

Science Program Direction

Funding Profile by Subprogram

(dollars in thousands/whole FTEs)

	FY 2006 Current Appropriation	FY 2007 Request	FY 2008 Request
Science Program Direction			
Program Direction	68,155	75,045	80,741
Field Operations	90,963	95,832	104,193
Total, Science Program Direction	159,118 ^a	170,877	184,934
Staffing			
Program Direction (FTEs)	313	366	386
Field Operations (FTEs)	636	648	672
Total, FTEs	949	1,014	1,058

Public Law Authorizations:

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

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

Public Law 109-58, "Energy Policy Act of 2005"

Mission

The mission of Science Program Direction (SCPD) is to provide a Federal workforce, skilled and highly motivated, to manage and support basic energy-related and science-related research disciplines, diversely supported through research programs, projects, and facilities under the Office of Science's (SC's) leadership.

SCPD consists of two subprograms: Program Direction and Field Operations. The Program Direction subprogram is the single funding source for the Federal staff in SC Headquarters (HQ) responsible for SC policy and direction, as well as program development and management of the broad spectrum of SC scientific disciplines. This subprogram includes planning and analysis activities, providing the capabilities needed to evaluate and communicate the scientific excellence, relevance, and performance of SC basic research programs. Additionally, Program Direction includes funding for the Office of Scientific and Technical Information (OSTI), which collects, preserves, and disseminates Research and Development (R&D) information of the Department of Energy (DOE) for use by DOE, the scientific community, academia, U.S. industry, and the public to expand the knowledge base of science and technology. The Field Operations subprogram is the centralized funding source for the Federal workforce within the Field complex responsible for program implementation (Site Offices located at SC laboratories) and for providing best-in-class business, administrative, and specialized technical support across the entire SC enterprise and to other DOE programs through the Integrated Support Center (ISC), operated in partnership by the Chicago (CH) and Oak Ridge (OR) offices.

^a Total is reduced by \$1,607,000 for a rescission in accordance with P.L. 109-148, the Emergency Supplemental Act to Address Hurricanes in the Gulf of Mexico and Pandemic Influenza, 2006.

Significant Program Shifts

- The FY 2008 SCPD budget request of \$184,934,000 is 4.2% of the total SC FY 2008 budget request of \$4,397,876,000 and supports a total of 1,058 full-time equivalents (FTEs), an increase of 44 FTEs over the FY 2007 Budget. The 44 FTE increase is detailed below.
 - 29 new FTEs will allow the hiring of Program Managers and support staff in SC HQ Program Offices to fully and competently manage and support a significantly increased SC research investment that is a major component of the President's American Competitiveness Initiative. In addition, this increase will address specific staffing concerns identified by current Committee of Visitor (COV) reports.
 - 4 new FTEs will enhance support for SC activities; 2 support staff for the National Synchrotron Light Source (NSLS)-II Federal Project Office at the Brookhaven Site Office; and 2 support staff for the ITER Federal Project Office at the OR Office.
 - 35 transferred FTEs reflect staffing for the New Brunswick Laboratory (NBL), which is administered by the Chicago Office and located on the campus of the Argonne National Laboratory. These FTEs were previously supported by the former Office of Security and Safety Performance Assurance (SP).
 - 24 FTEs are reduced across the SC complex consistent with the OneSC FTE outyear approach initiated in FY 2006. The reduction will be accomplished through attrition and workforce management incentives.
- The FY 2008 SCPD budget request is an increase of \$14,057,000 over FY 2007. Of this increase, \$5,681,000 will directly support salaries, benefits, travel, training, and associated support expenses related to 33 additional program and project managers and associated support staff at HQ and the Field (see previous bullet). Beginning in FY 2008, \$6,644,000 is included for NBL previously funded by the former SP. The remaining portion of the increase, \$1,732,000, encompasses escalation for payroll, including a 2.2% pay raise in January 2008, an increased cap for Senior Executive Service (SES) basic pay, and other pay related costs such as the government's contributions for employee health insurance and retirement. Also included are increases for non-pay activities such as fixed operating expenses (rent, utilities, and communications contracts), supplies, equipment, and other services. Non-FTE support activities included within the SCPD request include e-Government (e-Gov) initiative fees, OMB Circular A-123 requirements, Standard Accounting and Reporting System (STARS) operation and maintenance assessments, and the OR Financial Service Center Payment Processing Most Efficient Organization (MEO), which provides payment services for the entire nation-wide DOE complex.
- A Human Capital Advisory Group has been established within SC to champion human capital initiatives designed to ultimately align the future SC workforce to deliver on its mission needs. SC is working to attract and retain a capable and proficient workforce to ensure existing continuity and the future of its basic research programs. This is a challenge faced by many agencies, and is particularly acute for SC given the high degree of specialized knowledge and technical qualifications required of its workforce. Getting the right people with the right skills and knowledge in the right jobs is the goal of SC's human capital management efforts. Within SC, procedures and processes are being developed that will provide a consistent approach to workforce planning across the SC enterprise. These procedures and processes will: 1) facilitate understanding of the SC skills mix; 2) identify positions for succession planning; 3) develop a pipeline for critical occupations at all levels of the organization using innovative and strategically deployed recruitment, retention, and developmental

