energy Ministerial (the second Clean Energy Ministerial meeting is scheduled for April 2011 in the United Arab Emirates and the third for 2012 in the United Kingdom). Furthermore, as the lead country for several of the initiatives launched at the first meeting of the Clean Energy Ministerial, which was hosted by the Secretary of Energy in July 2010, CCTP will work closely with other participating countries to implement those initiatives.

Both the domestic and international teams will draw on detailed energy-economic modeling and analysis from the climate economics team. DOE will also take advantage of synergies between the domestic and international teams. Such efforts may include the collection of the data and expert judgment needed to optimize U.S. public investment in clean energy RDD&D, taking into account public RDD&D investment by other major economies and the expected global technology cost reductions from such collective investment.

In order to increase its capacity to integrate efforts along the full spectrum of the clean energy technology innovation and deployment chain, DOE will engage a wider spectrum of the expert community to develop novel methodologies for RDD&D portfolio optimization and enhance its core modeling capabilities by soliciting expert review of its technology and other mitigation supply assumptions. DOE will offer analytic services to other agencies where appropriate to further its mission.

<b>Total, Climate Change Technology Program</b>	<b>9,270</b>	<b>5,482</b>
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### Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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<b>Total Funding Change, Climate Change Technology Program</b>	<b>-3,788</b>
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In FY 2012, the priorities are to identify, evaluate, and recommend to the Department public investments, programs, and policies that accelerate the development and deployment of clean energy technologies, increase the adoption of energy efficiency, or otherwise reduce greenhouse gas emissions across various sectors of the economy. Funding level anticipates certain CCTP activities will have been completed or will otherwise be de-emphasized, including:

- Completed core work to identify non-technical barriers to greater clean energy technology deployment and will also be able to draw on increasingly robust Departmental programs focused on these topics, so work in this area can be scaled back in FY12;
- Completed much of its initial work plan regarding the interactions between energy technologies and water supply, so this work can be scaled back in FY12—though PI will continue to coordinate with DOE program offices, national labs, and other agencies on related follow up;

Departmental Administration/  
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 Climate Change Technology Program

FY 2012 Congressional Budget

- Developed a full suite of powerful analytic tools including energy systems and macroeconomic models as well as capacity in cost-benefit, applied economics and financial policy analysis; maintain these robust capabilities, which will be vital for its policy recommendations and analysis of technology portfolios, but investment in further augmentation will be substantially reduced as the balance of activity shifts toward maintenance of existing capabilities; and, reduced investment in lower priority special analyses.



**Public Affairs  
Program Direction**

**Funding Profile by Category**

	FY 2010 Current Approp	FY 2012 Request
Program Direction		
Salaries and Benefits	3,000	3,100
Travel	90	70
Support Services	130	100
Other Related Expenses	1,280	531
Total, Program Direction	4,500	3,801
Full Time Equivalents	25	26

**Mission**

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 directly supports the mission of the Department and the Secretary of Energy. Functions include communicating the departmental message, its policies, initiatives and information to the news media and the general public; managing and coordinating public affairs activities for DOE headquarters, field offices, and DOE laboratories; serving as DOE’s primary spokesperson; responding to requests for information from the public and the news media; arranging interviews with the news media; 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 which communicate departmental activities.

The Office of Public Affairs is also home to the Department’s New Media program which drives our mission online via websites, social networks, multimedia, blog outreach, citizen engagement tools and other emerging online communication technologies. New Media is an innovative and growing part of our mission as we seek to better serve the public in more efficient and effective ways online. It is through our new media program that we are accomplishing open government principles of making government more transparent, collaborative and participatory.

## Detailed Justification

	FY 2010 Current Approp	FY 2012 Request
<b>Salaries and Benefits</b>	<b>3,000</b>	<b>3,100</b>
Salaries and benefits provide funding for up to 26 full-time permanent and other than full-time permanent employees, overtime pay, cash incentive awards, lump sum leave payments, Senior Executive Service and other performance awards, and reflects the federal pay freeze.		
<b>Travel</b>	<b>90</b>	<b>70</b>
Travel budget reflects funding for PA officials to accompany the Secretary, Deputy Secretary, and Under Secretaries on official domestic and international travel, to arrange and lead media events and attend conferences and meetings with Public Affairs Field Directors to convey DOE initiatives and policies.		
<b>Support Services</b>	<b>130</b>	<b>100</b>
Provides funding for professional support services for producing the daily news clips, radio/TV monitoring and transcription services; on-line research and newswire services (Lexis/Nexis), Federal News, Critical Mention (a broadcast monitoring service) Hotline/Greenwire, and library reference materials; and for technical support services (maintenance and software upgrades for the Content Management System, front- and backend web design and development), and funding for E-Gov and expanded online communication initiatives.		
<ul style="list-style-type: none"> <li>• Subscriptions <span style="float: right;">73</span> <span style="float: right;">25</span></li> <li>• IT Services and new media <span style="float: right;">52</span> <span style="float: right;">65</span></li> <li>• Publications <span style="float: right;">5</span> <span style="float: right;">10</span></li> </ul>		
<b>Other Related Expenses</b>	<b>1,280</b>	<b>531</b>
Other related expenses include the Working Capital Fund, which covers items such as office space, building operations and maintenance, postage, telephone service, printing and graphics, copying, desktop services, supplies, equipment, personnel security investigations; employee training and development services; operating and maintenance costs of the Standard Accounting and Reporting System (STARS); purchase of goods and services from government accounts (IT services provided		
<b>Departmental Administration/ Public Affairs</b>		<b>FY 2012 Congressional Budget</b>

under the eXCITE initiative); and communications products and services.

	FY 2010 Current Approp	FY 2012 Request
• Working Capital Fund	750	500
• Training	15	5
• eXCITE	100	7
• Other miscellaneous administrative support services	10	5
• Communications products and services	405	14
<b>Total, Program Direction</b>	<b>4,500</b>	<b>3,801</b>

### Explanation of Funding Changes

#### Salaries and Benefits

Increase due to funding one additional FTE .

+100

#### Travel

Decrease due to a concerted effort to minimize travel requirements.

- 20

#### Support Services

Reduce spending on duplicative and non-priority subscriptions.

-30

**Other Realted Expenses** Reduction in planned outreach and education campaign.

-749

**Total Funding Change, Program Direction**

**-699**

### Support Services by Category

	FY 2010 Current Approp	FY 2012 Request
Technical Support		
Management Support Services	130	100
Total, Technical Support	130	100

**Other Related Expenses by Category**

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Purchase of Good & Services from Gov't Accounts (eXCITE)	100	7
Training	15	5
Working Capital Fund	750	500
Other miscellaneous administrative support services	10	5
Communications products and services	405	14
Total, Other Related Expenses	<b>1,280</b>	<b>531</b>

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

	FY 2010 Current Approp	FY 2012 Request
Products Sold:		
Savannah River Ops Office	6,200	6,200
Services Performed:		
NNSA Service Center	7,150	7,150
Chicago Operations Office	3,746	3,746
Lawrence Berkely Laboratory	2,866	2,866
Oak Ridge National Laboratory	9,861	9,861
Pacific Northwest Laboratory	144	144
Savannah River Ops Office	15,370	16,370
Richland Operations Office	550	550
National Energy Technology Laboratory	300	300
National Renewable Energy Laboratory	200	200
New Brunswick Laboratory	150	150
Idaho Operations Office	1,000	1,000
Subtotal, Services Performed	41,337	42,337
Total, Associated Revenues	47,537	48,537

**Description**

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

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

**Benefits**

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

**Detailed Justification**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Products Sold**

- **Savannah River Operations Office** 6,200 6,200  
 Supports forest management and the sale of timber by U.S. Forest Service. This funding level was derived based on the personnel costs for the 49 full time equivalent employees (FTEs) of the U.S. Forest Service who support the Savannah River Timber Management Program, and the historical costs, adjusted for inflation, associated with contractual support for services, radio maintenance, reforestation activities, surveying and monitoring of protected, endangered, and threatened species, archeology surveys and various research studies.

**Services Performed** 41,337 42,337

- **NNSA Service Center** 7,150 7,150  
 Provides miscellaneous services for state and local governments, such as the shipment of surplus HEU and Low Enriched Uranium (LEU) from Y-12 for use in foreign research and test reactors; homeland security training activities for state and local governments; water quality studies in support of the California State Water Resources Control Board by Lawrence Livermore National Laboratory; systems engineering oversight in addressing the threat of terrorism in the maritime industry for the Port of Los Angeles by Sandia National Laboratory and training, mentorship and laboratory capabilities in the area of biomaterial interfaces and systems research for the University of Arizona by Sandia National Laboratory.
- **Chicago Operations Office** 3,746 3,746  
 Funding will support research for protection of public health and safety. Proposals are in process to Amtrak, NY Metro, NY Transit and Baltimore Metro to aid in the protection of these cities transit systems. In addition, work is to be performed in support of Illinois Department of Transportation, and the City of Chicago.
- **Lawrence Berkeley Laboratory** 2,866 2,866  
 Work is in support of various state and local government sponsors, and universities in the areas of indoor and outdoor air quality, water research, basic biological, environmental energy and genomic research.
- **Oak Ridge National Laboratory** 9,861 9,861  
 Funding will support: 1)research and development for bioassay samples; 2) provide dosimetry services; 3) provide support for the joint ORNL-TVA high-performance

Research and Education computer network being constructed across Tennessee and into Mississippi; 4) provide support for deployment of a world class HPC environment of unprecedented capability and capacity to empower U.S. academic research community; 5) work in computational chemistry with University of Tennessee (UT); and 10) R&D support to various universities including the University of Tennessee.

• <b>Pacific Northwest Laboratory</b>	144	144
Supports water resources modeling for King County, Washington, and other municipalities.		
• <b>Savannah River Operations Office</b>	15,370	16,370
Receive, manage and provide interim storage of Foreign Research Reactor Spent Nuclear Fuel. The funding level was derived based on the historical transportation cost of a shipment from a country, unloading costs for a shipment at the port, satellite tracking costs, and overland shipment support activities such as emergency preparedness training and other needs of the country involved with the shipment. Facility operating costs based on allocation of incremental costs at the facility (and supporting organizations) to receive and unload foreign casks.		
• <b>Richland Operations Office</b>	550	550
Supports the Volpentest HAMMER Training and Education Center. Training covers all elements of worker health and safety as well as hazardous waste worker and radiological worker training, general construction industry programs, fire response and environmental restoration programs.		
• <b>National Energy Technology Laboratory</b>	300	300
Funding will support Renewable Energy Technology deployment and Energy Efficiency efforts conducted for state government entities.		
• <b>National Renewable Energy Laboratory</b>	200	200
Funding will support Renewable Energy Technology deployment and Energy Efficiency efforts conducted for state governments or state government sub-units.		
• <b>New Brunswick Laboratory</b>	150	150
Supports the State of Maryland in the use of coal combustion by-products for the prevention and reduction of water pollution. Develop and implement new technologies and approaches that will prevent acid mine drainage formation and reduce its impact.		
• <b>Idaho Operations Office</b>	1,000	1,000
Under the DOE non-proliferation mission, Idaho accepts Foreign Research Reactor (FRR) spent nuclear fuel from low income and high income countries. Shipments in FY 2008 will be funded with prior year unobligated balances. Funds will support anticipated shipments from Japan.		
<b>Total, Cost of Work for Others</b>	<b>47,537</b>	<b>48,537</b>

## Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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**Products Sold:**

There is no change from FY 2012 to FY 2010.

0

**Services Provided:**

The increase is due to additional costs associated with shipment of the Foreign Research Reactor Spent from other countries.

+1,000

**Total Funding Change, Cost of Work for Others**

+1,000

**Revenues Associated with Cost of Work for Others  
Funding Profile by Category**

	FY 2010 Current Approp	FY 2012 Request
Products Sold:		
Savannah River Ops Office	-6,200	-6,200
Services Performed:		
NNSA Service Center	-7,150	-7,150
Chicago Operations Office	-3,746	-3,746
Lawrence Berkely Laboratory	-2,866	-2,866
Oak Ridget National Laboratory	-9,861	-9,861
Pacific Northwest Laboratory	-144	-144
Savannah River Ops Office	-16,370	-16,370
Richland Operations Office	-550	-550
National Energy Technology Laboratory	-300	-300
National Renewable Energy Laboratory	-200	-200
New Brunswick Laboratory	-150	-150
Idaho Operations Office	-1,000	-1,000
Subtotal, Services Performed	<hr/> -42,337	<hr/> -42,337
Total, Associated Revenues	<hr/> -48,537	<hr/> -48,537

**Description**

Associated Revenues represents the full-cost recovery offset to the Cost of Work for Others account, the program associated with providing products and services to our customers.

**Detailed Justification**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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**Products Sold**

- Savannah River Operations Office** align="right">-6,200 align="right">-6,200

Supports forest management and the sale of timber by U.S. Forest Service. This funding level was derived based on the personnel costs for the 49 full time equivalent employees (FTEs) of the U.S. Forest Service who support the Savannah River Timber Management

**Departmental Administration/  
Cost of Work for Others/  
Associated Revenues**

Program, and the historical costs, adjusted for inflation, associated with contractual support for services, radio maintenance, reforestation activities, surveying and monitoring of protected, endangered, and threatened species, archeology surveys and various research studies.

<b>Services Performed</b>	-42,337	-42,337
<ul style="list-style-type: none"> <li> <p>• <b>NNSA Service Center</b> <span style="float: right;">-7,150</span> <span style="float: right;">-7,150</span>  Provides miscellaneous services for state and local governments, such as the shipment of surplus HEU and Low Enriched Uranium (LEU) from Y-12 for use in foreign research and test reactors; homeland security training activities for state and local governments; water quality studies in support of the California State Water Resources Control Board by Lawrence Livermore National Laboratory; systems engineering oversight in addressing the threat of terrorism in the maritime industry for the Port of Los Angeles by Sandia National Laboratory and training, mentorship and laboratory capabilities in the area of biomaterial interfaces and systems research for the University of Arizona by Sandia National Laboratory.</p> </li> <li> <p>• <b>Chicago Operations Office</b> <span style="float: right;">-3,746</span> <span style="float: right;">-3,746</span>  Funding will support research for protection of public health and safety. Proposals are in process to Amtrak, NY Metro, NY Transit and Baltimore Metro to aid in the protection of these cities transit systems. In addition, work is to be performed in support of Illinois Department of Transportation, and the City of Chicago.</p> </li> <li> <p>• <b>Lawrence Berkeley Laboratory</b> <span style="float: right;">-2,866</span> <span style="float: right;">-2,866</span>  Work is in support of various state and local government sponsors, and universities in the areas of indoor and outdoor air quality, water research, basic biological, environmental energy and genomic research.</p> </li> <li> <p>• <b>Oak Ridge National Laboratory</b> <span style="float: right;">-9,861</span> <span style="float: right;">-9,861</span>  Funding will support: 1) research and development for bioassay samples; 2) provide dosimetry services; 3) provide support for the joint ORNL-TVA high-performance Research and Education computer network being constructed across Tennessee and into Mississippi; 4) provide support for deployment of a world class HPC environment of unprecedented capability and capacity to empower U.S. academic research community; 5) work in computational chemistry with University of Tennessee (UT); and 10) R&amp;D support to various universities including the University of Tennessee.</p> </li> <li> <p>• <b>Pacific Northwest Laboratory</b> <span style="float: right;">-144</span> <span style="float: right;">-144</span>  Supports water resources modeling for King County, Washington, and other municipalities.</p> </li> <li> <p>• <b>Savannah River Operations Office</b> <span style="float: right;">-16,370</span> <span style="float: right;">-16,370</span>  Receive, manage and provide interim storage of Foreign Research Reactor Spent Nuclear Fuel. The funding level was derived based on the historical transportation cost of a shipment from a country, unloading costs for a shipment at the port, satellite tracking costs, and overland shipment support activities such as emergency preparedness training and other needs of the country involved with the shipment. Facility operating costs based on allocation of incremental costs at the facility (and supporting organizations) to receive and unload foreign casks.</p> </li> <li> <p>• <b>Richland Operations Office</b> <span style="float: right;">-550</span> <span style="float: right;">-550</span>  Supports the Volpentest HAMMER Training and Education Center. Training covers all</p> </li> </ul>		

Departmental Administration/  
Cost of Work for Others/  
Associated Revenues

elements of worker health and safety as well as hazardous waste worker and radiological worker training, general construction industry programs, fire response and environmental restoration programs.

- **National Energy Technology Laboratory** -300 -300  
Funding will support Renewable Energy Technology deployment and Energy Efficiency efforts conducted for state government entities.
- **National Renewable Energy Laboratory** -200 -200  
Funding will support Renewable Energy Technology deployment and Energy Efficiency efforts conducted for state governments or state government sub-units.
- **New Brunswick Laboratory** -150 -150  
Supports the State of Maryland in the use of coal combustion by-products for the prevention and reduction of water pollution. Develop and implement new technologies and approaches that will prevent acid mine drainage formation and reduce its impact.
- **Idaho Operations Office** -1,000 -1,000  
Under the DOE non-proliferation mission, Idaho accepts Foreign Research Reactor (FRR) spent nuclear fuel from low income and high income countries. Shipments in FY 2008 will be funded with prior year unobligated balances. Funds will support anticipated shipments from Japan.

<b>Total, Cost of Work for Others</b>	<b>-48,537</b>	<b>-48,537</b>
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**Explanation of Funding Changes**

FY 2012 vs. FY 2010 Current Approp (\$000)
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**Products Sold:**

There is no change from FY 2012 to FY 2010.	0
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**Services Performed:**

There is no change from FY 2012 to FY 2010.	0
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<b>Total Funding Change, Costs of Work for Others, Associated Revenues</b>	<b>0</b>
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**Miscellaneous Revenues**  
**Funding Profile by Category**

	FY 2010 Current Approp	FY 2012 Request
Total, Mscellaneous Revenues	-72,203	-63,346

**Description**

Miscellaneous Revenues are received from the sale of by-products that have no cost associated with the Departmental Administration appropriation. These items are by-products of activities funded by other on-going departmental programs and are collected as miscellaneous revenues. Included in this estimate are revenues collected from the Reimbursable Work program for Federal Administrative Charges.

**Detailed Justification**

	FY 2010 Current Approp	FY 2012 Request
<b>Miscellaneous Revenues</b>	<b>-72,203</b>	<b>-63,346</b>

The Department expects to collect miscellaneous revenues from the following sources in FY 2010 through FY 2012.

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



# **Inspector General**



# Inspector General

**Office of Inspector General**

**Proposed Appropriation Language**

*For necessary expenses of the Office of the Inspector General in carrying out the provisions of the Inspector General Act of 1978, as amended, \$41,774,000, to remain available until expended.*



# Office of Inspector General

## Overview

### Appropriation Summary by Program

FY 2010 Current Appropriation	FY 2011 CR	FY 2012 Request
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Total, Office of Inspector General	51,927	51,927	41,774
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#### Preface

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

#### Mission

The OIG's mission, as stated in its statutory framework, is to promote the effective, efficient, and economical operation of the Department and all of its components. In addition to requirements under the IG Act of 1978, other mandated and anticipatory functions of the OIG include:

- Executive Order 12863, "President's Foreign Intelligence Advisory Board" 1993. Reports to the Intelligence Oversight Board as required quarterly and "as necessary or appropriate." This includes reviews to ensure the Department's intelligence activities are conducted in accordance with existing requirements of Executive Order 12333, "United States Intelligence Activities."
- Government Management Reform Act (GMRA) of 1994. Annual audit of Department-wide and designated component financial statements.
- National Defense Authorization Act of 2000. Annual review of Department policies and procedures with respect to the export of sensitive U.S. military technologies and information to countries and entities of concern.
- Reports Consolidation Act of 2000. Annual audit to identify the most significant management and performance challenges facing the Department.
- Federal Information Systems Management Act (FISMA) of 2002. Annual review of the Department information security systems.
- Section 522 of the Consolidated Appropriations Act of 2005. Biennial review of the actions of the Department's Chief Privacy Officer.
- American Recovery & Reinvestment Act (ARRA) of 2009. Oversight of the Department's programs, grants, and activities funded by the act.
- Government Performance and Results Modernization Act of 2010. Review the Department's efforts to track and improve performance.
- Department of Energy Orders. Audits of statements of costs incurred and claimed by the Department's integrated contractors.

## Benefits

The OIG continues to make positive contributions to the Department's mission-related priorities by identifying opportunities for cost savings, improvements in program and operational performance and efficiency; and, programs that no longer serve their intended purpose. Audit and inspection activities target the efficient and effective operation of the Department and its energy, science and national security mission. Through an aggressive investigations program, the OIG will bring to justice those attempting to defraud the Department and the taxpayers. Currently there are 247 investigations, 61 of which are related to American Recovery and Reinvestment Act funds, in process which focus on significant criminal enterprises that affect the Department's diverse activities. Also, since the inception of the American Recovery and Reinvestment Act, the OIG has provided 249 Recovery Act-related fraud awareness briefings to approximately 14,500 individuals. Examples of OIG successes and areas for future emphasis are:

- Sustaining record of attaining fines, settlements and recoveries for the Federal government, which totaled approximately \$292 million in FY 2009 and FY 2010. Specifically, the OIG:
  - Investigates cases in areas that threaten public health, contract and grant fraud, cyber security and information technology cases that often result in significant monetary returns to the Department.
  - Is currently working on 14 Qui Tam lawsuits totaling \$467 million. A recent investigation of a Qui Tam complaint being conducted with various law enforcement agencies determined that multiple contractors received or provided benefits such as rebates, influence fees, referral fees, finder's fees, discounts, and/or development funds as a result of alliance agreements. This resulted in three defendant companies agreeing to civil settlements totaling \$91.2 million, with additional companies still being investigated.
  - Participates in multi-agency taskforce investigations that may involve the Department in larger schemes to defraud the Government.
- Making recommendations that funds be put to better use which in the past three years have included issuing over 300 reports with recommendations identifying approximately \$682 million in savings and questioned costs. The OIG will continue to:
  - Review approximately \$74 billion in loan guarantee authorities for the development of innovative energy efficiency and conservation, nuclear energy, fossil technologies, and advanced technology vehicle manufacturing.
  - Evaluate the effectiveness of major environmental cleanup areas, such as the Hanford site, which totals over \$1.9 billion.
  - Evaluate major national security programs, including the National Nuclear Security Administration's nonproliferation and weapons life cycle extension programs. Review the design, construction and costs of major national security construction projects including the Proposed Chemical and Metallurgical Research (CMR) Building Replacement Project, the Uranium Processing Facility, and the MOX Fuel Fabrication Facility.

### **Annual Performance Results and Targets**

The Department is in the process of updating its strategic plan, and has been actively engaging stakeholders including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY12 budget are consistent and aligned. Updated measures will be released at a later date and available at the following link <http://www.mbe.doe.gov/budget/12budget/index.htm>.

