PD-AAY-576

UNCLASSIFIED

Annual Budget Submission

FY 1986

BUREAU FOR SCIENCE AND TECHNOLOGY

OFFICE OF ENERGY

JUNE 1984

Agency for International Development
Washington, D.C. 20523

UNCLASSIFIED

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TABLE III - PROJECT OBLIGATIONS BY APPROPRIATION ACCOUNT
FY 1984 TO FY 1986 ($ THOUSANDS)

OFFICE: ST/EY

PROJECT#	PROJECT TITLE	FY 1984 CYB-REVISED	FY 1985 REVISED	FY-86 PROPOSED	Page
APPROPRIATION ACCOUNT - ES					
936-5724.01	CONVENTIONAL ENERGY ASSISTANCE	$1,100	$1,000	$2,300	6
TOTALS FOR ES		$1,100	$1,000	$2,300	
APPROPRIATION ACCOUNT - FN					
936-5701.01	LOW COST ENERGY TECHNOLOGY (VITA)	$400	$400	$400	7
936-5709.01	BIOENERGY SYSTEMS AND TECHNOLOGY	$900	$1,500	$1,500	8
936-5715.	DECENTRALIZED HYDROPOWER	$127	$500	$500	9
936-5716.01	ALTERNATIVE ENERGY TRAINING	$373	$0	$0	
936-5729.	RENEWABLE ENERGY APPLICATIONS	$0	$500	$500	10
936-5730.01	RENEWABLE ENERGY TRAINING	$0	$500	$500	11
936-5731.	ENERGY IN AGRICULTURAL DEVELOPMENT	$0	$0	$500	12
TOTALS FOR FN		$1,800	$3,400	$4,200	
APPROPRIATION ACCOUNT - SD					
931-1160.	ENERGY MANAGEMENT TRAINING	$400	$0	$0	
936-5702.	ENERGY TECHNICAL SERVICE SUPPORT	$300	$200	$200	13
936-5710.	PHOTOVOLTAIC TECHNOLOGY	$250	$0	$0	
936-5724.	CONVENTIONAL ENERGY ASSISTANCE	$1,400	$2,250	$1,900	14
936-5728.	ENERGY POLICY DEV. AND CONSERVATION	$1,650	$2,450	$2,500	15
936-9997.	CONVENTIONAL - ENERGY TRAINING	$2,025	$2,100	$2,200	16
TOTALS FOR SD		$6,025	$7,000	$6,900	

TABLE III - PROJECT OBLIGATIONS BY APPROPRIATION ACCOUNT
FY 1984 TO FY 1986 ($ THOUSANDS)

OFFICE: ST/EY

PROJECT#	PROJECT TITLE	FY 1984 OYB-REVISED	FY 1985 REVISED	FY-86 PROPOSED
* * OFFICE TOTAL:		$8,925	$11,400	$13,300

PROJECT NUMBER AND TITLE				ESTIMATED U.S. DOLLAR COST ($000)											
	OBLIG			OBLIG	FY 83	FY 1984		FY 1985			FY 86		PEACE		
G	DATE	-TOTAL COST-		THRU	PIPE-	OBLIG-	EXPEND-	OBLIG-	EXPEND-	FUNDED	AAPL	FUNDED	CORPS		ITEM
L	INIT FIN	AUTH	PLAN	FY 83	LINE	ATIONS	ITURES	ACTION	ITURES	THRU		THRU	VY84	VY85	NO
AGRICULTURE, RURAL DEV. AND NUTRITION															
9365701.01 LOW COST TECHNOLOGY FOR RURAL POOR						SUBCAT:		%PVO:							
							FNNE		100						
G 79	87	5325	4886	3125	415	400	380	400	390	01/86	400	01/87	0	0	8212
9365709.01 BIO ENERGY SYSTEMS AND TECHNOLOGY						SUBCAT:		%PVO:							
							FNNE								
G 79	87	4610	8712	4000	901	900	1260	1500	1450	09/86	1500	06/87	0	0	8207
9365715 DECENTRALIZED HYDROPOWER						SUBCAT:		%PVO:							
							FNNE		100						
G 80	86	3024	5500	3824	100	127	200	500	500	07/86	500	09/86	0	0	8211
9365716 ALTERNATIVE ENERGY TRAINING						SUBCAT:		%PVO:							
							FNNE								
G 79	84	3900	1248	1248	---	373	350	---	23		---		0	0	12284
9365728 ENERGY POLICY DEV AND CONSERVATION						SUBCAT:		%PVO:							
							FNNE								
G 82	89	400	400	400	400	---	200	---	200		---		0	0	12283
9365729 RENEWABLE ENERGY APPLICATIONS						SUBCAT:		%PVO:							
							FNNE								
G 85	89	500	6000	---	---	---	---	500	200	09/85	500	03/86	0	0	8213
9365730 RENEWABLE ENERGY TRAINING						SUBCAT:		%PVO:							
							FNNE								
G 85	89	---	7000	---	---	---	---	500	400	09/85	500	09/86	0	0	8209
9365731 ENERGY IN AGRICULTURE DEVELOPMENT						SUBCAT:		%PVO:							
							FNNE								
G 86	96	---	15000	---	---	---	---	---	---		500	09/86	0	0	12991
APPROPRIATION															
TOTAL		17759	48746	12597	1816	1800	2390	3400	3163		4200		0	0	
GRANT		17759	48746	12597	1816	1800	2390	3400	3163		4200				
LOAN		---	---	---	---	---	---	---	---		---				
SELECTED DEVELOPMENT ACTIVITIES															
9311160 ENERGY MANAGEMENT TRAINING						SUBCAT:		%PVO:							
							SDEG								
G 77	86	4150	5150	3091	346	400	400	---	300		---	12/85	0	0	8208
9365701 LOW COST ENERGY TECHNOLOGY						SUBCAT:		%PVO:							

PROJECT NUMBER AND TITLE	G L	OBLIG DATE INIT	OBLIG DATE FIN	-TOTAL COST- AUTH	-TOTAL COST- PLAN	OBLIG THRU FY 83	FY 83 PIPE-LINE	ESTIMATED U.S. DOLLAR COST ($200) FY 1984 OBLIG-ATIONS	FY 1984 EXPEND-ITURES	FY 1985 OBLIG-ACTION	FY 1985 EXPEND-ITURES	FY 1985 FUNDED THRU	FY 86 AAPL	FY 86 FUNDED THRU	PEACE CORPS VY84	PEACE CORPS VY85	ITEM NO
9365702 ENERGY TECHNICAL SERVICE SUPPORT	G	79	87	2114	1914	1914	---	---	---	---	---		---		0	0	7842
								SUBCAT: SDEG		%PVO:							
9365703 ENERGY POLICY AND PLANNING ASSISTANCE	G	78	C	---	---	1284	94	300	290	200	180		200		0	0	8216
								SUBCAT:		%PVO:							
9365709.01 BIC ENERGY SYSTEMS AND TECHNOLOGY	G	79	81	3823	3823	3820	1	---	1	---	---		---		0	0	7845
								SUBCAT: SDEG		%PVO:							
9365710 PHOTOVALTAIC TECHNOLOGY	G	79	87	610	608	608	1	---	1	---	---		---		0	0	12285
								SUBCAT: SDEG		%PVO:							
9365716 ALTERNATIVE ENERGY TRAINING	G	79	85	3671	3671	3421	---	250	250	---	---		---		0	0	12287
								SUBCAT: SDEG		%PVO:							
9365724 CONVENTIONAL ENERGY ASSISTANCE	G	79	84	2379	2379	2379	326	---	326	---	---		---		0	0	12288
								SUBCAT: SDEG		%PVO:							
9365728 ENERGY POLICY DEV AND CONSERVATION	G	80	87	7750	13750	7134	1821	1400	2526	2250	2250	12/86	1800	06/87	0	0	8206
								SUBCAT: SDEG		%PVO:							
9365997 CONVENTIONAL ENERGY TRAINING	G	82	89	8000	14100	2123	1158	1650	2075	2450	2600	12/86	2600	11/87	0	0	8204
								SUBCAT: SDEG		%PVO: 100							
APPROPRIATION	G	81	86	7000	16525	6371	1631	2025	1950	2100	3250	12/86	2200	06/87	0	0	8205
TOTAL				39497	61920	32145	5378	6025	7819	7000	8580		6800		0	0	
GRANT				39497	61920	32145	5378	6025	7819	7000	8580		6800				
LOAN				---	---	---	---	---	---	---	---		---				
ECONOMIC SUPPORT FUND																	
9365724 CONVENTIONAL ENERGY ASSISTANCE								SUBCAT: SDEG		%PVO:							
	G	82	86	500	4900	500	---	1100	1100	1200	1200	09/85	2300	09/86	0	0	8214

PROJECT NUMBER AND TITLE					ESTIMATED U.S. DOLLAR COST ($000)								
G L	OBLIG DATE INIT	FIN	TOTAL COST AUTH	TOTAL COST PLAN	OBLIG THRU FY 83	FY 83 PIPE-LINE	FY 1984 OBLIG-ATIONS	FY 1984 EXPEND-ITURES	FY 1985 OBLIG-ACTION	FY 1985 EXPEND-ITURES	FUNDED THRU	FY 86 AAPI	FY 86 FUNDED THRU	PEACE CORPS VY84	PEACE CORPS VY85	ITEM NO
APPROPRIATION																
TOTAL			500	4900	500	---	1100	1100	1200	1000		2300		0	0	
GRANT			500	4900	500	---	1100	1100	1200	1000		2300				
LOAN			---	---	---	---	---	---	---	---		---				
OFFICE TOTAL																
TOTAL			57756	115566	45242	7194	8925	11309	11400	12743		13322		0	0	
GRANT			57756	115566	45242	7194	8925	11309	11400	12743		13322				
LOAN			---	---	---	---	---	---	---	---		---				

PROGRAM: CENTRALLY FUNDED

ACTIVITY DATA SHEET

PROJECT MANAGER: C. Bliss

TITLE	FUNDS	PROPOSED OBLIGATION (In thousands of dollars)	
South Pacific Hydrocarbon Resources (Conventional Energy Assistance)	Economic Support Fund	FY 86	LIFE OF PROJECT 4,900
NUMBER 936-5724.21 GRANT ☒ LOAN ☐ / NEW ☐ CONTINUING ☒	PRIOR REFERENCE FY 1985, Annex V Centrally Funded, pg. 126	INITIAL OBLIGATION FY 82 / ESTIMATED FINAL OBLIGATION FY 86	ESTIMATED COMPLETION DATE OF PROJECT FY 86

Project Purpose: To provide United States participation, with the Governments of Australia and New Zealand, in a cooperative project with the Committee for the Coordination of Joint Prospecting for Mineral Resources in South Pacific Offshore Areas (CCOP/SOPAC) to undertake marine geo-scientific research and mineral resources (including hydrocarbons) studies in the South Pacific region.