tools; 4) reinforce a results-oriented performance culture, placing significant emphasis on and linking of performance, pay and expectations; and 5) use customer service standards and Office of Personnel Management (OPM) hiring timelines as measures to continually improve recruitment timelines.

- The Department completed an A-76 competitive sourcing study of its information technology (IT) services functions in July 2005. The IT services will be performed by federal employees under the provisions of the MEO in one of the first public/private partnerships between federal and contractor workforce. IT infrastructure services will be consolidated across the Department, as well as support for other IT life-cycle services including cyber security. The FY 2008 request for SCPD reflects a transfer of \$966,000 to the Departmental Administration account. These funds represent the SC MEO FTE contribution.

Program Direction

Funding Profile by Category

(dollars in thousands/whole FTEs)

	FY 2006	FY 2007	FY 2008
Headquarters			
Salaries and Benefits	46,494	50,942	57,931
Travel	1,911	2,814	2,500
Support Services	10,567	11,141	10,262
Other Related Expenses	9,183	10,148	10,048
Total, Headquarters	68,155	75,045	80,741
Full Time Equivalent	313	366	386

Mission

The Program Direction subprogram funds all of the SC Federal staff in HQ responsible for SC-wide issues and operational policy, scientific program development, and management functions supporting the broad spectrum of scientific disciplines and program offices. These Program Offices include Advanced Scientific Computing Research, Basic Energy Sciences, Biological and Environmental Research, Fusion Energy Sciences, High Energy Physics, Nuclear Physics, and Workforce Development for Teachers and Scientists. Additionally, this subprogram supports management of workforce program direction and infrastructure through policy, technical, and administrative support staff responsible for: budget and planning; general administration; IT; infrastructure management; construction management; safeguards and security (S&S); and environment, safety and health (ES&H) within the framework set by the Department.

Funding for OSTI is also provided within this subprogram activity. OSTI is responsible for the development and operation of DOE's leading e-Government systems such as the Information Bridge, Energy Citations Database, and the E-Print Network. OSTI also developed and hosts the interagency e-Government system Science.gov, which simultaneously searches across 50 million pages in 30 federal databases involving 12 different federal agencies. Although the majority of DOE's R&D output is open to the scientific community, a sizable share is classified or sensitive. Here, OSTI's responsibilities are to ensure protection and limited, appropriate access in order to promote national security.

Detailed Justification

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Salaries and Benefits	46,494	50,942	57,931

The FY 2008 request supports 386 FTEs at HQ and addresses staffing concerns identified by recent COV reports. This is an increase of 20 FTEs over FY 2007 and comprises two parts. First, an increase of 29 additional FTEs, including Program Managers and support staff, is for the SC HQ Program Offices. The 29 additional Program Managers and support staff are required to ensure sound scientific program development and competent management and support of the SC research investment. Second, an

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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offsetting reduction, accomplished by means of attrition and other workforce incentives, of 9 FTEs across the HQ programs, is consistent with the OneSC FTE outyear approach initiated in FY 2006.