## Program Direction

### Funding Profile by Category

	FY 2010 Current Approp	FY 2012 Request
Los Alamos Site Office		
Los Alamos National Laboratory		
Salaries and Benefits	405	122
Travel	32	5
Support Services	0	0
Other Related Expenses	31	6
Total, Los Alamos Site Office	468	133
Full Time Equivalents	3	1
 NNSA Service Center		
Albuquerque Operations Office		
Salaries and Benefits	4,042	3,666
Travel	324	161
Support Services	0	0
Other Related Expenses	292	191
Total, NNSA Service Center	4,658	4,018
Full Time Equivalents	30	30
 Chicago Operation/Princeton Plasma Physics Lab.		
Salaries and Benefits	1,347	1,222
Travel	107	54
Support Services	0	0
Other Related Expenses	97	64
Total, Chicago Operations/Princeton Plasma Physics Lab.	1,551	1,340
Full Time Equivalents	10	10
 Western Area Power Administration		
Denver Western Area Power Administration		
Salaries and Benefits	1,617	2,077
Travel	129	91
Support Services	0	0
Other Related Expenses	117	108
Total, Western Area Power Administration	1,863	2,276
Full Time Equivalents	12	17
 Idaho Operations Office		
Idaho National Laboratory		
Salaries and Benefits	943	1,100
Travel	75	48
Support Services	0	0
Other Related Expenses	68	57
Total, Idaho Operations Office	1,086	1,205
Full Time Equivalents	7	9

	FY 2010 Current Approp	FY 2012 Request
Pittsburgh Naval Reactors Office		
Pittsburgh Naval Reactors Office		
Salaries and Benefits	2,695	2,688
Travel	215	118
Support Services	0	0
Other Related Expenses	195	140
Total, Pittsburgh Naval Reactors Office	3,105	2,946
Full Time Equivalents	20	22
Nevada Site Office		
Las Vegas		
Salaries and Benefits	1,347	978
Travel	108	43
Support Services	0	0
Other Related Expenses	97	51
Total, Nevada Site Office	1,552	1,072
Full Time Equivalents	10	8
Livermore Site Office		
Lawrence Livermore National Lab		
Salaries and Benefits	2,290	2,566
Travel	182	113
Support Services	0	0
Other Related Expenses	165	134
Total, Livermore Site Office	2,637	2,813
Full Time Equivalents	17	21
Oak Ridge Operations Office		
Oak Ridge National Laboratory		
Salaries and Benefits	4,715	4,766
Travel	376	210
Support Services	0	0
Other Related Expenses	342	248
Total, Oak Ridge Operations Office	5,433	5,224
Full Time Equivalents	35	39
Richland Operations Office		
Richland		
Salaries and Benefits	2,425	1,711
Travel	194	75
Support Services.	0	0
Other Related Expenses	176	89
Total, Richland Operations Office	2,795	1,875
Full Time Equivalents	18	14

	FY 2010 Current Approp	FY 2012 Request
Savannah River Operations Office		
Savannah River Site		
Salaries and Benefits	1,751	1,711
Travel	139	75
Support Services	0	0
Other Related Expenses	127	89
Total, Savannah River Operations Office	2,017	1,875
Full Time Equivalents	13	14
Washington Headquarters		
Salaries and Benefits	6,602	5,744
Travel	527	256
Support Services	241	239
Other Related Expenses	2,779	1,934
Total, Washington Headquarters	10,149	8,173
Full Time Equivalents	49	47
Field Services Activities in Washington, D.C.		
Salaries and Benefits	4,446	3,666
Travel	355	161
Support Services	161	151
Other Related Expenses	1,805	1,043
Total, Field Services Activities	6,767	5,021
Full Time Equivalents	33	30
D.C. Field Sites (Germantown)		
Salaries and Benefits	2,964	2,077
Travel	237	91
Support Services	3,509	1,100
Other Related Expenses	1,136	535
Total, D.C. Field Sites	7,846	3,803
Full Time Equivalents.	22	17
Total Program Direction		
Salaries and Benefits	37,589	34,094
Travel	3,000	1,501
Support Services	3,911	1,490
Other Related Expenses	7,427	4,689
Total, Program Direction	51,927	41,774
Total, Full Time Equivalents	279	279

## Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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<b>Salaries and Benefits</b>	<b>37,589</b>	<b>34,094</b>
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The OIG employs auditors, investigators, and inspectors to detect and prevent fraud, waste, abuse, and violations of law and to promote economy, efficiency, and effectiveness in the operations of the Department. Additionally, this line item includes costs associated with permanent change of station moves to relocate staff to sites with critical needs, and the transit subsidy program. The OIG plans to maintain personnel levels (steady-state 279 FTEs from FY 2009) with specialized skill sets (e.g., Certified Public Accountants, Technology Crime Investigators, Certified Fraud Examiners) in order to expertly address the significant Departmental challenges in its programs and operations. It is the OIG's intent to pay for certifications and credentials (consistent with the Inspector General community), in order to retain highly qualified employees.

<b>Travel</b>	<b>3,000</b>	<b>1,501</b>
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Extensive travel is required to make first-hand observations of conditions and review original records at DOE sites; conduct interviews; follow up on leads; meet with subjects, witnesses, and U.S. Attorneys; and appear in court.

<b>Support Services</b>	<b>3,911</b>	<b>1,490</b>
-------------------------	--------------	--------------

- |              |       |       |
|--------------|-------|-------|
| <b>FISMA</b> | 3,400 | 1,013 |
|--------------|-------|-------|

The OIG will rely on the existing audit contract to perform FISMA work for DOE and FERC.
- |               |     |     |
|---------------|-----|-----|
| <b>eXCITE</b> | 485 | 452 |
|---------------|-----|-----|

The eXCITE requirement is the Information Technology (IT) desktop and application hosting support for services at Headquarters. This requirement is funded by the OIG, but is managed by the Department's Office of the Chief Information Officer.
- |              |    |    |
|--------------|----|----|
| <b>EIGPT</b> | 26 | 25 |
|--------------|----|----|

Funding for EIGPT is required for ORACLE application maintenance, data base upgrades, annual system review, ad hoc programming, as well as certification and accreditation.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
---------------------------	-----------------

<b>Other Related Expenses</b>	<b>7,427</b>	<b>4,689</b>
▪ <b>Working Capital Fund</b>	2,067	2,460
Funding is required for the OIG's share of the DOE Working Capital Fund (WCF).		
▪ <b>Information Technology Purchases</b>	368	303
Information Technology funding supports the cyclical replacement of computer hardware and software, primarily for purchases not covered under eXCITE. This funding also includes forensic hardware and software required to accomplish our investigative responsibilities.		
▪ <b>Training</b>	700	471
Training is critical for OIG staff to maintain required levels of proficiency and comply with the Inspector General Act by meeting GAO training requirements. Training is also needed to support the Council of the Inspectors General on Integrity and Efficiency standards, Hotline requirements, review and investigation of technological and computer systems and crimes, and succession planning requirements.		
▪ <b>Other Expenses</b>	4,292	1,455
Funding for other expenses include miscellaneous supplies, materials, publications, subscriptions, mandatory physicals for investigators, settlements and attorney fees, personnel security investigations, mandatory support for the Council of the Inspectors General on Integrity and Efficiency (\$455K) and other services. General support at the field sites is provided by DOE.		
<b>Total, Program Direction</b>	<b>51,927</b>	<b>41,774</b>

## Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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### Salaries and Benefits

Decrease in Salaries and Benefits is a result of funds received in FY 2010 to cover the costs for personnel hired to work on ARRA requirements. -3,495

### Travel

Decrease is due to government-wide efforts to reduce administrative costs. -1,499

### Support Services

- **FISMA**- Decrease is a result funds received in FY 2010 to conduct testing at the state and local areas such as Weatherization, Conservation, Block Grants, and State Energy Programs/ -2,387
- **eXCITE**- Decrease is a result of funds received in FY 2010 to cover costs associated with eXCITE for personnel hired to work on ARRA requirements. -33
- **EIGPT**- Decrease is a result of funds received in FY 2010 to cover the cost of capabilities added to EIGPT to modernize the data base which is central to the OIG's ability to house and maintain data used in audits, investigations, and inspections. -1

### Other Related Expenses

- **Working Capital Fund**- Increase in funding is to support new corporate processes that will be financed in the Working Capital Fund. +393
- **IT Purchases**- Decrease is a result of funds received in FY 2010 to cover the costs of IT purchases for personnel hired to work on ARRA requirements. -65
- **Training**- Decrease is a result of funds received in FY 2010 to cover the training costs for personnel hired to work on ARRA requirements. -229
- **Other Expenses**- Decrease is a result of funds received in FY 2010 to cover the cost of expenses for personnel working on ARRA requirements. -2,837

<b>Total Funding Change, Program Direction</b>	<b>-10,153</b>
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### Support Services by Category

	FY 2010 Current Approp	FY 2012 Request
Management Support		
Consulting Services	3,400	1,013
IT Services	511	477
Total, Management Support	3,911	1,490
Total, Support Services	3,911	1,490

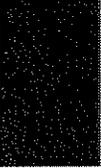
### Other Related Expenses by Category

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Working Capital Fund	2,067	2,460
Training	700	471
Other	4,660	1,758
Total, Other Related Expenses	7,427	4,689

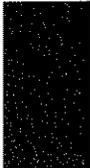
The following table provides detailed information on the development of the budget request for the Office of Inspector General (IG). The table identifies the initial FY 2012 IG budget request, the FY 2012 President's Budget Request for the IG, funding requested to support training and the Council of the Inspectors General on Integrity and Efficiency in accordance with provisions of the Inspector General Reform Act of 2008 (Pub. L. No. 110-409).

	(dollars in thousands) FY 2012
FY 2012 Initial Inspector General Budget Request	46,663
FY 2012 President's Budget Request for the Office of Inspector General	41,774
Training	471
Support Funding for Council of the Inspectors General on Integrity and Efficiency	455

The FY 2012 Budget Request will support the ability of the Office of Inspector General to perform the duties and missions of the office.



**Advanced Technology  
Vehicles Manufacturing  
Loan Program**



**Advanced Technology  
Vehicles Manufacturing  
Loan Program**

## **Advanced Technology Vehicles Manufacturing Loan Program**

### **Proposed Appropriation Language**

*For administrative expenses in carrying out the Advanced Technology Vehicles Manufacturing Loan Program, \$6,000,000, to remain available until expended.*

### **Explanation of Change**

The changes to the appropriation language include requesting \$6,000,000 for administrative expenses in FY 2012 versus the \$20,000,000 appropriated in FY 2010.



# Advanced Technology Vehicles Manufacturing Loan Program

## Overview

### Appropriation Summary by Program

(dollars in thousands)

	FY 2010 Current Appropriation	FY 2011 CR	FY 2012 Request
Advanced Technology Vehicles Manufacturing Loan Program			
Direct Loan Subsidy Costs	0		0
Administrative Operations	20,000		6,000
Total, Advanced Technology Vehicles Manufacturing Loan Program	20,000	20,000	6,000

#### Preface

Section 136 of the Energy Independence and Security Act of 2007 established the Advanced Technology Vehicles Manufacturing (ATVM) Loan Program, consisting of both grants and direct loans of up to \$25 billion in loan authority to support the development of advanced technology vehicles and associated components in the United States. The ATVM Loan Program evaluates the technical merit of the proposed advanced technology vehicles or qualifying components. Technical Program Factors such as economic development and diversity in technology, company, risk, and geographic location are also considered. In making loans to those manufacturers that have existing facilities, priority will be given to those facilities that are oldest or have been in existence for at least 20 years, even if such facilities are idle at the time of application. The program aims to help revitalize the auto industry and encourage the manufacture of environmentally responsible products through providing growth capital in an economic downturn.

#### Mission

The ATVM Loan Program provides direct loans to eligible automobile manufacturers and component suppliers for projects that reequip, expand, and establish manufacturing facilities in the United States to produce light-duty vehicles and components for such vehicles, which provide meaningful improvements in fuel economy performance beyond certain specified levels. Section 136 also allows these grants and loans to cover engineering integration costs associated with such projects.

#### Benefits

The ATVM Loan Program will support the President's goal to create new green jobs in the automotive and component manufacturing industries and will help ensure that new advanced technology vehicles meet a higher standard (at least 25% more efficient than the fuel efficiency requirement set by the Corporate Average Fuel Economy (CAFE) standard for the base year) than similarly classed conventional technology vehicles.

**Strategic Plan Implementation**

The Department is in the process of updating its strategic plan, and has been actively engaging stakeholders including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY12 budget are consistent and aligned.

## Advanced Technology Vehicles Manufacturing Program Loan Program

### Funding by Site by Program

(dollars in thousands)

FY 2010 Current Aprop	FY 2012 Request
-----------------------------	--------------------

Washington Headquarters

Administrative Operations

20,000 6,000

Total, Washington Headquarters

20,000 6,000

### Site Description

#### Washington Headquarters

The ATVM Loan Program Office is located at the DOE headquarters. The office administers a Federal Loan Program in accordance with the Section 136 of the Energy Independence Act of 2007, the Federal Credit Reform Act of 1990, as amended, and the requirements of OMB Circular A-129.



## Advanced Technology Vehicles Manufacturing Loan Program

### Funding Profile by Subprogram

(dollars in thousands)

	FY 2010 Current Appropriation	FY 2012 Request
Advanced Technology Vehicles Manufacturing Loan Program		
Direct Loan Subsidy Costs	0	0
Administrative Operations	20,000	6,000
Total, Advanced Technology Vehicles Manufacturing Loan Program	20,000	6,000

#### Mission

The ATVM Loan Program provides direct loans to eligible automobile manufacturers and component suppliers for projects that reequip, expand, and establish manufacturing facilities in the United States to produce light-duty vehicles and components for such vehicles, which provide meaningful improvements in fuel economy performance beyond certain specified levels. Section 136 also allows these grants and loans to cover engineering integration costs associated with such projects.

#### Benefits

The ATVM Loan Program will support the President's goal to create new green jobs in the automotive and component manufacturing industries and will help ensure that new advanced technology vehicles meet a higher standard (at least 25% more efficient than required by the CAFE fuel efficiency standards) than similarly classed conventional technology vehicles.

#### Annual Performance Results and Targets

The Department is in the process of updating its strategic plan, and has been actively engaging stakeholders including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY12 budget are consistent and aligned. Updated measures will be released at a later date and available at the following link <http://www.mbe.doe.gov/budget/12budget/index.htm>.

## Program Direction

### Funding Profile by Category

	(dollars in thousands)	
	FY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	1,384	640
Travel	50	25
Support Services	18,251	5,020
Other Related Expenses	315	315
Total, Headquarters	20,000	6,000
Full Time Equivalents	9	4

### Detailed Justification

(dollars in thousands)	
FY 2010 Current Approp	FY 2012 Request

**Salaries and Benefits** **1,384**      **640**  
 Provides salaries and benefits for 4 full time equivalent employees (FTEs) for portfolio management of closed loans.

**Travel** **50**      **25**  
 The travel budget supports site visits related to portfolio management activities.

**Support Services** **18,251**      **5,020**  
 The support services budget provides funding for contractor support related to portfolio management activities such as technical consultants needed for construction monitoring activities. The support services budget also provides funding for legal, financial, or technical consultants needed in the event that a project requires a financial workout.

**Other Related Expenses** **315**      **315**  
 Other Related Expenses provides ATVM's contribution to the Department's Working Capital Fund (WCF) for common administrative services at HQ, such as rent and building operations, telecommunications, network connectivity, supplies/equipment, printing/graphics, copying, mail, contract closeout, purchase card surveillance, and salary and benefit expenses for federal employees who administer the Working Capital Fund business lines per the Department's new policy being implemented in FY 2012. In addition, WCF services assessed to and used by HQ, OSTI, and the Field include online training, the Corporate Human Resource Information System, payroll processing, and the Project Management Career Development Program.

<b>Total, Program Direction</b>	<b>20,000</b>	<b>6,000</b>
<b>Advanced Technology Vehicles Manufacturing Loan Program</b>		<b>FY 2012 Congressional Budget</b>

## Explanation Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
--

### Salaries and Benefits

Decrease salaries and benefits is due to a reduction in loan origination activities as projects are closed and transferred to portfolio management. -744

### Travel

Decrease in travel is due to the transfer of projects from loan origination to portfolio management. -25

### Support Services

Decrease in support services is due to a reduction in loan origination activities as projects are closed and transferred to portfolio management. -13,231

**Total Funding Change, Program Direction** **-14,000**

### Support Services by Category

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Management Support		
Management/Professional Support Services	18,251	5,020
Total, Management Support	18,251	5,020

### Other Related Expenses by Category

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Other Services	90	90
Working Capital Fund	225	225
Total, Other Related Expenses	315	315



**Title 17 Innovative  
Technology Loan  
Guarantee Program**



**Title 17 Innovative  
Technology Loan  
Guarantee Program**

## **Innovative Technology Loan Guarantee Program**

### **Proposed Appropriation Language**

*Subject to section 502 of the Congressional Budget Act of 1974, commitments to guarantee loans for nuclear power facilities under title XVII of the Energy Policy Act of 2005 shall not exceed a total principal amount of \$36,000,000,000 to remain available until committed: Provided, That these amounts are in addition to authorities provided in any other Act, except that the cumulative commitments to guarantee loans for nuclear power facilities under title XVII of the Energy Policy Act of 2005 shall not exceed \$54,500,000,000: Provided further, That for amounts collected pursuant to section 1702(b)(2) of the Energy Policy Act of 2005, the source of such payment received from borrowers is not a loan or other debt obligation that is guaranteed by the Federal Government: Provided further, That pursuant to section 1702(b)(2) of the Energy Policy Act of 2005, no appropriations are available to pay the subsidy cost of such guarantees for nuclear power facilities: Provided further, That for the cost of loan guarantees for renewable energy system and efficient end-use energy technology projects under section 1703 of the Energy Policy Act of 2005, \$200,000,000 is appropriated, to remain available until expended: Provided further, That an additional amount for necessary administrative expenses to carry out this Loan Guarantee program, \$38,000,000 is appropriated, to remain available until expended: Provided further, That \$38,000,000 of the fees collected pursuant to section 1702(h) of the Energy Policy Act of 2005 shall be credited as offsetting collections to this account to cover administrative expenses and shall remain available until expended, so as to result in a final fiscal year 2012 appropriations from the general fund estimated at not more than \$0: Provided further, That fees collected under section 1702(h) in excess of the amount appropriated for administrative expenses shall not be available until appropriated.*

### **Explanation of Change**

The Department is seeking up to \$36,000,000,000 in additional loan guarantee authority for nuclear power projects and \$200,000,000 in appropriated credit subsidy costs for innovative energy efficiency and renewable energy projects in FY 2012. In addition, \$38,000,000 is requested for administrative expenses in FY 2012 versus the \$43,000,000 requested in FY 2010. These administrative expenses are expected to be offset by an estimated \$38,000,000 in collections from borrowers for a net zero appropriation.



## Innovative Technology Loan Guarantee Program

### Overview

#### Appropriation Summary by Program

(dollars in thousands)

	FY 2010 Current Appropriation	FY 2011 CR	FY 2012 Request
Innovative Technology Loan Guarantee Program			
Section 1703 Loan Guarantee Credit Subsidy Costs – Energy Efficiency and Renewable Energy	0		200,000
Section 1703 Loan Guarantee Credit Subsidy Costs – Other Projects	0		0 <sup>a</sup>
Administrative Operations	43,000		38,000
Section 1705 Temporary Loan Guarantee Program Administrative Operations	0		0
Subtotal, Innovative Technology Loan Guarantee Program	43,000	43,000	238,000
Offsetting Receipts	-43,000	-58,000	-38,000
Total, Innovative Technology Loan Guarantee Program	0	-15,000 <sup>b</sup>	200,000

<sup>a</sup> The Department requests up to \$36 billion in nuclear power loan guarantee authority in FY 2012 with credit subsidy costs to be paid by the borrower. The FY 2012 request shall be reduced by any amounts provided for nuclear power facilities prior to enactment of 2012 appropriations to achieve cumulative loan guarantee authority for nuclear power facilities of \$54.5 billion upon enactment of 2012 appropriations.

<sup>b</sup> Estimated offsetting collections from borrowers are expected to exceed appropriations provided to the program through the continuing resolution; any such “excess collections” will not be available for use until appropriated.

## **Preface**

The Loan Guarantee Program, as authorized under Title XVII of the Energy Policy Act of 2005, encourages early commercial use of new or significantly improved technologies in energy projects. Projects supported by DOE loan guarantees must avoid, reduce, or sequester air pollutants or anthropogenic emissions of greenhouse gases; employ new or significantly improved technologies compared to commercial technologies in service in the United States at the time the guarantee is issued; and offer a reasonable prospect of repayment of the principal and interest on the guaranteed obligation.

Section 1703 of the Act authorizes DOE to provide loan guarantees for innovative clean energy projects in categories including renewable energy systems, advanced nuclear facilities, coal gasification, carbon sequestration, energy efficiency, and various other types of projects. DOE has been implementing this program to date under authorizing law that allows borrowers to pay the credit subsidy costs of these loan guarantees (“self-pay” authority). In contrast, the 2012 Budget includes \$200 million in appropriated credit subsidy for innovative renewable energy and efficient end-use energy technology projects eligible under section 1703, which is expected to support \$1 to \$2 billion of loans for such projects. This supplements the existing \$18.5 billion in self-pay authority currently available for similar projects. For FY 2012, DOE also requests up to \$36 billion in new loan guarantee authority for nuclear power projects, which together with authority provided in prior appropriations, will result in cumulative loan guarantee authority of \$54.5 billion for nuclear power projects. Borrowers will pay the subsidy cost of the loan guarantees issued under this new authority.

Section 406 of the American Recovery and Reinvestment Act of 2009, Pub. L. No. 111-5 (Recovery Act), amended the Loan Guarantee Program Office’s (LGPO) authorizing legislation, by establishing Section 1705 as a temporary program for the rapid deployment of renewable energy and electric power transmission projects, as well as leading edge biofuels projects. The authority to enter into loan guarantees under Section 1705 expires on September 30, 2011.

The decision to issue loan guarantees will depend on the merits and benefits of particular project proposals and their compliance with statutory and regulatory requirements.

## **Mission**

The mission of the LGPO is to administer a federal loan guarantee program for innovative technology projects that avoid, reduce, or sequester air pollutants or anthropogenic emissions of greenhouse gases, and have a reasonable prospect of repaying the principal and interest on their debt obligations.

## **Benefits**

The Loan Guarantee Program will serve to bring to market more quickly advanced energy technology projects that will avoid, reduce or sequester air pollutants or anthropogenic emissions of greenhouse gases, thereby improving environmental quality. The projects supported by this program will complement and encourage industry efforts to bring more advanced technologies into the marketplace, and will serve to attract private capital to support these advanced energy technologies over time, first in a shared-risk environment and eventually without support from the government.

DOE loan guarantees will also support the growth of new energy economy jobs and, in many cases, allow areas hit by industrial and economic downturns to shift their existing resource base to future-focused energy technologies, a necessary step in establishing the United States as the leader in advanced energy technologies.

**Strategic Plan Implementation**

The Department is in the process of updating its strategic plan, and has been actively engaging stakeholders including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY12 budget are consistent and aligned.

## Innovative Technology Loan Guarantee Program

### Funding by Site by Program

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Washington Headquarters		
Section 1703 Loan Guarantee Credit Subsidy Costs – Energy Efficiency and Renewable Energy	0	200,000
Administrative Operations	43,000	38,000
Total, Washington Headquarters	43,000	238,000

### Site Description

#### Washington Headquarters

The Loan Guarantee Program Office is located at the DOE headquarters. The office administers a Federal Loan Guarantee Program in accordance with Title XVII of the Energy Policy Act of 2005, the Federal Credit Reform Act of 1990, as amended, and the requirements of OMB Circular A-129.

## Innovative Technology Loan Guarantee Program

### Funding Profile by Subprogram

(dollars in thousands)

FY 2010 Current Appropriation	FY 2012 Request
-------------------------------------	-----------------

Innovative Technology Loan Guarantee Program

Section 1703 Loan Guarantee Credit Subsidy Costs – Energy Efficiency and Renewable Energy	0	238,000
Section 1703 Loan Guarantee Credit Subsidy Costs – Other Projects	0	0 <sup>a</sup>
Administrative Operations	43,000	38,000
Section 1705 Temporary Loan Guarantee Program Administrative Operations	0	0
Subtotal, Innovative Technology Loan Guarantee Program	43,000	238,000
Offsetting Receipts	-43,000	-38,000
Total, Innovative Technology Loan Guarantee Program	0	200,000

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<sup>a</sup> The Department requests up to \$36 billion in nuclear power loan guarantee authority in FY 2012 with credit subsidy costs to be paid by the borrower. The FY 2012 request shall be reduced by any amounts provided for nuclear power facilities prior to enactment of 2012 appropriations to achieve cumulative loan guarantee authority for nuclear power facilities of \$54.5 billion upon enactment of 2012 appropriations.

**Mission**

The mission of the LGPO is to administer a federal loan guarantee program for innovative technology projects that avoid, reduce, or sequester air pollutants or anthropogenic emissions of greenhouse gases, and have a reasonable prospect of repaying the principal and interest on their debt obligations.

**Benefits**

The Loan Guarantee Program will serve to bring to market more quickly advanced energy technology projects that will avoid, reduce or sequester air pollutants or anthropogenic emissions of greenhouse gases, thereby improving environmental quality. The projects supported by this program will complement and encourage industry efforts to bring more advanced technologies into the marketplace, and will serve to attract private capital to support these advanced energy technologies over time, first in a shared-risk environment and eventually without support from the government.

DOE loan guarantees will also support the growth of new energy economy jobs and, in many cases, allow areas hit by industrial and economic downturns to shift their existing resource base to future-focused energy technologies, a necessary step in establishing the United States as the leader in advanced energy technologies.

**Annual Performance Results and Targets**

The Department is in the process of updating its strategic plan, and has been actively engaging stakeholders including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY12 budget are consistent and aligned. Updated measures will be released at a later date and available at the following link <http://www.mbe.doe.gov/budget/12budget/index.htm>.