Background and Progress to Date: The project originated in October 1980, when the Soviet Union offered to conduct a five-year oceanographic research program for the island countries in the South Pacific. In early 1981, the United States, Australia and New Zealand joined together to design a project to provide a tripartite alternative which led to the rejection of the Soviet offer.

On March 12, 1982 a tripartite agreement was concluded with CCOP/SOPAC, to conduct marine geoscietific research and mineral resources studies as Phase I. Participation includes the services of two highly instrumental and fully staffed marine geophysical and sea-bottom exploration research vessels, the collection and evaluation of the data gathered, the analysis of samples, workshops, and the dissemination of the final reports. All work is undertaken in collaboration with Australian and New Zealand scientific personnel and counterparts from the nations in the South Pacific region. Two survey voyages were completed in calendar 1982, one by the Hawaii Institute of Geophysics (HIG) and the other by the U.S. Geological Survey (USGS). The purpose of the HIG voyage was exploration and delineation of the submarine mineral resource potential of the region surveyed. For the USGS voyage, the purpose was exploration and delineation of the hydrocarbon potential. The cost for the HIG efforts were covered by the Department of Defense. The cost for the U.S.G.S. efforts were covered by AID to the extent of $1 million ($500,000 from this activity and $500,000 from Selected Development Problems funding). The results, which are considered incomplete but encouraging, identified gaps in the data and certain areas requiring further exploration. A second tripartite agreement was negotiated to authorize a second phase of marine surveys to fill the gaps. This will consist of three marine geophysical and geological cruises: (1) a 30-day cruise by the USGS R/V S.P. Lee to investigate the hydro-carbon potential of selected offshore areas of Tonga, Fiji, Vanuatu, Solomon Islands and Papua New Guinea (2) a 90-day cruise by HIG R/V Moana Wave to investigate regional tectonics, sedimentation, metallogenesis and mineralization in the Line Island, Phoenix Island, Manahiki Plateau and the Manus Basin ares, and (3) a 30-day cruise in the Cook Island and Tonga by the HMNZS Tui with the same objectives as all three governments will provide scientists for the cruises and Australia and New Zealand will fund research and training for Pacific islanders who participate.

Host Country and Other Donors: The Host Countries; the Cook Islands, Fiji, Kiribati, Papua New Guinea, Solomon Islands, Kingdom of Tonga, Tuvalu, Vanuatu, and Western Samoa have made nominal contributions of $40,000 to the Phase II costs. The USGS is providing the services of its scientific personnel estimated at $900,000.

Beneficiaries: The subject project assists South Pacific governments to develop and promote the mineral potential of the shelves, platforms and ocean floor in the South Pacific Ocean by providing advanced ocean research vessels and teams of skilled scientific manpower. Ultimately, the private sector would develop these hydrocarbon and mineral resources.

Major Outputs:

Sets of Tapes, Charts, Samples, and other Records of Fundamental Data Compilation	2
Workshops (involving counterparts)	4
Comprehensive Final Reports	2
Summary Final Reports	2

AID-Financed Inputs:

	USGS	HIG
Personnel Services	-	600
Services of Research Ships	-	178
Equipment	-	386
Counterparts and Training	60	41
Travel Expenses	185	90
Data Processing	574	2
Reports, Publications and Misc.	84	100
	$903	$1,397

U.S. FINANCING (In thousands of dollars)

	Obligations	Expenditures	Unliquidated	Funding Period	Principal Contractors or Agencies
Through September 30, 1983	500	500	-		United States Geological Survey Hawaii Institute of Geophysics of the University of Hawaii
Estimated Fiscal Year 1984	1,100	1,100		9/84	
Estimated through September 30, 1984	1,600	1,600	-		
Proposed FY 1985	1,000	1,000		9/85	
Estimated through Fiscal Year 1985	2,600	2,600	-		
Proposed FY 1986	2,300	Future Year Obligations	Estimated Total Cost	9/86	
		-	4,900		

PROGRAM: CENTRALLY FUNDED

ACTIVITY DATA SHEET

PROJECT MANAGER:

TITLE	FUNDS	PROPOSED OBLIGATION (In thousands of dollars)		
Low Cost Energy Technology	Agriculture Rural Development Nutrition	FY 86 400		LIFE OF PROJECT 6,800
NUMBER 936-5701.01 GRANT ☒ LOAN ☐ NEW ☐ CONTINUING ☒	PRIOR REFERENCE FY 1985, Annex V, Centrally Funded	INITIAL OBLIGATION FY 79	ESTIMATED FINAL OBLIGATION FY 87	ESTIMATED COMPLETION DATE OF PROJECT FY 87

Project Purpose: To promote the use of energy-efficient stoves and other small-scale, low-cost (appropriate) energy technologies.

Background: Under an AID cooperative agreement, Volunteers in Technical Assistance (VITA), provides information, technical assistance, and grant funding to host country Private Voluntary Organizations (PVOs), community groups and individual entrepreneurs on renewable energy technologies systems - primarily woodstoves for domestic use and wind systems for water pumping. Over the last five years, VITA has published and disseminated a series of energy manuals. VITA has supported workshops, training and dissemination projects in the Sahel, Guatemala, Sri Lanka and Zimbabwe. VITA has significant experience in the analysis, evaluation and application of data relating to stove design programs and, thus, plays a role in the Agency's fuelwood research initiative. This program will continue to provide support for woodstove development efforts through three major components: a technical data exchange network; technical assistance for evaluation and research; and small grants.

Host Country and Other Donors: Other institutions that provide financial support and participate in the data exchange network include ITDG, UNICEF, CERER, ICAITI, CILSS and Aprovecho Institute. Host countries and participating PVOs provide personnel, local support costs and training, as required. Assistance from corporations and foundations is expected to support about 15% of VITA's operating costs.

Beneficiaries: People living in AID countries benefit directly from the woodstoves built in response to the demonstrations and information provided under this program. In addition, it is hoped that the widespread distribution and use of these fuel-efficient stoves will reduce the rate of deforestation now occuring in many AID countries.

FY 86 Program: There continues to be a need for a program to assist interested, related organizations; implementers of woodstove programs; technicians; and small business people in their efforts to develop and disseminate woodstove technology and fuel-efficient woodstoves. In the broadest sense, this program is a continuation of VITA's earlier participation in the worldwide effort to alleviate the strain on world woodfuel supplies and improve the quality of life for people in LDCs by helping in the development of fuel-efficient stoves and the dissemination of wind power technology.

Activities within the data exchange network include compilation of data supplied by network members; development, analysis, evaluation and dissemination of test and design data on woodstoves. Technical assistance includes on-site consultancies in stove design and testing, and project development and evaluation, with priority given to activities benefiting the greatest number of people and those offering small business opportunities. Selected small grants will be used where appropriate for site testing, adaptive research and demonstration to enhance technology transfer. Specific technical areas of concern include: woodstoves and the exploration of the most effective techniques to convey low-cost woodstove technology concepts; and technical information for small business entrepreneurs and users of windpower.

Major Outputs:

Technical workshops	4
Publications prepared	80
Grants awarded	50
On-site consultancies provided	70
Information requests answered	800

A.I.D. Financed Inputs:	FY 86
Personnel (34 person months)	116
Travel	28
Small Grants	50
Network and Research Services	206
TOTAL	400

U.S. FINANCING (In thousands of dollars)	Obligations	Expenditures	Unliquidated	Funding Period	Principal Contractors or Agencies
Through September 30, 1983	5,039	4,624	415	1/31/85	Volunteers in Technical Assistance (VITA)
Estimated Fiscal Year 1984	400	380			
Estimated through September 30, 1984	5,439	5,004	435	1/31/86	
Proposed FY 1985	400	390			
Estimated through Fiscal Year 1985	5,839	5,394	445	1/31/87	
Proposed FY 1986	400	Future Year Obligations	Estimated Total Cost		
		561	6,800		

PROGRAM: CENTRALLY FUNDED

ACTIVITY DATA SHEET

PROJECT MANAGER: P. Weatherly

TITLE	FUNDS	PROPOSED OBLIGATION (In thousands of dollars)	
Bio-Energy Systems and Technology	Agriculture Rural Development and Nutrition; Selected Development	FY 86 1,800	LIFE OF PROJECT 9,320

NUMBER 936-5709 GRANT ☒ LOAN ☐	NEW ☐ CONTINUING ☒	PRIOR REFERENCE FY 1985, Annex V, Activities Centrally Funded, pg. 49	INITIAL OBLIGATION FY 79	ESTIMATED FINAL OBLIGATION FY 87	ESTIMATED COMPLETION DATE OF PROJECT FY 87

Purpose: To increase the availability of energy through more effective use of existing bioresources as well as through the development of new bioenergy systems.

