

Program Direction

Overview

The Office of Science's (SC) Program Direction (PD) mission is to support and sustain a skilled and motivated Federal workforce to develop and oversee SC investments in world-leading research and scientific user facilities. SC investments deliver scientific discoveries and technological innovations to solve our Nation's energy and environmental challenges and enable the United States to maintain its global competitiveness. In addition, SC provides easy public access to DOE's scientific findings to further leverage the Federal science investment and advance the scientific enterprise.

Carrying out SC's mission requires highly skilled scientific and technical program and project managers, as well as experts in areas such as acquisition, finance, legal, construction and infrastructure management, human resources, and environmental, safety, and health oversight. SC's Federal workforce plans, executes, and manages science programs that meet critical national needs. National challenges in energy, environmental stewardship, and nuclear security, as well as continued U.S. innovation and scientific competitiveness, all rely upon transformational basic research. Oversight of DOE's basic research portfolio, which includes grants and contracts supporting about 22,000 researchers located at 300 universities and 17 national laboratories, as well as supervision of major construction projects, is a Federal responsibility. SC also enables world-leading research by providing and maintaining state-of-the-art scientific user facilities—the large machines of modern science—supporting nearly 28,000 users. These facilities offer unique capabilities and place U.S. researchers and industries at the forefront of science, technology, and innovation. With adequate staffing levels and a workforce with appropriate skills, education, and experience, SC is an effective and efficient steward that utilizes taxpayer dollars for maximum national benefit.

Headquarters (HQ)

SC HQ Federal staff provide policy, strategy, and resource management for the SC enterprise. The following activities are performed:

- Maintain a balanced research portfolio that includes high-risk, high-reward research to maximize the program's potential to achieve mission goals and objectives.
- Conduct scientific program planning, execution, and management across a broad spectrum of scientific disciplines and program offices; and communicates research interests and priorities to the scientific community.
- Assure rigorous external merit review of research proposals, selection of appropriate peer review experts, development of award recommendations informed by peer review, and regular evaluation of research programs. Each year, SC typically receives between 5,000 and 6,000 new and renewal proposals that require peer review, in addition to managing over 6,000 laboratory, university, non-profit, and private industry research awards already in progress.
- Provide oversight and management of the Science Laboratories Infrastructure program and the maintenance and operational integrity of 10 SC national laboratories.
- Provide policy, strategy, and resource management in the areas of information technology, grants and contracts, budget, and human capital.

Site Offices

SC Site Office Federal staff maintain the business and management infrastructure required to support the scientific mission at 10 SC national laboratories. This includes conducting day-to-day business transactions of contract management activities, approvals to operate hazardous facilities, safety and security oversight, leases, property transfers, sub-contracts, and activity approvals required by laws, regulations, and DOE policy. As part of this, the Site Offices:

- Maintain a comprehensive contract management program to assure contractual mechanisms, supporting over \$3 billion per year of SC mission work performed by contractors at 10 SC national laboratories, are managed effectively and consistently with guidelines and regulations.
- Evaluate complex integrated laboratory activities including nuclear, radiological, and other complex hazards.
- Provide Federal project directors to facilitate execution of line item and other construction projects.

Integrated Support Center (ISC)

The ISC, located at the Chicago and Oak Ridge Offices, provides the business infrastructure to support the SC enterprise. These functions include legal and technical support; financial management; grant and contract processing; safety, security, and health management; labor relations, intellectual property and patent management; environmental compliance; facility infrastructure operations and maintenance; and information systems development and support. As part of this, the ISC:

- Manages the multi-appropriation, multi-program allotments for all SC national laboratories and is responsible for over 90% of SC funds.
- Provides support to SC and other DOE programs for solicitations and funding opportunity announcements, as well as the negotiation, award, administration, and closeout of contracts and financial assistance awards using certified contracting officers and professional acquisition staff.