## Loan Guarantee Authority and Credit Subsidy Costs

### Funding Schedule by Activity

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Loan Guarantee Credit Subsidy Costs		
Section 1703 Loan Guarantee Credit Subsidy Costs – Energy Efficiency and Renewable Energy	0	200,000
Section 1703 Loan Guarantee Credit Subsidy Costs – Other Projects	0	0
Total, Loan Guarantee Credit Subsidy Costs	0	200,000

### Loan Guarantee Authority Summary (borrower-paid subsidy)

(dollars in billions)

	Existing Authority	FY 2012 Request
Section 1703 Energy Efficiency and Renewables	18.5	0
Section 1703 Nuclear Power	18.5	36.0
Section 1703 Front End Nuclear	4.0 <sup>a</sup>	0
Section 1703 Advanced Fossil	8.0	0
Section 1703 Mixed	2.0	0
Total, Loan Guarantee Authority	51.0	36.0

### Estimated Loan Guarantee Ranges from Appropriated Credit Subsidy Costs

(dollars in billions)

	Existing	FY 2012 Request
Section 1705 Temporary Loan Guarantee Program (\$2.4 billion appropriated credit subsidy)	16.0-20.0	0
Section 1703 Energy Efficiency and Renewable Energy (\$200 million appropriated credit subsidy request in FY12)	0	1.0-2.0
Total, Estimated Loan Guarantees	16.0-20.0	1.0-2.0

<sup>a</sup> \$2 billion of loan authority was reprogrammed in FY 2010 from Mixed to Front End Nuclear.

**Detailed Justification**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
------------------------------	--------------------

**Loan Guarantee Credit Subsidy Costs**

- |  |          |                |
|--|----------|----------------|
| <b>Section 1703 Loan Guarantee Credit Subsidy –<br/>Energy Efficiency and Renewable Energy</b> | <b>0</b> | <b>200,000</b> |
|--|----------|----------------|

The \$200 million request for loan guarantee credit subsidy costs will support an estimated \$1 to \$2 billion in eligible loans for innovative renewable energy systems and efficient end-use energy technology projects under section 1703 of the Energy Policy Act. Innovative renewable energy projects will be increasingly sought as Federal, state, and regional actions and financial incentives affecting the deployment of clean energy technologies and renewable energy portfolio standards are implemented nationwide. The FY 2012 request also ensures that some funding is available for renewable and efficiency projects beyond the September 30, 2011 date by which Recovery Act funding must be utilized.

- |   |          |          |
|---|----------|----------|
| <b>Section 1703 Loan Guarantee Credit Subsidy<br/>Costs – Nuclear Power</b> | <b>0</b> | <b>0</b> |
|---|----------|----------|

The Department requests up to an additional \$36 billion in loan guarantee authority in FY 2012 for nuclear power projects with credit subsidy costs to be paid by the borrower. The request shall be reduced by any amounts provided for nuclear power facilities prior to enactment of 2012 appropriations to achieve cumulative loan guarantee authority for nuclear power facilities of \$54.5 billion upon enactment of 2012 appropriations. The request will allow DOE to continue due diligence and negotiations with current credit worthy applicants as well as consider other projects that DOE expects will be viable in 2012. Loan guarantees for nuclear power projects are a means to promote deployment of new plants in support of clean energy goals and demonstrate that the factors responsible for financing risk premiums are manageable, clearing the way to affordable private sector financing as quickly as possible.

Loan guarantees for nuclear power projects help project sponsors overcome barriers to affordable private sector financing such as financial risk premiums due to high “first-of-a kind” costs for new technologies, as well as construction and regulatory risks. With time, DOE will encourage the use of partial loan guarantees and other mechanisms which will ensure increased participation from private sector financial institutions so as to migrate the industry towards self-sustainability.

<b>Total, Loan Guarantee Subsidy Costs</b>	<b>0</b>	<b>200,000</b>
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## Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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### Loan Guarantee Credit Subsidy Costs

- **Section 1703 Loan Guarantee Credit Subsidy Costs – Energy Efficiency and Renewable Energy**

The \$200 million increase funds loan guarantee credit subsidy costs for innovative energy efficiency and renewable energy projects as described above. The impact of not funding this activity could result in the delay of commercialization of some innovative projects because credit subsidy costs can be cost prohibitive for many project sponsors.

+200,000

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### **Total, Loan Guarantee Credit Subsidy Costs**

**+200,000**

## Program Direction

### Funding Profile by Category

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	10,152	21,945
Travel	800	850
Support Services	13,398	10,955
Other Related Expenses	1,650	4,250
Total, Headquarters	26,000	38,000
Full Time Equivalents	66	133
Headquarters, Section 1705 Support		
Salaries and Benefits	2,768	0
Travel	150	0
Support Services	13,632	0
Other Related Expenses	450	0
Total, Section 1705 Support	17,000	0
Full Time Equivalents	18	0
Program Direction		
Salaries and Benefits	12,920	21,945
Travel	950	850
Support Services	27,030	10,955
Other Related Expenses	2,100	4,250
Total, Program Direction	43,000	38,000
Total Full Time Equivalents	84	133

### Mission

Program Direction provides the Federal staffing and contractor resources and associated costs required to provide overall direction and execution of the Innovative Technology Loan Guarantee Program including loan origination, portfolio management, legal, technical, and other operational activities.

## Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
------------------------------	--------------------

### Salaries and Benefits

**12,920**      **21,945**

Provides salaries and benefits for 133 full time equivalent employees (FTEs) to administer the following functions of the office: Director, NEPA Compliance, Legal, Credit Policy, Technical and Project Management, Management Operations, Portfolio Management, and Loan Origination.

### Travel

**950**      **850**

The travel budget supports the travel of staff members for training, attending meetings and presentations, and site visits to potential projects.

### Support Services

**27,030**      **10,955**

Support services will fund outside expertise in finance, legal, engineering, technology, credit analysis, and commercial market assessments.

### Other Related Services

**2,100**      **4,250**

Other Related Expenses provides LGPO's contribution to the Department's Working Capital Fund (WCF) for common administrative services at HQ, such as rent and building operations, telecommunications, network connectivity, supplies/equipment, printing/graphics, copying, mail, contract closeout, purchase card surveillance, and salary and benefit expenses for federal employees who administer the Working Capital Fund business lines per the Department's new policy being implemented in FY 2012. In addition, WCF services assessed to and used by HQ, OSTI, and the Field include online training, the Corporate Human Resource Information System, payroll processing, and the Project Management Career Development Program. Also included in this category are costs for office equipment and software.

### Total, Program Direction

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**43,000**      **38,000**

## Explanation of Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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**Salaries and Benefits**

The increase in salaries and benefits are due to the build out and full Federal staffing of loan origination, portfolio management, legal, technical, NEPA, and management operations divisions in the Loan Guarantee Program. +9,025

**Travel**

The decrease in travel is due to a reduction in loan origination activities with the expiration of the Section 1705 program. -100

**Support Services**

The decrease in support services is due to increased Federal staffing which reduces the level of contract support needed and a reduction in loan origination activities with the expiration of the Section 1705 program. -16,075

**Other Related Expenses**

The increase in other related expenses is due to increased contributions into the WCF because of the expansion of Loan Guarantee Program office space at Washington Headquarters and revised estimates. +2,150

**Total Funding Change, Program Direction** -5,000

### Support Services by Category

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Management Support		
Management/Professional Support Services	27,030	10,955
Total, Management Support	27,030	10,955

**Other Related Expenses by Category**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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Other Related Expenses		
Other Services	250	250
Working Capital Fund	1,850	4,000
Total, Other Related Expenses	2,100	4,250



**Better Buildings Pilot  
Loan Guarantee  
Initiative for  
Universities, Schools,  
and Hospitals**



**Better Buildings Pilot  
Loan Guarantee  
Initiative for  
Universities, Schools,  
and Hospitals**

## **Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals**

### **Proposed Appropriation Language**

*Contingent upon enactment of authorizing legislation, for the cost of guaranteed loans for energy efficiency retrofits of universities, hospitals, and schools, \$100,000,000 to remain available until expended: Provided, That these funds are available to subsidize total loan principal, any part of which is to be guaranteed, not to exceed \$2,000,000,000: Provided further, that the cost of such loan guarantees under this heading, including the cost of modifying such loans, shall be defined in section 502 of the Congressional Budget Act of 1974. In addition, for administrative expenses to carry out the guaranteed loan program, \$5,000,000.*

### **Explanation of Change**

Contingent upon enactment of authorizing legislation, the Department is seeking \$100,000,000 in appropriated credit subsidy costs and \$5,000,000 for administrative expenses for the Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals in FY 2012.



# Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals

## Overview

### Appropriation Summary by Program

(dollars in thousands)

FY 2010 Current Appropriation	FY 2011 CR	FY 2012 Request
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Better Buildings Pilot Loan  
Guarantee Initiative for  
Universities, Schools, and  
Hospitals

Loan Guarantee Subsidy  
Costs

0 0 100,000

Administrative Operations

0 0 5,000

Total, Better Buildings Pilot  
Loan Guarantee Initiative for  
Universities, Schools, and  
Hospitals

0 0 105,000

#### Preface

The Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals is intended to provide funds for cost-effective technologies and measures, and to help catalyze the emerging industry for commercial building retrofits. Once authorized, DOE would design program regulations outlining terms and conditions for issuing loan guarantees under the program. The decision to issue any specific loan guarantee will depend on the merits and benefits of particular project proposals and their compliance with statutory and regulatory requirements.

#### Mission

The mission of the The Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals is to provide funds for cost-effective technologies and measures, and to help catalyze the emerging industry for commercial building retrofits.

#### Benefits

The program will provide loan guarantees for energy efficiency retrofits of universities, hospitals, and schools.

#### Strategic Plan Implementation

The Department is in the process of updating its strategic plan, and has been actively engaging stakeholders including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY12 budget are consistent and aligned.

## Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals

### Funding by Site by Program

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Washington Headquarters		
Loan Guarantee Subsidy Costs	0	100,000
Administrative Operations	0	5,000
Total, Washington Headquarters	0	105,000

### Major Changes or Shifts by Site

Funding has not previously been appropriated for the Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals.

### Site Description

#### Washington Headquarters

The administrative operations for the Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals will be located at the DOE headquarters.

# Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals

## Funding Profile by Subprogram

(dollars in thousands)

	FY 2010 Current Appropriation	FY 2012 Request
Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals		
Loan Guarantee Subsidy Costs	0	100,000
Administrative Operations	0	5,000
Total, Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals	0	105,000

### Mission

The mission of the The Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals is to provide funds for cost-effective technologies and measures, and to help catalyze the emerging industry for commercial building retrofits.

The Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals will:

- Develop policies for, provide management oversight of, and give direction to the operation of the program;
- Review, analyze, and make recommendations on loan guarantee applications;
- Ensure coordination with DOE Program Offices and their technical expertise;
- Procure expert services needed during the review of loan guarantee applications;
- Provide information and advice to stakeholders of the program;
- Develop policies and procedures related to the specific loan guarantee provisions;
- Ensure effective and consistent implementation of loan guarantee regulations, guidelines, policies and procedures, including monitoring of projects and asset management.

### Benefits

The program will provide loan guarantees for energy efficiency retrofits of universities, hospitals, and schools.

### Annual Performance Results and Targets

The Department is in the process of updating its strategic plan, and has been actively engaging stakeholders including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY12 budget are consistent and aligned. Updated measures will be released at a later date and available at the following link <http://www.mbe.doe.gov/budget/12budget/index.htm>.

## Loan Guarantee Subsidy Costs

### Funding Schedule by Activity

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Loan Guarantee Subsidy Costs		
Loan Guarantee Subsidy Costs	0	100,000
<b>Total, Loan Guarantee Credit Subsidy Costs</b>	<b>0</b>	<b>100,000</b>

### Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
<b>0</b>	<b>100,000</b>

#### Loan Guarantee Subsidy Costs

- **Loan Guarantee Subsidy Costs**

The Department requests \$100,000,000 in FY 2012 for the cost the cost of guaranteed loans for energy efficiency retrofits of universities, hospitals, and schools, to remain available until expended. The program is intended to provide funds for cost-effective technologies and measures, and help to catalyze the emerging industry for commercial building retrofits. The appropriated funds are available to subsidize up to \$2,000,000,000 in total loan principal, any part of which may be guaranteed. Once authorized, DOE would design program regulations outlining terms and conditions for issuing loan guarantees under the program. The decision to issue any specific loan guarantee will depend on the merits and benefits of particular project proposals and their compliance with statutory and regulatory requirements.

**Total, Loan Guarantee Subsidy Costs**

**0                      100,000**

### Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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#### Loan Guarantee Subsidy Costs

- **Loan Guarantee Subsidy Costs**

The \$100 million request in FY 2012 provides the initial funding for the Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals.

+100,000

**Total, Loan Guarantee Subsidy Costs**

**+100,000**

## Program Direction

### Funding Profile by Category

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	0	1,650
Travel	0	100
Support Services	0	2,750
Other Related Expenses	0	500
Total, Headquarters	0	5,000
Full Time Equivalents	0	10

#### Mission

Program Direction provides the Federal staffing and contractor resources and associated costs required to provide overall direction and execution of the Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals.

#### Detailed Justification

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
<b>Salaries and Benefits</b>	<b>0</b>	<b>1,650</b>
Provides salaries and benefits for 10 full time equivalent employees (FTEs) to start up and administer the Better Buildings Pilot Loan Guarantee Initiative including designing program and regulations outlining terms and conditions for issuing loan guarantees under the program.		
<b>Travel</b>	<b>0</b>	<b>100</b>
The travel budget supports the travel of staff members for training, attending meetings and presentations, and site visits to potential projects.		
<b>Support Services</b>	<b>0</b>	<b>2,750</b>
Support services will fund outside expertise in finance, legal, engineering, technology, and credit analysis.		
<b>Other Related Services</b>	<b>0</b>	<b>500</b>
Other Related Expenses provides LGPO's contribution to the Department's Working Capital Fund (WCF) for common administrative services at HQ, such as rent and building operations, telecommunications, network connectivity, supplies/equipment, printing/graphics, copying, mail,		
<b>Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals</b>		

contract closeout, purchase card surveillance, and salary and benefit expenses for federal employees who administer the Working Capital Fund business lines per the Department's new policy being implemented in FY 2012.

<b>Total, Program Direction</b>	<b>0</b>	<b>5,000</b>
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### Explanation of Changes

	FY 2012 vs. FY 2010 Current Approp (\$000)
<b>Salaries and Benefits</b>	
The FY 2012 request provides the initial funding to start up the Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals.	+1,650
<b>Travel</b>	
The FY 2012 request provides the initial funding to start up the Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals.	+100
<b>Support Services</b>	
The FY 2012 request provides the initial funding to start up the Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals.	+2,750
<b>Other Related Expenses</b>	
The FY 2012 request provides the initial funding to start up the Better Buildings Pilot Loan Guarantee Initiative for Universities, Schools, and Hospitals.	+500
<b>Total Funding Change, Program Direction</b>	<b>+5,000</b>

### Support Services by Category

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Management Support		
Management/Professional Support Services	0	2,750
Total, Management Support	0	2,750

**Other Related Expenses by Category**

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
------------------------------	--------------------

Other Related Expenses		
Working Capital Fund	0	500
Total, Other Related Expenses	0	500



# **Working Capital Fund**

# **Working Capital Fund**

## Working Capital Fund

### Program Mission

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

The objectives of the Fund include:

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

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

This request also includes \$8.3 million for federal salaries. The Department benchmarked other agency Funds and their best practices for financing federal salaries and managing the Fund workforce and considered the benefits of charging full cost recovery in WCF pricing. These benefits include: full costs in Fund prices improve cost accounting for WCF activities; improved decision-making for business line operations and Program spending; and, enable the Fund Manager to benchmark other federal agency costs on an equivalent basis. This information will enable the WCF Board to improve the efficiency of DOE service offerings. The Fund Manager is creating controls to satisfy the oversight requirements of the WCF Board, including biweekly budget reports on spending. This change is consistent with other Agency WCFs and satisfies the need to recover costs in reimbursable activities.

For the second year, this request uses program funds to finance iManage, DCAA Audits, Financial Reporting Control Assessment, the Wide Area Network (DOEnet), and Financial Statement Audits; and supports broad department-wide activities that benefit larger mission program activities. In FY 2012, the Department seeks to finance \$41.2 million Fund activities using program funding (see Table 3). Because some programs, such as the staff offices, possess program direction funding only, their share of these activities will continue to use program direction funding to pay for these services.

The Fund uses no **Recovery Act** funds. All activities financed with Recovery Act Funds are financed outside of the WCF.

### WCF Business-line Accomplishments

WCF operations are valued by customers, serve the Department, and remain within the fiscal and policy guidelines established by the Board and by Congressional Committees. The Fund Manager's FY 2010 Annual Report documented that the Fund experienced a shortfall of revenues of \$4.8 million for its FY

2010 operations; and for the first 15 years of operations, reported a positive result of operations, \$13.0 million, or 0.9 percent 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 of using the Fund to achieve greater management efficiencies. The Fund reports efficiency and effectiveness performance metrics and documents continuous improvement efforts to provide program customers with the best goods and services available. 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. Plans, updated annually, are available at [www.wcf.doe.gov](http://www.wcf.doe.gov).

The Fund continues to help Departmental management with issues such as financing Financial Statement Audits, DOE's new procurement system, the DOE-wide area network (backbone for collaborative technologies), building modernization and safety improvements project management training, computer-based learning, and the shift away from paper intensive systems. The Fund allowed businesses to close, including the Executive Information System, Desktop, and the original Supply business. Other accomplishments include:

- The Mail and Transportation Services business line:
  - Successfully passed all Security Reviews and Inspections conducted by HSS ensuring mail management and mail operations enhanced security measures meet security measures.
  - Exceeded the HQ petroleum fuel consumption reduction performance measure target of a 2% reduction in FY 2010.
- The Building business provided leadership and guidance to Program Offices to facilitate the implementation of the Deputy Secretary's guidelines for space utilization, which accommodated space for 348 new personnel within the Forrestal Building.
- The telecommunication business maintained 99.94% network switch and 99.8% phone service availability.
- The iManage business line deployed Strategic Integrated Procurement Enterprise System (STRIPES) to the National Nuclear Security Administration in January 2010. All previous sites deployed were subject to numerous data clean-up activities prior to implementation which resulted in most sites exhibiting a 94% or greater data proficiency. The NNSA site exhibited a 98% success rate of all active documents converted/reconstructed into STRIPES.

## Working Capital Fund: Business-line Budgets

Table 1 summarizes projected customer billings by business-line. These billings are the result of pricing policies established and amended by the WCF Board. Board decisions are documented in time for programs to prepare budgets and are reflected in these estimates. Increases to WCF businesses total \$26.3 million are due largely to: adding federal salaries for those who provide direct support to Fund businesses (\$8.3 million), rent increases (\$6.9 million), iManage (\$3.9 million), Telecommunications (\$2.9 million), Procurement Management (\$4.7 million) and Online Learning (\$1.3 million). In FY 2012, Payroll and Personnel merge with iManage, see Payroll and Personnel business-line for details.

**Table 1**  
**Working Capital Fund Budget by Business-line <sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
Supplies	3,653	3,662
Mail and Transportation Services	3,553	4,413
Photocopying	2,687	3,367
Printing and Graphics	3,080	4,227
Building Occupancy	90,598	97,147
Telecommunications	17,210	20,530
Procurement Management	7,425	12,418
Payroll and Personnel	7,935	0
Corporate Training Services	295	2,103
Project Management Career Development Program	1,396	1,450
iManage	7,592	22,034
Financial Reporting Control Assessment	3,700	4,060
Financial Statement Audits	12,000	12,108
Indirect	120	0
<b>Total, Working Capital Fund</b>	<b>161,243</b>	<b>187,519</b>

<sup>a</sup> Numbers may not add due to rounding.

Table 2 shows the impact on customer organization program direction budgets. Estimates represent the best projections currently available, but are subject to change based on customer decisions regarding the mix, level, and source of services employed to support mission programs. These estimates provide an early warning to programs of potential costs if these programs continue to consume goods and services consistent with the past. In some cases, customers may choose to acquire services outside the Fund, and in other cases, customers may make tradeoffs to expand their use of Fund services in order to reduce other costs, including travel or contractual services. Further, customers already appear to have made tradeoffs within the services provided through the Fund, including reduced use of paper and photocopying through increased reliance on electronic communication. Fund management cooperates fully with customer efforts to reduce costs.

**Table 2**  
**Working Capital Fund Program Direction Budget by Program Organization<sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	699	560
Bonneville Power Administration	215	558
Chief Financial Officer	6,023	7,177
Congressional & Intergovernmental Affairs	814	930
Economic Impact and Diversity	641	932
Energy Efficiency	12,703	12,317
Energy Information Administration	7,760	9,014
Environmental Management	12,196	11,057
Fossil Energy	5,256	4,731
General Counsel	4,318	5,489
Office of Human Capital Management	2,940	3,243
Hearings and Appeals	1,165	1,242
Health, Safety and Security	8,327	9,176
Inspector General	2,074	2,404
Chief Information Officer	8,252	8,170
Intelligence	6,544	4,683
Legacy Management	1,098	685
Loan Program	1,390	2,602
Office of Management	11,805	13,719
National Nuclear Security Administration	25,815	25,946
Nuclear Energy	3,668	4,664
Naval Reactors	493	293
Office of Electricity Delivery and Energy Reliability	1,823	1,924
Public Affairs	537	633
Policy and International Affairs	2,404	2,735
Civilian Radioactive Waste Management	1,990	0
Office of the Secretary	1,425	1,715
Science	9,151	8,462
WAPA/SWPA/SEPA	1,066	1,247
Field Offices	0	0
Total, Working Capital Fund	142,587	146,312

<sup>a</sup> Numbers may not add due to rounding.

Table 3 shows the impact on customer organization program funded budgets.

**Table 3**  
**Working Capital Fund Program Funded Budget by Program Organization<sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	0	108
Bonneville Power Administration	0	40
Chief Financial Officer <sup>b</sup>	21	184
Congressional & Intergovernmental Affairs	2	13
Economic Impact and Diversity	3	18
Energy Efficiency	1,286	2,990
Energy Information Administration	49	125
Environmental Management	5,622	9,801
Fossil Energy	1,028	2,594
General Counsel	14	35
Office of Human Capital Management	14	93
Hearings and Appeals	3	14
Health, Safety and Security	211	454
Inspector General	23	56
Chief Information Officer	55	755
Intelligence	0	13
Legacy Management	73	853
Loan Program	0	1,929
Office of Management	31	80
National Nuclear Security Administration	5,236	10,907
Nuclear Energy	848	1,564
Naval Reactors	701	1,122
Office of Electricity Delivery and Energy Reliability	68	160
Public Affairs	2	20
Policy and International Affairs	10	41
Civilian Radioactive Waste Management	236	0
Office of the Secretary	3	6
Science	3,117	6,859
WAPA/SWPA/SEPA	0	372
Field Offices	0	0
<b>Total, Working Capital Fund</b>	<b>18,656</b>	<b>41,207</b>

<sup>a</sup> Numbers may not add due to rounding.

<sup>b</sup> For Staff offices and other offices not funded with Program Funding estimates reflect Program Direction Funding.

Table 4 combines the program direction and program requirements in Tables 2 and 3.

**Table 4**  
**Working Capital Fund Combined Budget by Program Organization<sup>a</sup>**  
(dollars in thousands)

	FY 2010 Actual	FY 2012 Estimate
ARPA-E	699	668
Bonneville Power Administration	215	697
Chief Financial Officer	6,044	7,361
Congressional & Intergovernmental Affairs	814	943
Economic Impact and Diversity	645	950
Energy Efficiency	13,989	15,307
Energy Information Administration	7,810	9,139
Environmental Management	17,817	20,858
Fossil Energy	6,283	7,325
General Counsel	4,332	5,524
Office of Human Capital Management	2,954	3,335
Hearings and Appeals	1,169	1,256
Health, Safety and Security	8,537	9,630
Inspector General	2,096	2,460
Chief Information Officer	8,307	8,925
Intelligence	6,544	4,696
Legacy Management	1,172	1,539
Loan Program	1,390	4,531
Office of Management	11,837	13,799
National Nuclear Security Administration	31,051	36,853
Nuclear Energy	4,517	6,228
Naval Reactors	1,194	1,415
Office of Electricity Delivery and Energy Reliability	1,888	2,084
Public Affairs	537	653
Policy and International Affairs	2,414	2,776
Civilian Radioactive Waste Management	2,226	0
Office of the Secretary	1,429	1,720
Science	12,269	15,321
WAPA/SWPA/SEPA	1,065	1,619
Field Offices	0	0
<b>Total, Working Capital Fund</b>	<b>161,243</b>	<b>187,519</b>

<sup>a</sup> Numbers may not add due to rounding.

