

RESOURCES SUPPORT SERVICE AGREEMENT (RSSA)
BETWEEN AID AND DOE

Summary

Under this RSSA, DOE will provide technical, engineering and management expertise in energy areas as required by AID for the implementation of energy assistance activities in and for developing countries. Four types of support will be provided:

- 1) Consultants and experts for short-term duty either in U.S. or overseas,
- 2) Personnel to prepare general energy reports and to conduct studies and analyses required for a fuller understanding of the energy situation in developing countries and for the formulation of AID's energy assistance programs,
- 3) DOE personnel directly assigned to AID, and
- 4) Staff to administer the RSSA.

The RSSA will supply general manpower resources. The extent of AID's needs will be reviewed annually or more often if required and, as necessary, the RSSA will be modified. AID and DOE will mutually agree on the technical qualifications of personnel to meet AID-identified needs and on the selection of the specific personnel.

In addition to this RSSA, AID and DOE will enter into Participating Agency Service Agreements (PASAs) for specific energy assistance projects requiring DOE support. These PASAs will include, as appropriate, provision of manpower, acquisition of hardware, project management and operating expenses.

Provision of Short-Term Technical Consultants and Experts

DOE will make available to AID each year a specified number of man-months of services of consultants and experts. These services may be provided by DOE direct-hire professionals, employees of DOE - administered national laboratories, contractors for on-going DOE projects and contractors under various Indefinite Quantity Contracts with DOE. Under this element of the RSSA, DOE will provide timely response to specific requests for technical advice, evaluations and appraisals of proposed energy projects, technical consultation for on-going projects, assistance in designing energy projects and other needed services.

The services of these technical experts will be needed both in AID/ Washington and overseas.

AID will provide funds to cover salaries, travel, per diem and overhead expenses for the experts requested.

The number of man-months of short-term technical services anticipated for the subsequent year will be determined by AID by the end of June of each year.

For FY 79 AID anticipates a need of 24 person-months of short-term technical support.

Preparation of General Energy Reports

For AID, DOE will produce a series of reports on the overall general energy situation in and for developing countries. The reports will be comprehensive publications covering such topics as the impact of energy on economic development, food production and balance of payments and an assessment of present conditions, future needs and of attractive technical

options to increase energy production. These studies will make use of available data and, except where agreed upon in advance, would not entail visits to the countries themselves. The studies will serve as resource documents for all concerned with the impact of energy conditions on economic development. Five studies will be completed in FY 79. Work will be reviewed by AID/Washington before publication.

Direct Assignment of DOE Personnel to AID

DOE personnel on assignment to AID/Washington will assist in the development and management of individual energy assistance projects and energy components of larger assistance activities. Each person will be assigned to AID for a two-year period, subject to recall by the Department of Energy on 30 days notice. Re-assignment will be permissible.

The official duty position will be in the Office of Energy of the Development Support Bureau of AID/Washington. As needed and as appropriate, the personnel might be seconded by the Office of Energy to other elements of AID.

By the end of June of each year, AID will provide DOE with the number and qualifications of the personnel needed for the subsequent fiscal year.

The initial need is for one person knowledgeable in urban energy needs, in particular solar heating and cooling of moderate-to-large buildings. He/she will work with the Office of Energy, in conjunction with the Offices of Housing and Urban Development, to develop a program that would (1) demonstrate the technology in hospitals, schools, housing developments and public buildings in selected major cities of the developing countries and (2) incorporate the technology into the on-going activities of the

Office of Housing (principally, the loan guarantee program). The work will involve architecture, urban planning, interaction with the private sector in developing countries and, in addition to the technical aspects of solar heating and cooling, broader areas of energy use and conservation in urban applications. The duties of the incumbent will include liaison between AID and DOE in urban energy applications, in solar heating and cooling and in other energy areas relevant to AID's assistance efforts.

Administrative Staff

DOE will provide an administrative staff to furnish administrative support, including processing of implementation papers for this RSCSA and any PASAs, arranging security and medical clearances of DOE-supported personnel, handling travel, acquiring visas, preparing budgets and coordinating personnel actions.