Office of Scientific and Technical Information (OSTI)

OSTI fulfills the Department's responsibilities for public access to the unclassified results of its research investments, as well as the collection and secured access to DOE's classified and sensitive scientific and technical information. In addition to ensuring long-term preservation, OSTI develops and maintains publicly-accessible web products offering technical reports, conference papers, patents, accepted manuscripts, videos, and datasets produced through the research of DOE's national laboratories and grantees. DOE researchers typically produce 30,000-40,000 research papers annually, and OSTI's physical and electronic collections exceed 1 million research papers. OSTI leverages its expertise in federated search technology to achieve transparency and openness so that citizens can easily find government scientific information without knowing specific organizational structures and sources.

Highlights of the FY 2015 Budget Request

- FY 2015 is an increase of \$4,393,000, or 2.4%, from the FY 2014 appropriation and supports a total FTE level of 975, backfill hiring for only essential SC positions, and targeted recruitment efforts based on contemporary skill requirements.
- In 2013, Secretary Moniz announced plans for a reorganization of the Department's management structure that is designed to achieve several key priorities. Successful implementation of the President's Climate Action Plan, energy strategy, and nuclear security agenda require the appropriate alignment of management functions and strengthened management throughout the agency. The reorganization affects the structure of the Department at the Under Secretary level. It expands the role of the Under Secretary for Science to encompass both science and energy. The resulting Office of the Under Secretary for Science and Energy will manage the Office of Science (SC), as well as the offices of Fossil Energy (FE), Energy Efficiency and Renewable Energy (EERE), Nuclear Energy (NE), Electricity Delivery and Energy Reliability (OE), and Indian Energy (IE), and the Technology Transfer Coordinator. The FY 2015 Request includes \$2.26 million for the five positions created for this newly expanded Under Secretary office.
- Science was granted authority to offer Voluntary Early Retirement Authority/Voluntary Separation Incentive Pay (VERA/VSIP) in targeted areas of the organization in FY 2014. As part of ongoing efforts to improve internal controls and increase transparency, salaries and benefits for all of SC were consolidated at the start of FY 2014 and are now centrally managed at HQ. The FY 2015 funding request for salaries and benefits, shown at OSTI, the ISC and the Field Offices will continue to be managed at HQ.
- Consistent with Executive Order 13539, as amended December 19, 2011, the FY 2015 request supports the President's Council of Advisors on Science and Technology (PCAST), providing \$925,000 for salaries and benefits for 2 FTEs, committee member travel, meeting planning support, and other related expenses.

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

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs. FY 2014 Enacted
Program Direction Summary					
Washington Headquarters					
Salaries and Benefits	51,025	52,460	52,460	52,989	+529
Travel	1,497	1,766	1,766	2,326	+560
Support Services	8,564	14,450	14,450	13,044	-1,406
Other Related Expenses	9,886	14,955	14,955	16,828	+1,873
Total, Washington Headquarters	70,972	83,631	83,631	85,187	+1,556
Office of Scientific and Technical Information					
Salaries and Benefits	5,601	6,110	6,110	6,302	+192
Travel	74	76	76	78	+2
Support Services	1,764	1,284	1,284	1,272	-12
Other Related Expenses	865	961	961	1,000	+39
Total, Office of Scientific and Technical Information	8,304	8,431	8,431	8,652	+221
Field Offices					
Chicago Office					
Salaries and Benefits	22,680	22,100	22,100	22,846	+746
Travel	286	248	248	305	+57
Support Services	1,813	810	810	800	-10
Other Related Expenses	1,140	2,344	2,344	1,958	-386
Total, Chicago Office	25,919	25,502	25,502	25,909	+407
Oak Ridge Office					
Salaries and Benefits	24,746	23,819	23,819	25,014	+1,195
Travel	343	324	324	300	-24
Support Services	3,690	2,136	2,136	1,469	-667
Other Related Expenses	3,080	3,785	3,785	3,410	-375
Total, Oak Ridge Office	31,859	30,064	30,064	30,193	+129