The following section includes a description of each business-line; each business-line's pricing policy, and selected performance measures. Tables 5 through 17 display revised cost estimates for FY 2012 for each business-line.

## **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.

### **Board Pricing Policy**

Each organization pays for supplies purchased by its employees.

Table 5 provides the estimated supplies charges for each organization in Headquarters. The increase to this business for federal salaries is \$27,095. Federal oversight of the contractor service provider is largely related to contractual matters which require approximately 0.1 FTE.

**Table 5**  
**Working Capital Fund Budget by Supply Business-line<sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	23	94
Bonneville Power Administration	3	3
Chief Financial Officer	201	164
Congressional & Intergovernmental Affairs	14	6
Economic Impact and Diversity	19	16
Energy Efficiency	450	512
Energy Information Administration	202	190
Environmental Management	336	338
Fossil Energy	149	121
General Counsel	90	76
Office of Human Capital Management	110	118
Hearings and Appeals	2	1
Health, Safety and Security	226	229
Inspector General	61	50
Chief Information Officer	180	191
Intelligence	125	106
Legacy Management	16	14
Loan Program	41	113
Office of Management	204	192
National Nuclear Security Administration	554	537
Nuclear Energy	107	102
Naval Reactors	0	0
Office of Electricity Delivery and Energy Reliability	43	39
Public Affairs	9	7
Policy and International Affairs	81	94
Civilian Radioactive Waste Management	18	0
Office of the Secretary	47	45
Science	343	304
WAPA/SWPA/SEPA	1	1
Field Offices	0	0
<b>Total, Working Capital Fund</b>	<b>3,653</b>	<b>3,662</b>

<sup>a</sup> Numbers may not add due to rounding.

## **Mail and Transportation Services Business-line**

### **Description**

The DOE Mail Center provides a variety of mail services for all official and other authorized mail for the Department of Energy and its employees. The services include the processing of all incoming postal mail, outgoing official mail, internal mail processing, accountable mail processing, pouch mail, a variety of overnight express mail services, 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.

### **Board Pricing Policy**

Mail service pricing has multiple components:

- Offices pay the actual dollar cost for outgoing United States Postal Service (USPS) mail and for Federal Express or other special mail. Offices pay for internal mail distribution based on the number of mail stops;
- Offices pay for Mail Security (\$149,000/year) based on their percentage of incoming USPS mail over the preceding six-month period;
- Offices pay for Express Mail Labor based on their percentage of the total volume of incoming and outgoing special mail during the preceding six-month period;
- Offices pay for USPS Outgoing labor based on their percentage of actual outgoing mail for the preceding six months;
- Offices pay for specified special services on a negotiated basis;
- Programs pay for shuttle bus services based on their prior year usage;
- Programs pay for courier and messenger services based on their prior year usage;
- Programs pay for headquarters fleet services based on their prior year usage.

Table 6 provides the estimated mail services charges for each organization in Headquarters. The increase to this business is \$860 k including \$365,096 for federal salaries. The balance of the increase is due to inflation and new DOE programs. This business has significant federal oversight responsibilities and was recently expanded to include Transportation Services.

**Table 6**  
**Working Capital Fund Budget by Mail and Transportation Services Business-line<sup>a</sup>**

(dollars in thousands)

	FY 2010 Actual	FY 2012 Estimate
ARPA-E	10	62
Bonneville Power Administration	19	25
Chief Financial Officer	176	185
Congressional & Intergovernmental Affairs	57	65
Economic Impact and Diversity	47	52
Energy Efficiency	261	345
Energy Information Administration	158	201
Environmental Management	194	210
Fossil Energy	112	140
General Counsel	88	88
Office of Human Capital Management	100	113
Hearings and Appeals	38	28
Health, Safety and Security	270	330
Inspector General	74	89
Chief Information Officer	207	253
Intelligence	87	113
Legacy Management	32	29
Loan Program	1	93
Office of Management	432	551
National Nuclear Security Administration	493	581
Nuclear Energy	123	137
Naval Reactors	2	0
Office of Electricity Delivery and Energy Reliability	88	95
Public Affairs	33	44
Policy and International Affairs	105	111
Civilian Radioactive Waste Management	37	0
Office of the Secretary	48	190
Science	248	266
WAPA/SWPA/SEPA	13	15
Field Offices	0	0
<b>Total, Working Capital Fund</b>	<b>3,553</b>	<b>4,413</b>

<sup>a</sup> Numbers may not add due to rounding.

## **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 annualized rate of 17 million.

### **Board 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.

Table 7 provides the estimated photocopy charges for each organization in Headquarters. The increase to this business is \$680 k; \$158,152 for federal salaries. Federal oversight of the contractor service providers covers several headquarter locations and copier acquisition. Other cost increases are related to new programs and inflation.

**Table 7**  
**Working Capital Fund Budget by Photocopy Business-line<sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	8	52
Bonneville Power Administration	0	0
Chief Financial Officer	230	156
Congressional & Intergovernmental Affairs	6	7
Economic Impact and Diversity	48	49
Energy Efficiency	257	250
Energy Information Administration	110	151
Environmental Management	228	333
Fossil Energy	80	83
General Counsel	137	118
Office of Human Capital Management	190	160
Hearings and Appeals	13	10
Health, Safety and Security	199	244
Inspector General	22	35
Chief Information Officer	130	164
Intelligence	56	46
Legacy Management	14	18
Loan Program	16	78
Office of Management	259	491
National Nuclear Security Administration	352	473
Nuclear Energy	51	55
Naval Reactors	0	0
Office of Electricity Delivery and Energy Reliability	19	23
Public Affairs	16	51
Policy and International Affairs	45	67
Civilian Radioactive Waste Management	20	0
Office of the Secretary	44	62
Science	136	189
WAPA/SWPA/SEPA	1	0
Field Offices	0	0
Total, Working Capital Fund	2,687	3,367

<sup>a</sup> Numbers may not add due to rounding.

## **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 staffs distribute in-house, produced materials 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.

### **Board 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.

Table 8 provides the estimated printing and graphics charges for each Headquarters organization. The increase to this business for federal salaries is \$786,468. Graphics support at the department is provided by a combination of federal staff and contractual support. Quick turn-around products require dedicated on site resources. Other cost increases (\$0.4 million) are due to new programs and inflation.

**Table 8**  
**Working Capital Fund Budget by Printing and Graphics Business-line<sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	4	49
Bonneville Power Administration	6	20
Chief Financial Officer	129	98
Congressional & Intergovernmental Affairs	8	10
Economic Impact and Diversity	38	44
Energy Efficiency	770	911
Energy Information Administration	177	218
Environmental Management	119	185
Fossil Energy	87	100
General Counsel	163	86
Office of Human Capital Management	87	105
Hearings and Appeals	22	97
Health, Safety and Security	91	175
Inspector General	84	89
Chief Information Officer	66	79
Intelligence	43	65
Legacy Management	13	12
Loan Program	2	47
Office of Management	253	426
National Nuclear Security Administration	253	657
Nuclear Energy	33	51
Naval Reactors	6	0
Office of Electricity Delivery and Energy Reliability	30	57
Public Affairs	20	25
Policy and International Affairs	29	36
Civilian Radioactive Waste Management	15	0
Office of the Secretary	129	177
Science	360	312
WAPA/SWPA/SEPA	43	96
Field Offices	0	0
Total, Working Capital Fund	3,080	4,227

<sup>a</sup> Numbers may not add due to rounding.

## **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. Board-approved improvements to the Headquarters complex are also included.

### **Board Pricing Policy**

Board policy is based on direct costs and allocations in the following manner:

- Each year, organizations sign occupancy agreements that define the space to be assigned to them;
- On a building-by-building basis, direct rental value of the space assigned to each organization is calculated, based on the rent charged to the Department by the General Services Administration. Customer rent costs are based on areas assigned to each organization at the start of each fiscal year;
- Common use space costs in each building are divided among the tenants of that building based on their proportional shares of direct rent costs;
- Certain additional costs, such as common area improvements and health and life safety programs, are allocated as a pro rata addition to the building-by-building charges described above;
- Electronic Services charges are allocated according to direct building occupancy costs;
- In addition, tenants may arrange, at their own cost, alterations of office space; and
- Charges related to property management are allocated based on program usage during the prior fiscal year.

Table 9 provides the estimated building occupancy charges for each organization in Headquarters. The increase to this business for federal salaries is \$3,048,518. Building management at DOE is provided by a combination of federal staff and contractual support and includes health and safety programs as well as conferencing and office moves. Rent increases for FY 2012 account for \$6.9 million, offset by reduced building alterations of \$2.9 million.

**Table 9**  
**Working Capital Fund Budget by Building Occupancy Business-line<sup>a</sup>**

(dollars in thousands)

	FY 2010 Actual	FY 2012 Estimate
ARPA-E	518	0
Bonneville Power Administration	134	158
Chief Financial Officer	4,550	5,108
Congressional & Intergovernmental Affairs	615	720
Economic Impact and Diversity	347	603
Energy Efficiency	8,063	7,884
Energy Information Administration	5,986	6,848
Environmental Management	5,490	6,093
Fossil Energy	2,818	2,888
General Counsel	3,180	4,411
Office of Human Capital Management	1,800	2,100
Hearings and Appeals	1,003	937
Health, Safety and Security	6,193	6,683
Inspector General	1,430	1,677
Chief Information Officer	5,322	5,393
Intelligence	5,534	3,478
Legacy Management	376	425
Loan Program	449	1,384
Office of Management	9,117	10,206
National Nuclear Security Administration	15,992	17,319
Nuclear Energy	2,086	3,288
Naval Reactors	0	0
Office of Electricity Delivery and Energy Reliability	1,178	1,255
Public Affairs	361	404
Policy and International Affairs	1,571	1,825
Civilian Radioactive Waste Management	1,267	0
Office of the Secretary	894	1,002
Science	4,184	4,888
WAPA/SWPA/SEPA	142	168
Field Offices	0	0
<b>Total, Working Capital Fund</b>	<b>90,598</b>	<b>97,147</b>

<sup>a</sup> Numbers may not add due to rounding.

## **Telecommunications**

As a result of the department's transition from analog to digital phone infrastructure, the technology of phone operations and network operations merged. In order to take advantage of efficiencies in combined infrastructure spending, operations, and business management, the department combined the phone and network businesses into the Telecommunications business. This merger formalized management changes already in place and will reduce the costs of administering two businesses.

The Telecommunications business will phase in the process of merging business practices as they become available. Initially, financial support, contracting, and interface with the WCF Fund manager will be merged. Other operations directly related to phone operator and equipment services have no similar network corollary. Other infrastructure corollaries between the two segments must be delayed until network upgrades are completed in the next few years. However, as the opportunity for merger and the resulting cost savings arise, those respective operations will be combined.

### **A: Description of Telephone Segment**

The telephone business-line is the telephone company for DOE Headquarters. It comprises an infrastructure connecting two main headquarters buildings and satellite buildings for internal dialing and commercial basic line service. The infrastructure includes communication networks, installed telephone processing switching equipment, and trained technical personnel. Telephone service includes local, long distance, and international dialing provided through the Headquarters Information Exchange (IX) System; specialized services such as operator-assisted calls (including large audio conference calls), voice mail, three-way calling, call forwarding, automatic ring-back, and custom calling cards; and trained technical personnel to install, repair and operate the system. There are approximately 14,500 telephone connections in DOE Headquarters. This reflects a reduction of 10 percent from the nearly 16,000 connections that were in place in FY 1996, before the Fund was implemented.

### **Board Pricing Policy**

Telephone system costs are allocated to Headquarters offices based upon four categories:

- Headquarters telephone system infrastructure costs, which are composed of: (a) the cost of the leased telecommunications circuits connecting the Headquarters buildings to the internal telephone system, including the CENTREX telephone line charges for staff located in leased facilities; (b) the cost of leased telecommunications circuits that support local, long distance and international calling; and (c) the cost of the technical staff who operate the Headquarters telephone switches, and install and repair the telephone wiring plant, are allocated among program organizations based on the number of active telephone lines as a per line monthly charge. Since the Fund's inception, program customers have been validating, and reducing, the number of active phone lines;
- The costs of dedicated communication circuits are allocated to those organizations requesting installation of such lines;
- All long distance, local, and international calls at headquarters are allocated to the originating telephones and thus to programs based on the actual billing information received by the Department;
- All recurring electronic communication devices (cellular phone, pagers, blackberries, etc.) service contract costs, and equipment purchases.

## **B: Description of Network Business Segment;**

Networking provides:

- Connectivity for DOE Headquarters 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;
- Access to and Cyber Security for the Internet and World Wide Web, Electronic mail, and other applications for information processing and sharing through the backbone infrastructure;
- Interface services and communications links to field sites, other government agencies, and public/private business partners; and
- Connectivity to the entire national complex through DOEnet. The DOEnet is a centrally managed Wide Area Network designed to support DOE corporate systems and carry business sensitive data to users throughout the DOE community. DOEnet currently provides connectivity to 38 sites, each adhering to a uniform connection policy to ensure a level of security. In FY 2012 the annualized charge is estimated to be \$2.5 million.

### **Board 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 (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.

Table 10a and Table 10b provide program direction and program charges, respectively, for each organization in Headquarters. The increase to this business for federal salaries is \$241,428, which is reflected in the program direction budget estimates below. Federal support is related to planning, operations, and contractor oversight in this highly leveraged operation. The balance of the increase, \$2.9 million is related to the number of active cellular devices and correlated usage costs, and the implementation of Networx.

**Table 10a****Working Capital Fund Program Direction Budget by Telecommunications Business-line<sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	129	178
Bonneville Power Administration	53	14
Chief Financial Officer	922	1,104
Congressional & Intergovernmental Affairs	75	82
Economic Impact and Diversity	89	109
Energy Efficiency	1,372	1,397
Energy Information Administration	424	517
Environmental Management	1,514	1,457
Fossil Energy	621	519
General Counsel	418	439
Office of Human Capital Management	410	420
Hearings and Appeals	46	60
Health, Safety and Security	856	1,056
Inspector General	190	222
Chief Information Officer	2,162	1,876
Intelligence	431	532
Legacy Management	523	67
Loan Program	68	637
Office of Management	971	1,259
National Nuclear Security Administration	2,874	3,304
Nuclear Energy	476	527
Naval Reactors	88	92
Office of Electricity Delivery and Energy Reliability	302	327
Public Affairs	64	74
Policy and International Affairs	434	438
Civilian Radioactive Waste Management	232	0
Office of the Secretary	234	200
Science	1,078	1,154
WAPA/SWPA/SEPA	156	14
Field Offices	0	0
<b>Total, Working Capital Fund</b>	<b>17,210</b>	<b>18,075</b>

<sup>a</sup> Numbers may not add due to rounding.

**Table 10b****Working Capital Fund Program Funded Budget by Telecommunications Business-line<sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	0	0
Bonneville Power Administration	0	40
Chief Financial Officer <sup>b</sup>	0	70
Congressional & Intergovernmental Affairs	0	0
Economic Impact and Diversity	0	0
Energy Efficiency	0	231
Energy Information Administration	0	0
Environmental Management	0	288
Fossil Energy	0	175
General Counsel	0	0
Office of Human Capital Management	0	61
Hearings and Appeals	0	0
Health, Safety and Security	0	0
Inspector General	0	0
Chief Information Officer	0	654
Intelligence	0	0
Legacy Management	0	432
Loan Program	0	0
Office of Management	0	0
National Nuclear Security Administration	0	237
Nuclear Energy	0	35
Naval Reactors	0	0
Office of Electricity Delivery and Energy Reliability	0	0
Public Affairs	0	0
Policy and International Affairs	0	0
Civilian Radioactive Waste Management	0	0
Office of the Secretary	0	0
Science	0	103
WAPA/SWPA/SEPA	0	128
Field Offices	0	0
Total, Working Capital Fund	0	2,455

<sup>a</sup> Numbers may not add due to rounding.

<sup>b</sup> For Staff offices and other offices not funded with Program Funding estimates reflect Program Direction Funding.

## 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 and respond to specific issues raised by the Inspector General. Ultimately, they result in savings to programs by preventing fraud, waste, and abuse.

**The Audit Services** segment of the business actually represents funding to various federal audit agencies, however, the majority of the funding is provided to The Defense Contract Audit Agency (DCAA). DCAA, Office of Naval Research (ONR), Department of Health and Human Services (HHS) and Defense Logistics Agency (DLA) 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 American Recovery and Reinvestment Act of 2009 funding at DOE will increase our reliance on HHS support for audits on financial assistance instruments. Although the impact will be large, we are unable at this time to reflect this change in our forecasts.

**The Contract Closeout** segment of the business is the final stage in contract administration support for DOE Headquarters elements. Services include ensuring that all contracted products and services have been delivered, final releases are obtained, final invoices and vouchers are processed for payment, and any remaining unexpended funds under the contract are released. Since FY 1996, the universe of contract instruments ready for closeout has been reduced from nearly 3,000 to approximately 1,000 instruments. Over \$128 million has been deobligated from expired contracts in the 13 years this activity has been operating as a Fund business. As a result of the American Recovery and Reinvestment Act of 2009, it is anticipated that there will be a substantial increase in the number of financial assistance awards that will require closeout. Although the impact is expected to be large, it is premature to reasonably project the magnitude of it in our forecast at this time.

**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 if it does not fully meet DOE's requirements.

### Board 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.

Table 11a and Table 11b provide program direction and program charges, respectively, for each organization. The increase to this business for federal salaries is \$270,956, which is reflected in the program direction budget estimates below. The remaining increase is \$4.7 million due to increased DCAA Audits.

**Table 11a**  
**Working Capital Fund Program Direction Budget by Procurement Management Business-line<sup>a</sup>**  
(dollars in thousands)

	FY 2010 Actual	FY 2012 Estimate
ARPA-E	0	0
Bonneville Power Administration	0	0
Chief Financial Officer	49	9
Congressional & Intergovernmental Affairs	1	0
Economic Impact and Diversity	1	5
Energy Efficiency	60	127
Energy Information Administration	130	250
Environmental Management	98	211
Fossil Energy	97	134
General Counsel	12	4
Office of Human Capital Management	9	3
Hearings and Appeals	0	0
Health, Safety and Security	21	73
Inspector General	1	4
Chief Information Officer	13	49
Intelligence	4	27
Legacy Management	11	12
Loan Program	4	0
Office of Management	132	102
National Nuclear Security Administration	22	178
Nuclear Energy	19	67
Naval Reactors	0	8
Office of Electricity Delivery and Energy Reliability	3	0
Public Affairs	0	3
Policy and International Affairs	1	12
Civilian Radioactive Waste Management	0	0
Office of the Secretary	0	0
Science	36	114
WAPA/SWPA/SEPA	44	45
Field Offices	0	0
<b>Total, Working Capital Fund</b>	<b>768</b>	<b>1,438</b>

<sup>a</sup> Numbers may not add due to rounding.

**Table 11b**  
**Working Capital Fund Program Funded Budget by Procurement Management Business-line<sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	0	0
Bonneville Power Administration	0	0
Chief Financial Officer <sup>b</sup>	0	0
Congressional & Intergovernmental Affairs	0	0
Economic Impact and Diversity	0	0
Energy Efficiency	548	629
Energy Information Administration	0	0
Environmental Management	2,725	4,014
Fossil Energy	561	1,122
General Counsel	0	0
Office of Human Capital Management	0	0
Hearings and Appeals	0	0
Health, Safety and Security	14	16
Inspector General	0	0
Chief Information Officer	0	0
Intelligence	0	0
Legacy Management	0	0
Loan Program	0	0
Office of Management	0	0
National Nuclear Security Administration	1,119	2,187
Nuclear Energy	338	566
Naval Reactors	304	342
Office of Electricity Delivery and Energy Reliability	0	0
Public Affairs	0	0
Policy and International Affairs	0	0
Civilian Radioactive Waste Management	15	0
Office of the Secretary	0	0
Science	1,032	2,104
WAPA/SWPA/SEPA	0	0
Field Offices	0	0
Total, Working Capital Fund	6,656	10,980

<sup>a</sup> Numbers may not add due to rounding.

<sup>b</sup> For Staff offices and other offices not funded with Program Funding estimates reflect Program Direction Funding.

## Payroll and Personnel

### Description

In its June 3, 2008 Board meeting, the Board approved consolidating Payroll and CHRIS businesses into iManage, in order to provide efficiencies in its administration and result in a single senior business manager. This budget justification incorporates this merger in the iManage budget for FY 2012. Therefore, there are no estimates for FY 2012 in this section of the budget.

The major components of this business are the processing of the payroll for DOE Federal employees and the operation of the Corporate Human Resources Information System (CHRIS). All related personnel services will continue to be carried out by Federal employees and therefore do not fall under the Working Capital Fund Payroll and Personnel Business-line.

**Payroll Processing** prepares civilian payrolls based on authenticated documentation. The combined efforts of DOE and the Defense Financial Accounting Service perform the following functions.

- Computes, deposits, and reports Federal, State, and local income taxes;
- Maintains employee records related to Civil Service and Federal Employees Retirement Systems, reports retirement information to the Office of Personnel Management, and performs reconciliation of account balances with Office of Personnel Management and the Department of the Treasury;
- Accounts and reports employee's health benefit coverage, thrift savings plans, and unemployment compensation, among other non-salary employee payments;
- Maintains donated leave subsystem; and
- Maintains and operates the DOE system of allocating payroll costs to the proper appropriation.
- Finances the DOE transit subsidy for headquarters employees.

Detailed employee information and Office of Personnel Management regulations are critical inputs to payroll processing. This business-line is being used to finance certain Office of Personnel Management (OPM) and transit subsidy charges that benefit to the entire DOE work force.

**Corporate Human Resources Information System (CHRIS)** is the Department's Enterprise Human Resources system of record. Specifically, the project supports the strategic management of human capital goals by providing official data and reports for external reporting, internal decision-making, policy reviews and electronic workflow to support the paperless office, streamlined business processes and improved operational efficiencies. Employee Self Service is an additional component of the CHRIS Project, as is DOE Jobs, the web-based automated recruitment and application system.

### Board Pricing Policy

Payroll processing and CHRIS operations costs for this business are allocated to each program on the basis of their employment levels at the beginning of the current fiscal year. Transit Subsidy charges are based on actual usage by the respective programs. A significant portion of the payroll Working Capital Fund resources are used to reimburse the Defense Finance and Accounting Service, the payroll service provider for the Department of Energy.

Table 12 provides the estimated distribution of costs by program customer for FY 2010.

**Departmental Administration/  
Working Capital Fund**

**FY 2012 Congressional Budget**

**Table 12**  
**Working Capital Fund Budget by Payroll and Personnel Business-line<sup>a</sup>**

(dollars in thousands)

	FY 2010 Actual	FY 2012 Estimate
ARPA-E	7	0
Bonneville Power Administration	1	0
Chief Financial Officer	286	0
Congressional & Intergovernmental Affairs	27	0
Economic Impact and Diversity	38	0
Energy Efficiency	663	0
Energy Information Administration	494	0
Environmental Management	789	0
Fossil Energy	463	0
General Counsel	208	0
Office of Human Capital Management	190	0
Hearings and Appeals	33	0
Health, Safety and Security	239	0
Inspector General	177	0
Chief Information Officer	101	0
Intelligence	249	0
Legacy Management	41	0
Loan Program	18	0
Office of Management	372	0
National Nuclear Security Administration	1,626	0
Nuclear Energy	219	0
Naval Reactors	116	0
Office of Electricity Delivery and Energy Reliability	90	0
Public Affairs	20	0
Policy and International Affairs	114	0
Civilian Radioactive Waste Management	118	0
Office of the Secretary	26	0
Science	556	0
WAPA/SWPA/SEPA	654	0
Field Offices	0	0
<b>Total, Working Capital Fund</b>	<b>7,935</b>	<b>0</b>

<sup>a</sup> Numbers may not add due to rounding.

## Corporate Training Services

### Description

The Corporate Training Services Business-line combines Training Delivery and Services (TDS) and the Online Learning Center (OLC) business segments, to deliver courses which support the Department's mission programs. The benefits to the DOE include: DOE specific courses, competitive pricing, and fee for service pricing.

**The Energy Online Learning Center (OLC)** is a web-based commercial off-the-shelf (COTS) training system that provides access to online learning and training. The goal of this business segment is to use technology to deliver learning activities to the desktop wherever such delivery can be demonstrated to improve learning outcomes and reduce costs independently or in combination with other training methods. The overall vision of the OLC program is to provide the capability for all DOE Federal employees to have access to web-based training via the desktop. The OLC has been structured to meet DOE needs with a customized access process and DOE specific information.