Background and Progress to Date: Many LDCs are faced with increasingly severe balance-of-payments difficulties caused by the high cost of imported oil. At the same time, natural renewable resources are being stressed by increasing demands for biofuels (fuels of biomass origin). This demand is driven by population growth and by the desire to substitute biofuels for expensive petroleum. There is a trend toward use of biofuels of ever lower quality, a trend which adversely affects both quality of life and economic productivity in LDCs. The systems that are being stressed the most are those which are also the most critical for food production, i.e., densely populated cereal grain lands. Thus, even the base of productivity is being undercut by changes in the traditional pattern of biofuel use. This project provides technical assistance for country bioresource assessments, and for design of bioresource production systems, starting from the needed end use for the biofuel and working back through choice of conversion technologies to production, management and cultivation systems. With this program of assistance, the LDCs will be able to use their bioresources more effectively and to plan the bioresource component of their energy development program more confidently.

This project also works to improve the various international efforts underway in the field of fuelwood research by promoting linkages between involved institutions. Specifically, this project will stimulate fuelwood research in critical areas such as improvement of fuelwood crop species, production systems, and conversion technologies.

A core group of technical experts form the Tennessee Valley Authority works closely with S&T/EY technical staff to carry out activities under this project. Field consultancies have been carried out in Guyana, Panama, Morocco, Costa Rica, Indonesia, Tunisia, Ecuador, Sri Lanka, Nepal, Philippines, Sudan, Kenya, Dominican Republic, Honduras, Portugal, Pakistan, Jamaica, and Fiji.

Host Country and Other donors: Host countries as well as other donors will provide personnel, facilities, technical support, and monitoring of pilot activities. The choice of specific pilot activities will be determined through joint participation of A.I.D. and host country technicans in comprehensive resource assessments.

The research activities will be determined through consultation with other donors, host countries, and international research centers. The process of consulation will involve the preparation of technical papers and a mutual assessment of programs. This assessment will result in the definition of a global research program, including respective roles and funding needs.

Beneficiaries: Host governments and research institutions will benefit directly from the project through increased knowledge and experience with the development and management of bioenergy systems. Those ultimately benefiting are the people of rural areas who will have greater supplies of higher quality biofuels.

FY 1986 Program: Cooperation with field missions will continue to advance the use of bioresources both for traditional household fuels and for maximum addition to national fuel supply as a substitute for imported oil. State-of-the-art information will be disseminated to technical agencies to stimulate new applications. Research and policy studies in production and utilization of biomass fuels will be emphasized; development of networks for technical information exchange and institutional collaboration will be undertaken.

Major Output:	
Field consultancies	85
Workshop participants trained	150
Resource/technology assessments	10
Pilot projects undertaken	8
Research background papers	7
Preparation for R&D assessment	1
Applied research projects	5

A.I.D. Financed Inputs:	FY 1986
Personnel (60 person-months)	500
Travel	100
Training	200
Operations	300
Research	700
TOTAL	1,800

U.S. FINANCING (In thousands of dollars)	Obligations	Expenditures	Unliquidated	Funding Period	Principal Contractors or Agencies
Through September 30, 1983	4,608	3,706	902		Tennessee Valley Authority
Estimated Fiscal Year 1984	900	1,261		9/85	
Estimated through September 30, 1984	5,508	4,967	541		
Proposed FY 1985	1,500	1,450		9/86	
Estimated through Fiscal Year 1985	7,008	6,417	591		
Proposed FY 1986	1,800	Future Year Obligations	Estimated Total Cost	6/87	
		512	9,320		

PROGRAM: CENTRALLY FUNDED

ACTIVITY DATA SHEET

PROJECT MANAGER: Jacobs/Toth

TITLE	FUNDS	PROPOSED OBLIGATION (in thousands of dollars)		
Small Decentralized Hydropower	Agriculture Rural Development and Nutrition	FY 86 500 1		LIFE OF PROJECT 5,500
NUMBER 936-5715 GRANT ☒ LOAN ☐ / NEW ☐ CONTINUING ☒	PRIOR REFERENCE FY 1985, Annex V Centrally Funded, Pg. 45	INITIAL OBLIGATION FY 80	ESTIMATED FINAL OBLIGATION FY 87	ESTIMATED COMPLETION DATE OF PROJECT FY 5

Project Purpose: To expand electric power supplies by developing waterpower resources for local and regional areas.

Background and Progress to Date: For many LDCs, hydropower is the least expensive form of bulk energy; it is also the most efficient and least polluting source of power. In many of these countries, small waterpower systems can serve several purposes--electric power, water supply, flood control, and irrigation. After years of neglect, small hydropower technology, with its capacity for diversified applications, has become a highly attractive LDC energy source.

Working with LDC energy authorities, A.I.D. and its contractor, the National Rural Electric Cooperative Association (NRECA), continue to apply technical assistance for decentralized waterpower development by conducting resource assessments, feasibility studies, economic and technical analyses, and the provision of engineering and equipment advice where appropriate. Small hydropower teams have provided a variety of technical assistance services ranging from feasibility studies for three sites on the typhoon-devastated island of Dominica to preparation of project documents and surveys in Zaire which has over 1,000 identified hydropower sites. In addition, technical assistance has been provided in Togo, Cape Verde, Peru, Liberia, Rwanda, Ecuador, Morocco, Sudan, Lesotho, Thailand, Sierra Leone, Bangladesh, Costa Rica, Madagascar, and the Dominican Republic; and feasibility studies were conducted in Nepal, Pakistan and Burundi.

Four hundred participants from seventy developing countries attended workshops on small decentralized hydropower which were held in Latin America, Asia, and Africa. Workshop participants gained practical experience by preparing prefeasibility studies on potential installations of varying sizes at actual sites.

Host Country and Other Donors: Host countries support local personnel who participate with A.I.D. technical teams and often cover the in-country expenses of the teams. In some countries, such as Morocco, local engineering companies are contracted by the government to conduct site feasibility studies with host countries contributing major components of projects, such as labor and materials for civil works, and organizations for the management, operation, and distribution of power. Assistance from the multilateral development banks, UNDP and Canadian, West German, and British bilateral assistance agencies is coordinated with A.I.D. efforts in specific instances.

Beneficiaries: Consumers and entrepreneurs benefit from new hydropower sources in rural regions as electricity becomes more available to farmers and small business and manufacturing and service industries. Rural and market-town residents save on electricity costs which have rapidly accelerated with diesel price increases. Decentralized waterpower serves the rural poor residing at farm sites, and in village clusters and market towns.

FY 86 Program: The program will continue to emphasize collaboration with host countries to determine how small decentralized hydropower can provide more power for development purposes and reduce consumption of imported petroleum. Specialized advice on planning, organizational needs, technical requirements and training will continue to assure a solid institutional base for small decentralized hydropower systems. In addition, specialized training will be provided in conjunction with other S&T/EY training programs.

Major Outputs	
Field consultancies	50
LDC participants trained	225
Engineering site studies completed	45

A.I.D. Financed Inputs	FY 86
Personnel (48 person months)	245
Training	100
Travel	60
Experts and Consultants	65
Research	30
TOTAL	500

U.S. FINANCING (in thousands of dollars)	Obligations	Expenditures	Unliquidated	Funding Period	Principal Contractors or Agencies
Through September 30, 1983	3,824	3,724	100		National Rural Electric Cooperative Association (NRECA)
Estimated Fiscal Year 1984	127	200		7/31/85	
Estimated through September 30, 1984	3,951	3,924	27		
Proposed FY 1985	500	500		7/03/86	
Estimated through Fiscal Year 1985	4,451	4,424	27		
Proposed FY 1986	500	Future Year Obligations	Estimated Total Cost	9/30/84	
		549	5,500		

PROGRAM: CENTRALLY FUNDED

ACTIVITY DATA SHEET

PROJECT MANAGER: Jacobs/Toth

TITLE	FUNDS	PROPOSED OBLIGATION (In thousands of dollars)		
Renewable Energy Applications	Agriculture Rural Development and Nutrition	FY 86 500		LIFE OF PROJECT 6,000
NUMBER 936-5729 GRANT ☒ LOAN ☐ / NEW ☐ CONTINUING ☒	PRIOR REFERENCE FY 1985, Annex V Centrally Funded, pg. 49	INITIAL OBLIGATION FY 85	ESTIMATED FINAL OBLIGATION FY 89	ESTIMATED COMPLETION DATE OF PROJECT FY 90

Purpose: The purpose of this project is to assist developing countries in using their renewable energy resources by supporting technical assistance, research and evaluation activities related to solar, wind and geothermal energy systems. This program will complement existing programs in bioenergy and small decentralized hydropower.

Background and Progress to Date: Domestic renewable energy resources are expected to be substituted increasingly for imported energy and traditional fuels and to provide new energy supplies for economic development. There have been numerous renewable energy projects supported by AID and other donors, many of which have not proven successful. The primary reasons for the lack of success have been (a) an inability to assess renewable resources and technologies that are appropriate for meeting specific end-use requirements; and (b) failure to understand that resources and technologies must be accompanied by continuous and effective management. Even successful projects often fail to generate data on cost and performance which would allow the transfer of successful approaches from one country to another. Program activities will include: collecting and publishing state-of-the-art information (technical performance and cost information) on renewable energy technologies; evaluation analysis, publication and dissemination of renewable energy project experiences; and guidance to missions on designing renewable energy projects and systems. The project will also provide technical assistance to missions, maintain a data bank on U.S. equipment manufacturers, suppliers and consultants, and pertinent literature; and develop an information system on AID's renewable energy projects and on appropriate training courses. A panel of U.S. equipment manufactures will be asked to assist in implementing the project, thereby providing a direct link between U.S. industry and consumers in AID countries.