Budget and Personnel

FY 79

<u>Title</u>	<u>Grade</u>	<u>Man-Months</u>	
Direct Assignment to AID Urban Energy, Solar Heating/Cooling	15	12	\$36,171
Short-Term Technical Consultants	14	24	65,600
General Energy Reports Senior Energy Analyst	14	12	34,850
Energy Analysts	12	24	49,600
Administration Chief, AID/RSSA	14	12	34,850
Administrative Assistant	12	12	24,799
Secretary	6	12	12,581

Personal Compensation	\$264,000
Benefits at 25 Percent	70,000
(a) Travel and Transportation	90,000
Rent, Communications & Utilities	25,000
Printing, Reproduction	30,000
(b) Other Services	50,000
Supplies	5,000
Equipment	<u>5,000</u>
Total	\$539,000

(a) Primarily Short-Term for Support of Technical Consultants.

(b) Contractural Services for Short Studies, Graphic Support, etc.

AGENCY FOR INTERNATIONAL DEVELOPMENT

PROJECT PAPER FACESHEET

TRANSACTION CODE

A ADD
C CHANGE
D DELETE

PP

DOCUMENT CODE

3

3. COUNTRY ENTITY
World-Wide

4. DOCUMENT REVISION NUMBER

5. PROJECT NUMBER (7 digits)
931-1083

6. BUREAU/OFFICE

A. SYMBOL B. CODE

7. PROJECT TITLE (Maximum 40 characters)

Technical Support from DOE

8. ESTIMATED FY OF PROJECT COMPLETION

FY

9. ESTIMATED DATE OF OBLIGATION

A. INITIAL FY 78

B. QUARTER 4

C. FINAL FY

Enter 1, 2, 3, or 4.

10. ESTIMATED COSTS \$000 OR EQUIVALENT \$ -

A. FUNDING SOURCE	FIRST FY			LIFE OF PROJECT		
	B. FX	C. LC	D. TOTAL	E. FX	F. LC	G. TOTAL
AID APPROPRIATED TOTAL	539		539			Continuing
GRANT:						
LOAN:						
OTHER U.S.:						
HOST COUNTRY:						
OTHER DONORS:						
TOTALS	539		539			Continuing

11. PROPOSED BUDGET APPROPRIATED FUNDS \$000

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	PRIMARY TECH CODE		E. 1ST FY 78		H. 2ND FY		K. 3RD FY	
		C. GRANT	D. LOAN	F. GRANT	G. LOAN	GRANT	LOAN	GRANT	LOAN
(1)				539					
(2)									
(3)									
(4)									
TOTALS				539					

A. APPROPRIATION	N. 4TH FY		O. 5TH FY		LIFE OF PROJECT		12. IN-DEPTH EVALUATION SCHEDULE
	C. GRANT	P. LOAN	H. GRANT	S. LOAN	T. GRANT	U. LOAN	
(1)							MM YY 06 810
(2)							
(3)							
(4)							
TOTALS							

13. DATA CHANGE INDICATOR. WERE CHANGES MADE IN THE PID FACESHEET DATA BLOCKS 12, 13, 14, OR 15 OR IN PRP FACESHEET DATA, BLOCK 12? IF YES, ATTACH CHANGED PID FACESHEET.

1. YES
2. NO

14. ORIGINATING OFFICE CLEARANCE

SIGNATURE: *Alan B. Jacobs*
 Alan B. Jacobs
 TITLE: Director, DS/Office of Energy
 DATE SIGNED: 013 1 6 7 8

15. DATE DOCUMENT RECEIVED IN AID, W OR FOR AID, W DOCUMENTS, DATE OF DISTRIBUTION

Technical Support from the
Department of Energy

	<u>Page</u>
Part I - Summary	
A. Recommendation	1
B. Description of Project	1
C. Summary Findings	1
D. Issues	2
Part II - Project Background and Detailed Description	
A. Background	3
B. Detailed Description	4
Part III - Project Analysis	
A. Technical	7
B. Financial, Plan and Budget	9
C. Social/Economic	10
D. Environmental	11
E. Relationship to Other Agency Activities	11
Part IV - Implementation Planning	
A. Administrative Arrangements	12
B. Implementation Plan	12
C. Evaluation Plan	12
D. Logical Framework Matrix	13
Annexes	
A. Exerpts from the Report to Congress on Organizations of US Energy Assistance - January 1978	Tab A
B. Extracts of AID's Authorization for Energy Assistance	Tab B
C. Agreements between AID and DOE:	Tab C-