**The Training Delivery and Services (TDS)** include; the design, development, and delivery of competency-based courses to meet critical skills development needs in Project Management, Program Management, and Acquisition and Assistance Management. A series of Continuing Education courses has been added to present new topics and refresher training. Program offerings include modular course design, and customized, just-in-time training, for on-site and centralized delivery. The Program has a 20-year track record of providing professional training and training services throughout the DOE complex. Training management services are offered to customers on a negotiated basis only.

### Board Pricing Policy

Participating DOE organizations pay for this service through a fixed annual fee per student and allocation of administrative costs, based on number of employees per program, in order to access to the OLC. Participating DOE organizations pay \$200/day for each employee enrolled in professional skills training courses. The OLC business segment is authorized to negotiate agreements with customers to prepare course materials for inclusion in the Center.

Table 13 provides the estimated Corporate Training Services charges for each organization in Headquarters. The increase to this business for federal salaries is \$477,031. Federal staff support consists of developing curriculum, contractor oversight of distanced learning, and managing class room delivery by contractor staff. The remaining increase, \$1.3 million, is related to the transition of Online Learning services from egov initiative funding.

**Table 13**  
**Working Capital Fund Budget by Corporate Training Services Business-line<sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	0	16
Bonneville Power Administration	0	337
Chief Financial Officer	15	47
Congressional & Intergovernmental Affairs	3	11
Economic Impact and Diversity	2	10
Energy Efficiency	30	55
Energy Information Administration	13	74
Environmental Management	40	195
Fossil Energy	10	110
General Counsel	5	39
Office of Human Capital Management	26	46
Hearings and Appeals	0	10
Health, Safety and Security	21	91
Inspector General	4	42
Chief Information Officer	8	32
Intelligence	5	23
Legacy Management	2	13
Loan Program	0	27
Office of Management	27	72
National Nuclear Security Administration	44	358
Nuclear Energy	5	68
Naval Reactors	0	23
Office of Electricity Delivery and Energy Reliability	6	23
Public Affairs	0	2
Policy and International Affairs	2	24
Civilian Radioactive Waste Management	5	0
Office of the Secretary	1	10
Science	22	165
WAPA/SWPA/SEPA	1	179
Field Offices	0	0
<b>Total, Working Capital Fund</b>	<b>295</b>	<b>2,103</b>

<sup>a</sup> Numbers may not add due to rounding.

## **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 361.1A, Chapter IV and meets the certification requirements of the Federal Acquisition Certification for Program and Project Managers defined in OMB Circular A-11, Part 7. The Project Management Career Development Program defines necessary DOE project management knowledge, skills and abilities, as well as, DOE training course requirements. Components of PMCDP also include a DOE career development tracking system and a DOE project management certification program.

The PMCDP program also provides the Information Technology community with training opportunities to satisfy OMB and Chief Information Officer requirements for project managers.

### **Board Pricing Policy**

In FY 2012, 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). The variable costs of delivering courses will be charged to programs based on their pro-rata share of targeted participants based on program PMCDP Profile.

In addition, we expect some programs outside of the assessment pool to desire participation in the training offered to include training for Real Property Asset Management. 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.

Table 14 provides the estimated Project Management Career Development Program charges for each organization in Headquarters. The increase to this business for federal salaries is \$50,000. Federal staff support consists of developing curriculum, managing class room delivery by contractor staff, and supporting the review board.

**Table 14**  
**Working Capital Fund Budget by PMCDP<sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	0	0
Bonneville Power Administration	0	0
Chief Financial Officer	16	11
Congressional & Intergovernmental Affairs	0	0
Economic Impact and Diversity	0	0
Energy Efficiency	21	23
Energy Information Administration	8	11
Environmental Management	743	830
Fossil Energy	36	26
General Counsel	0	0
Office of Human Capital Management	2	2
Hearings and Appeals	0	0
Health, Safety and Security	8	5
Inspector General	0	0
Chief Information Officer	12	13
Intelligence	0	0
Legacy Management	4	4
Loan Program	0	5
Office of Management	3	3
National Nuclear Security Administration	212	236
Nuclear Energy	85	84
Naval Reactors	0	0
Office of Electricity Delivery and Energy Reliability	0	0
Public Affairs	0	0
Policy and International Affairs	0	0
Civilian Radioactive Waste Management	44	0
Office of the Secretary	0	0
Science	191	189
WAPA/SWPA/SEPA	11	8
Field Offices	0	0
<b>Total, Working Capital Fund</b>	<b>1,396</b>	<b>1,450</b>

<sup>a</sup> Numbers may not add due to rounding.

## **iManage**

iManage is the Department's solution for managing enterprise-wide systems and data. iManage is consolidating and streamlining Department-wide systems and business processes to integrate financial, budgetary, procurement, personnel, program and performance information. iManage is supported at the core by a central data warehouse/portal that links common data elements from each of the Department's business systems and supports both external and internal reporting.

At its June 3 2008 Board meeting, the Board approved consolidating Payroll and CHRIS businesses into iManage to provide efficiencies in its administration and result in a single senior business manager. This budget justification incorporates this merger in the iManage budget for FY 2012. Therefore, the FY 2012 program direction estimates for iManage include costs for Payroll and CHRIS, in addition to the salaries for federal employees who provide direct support to the business line.

**Description:** The **Standard Accounting and Reporting System (STARS)** provides the Department with a modern, comprehensive, and responsive financial management system that records and processes accounting transactions for general accounting, payments, receivables, purchasing including obligations and reservations, accruals, plant and capital equipment, nuclear materials accounting and many other functions. STARS is also used for financial reporting including FACTS I & II, SF 220.9, SF 224, and the Department's financial statements. STARS replaced both the Departmental Integrated Standard Cost Accounting System and Management Accounting Reporting System. Costs include all operations and maintenance support, including the Chief Information Officer's Application Hosting and annual Oracle Software licensing.

The **Strategic Integrated Procurement Enterprise System (STRIPES)** replaced and consolidated federal corporate, regional and local procurement-related systems across the Department. STRIPES automates all procurement and contract activities required or directly associated with planning, awarding, and administering various unclassified acquisition and financial assistance instruments; thereby, increasing the internal efficiency of the Department. STRIPES is also fully integrated with STARS creating efficiency between the two systems and improving the accuracy and timeliness of funding commitments and obligations. Costs include all operations and maintenance support, including the Chief Information Officer's Application Hosting and the annual Compusearch PRISM subscription fees.

**iBudget:** A budget formulation module, based on Treasury's Budget Formulation and Execution Line of Business (BFEM) software solution will be deployed in FY 2011 and introduced into the WCF in FY 2012. BFEM will support the collection and management of the budget formulation data for the OMB and Congressional budget submissions and provide a capability to automate the budget publication. Costs will include the operations and maintenance support provided by Treasury. Short and long-term enhancements are also being considered for the funds distribution process, currently supported by the Funds Distribution System (FDS) and the field budget systems (BEARS/FCDS). Operations and maintenance support may be added into the WCF in FY 2013.

**iPortal/Data Warehouse:** The iManage iPortal is the iManage face to its customers. It will provide the gateway into all iManage applications and services. The iManage 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 iManage iPortal/IDW has the potential to be the Department's authoritative source for all corporate business information, as demonstrated by its use for

the American Recovery and Reinvestment Act (ARRA) data collections and internal/external reporting. The iManage iPortal/IDW provides many services that “Connect our People”, “Simplify our Work”, and “Liberate our Data”. Costs will include the operations and maintenance of the technical infrastructure consisting mostly of Application Hosting and annual software licensing fees.

The Oak Ridge Financial Service Center (**ORFSC**) completes over 120,000 payments annually and payment services are provided for all DOE programs, which includes, but is not limited to NNSA, EM, FE, SC and EE.

### **Board Pricing Policy**

STARS charges programs a prorata allocation of costs based on percentage share of combined budget shares. STRIPES charges based on the actual number of system users recorded during the prior fiscal year. The ORFSC charges programs based on a prorata share of invoices processed at the center. iBudget and iPortal/IDW were approved by the WCF board for FY 2012 using the STARS pricing policy; however, the iPortal/IDW pricing policy will be revisited for FY 2013.

Tables 15a and 15b provide the estimated iManage program direction and program charges, respectively, for each organization in Headquarters. If the budget estimates for this combined business had been displayed on a comparable basis, then the estimates in millions would be: \$15,887 and \$22,034, respectively. The increase in the FY 2012 estimate is related to federal salaries (\$2.7 million), iBudget (\$1 million), iPortal/IDW (\$2 million), and other (\$0.6 million).

The following tables are complicated by two factors:

1. In FY 2012, Payroll and CHRIS business segments and federal salaries are added to the program direction estimates in the budget.
2. The increase to this business for federal salaries is \$2,736,544, which is reflected in the program direction budget estimates below. Federal support is largely to support the Payroll and CHRIS operations.

**Table 15a**  
**Working Capital Fund Program Direction Budget by iManage<sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	0	109
Bonneville Power Administration	0	0
Chief Financial Officer	114	295
Congressional & Intergovernmental Affairs	7	28
Economic Impact and Diversity	11	45
Energy Efficiency	509	799
Energy Information Administration	42	553
Environmental Management	1,680	1,171
Fossil Energy	627	604
General Counsel	12	228
Office of Human Capital Management	11	174
Hearings and Appeals	7	99
Health, Safety and Security	137	287
Inspector General	23	194
Chief Information Officer	33	119
Intelligence	10	292
Legacy Management	42	91
Loan Program	0	208
Office of Management	25	416
National Nuclear Security Administration	2,323	2,249
Nuclear Energy	293	280
Naval Reactors	149	165
Office of Electricity Delivery and Energy Reliability	41	103
Public Affairs	13	23
Policy and International Affairs	19	127
Civilian Radioactive Waste Management	161	0
Office of the Secretary	1	30
Science	1,303	852
WAPA/SWPA/SEPA	0	720
Field Offices	00	0
<b>Total, Working Capital Fund</b>	<b>7,592</b>	<b>10,262</b>

<sup>a</sup> Numbers may not add due to rounding.

**Table 15b**  
**Working Capital Fund Program Funded Budget by iManage<sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	0	49
Bonneville Power Administration	0	0
Chief Financial Officer <sup>b</sup>	0	83
Congressional & Intergovernmental Affairs	0	9
Economic Impact and Diversity	0	15
Energy Efficiency	0	893
Energy Information Administration	0	58
Environmental Management	0	2,307
Fossil Energy	0	800
General Counsel	0	17
Office of Human Capital Management	0	16
Hearings and Appeals	0	10
Health, Safety and Security	0	193
Inspector General	0	29
Chief Information Officer	0	42
Intelligence	0	13
Legacy Management	0	320
Loan Program	0	475
Office of Management	0	36
National Nuclear Security Administration	0	3,423
Nuclear Energy	0	400
Naval Reactors	0	256
Office of Electricity Delivery and Energy Reliability	0	64
Public Affairs	0	17
Policy and International Affairs	0	26
Civilian Radioactive Waste Management	0	0
Office of the Secretary	0	2
Science	0	1,975
WAPA/SWPA/SEPA	0	244
Field Offices	0	0
<b>Total, Working Capital Fund</b>	0	11,772

<sup>a</sup> Numbers may not add due to rounding.

<sup>b</sup> For Staff offices and other offices not funded with Program Funding estimates reflect Program Direction Funding.

## Financial Reporting Control Assessment

### Background

The Federal Managers' Financial Integrity Act (FMFIA) and OMB Circular A-123, *Management's Responsibility for Internal Control*, define management's responsibility for internal control and include guidance for management to assess the effectiveness of internal control. OMB issued a revised Circular A-123 on December 21, 2004, for implementation in FY 2006. Appendix A of the revised Circular requires a management assessment of the effectiveness of internal control over financial reporting. Specifically, agencies must (1) assess controls at the entity level as well as the process, transaction or application level by gaining a full understanding of how management considers risk relevant to financial reporting and test controls to assess compliance; (2) document the controls over financial reporting as well as the assessment process; and (3) report the results in an assurance statement as of June 30 each year. This requirement was generated to bring parity in the level of review and accountability between the Federal government and public corporations under the Sarbanes Oxley Act.

### Description

This business 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 of this program.

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 Accountancy (CPA) perspective, as well as the resources to complete the work, may be necessary. In addition to any CPA contractors, the Department will also need access to other support contractors to help maintain the tools currently used to evaluate and report on internal controls over financial reporting. In the future, the business may also evaluate, select, and implement a corporate software solution to assist with the Department's A-123 implementation efforts.

### Board Pricing Policy

The business-line charges customers a prorata allocation of costs based on percentage share of three prior fiscal years' combined budget shares, using the Congressional request of the most recent year. 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.

Tables 16a and 16b provide the estimated Financial Reporting Control Assessment program direction and program charges, respectively, for each organization in Headquarters. The increase to this business for federal salaries is \$60,175, which is reflected in the program direction budget estimates below. Federal staff support consists of planning and contractor oversight. The remaining increase, \$300 k, is related to one-time cost savings in FY 2010.

**Table 16a**  
**Working Capital Fund Program Direction Budget by**  
**Financial Reporting Control Assessment <sup>a</sup>**

	(dollars in thousands)	
	FY 2010 Actual	FY 2012 Estimate
ARPA-E	0	0
Bonneville Power Administration	0	0
Chief Financial Officer	8	0
Congressional & Intergovernmental Affairs	1	0
Economic Impact and Diversity	1	0
Energy Efficiency	247	5
Energy Information Administration	16	0
Environmental Management	965	12
Fossil Energy	156	2
General Counsel	5	0
Office of Human Capital Management	5	0
Hearings and Appeals	1	0
Health, Safety and Security	66	1
Inspector General	8	0
Chief Information Officer	18	0
Intelligence	0	0
Legacy Management	24	0
Loan Program	0	5
Office of Management	10	0
National Nuclear Security Administration	1,070	19
Nuclear Energy	171	2
Naval Reactors	132	2
Office of Electricity Delivery and Energy Reliability	23	0
Public Affairs	1	0
Policy and International Affairs	3	0
Civilian Radioactive Waste Management	73	0
Office of the Secretary	1	0
Science	694	0
WAPA/SWPA/SEPA	0	10
Field Offices	0	0
<b>Total, Working Capital Fund</b>	<b>3,700</b>	<b>60</b>

<sup>a</sup> Numbers may not add due to rounding.

**Table 16b**  
**Working Capital Fund Program Funded Budget by**  
**Financial Reporting Control Assessment <sup>a</sup>**

(dollars in thousands)

	FY 2010 Actual	FY 2012 Estimate
ARPA-E	0	15
Bonneville Power Administration	0	0
Chief Financial Officer <sup>b</sup>	0	8
Congressional & Intergovernmental Affairs	0	1
Economic Impact and Diversity	0	1
Energy Efficiency	0	309
Energy Information Administration	0	17
Environmental Management	0	798
Fossil Energy	0	124
General Counsel	0	4
Office of Human Capital Management	0	4
Hearings and Appeals	0	1
Health, Safety and Security	0	61
Inspector General	0	7
Chief Information Officer	0	15
Intelligence	0	0
Legacy Management	0	25
Loan Program	0	363
Office of Management	0	11
National Nuclear Security Administration	0	1,265
Nuclear Energy	0	141
Naval Reactors	0	131
Office of Electricity Delivery and Energy Reliability	0	24
Public Affairs	0	1
Policy and International Affairs	0	4
Civilian Radioactive Waste Management	0	0
Office of the Secretary	0	1
Science	0	669
WAPA/SWPA/SEPA	0	0
Field Offices	0	0
<b>Total, Working Capital Fund</b>	<b>0</b>	<b>4,000</b>

<sup>a</sup> Numbers may not add due to rounding.

<sup>b</sup> For Staff offices and other offices not funded with Program Funding estimates reflect Program Direction Funding.

## **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.

### **Board Pricing Policy (estimate)**

The business-line charges customers a prorata allocation of costs based on percentage share of three prior fiscal years' combined budget shares, using the Congressional request of the most recent year. Departmental programs that use proprietary financial systems, for example, Federal Energy Regulatory Commission and the Power Marketing Administrations are excluded from billing for this business.

Table 17 provides the estimated Financial Statement Audit program funded charges for each organization in Headquarters. The increase to this business for federal salaries is \$108,420. Federal staff support consists of planning and contractor oversight.

**Table 17**  
**Working Capital Fund Budget by**  
**Financial Statement Audit Business-line<sup>a</sup>**

(dollars in thousands)

	FY 2010 Actual	FY 2012 Estimate
ARPA-E	0	44
Bonneville Power Administration	0	0
Chief Financial Officer <sup>b</sup>	21	23
Congressional & Intergovernmental Affairs	2	3
Economic Impact and Diversity	3	2
Energy Efficiency	738	936
Energy Information Administration	49	50
Environmental Management	2,897	2,416
Fossil Energy	467	376
General Counsel	14	14
Office of Human Capital Management	14	12
Hearings and Appeals	3	3
Health, Safety and Security	197	186
Inspector General	23	20
Chief Information Officer	55	44
Intelligence	0	0
Legacy Management	73	77
Loan Program	0	1,101
Office of Management	31	33
National Nuclear Security Administration	4,117	3,829
Nuclear Energy	510	426
Naval Reactors	397	397
Office of Electricity Delivery and Energy Reliability	68	73
Public Affairs	2	2
Policy and International Affairs	10	11
Civilian Radioactive Waste Management	221	0
Office of the Secretary	3	3
Science	2,085	2,026
WAPA/SWPA/SEPA	0	0
Field Offices	0	0
Total, Working Capital Fund	12,000	12,108

<sup>a</sup> Numbers may not add due to rounding.

<sup>b</sup> For Staff offices and other offices not funded with Program Funding estimates reflect Program Direction Funding.

# **Energy Information Administration**

# **Energy Information Administration**

**Energy Information Administration**

**Proposed Appropriation Language**

*For necessary expenses in carrying out the activities of the Energy Information Administration, \$123,957,000, to remain available until expended.*



## Energy Information Administration

### Overview

#### Appropriation Summary by Program

	FY 2010 Current Appropriation	FY 2011 CR	FY 2012 Request
Energy Information Administration	110,595	110,595	123,957
Total, Energy Information Administration	110,595	110,595	123,957

#### Preface

The U.S. Energy Information Administration (EIA) is the statistical and analytical agency within the U.S. Department of Energy. EIA is the Nation's premier source of energy information and by law, its data, analyses, and forecasts are independent of approval by any other officer or employee of the U.S. Government.

Because of the central connection between energy and the U.S. economy, the Nation's leaders, policymakers, energy markets, academics, news media, and citizens need reliable, timely, impartial, and transparent information and analyses. Such information enhances the debate over energy utilization strategies, development of alternative energy sources, and business and personal investment decisions, and is essential during times of energy "shocks." As the energy industry evolves and becomes increasingly more complex and interdependent, EIA must update its energy data collection and analyses programs to reflect the current industry composition and operation in order to continue to provide the most comprehensive picture of energy markets and industry as a whole.

In light of current energy issues and the economy, EIA is being called upon more often to provide energy information and analyses to assist the Congress and the Executive Branch in their deliberations over critical national and international energy issues. EIA has responded in this way many times in the past. For example, when faced with major energy challenges or debates, such as Congressional requests for an analysis of the impacts of the American Power Act of 2010, which proposed to regulate emissions of greenhouse gases, and for an analysis of several provisions of the discussion draft of the Domestic Manufacturing and Energy Jobs Act of 2010, both the Congress and the Executive Branch relied on EIA as a trusted source of energy information and analysis. Through this budget request, EIA seeks to improve its capabilities and position itself to better respond to the Nation's need for reliable and accurate energy information, with a particular focus on closing the growing energy information gaps that challenge the agency's ability to maintain the high quality of the information needed.

Within the Energy Information Administration appropriation, EIA has one program: Energy Information Administration, with no subprograms.

## **Mission**

EIA collects, analyzes, and disseminates independent and impartial energy information to promote sound policymaking, efficient markets, and public understanding of energy and its interaction with the economy and the environment.

## **Benefits**

Every Congress and Administration since EIA's inception in 1977 have relied on EIA's independent and impartial data, projections, and analyses as key inputs when developing energy policy. Further, EIA data and analyses help inform energy and associated environmental policy as well as assist policymakers and the general public in understanding the broad and complex nature of energy markets and geopolitical situations that affect energy supply and demand and, ultimately, prices. EIA stakeholders depend on credible and accurate analyses with regard to the potential impact of energy policy proposals as well as relevant and timely assessments of energy issues and events. EIA's stakeholders encompass a broad constituency. In addition to the Congress and the Executive Branch, it includes state and local governments, energy consumers, producers, investors and traders, researchers, the news media, international agencies, and foreign governments.

## **Annual Performance Results and Targets**

The Department is in the process of updating its strategic plan, and has been actively engaging stakeholders including Congress. The draft strategic plan is being released for public comment concurrent with this budget submission, with the expectation of official publication this spring. The draft plan and FY12 budget are consistent and aligned. Updated measures will be released at a later date and available at the following link <http://www.mbe.doe.gov/budget/12budget/index.htm>.

## **Major Accomplishments in EIA's FY 2010 Energy Data and Forecasting Programs**

### **Natural Gas Data**

- Improved Methodology for Monthly Natural Gas Production Data
  - Developed a new sampling process to estimate monthly natural gas production data that uses more recent data, captures changes in production trends much sooner, and provides better estimates than previously.
- Solved the Persistent Supply/Demand Imbalance Issue
  - The difference between EIA's natural gas supply and demand data at the national level has long exhibited a pattern of seasonal spikes that have raised concerns about overall data accuracy. EIA developed a methodology using calendar-month "sendout" data--a measure of total gas dispatched for end-use delivery within a service area--along with existing sector-level breakouts to yield more accurate monthly aggregates. This new approach, implemented with the August 2010 data collection cycle, mitigated the customary imbalance during the heating season.

### **Oil, Ethanol, and Biodiesel Data**

- Began weekly collection of ethanol data and presentation of weekly ethanol balances

- In 2010, EIA began collecting weekly fuel ethanol production, inventory, and import data. Previously, fuel ethanol stocks and imports were estimated from monthly data and grouped in the “Other Oils” category. Incorporation of ethanol by expanding the underlying surveys has allowed EIA to better reflect shifting industry practices, such as blending finished products at terminals rather than at refineries.
- Added more detail on petroleum product streams to EIA’s *Weekly Petroleum Status Report*
  - Consistent with the changes made to account for fuel ethanol, EIA now uses weekly fuel ethanol data to calculate gasoline production, improving the overall quality and accuracy of the finished motor gasoline production data, and the *Weekly Petroleum Status Report* motor gasoline product-supplied calculation. In addition to major finished petroleum products such as motor gasoline, kerosene-type jet fuel, distillate fuel oil, residual fuel oil, and propane, EIA added collections of fuel ethanol, asphalt and road oil, kerosene, natural gas plant liquids and liquefied refinery gases. The additional data significantly reduce the portion of the “Other Oils” category that EIA must estimate.
- Instituted collection of petroleum storage capacity data to provide additional insights into factors influencing prices at key market hubs
  - EIA began collecting working and shell storage capacity for crude oil and petroleum products semi-annually in March and September by adding questions to existing Petroleum Supply Reporting System monthly survey forms. Inventories are an important source of supply in meeting regional and local demand. Industry treats inventories strategically as an economic means of helping to meet their market requirements and opportunities. Furthermore, as regulatory requirements change, there is a need to monitor whether or not capacity to store both crude oil and products is being either temporarily or permanently idled. Therefore, data regarding capacity to hold inventories is of great interest. Storage capacity information is now collected from refiners (EIA-810), terminal operators (EIA-815), pipeline operators (EIA-812), crude oil storage and pipeline operators (EIA-813), and ethanol producers (EIA-819). The September 2010 information was published on December 1, 2010, as a stand-alone report. As of 2011, the information is included as an appendix in the *Petroleum Supply Monthly*.
- EIA released results of its biodiesel production survey
  - EIA provides the only comprehensive data on production, prices, and feedstocks for biodiesel fuel. Quarterly reports will be produced on an accelerated schedule until all monthly data currently processed have been released, at which time EIA will begin to release monthly data within approximately 90 days of the end of that month.

#### Electricity Data

- EIA received OMB approval to begin collecting expanded electricity demand-side management and related information (such as smart meter installations) in 2011 through EIA’s annual and monthly electric industry surveys (the forms EIA-861 and EIA-826, respectively). This is an important enhancement as demand response has become an important strategy for reducing peak electricity demand and capacity needs.