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs. FY 2014 Enacted
Ames Site Office					
Salaries and Benefits	381	437	437	441	+4
Travel	20	20	20	24	+4
Support Services	0	2	2	2	0
Total, Ames Site Office	401	459	459	467	+8
Argonne Site Office					
Salaries and Benefits	3,383	3,496	3,496	3,684	+188
Travel	63	66	66	107	+41
Support Services	144	52	52	158	+106
Other Related Expenses	33	6	6	39	+33
Total, Argonne Site Office	3,623	3,620	3,620	3,988	+368
Berkeley Site Office					
Salaries and Benefits	3,582	3,597	3,597	3,468	-129
Travel	54	59	59	75	+16
Support Services	362	223	223	384	+161
Other Related Expenses	59	75	75	131	+56
Total, Berkeley Site Office	4,057	3,954	3,954	4,058	+104
Brookhaven Site Office					
Salaries and Benefits	3,997	4,290	4,290	4,500	+210
Travel	83	129	129	115	-14
Support Services	347	246	246	610	+364
Other Related Expenses	512	218	218	165	-53
Total, Brookhaven Site Office	4,939	4,883	4,883	5,390	+507
Fermi Site Office					
Salaries and Benefits	2,258	2,258	2,258	2,280	+22
Travel	58	61	61	75	+14
Support Services	74	28	28	73	+45
Other Related Expenses	41	13	13	44	+31
Total, Fermi Site Office	2,431	2,360	2,360	2,472	+112

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs. FY 2014 Enacted
New Brunswick Laboratory					
Salaries and Benefits	4,244	4,104	4,104	4,430	+326
Travel	74	80	80	80	0
Support Services	742	296	296	296	0
Other Related Expenses	800	983	983	983	0
Total, New Brunswick Laboratory	5,860	5,463	5,463	5,789	+326
Oak Ridge National Laboratory Site Office					
Salaries and Benefits	5,060	5,619	5,619	5,875	+256
Travel	57	95	95	110	+15
Support Services	651	240	240	281	+41
Other Related Expenses	52	15	15	30	+15
Total, Oak Ridge National Laboratory Site Office	5,820	5,969	5,969	6,296	+327
Pacific Northwest Site Office					
Salaries and Benefits	4,640	4,725	4,725	4,636	-89
Travel	107	131	131	125	-6
Support Services	61	41	41	38	-3
Other Related Expenses	63	14	14	104	+90
Total, Pacific Northwest Site Office	4,871	4,911	4,911	4,903	-8
Princeton Site Office					
Salaries and Benefits	1,458	1,450	1,450	1,505	+55
Travel	23	39	39	30	-9
Support Services	81	16	16	10	-6
Other Related Expenses	29	43	43	88	+45
Total, Princeton Site Office	1,591	1,548	1,548	1,633	+85
SLAC Site Office					
Salaries and Benefits	2,244	2,204	2,204	2,226	+22
Travel	23	50	50	59	+9
Support Services	133	40	40	138	+98
Other Related Expenses	57	33	33	57	+24
Total, SLAC Site Office	2,457	2,327	2,327	2,480	+153

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs. FY 2014 Enacted
Thomas Jefferson Site Office					
Salaries and Benefits	1,682	1,818	1,818	1,836	+18
Travel	46	48	48	50	+2
Support Services	5	6	6	49	+43
Other Related Expenses	25	6	6	41	+35
Total, Thomas Jefferson Site Office	1,758	1,878	1,878	1,976	+98
Total Field Offices					
Salaries and Benefits	80,355	79,917	79,917	82,741	+2,824
Travel	1,237	1,350	1,350	1,455	+105
Support Services	8,103	4,136	4,136	4,308	+172
Other Related Expenses	5,891	7,535	7,535	7,050	-485
Total, Field Offices	95,586	92,938	92,938	95,554	+2,616
Total Program Direction					
Salaries and Benefits	136,981	138,487	138,487	142,032	+3,545
Travel	2,808	3,192	3,192	3,859	+667
Support Services	18,431	19,870	19,870	18,624	-1,246
Other Related Expenses	16,642	23,451	23,451	24,878	+1,427
Total, Program Direction	174,862	185,000	185,000	189,393	+4,393
Federal FTEs	956	956	956	975	+19
Support Services and Other Related Expenses					
Technical Support					
Development of specifications	1,492	482	482	464	-18
System review and reliability analyses	269	682	682	700	+18
Surveys or reviews of technical operations	730	384	384	365	-19
Total, Technical Support	2,491	1,548	1,548	1,529	-19
Management Support					
Automated data processing	7,028	7,110	7,110	7,575	+465
Training and education	781	692	692	724	+32
Reports and analyses, management, and general administrative services	8,131	10,520	10,520	8,796	-1,724
Total, Management Support	15,940	18,322	18,322	17,095	-1,227
Total, Support Services	18,431	19,870	19,870	18,624	-1,246