- (1) Memorandum of Understanding (MOU), November 1976
(2) General Agreement, September 1977

Part I Summary

A. Recommendation

That a Resources Support Service Agreement (RSSA) be arranged between the Agency for International Development (AID) and the Department of Energy (DOE) whereby DOE will provide AID with technical advice and services needed in AID's assistance programs. The RSSA will be funded for \$539,000 in FY 78, with periodic reviews and additional funding to be added in succeeding years.

B. Description of Project

Through this RSSA, AID will fund DOE to provide general manpower resources needed for AID's energy assistance activities: short-term technical consultants and experts, a group to conduct general studies of the energy position of developing countries, direct-hire details to AID/Washington and an administrative staff needed to implement the RSSA. An annual review will determine AID's anticipated need for the succeeding year.

The initial funding (FY 78) of \$539,000 will provide a total of nine (9) person-years of DOE support to AID for FY 79. This total is composed of the following elements:

Short-term Consultants	2 person-years
General Energy Studies	3 person-years
Direct-hire Details	1 person-year
Administrative Staff	3 person-years

The funds of the RSSA will cover salaries, travel, per-diem and overhead expenses for the personnel involved (both direct-hire DOE and contractors).

AID's Office of Energy will manage the RSSA which will provide technical support to the entire Agency. The implementing unit in DOE will be in the Office of International Affairs but it will have access to the entire spectrum of DOE technical expertise.

C. Summary Findings

AID has a growing need for a wide range of technical expertise including that available in and through DOE. A RSSA between AID and DOE would be a flexible mechanism whereby DOE would provide appropriate support to AID in its energy assistance activities. The RSSA should be reviewed periodically to assure that the type and level of support suit the existing and anticipated need.

D. Issues

1. Is the technical expertise available in and through DOE suited to AID's needs?

DOE is principally interested in US and industrialized country energy needs. If AID is exclusively concerned with small-scale energy devices to be used directly by the rural poor, then there is not much suitable expertise in DOE. The extent of AID's interest in national energy needs, new approaches to rural electrification and innovative technologies with potential applications in the US would determine the degree to which the technical expertise available from DOE is relevant to AID's efforts.

2. Will DOE's Office of International Affairs be able to acquire the needed resources from the technical, operational divisions of DOE?

The mechanism proposed for the RSSA is that DOE's Office of International Affairs be the central unit for AID's access to DOE technical expertise. Many of the desired technical experts are employed in the technical divisions of DOE with, perhaps, little to gain from extensive involvement with developing countries. Consequently support to AID might be given low priority and the best technicians might not be available to AID.

Part II - Project Background and Detailed Description

A. Background

The need for assistance to the developing countries in the area of energy is manifest. The Agency is beginning to respond in an aggressive fashion to this situation, preparing activities in both commercial and non-commercial energy. Since the growing efforts of the Agency will cover a broad spectrum of energy activities, the Agency has an increasing requirement for an equally broad spectrum of technical support and service. Experts must be available in areas ranging from small energy devices (e.g. a solar crop dryer) to planning national energy programs.

Various mechanisms are being developed to provide the technical support the Agency requires. These will include Indefinite Quantity Contracts (IQCs) in both technology and planning/analysis, arrangements with universities and the establishment of regional energy advisory groups staffed by contract personnel. This project will enable AID to acquire the expertise of the Department of Energy (DOE).

In January 1978 the Agency presented a report to Congress on the organization of programs of energy assistance to the developing countries. The report recommended that: (Annex A)

- Section 119 bilateral programs for cooperation with developing countries in energy production and conservation be the responsibility of AID as the lead agency, with DOE as the principal supporting agency particularly providing technical services and with the overall foreign policy guidance of the State Department.
- AID organize a small core of high quality professional staff in the energy field to utilize effectively resources from DOE, other agencies, the private sector and international organizations, and to relate the programs to other aspects of development cooperation.
- Appropriate organizational arrangements, with due attention to funding and staffing support, be established within DOE to provide services to AID for LDC energy development under Section 119. These services may include energy planning assistance, technical project design, technical advice, assistance in program implementation, evaluation and direct participation in overseas operations. Presently, there are two agreements between AID and DOE -- a Memorandum of Understanding (November 1976) and a General Agreement (September 1977) -- under which the two agencies have begun active work. These agreements are being reviewed by the two organizations to see how they can be effectively utilized for Section 119 programs.