## 2009 Residential Energy Consumption Survey (RECS) Program

- Using Recovery Act funds, produced more precise, useful, and regionally disaggregated household energy consumption and efficiency data by tripling the sample size of the 2009 RECS. The expanded sample size will provide state level data estimates for at least 15 states rather than the previous four, and will provide data to benchmark the impacts of some of the energy efficiency programs funded in the Recovery Act.
- The initial results will be released in early 2010, a substantial acceleration relative to previous survey cycles.
- In addition, the RECS program directly served the job creation objectives of the Recovery Act, with more than 480 contractor staff hired and trained throughout the country as of June 2010. This equates to 187 full time equivalents (FTEs).

## Energy and Financial Markets Initiative

- Continued implementation of the Energy and Financial Markets Initiative to improve understanding and analysis of what drives energy prices.
  - Key actions are ongoing in four main areas: (1) collection of critical information on factors affecting energy prices, (2) analysis through in-depth studies of energy market behavior, (3) outreach to solicit feedback from a broad range of experts on the interrelationship of energy and financial markets, and (4) coordination with other federal agencies engaged in energy market information collection and analysis.
  - Began providing information on implied volatility of crude oil and natural gas prices and confidence intervals around futures prices to provide users of EIA forecasting products with quantitative indicators of future price uncertainty as reflected in current market behavior.

## Information Technology

- Legacy Mainframe Eliminated
  - The final group of surveys was moved from the EIA mainframe to a web-based framework, enabling a more flexible applications platform and allowing for increased accessibility to data by newer and more robust standardized IT tools. By eliminating the mainframe, EIA reduced its licensing and maintenance costs and decreased the agency's IT energy footprint and space requirements.

## Modeling Activities

- Performed an analysis of the American Power Act of 2010 for Senators Kerry, Graham, and Lieberman and briefed Congressional staff, and analyzed selected provisions of the Domestic Manufacturing and Energy Jobs Act of 2010 for the Committee on Ways and Means. Provided information about, and briefings on, the impacts of climate change policies, renewable energy standards, and numerous other non-EIA policy proposals and energy sector developments to Congressional staff as requested.

- Implemented a new oil and gas domestic supply module, enabling analysis of issues related to shale gas and enhanced oil recovery.
- Deployed a new electric market module for the 2011 edition of the *Annual Energy Outlook* with more regional detail (22 regions rather than the 13 in the old module); this provides more detail on regional impacts in baseline projections and special analyses requested by the Congress.
- Continued efforts to improve NEMS with major deliverables in the areas of electricity, liquid fuels processing, and carbon capture and storage; this will enable more accurate oil recovery modeling for the next *Annual Energy Outlook*.

#### EIA Product Improvements and Website Awards

- Launched the *Energy Explained* web portal, the most comprehensive energy education resource available from the U.S. Government.
- Unveiled the redesigned *Energy Kids* website, featuring more than 100 pages of educational content for kids, parents, and teachers.
- Received "Best in Show", "Best Website", and "Shoestring Budget" awards from the National Association of Government Communicators for the *Energy Kids* website.
- Recognized by the American Institute of Graphic Arts — DC as one of the 50 strongest examples of print, narrative, and interactive design produced in the Maryland, Virginia, and District of Columbia region.
- Received a "ClearMark" Award of Excellence in the category of "Best Website" for *Energy Explained* from the Center for Plain Language.
- The *Country Energy Profiles* product was reconfigured to pull the most recent data directly from the same database that drives the International Energy Statistics dynamic tables.
- Added ability for users to create customized tables from the *Annual Energy Outlook* and the *Short-Term Energy Outlook* (STEO) database and implemented an interactive chart capability for the STEO Real Energy Prices web page.

EIA's Data Play a Critical Role in Informing Energy Markets

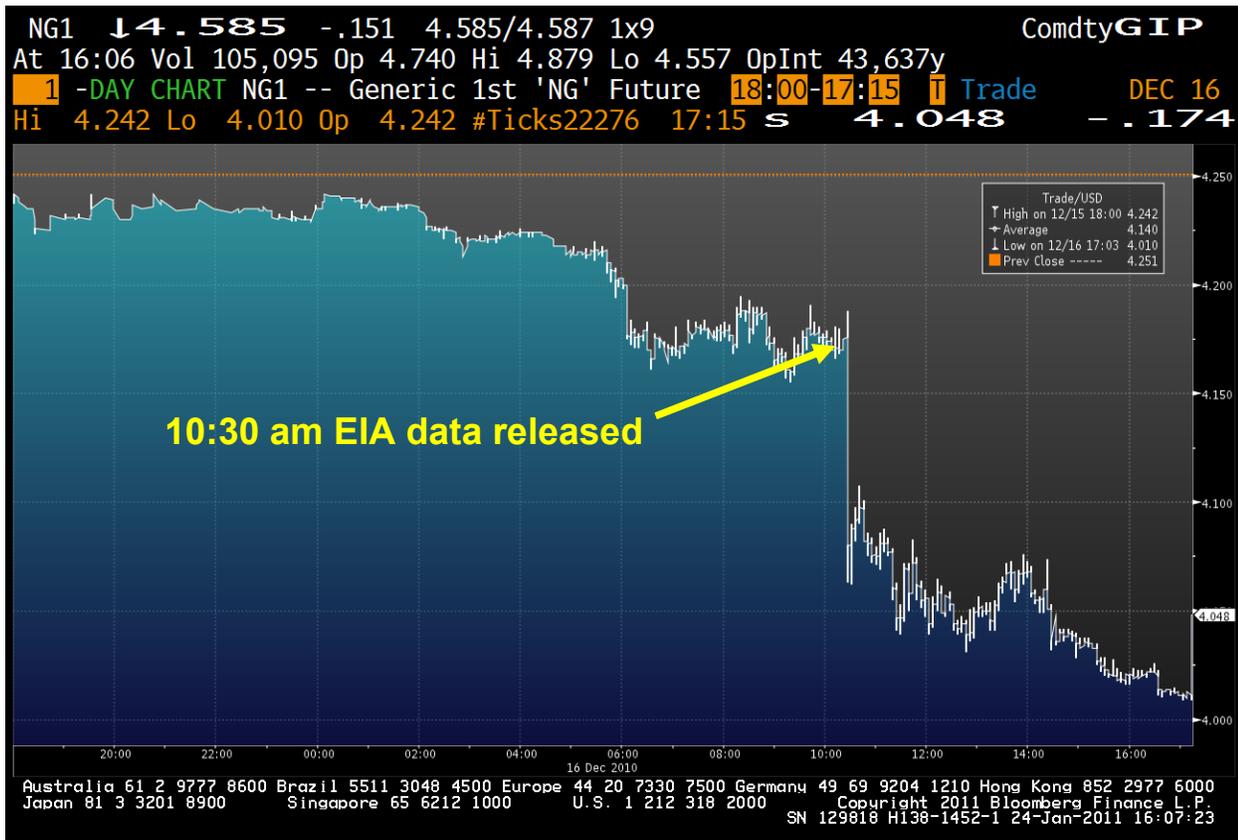
- The market depends on EIA petroleum and natural gas data. **Figure 1** illustrates the impact of our weekly petroleum inventory data on the crude oil market, while **Figure 2** illustrates the impact on the natural gas market after EIA releases its weekly natural gas storage data.

**Figure 1: EIA's Release of its Oil Inventory Data has Immediate Impact on the Oil Markets**



Data Represent NYMEX Light, Sweet Crude Oil (WTI) Near-Month Futures Contract January 5, 2011  
 Source: Bloomberg Finance LP (January 24, 2011)

**Figure 2: Natural Gas Markets Rely Heavily on EIA Weekly Data**



Data Represent NYMEX Henry Hub Natural Gas Near-Month Futures Contract December 16, 2010  
 Source: Bloomberg Finance LP (January 24, 2011)

## Energy Information Administration

### Funding by Site by Program

	FY 2010 Current Approp	FY 2012 Request
Washington Headquarters	110,595	123,957
Total, Energy Information Administration	110,595	123,957

### Major Changes or Shifts by Site

#### Washington Headquarters

In FY 2012, EIA will focus special attention on the following areas: (1) support energy literacy through product content and delivery innovations that promote greater energy literacy-- for example, development of an integrated dissemination database offering user-friendly, interactive access to a wide range of EIA data; (2) analyze energy market behavior and the interrelationship of energy and financial markets; (3) expand surveys of energy consumption in homes, commercial buildings, and manufacturing to provide baseline information critical to understanding energy utilization and for use as the basis for benchmarking and performance measurement of energy efficiency programs; (4) continue upgrades to the National Energy Modeling System, which will improve EIA's ability to assess and forecast supply, demand, and technology trends affecting U.S. and world energy markets; and (5) continue implementing improvements in data coverage, quality and integration.

In addition, EIA will continue to improve its internal efficiency by: (1) expanding the use of electronic data collection methods to replace paper-based survey forms, (2) capitalizing on operational efficiencies enabled by the agency's recent reorganization along functional lines, (3) promoting better cost management within its procurement program through the use of state-of-the-art financial reporting and tracking tools, and (4) modernizing the existing IT framework and systems portfolio along industry-standard lines to improve performance and reduce long-term maintenance costs.

### Site Description

#### Washington Headquarters

EIA is the Nation's premier source of unbiased energy information, analysis and forecasting. EIA provides timely energy information and analysis to its customers, which include the Congress, the Executive Branch, other national and international leaders, energy policymakers world-wide, energy markets, news media, and citizens.

## Program Direction

### Funding Profile by Category

	FY 2010 Current Approp	FY 2012 Request
Headquarters		
Salaries and Benefits	51,164	53,406
Travel	370	290
Support Services	45,486	55,918
Other Related Expenses	13,575	14,343
Total, Headquarters	110,595	123,957
Total, Full Time Equivalents <sup>a</sup>	364	380

### Detailed Justification

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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#### Salaries and Benefits

**51,164      53,406**

In FY 2012, fund salaries and benefits for 380 Full Time Equivalents (FTEs), including health benefits, overtime, promotions, incentive awards, lump sum leave, and personnel performance awards. In addition to the EIA Administrator's Office (8 FTEs), Federal staff will oversee and conduct energy data collection, processing, and integration activities (168 FTEs), analysis and forecasting (125 FTEs), information dissemination (32 FTEs), as well as human resource and technology management (47 FTEs).

#### Travel

**370      290**

Fund travel for EIA personnel to attend training, professional development programs, industry and state conferences; meet with national and international government and energy industry officials; and provide expertise in support of the EIA mission.

#### Support Services

**45,486      55,918**

Fund contractual support for EIA's energy information collection and data management, analysis and forecasting activities, and energy information dissemination. The support services include

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<sup>a</sup> Excludes one FTE funded by the Nuclear Waste Disposal Fund in FY 2010 and one FTE funded by the Office of General Counsel in FY 2011 and FY 2012.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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development, operation, and processing of surveys and the automated tools and equipment required to collect, store, maintain, protect, and disseminate energy information.

▪ **Energy Data Collection, Processing and Integration Activities** **29,041**      **37,401**

EIA’s comprehensive energy data program conducts surveys of energy suppliers and consumers and then processes and integrates survey responses to produce a full range of publicly available data and reports containing relevant, reliable, and timely energy data. Key users of EIA’s energy data include the Congress, the White House, the Secretary of Energy and DOE programs, federal and state agencies, energy industry analysts, energy producers, marketers and purchasers, academia, the media, and the public. The energy data program also provides the basis for EIA’s energy analysis and forecasting activities, including key inputs for the Regional Short-Term Energy Model and NEMS.

In addition to operating existing surveys, processing, integration, and validation systems, the program implements improvements in the management of energy data; strengthens quality assurance and updates statistical techniques; protects the integrity of data; assures system documentation of data processes; and reduces lifecycle development and operating costs for EIA’s statistical programs.

- **Energy Supply Surveys** 21,781      23,202  
Petroleum and Biofuels Surveys – Operate petroleum and liquid fuel surveys on weekly, monthly, annual, and quadrennial cycles, as well as the new monthly biodiesel survey mandated by Section 1508 of Energy Policy Act of 2005. This activity includes the *Weekly Petroleum Status Report* (WPSR) which is closely watched by the oil market and is often the main news item affecting spot and futures prices. Continue data collection grants to states through the State Heating Oil and Propane Program to collect winter fuels prices at the state level on a weekly basis.

*Data Quality Initiative.* As part of the data quality activities, EIA would implement unified management of both maintenance and development work for survey systems. This would update aging, poorly documented and vulnerable survey systems and change process and development standards under a common EIA Survey Segment Architecture to provide greater control and consistency. Potential revisions of greatest importance include a rewrite of the WPSR application that was criticized in a major *Wall Street Journal* article in spring 2010, movement of oil and natural gas surveys into an EIA-wide collection system, and an update required for EIA's implementation of a survey processing system supplied by the Census Bureau to keep current with upgrades being made by Census. If not funded, the agency would face increased risk of major failure of existing survey systems, increased system maintenance costs to manage risks and meet requirements, and increased risk of lost understanding of undocumented systems due to retirement of key personnel.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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In FY 2012, significant resources will be focused on data quality and security improvements in the petroleum data program, focusing specifically on concerns raised by stakeholders regarding the WPSR market-moving data. Specific actions include testing alternative sampling methodologies in order to reduce the number of reports that must be collected. This will enable a shift of WPSR to a facilities-based collection, like the monthly collections, allowing for a more granular monitoring of data quality. Assess the WPSR process and system to identify changes needed to improve processing so that more facilities-based collections can be handled. {FY10 \$1,781; FY11 tbd; FY12 \$3,202}

Natural Gas and Reserves Surveys – Operate natural gas surveys on weekly, monthly, and annual cycles. This program includes the *Weekly Underground Natural Gas Storage Report*, a Principal Federal Economic Indicator, which is critical to natural gas supply planners in industry and to policy analysts in assessing the current natural gas supply and demand situation. Operate monthly and annual natural gas production and consumption surveys and an annual survey of proved reserves of both oil and natural gas.

Electricity, Coal, Renewables, and Uranium Surveys – Operate weekly, monthly, quarterly, and annual surveys for electric power. Operate weekly, monthly, quarterly, and annual surveys on reserves, supply, disposition, and prices for coal. Process renewable and alternative fuel surveys including annual surveys of manufacturers of solar thermal collectors, photovoltaic cells, and geothermal heat pump equipment. Process uranium production and marketing surveys, including annual surveys of the uranium producers, marketers, and nuclear plant operators and a quarterly survey of uranium producers.

- Energy Consumption and Efficiency Surveys 4,535 11,610  
Collect and publish definitive, national end-use consumption data for commercial buildings, residential buildings, and manufacturing. The end-use consumption surveys contribute to EIA’s integrated energy statistics and provide critical inputs to short- and longer-term forecasting activities, provide baseline information critical to understanding energy use, and are the basis for benchmarking and performance measurement for energy efficiency programs.

The Commercial Buildings Energy Consumption Survey (CBECS) provides the only national data regarding characteristics of the United States’ commercial building stock and its energy use, and provides baseline information critical to understanding energy end-use, establishing appliance standards, and developing performance measurements for energy efficiency programs.

In FY 2012, operate CBECS 2011 at 1.5 times the size of the historical CBECS. The larger sample size of 7,500 - 9,000 buildings is essential to strengthen statistical reliability and data quality. It would allow EIA to publish data on more building types; provide more robust delineation of energy into end-uses such as space heating, ventilation, cooling,

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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refrigeration and lighting; and, for the first time, publish end-use estimates by each Census Region or climate zone. With a larger CBECS, EIA could include random samples of EnergyStar and Leadership in Energy and Environmental Design (LEED) or similarly certified buildings to permit more robust statistical comparisons of program participant versus nonparticipant building groups. The expanded survey would reveal building activities where there have been aggressive new standards, policies, and investments in energy efficiency. Furthermore, the larger survey sample would permit more complex analysis of key indicators of energy use and would support measurement of programs under the American Recovery and Reinvestment Act. The total support services cost of the larger CBECS is approximately \$14.4 million over three years (FY 2011 to FY 2013). This compares to about \$10.5 million for the historic CBECS sample size.

The Manufacturing Energy Consumption Survey (MECS) provides information on energy throughput and economic and operational characteristics of U.S. manufacturers. Linked with production and employment data from Census Bureau economic surveys, the MECS provides consumption information for policy development, market assessment, computation of gross national product, and public understanding. In FY 2012, resume conducting MECS biennially as required by Section 205 of the DOE Organization Act. The MECS 2010 will be completed in FY 2011 and MECS 2012 would begin in FY 2012. The total support services cost of the MECS 2012 is approximately \$3.4 million over two years (FY 2012 to FY 2013). This compare to about \$2.8 for the MECS 2010.

The Residential Energy Consumption Survey (RECS) provides information on structural, equipment, and operational characteristics of housing units, along with household energy consumption and expenditures. The RECS provides baseline information crucial to understanding societal demand for and use of goods and services in U.S. households.

In FY 2012, begin preparatory work on the RECS 2013 end-use estimates. An expanded sample sized is planned for the RECS 2013. The total support services cost of the historical (base) sample size RECS is approximately \$7.2 million. This compares to about \$14.0 million for the larger (three times the base) RECS 2009 sample size. Funding for RECS 2013 will be spread over four years (FY 2012 to FY 2015), with approximately \$500 thousand provided in FY 2012.

- Financial and Environmental Data Surveys 2,725 2,589  
Collect and analyze data on the financial condition of major U.S. energy-producing companies in total as well as by specific functions and geographic areas of operation, and produce the annual *Performance Profiles of Major Energy Producers* and several quarterly reports on energy financial news.

Conduct the Voluntary Reporting of Greenhouse Gases Program required under Section 1605(b) of the Energy Policy Act of 1992. This survey allows reporting entities to identify

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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and claim emissions reduction activities they have taken; provides a means for entities to identify and replicate emissions reduction activities that they may use; and provides estimates of voluntary greenhouse gas emissions reductions and other information to the Congress, the Executive Branch, and the public for policy making purposes.

Produce the *Annual Energy Review*, *Monthly Energy Review*, and *State Energy Profiles*, each of which provides essential comprehensive national and state-level data that support EIA analysis and forecasting, more efficient energy markets, and state-level decision making.

- **Energy Analysis and Forecasting** 6,795 9,279  
Conduct energy analysis and forecasting activities, including the analysis of energy supply, demand, conversion, and prices. Update and operate EIA's energy models. Assess the impact of proposed energy policies on projected energy trends. Prepare the *Annual Energy Outlook*, the monthly *Short-Term Energy Outlook*, and the *International Energy Outlook*, among other publications, to provide comprehensive projections of domestic and international energy markets. Prepare special modeling analyses requested by the Congress or the Executive Branch.  
  
Develop, maintain, and document energy models. EIA's models, which are in the public domain, are used by EIA and other DOE program offices, National Laboratories, non-governmental organizations, academic researchers, and others for a variety of energy analysis purposes.
- **Energy Modeling and Analysis** 3,774 3,774  
Operate the NEMS, a computer-based, mid-to-long term energy-economy modeling system. Using the output from NEMS, prepare the *Annual Energy Outlook*, which presents a 20- to 25-year projection and analysis of U.S. energy supply, demand, and prices.  
  
Update and operate the Regional Short-Term Energy Model (RSTEM), an integrated information system that forecasts U.S. supplies, demands, imports, stocks, and prices of energy with a horizon of 12 to 24 months. Using the output from RSTEM, prepare the monthly *Short-Term Energy Outlook*, a *Summer Motor Gasoline Outlook* (in April), and a *Winter Fuels Outlook* (in October).  
  
Update and operate the World Energy Projections System Plus (WEPS+), which incorporates projections from independently documented models and assumptions about the future energy intensity of economic activity. Using the output from WEPS+, prepare the annual *International Energy Outlook*, which presents EIA's assessment of the outlook for international energy markets 20 - 25 years into the future, as well as special reports and one-time analytical reports requested by the Congress, the Executive Branch, other DOE offices, and other government agencies.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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- **Energy Model Development** 2,721 4,344  
Overhaul EIA’s NEMS model of energy supply, demand, prices and technologies that was developed in 1992. While much of the model has evolved substantially over the years, some fundamental aspects of the NEMS structure have limitations that threaten EIA’s ability to provide accurate baseline energy projections, analyze proposed energy policies, and support studies of energy technology programs by DOE program offices to comply with the Government Performance and Results Act (GPRA). The new modules will help meet the needs of the Congress, the Administration, and other customers for more relevant, reliable, and timely assessments and forecasts of emerging policy and technology issues using a modern modeling platform that is more efficient to develop and maintain.

FY 2012 activities include: (1) Complete development of the new liquid fuels market module, including enhanced treatment of biofuels. (2) Complete and deploy the new lower-48 oil and gas supply module, including treatment of enhanced oil recovery opportunities using captured CO<sub>2</sub>. (3) Begin developing the regional transportation module that is critical for vehicle efficiency standards and biofuels demand analysis. (4) Evaluate and revise the decision-making algorithms in the electric power and end-use sector modules to better represent producer and consumer behavior. This is a multiyear effort. (5) Initiate multiyear technology-specific industrial demand module effort. (6) Initiate multiyear land and water competition effort that is critical for biofuels supply analysis. (7) Design, develop, and deploy ongoing alternative solution methods, simulation evaluation tools, output databases, and software.

- **Energy and Financial Markets Initiative** 300 1,161  
Continue the Energy and Financial Markets Initiative that was started in September 2009 to increase understanding of energy price movements and improve market transparency and efficiency. The initiative is focused on: (1) collection of critical information on factors affecting energy; (2) analysis through in-depth studies of energy market behavior; (3) outreach to solicit feedback from a broad range of experts on the interrelationship of energy and financial markets; and (4) working with other federal agencies and with international organizations that are engaged in energy market information collection, analysis, and oversight. The benefits of the effort include: improved understanding and explanation of the relationships of financial market activity and fundamentals to price formation, stronger theories and analytic techniques to explain market behavior, and a more comprehensive tracking of data regarding key physical and non-physical factors that influence energy prices.

- **Energy Information Dissemination and Communications** 3,266 3,630  
Conduct EIA’s comprehensive communications program for diverse external customer groups and agency employees including EIA’s communications policies and standards, the public website, press and media relations, marketing and outreach services, energy education and literacy efforts, and employee intranet.

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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Support maintenance and development of EIA's public website ([www.eia.gov](http://www.eia.gov)), print publications, media relations activities, and customer contact center. Develop and conduct information and communications programs and provide leadership in developing information materials that meet the needs of the EIA's customers and promote the relevance and value of the EIA's data, information, and analysis. Support the Secretary's Data.gov and Open Government Initiatives through data delivery innovations, such as the development of standards-based web services to enable other agencies, financial markets, research institutions, analysts, and the general public to create computer programs that quickly access EIA data and process it into new services beyond the scope and resources of the agency. Coordinate outreach and external relations activities across EIA to disseminate agency information, products, and services and encourage stakeholder participation in EIA activities.

Coordinate outreach and external relations activities across EIA to disseminate agency information, products, and services and encourage stakeholder participation in EIA activities. Operate EIA's Customer Contact Center, the agency's primary point of contact for customer inquiries and publication fulfillment. Support increased energy literacy by maintaining and expanding EIA's popular energy education product line: *Energy Kids*, *Energy-in-Brief*, *Frequently Asked Energy Questions*, *Energy Explained*, and the new *Today in Energy*.

Provide comprehensive coverage of current and historical publication-level data on EIA's public website and manage the EIA dissemination function for all data and analytical releases. Provide leadership to EIA managers in analyzing their web communications needs and propose ways to disseminate EIA information and apply employee intranet resources efficiently and effectively.

- **Resource and Technology Management** **6,384** **5,608**  
Conduct EIA's employee services, information technology policy and operations, and integrated planning, budget, procurement, evaluation and project management activities. Operate and maintain the EIA corporate infrastructure, local area network, and communication equipment, and cyber security requirements. Provide hardware, software, database, network, and other IT support to EIA offices. This support is consistent with EIA's mission requirements as a national statistical agency charged with statutory data confidentiality requirements.

Support overall business management, analysis, and administrative support to the rest of EIA and in response to requests from other components of DOE. Activities include program and strategic planning and evaluation, financial and budget management, contracts management, human resource management, resource and workforce analysis, administrative services, and logistical support services.