The FY 2008 salary and benefit request assumes a 2.2% pay raise in January 2008; increased cap for SES basic pay; and other pay-related costs such as the government's contributions for employee health insurance and retirement. In addition, innovative and strategically deployed recruitment, relocation, and retention bonuses will be employed corporately to attract and retain technically skilled and highly qualified employees.

Travel	1,911	2,814	2,500
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Travel includes all costs of transportation of persons, subsistence of travelers, and incidental travel expenses in accordance with Federal travel regulations; and enables HQ staff to effectively manage a broad spectrum of scientific disciplines at geographically dispersed locations and attend numerous site, project, and program reviews; operational policy reviews and meetings; and training for skill maintenance and/or certification.

The request includes travel expenses for 120 to 150 members who make up the six individual SC advisory committees. Committee membership is primarily made up of representatives of universities, national laboratories, and industry and includes a diverse membership with a balance of disciplines, experiences, and geography. Each of the six advisory committees meets up to three times annually and provides valuable, independent advice to the Department regarding the complex scientific and technical issues that arise in the planning, management, and implementation of the SC programs.

Support Services	10,567	11,141	10,262
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Funding is provided for general administrative services and technical expertise provided as part of day-to-day operations, including mailroom operations, travel management, and administration of the Small Business Innovation Research program. Also provided is IT support to include the following: maintenance and operation of SC-HQ Information Management systems and infrastructure; SC-corporate Enterprise Architecture (EA), Capital Planning Investment Control (CPIC), and cyber security management; operation and maintenance of the electronic Portfolio Management Application; and accessibility of DOE's multi-billion dollar R&D program through e-Gov information systems.

Support is provided for the competition of several laboratory contracts to include short-term administrative and technical expertise in the areas of ES&H, S&S, contract and property management, pension planning, etc.

Funding also supports SC strategic planning and analysis activities including: societal and economic impact studies of basic research outcomes; development of methods to assess the SC portfolio, including benchmarking and planning studies; and development of performance metrics and modeling SC impacts on science education/employment trends.

Training and education of federal staff, including continuing education, career development training and other initiatives, such as, the Student Career Experience Program, and the Student Temporary Employment Program will continue to be supported.

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Other Related Expenses	9,183	10,148	10,048
<p>The request provides support through the Working Capital Fund (WCF) to HQ for office space, utilities, building/equipment maintenance, mail services, LAN connections, supplies, and other services and equipment. Also provided is communications, utilities, building/equipment maintenance, supplies, equipment, and other services at OSTI. SC's funding contribution for operation and maintenance of the STARS and OMB Circular A-123 requirements; IT project management training; and e-Gov initiative fees for E-Travel, Business Gateway, Integrated Acquisition Environment, Geospatial One-Stop, Recruitment One-Stop, Enterprise Human Resources (HR) Initiative, Lines of Business, and Grants.gov is also included.</p>			
Total, Program Direction	68,155	75,045	80,741

Explanation of Funding Changes

	FY 2008 vs. FY 2007 (\$000)
Salaries and Benefits	
386 FTEs are supported, an increase of 20 FTEs over FY 2007. This assumes a 2.2% pay raise for 2008 and an increased cap for SES basic pay.	+6,989
Travel	
Overall travel decreases to fund salaries, benefits, and other pay related costs.	-314
Support Services	
Overall support services activities decrease to fund salaries, benefits, and other pay related costs. A reduction to the Automated Data Processing (ADP) and an offsetting increase to the Reports and Analysis Management and General Administrative Services categories reflects realignment of IT activities associated with SC mission applications and services: EA, CPIC, and cyber security.	-879
Other Related Expenses	
Overall other related expenses decrease to fund salaries, benefits, and other pay related costs. A reduction to the Operation and Maintenance of Equipment and offsetting increase to the Equipment categories reflects a realignment of SC IT activities.	-100
Total Funding Change, Program Direction	+5,696