The ST/EY staff will work closely with selected consultants, regional bureaus, missions and host country officials to assure full coordination of all aspects of assistance given under this project.

Host Country and Other Donors: Host countries will provide assistance to the project by providing personnel, local support costs and training and extension services.

Beneficiaries: Recipient countries' planning, research and extension institutions will benefit directly through improved information on the near and long-term applicability of selected renewable energy technologies. Private organizations will similarly benefit. Those ultimately benefiting are the people of the rural and urban areas who will have greater access to energy for development.

FY 1986 Program: Consultancies and technical backstopping to existing field projects and to host countries collaborating in regional and mission activities will be the first priority. Technology performance data will continue to be collected for future analysis and evaluation and for project implementation and redesign, as necessary.

Major outputs: Field performance data will be combined with published data to derive technology characterization, to improve application of technology systems and to enhance the effectiveness of individual technology options.

AID Financed Inputs:	FY 86
Personnel (48 person months)	250
Travel	50
Training	50
Operation support costs	150
Total	500

U.S. FINANCING (In thousands of dollars)	Obligations	Expenditures	Unliquidated	Funding Period	Principal Contractors or Agencies
Through September 30 1983					To be selected
Estimated Fiscal Year 1984					
Estimated through September 30, 1984					
Proposed FY 1985	500	200	300	9/85	
Estimated through Fiscal Year 1985	500	200	300		
Proposed FY 1986	500	Future Year Obligations	Estimated Total Cost	3/86	
		5,000	6,000		

PROGRAM: CENTRALLY FUNDED

ACTIVITY DATA SHEET

PROJECT MANAGER: S. Toth/P. Koshel

TITLE	FUNDS	PROPOSED OBLIGATION (in thousands of dollars)		
Renewable Energy Training	Agriculture Rural Development and Nutrition	FY 86 500	LIFE OF PROJECT	7,000
NUMBER 936-5730 GRANT ☒ LOAN ☐ / NEW ☐ CONTINUING ☒	PRIOR REFERENCE FY 1985, Annex V Centrally Funded, pg. 49	INITIAL OBLIGATION FY 85	ESTIMATED FINAL OBLIGATION FY 89	ESTIMATED COMPLETION DATE OF PROJECT FY 90

Project Purpose: To provide training for LDC participants in the development and management of specific renewable energy systems.

Background and Progress to Date: The developing countries depend primarily on petroleum to meet their commercial energy requirements. In many countries, renewable energy resources can be developed and substituted for imported petroleum and to meet the need for additional energy supplies to support economic expansion. Unfortunately, information on renewable energy technologies is generally not available and there are not adequate numbers of trained personnel to support such systems in LDCs. The Training in Renewable Energy Technologies project is designed to train LDC participants in specific renewable energy systems based on wind, solar, or bioenergy resources. This program replaces the broad general survey course offered under the Alternative Energy Technologies project (936-5716).

The renewable energy training provided under this project will include both academic instruction and "hands on" internships for periods ranging from a few weeks to several months. The training programs will be designed around specific energy systems now being developed, as well as projects being planned by A.I.D. Missions. The participants are expected to be actively involved in planning and implementing renewable energy projects in their countries or to be in policy positions from which they directly influence organizations and institutions in the energy sector.

Host Country and Other Donors: Host countries will nominate individual trainees and provide a share of the participant costs. A.I.D. will coordinate with the World Bank, other multilateral and bilateral organizations, and the private sector to assure that the training complements related renewable energy programs.

Beneficiaries: The immediate beneficiaries will be those participants who have been trained under this program and the agencies that employ them. Ultimately, the beneficiaries will be the economies of the LDCs and the people whose well being is enhanced by the energy available through local renewable resources systems.

FY 86 Program: Approximately 100 participants will be trained in the U.S. and overseas in workshops, seminars and academic programs. The programs will include training related to the development and use of solar, wind, biomass, hydropower, geothermal and ocean thermal resources.

Major Outputs:

LDC participants trained (person months	450

A.I.D. Financed Inputs:

	FY 86
Participant training costs	400
Administrative costs	100
TOTAL	500

U.S. FINANCING (In thousands of dollars)	Obligations	Expenditures	Unliquidated	Funding Period	Principal Contractors or Agencies
Through September 30, 1983					To be selected
Estimated Fiscal Year 1984					
Estimated through September 30, 1984					
Proposed FY 1985	500	400	100	9/30/85	
Estimated through Fiscal Year 1985	500	400	100		
Proposed FY 1986	500	Future Year Obligations 6,000	Estimated Total Cost 7,000	9/30/86	

PROGRAM: CENTRALLY FUNDED

ACTIVITY DATA SHEET

PROJECT MANAGER: F. Baldwin

TITLE	FUNDS	PROPOSED OBLIGATION (In thousands of dollars)		
Energy in Agricultural Development	Agriculture Rural Development and Nutrition	FY 86 500	LIFE OF PROJECT 15,000	
NUMBER 936-5731 GRANT ☒ LOAN ☐ / NEW ☒ CONTINUING ☐	PRIOR REFERENCE	INITIAL OBLIGATION FY 86	ESTIMATED FINAL OBLIGATION FY 96	ESTIMATED COMPLETION DATE OF PROJECT FY 96

Purpose: To strengthen the technical capacity of developing countries to increase agricultural productivity by assuring sustainable energy supplies and improved energy efficiency in agricultural systems.

Background and Progress to Date: Energy constraints to agricultural production, processing and transport systems have become severe in the wake of supply scarcities, sharply escalating prices, and the depletion of natural resources. At the same time, national foreign exchange accounts need relief from the cost of food and petroleum imports. Modern, efficient agricultural systems have energy-intensive requirements for irrigation, mechanization, processing, and transportation; thus future growth in output is limited by the availability of fuel and other power supplies. Efforts to overcome these constraints have not been made with sufficient understanding of indigenous energy potentials that can be exploited.

Specific areas needing "in depth" examination include: identification of energy-efficient equipment for tillage and irrigation; analysis of fuel and fertilizer pricing policies for the agricultural sector; study of water allocation policy and related fuel requirements; examination of disruptions to the food system (including transport and processing of food products) due to the absence or high price of fuel; measure of the use of agricultural waste by-products for energy, especially for self-sufficiency in agricultural energy uses; and assessment of competition between land use for crops and animals versus fuel and the possibilities for fuel substitution.

This project will address these and other issues through a program of 1) Research on energy required for agricultural development; 2) Technical assistance to AID missions and host countries on the design of projects and integrated energy/agriculture sector studies or resource assessments; 3) Information dissemination and training; and 4) Technology transfer as the analysis and research performed in the early stages of the project identify promising pilot-project activities related to energy and agriculture.

Host Country and Other Donors: This project will support networking arrangements among developing countries and U.S. institutions, linking ongoing and planned projects in the energy and agricultural sectors within the S&T Bureau and regional bureaus, missions, host governments, other donors and private entities. Host countries and other donors will help provide personnel, facilities, technical support and monitoring of pilot activities. The choice of specific pilot activities will be determined through joint participation of AID and host country technicians in comprehensive resource assessments and research.

Beneficiaries: Initially, host-country institutions and agencies that design and carry out energy and agriculture projects and programs will benefit directly from the project through increased knowledge and experience with the development and management of programs related to energy in agricultural development. Ultimately, farmers and other energy users in agriculture systems will benefit through adaptation of improved energy management technologies and practices.

FY 1986 Program: Program start-up will include country energy/agriculture assessments, research, information dissemination, and technical assistance to field missions in the design of projects and related endeavors. Development of networks for technical information exchange and institutional collaboration will be undertaken.

Major Outputs:

Training courses held	15
Workshop participants trained	400
Audio-visual modules developed	20
Special studies/analyses conducted	20
Publications	7
Seminars/workshops/planning sessions	7
Pilot projects undertaken	8

A.I.D. Financed Inputs:	FY 1986
Personnel (60 person-months)	300
Logistics	50
Training/workshops	100
Publications	50
TOTAL	500

U.S. FINANCING (In thousands of dollars)	Obligations	Expenditures	Unliquidated	Funding Period	Principal Contractors or Agencies
Through September 30, 1983					To be selected
Estimated Fiscal Year 1984					
Estimated through September 30, 1984					
Proposed FY 1985					
Estimated through Fiscal Year 1985					
Proposed FY 1986	500	Future Year Obligations 14,500	Estimated Total Cost 15,000	9/30/86	

PROGRAM: CENTRALLY FUNDED

ACTIVITY DATA SHEET

PROJECT MANAGER: S. Toth

TITLE	FUNDS	PROPOSED OBLIGATION (In thousands of dollars)		
Energy Technical Services Support	Selected Development Activities	FY86 200	LIFE OF PROJECT Continuing	
NUMBER 936-5702	PRIOR REFERENCE FY 1985, Annex V	INITIAL OBLIGATION FY 78	ESTIMATED FINAL OBLIGATION FY Continuing	ESTIMATED COMPLETION DATE OF PROJECT FY
GRANT ☒ LOAN ☐ NEW ☐ CONTINUING ☒	Centrally Funded, pg. 121			

Project Purpose: To provide short-term professional, scientific and technical consultants in response to AID Mission and LDC requests for advice on energy program planning and specific energy technology systems.