**Other Related Expenses** **13,575** **14,343**

Other related expenses include goods and services provided through the DOE Working Capital Fund for operations such as building occupancy, utilities, supplies and materials, phone service, copying, mail supplies, procurement management, and payroll processing. This activity also

(dollars in thousands)

FY 2010 Current Approp	FY 2012 Request
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covers employee training; other overhead expenses such as the Dallas Field Office; communications equipment; personal computers; supplies, materials, and services purchased directly by EIA; and funding for Historical Black Colleges and Universities, Hispanic Serving Institutions, Tribal Colleges and Universities, and commemorative programs. Funds also may be used for personnel security investigations.

<b>Total, Program Direction</b>	<b>110,595</b>	<b>123,957</b>
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### Explanation of Funding Changes

FY 2012 vs. FY 2010 Current Approp (\$000)
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#### Salaries and Benefits

The increase in salaries and benefits covers 16 additional full-time equivalents to support the energy and financial markets initiative, increased energy literacy, expanded energy consumption surveys, improved modeling and analysis, and promotions, and within-grade increases.

+ \$2,242

#### Travel

The lower travel cost is due to increased reliance on video telecommunications.

-80

#### Support Services

The overall increase improves EIA's capabilities to provide comprehensive, relevant energy information, strengthen analysis, and deliver energy information to its user community in the most efficient and effective means. Includes: **(1) a net increase of \$8,360 in Energy Data Collection, Processing and Integration** to expand surveys of energy consumption in homes, the commercial sector, and manufacturing (+\$7,075): expands the Commercial Building Energy Consumption Survey at 1.5 times the historical level, resumes the 2012 Manufacturing Energy Consumption Survey on a biennial cycle, and starts the 2013 Residential Energy Consumption Survey; and to continue improvements in energy data coverage and quality (+\$1,421), offset by a slight decrease in data integration (-\$136). **(2) an increase of \$2,484 in Energy Analysis and Forecasting** to continue upgrades to the aging National Energy Modeling System (+\$1,623) and continue the Energy and Financial Markets Initiative (+\$861). **(3) an increase of \$364 in Energy Information Dissemination and Communications** to support increased energy literacy by developing and implementing innovative, web-based content and expanding EIA's popular energy

+10,432

FY 2012 vs. FY 2010 Current Approp (\$000)
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education product line. **(4) a decrease of \$776 in Resource and Technology Management** that reflects lower contract management support resulting from efficiencies from a new consolidated procurement vehicle and reduced human resources support, i.e. recruitment and hiring, needed for implementation of EIA’s reorganization.

**Other Related Expenses**

The net increase is due to higher Working Capital Fund (WCF) charges including increases in building occupancy, transit subsidy, mail, and phones business lines charges (+\$951); plus WCF charges transferred from DOE’s Office of Management (MA) to EIA to cover services previously budgeted and paid by MA (+\$346); offset by lower IT equipment replacements (-\$261), fewer subscriptions and other non-WCF supplies and materials (- \$203), lower printing and graphics costs due to increased use of internet dissemination (-\$45), and reduced training (-\$20).

+768

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**+13,362**

**Total Funding Change, Program Direction**

**Support Services by Category**

	FY 2010 Current Approp	FY 2012 Request
Technical Support		
Energy Data Collection, Processing and Integration	29,041	37,401
Energy Analysis and Forecasting	6,795	9,279
Energy Information Dissemination and Communications	3,266	3,630
Total, Technical Support	39,102	50,310
Management Support		
Resource and Technology Management	6,384	5,608
Total, Management Support	6,384	5,608
Total, Support Services	45,486	55,918

**Other Related Expenses by Category**

	FY 2010 Current Approp	FY 2012 Request
Other Related Expenses		
Training	420	400
Working Capital Fund	8,037	9,289
Supplies and Materials	1,861	1,658
Equipment	3,000	2,739
Grants, Subsidies, and Contributions	257	257
Total, Other Related Expenses	13,575	14,343

# **Safeguards and Security Crosscut**

# **Safeguards and Security Crosscut**

## Safeguards and Security

### Program Mission

The mission of the Safeguards and Security (S&S) program at each Department of Energy (DOE) site is to protect against theft, diversion, sabotage, espionage, unauthorized access, compromise, and other hostile acts which may cause impacts to national security, program continuity, the health and safety of employees, the public or the environment.

The S&S crosscut budget provides a summary of the Department's S&S programs. Details of the individual S&S programs are described in the following program budget justifications:

- National Nuclear Security Administration (NNSA)
- Environmental Management (EM)
- Health, Safety and Security (HSS)
- 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 adequate management, direction, tracking and monitoring of security costs throughout the Department. Each S&S program budget provides high visibility for S&S issues and helps the Department prioritize functions for effective and efficient S&S program implementation. Furthermore, the structure of S&S budgets ensures consistent presentation across diverse programs, principally NNSA, EM, SC, and NE. For these field security programs, the budget structure takes the form of the following program elements:

- 1. Protective Forces:** Provides for the protection of special nuclear materials, information, employees, and government property from theft, diversion, sabotage, and malicious destruction.
- 2. Physical Security Systems:** Addresses access control and interior/exterior intrusion detection systems.
- 3. Information Security:** Ensures that individuals protect classified matter and sensitive unclassified matter, and establishes protection systems that require degrees of protection for each classification level.
- 4. Cyber Security:** Assures effective and efficient protection of computer and technical resources.
- 5. Personnel Security:** Supports activities associated with the access authorization program.
- 6. Material Control and Accountability:** Provides assurance that the nuclear materials used and/or stored at DOE facilities are properly controlled and accounted for at all times.
- 7. Program Management:** Assures a framework for efficient and effective security operations.
- 8. Security Investigations:** Provides for background investigations for access authorizations.

### Changes in the Composition of the Safeguards and Security Crosscut

Starting in FY 2012, the DOE Office of Energy Efficiency and Renewable Energy (EE), the Office of Fossil Energy, and the Office of Legacy Management (LM) will be included in the DOE Safeguards and Security budget.

## Funding by Site

(dollars in thousands)

	FY 2010 Current Appropriation	FY 2012 Request
Safeguards and Security		
Field Security		
Science	88,816	88,900
National Nuclear Security Administration	923,338	880,159
Environmental Management	279,437	248,826
Nuclear Energy <sup>a</sup>	83,358	98,500
Energy Efficiency and Renewable Energy	3,495	8,407
Fossil Energy	28,233	28,905
Legacy Management	1,402	1,477
Subtotal, Field Security	1,408,079	1,355,174
Headquarters Security		
Health, Safety and Security	261,636	277,387
Chief Information Officer <sup>b</sup>	42,827	28,207
Subtotal, Headquarters Security	304,463	305,594
Total, Safeguards and Security	1,712,542	1,660,768

## Funding Profile

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Safeguards and Security		
Field Security		
Protective Forces	736,794	704,287
Physical Security Systems	150,258	161,053
Information Security	38,626	45,447
Cyber Security	163,920	164,042
Personnel Security	48,105	57,164
Material Control and Accountability	49,529	49,212
Program Management	132,358	121,451
Security Investigations <sup>a</sup>	39,489	40,766
Construction (NNSA)	49,000	11,752
Construction (FE)	0	0
Subtotal, Field Security	1,408,079	1,355,174
Headquarters Security		
Health, Safety and Security	261,636	277,387
Chief Information Officer <sup>b</sup>	42,827	28,207
Subtotal, Headquarters	304,463	305,594
Total Safeguards and Security	1,712,542	1,660,768

<sup>a</sup> In FY 2010, the Office of Nuclear Energy requested funds for Security Investigations under the Idaho Facilities Management budget.

<sup>b</sup> Funding provides for DOE's comprehensive cyber/computer security program, operational cyber security for Headquarters information technology assets, and continuity of operations activities. This program is described fully within the request for Departmental Administration.

## Protective Forces

### Funding Schedule

	(dollars in thousands)	
	FY 2010 Current Approp	FY 2012 Request
Protective Forces		
Science	35,059	37,147
National Nuclear Security Administration	453,779	418,758
Environmental Management	178,617	164,143
Nuclear Energy	45,825	56,528
Energy Efficiency and Renewable Energy	1,864	5,779
Fossil Energy	21,125	21,373
Legacy Management	525	559
Total, Protective Forces	736,794	704,287

### 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. To accomplish this mission:

- Protective Force programs throughout the complex provide for personnel salaries, wages and benefits for personnel; management and supervision; and well-maintained and logically deployed equipment and facilities to ensure effective performance of assigned functions and tasks under normal and emergency conditions.
- Protective Forces programs include the conduct of access control and security response operations; the physical protection of special nuclear material, classified matter and information, and government property; emergency response forces and tactical assistance during events as well as an on-scene security commander; random patrols; coordination with local law enforcement and protective force elements aimed at providing effective response to emergency situations; random prohibited article inspections; security alarm monitoring and dispatch services; the collection and destruction of classified matter; and constant testing of the protective force to respond to various event scenarios.
- Protective Forces programs maintain a Special Response Team capability to provide resolution of incidents that require effective and timely response with force options that exceed the capability of front line protective force personnel. This includes recapture and recovery operations involving the use of special weapons, systems and tactics to effect recovery of special nuclear material under authorized control.

## Physical Security Systems

### Funding Schedule

	(dollars in thousands)	
	FY 2010 Current Approp	FY 2012 Request
Physical Security Systems		
Science	11,896	10,435
National Nuclear Security Administration	92,000	112,433
Environmental Management	34,946	22,605
Nuclear Energy	10,255	14,406
Energy Efficiency and Renewable Energy	0	0
Fossil Energy	1,074	1,083
Legacy Management	87	91
Total, Physical Security Systems	150,258	161,053

### 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 Orders. Physical Security System programs are also responsible for two subprograms: (1) a barriers, secure storage, and lock program to restrict, limit, delay or deny entry into a designated area; and (2) an entry control and access program that provides positive identification of personnel requiring access to facilities and initial access to facilities in general, ensuring that persons entering or leaving facilities are authorized, and do not introduce prohibited articles into or remove Government property from Departmental facilities.

The budget estimates include all access control administrative activity involving production, accountability and destruction of access authorization badges and firearms credentials. They also include systems components and tamper-safe oversight by monitoring and responding to alarms, determining access and securing all alarmed structures on site. In addition, this element provides for handling all radio communications for the protection of the facilities.

## Information Security

### Funding Schedule

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Information Security		
Science	4,655	4,595
National Nuclear Security Administration	25,300	30,117
Environmental Management	6,506	8,721
Nuclear Energy	1,736	1,616
Energy Efficiency and Renewable Energy	0	72
Fossil Energy	400	296
Legacy Management	29	30
Total, Information Security	38,626	45,447

### Mission

The Information Security element of field S&S ensures that material and documents that may contain sensitive and classified information are accurately and consistently identified, properly reviewed for content, appropriately marked and protected from unauthorized disclosure, and ultimately destroyed in an approved manner.

Information Security programs provides for plans, policies, procedures and training to ensure that all employees are aware of the requirements for the identification, review, classification, declassification, marking, protection and proper disposal of sensitive information and classified material. In addition, operational security considerations are used to preclude inadvertent compromise of classified material.

## Cyber Security

### Funding Schedule

	(dollars in thousands)	
	FY 2010 Current Approp	FY 2012 Request
Cyber Security		
Science	16,119	15,042
National Nuclear Security Administration	123,338	126,614
Environmental Management	6,645	6,875
Nuclear Energy	13,332	10,500
Energy Efficiency and Renewable Energy	1,206	1,369
Fossil Energy	2,815	3,157
Legacy Management	465	485
Total, Cyber Security	163,920	164,042

### Mission

The Cyber Security element of field S&S ensures that sensitive and classified information that is electronically processed, transmitted, or stored, is properly identified and protected. Cyber Security programs also ensure that electronic systems are appropriately marked and protected. The programs plan, document, and test classified automated information systems (AIS), communications security (COMSEC), investigations and studies of compromising emanations (TEMPEST); and maintain an appropriate level of infrastructure reliability and integrity, as well as an unclassified AIS program. Included are appropriate plans, policies and procedures, assessments, tests, monitoring and self-assessments, certifications, and user and administrator training and awareness.

The amounts given here are program funds and do not include amounts in Program Direction accounts for Federal staff assigned to Cyber Security work within the program offices. Nor do they include security elements that are within software applications developed for the Department's programmatic or administrative purposes; whether directly or indirectly funded.

## Personnel Security

### Funding Schedule

	(dollars in thousands)	
	FY 2010 Current Approp	FY 2012 Request
Personnel Security		
Science <sup>a</sup>	5,651	6,633
National Nuclear Security Administration	30,600	37,285
Environmental Management	8,935	9,599
Nuclear Energy	2,170	2,399
Energy Efficiency and Renewable Energy	229	697
Fossil Energy	491	521
Legacy Management	29	30
Total, Personnel Security	48,105	57,164

### 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) operating and maintenance estimates associated with classified and unclassified visits and assignments by foreign nationals.

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<sup>a</sup> Funding of \$184,000 in FY 2010 and \$272,000 in FY 2012 from direct appropriations is included in Security Investigations for the federal portion of this activity.

## Material Control and Accountability

### Funding Schedule

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Material Control and Accountability		
Science	2,319	2,379
National Nuclear Security Administration	35,200	34,592
Environmental Management	7,173	6,975
Nuclear Energy	4,837	5,266
Energy Efficiency and Renewable Energy	0	0
Fossil Energy	0	0
Legacy Management	0	0
Total, Material Control and Accountability	49,529	49,212

### Mission

The Material Control and Accountability (MC&A) element of field S&S provides assurance that nuclear materials are properly controlled and accounted for at all times. MC&A provides evidence that all nuclear materials are accounted for appropriately and that theft, diversion, or operational loss has not occurred. MC&A also supports weapons production, nuclear nonproliferation, nuclear materials operations, facility closure, and nuclear critical safety by determining and documenting the amounts of nuclear materials in weapons and packaged items. MC&A administration includes the following: (1) assessing the levels of protection, control and accounting required for the types and quantities of materials at each facility; (2) documenting facility plans for nuclear materials control and accounting; (3) assigning authorities and responsibilities for MC&A functions; (4) ensuring that facility MC&A personnel are trained and qualified to perform their responsibilities; (5) establishing programs to report occurrences such as nuclear material theft, the loss of control or inability to account for nuclear materials, or evidence of malevolent acts; (6) conducting performance testing of required program elements; and (7) establishing facility programs to conduct and document internal assessments of their operations and MC&A programs.

## Program Management

### Funding Schedule

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Program Management		
Science	7,117	7,397
National Nuclear Security Administration	83,944	77,920
Environmental Management	33,665	27,779
Nuclear Energy	5,203	5,483
Energy Efficiency and Renewable Energy	196	490
Fossil Energy	1,966	2,100
Legacy Management	267	282
Total, Program Management	132,358	121,451

### 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 Orders, professional and technical training is administered, and goals and objectives of the Office of Health, Safety and Security are implemented complex wide.

The programs develop S&S plans or other applicable security plans and implement S&S requirements, conduct surveys to determine whether S&S requirements have been implemented, respond to national and local threats and perform a vulnerability analysis that measures the risk of S&S assets. Program Management includes participation in the quality panel process, which raises issues from the field to the headquarters managers and ensures that the staff is properly educated with respect to security matters.

## Security Investigations

### Funding Schedule

(dollars in thousands)

	FY 2010 Current Approp	FY 2012 Request
Security Investigations		
Science <sup>a</sup>	6,000	5,272
National Nuclear Security Administration <sup>b</sup>	30,177	30,688
Environmental Management	2,950	2,129
Nuclear Energy <sup>c</sup>	0	2,302
Energy Efficiency and Renewable Energy	0	0
Fossil Energy	362	375
Legacy Management	0	0
<b>Total, Security Investigations</b>	<b>39,489</b>	<b>40,766</b>

### Mission

The Security Investigations element of field S&S funds background investigations associated with providing access authorizations (security clearances) to DOE Federal and contract personnel who, in the performance of their official duties, require access to classified information or certain quantities of special nuclear material. Background investigations are required by Section 145 of the Atomic Energy Act of 1954, as amended, and Executive Order 12968, *Access to Classified Information*. The investigations are performed and access authorizations granted based on 10 C.F.R. 710, *Criteria and Procedures for Determining Eligibility for Access to Classified Matter or Special Nuclear Material*.

The Federal Bureau of Investigation conducts background investigations for DOE Federal personnel for positions of a high degree of importance or sensitivity as dictated by DOE Manual 470.4-5, *Personnel Security*, and 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.

<sup>a</sup> In FY 2010, \$184,000 is from direct appropriations for federal field personnel and an estimated \$5,816,000 is from indirect charges by the programs needing the clearances and in FY 2012 the respective amounts are \$272,000 and \$5,000,000.

<sup>b</sup> Beginning in FY 2010, NNSA contractor field security personnel clearance costs are treated as an element of contractor overhead, while Federal personnel clearance costs are included in the Office of the Administrator budget.

<sup>c</sup> In FY 2010, the Office of Nuclear Energy requested funds for Security Investigations under the Idaho Facilities Management budget.

# Pensions

# Pensions

## Pensions

### Contractor Defined-Benefit<sup>a</sup> Pension Plan Contributions<sup>b</sup>

This section of the budget provides projected contractor defined-benefit (DB) pension plan contributions for FY 2010 and FY 2012 by plan and by the following DOE Program Offices<sup>c,d</sup>:

- Office of Environmental Management (EM)
- Office of Science (SC)
- Office of Energy Efficiency and Renewable Energy (EERE)
- Office of Nuclear Energy (NE)
- Office of Electricity Delivery and Energy Reliability (OE)
- Office of Fossil Energy (FE)
- Office of Legacy Management (LM)

Projected contractor DB pension plan contributions are provided for FY 2010 through FY 2016 by plan for the National Nuclear Security Administration (NNSA).

A portion of the Department of Energy's budget will be used to reimburse the costs of the contributions DOE contractors are required to make to defined-benefit (DB) pension plans as part of the indirect costs. 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 for incumbent employees who work and retire from employment at those sites and facilities.

Increased contributions began to be required for some of these DB pension plans in FY 2009 as investment values fell, interest rates decreased, and the accelerated funding requirements imposed by the Pension Protection Act of 2006 (PPA) amendments to ERISA took effect, thereby increasing the plans' long-term liabilities. In addition, the Department elected to require contractors to maintain their DB pension plans at an 80 percent funded status, which further increased required contribution levels and related reimbursements. The Department chose an 80 percent funded threshold to allow the contractors as plan sponsors to avoid the requirement to issue notices to plan participants when the plan funding falls below 80 percent and to avoid the imposition of restrictions on certain benefits triggered when plan funding falls below 80 percent. The restrictions and requirements that take effect when plan funding fall below 80 percent are imposed by ERISA as amended by PPA.

In early January 2010, the Department eliminated the requirement that every DB pension plan sponsored by a DOE contractor for its employees maintain an 80 percent funded status. Contractors will now be

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<sup>a</sup> Some DOE contractors administer non-defined benefit pension plans (i.e. defined contribution plans), which are not included in the table.

<sup>b</sup> As of 9/30/10, DOE reimburses contributions for 40 qualified pension plans and 10 non-qualified pension plans. Non-qualified plans have no assets and are funded on a pay-as-you-go basis. Estimates for these 10 plans are available for only FY2010 through FY2012.

<sup>c</sup> Program office contribution level is a pro-rata estimate.

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

required to fund their DB pension plans at a level equivalent to the minimum required by ERISA, or higher if necessary for a DB pension plan to have a funded status of at least 60 percent. 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.

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 for FY 2011 will not be known until after budget development. Since contractor contributions are appropriately a part of indirect costs, DOE does not reimburse these contributions as direct costs. 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.

Projections of future DB pension plan contributions are highly sensitive to underlying data, methods, and especially assumptions. Thus, the annual actuarial valuation may yield different contribution levels.

- Table 1 provides aggregate NNSA FY 2011-2016 estimated pension plan contributions (as of Nov. 2010).
- Table 2 provides aggregate NNSA and DOE Program Office FY 2012 estimated pension plan contributions (as of Nov. 2010).
- Table 3 provides plan-by-plan NNSA and DOE Program Office FY 2010 (actual) DB pension plan contributions.
- Table 4 provides plan-by-plan NNSA and DOE Program Office FY2012 estimated DB pension plan contributions (as of Nov. 2010).
- Tables 5-9 provide plan-by-plan NNSA FY2011 and FY2013-FY2016 estimated DB pension plan contributions (as of Nov. 2010).

These pension plan contributions are calculated and budgeted for by the Department of Energy's respective contractors, and reviewed by the Office of the Chief Financial Officer.

**Table 1: FY 2011-2016 NNSA Projected Contributions**  
Based on November 2010 data call and pro-rated by Program Office

(dollars in thousands)

<b>Program Office</b>	<b>FY11</b>	<b>FY12</b>	<b>FY13</b>	<b>FY14</b>	<b>FY15</b>	<b>FY16</b>	<b>FY2011-2016 Total Projected Contributions</b>
NNSA	443,889	840,713	892,264	961,693	943,496	892,449	<b>4,974,504</b>

\* Non-qualified plan contribution projections based on FY10 financial statement reports and available only for FY10 through FY12.

**Table 2: FY 2012 Projected Contributions by DOE Program Office & NNSA**  
Based on November 2010 data call and pro-rated by Program Office

(dollars in thousands)

<b>Program Office</b>	<b>FY12</b>
NNSA	840,713
EM	410,684
SC	96,368
EERE	42,714
NE	33,205
OE	4,009
FE	2,956
WFO	235,961
OTHER	23,787
LM	4,300
<b>Total FY2012 Projected Contributions</b>	<b>1,694,698</b>

\* Non-qualified plan contribution projections based on FY10 financial statement reports and available only for FY10 through FY12.