Support Services by Category

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Technical Support			
Feasibility of Design Considerations	130	—	—
Development of Specifications	290	304	300
System Definition	140	250	200
System Review and Reliability Analyses	201	627	500
Trade-off Analyses	35	—	—
Test and Evaluation	160	—	—
Total, Technical Support	956	1,181	1,000
Management Support			
Automated Data Processing	7,175	6,710	3,888
Training and Education	293	319	358
Reports and Analyses Management and General Administrative Services	2,143	2,931	5,016
Total, Management Support	9,611	9,960	9,262
Total, Support Services	10,567	11,141	10,262

Other Related Expenses by Category

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Other Related Expenses			
Communications, Utilities, Miscellaneous	368	375	383
Printing and Reproduction	2	2	2
Other Services	1,925	2,335	1,977
Operation & Maintenance of Equipment	972	912	244
Supplies and Materials	289	379	112
Equipment	185	127	1,190
Working Capital Fund	5,442	6,018	6,140
Total, Other Related Expenses	9,183	10,148	10,048

Field Operations

Funding Profile by Category

(dollars in thousands/whole FTEs)

	FY 2006	FY 2007	FY 2008
Chicago Office (CH)			
Salaries and Benefits	20,961	22,008	22,750
Travel	389	320	382
Support Services	1,749	1,867	1,905
Other Related Expenses	1,608	1,967	1,023
Total, Chicago Office	24,707	26,162	26,060
Full Time Equivalents	189	192	187
Oak Ridge Office (OR)			
Salaries and Benefits	29,435	30,061	30,675
Travel	502	680	492
Support Services	5,669	6,080	6,194
Other Related Expenses	6,928	7,431	6,789
Total, Oak Ridge Office	42,534	44,252	44,150
Full Time Equivalents	296	290	282
Ames Site Office (AMSO)			
Salaries and Benefits	422	446	465
Travel	14	15	25
Support Services	29	21	30
Other Related Expenses	27	38	35
Total, Ames Site Office	492	520	555
Full Time Equivalents	3	3	3
Argonne Site Office (ASO)			
Salaries and Benefits	3,091	3,221	3,522
Travel	48	40	41
Support Services	175	230	262
Other Related Expenses	366	322	300
Total, Argonne Site Office	3,680	3,813	4,125
Full Time Equivalents	23	25	25

(dollars in thousands/whole FTEs)

	FY 2006	FY 2007	FY 2008
Berkeley Site Office (BSO)			
Salaries and Benefits	2,785	3,445	3,542
Travel	30	105	105
Support Services	649	345	412
Other Related Expenses	225	346	335
Total, Berkeley Site Office	3,689	4,241	4,394
Full Time Equivalents	21	25	25
Brookhaven Site Office (BHSO)			
Salaries and Benefits	2,976	3,276	3,771
Travel	72	50	62
Support Services	252	156	180
Other Related Expenses	238	161	221
Total, Brookhaven Site Office	3,538	3,643	4,234
Full Time Equivalents	21	25	27
Fermi Site Office (FSO)			
Salaries and Benefits	1,993	2,074	2,197
Travel	42	41	53
Support Services	149	125	146
Other Related Expenses	51	106	100
Total, Fermi Site Office	2,235	2,346	2,496
Full Time Equivalents	15	15	15
New Brunswick Laboratory (NBL)			
Salaries and Benefits	0	0	3,956
Travel	0	0	73
Support Services	0	0	274
Other Related Expenses	0	0	2,341
Total, New Brunswick Laboratory	0	0	6,644
Full Time Equivalents	0	0	35

(dollars in thousands/whole FTEs)