Background & Progress to Date: This activity assists developing countries and AID Missions by providing a range of technical, evaluation and management services. Assistance is provided to support conventional and non-conventional energy systems and energy conservation efforts. For example, short-term assistance has been provided to the Government of Liberia for engineering and economic advice on specific energy-production and conservation technologies, to Indonesia in the planning and organization of a national energy laboratory, and to Senegal on a solar energy water-pumping project. Assistance has also been provided to Morocco for its Solar Institute. Other recent activities include preparation of an evaluation methodology for small-scale, renewable energy technology systems, evaluation of Morocco's wind and solar-powered water-pumping system, geothermal studies in the Caribbean, assessment of the potential use of wind energy to generate electricity in Tunisia, evaluation of the USAID/Cape Verde Renewable Energy Project, and a wind energy technology seminar for the Royal Scientific Society in Jordan.

Host Country and Other Donors: None.

Beneficiaries: Most immediately, LDC energy and planning ministries, public utilities and host country technical experts benefit from these advisory services. Ultimately, the population in rural and urban areas of selected LDCs will benefit from enhanced supplies of locally-available energy and from better utilization of the energy consumed.

FY 86 Program: Project activities will include the provision of short-term consultancies to LDCs to assist in energy analyses, project design, and specific solution. Technical support services, available at the request of field missions, cover a broad range of energy related activities. Neither the precise annual level of demand nor the exact types of technical consultancies needed, can be predicted. The project provides a quick and flexible mechanism for meeting field needs as well as the requirement for direct technical support to A.I.D.'s Office of Energy.

Major Outputs:

Technical evaluation	25
Field consultancies	40
Analyses of energy programs	10

A.I.D. Financed Inputs:	FY 86
Personnel (30 person-months)	100
Travel	40
Studies and Consultancies	60
TOTAL	200

U.S. FINANCING (In thousands of dollars)	Obligations	Expenditures	Unliquidated	Funding Period	Principal Contractors or Agencies
Through September 30, 1983	1,284	1,190	94	Various	Department of Energy (DOE) National Laboratories Administered by DOE
Estimated Fiscal Year 1984	300	290			
Estimated through September 30, 1984	1,584	1,480	104	Various	
Proposed FY 1985	200	180			
Estimated through Fiscal Year 1985	1,784	1,660	124	Various	
Proposed FY 1986	200	Future Year Obligations: Continuing	Estimated Total Cost: Continuing		

PROGRAM: CENTRALLY FUNDED

ACTIVITY DATA SHEET

PROJECT MANAGER: C. Bliss

TITLE	FUNDS	PROPOSED OBLIGATION (In thousands of dollars)		
Conventional Energy Assistance	Selected Development Activities	FY 86 1,800		LIFE OF PROJECT 13,750
NUMBER 936-5724 GRANT ☒ LOAN ☐ / NEW ☐ CONTINUING ☒	PRIOR REFERENCE FY 1985, Annex V Centrally Funded, pg. 121	INITIAL OBLIGATION FY 80	ESTIMATED FINAL OBLIGATION FY 87	ESTIMATED COMPLETION DATE OF PROJECT FY 88

Project Purpose: To assist LDCs to identify, evaluate and develop their conventional energy resources, and utilize them in a way that reduces dependence on oil imports. Assistance may include the strengthening of geological, and energy development-related institutions; the facilitation of access to technologies, services, and investment needed to develop and exploit these resources; and the provision of in-country technical training required to plan and manage the tasks involved.

Background & Progress to Date: Project activities have been selected to produce a measurable reduction in the importation of petroleum products in cooperating LDCs. Such reduction may be measurable directly, e.g., by assisting in the introduction of a coal-water-mixture fuel to substitute for imported fuel oil; or indirectly e.g., by assisting in the rationalization and organization of in-country geological and geophysical data conducive to international private investment for new exploration activities. Progress to date includes activities in varying stages of implementation in Morocco, Kenya, Sudan, Ecuador, Costa Rica, Bangladesh, and Pakistan. Future country-level activities will or may be defined and implemented in Thailand, Philippines, Indonesia, Peru, Malawi, Tunisia, Niger and Senegal. In the Pakistan situation, this centrally managed project provided only the technical assistance input and management for definition of detailed country activity and initial planning; implementation now follows as a bilateral project activity.

This project entails employment of a wide spectrum of technical disciplines ranging from satellite remote sensing data acquisition and interpretation to infer the presence of geological structures favorable for fossil energy finds; the planning necessary for extraction of these resources and their processing for conversion and use; and the assessment of local technical capabilities. AID's Office of Energy is managing this broad and complex project through appropriate use of its in-house capabilities and those of the U.S. Geological Survey, indefinite quantity contractors, and a major contractor (Bechtel National Incorporated) selected for their competence to implement a wide range of conventional energy country-level activities.

Host Country and Other Donors: Participating countries make available the local facilities and provide in-country transport, logistics and materials. The project interrelates and coordinates information transfer with the World Bank, other international donors and private sector interests to facilitate their potential follow-on assistance.

Beneficiaries: Energy is an essential ingredient of all development efforts. Populations of participating countries will benefit with increased availability of more, and less expensive energy.

FY 1986 Program: Project reconnaissance and implementation activities will continue. Implementation activities previously begun in prior FYs will continue to completion. The Latin America and Africa regions will be targeted for initiation of subprojects in at least three countries.

Major Outputs:

Country Activity Designs	15-20
Country Activity Implementation	4-6
Geological Data Compilations	8
Conventional Energy Workshops	2

A.I.D. Financed Inputs:

	FY 86
Country Activity Designs	
Personnel (22 person-months)	250
Travel and Living	100
Country Project Implementation	
Personnel (110 person-months)	800
Travel and Living	650
TOTAL	1800

U.S. FINANCING (In thousands of dollars)	Obligations	Expenditures	Unliquidated	Funding Period	Principal Contractors or Agencies
Through September 30, 1983	7,134	5,313	1,821		Bechtel National, Inc. U.S. Geological Survey Others to be selected
Estimated Fiscal Year 1984	1,400	2,526		9/85	
Estimated through September 30, 1984	8,534	7,839	695		
Proposed FY 1985	2,250	2,250		12/86	
Estimated through Fiscal Year 1985	10,784	10,089	695		
Proposed FY 1986	1,800	Future Year Obligations	Estimated Total Cost	6/87	
		1166	13,750		

PROGRAM: CENTRALLY FUNDED

ACTIVITY DATA SHEET

PROJECT MANAGER: P. Baldwin/[illegible]

TITLE: Energy Policy Development and Conservation	FUNDS: Selected Development Activities; Agriculture, Rural Development and Nutrition	PROPOSED OBLIGATION (In thousands of dollars) FY 86: 2,600	LIFE OF PROJECT: 14,500	
NUMBER: 936-5728 GRANT ☒ LOAN ☐ / NEW ☐ CONTINUING ☒	PRIOR REFERENCE: FY 1985, Annex V Centrally Funded, pg. 121	INITIAL OBLIGATION FY 82	ESTIMATED FINAL OBLIGATION FY 89	ESTIMATED COMPLETION DATE OF PROJECT FY 90

Project Purpose: To assist LDCs to develop institutions, personnel and processes capable of effective energy policy-making; to provide technical assistance for the design of specific policies, action programs and investments needed to relieve critical current energy problems and minimize the effects of future energy crises; and to help LDCs achieve measurable improvements in the efficiency of energy use and the level of national energy self-sufficiency.

Background & Progress to Date: This project includes efforts at the national, regional and global levels. Country-level technical assistance activities are tailored to each country's energy needs, resources and problems, as well as to existing and potential institutional capabilities. Regional and global studies under the project's research component address cross-cutting issues such as energy pricing, conservation in energy-intensive industries that are present in most LDCs, and lessons learned in the country-level activities that can be applied in other countries. Special attention is paid to innovative approaches to data collection and analysis, feasibility and cost/benefit analysis, and investment evaluation; microcomputer hardware and software applications in these areas are being tested in several countries. In FY 82 country activities in Sudan and Morocco entered a second phase and global studies of pricing and data issues were begun. In FY 83 new country-level activities began in three countries and a major conference was held to bring together energy policy-makers from 25 LDCs, AID staff, other donors, representatives, U.S. academics and consultants to share experiences and methodologies. Conservation services also began in FY 83, including factory energy audits, training, technical consultations on energy management in energy-intensive industries, preparation of information packages to promote efficient energy use, and development of innovative financing mechanisms. A research program is underway designed to deal with cross-cutting issues for LDCs including energy pricing and economic development, regulation of energy consumption, fuel transition and substitution, and energy in the agriculture and transportation sectors. In FY 84 the initial country-level activities were phased out, policy research and conservation activities continued, and new emphasis was given to developing publications and informal networks to better disseminate and synthesize experiences of various countries. Energy planning for agricultural systems became a major project theme.

Host Country and Other Donors: Host country institutions provide counterpart personnel salaries, facilities, logistical support, and certain other financial resources depending on the individual country and project needs. A.I.D. coordinates activities under this project with IBRD/UNDP country energy-assessment programs and, where applicable, with IBRD's and other donors' technical assistance projects in energy conservation. A.I.D. Missions also provide co-financing of most country-level activities.

Beneficiaries: Direct beneficiaries include LDC energy-related agencies and ministries, energy and mining corporations and utilities, private fuel distributors and private industrial, commercial and residential energy consumers. Indirect beneficiaries encompass broad LDC populations who benefit from sound energy policies or programs that reduce dependence on imported oil (and thereby reduce balance-of-payments deficits and external debt-servicing burdens), maximize productive, efficient use of indigenous resources, reduce depletion of traditional fuels, and implement policies that are sustainable and stable over the long term.