	FY 2013 Current	FY 2014 Enacted	FY 2014 Current	FY 2015 Request	FY 2015 vs. FY 2014 Enacted
Other Related Expenses					
Rent to GSA	23	975	975	900	-75
Rent to others	1,042	1,679	1,679	1,456	-223
Communications, utilities, and miscellaneous	3,008	3,381	3,381	1,924	-1,457
Printing and reproduction	3	30	30	21	-9
Other services	1,356	1,917	1,917	2,510	+593
Operation and maintenance of equipment	214	103	103	103	0
Operation and maintenance of facilities	1,359	1,029	1,029	1,044	+15
Supplies and materials	801	586	586	776	+190
Equipment	2,621	3,751	3,751	4,036	+285
Working Capital Fund	6,215	10,000	10,000	12,108	+2,108
Total, Other Related Expenses	16,642	23,451	23,451	24,878	+1,427

Program Direction

Activities and Explanation of Changes

FY 2014 Enacted	FY 2015 Request	FY 2015 vs. FY 2014 Enacted
Salaries and Benefits		
<p>The FY 2014 appropriation supports 956 FTEs and provides for scientific oversight, project management, essential operations support associated with science program portfolio management, and administration of PCAST. The FY 2014 appropriation allows for SC to begin implementation of its succession planning strategy, including VERA/VSIP at HQ and strict hiring controls across the SC organization.</p> <p>Support for expenses such as increases in GS schedule pay rates, health coverage costs and retirement allocations in the Federal Employees Retirement System are included. Expenses associated with VERA/VSIP are also included.</p>	<p>The FY 2015 Request for 975 FTEs supports scientific oversight, project management, essential operations support associated with science program portfolio management, and administration of PCAST. The FY 2015 Request allows for backfill hiring for essential SC positions and allows for SC to continue implementation of its succession planning strategy.</p> <p>Support for expenses such as increases in GS schedule pay rates, health coverage costs and retirement allocations in the Federal Employees Retirement System are included.</p> <p>The FY 2015 Request includes funding for costs associated with the creation of five positions in the newly expanded Office of the Under Secretary for Science and Energy and one additional FTE to support new PCAST requirements.</p>	<p>The FY 2015 Request is an increase of 19 FTEs from FY 2014 and allows for backfill hiring for essential SC positions and continued implementation of its succession planning strategy.</p> <p>The FY 2015 Request also supports costs associated with the creation of five positions in the newly expanded Office of the Under Secretary for Science and Energy and one additional FTE to support new PCAST requirements.</p>
Travel		
<p>Staff travel is required to ensure scientific management, compliance, safety oversight, and external review of research funding across all SC programs, since SC senior program managers are not co-located with grantees or at national laboratories. Travel is also required for facility visits where the use of electronic telecommunications is not practical for mandated on-site inspections and operations reviews.</p> <p>Travel is also included to support meetings of the PCAST, scheduled for six times per year with</p>	<p>Staff travel is required to ensure scientific management, compliance, safety oversight, and external review of research funding across all SC programs, since SC senior program managers are not co-located with grantees or at national laboratories. Travel is also required for facility visits where the use of electronic telecommunications is not practical for mandated on-site inspections and operations reviews.</p> <p>Travel is also included to support meetings of the PCAST, scheduled for six times per year with</p>	<p>Travel increases from FY 2014 due to additional responsibilities associated with the newly expanded Office of the Under Secretary for Science and Energy.</p>

