GEN237

REPORT ON A.I.D. ENERGY ACTIVITIES
1978 - 1982
BASED ON FY 1982 A.I.D. CONGRESSIONAL PRESENTATION

PPC: April 1981

FY 1982 CONGRESSIONAL PRESENTATION
A.I.D. ENERGY ACTIVITIES
(IN $000)

CATEGORY	1978 ACTUAL	1979 ACTUAL	1980 ESTIMATED	1981 ESTIMATED	1982 BUDGET
Development Assistance					
Fuelwood	900	4,300	11,301	8,550	37,609
New and Renewable Energy	18,306	28,277	11,920	30,259	39,992
Fossil Fuels	3,874	1,220	4,721	13,700	15,642
Total DA	23,080	33,797	27,942	52,509	93,243
Economic Support Fund					
Fuelwood	-	-	-	-	-
New and Renewable Energy	-	276	785	2,000	2,500
Fossil Fuels	100	-	16,350	1,000	9,250
Total ESF	100	276	17,135	3,000	11,750
Total Development Assistance and Economic Support Fund	23,180	34,073	45,077	55,509	104,993

A.I.D. ENERGY ACTIVITIES
REGIONAL BUREAU PROGRAMS
RENEWABLE ENERGY, FUELWOOD AND FOSSIL FUELS
(IN $000)

	1978 ACTUAL	1979 ACTUAL	1980 ESTIMATED	1981 ESTIMATED	1982 BUDGET
Development Assistance					
Africa	8,269	6,000	11,402	12,439	15,547
Asia	13,502	11,975	3,791	2,895	31,811
LAC	511	6,847	2,487	18,805	27,985
NE	258	1,673	1,218	4,330	1,700
DS	540	7,302	9,044	14,040	16,200
PPC	-	-	-	-	-
Total DA	23,080	33,797	27,942	52,509	93,243
Economic Support Fund					
Africa	-	-	725	3,000	3,500
NE	100	276	16,410	-	8,250
Total Development Assistance and Economic Support Fund	23,180	34,073	45,077	55,509	104,993

A.I.D. ENERGY ACTIVITIES
REGIONAL BUREAU PROGRAMS
POWER GENERATION AND DISTRIBUTION
(IN $000)

	1978 ACTUAL	1979 ACTUAL	1980 ESTIMATED	1981 ESTIMATED	1982 BUDGET
Development Assistance					
Africa	-	-	-	-	-
Asia	93,400	74,000	19,300	25,000	25
LAC	10,305	12,620	10	50	25
NE	-	-	-	-	-
DSB	-	-	-	200	190
PDC	-	-	500	600	-
Total DA	108,705	86,620	19,810	25,850	240
Economic Support Fund					
NE	64,050	100,000	12,500	95,000	40,000
Total ESF	64,050	100,000	12,500	3,000	40,200
Total Development Assistance and Economic Support Fund	172,755	186,620	32,310	120,850	40,240

LIST OF AID ENERGY PROJECTS

FY 1982 CONGRESSIONAL PRESENTATION
OBLIGATIONS TO MEET SPECIAL CONCERNS
BY SPECIAL CONCERN, BY COUNTRY/OFFICE
AND BY PROJECT
(IN THOUSANDS OF DOLLARS)