FY 86 Program: Country-level activities, as appropriate, will continue and new activities will begin in two more countries. Regional and/or global analyses of selected issues will be undertaken. Inter-country coordination and information-sharing will continue. Micro-computer applications in energy-policy development and management will continue as will selected research efforts relating to energy use in LDC economic development. Evaluation of earlier activities will be undertaken.

Major Outputs:

Country-level programs	8
Regional and/or global studies, research grant cycles	12
Coordination workshops, conferences & publications	8
Evaluations (country programs and regional global activities)	7

A.I.D. Financed Inputs:	FY 86
Personnel 215 person-months @ $7,000	1500
Travel	300
Logistical support	300
Commodities (computer hardware & software, documents, etc.)	500
TOTAL	2600

U.S. FINANCING (In thousands of dollars)	Obligations	Expenditures	Unliquidated	Funding Period	Principal Contractors or Agencies
Through September 30, 1983	2,523	965	1,558		To be selected
Estimated Fiscal Year 1984	1,650	2,275		1/86	
Estimated through September 30, 1984	4,173	3,240	933		
Proposed FY 1985	2,450	2,800		12/86	
Estimated through Fiscal Year 1985	6,623	6,040	583		
Proposed FY 1986	2,600	Future Year Obligations	Estimated Total Cost	11/87	
		5,277	14,500		

PROGRAM: CENTRALLY FUNDED

ACTIVITY DATA SHEET

PROJECT MANAGER: P. Baldwin

TITLE	FUNDS	PROPOSED OBLIGATION (In thousands of dollars)		
Conventional Energy Training	Selected Development Activities	FY 86 2,200		LIFE OF PROJECT 16,525
NUMBER 936-9997 GRANT ☒ LOAN ☐ / NEW ☐ CONTINUING ☒	PRIOR REFERENCE FY 1985, Annex V Centrally Funded, pg. 121	INITIAL OBLIGATION FY 81	ESTIMATED FINAL OBLIGATION FY 88	ESTIMATED COMPLETION DATE OF PROJECT FY 89

Project Purpose: To train LDC nationals in scientific, engineering, planning and managerial skills necessary to develop and manage indigenous, conventional-energy programs.

Background & Progress to Date: In many LDCs that possess known or potential conventional energy resources - oil, gas, coal and potential for non-nuclear electricity - the greatest barrier to the identification, exploitation and management of these resources is the lack of trained energy technicians and managers. This project provides about 40% of its participants with graduate-level academic training in science and engineering related to conventional energy, leading to the M.S. degree. Other relevant disciplines - economics, business management and law - are also included. About 60% of the training participants are enrolled in non-academic training including short courses and on-the-job practical training through internships with U.S. oil companies, utilities, mining enterprises, seismic and drilling companies and research institutions. This training will increase LDC institutional capabilities to identify, exploit and manage their conventional-energy resources. About 150-200 participants are in U.S. training each year, exposing them to American technologies, expertise and business practices.

Host Country and Other Donors: Participating countries help select participants and provide transportation. A.I.D. works closely with other donors and the private sector to ensure that the training offered complements related conventional-energy projects.

Beneficiaries: Immediate beneficiaries will be those LDC professionals selected for training. As participants begin applying their training to actual conditions in their countries, benefits will expand, strengthening institutions and improving management and utilization of conventional-energy resources.

FY 86 Program: Efforts begun earlier will be refined and continued. Up to 150 LDC personnel will commence training in energy-related disciplines. More industry internships will be offered in the U.S. and limited in-country training opportunities will be made available through visiting professorships and special courses overseas depending on availability of funds. New U.S. short courses will be commissioned, as in past years, to fill gaps in currently-available training opportunities.

Major Outputs:

LDC participants trained 750

A.I.D. Financed Inputs:	FY 86
Participant training costs (1400 man months)	1700
Administrative costs	500
TOTAL	2200

U.S. FINANCING (In thousands of dollars)

	Obligations	Expenditures	Unliquidated	Funding Period	Principal Contractors or Agencies
Through September 30, 1983	6,371	4,740	1,631		
Estimated Fiscal Year 1984	2,025	1,950		8/85	
Estimated through September 30, 1984	8,396	6,690	1,706		
Proposed FY 1985	2,100	3,250		12/86	Institute of International Education
Estimated through Fiscal Year 1985	10,496	9,940	556		
Proposed FY 1986	2,200	Future Year Obligations	Estimated Total Cost	8/87	
		3,829	16,525		

COUNTRY ACTIVITY REPORT
BY GEOGRAPHIC AREA - FY 84 THRU 86
LAST UPDATE: MAY 1984

NEAR EAST

COUNTRY: MOROCCO

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
ENERGY MANAGEMENT TRAINING 931-1160.		A	15	0	0	0	A	0	0	0	0	A	0	0	0	0
CONVENTIONAL ENERGY ASSISTANCE 936-5724.		P	0	0	0	0	B	0	0	0	0	B	100	0	0	0
COUNTRY TOTAL:			15	0	0	0		0	0	0	0		100	0	0	0

COUNTRY: EGYPT

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
ENERGY MANAGEMENT TRAINING 931-1160.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
931-1160.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
BIOENERGY SYSTEMS AND TECHNOLOGY 936-5709.21		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5709.01		P	0	0	0	0	B	0	0	0	0	B	0	0	0	0
ALTERNATIVE ENERGY TRAINING 936-5710.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
CONVENTIONAL ENERGY ASSISTANCE 936-5724.		B	0	0	0	0	B	0	0	0	0	B	100	0	0	0
ENERGY POLICY DEV. AND CONSERVATION 936-5725.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
RENEWABLE ENERGY TRAINING 936-5730.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		0	0	0	0		100	0	0	0

COUNTRY: TUNISIA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP

A - ACTIVE B - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
BY GEOGRAPHIC AREA - FY 84 THRU 86
LAST UPDATE: MAY 1984

NEAR EAST

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
931-1160.	ENERGY MANAGEMENT TRAINING	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: TURKEY

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
931-1160.	ENERGY MANAGEMENT TRAINING	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: JORDAN

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
931-1160.	ENERGY MANAGEMENT TRAINING	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5724.	CONVENTIONAL ENERGY ASSISTANCE	B	0	0	0	0	B	0	0	0	0	B	100	0	0	0
936-5728.	ENERGY POLICY DEV. AND CONSERVATION	B	0	0	0	0	B	150	0	1	0	B	0	0	0	0
936-5729.	RENEWABLE ENERGY APPLICATIONS	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
936-5730.	RENEWABLE ENERGY TRAINING	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		150	0	1	0		100	0	0	0

COUNTRY: NEAR EAST REGIONAL - DA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP

A - ACTIVE P - PENDING MISSION APPROVAL

NEAR EAST

COUNTRY ACTIVITY BUDGET
BY GEOGRAPHIC AREA - BY FY THRU FY
LAST UPDATE: [illegible]

SI/EY															
LOW COST ENERGY TECHNOLOGY (VITA)															
936-5701.01	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5701.01	B	0	0	0	0	B	10	0	0	0	B	50	0	0	0
DECENTRALIZED HYDROPOWER															
936-5715.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
RENEWABLE ENERGY APPLICATIONS															
936-5725.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
RENEWABLE ENERGY TRAINING															
936-5730.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
CONVENTIONAL - ENERGY TRAINING															
936-9997.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-9997.	B	0	0	0	0	B	300	0	1	20	B	650	0	0	20
COUNTRY TOTAL:		0	0	0	0		310	0	0	20		650	0	0	20
TOTAL FOR REGION:		22	0	0	3		450	0	4	20		700	0	0	23

A - ACTIVE B - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
BY GEOGRAPHIC AREA - BY 84 THRU 86
LAST UPDATE: MAY 1984

SOUTH ASIA

COUNTRY: NEPAL

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
SI/EY																
931-1160.	ENERGY MANAGEMENT TRAINING	A	30	0	0	4	A	0	0	0	0	A	0	0	0	0
936-5715.	DECENTRALIZED HYDROPOWER	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5715.		B	0	0	0	0	B	10	0	1	0	B	0	0	0	0
936-5730.	RENEWABLE ENERGY TRAINING	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			30	0	0	4		10	0	1	0		0	0	0	0

COUNTRY: SRI LANKA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
SI/EY																
931-1160.	ENERGY MANAGEMENT TRAINING	A	15	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5715.	DECENTRALIZED HYDROPOWER	B	0	0	0	0	B	20	0	1	0	B	0	0	0	0
936-5720.	ENERGY POLICY DEV. AND CONSERVATION	B	0	0	0	0	B	200	0	0	0	B	0	0	0	0
936-5730.	RENEWABLE ENERGY TRAINING	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			15	0	0	0		220	0	3	0		0	0	0	0

COUNTRY: INDIA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
SI/EY																
931-1160.	ENERGY MANAGEMENT TRAINING	A	35	0	0	5	A	0	0	0	0	A	0	0	0	0

A - ACTIVE B - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
BY GEOGRAPHIC AREA - FY 84 THRU 86
LAST UPDATE: MAY 1984

SOUTH ASIA

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
BIOENERGY SYSTEMS AND TECHNOLOGY															
936-5709.01	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5709.01	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
ALTERNATIVE ENERGY TRAINING															
936-5715.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
COUNTRY TOTAL:		35	0	0	5		0	0	0	0		0	0	0	0

COUNTRY: BANGLADESH

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
BIOENERGY SYSTEMS AND TECHNOLOGY															
936-5709.01	B	0	0	0	0	B	20	0	1	0	B	20	0	1	0
RENEWABLE ENERGY TRAINING															
936-5730.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		20	0	1	0		20	0	1	0