	FY 2006	FY 2007	FY 2008
Pacific Northwest Site Office (PNSO)			
Salaries and Benefits	4,247	4,497	4,559
Travel	121	95	63
Support Services	87	135	104
Other Related Expenses	933	826	627
Total, Pacific Northwest Site Office	5,388	5,553	5,353
Full Time Equivalents	35	36	36
Princeton Site Office (PSO)			
Salaries and Benefits	1,430	1,616	1,640
Travel	34	10	39
Support Services	1	—	10
Other Related Expenses	153	42	70
Total, Princeton Site Office	1,618	1,668	1,759
Full Time Equivalents	12	12	12
Stanford Site Office (SSO)			
Salaries and Benefits	1,243	1,703	2,038
Travel	56	53	55
Support Services	153	264	346
Other Related Expenses	173	114	112
Total, Stanford Site Office	1,625	2,134	2,551
Full Time Equivalents	10	13	13
Thomas Jefferson Site Office (TJSO)			
Salaries and Benefits	1,309	1,365	1,671
Travel	76	47	73
Support Services	9	55	91
Other Related Expenses	63	33	37
Total, Thomas Jefferson Site Office	1,457	1,500	1,872
Full Time Equivalents	11	12	12

(dollars in thousands/whole FTEs)

	FY 2006	FY 2007	FY 2008
Total Field Operations			
Salaries and Benefits	69,892	73,712	80,786
Travel	1,384	1,456	1,463
Support Services	8,922	9,278	9,954
Other Related Expenses	10,765	11,386	11,990
Total, Field Operations	90,963	95,832	104,193
Full Time Equivalents	636	648	672

Mission

The Field Operations subprogram is the funding source for the SC field Federal workforce. Responsibilities include the Integrated Support Center (ISC) comprised by the Chicago and Oak Ridge Offices' management and administrative functions and the site offices' oversight of Management and Operating contract performance supporting SC laboratories and facilities. These SC laboratories include Argonne, Brookhaven, Lawrence Berkeley, Oak Ridge, and Pacific Northwest national laboratories; Ames Laboratory, Fermi National Accelerator Laboratory, Princeton Plasma Physics Laboratory, Stanford Linear Accelerator Center, and Thomas Jefferson National Accelerator Facility. In addition, beginning in FY 2008, SC will support the New Brunswick Laboratory (NBL), a government-owned, government-operated center of excellence in the measurement science of nuclear materials. The NBL is administered through and is a part of the CH Office.

This subprogram supports the field Federal workforce responsible for SC and other DOE programmatic missions performed in support of science and technology, energy research, and environmental management. Centers of Excellence include Grants Management and Intellectual Property Law at CH and the Financial Service Center at OR. Workforce operations include financial stewardship, HR, grants and contracts, labor relations, security, legal counsel, public affairs, intellectual property and patent management, environmental compliance, safety and health management, infrastructure operations maintenance, and information systems development and support.

In addition, this subprogram provides funding for the fixed requirements associated with rent, utilities, and telecommunications. Other requirements such as IT maintenance, administrative support, mail services, document classification, personnel security clearances, emergency management, printing and reproduction, travel, certification training, vehicle acquisition and maintenance, equipment, classified/unclassified data handling, records management, health care services, and facility and ground maintenance are also included. Services provided through the Department's Working Capital Fund (WCF) include Payroll Processing, the Corporate Human Resource Information System (CHRIS), and training and certification of Project Managers. These infrastructure requirements are relatively fixed. This subprogram also supports the Inspector General operations located at each site by providing office space and materials. Other operational requirements funded include occasional contractor support to perform ecological surveys, cost validations, and environmental assessments; ensure compliance with Defense Nuclear Facilities Safety Board safety initiatives; abide by site preservation laws and regulations; and perform procurement contract closeout activities.

Detailed Justification

(dollars in thousands)

FY 2006	FY 2007	FY 2008
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Salaries and Benefits

69,892 73,712 80,786

The FY 2008 request supports 672 FTEs in the SC field complex. This is an increase of 24 FTEs over FY 2007 and comprises three parts:

- an increase of 4 additional FTEs to support full staffing of Federal Project Offices at the Brookhaven Site Office and OR Office to ensure sound project implementation and management;
- an increase of 35 additional FTEs at NBL, previously funded by the former SP;
- an offsetting reduction, accomplished by means of attrition and other workforce incentives, of 15 FTEs consistent with the OneSC FTE outyear approach initiated in FY 2006.