SPECIAL CONCERN: ENERGY — RENEWABLE ENERGY, FUELWOOD, AND FOSSIL FUELS

		APPROP	1978 ACTUAL	1979 ACTUAL	1980 ACTUAL	1981 ESTIMATE	1982 REQUEST
BUREAU FOR AFRICA							
KENYA							
6150205	RENEWABLE ENERGY DEVELOPMENT	FN	---	---	3,402	1,118	---
CENTRAL & WEST AFRICA REGIONAL							
6250937	ACCELERATED IMPACT PROGRAMS (SAHEL)	SH	---	---	1,400	1,500	1,000
LESOTHO							
6320206	RENEWABLE ENERGY TECHNOLOGY	SD	---	1,600	---	---	---
GAMBIA, THE							
6350205	GAMBIA REFORESTATION	SD	---	1,101	---	---	---
GHANA							
6410106	ENERGY	SD	---	---	---	---	600
SUDAN							
6500039	PETROLEUM TRAINING	SD	---	---	200	---	---
6500041	VILLAGE RENEWABLE ENERGY	SD	---	---	---	382	2,000
CAPE VERDE							
6550005	SAL DESALINATION/POWER	SH	3,145	---	---	450	---
GUINEA-BISSAU							
6570005	FORESTRY MANAGEMENT	FN	---	---	---	---	500
MAURITANIA							
6820205	RENEWABLE RESOURCES MANAGEMENT	SH	250	325	275	320	---
6820220	REFORESTATION	SH	---	---	---	500	500
6820223	ALTERNATIVE ENERGY PROGRAMS	SH	---	---	---	700	800
NIGER							
6830039	SOLAR ENERGY	SH	500	---	---	---	---
6830230	NIGER FORESTRY AND LAND-USE PLANNING	SH	---	---	332	173	83
SENEGAL							
6850208	SMALL IRRIGATED PERIMETERS	FN	700	---	---	---	---
6850219	GREENBELT FUELWOOD PRODUCTION-PHASE I	SH	---	1,404	700	730	---
6850243	AFRICARE FORESTRY (PVO)	SH	---	---	126	---	---
6850246	RENEWABLE ENERGY PHASE II	SH	---	---	---	500	1,940
6850247	AFRICARE/PC VILLAGE WOODLOTS (PVO)	SH	---	---	212	---	---
UPPER VOLTA							
6860235	FORESTRY EDUCATION AND DEVELOPMENT	SH	---	525	1,350	1,125	1,460
MALI							
6880202	OPERATION MILS-(CROP PRODUCTION)	SH	220	---	---	---	---
6880213	ACTION DLE	SH	220	---	---	---	---
6880217	RENEWABLE ENERGY	SH	2,174	---	---	300	620

FY 1982 CONGRESSIONAL PRESENTATION
OBLIGATIONS TO MEET SPECIAL CONCERNS
BY SPECIAL CONCERN, BY COUNTRY/OFFICE
AND BY PROJECT
(IN THOUSANDS OF DOLLARS)

SPECIAL CONCERN: ENERGY — RENEWABLE ENERGY, FUELWOOD, AND FOSSIL FUELS

			APPROP	1978 ACTUAL	1979 ACTUAL	1980 ACTUAL	1981 ESTIMATE	1982 REQUEST
BURUNDI								
6950103	ALTERNATE ENERGY: PEAT II	SD		---	---	2,000	2,000	1,106
RWANDA								
6960117	RURAL WORKS	SD		---	---	---	---	255
AFRICA REGIONAL								
6980135	PROGRAM DEVELOPMENT AND SUPPORT	SD		440	478	600	650	600
6980407	IMPROVED RURAL TECHNOLOGY	FN		50	---	50	50	75
6980410	ACCELERATED IMPACT PROGRAM	FN		570	487	675	497	600
6980424	ENERGY INITIATIVE FOR AFRICA	SD		---	---	---	1,244	3,400
	TOTALS			8,269	6,000	11,402	12,439	15,547
BUREAU FOR ASIA								
NEPAL								
3670129	RURAL AREA DEVELOPMENT-RAPATI	EH		97	315	100	252	330
3670132	RESOURCE CONSERVATION AND UTILIZATION	FN		---	---	270	200	330
3670133	RADP/ACUP DESIGN PROJECT	FN		650	---	---	---	---
SRI LANKA								
3830055	REFORESTATION AND WATERSHED MANAGEMENT	FN		---	---	435	---	---
INDIA								
3860465	TECHNOLOGY FOR THE RURAL POOR	SD		1,330	---	---	---	---
3860474	ALTERNATIVE ENERGY RESEARCH DEVELOPMENT	SD		---	---	---	---	5,150
3860475	MADHYA PRADESH SOCIAL FORESTRY	FN		---	---	---	---	15,000
BANGLADESH								
3880018	KARNAPHULI THIRD UNIT	SD		2,500	7,000	---	700	---
PHILIPPINES								
4920294	NON-CONVENTIONAL ENERGY DEVELOPMENT	SD		8,650	---	---	---	---
4920357	COASTAL WATERSHED	FN		---	---	---	---	1,000
THAILAND								
4930294	HIGHLAND AREA DEVELOPMENT	FN		---	---	46	---	46
4930304	RENEWABLE NON-CONVENTIONAL ENERGY DEV	FN		---	1,500	1,500	---	---
4930324	SMALL SCALE HYDRO	FN		---	---	---	---	6,200
INDONESIA								
4970266	SCIENCE AND TECHNOLOGY/RESEARCH AND TRNG	SD		150	60	500	---	---
4970268	APPROPRIATE AND LOW COST TECHNOLOGY	FN		125	---	---	---	---
4970300	ENERGY MANPOWER AND TRAINING	EH		---	---	500	500	---
4970318	ENERGY PLANNING FOR DEVELOPMENT	SD		---	600	---	---	975
ASIA REGIONAL								