COUNTRY: PAKISTAN

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
ENERGY MANAGEMENT TRAINING															
931-1160.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
DECENTRALIZED HYDROPOWER															
936-5715.	B	0	0	0	0	B	30	0	2	0	B	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		30	0	2	0		0	0	0	0
TOTAL FOR REGION:		80	0	0	11		280	0	7	0		20	0	1	0

A - ACTIVE B - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
BY GEOGRAPHIC AREA - FY 84 THRU 86
LAST UPDATE: MAY 1984

EAST ASIA

COUNTRY: MALAYSIA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
DECENTRALIZED HYDROPOWER 936-5715.		B	20	0	1	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			20	0	1	0		0	0	0	0		0	0	0	0

COUNTRY: PHILIPPINES

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
ENERGY MANAGEMENT TRAINING 931-1160.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
BIOENERGY SYSTEMS AND TECHNOLOGY 936-5708.01		A	0	0	0	0	A	0	0	0	0	A	40	0	0	0
936-5709.01		B	60	0	3	0	B	0	0	0	0	B	0	0	0	0
DECENTRALIZED HYDROPOWER 936-5715.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5715.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
CONVENTIONAL ENERGY ASSISTANCE 936-5724.		A	0	0	0	0	A	500	0	4	0	A	0	0	0	0
936-5724.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
ENERGY POLICY DEV. AND CONSERVATION 936-5726.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
RENEWABLE ENERGY TRAINING 936-5732.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			60	0	3	0		500	0	4	0		40	0	0	0

COUNTRY: THAILAND

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																

A - ACTIVE B - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
BY GEOGRAPHIC AREA - BY FY THRU 88
LAST UPDATE: MAY 1984

EAST ASIA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ENERGY MANAGEMENT TRAINING																
931-1160.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
931-1160.		B	0	0	0	0	I	0	0	0	0	B	0	0	0	0
BIOENERGY SYSTEMS AND TECHNOLOGY																
936-5726.21		B	0	0	0	0	B	40	0	0	0	B	20	0	1	0
DECENTRALIZED HYDROPOWER																
936-5715.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5715.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
ALTERNATIVE ENERGY TRAINING																
936-5716.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
CONVENTIONAL ENERGY ASSISTANCE																
936-5724.		B	0	0	0	0	B	250	0	4	1	B	400	0	3	0
ENERGY POLICY DEV. AND CONSERVATION																
936-5728.		B	0	0	0	0	B	0	0	0	0	B	222	1	3	0
COUNTRY TOTAL:			0	0	0	0		250	0	8	1		622	1	7	0

COUNTRY: INDONESIA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
ENERGY MANAGEMENT TRAINING																
931-1160.		A	20	0	0	0	A	0	0	0	0	A	0	0	0	0
BIOENERGY SYSTEMS AND TECHNOLOGY																
936-5726.21		B	0	0	0	0	B	40	0	0	0	B	20	0	1	0
DECENTRALIZED HYDROPOWER																
936-5715.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5715.		B	0	0	0	0	B	10	0	1	0	B	0	0	0	0
RENEWABLE ENERGY TRAINING																
936-5732.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			20	0	0	0		50	0	3	0		20	0	1	0

COUNTRY: ASIA REGIONAL

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
LOW COST ENERGY TECHNOLOGY (VITA)																
936-5721.21		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5721.21		I	0	0	0	0	B	16	0	3	0	B	75	0	0	4

A - ACTIVE B - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
BY GEOGRAPHIC AREA - FY 84 THRU 88
LAST UPDATE: MAY 1984

EAST ASIA															
938-5715.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
RENEWABLE ENERGY APPLICATIONS															
938-5729.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
RENEWABLE ENERGY TRAINING															
938-5730.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
CONVENTIONAL - ENERGY TRAINING															
938-9997.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
938-9997.	B	0	0	0	0	B	750	0	1	50	B	552	0	0	50
COUNTRY TOTAL:		0	0	0	0		750	0	1	50		552	0	0	50
TOTAL FOR REGION:		100	0	4	3		1600	0	17	53		1605	1	12	54

COUNTRY ACTIVITY REPORT
BY GEOGRAPHIC AREA - FY 84 THRU 86
LAST UPDATE: MAY 1984

LATIN AMERICA

COUNTRY: GUYANA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
BIOENERGY SYSTEMS AND TECHNOLOGY 936-5709.01		P	0	0	0	0	P	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: BELIZE

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
BIOENERGY SYSTEMS AND TECHNOLOGY 936-5709.01		P	20	0	1	0	B	40	0	2	0	P	40	0	2	0
COUNTRY TOTAL:			20	0	1	0		40	0	2	0		40	0	2	0

COUNTRY: BOLIVIA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
CONVENTIONAL ENERGY ASSISTANCE 936-5724.		B	0	0	0	0	B	0	0	0	0	B	50	0	0	0
COUNTRY TOTAL:			0	0	0	0		0	0	0	0		50	0	0	0

COUNTRY: COSTA RICA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP

A - ACTIVE P - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
BY GEOGRAPHIC AREA - FY 84 THRU 86
LAST UPDATE: MAY 1984

LATIN AMERICA

ST/EY

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ENERGY MANAGEMENT TRAINING															
931-1160.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
BIOENERGY SYSTEMS AND TECHNOLOGY															
936-5726.01	A	0	0	0	0	A	0	0	0	0	A	20	0	1	0
936-5726.01	P	80	0	4	0	P	0	0	0	0	P	0	0	0	0
DECENTRALIZED HYDROPOWER															
936-5715.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5715.	P	0	0	0	0	P	10	0	1	0	P	0	0	0	0
CONVENTIONAL ENERGY ASSISTANCE															
936-5724.	A	0	0	0	0	A	250	0	3	1	A	0	0	0	0
ENERGY POLICY DEV. AND CONSERVATION															
936-5728.	P	0	0	0	0	P	0	0	0	0	P	0	0	0	0
RENEWABLE ENERGY TRAINING															
936-5732.	P	0	0	0	0	P	0	0	0	0	P	0	0	0	0
COUNTRY TOTAL:		80	0	4	0		260	0	4	1		20	0	1	0

COUNTRY: DOMINICAN REPUBLIC

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
ALTERNATIVE ENERGY TRAINING															
936-5716.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
RENEWABLE ENERGY TRAINING															
936-5732.	P	0	0	0	0	P	0	0	0	0	P	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: ECUADOR

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
CONVENTIONAL ENERGY ASSISTANCE															
936-5724.	P	0	0	0	0	P	50	0	0	0	P	100	0	0	0
ENERGY POLICY DEV. AND CONSERVATION															
936-5728.	P	0	0	0	0	P	0	0	0	0	P	0	0	0	0
RENEWABLE ENERGY APPLICATIONS															
936-5731.	P	0	0	0	0	P	0	0	0	0	P	0	0	0	0

A - ACTIVE P - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
BY GEOGRAPHIC AREA - FY 86 THRU 88
LAST UPDATE: AY 1984

LATIN AMERICA															
RENEWABLE ENERGY TRAINING 936-5732.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		50	0	0	0		100	0	0	0

COUNTRY: GUATEMALA

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
ENERGY MANAGEMENT TRAINING 931-1164.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: HAITI

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
ENERGY MANAGEMENT TRAINING 931-1164.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
ENERGY POLICY DEV. AND CONSERVATION 936-5728.	A	0	0	0	0	A	100	1	0	0	A	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		100	1	0	0		0	0	0	0

COUNTRY: HONDURAS

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
ENERGY MANAGEMENT TRAINING 931-1164.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
DECENTRALIZED HYDROPOWER 936-5715.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0

A - ACTIVE B - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
BY GEOGRAPHIC AREA - FY 84 THRU 86
LAST UPDATE: MAY 1984

LATIN AMERICA

COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: PANAMA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
	ST/EY															
	ENERGY MANAGEMENT TRAINING															
931-1160.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
931-1160.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
	RENEWABLE ENERGY TRAINING															
936-5732.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: PERU

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
	ST/EY															
	ENERGY MANAGEMENT TRAINING															
931-1160.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
	CONVENTIONAL ENERGY ASSISTANCE															
936-5724.		B	0	0	0	0	B	100	0	0	0	B	100	0	0	0
	ENERGY POLICY DEV. AND CONSERVATION															
936-5728.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		100	0	0	0		100	0	0	0

COUNTRY: VENEZUELA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
	ST/EY															
	DECENTRALIZED HYDROPOWER															
936-5715.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0

A - ACTIVE B - PLANNING MISSION APPROVAL

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COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: JAMAICA

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
ENERGY MANAGEMENT TRAINING 931-1160.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
BIOENERGY SYSTEMS AND TECHNOLOGY 936-5709.01	A	0	0	0	0	A	0	0	0	0	A	50	0	4	0
936-5709.01	I	0	0	0	0	I	0	0	0	0	B	0	0	0	0
ALTERNATIVE ENERGY TRAINING 936-5716.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
RENEWABLE ENERGY TRAINING 936-5730.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		50	0	4	0

COUNTRY: BARBADOS

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
ENERGY MANAGEMENT TRAINING 931-1160.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: CARIBBEAN REGIONAL

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
BIOENERGY SYSTEMS AND TECHNOLOGY 936-5709.01	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0

RENEWABLE ENERGY APPLICATIONS
A - ACTIVE I - PENDING MISSION APPROVAL

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936-5729.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: DOMINICA

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
DECENTRALIZED HYDROPOWER															
936-5715.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5715.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: LAC REGIONAL

