

DEPARTMENT OF ENERGY
FY 1993 CONGRESSIONAL BUDGET
ENERGY SUPPLY RESEARCH AND DEVELOPMENT

OVERVIEW

TECHNICAL INFORMATION MANAGEMENT PROGRAM

The Department of Energy (DOE) is responsible for ensuring that the scientific and technical information (STI) resulting from the agency's multi-billion dollar research and development (R&D) investment is effectively managed, controlled, and disseminated; that management of STI is considered an integral part of the R&D effort from the initial planning stage through project completion; and that STI is effectively utilized to support informed programmatic decisions. The Department must also ensure that the most effective and efficient mechanisms and systems are used to make available the STI needed by those responsible for developing and implementing the National Energy Strategy.

The Office of Scientific and Technical Information (OSTI), which reports to the Director of the Office of Administration and Human Resource Management through the Director for Information Resources Management, is responsible for providing coordinated direction for the Department's Technical Information Management Program (TIMP) and for maintaining a centralized base of support to assist Departmental elements in planning, developing, and implementing STI activities.

The TIMP provides STI management support to all Departmental elements. It is involved in meeting the nation's energy goals by assuring that STI and related information resulting from DOE's programmatic efforts are effectively managed and are easily accessible in forms that facilitate decision-making throughout the R&D process and for non-R&D purposes such as policy and rulemaking. This approach assures that STI support is effectively provided throughout the Department in addressing national energy issues in the areas of energy efficiency, energy supplies, environmental protection and restoration, science and engineering research and education, and technology transfer.

The goals of the TIMP are:

- o To provide a centralized office in the Department for the overall coordination of STI policy and standards relative to fundamental science and engineering research needs.
- o To provide a comprehensive base of STI, and tools to effectively utilize that information, to the Department in the conduct of its programs.

- o To achieve a balance between broad dissemination of DOE's R&D results while providing effective management controls for the protection of national security and U. S. competitiveness interests.
- o To maximize R&D productivity in the attainment of the nation's energy goals.

The TIMP is essential to the Department because it provides a centralized management focus for the policy, planning, development, and utilization of STI in a highly diversified environment where STI activities are continually carried out by various DOE elements and their contractors. Other benefits of a centralized base of support to the Department include:

- o Coordinated policy and standards for STI management within the Department.
- o A comprehensive repository for DOE-sponsored research results generated over the last forty years.
- o Economies of using centralized expertise and capabilities in support of a wide range of STI activities, including acquisition, management, and dissemination through multi-media outlets.
- o Minimizing duplication of effort among the various sites engaged in STI activities.
- o A source of non-DOE generated energy-related information.
- o The opportunity to participate with other countries and international organizations to ensure that the interests and needs of the Department are considered in energy-related STI issues.

Specific objectives for FY 1992 through FY 1996 include:

- o Investigate, and implement as appropriate, the application of new and emerging technologies to the Department's information management program and related activities.
- o Pursue the exploitation of data contained in DOE bibliographic data files to take advantage in non-traditional ways of the vast amounts of intelligence they contain.
- o Implement systems and procedures for the segmentation of STI to effectively meet Departmental objectives relating to national security and U. S. competitiveness.
- o Actively promote the development and utilization of common policies and standards to facilitate the compatibility, transferability, and usability of STI throughout the Department and among other government agencies.

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 (dollars in thousands)

LEAD TABLE

Technical Information Management Program

<u>Activity</u>	<u>FY 1991 Enacted</u>	<u>FY 1992 Enacted</u>	<u>FY 1993 Base</u>	<u>FY 1993 Request</u>	<u>Program Change Request vs Base</u>	
					<u>Dollar</u>	<u>Percent</u>
Technical Information Management Program						
Operating Expenses	\$14,018	\$14,100	\$14,100	\$14,300	\$ 0	0
Capital Equipment	895	900	900	700	0	0
Construction	0	0	0	0	0	0
Budget Authority	<u>\$14,913</u>	<u>\$15,000</u>	<u>\$15,000</u>	<u>\$15,000</u>	<u>0</u>	<u>0</u>
Staffing (FTEs)	161	170	170	170		

Authorization: Section 31, P.L. 83-703

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SUMMARY OF CHANGES

Technical Information Management Program

FY 1992 Enacted Appropriation	\$15,000
Adjustments - Salary Costs	<u>0</u>
FY 1993 Base	\$15,000
<u>Operating Expenses</u>	
- Escalation and salary increases (\$700) offset by program reductions (\$-700)	<u>0</u>
FY 1993 Budget Request	\$15,000