SPECIAL CONCERN: ENERGY — RENEWABLE ENERGY, FUELWOOD, AND FOSSIL FUELS

		APPROP	1978 ACTUAL	1979 ACTUAL	1980 ACTUAL	1981 ESTIMATE	1982 REQUEST
4900251	PRIVATE AND VOLUNTARY ORGANIZATIONS	FN	---	---	---	20	100
4980258	ASEAN	SD	---	---	440	900	340
4980262	ENERGY DEVELOPMENT AND SUPPORT CENTERS	SD	---	500	---	323	2,350
	TOTALS		13,502	11,975	1,791	2,895	31,811
BUREAU FOR LATIN AMERICA AND CARIBBEAN							
GUYANA							
5040090	ENERGY DEVELOPMENT	SD	---	---	---	---	1,000
BOLIVIA							
5110511	DEPARTMENTAL DEVELOPMENT CORPORATION	SD	---	1,000	---	---	---
COSTA RICA							
5150138	SCIENCE AND TECHNOLOGY	SD	---	1,350	---	---	---
5150139	DEVELOPMENT INFORMATION	SD	---	175	---	---	---
5150145	NATURAL RESOURCES	FN	---	365	250	---	---
5150174	LOCAL ENERGY DEVELOPMENT	SD	---	---	---	300	100
DOMINICAN REPUBLIC							
5170143	ENERGY POLICY DEVELOPMENT	SD	---	---	300	470	---
5170144	ENERGY CONSERVATION AND RESOURCES DEV	FN	---	---	---	5,000	---
ECUADOR							
5180023	FORESTRY AND NATURAL RESOURCES CONSERV	FN	---	---	---	---	1,000
5180029	ALTERNATIVE ENERGY SOURCES	SD	---	---	---	1,130	300
HAITI							
5210095	APPROPRIATE TECHNOLOGY	SD	200	---	100	100	---
HONDURAS							
5220157	RURAL TECHNOLOGIES	FN	---	115	400	350	700
5220172	FORESTRY DEVELOPMENT	FN	---	---	---	---	500
PANAMA							
5250190	PROGRAM DEVELOPMENT AND SUPPORT	SD	---	---	25	25	25
5250207	ALTERNATIVE ENERGY SOURCES	SD	---	500	125	200	---
PERU							
5270162	APPROPRIATE RURAL TECHNOLOGY	FN	80	80	---	---	---
5270176	RURAL ENTERPRISES II	FN	---	100	---	---	---
5270206	REFRSTN FOOD FOR WORK (SEPAS) - OPG	FN	---	---	19	15	---
5270226	SMALL HYDRO DEVELOPMENT	FN	---	---	---	9,300	200
JAMAICA							
5320000	PROGRAM DEVELOPMENT AND SUPPORT	SD	231	---	---	---	---
5320046	INTEGRATED RURAL DEVELOPMENT	FN	---	---	35	---	---
5320065	ENERGY MANAGEMENT	SD	---	---	---	---	6,000