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
LOW COST ENERGY TECHNOLOGY (VITA)															
936-5701.01	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5701.01	B	0	0	0	0	B	22	0	4	0	B	125	0	0	5
DECENTRALIZED HYDROPOWER															
936-5715.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
CONVENTIONAL ENERGY ASSISTANCE															
936-5724.	B	0	0	0	0	B	0	0	0	0	B	100	0	0	0
RENEWABLE ENERGY APPLICATIONS															
936-5726.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
RENEWABLE ENERGY TRAINING															
936-5732.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
CONVENTIONAL - ENERGY TRAINING															
936-9997.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-9997.	B	0	0	0	0	B	350	0	0	20	B	450	0	1	41
COUNTRY TOTAL:		0	0	0	0		372	0	4	20		675	0	3	46
TOTAL FOR REGION:		100	0	5	0		472	1	18	21		1065	0	18	46

A - ACTIVE B - PENDING MISSION APPROVAL

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AFRICA

COUNTRY: DJIBOUTI

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
ALTERNATIVE ENERGY TRAINING 936-5716.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
ENERGY POLICY DEV. AND CONSERVATION 936-5728.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: LESOTHO

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
ENERGY MANAGEMENT TRAINING 931-1150.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: MALAWI

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
CONVENTIONAL ENERGY ASSISTANCE 936-5724.		B	0	0	0	0	B	50	0	1	0	B	50	0	1	0
COUNTRY TOTAL:			0	0	0	0		50	0	1	0		50	0	1	0

A - ACTIVE B - PENDING MISSION APPROVAL

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AFRICA

COUNTRY: ZIMBABWE

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
DECENTRALIZED HYDROPOWER																
936-5715.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5715.		B	0	0	0	0	B	60	0	3	0	B	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		60	0	3	0		0	0	0	0

COUNTRY: KENYA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
ENERGY MANAGEMENT TRAINING																
931-1160.		A	7	0	0	1	A	0	0	0	0	A	0	0	0	0
PICOENERGY SYSTEMS AND TECHNOLOGY																
936-5726.01		B	20	0	1	0	B	20	0	1	0	B	40	0	0	0
RENEWABLE ENERGY TRAINING																
936-5730.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			27	0	1	1		20	0	1	0		40	0	0	0

COUNTRY: UGANDA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
ALTERNATIVE ENERGY TRAINING																
936-5716.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		0	0	0	0		0	0	0	0

A - ACTIVE B - PENDING MISSION APPROVAL

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AFRICA

COUNTRY: NIGERIA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
ENERGY MANAGEMENT TRAINING 931-1160.		A	7	0	0	1	A	0	0	0	0	A	0	0	0	0
ALTERNATIVE ENERGY TRAINING 936-5710.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			7	0	0	1		0	0	0	0		0	0	0	0

COUNTRY: LESOTHO

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
RENEWABLE ENERGY TRAINING 936-5730.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: BOTSWANA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
ENERGY MANAGEMENT TRAINING 931-1160.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
931-1160.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
RENEWABLE ENERGY APPLICATIONS 936-5729.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		0	0	0	0		0	0	0	0

A - ACTIVE B - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
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COUNTRY: CAPE VERDE

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
SUBTOTAL															
BIOENERGY SYSTEMS AND TECHNOLOGY 936-5709.01	P	0	0	0	0	P	0	0	0	0	P	0	0	0	0
ALTERNATIVE ENERGY TRAINING 936-5716.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: GHANA

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
SUBTOTAL															
ENERGY MANAGEMENT TRAINING 931-1160.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: SWAZILAND

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
SUBTOTAL															
DECENTRALIZED HYDROPOWER 936-5715.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

A - ACTIVE P - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
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COUNTRY: SOMALIA

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
ALTERNATIVE ENERGY TRAINING 936-5716.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
ENERGY POLICY DEV. AND CONSERVATION 936-5726.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: SUDAN

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
ENERGY MANAGEMENT TRAINING 931-1160.	A	15	0	0	0	A	0	0	0	0	A	0	0	0	0
BIOENERGY SYSTEMS AND TECHNOLOGY 936-5709.01	B	0	0	0	0	B	20	0	1	0	B	20	0	1	0
ALTERNATIVE ENERGY TRAINING 936-5716.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
CONVENTIONAL ENERGY ASSISTANCE 936-5724.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
RENEWABLE ENERGY TRAINING 936-5730.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:		15	0	0	0		20	0	1	0		20	0	1	0

COUNTRY: CAPE VERDE

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
RENEWABLE ENERGY TRAINING 936-5730.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0

A - ACTIVE B - PENDING MISSION APPROVAL

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COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: ZAIRE

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
ENERGY MANAGEMENT TRAINING 931-1160.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
DECENTRALIZED HYDROPOWER 936-5715.	B	0	0	0	0	B	20	0	0	0	B	0	0	0	0
ENERGY POLICY DEV. AND CONSERVATION 936-5728.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		20	0	0	0		0	0	0	0

COUNTRY: LIBERIA

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
ENERGY MANAGEMENT TRAINING 931-1160.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
BIOENERGY SYSTEMS AND TECHNOLOGY 936-5709.01	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
DECENTRALIZED HYDROPOWER 936-5715.	B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: GUINEA

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
DECENTRALIZED HYDROPOWER 936-5715.	B	30	0	3	0	B	10	0	1	0	T	0	0	0	0

A - ACTIVE B - PENDING MISSION APPROVAL

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COUNTRY TOTAL:	30	0	3	0	10	0	1	0	0	0	0	0

COUNTRY: NIGER

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
DECENTRALIZED HYDROPOWER 936-5715.		0	0	0	0		0	0	0	0		0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: SENEGAL

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
ENERGY MANAGEMENT TRAINING 931-1160.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
ALTERNATIVE ENERGY TRAINING 936-5716.	A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
RENEWABLE ENERGY TRAINING 936-5732.	I	0	0	0	0	P	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:		0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: MADAGASCAR

PROJECT TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY															
DECENTRALIZED HYDROPOWER 936-5715.	B	20	0	1	0	B	40	0	0	0	B	0	0	0	0
COUNTRY TOTAL:		20	0	1	0		40	0	0	0		0	0	0	0

A - ACTIVE B - PENDING MISSION APPROVAL

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AFRICA

COUNTRY: MALI

PROJECT	TITLE	ST/EY	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
936-5729.	RENEWABLE ENERGY APPLICATIONS		B	0	0	0	0	B	0	0	0	0	I	0	0	0	0
936-5730.	RENEWABLE ENERGY TRAINING		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:				0	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: TOGO

PROJECT	TITLE	ST/EY	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
936-5715.	DECENTRALIZED HYDROPOWER		B	70	0	3	0	B	30	0	2	0	B	0	0	0	0
COUNTRY TOTAL:				70	0	3	0		30	0	2	0		0	0	0	0

COUNTRY: BURUNDI

PROJECT	TITLE	ST/EY	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
931-1160.	ENERGY MANAGEMENT TRAINING		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5716.	ALTERNATIVE ENERGY TRAINING		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:				0	0	0	0		0	0	0	0		0	0	0	0

A - ACTIVE B - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
GEOGRAPHIC AREA - FY 84 THRU 86
LAST UPDATE: MAY 1984

AFRICA

COUNTRY: RWANDA

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
SI/EY																
ENERGY MANAGEMENT TRAINING 931-1160.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
DECENTRALIZED HYDROPOWER 936-5715.		B	60	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			60	0	0	0		0	0	0	0		0	0	0	0

COUNTRY: AFRICA REGIONAL

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
SI/EY																
LOW COST ENERGY TECHNOLOGY (VITA) 936-5701.01		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5701.01		B	0	0	0	0	B	25	0	5	0	B	150	0	0	0
DECENTRALIZED HYDROPOWER 936-5715.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
CONVENTIONAL ENERGY ASSISTANCE 936-5724.		B	0	0	0	0	B	0	0	0	0	B	200	0	4	0
RENEWABLE ENERGY APPLICATIONS 936-5729.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
RENEWABLE ENERGY TRAINING 936-5736.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
CONVENTIONAL - ENERGY TRAINING 936-9997.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-9997.		B	0	0	0	0	B	670	0	2	40	B	550	0	1	32
COUNTRY TOTAL:			0	0	0	0		695	0	7	40		900	0	5	40
TOTAL FOR REGION:			229	0	10	4		695	0	22	40		1010	0	9	40

A - ACTIVE B - PENDING MISSION APPROVAL

COUNTRY ACTIVITY REPORT
BY GEOGRAPHIC AREA - FY 84 THRU 88
LAST UPDATE: MAY 1984

OTEEP

COUNTRY: SO PACIFIC REGIONAL

PROJECT	TITLE	FY 1984 STATUS	FY 1984 AMT ($000)	FY 1984 STAF	FY 1984 #OF TDYS	FY 1984 #OF PTP	FY 1985 STATUS	FY 1985 AMT ($000)	FY 1985 STAF	FY 1985 #OF TDYS	FY 1985 #OF PTP	FY 1986 STATUS	FY 1986 AMT ($000)	FY 1986 STAF	FY 1986 #OF TDYS	FY 1986 #OF PTP
ST/EY																
CONVENTIONAL ENERGY ASSISTANCE																
936-5724.		A	0	0	0	0	A	0	0	0	0	A	0	0	0	0
936-5724.		B	0	0	0	0	B	0	0	0	0	B	0	0	0	0
COUNTRY TOTAL:			0	0	0	0		0	0	0	0		0	0	0	0
TOTAL FOR REGION:			0	0	0	0		0	0	0	0		0	0	0	0
OVERALL TOTAL: 4400			531	0	19	21		4201	1	64	134		4380	1	44	183

A - ACTIVE B - PENDING MISSION APPROVAL

Project Contributions By Regional Bureaus and Missions

Project Title & Number	Bureau/Mission	Amount of Funding FY 1985 ($000)	FY 1986 ($000)
Conventional Energy Training 936-9997	Morocco	$100	$100