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KEY ACTIVITY SUMMARY

TECHNICAL INFORMATION MANAGEMENT PROGRAM

I. Preface: Technical Information Management Program

The Scientific and Technical Information Program (STIP) represents a Department-wide approach to managing STI and is carried out at many levels within the Department and by its contractors. Within the DOE Infrastructure, the Office of Scientific and Technical Information (OSTI), through implementation of the Technical Information Management Program (TIMP), is responsible for providing direction and leadership for the Department's STIP, and for furnishing a centralized base of support to assist Departmental elements in producing, managing, and disseminating their STI, when such support is determined to be in the best economic and programmatic interests of the Department. To accomplish this role, OSTI performs a number of specific activities in support of four major TIMP objectives:

- o Providing direction for the development, communication, and coordination of policy, procedures, and standards for managing STI in the Department.
- o Acquiring, managing, and providing access to civilian energy and national defense STI.
- o Providing consultation and assistance to Departmental Elements in planning, developing, and implementing STIP activities.
- o Representing the Department and participating in interagency, international, and domestic STI activities.

II. A. Summary Table

<u>Program Activity</u>	<u>FY 1991</u> <u>Enacted</u>	<u>FY 1992</u> <u>Enacted</u>	<u>FY 1993</u> <u>Requested</u>	<u>% Change</u>
Operating Expenses	\$ 14,018	\$ 14,100	\$ 14,300	+1
Capital Equipment	895	900	700	-22
Construction	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Budget Authority	\$ 14,913	\$ 15,000	\$ 15,000	0

II. B. Major Laboratory and Facility Funding

Oak Ridge National Laboratory	\$ 30	\$ 15	\$ 7	-53
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III. Activity Descriptions

<u>Program Activity</u>	<u>FY 1991</u>	<u>FY 1992</u>	<u>FY 1993</u>
<u>Operating Expenses</u>			
Program Direction	Provides for facility services and for FTEs required to implement and operate the TIMP, including: collecting, organizing, analyzing, and disseminating R&D results in accordance with DOE policy; managing DOE's Master file of worldwide energy information; designing, developing, and operating systems to control dissemination of classified and sensitive information; maintaining a database on energy-related research in progress; providing guidance, assistance, and support to DOE program managers in managing, controlling, and disseminating their scientific and technical information (STI); recommending and participating in the development of policy, standards, and procedures for DOE's STI program; negotiating and implementing bilateral and multilateral agreements for domestic and international exchange of energy information; monitoring receipt of information deliverables from DOE-funded R&D contracts; and providing tools to assist in controlling the flow of information abroad. (\$8,300)	Continue to provide facility services and FTEs required to implement and operate TIMP. (\$8,700)	Maintain same level of facility services and FTEs as described for FY 1991. (\$9,200)

III. Operating Expenses (Cont'd)
Program Activity

	<u>FY 1991</u>	<u>FY 1992</u>	<u>FY 1993</u>
Acquisition and Appraisal	Provides for contract services to acquire and evaluate scientific and technical information which is made available to DOE scientists and engineers, and to meet requirements of certain International exchange agreements. (\$1,100)	Continue acquisition and evaluation services. Absorb escalation and reduce acquisitions of R&D results by \$100K. (\$1,000)	Continue acquisition and evaluation services as in FY 1992. Absorb escalation and reduce acquisitions of R&D results by \$100K. (\$900)
Systems and Technology	Provides for contract services required to develop, build, and maintain information systems and to manage and provide automated access to scientific and technical information. (\$2,650)	Continue services by absorbing escalation and reducing contractor support by \$100K. (\$2,550)	Continue services as in FY 1992. Absorb escalation and reduce contractor support by \$100K, further reducing accessibility of R&D results on a timely basis. (\$2,450)
Products and Services	Provides for contractor production support services and supplies required to produce and make available the results of DOE's energy research and development program in appropriate forms and media. (\$1,968)	Continue products and services by absorbing escalation and reducing 8(a) contractor support by \$100K. (\$1,850)	Continue services as in FY 1992. Absorb escalation and reduce 8(a) contractor support by \$100K, further reducing the timeliness of the transfer of R&D results. (\$1,750)
Subtotal Operating Expenses	<u>\$14,018</u>	<u>\$14,100</u>	<u>\$14,300</u>

III. Activity Descriptions
Program Activity

	<u>FY 1991</u>	<u>FY 1992</u>	<u>FY 1993</u>
<u>Capital Equipment</u>	Provides for ADP and duplicating equipment to support DOE's centralized technical information activities. (\$895)	Maintain essentially same level of equipment as FY 1991. (\$900)	Twenty-two percent decrease in capital equipment level. (\$700)
Subtotal Capital Equipment	\$ 895	\$ 900	\$ 700
<u>Construction</u>			
Subtotal Construction	\$ 0	\$ 0	\$ 0
Total	\$14,913	\$15,000	\$15,000
FTEs	161	170	170