		APPROP	1978 ACTUAL	1979 ACTUAL	1980 ACTUAL	1981 ESTIMATE	1982 REQUEST
OTHER WEST INDIES-EASTERN CARIBBEAN REG.							
5380000	PROGRAM DEVELOPMENT AND SUPPORT	SD	---	---	30	70	60
5380032	ALTERNATIVE ENERGY SYSTEMS	SD	---	2,050	80	300	1,600
REG OFFICE CEN AMER & PANAMA-ROCAP							
596000003	PROGRAM DEVELOPMENT AND SUPPORT	FN	---	---	25	25	25
5960089	FUELWOOD AND ALTERNATIVE ENERGY SOURCES	FN	---	500	745	1,300	1,400
5960095	ENERGY PRODUCTION	SD	---	---	---	---	300
5960103	FUELWOOD AND FORESTRY DEVELOPMENT	FN	---	---	---	---	12,300
LATIN AMERICA REGIONAL							
5980572	SCIENCE AND TECHNOLOGY INFO TRANSFER	SD	---	50	---	---	---
5980588	TRAINING FOR DEVELOPMENT	EH	---	---	50	50	75
5980606	ENERGY RESOURCES DEVELOPMENT	SD	---	692	303	200	400
	TOTALS		511	6,847	2,487	18,805	27,985
BUREAU FOR NEAR EAST							
N.E. REGIONAL-(DA)							
2980005	ENERGY	SD	---	400	---	---	---
2980035	PROJECT DEVELOPMENT AND SUPPORT	SD	100	153	70	80	200
MOROCCO							
6080159	RENEWABLE ENERGY	SD	---	---	600	1,500	1,500
TUNISIA							
6640300	SCIENCE AND TECHNOLOGY DEVELOPMENT I	SD	158	120	---	---	---
6640315	SCIENCE AND TECHNOLOGY (II)	SD	---	---	---	1,450	---
6640325	RENEWABLE ENERGY I	SD	---	1,000	548	---	---
6640326	RENEWABLE ENERGY II	SD	---	---	---	1,300	---
	TOTALS		258	1,673	1,218	4,330	1,700
BUREAU FOR DEVELOPMENT SUPPORT							
OFC. OF RURAL & ADMINISTRATIVE DEVEL.							
9311190	ALTERNATIVE RURAL DEVELOPMENT STRATEGIES	FN	---	---	4	5	---
OFC. OF ENVIRONMENT & NATURAL RESOURCES							
9311071	A I INTERNATIONAL	SD	---	---	455	535	1,200
9365519	FOREST RESOURCES MANAGEMENT	FN	---	---	630	---	900
936551901	FOREST RESOURCES MANAGEMENT	SD	---	---	770	500	---
9365531	DEFORESTATION SURVEY	FN	---	---	---	---	300
OFC. OF ENERGY							
9311160	TRAINING IN ENERGY MANAGEMENT	SD	---	630	760	650	500

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SPECIAL CONCERN: ENERGY — RENEWABLE ENERGY, FUELWOOD, AND FOSSIL FUELS

		APPROP	1978 ACTUAL	1979 ACTUAL	1980 ACTUAL	1981 ESTIMATE	1982 REQUEST
9365701	LOW COST TECHNOLOGY FOR RURAL POOR	SD	---	91	1,000	1,325	000
9365702	ENERGY TECHNICAL SERVICE SUPPORT	SD	540	----	500	400	600
9365703	ENERGY POLICY AND PLANNING ASSISTANCE	SD	---	990	1,498	1,000	1,100
9365709	BIORESOURCE - ENERGY PRODUCTION	SD	---	1,510	200	1,000	1,000
9365710	ENERGY PROD THROUGH PHOTOVALTAIC TECH	SD	---	2,000	500	1,000	1,000
9365711	RENEWABLE ENERGY SURVEY AND DEMONSTRAT	FN	---	250	600	600	---
9365715	SMALL DECENTRALIZED HYDROPOWER	FN	---	---	1,224	1,000	800
9365716	TRAINING IN ALTERNATIVE ENERGY TECH	SD	---	1,000	645	---	---
936571601	TRAINING IN ENERGY TECHNOLOGY	FN	---	---	---	400	800
9365720	ENERGY EFFICIENCY AND CONSERVATION	SD	---	---	8	500	---
9365724	CONVENTIONAL ENERGY ID AND SUPPORT	SD	---	---	250	2,600	4,200
9369997	CONVENTIONAL ENERGY TRNG AND PROGRAM SUP	SD	---	---	---	2,525	3,000
	TOTALS		540	7,102	9,044	14,040	16,200

ITEMS RETRIEVED 278

FY 1982 CONGRESSIONAL PRESENTATION
OBLIGATIONS TO MEET SPECIAL CONCERNS
BY SPECIAL CONCERN, BY COUNTRY/OFFICE
AND BY PROJECT
(IN THOUSANDS OF DOLLARS)