The FY 2008 salary and benefit request assumes a 2.2% pay raise in January 2008; increased cap for SES basic pay; and other pay-related costs such as the government's contribution for employee health insurance and retirement.

Travel

1,384 1,456 1,463

Travel enables field staff to work routine operational needs, participate on task teams, and perform contractor oversight at geographically dispersed facilities to ensure implementation of DOE orders and regulatory requirements; e.g., process reviews, internal audits, compliance reviews, oversight of investigations, and administrative proceedings. Funding is also provided for attendance at conferences and training for skill maintenance, certification, etc.

Support Services

8,922 9,278 9,954

The field uses a variety of administrative and technical assistance services that are critical to their success in meeting local customer needs. The services provided support routine computer maintenance, specific IT improvements, operating systems upgrades, cyber security, network monitoring, firewalls, and disaster recovery tools. Other areas include staffing 24-hour emergency and communications centers, processing/distributing mail, travel management centers, contract close-out activities, copy centers, directives coordination, filing and retrieving records, etc. Training and education of Federal staff are also included.

Other Related Expenses

10,765 11,386 11,990

Day-to-day requirements associated with operating a viable office are funded, including fixed costs associated with occupying office space, utilities, telecommunications, WCF (payroll processing, CHRIS, and Project Manager training), and other costs of doing business, e.g., postage, printing and reproduction, copier leases, site-wide health care units, records storage assessments, office equipment/furniture, supplies, and building maintenance.

Total, Field Operations

90,963 95,832 104,193

Explanation of Funding Changes

FY 2008 vs.
FY 2007
(\$000)

Salaries and Benefits

672 FTEs are supported, an increase of 24 FTEs from FY 2007; including the NBL workforce (35 FTEs, +\$3,956,000) previously funded by the former SP. The increase assumes a 2.2% pay raise for 2008, and an increased pay cap for SES basic pay, and other pay related costs.

+7,074

Travel

The funding increase includes travel for NBL (+\$73,000) previously funded by the former SP. Offsetting reductions fund salaries, benefits, and other pay related costs.

+7

Support Services

The funding increase is the result of re-negotiations of ADP support services contracts and wage determinations by the Department of Labor; ADP and training in support of the NBL previously funded by the former SP (+\$274,000); and incorporating non-pay inflation of 2.4%. An offsetting reduction in training requirements is driven by reduced FTEs at CH and OR and anticipated efficiencies realized through the new consolidated Departmental training services organization.

+676

Other Related Expenses

The funding increase includes \$2,341,000 for NBL previously funded by the former SP. Offsetting reductions fund salaries, benefits, and other pay related costs.

+604

Total Funding Change, Field Operations

+8,361

Support Services by Category

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Management Support			
Directives Management Studies	318	328	338
Automated Data Processing	4,407	3,785	4,253
Training and Education	893	876	809
Reports and Analyses Management and General Administrative Services	3,304	4,289	4,554
Total, Support Services	8,922	9,278	9,954

Other Related Expenses by Category

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Other Related Expenses			
Rent to GSA	791	947	946
Rent to Others	660	1,515	796
Communications, Utilities, Miscellaneous	1,382	2,580	2,684
Printing and Reproduction	17	106	25
Other Services	3,925	1,952	3,492
Operation and Maintenance of Equipment	2,267	2,592	1,630
Supplies and Materials	792	523	738
Equipment	487	601	1,079
Working Capital Fund	444	570	600
Total, Other Related Expenses	10,765	11,386	11,990

Capital Operating Expenses and Construction Summary

Capital Operating Expenses

(dollars in thousands)

	FY 2006	FY 2007	FY 2008
Capital Equipment	125	127	—