FY 2014 Enacted	FY 2015 Request	FY 2015 vs. FY 2014 Enacted
<p>additional meetings called at the discretion of the President. PCAST is an advisory group to the President and Executive Office of the President.</p> <p>SC Federal Advisory Committee travel is supported, which includes 173 representatives from universities, national laboratories, and industry, representing a diverse balance of disciplines, professional experience, and geography. Each of the six advisory committees provides valuable, independent advice to the Department regarding the complex scientific and technical issues that arise in the planning, management, and implementation of SC programs.</p>	<p>additional meetings called at the discretion of the President. PCAST is an advisory group to the President and Executive Office of the President.</p> <p>SC Federal Advisory Committee travel is supported, which includes 173 representatives from universities, national laboratories, and industry, representing a diverse balance of disciplines, professional experience, and geography. Each of the six advisory committees provides valuable, independent advice to the Department regarding the complex scientific and technical issues that arise in the planning, management, and implementation of SC programs.</p> <p>Travel is included to support five new FTEs in the newly expanded Office of the Under Secretary for Science and Energy.</p>	

FY 2014 Enacted	FY 2015 Request	FY 2015 vs. FY 2014 Enacted
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Support Services

Technical expertise and business services sustain the following: maintenance, operation, and cyber security management of SC mission-specific information technology systems and infrastructure as well as SC-corporate Enterprise Architecture and Capital Planning Investment Control management; administration of the Small Business Innovation Research/Small Business Technology Transfer program; grants and contract processing and close-out activities; accessibility to DOE's corporate multi-billion dollar R&D program through information systems managed and administered by OSTI; operations and maintenance of the Searchable Field Work Proposal system to provide HQ and Field organizations a tool to search and monitor field work proposals; selected routine administrative services including travel processing and Federal staff training and education to maintain appropriate certification and update skills; select reports or analyses directed toward improving the effectiveness, efficiency, and economy of services and processes; and safeguards and security oversight functions.

The FY 2014 Appropriations funds essential information technology infrastructure and safety management support, as well as training for the SC workforce.

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The FY 2015 Request funds essential information technology infrastructure and safety management support, as well as training for the SC workforce. The FY 2015 request incorporates the IT Modernization Plan, which is expected to be fully implemented by the end of FY 2014. This will result in a common operating environment across SC Headquarters and Integrated Support Center (Chicago and Oak Ridge). Funding for a single consolidated IT support service contract is included.

The decrease, primarily in IT support services, results from the implementation of the SC Information Technology Modernization Plan.

FY 2014 Enacted	FY 2015 Request	FY 2015 vs. FY 2014 Enacted
Other Related Expenses		
<p>SC contribution to the Department’s Working Capital Fund (WCF) provides for common administrative services at HQ including: rent and building operations, telecommunications, network connectivity, supplies, printing/graphics, mail, purchase card surveillance, overseas office support, health centers, and interagency transfer fees associated with E-gov initiatives. In addition to increases to support salary and benefit costs for staff administering the WCF, also included are fixed requirements in the Field Offices not funded through the WCF associated with rent, utilities, and telecommunications, building and grounds maintenance, computer/video maintenance and support, equipment leases, purchases, maintenance, and site-wide health care units. Also funded are SC-wide assessments for payroll processing and the Corporate Human Resource Information System.</p> <p>The FY 2014 appropriation supports mandatory increases in fixed costs, rent, and other WCF requirements. WCF costs represent 43% of the Other Related Expenses funding.</p>	<p>SC contribution to the Department’s Working Capital Fund (WCF) provides for common administrative services at HQ including: rent and building operations, telecommunications, network connectivity, supplies, printing/graphics, mail, purchase card surveillance, overseas office support, health centers, and interagency transfer fees associated with E-gov initiatives. In addition to increases to support salary and benefit costs for staff administering the WCF, also included are fixed requirements in the Field Offices not funded through the WCF associated with rent, utilities, and telecommunications, building and grounds maintenance, computer/video maintenance and support, equipment leases, purchases, maintenance, and site-wide health care units. Also funded are SC-wide assessments for payroll processing and the Corporate Human Resource Information System.</p> <p>The FY 2015 Request supports mandatory increases in fixed costs, rent, and other WCF requirements. WCF costs represent 49% of the Other Related Expenses Request.</p>	<p>The overall increase is primarily due to costs associated with the Working Capital Fund. The remaining increase is not the result of any particular item, but reflects modest increases in areas corresponding to the increase in FTEs supported by the FY 2015 Request.</p>