SPECIAL CONCERN: ENERGY — POWER GENERATION AND DISTRIBUTION

		APPROP	1978 ACTUAL	1979 ACTUAL	1980 ACTUAL	1981 ESTIMATE	1982 REQUEST
BUREAU FOR ASIA							
INDIA							
3860462	RURAL ELECTRIFICATION	FN	---	58,000	---	---	---
BANGLADESH							
3880021	RURAL ELECTRIFICATION	FN	21,000	13,000	19,300	---	---
3880054	RURAL ELECTRIFICATION II	FN	16,000	---	---	20,000	---
PHILIPPINES							
4920306	RURAL ELECTRIFICATION IV	FN	20,000	---	---	---	---
4920521	RURAL ELECTRIFICATION V	FN	8,400	---	---	---	---
INDONESIA							
4970267	RURAL ELECTRIFICATION I	FN	33,000	3,000	---	5,000	---
4970318	ENERGY PLANNING FOR DEVELOPMENT	SD	---	---	---	---	25
	TOTALS		98,400	74,000	19,300	25,000	25
BUREAU FOR LATIN AMERICA AND CARIBBEAN							
BOLIVIA							
5110534	NRECA-RURAL ELECTRIFICATION	FN	---	20	---	---	---
GUATEMALA							
5200248	RURAL ELECTRIFICATION	FN	---	6,600	---	---	---
HONDURAS							
5220138	RURAL ELECTRIFICATION	FN	10,000	---	---	---	---
PERU							
5270178	INTEGRATED REGIONAL DEVELOPMENT	FN	---	4,000	10	50	25
OTHER WEST INDIES-EASTERN CARIBBEAN REG.							
5380023	CARIBBEAN DEVELOPMENT FACILITY - OPG	SD	305	---	---	---	---
	TOTALS		10,305	12,620	10	50	25
BUREAU FOR DEVELOPMENT SUPPORT							
OFC. OF RURAL & ADMINISTRATIVE DEVEL.							
9311135	AREA DEVELOPMENT	FN	---	---	---	150	150
OFC. OF URBAN DEVELOPMENT							
9365402	RESOURCE ENERGY EFFICIENT CITIES	SD	---	---	---	50	40

OBLIGATIONS TO MEET SPECIAL CONCERNS
BY SPECIAL CONCERN, BY COUNTRY/OFFICE
AND BY PROJECT
(IN THOUSANDS OF DOLLARS)

SPECIAL CONCERN: ENERGY — ESF ENERGY ACTIVITIES

		APPROP	1978 ACTUAL	1979 ACTUAL	1980 ACTUAL	1981 ESTIMATE	1982 REQUEST
BUREAU FOR AFRICA							
DJIBOUTI, DEMOCRATIC REPUBLIC OF							
6030013	INFRA-STRUCTURE AND ENERGY INITIATIVES	ES	---	---	---	2,000	2,000
BOTSWANA							
6330209	RENEWABLE ENERGY TECHNOLOGY	ES	---	---	725	1,000	1,500
	TOTALS		---	---	725	3,000	3,500
BUREAU FOR NEAR EAST							
EGYPT							
2630016	APPLIED SCIENCE AND TECHNOLOGY RESEARCH	ES	---	276	60	---	---
2630023	NATIONAL ENERGY CONTROL CENTER	ES	17,000	---	2,500	---	---
2630026	TECHNOLOGY TRANSFER AND MANPOWER DEV II	ES	100	---	5,000	---	---
2630030	SHOUBRA THERMAL POWER PLANT	ES	---	100,000	---	80,000	---
2630033	URBAN ELECTRIC DISTRIBUTION SYSTEM	ES	29,000	---	10,000	---	---
2630105	MINERAL, PETROLEUM AND GROUNDWATER SURVEY	ES	---	---	10,350	---	8,250
2630123	UTILITY MANAGEMENT AND ENERGY POLICY	ES	---	---	---	15,000	---
2630148	ELECTRICAL POWER DISTRIBUTION EQUIP	ES	---	---	---	---	40,000
SYRIA							
2760018	RURAL ELECTRIFICATION	ES	18,050	---	---	---	---
	TOTALS		64,150	100,276	28,910	95,000	48,250

ITEMS RETRIEVED. 14

AND BY PROJECT
(IN THOUSANDS OF DOLLARS)

SPECIAL CONCERN: ENERGY — POWER GENERATION AND DISTRIBUTION

	APPROP	1978 ACTUAL	1979 ACTUAL	1980 ACTUAL	1981 ESTIMATE	1982 REQUEST
TOTALS		---	---	---	200	190
BUR. FOR PRIVATE AND DEVELOP COOPERATION						
PRIVATE AND VOLUNTARY COOPERATION						
9320117 NATIONAL RURAL ELEC COOP ASSN (NRECA)	SD	---	---	500	600	---
TOTALS		---	---	500	600	---

ITEMS RETRIEVED 16