**Table 3: FY 2010 Contractor Defined-Benefit Pension Plan Contributions by Plan and DOE Program Office**  
Based on FY 2010 financial statement reports and November 2010 data call and pro-rated by Program Office

(dollars in thousands)

<b>Contractor Pension Plan Name</b>	<b>FY 2010 Contribution</b>	<b>NNSA</b>	<b>EM</b>	<b>SC</b>	<b>EERE</b>	<b>NE</b>	<b>OE</b>	<b>CRWM</b>	<b>FE</b>	<b>WFO</b>	<b>Other</b>	<b>LM</b>
LANS Defined Benefit Pension Plan	126,128	89,551	6,306	5,045	1,261	2,523	0	0	0	21,442	0	0
Rocky Flats Retirement Plan	91,182	0	0	0	0	0	0	0	0	0	0	91,182
Sandia Corporation Retirement Income Plan	87,500	43,485	477	2,368	2,338	530	360	0	353	36,328	1,261	0
Hanford Multi-Employer Pension Plan	81,131	0	79,503	1,628	0	0	0	0	0	0	0	0
Idaho National Laboratory Employee Retirement Plan	73,089	6,501	39,258	273	866	15,050	199	64	66	10,397	415	0
Pension Plan of the Pacific Northwest Laboratories, Battelle Memorial Institute	47,397	8,579	948	8,579	4,408	474	711	0	521	18,011	5,166	0
Pension Plan for Employees at ORNL	36,000	2,664	900	19,476	3,312	828	468	0	0	7,668	684	0
Honeywell Retirement Earnings Plan For Aerospace Employees at the Kansas City Division	32,900	24,280	0	0	0	0	0	0	0	8,620	0	0
Savannah River Nuclear Solutions Multiple Employer Pension Plan	31,288	6,261	22,327	0	0	0	0	0	0	2,362	338	0

<b>Contractor Pension Plan Name</b>	<b>FY 2010 Contribution</b>	<b>NNSA</b>	<b>EM</b>	<b>SC</b>	<b>EERE</b>	<b>NE</b>	<b>OE</b>	<b>CRWM</b>	<b>FE</b>	<b>WFO</b>	<b>Other</b>	<b>LM</b>
National Security Technologies, LLC (NSTec) Employee Retirement Plan	20,459	13,841	2,248	0	0	0	0	0	8	4,362	0	0
B&W Pantex, Non Bargaining	18,747	18,582	0	0	0	0	0	0	0	81	84	0
The Kansas City Division (Honeywell International Inc.) Hourly Employees Pension Plan	13,200	10,085	0	0	0	0	0	0	0	3,115	0	0
Salaried Employee Pension Plan for KAPL Employees and Retirees	12,600	12,600	0	0	0	0	0	0	0	0	0	0
National Renewable Energy Laboratory Retirement Plan	10,319	0	0	320	9,492	0	73	0	0	434	0	0
Pension Plan for Eligible Bettis Employees and Retirees	6,728	6,728	0	0	0	0	0	0	0	0	0	0
Bechtel Jacobs Pension Plan for Grandfathered Employees	6,340	0	6,340	0	0	0	0	0	0	0	0	0
WSI Pension Plan for Employees at Oak Ridge, TN	5,675	3,973	851	851	0	0	0	0	0	0	0	0
B&W Pantex, Metal Trades Council	4,824	4,781	0	0	0	0	0	0	0	21	22	0

Contractor Pension Plan Name	FY 2010 Contribution	NNSA	EM	SC	EERE	NE	OE	CRWM	FE	WFO	Other	LM
University of California Retirement Plan - Lawrence Berkeley National Laboratory	4,051	60	8	2,707	271	9	21	0	41	933	1	0
TRU Solutions Pension Plan	3,909	0	3,909	0	0	0	0	0	0	0	0	0
WSI Indep. Guard Assoc. of Nevada	3,300	3,300	0	0	0	0	0	0	0	0	0	0
B&W Pantex, Pantex Guards Union	1,900	1,883	0	0	0	0	0	0	0	8	9	0
Mound Employees Pension Plan	1,877	0	0	0	0	0	0	0	0	0	0	1,877
Pension Plan for KAPL Employees in Participating Bargaining Units	1,620	1,620	0	0	0	0	0	0	0	0	0	0
WSI Las Vegas	1,472	1,472	0	0	0	0	0	0	0	0	0	0
Sandia Corporation Non-Qualified Pension Plan	1,311	651	7	35	35	8	5	0	5	544	19	0
Uranium Disposition Services	717	0	717	0	0	0	0	0	0	0	0	0
Bechtel Marine Propulsion Corp. Non-Qualified Plan	596	596	0	0	0	0	0	0	0	0	0	0
Savannah River Nuclear Solutions Non-Qualified Pension Plan	475	95	339	0	0	0	0	0	0	36	5	0
CSC Occupational Health Services Retirement Plan	383	0	383	0	0	0	0	0	0	0	0	0

<b>Contractor Pension Plan Name</b>	<b>FY 2010 Contribution</b>	<b>NNSA</b>	<b>EM</b>	<b>SC</b>	<b>EERE</b>	<b>NE</b>	<b>OE</b>	<b>CRWM</b>	<b>FE</b>	<b>WFO</b>	<b>Other</b>	<b>LM</b>
Yucca Mountain Salaried Pension Plan	175	0	0	0	0	0	0	175	0	0	0	0
West Valley Government Services Executive Non-Qualified Pension Plan	151	0	151	0	0	0	0	0	0	0	0	0
URS Corporation Government Services Executive Non-Qualified Pension Plan	49	0	49	0	0	0	0	0	0	0	0	0
Battelle Memorial Institute SERP Non-Qualified Plan	9	2	0	2	1	0	0	0	0	4	1	0
University of California Retirement Plan - Lawrence Livermore National Laboratory	0	0	0	0	0	0	0	0	0	0	0	0
BW Y-12 Pension Plan	0	0	0	0	0	0	0	0	0	0	0	0
University of California Retirement Plan – Los Alamos National Laboratory	0	0	0	0	0	0	0	0	0	0	0	0
West Valley Pension Plan	0	0	0	0	0	0	0	0	0	0	0	0
SLAC	0	0	0	0	0	0	0	0	0	0	0	0
Argonne National Laboratory Firefighters	0	0	0	0	0	0	0	0	0	0	0	0
Lawrence Livermore National Security	0	0	0	0	0	0	0	0	0	0	0	0

<b>Contractor Pension Plan Name</b>	<b>FY 2010 Contribution</b>	<b>NNSA</b>	<b>EM</b>	<b>SC</b>	<b>EERE</b>	<b>NE</b>	<b>OE</b>	<b>CRWM</b>	<b>FE</b>	<b>WFO</b>	<b>Other</b>	<b>LM</b>
Argonne National Laboratory Guards	0	0	0	0	0	0	0	0	0	0	0	0
Lockheed Martin Specialty Plan	0	0	0	0	0	0	0	0	0	0	0	0
Sandia Corporation Pension Security Plan	0	0	0	0	0	0	0	0	0	0	0	0
Fernald Employees' Retirement Plan	0	0	0	0	0	0	0	0	0	0	0	0
Rocky Flats Retirement Plan for Hourly Plant Protection Employees	0	0	0	0	0	0	0	0	0	0	0	0
LANS Restoration Plan	0	0	0	0	0	0	0	0	0	0	0	0
LLNS Restoration Plan	0	0	0	0	0	0	0	0	0	0	0	0
LANS 401(a)(17) Restoration Plan	0	0	0	0	0	0	0	0	0	0	0	0
LLNS 401(a)(17) Restoration Plan	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total, FY 2010</b>	<b>727,503</b>	<b>261,590</b>	<b>166,598</b>	<b>41,284</b>	<b>21,984</b>	<b>19,422</b>	<b>1,838</b>	<b>239</b>	<b>994</b>	<b>114,366</b>	<b>8,005</b>	<b>91,182</b>

**Table 4: Projected FY 2012 Contractor Defined-Benefit Pension Plan Contributions by Plan and DOE Program Office**  
Based on FY10 financial statement reports and November 2010 data call and pro-rated by Program Office

(dollars in thousands)

<b>Contractor Pension Plan Name</b>	<b>FY 2012 Contribution</b>	<b>NNSA</b>	<b>EM</b>	<b>SC</b>	<b>EERE</b>	<b>NE</b>	<b>OE</b>	<b>FE</b>	<b>WFO</b>	<b>Other</b>	<b>LM</b>
Savannah River Nuclear Solutions Multiple Employer Pension Plan	286,000	57,229	204,090	0	0	0	0	0	21,593	3,088	0
Sandia Corporation Retirement Income Plan	227,000	112,813	1,236	6,143	6,067	1,374	934	917	94,245	3,271	0
LANS Defined Benefit Pension Plan	201,000	132,782	15,077	11,642	2,605	3,328	552	1,003	31,627	2,384	0
University of California Retirement Plan - Lawrence Livermore National Laboratory	153,941	153,941	0	0	0	0	0	0	0	0	0
Idaho National Laboratory Employee Retirement Plan	121,201	10,781	65,207	452	1,437	24,957	329	109	17,241	688	0
Pension Plan for Employees at ORNL	93,000	6,324	1,767	50,461	9,114	2,883	744	0	19,902	1,805	0
BW Y-12 Pension Plan	92,000	86,020	0	0	0	0	0	0	1,380	4,600	0
Hanford Multi-Employer Pension Plan	89,047	0	89,047	0	0	0	0	0	0	0	0
University of California Retirement Plan - Los Alamos National Laboratory	70,114	70,114	0	0	0	0	0	0	0	0	0
Pension Plan of the Pacific Northwest Laboratories, Battelle Memorial Institute	60,001	10,860	1,200	10,860	5,580	600	900	660	22,801	6,540	0

<b>Contractor Pension Plan Name</b>	<b>FY 2012 Contribution</b>	<b>NNSA</b>	<b>EM</b>	<b>SC</b>	<b>EERE</b>	<b>NE</b>	<b>OE</b>	<b>FE</b>	<b>WFO</b>	<b>Other</b>	<b>LM</b>
Pension Plan for Eligible Bettis Employees and Retirees	54,100	54,100	0	0	0	0	0	0	0	0	0
Salaried Employee Pension Plan for KAPL Employees and Retirees	53,700	53,700	0	0	0	0	0	0	0	0	0
National Security Technologies, LLC (NSTec) Employee Retirement Plan	36,070	24,203	4,184	0	0	0	0	0	6,529	1,154	0
Honeywell Retirement Earnings Plan For Aerospace Employees at the Kansas City Division	30,000	18,600	0	0	0	0	0	0	11,400	0	0
National Renewable Energy Laboratory Retirement Plan	19,877	0	0	1,218	16,351	0	449	0	1,859	0	0
University of California Retirement Plan - Lawrence Berkeley National Laboratory	19,656	179	136	13,539	1,514	52	94	260	3,655	227	0
B&W Pantex, Non Bargaining	15,831	15,831	0	0	0	0	0	0	0	0	0
The Kansas City Division (Honeywell International Inc.) Hourly Employees Pension Plan	12,500	9,550	0	0	0	0	0	0	2,950	0	0

<b>Contractor Pension Plan Name</b>	<b>FY 2012 Contribution</b>	<b>NNSA</b>	<b>EM</b>	<b>SC</b>	<b>EERE</b>	<b>NE</b>	<b>OE</b>	<b>FE</b>	<b>WFO</b>	<b>Other</b>	<b>LM</b>
Bechtel Jacobs Pension Plan for Grandfathered Employees	10,400	0	10,400	0	0	0	0	0	0	0	0
TRU Solutions Pension Plan	8,128	0	8,128	0	0	0	0	0	0	0	0
B&W Pantex, Metal Trades Council	7,406	7,406	0	0	0	0	0	0	0	0	0
Pension Plan for KAPL Employees in Participating Bargaining Units	6,400	6,400	0	0	0	0	0	0	0	0	0
West Valley Pension Plan	5,162	0	5,162	0	0	0	0	0	0	0	0
WSI Pension Plan for Employees at Oak Ridge, TN	3,979	2,785	597	597	0	0	0	0	0	0	0
Mound Employees Pension Plan	3,900	0	0	0	0	0	0	0	0	0	3,900
Uranium Disposition Services	2,834	0	2,834	0	0	0	0	0	0	0	0
B&W Pantex, Pantex Guards Union	2,480	2,480	0	0	0	0	0	0	0	0	0
WSI Las Vegas	1,703	1,703	0	0	0	0	0	0	0	0	0
Sandia Corporation Non-Qualified Pension Plan	1,625	807	9	44	43	10	7	7	675	23	0
SLAC	1,453	0	0	1,402	0	0	0	0	51	0	0

<b>Contractor Pension Plan Name</b>	<b>FY 2012 Contribution</b>	<b>NNSA</b>	<b>EM</b>	<b>SC</b>	<b>EERE</b>	<b>NE</b>	<b>OE</b>	<b>FE</b>	<b>WFO</b>	<b>Other</b>	<b>LM</b>
WSI Indep. Guard Assoc. of Nevada	1,332	1,332	0	0	0	0	0	0	0	0	0
CSC Occupational Health Services Retirement Plan	1,083	0	1,083	0	0	0	0	0	0	0	0
Bechtel Marine Propulsion Corp. Non-Qualified Plan	623	623	0	0	0	0	0	0	0	0	0
Savannah River Nuclear Solutions Non-Qualified Pension Plan	438	88	312	0	0	0	0	0	33	5	0
Rocky Flats Retirement Plan for Hourly Plant Protection Employees	400	0	0	0	0	0	0	0	0	0	400
West Valley Government Services Executive Non-Qualified Pension Plan	155	0	155	0	0	0	0	0	0	0	0
LLNS 401(a)(17) Restoration Plan	61	41	5	4	1	1	0	0	10	1	0
URS Corporation Government Services Executive Non-Qualified Pension Plan	53	0	53	0	0	0	0	0	0	0	0
LLNS Restoration Plan	19	12	1	1	0	0	0	0	3	0	0
LANS 401(a)(17) Restoration Plan	9	6	1	1	0	0	0	0	1	0	0
Battelle Memorial Institute SERP Non-Qualified Plan	9	2	0	2	1	0	0	0	4	1	0

<b>Contractor Pension Plan Name</b>	<b>FY 2012 Contribution</b>	<b>NNSA</b>	<b>EM</b>	<b>SC</b>	<b>EERE</b>	<b>NE</b>	<b>OE</b>	<b>FE</b>	<b>WFO</b>	<b>Other</b>	<b>LM</b>
Argonne National Laboratory Firefighters	6	0	0	3	1	0	0	0	2	0	0
LANS Restoration Plan	2	1	0	0	0	0	0	0	0	0	0
Argonne National Laboratory Guards	0	0	0	0	0	0	0	0	0	0	0
Fernald Employees' Retirement Plan	0	0	0	0	0	0	0	0	0	0	0
Lawrence Livermore National Security	0	0	0	0	0	0	0	0	0	0	0
Lockheed Martin Specialty Plan	0	0	0	0	0	0	0	0	0	0	0
Rocky Flats Retirement Plan	0	0	0	0	0	0	0	0	0	0	0
Sandia Corporation Pension Security Plan	0	0	0	0	0	0	0	0	0	0	0
Yucca Mountain Salaried Pension Plan	0	0	0	0	0	0	0	0	0	0	0
<b>Total, FY 2012</b>	1,694,698	840,713	410,684	96,368	42,714	33,205	4,009	2,956	235,961	23,787	4,300

**Table 5: Projected NNSA FY 2011 Contractor Defined-Benefit Pension Plan Contributions by Plan**  
 Projections based on FY10 financial statement reports and November 2010 data call and pro-rated by Program Office

(dollars in thousands)

Contractor Pension Plan Name	NNSA
Savannah River Nuclear Solutions Multiple Employer Pension Plan	30,616
Sandia Corporation Retirement Income Plan	54,667
LANS Defined Benefit Pension Plan	58,794
Idaho National Laboratory Employee Retirement Plan	7,232
Pension Plan for Eligible Bettis Employees and Retirees	77,200
Pension Plan for Employees at ORNL	3,944
University of California Retirement Plan - Lawrence Livermore National Laboratory	52,738
Pension Plan of the Pacific Northwest Laboratories, Battelle Memorial Institute	8,217
Honeywell Retirement Earnings Plan For Aerospace Employees at the Kansas City Division	23,498

<b>Contractor Pension Plan Name</b>	<b>NNSA</b>
Salaried Employee Pension Plan for KAPL Employees and Retirees	33,300
University of California Retirement Plan - Los Alamos National Laboratory	28,493
National Security Technologies, LLC (NSTec) Employee Retirement Plan	11,132
B&W Pantex, Non Bargaining	15,490
The Kansas City Division (Honeywell International Inc.) Hourly Employees Pension Plan	10,543
University of California Retirement Plan - Lawrence Berkeley National Laboratory	109
B&W Pantex, Metal Trades Council	7,360
Pension Plan for KAPL Employees in Participating Bargaining Units	6,900
WSI Pension Plan for Employees at Oak Ridge, TN	3,270

<b>Contractor Pension Plan Name</b>	<b>NNSA</b>
BW Y-12 Pension Plan	3,440
B&W Pantex, Pantex Guards Union	2,568
WSI Las Vegas	1,581
WSI Indep. Guard Assoc. of Nevada	1,393
Sandia Corporation Non-Qualified Pension Plan	673
Bechtel Marine Propulsion Corp. Non-Qualified Plan	608
Savannah River Nuclear Solutions Non-Qualified Pension Plan	90
LLNS 401(a)(17) Restoration Plan	22
Argonne National Laboratory Firefighters	1
Battelle Memorial Institute SERP Non-Qualified Plan	2
LLNS Restoration Plan	5
LANS 401(a)(17) Restoration Plan	3
<b>Total, FY 2011</b>	<b>443,889</b>

**Table 6: Projected NNSA FY 2013 Contractor Defined-Benefit Pension Plan Contributions by Plan**  
 Projections based on November 2010 data call and pro-rated by Program Office

(dollars in thousands)

Contractor Pension Plan Name	NNSA
Savannah River Nuclear Solutions Multiple Employer Pension Plan	63,632
Sandia Corporation Retirement Income Plan	129,710
University of California Retirement Plan - Lawrence Livermore National Laboratory	188,877
LANS Defined Benefit Pension Plan	86,539
Idaho National Laboratory Employee Retirement Plan	10,869
University of California Retirement Plan - Los Alamos National Laboratory	102,384
Pension Plan for Employees at ORNL	6,324
BW Y-12 Pension Plan	74,800
Salaried Employee Pension Plan for KAPL Employees and Retirees	76,900

<b>Contractor Pension Plan Name</b>	<b>NNSA</b>
Pension Plan of the Pacific Northwest Laboratories, Battelle Memorial Institute	12,724
Pension Plan for Eligible Bettis Employees and Retirees	53,400
National Security Technologies, LLC (NSTec) Employee Retirement Plan	21,308
Honeywell Retirement Earnings Plan For Aerospace Employees at the Kansas City Division	18,600
University of California Retirement Plan - Lawrence Berkeley National Laboratory	244
B&W Pantex, Non Bargaining	15,750
The Kansas City Division (Honeywell International Inc.) Hourly Employees Pension Plan	9,168
B&W Pantex, Metal Trades Council	7,272
Pension Plan for KAPL Employees in Participating Bargaining Units	6,100

<b>Contractor Pension Plan Name</b>	<b>NNSA</b>
WSI Pension Plan for Employees at Oak Ridge, TN	2,333
B&W Pantex, Pantex Guards Union	2,414
WSI Las Vegas	1,654
WSI Indep. Guard Assoc. of Nevada	1,262
<b>Total, FY 2013</b>	<b>892,264</b>

**Table 7: Projected NNSA FY 2014 Contractor Defined-Benefit Pension Plan Contributions by Plan**  
 Projections based on November 2010 data call and pro-rated by Program Office

(dollars in thousands)

Contractor Pension Plan Name	NNSA
Savannah River Nuclear Solutions Multiple Employer Pension Plan	67,034
Sandia Corporation Retirement Income Plan	121,262
University of California Retirement Plan - Lawrence Livermore National Laboratory	235,729
University of California Retirement Plan - Los Alamos National Laboratory	145,453
LANS Defined Benefit Pension Plan	91,824
Idaho National Laboratory Employee Retirement Plan	9,669
Pension Plan of the Pacific Northwest Laboratories, Battelle Memorial Institute	17,358
Pension Plan for Employees at ORNL	5,984
Salaried Employee Pension Plan for KAPL Employees and Retirees	67,600

<b>Contractor Pension Plan Name</b>	<b>NNSA</b>
BW Y-12 Pension Plan	58,905
Pension Plan for Eligible Bettis Employees and Retirees	47,600
Honeywell Retirement Earnings Plan For Aerospace Employees at the Kansas City Division	28,768
University of California Retirement Plan - Lawrence Berkeley National Laboratory	294
National Security Technologies, LLC (NSTec) Employee Retirement Plan	19,409
B&W Pantex, Non Bargaining	15,868
The Kansas City Division (Honeywell International Inc.) Hourly Employees Pension Plan	8,633
B&W Pantex, Metal Trades Council	7,294
Pension Plan for KAPL Employees in Participating Bargaining Units	5,400

<b>Contractor Pension Plan Name</b>	<b>NNSA</b>
WSI Pension Plan for Employees at Oak Ridge, TN	2,186
B&W Pantex, Pantex Guards Union	2,371
WSI Las Vegas	1,853
WSI Indep. Guard Assoc. of Nevada	1,199
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<b>Total, FY 2014</b>	961,693

**Table 8: Projected NNSA FY 2015 Contractor Defined-Benefit Pension Plan Contributions by Plan**  
 Projections based on November 2010 data call and pro-rated by Program Office

(dollars in thousands)

Contractor Pension Plan Name	NNSA
Savannah River Nuclear Solutions Multiple Employer Pension Plan	56,629
University of California Retirement Plan - Lawrence Livermore National Laboratory	262,611
Sandia Corporation Retirement Income Plan	106,849
University of California Retirement Plan - Los Alamos National Laboratory	170,212
LANS Defined Benefit Pension Plan	91,164
Pension Plan of the Pacific Northwest Laboratories, Battelle Memorial Institute	16,018
Idaho National Laboratory Employee Retirement Plan	7,845
Pension Plan for Employees at ORNL	5,236
Salaried Employee Pension Plan for KAPL Employees and Retirees	60,400

<b>Contractor Pension Plan Name</b>	<b>NNSA</b>
Pension Plan for Eligible Bettis Employees and Retirees	46,100
BW Y-12 Pension Plan	43,010
University of California Retirement Plan - Lawrence Berkeley National Laboratory	344
Honeywell Retirement Earnings Plan For Aerospace Employees at the Kansas City Division	20,150
National Security Technologies, LLC (NSTec) Employee Retirement Plan	11,048
B&W Pantex, Non Bargaining	15,963
The Kansas City Division (Honeywell International Inc.) Hourly Employees Pension Plan	9,626
B&W Pantex, Metal Trades Council	7,313
Pension Plan for KAPL Employees in Participating Bargaining Units	5,200

<b>Contractor Pension Plan Name</b>	<b>NNSA</b>
WSI Pension Plan for Employees at Oak Ridge, TN	2,354
B&W Pantex, Pantex Guards Union	2,315
WSI Las Vegas	1,981
WSI Indep. Guard Assoc. of Nevada	1,128
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<b>Total, FY 2015</b>	943,496

**Table 9: Projected NNSA FY 2016 Contractor Defined-Benefit Pension Plan Contributions by Plan**  
 Projections based on November 2010 data call and pro-rated by Program Office

(dollars in thousands)

Contractor Pension Plan Name	NNSA
University of California Retirement Plan - Lawrence Livermore National Laboratory	257,220
Savannah River Nuclear Solutions Multiple Employer Pension Plan	38,820
Sandia Corporation Retirement Income Plan	95,419
University of California Retirement Plan - Los Alamos National Laboratory	165,332
LANS Defined Benefit Pension Plan	88,521
Pension Plan of the Pacific Northwest Laboratories, Battelle Memorial Institute	16,073
Pension Plan for Employees at ORNL	5,032
Lawrence Livermore National Security	55,147
Salaried Employee Pension Plan for KAPL Employees and Retirees	45,700

<b>Contractor Pension Plan Name</b>	<b>NNSA</b>
Pension Plan for Eligible Bettis Employees and Retirees	44,200
University of California Retirement Plan - Lawrence Berkeley National Laboratory	396
BW Y-12 Pension Plan	31,790
B&W Pantex, Non Bargaining	16,035
Honeywell Retirement Earnings Plan For Aerospace Employees at the Kansas City Division	9,486
Idaho National Laboratory Employee Retirement Plan	961
B&W Pantex, Metal Trades Counsel	7,321
The Kansas City Division (Honeywell International Inc.) Hourly Employees Pension Plan	3,438
Pension Plan for KAPL Employees in Participating Bargaining Units	3,000
WSI Pension Plan for Employees at Oak Ridge, TN	2,047

<b>Contractor Pension Plan Name</b>	<b>NNSA</b>
B&W Pantex, Pantex Guards Union	2,250
WSI Las Vegas	2,102
National Security Technologies, LLC (NSTec) Employee Retirement Plan	1,094
WSI Indep. Guard Assoc. of Nevada	1,065
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<b>Total, FY 2016</b>	892,449

## GENERAL PROVISIONS

*SEC. 301. The unexpended balances of prior appropriations provided for activities in this Act may be available to the same appropriation accounts for such activities established pursuant to this title. Available balances may be merged with funds in the applicable established accounts and thereafter may be accounted for as one fund for the same time period as originally enacted.*

*SEC. 302. None of the funds in this or any other Act for the Administrator of the Bonneville Power Administration may be used to enter into any agreement to perform energy efficiency services outside the legally defined Bonneville service territory, with the exception of services provided internationally, including services provided on a reimbursable basis, unless the Administrator certifies in advance that such services are not available from private sector businesses.*

*SEC. 303. When the Department of Energy makes a user facility available to universities or other potential users, or seeks input from universities or other potential users regarding significant characteristics or equipment in a user facility or a proposed user facility, the Department shall ensure broad public notice of such availability or such need for input to universities and other potential users. When the Department of Energy considers the participation of a university or other potential user as a formal partner in the establishment or operation of a user facility, the Department shall employ full and open competition in selecting such a partner. For purposes of this section, the term "user facility" includes, but is not limited to: (1) a user facility as described in section 2203(a)(2) of the Energy Policy Act of 1992 (42 U.S.C. 13503(a)(2)); (2) a National Nuclear Security Administration Defense Programs Technology Deployment Center/User Facility; and (3) any other Departmental facility designated by the Department as a user facility.*

*SEC. 304. 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 2012 until the enactment of the Intelligence Authorization Act for fiscal year 2012.*

*SEC. 305. Not to exceed 5 per centum, or \$100,000,000, of any appropriation, whichever is less, made available for Department of Energy activities funded in this Act or subsequent Energy and Water Development and Related Agencies Appropriation Acts may hereafter be transferred between such appropriations, but no appropriation, except as otherwise provided, shall be increased or decreased by more than 5 per centum by any such transfers, and any such proposed transfers shall be submitted to the Committee on Appropriations of the House and Senate.*

*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. To the extent practicable funds made available in this Act should be used to purchase light bulbs that are "Energy Star" qualified or have the "Federal Energy Management Program" designation.*

Note.—A full-year 2011 appropriation for this account was not enacted at the time the budget was prepared; therefore, this account is operating under a continuing resolution (P.L. 111–242, as amended). The amounts included for 2011 reflect the annualized level provided by the continuing resolution.