(Section 119 of the Foreign Assistance Act, Annex B, authorizes programs of energy production and conservation with a particular emphasis to be placed on the use of renewable resources in decentralized applications for rural development.)

B. Detailed Description

Under the project AID and DOE will enter into a Resources Support Service Agreement (RSSA) under which DOE will provide three types of technical support and service to AID:

1. Technical experts needed for short-term assignments in U.S. or overseas will be provided by DOE.
2. A studies and analysis group in DOE will be supported to prepare general energy reports required for a full understanding of the energy activities in developing countries.
3. A limited number of direct-hire DOE personnel will be assigned to work in AID/Washington.

In addition AID will support the small staff needed in DOE to administer this RSSA.

The RSSA will provide general manpower resources. Specific energy assistance projects requiring DOE support will be conducted under individual Participating Agency Service Agreements (PASAs) arranged for each specific project.

Each type of technical support and service is discussed below.

Provision of Short-Term Technical Consultants and Experts

DOE will make available to AID each year a specified number of man-months of services of consultants and experts. These services may be provided by DOE direct-hire professionals, employees of DOE - administered national laboratories, contractors for on-going DOE projects and contractors under various Indefinite Quantity Contracts with DOE. Under this element of the RSSA, DOE will provide timely response to specific requests for technical advice, evaluations and appraisals of proposed energy projects, technical consultation for on-going projects, assistance in designing energy projects and other needed services.

The services of these technical experts will be needed both in AID/Washington and overseas.

AID will provide funds to cover salaries, travel, per diem and overhead expenses for the experts requested.

The number of man-months of short-term technical services anticipated for the subsequent year will be determined by AID by the end of June of each year.

Preparation of General Energy Reports

For AID, DOE will produce a series of reports on the overall general energy situation in and for developing countries. The reports will be comprehensive publications covering such topics as the impact of energy on economic development, food production and balance of payments and an assessment of present conditions, future needs and of attractive technical options to increase energy production. These studies will make use of available data and, except where agreed upon in advance, would not entail visits to the countries themselves. The studies will serve as resource documents for all concerned with the impact of energy conditions on economic development. Work will be reviewed by AID/Washington before publication. Necessary foreign travel will be supported by the funds in the RSSA.

Direct Assignment of DOE Personnel to AID

DOE personnel on assignment to AID/Washington will assist in the development and management of individual energy assistance projects and energy components of larger assistance activities. Each person will be assigned to AID for a two-year period, subject to recall by the Department of Energy on 30 days notice. Re-assignment will be permissible.

The official duty position will be in the Office of Energy of the Development Support Bureau of AID/Washington. As needed and as appropriate, the personnel might be seconded by AID's Office of Energy to other elements of AID.

By the end of June of each year, AID will provide DOE with the number and qualifications of the personnel needed for the subsequent fiscal year.

Administrative Staff

DOE will provide an administrative staff to furnish administrative support, including processing of implementation papers for this RSSA and any PASAs, arranging security and medical clearances of DOE-supported personnel, handling travel, acquiring visas, preparing budgets and coordinating personnel actions.

This is intended to be a continuing activity between AID and DOE. The extent of AID's needs will be reviewed annually or more often if required and, as necessary, the RSSA will be modified. AID and DOE will mutually agree on the technical qualifications of personnel to meet AID-identified needs and on the selection of the specific personnel.

For FY 79, AID anticipates support needs as follows:

1. Two person-years of short-term technical support.
2. Three person-years devoted to studies and analyses with five studies to be completed in FY 79.
3. One DOE direct-hire detailed to AID/Washington to work on urban energy needs, in particular solar heating and cooling of buildings.
4. Three persons in the administrative staff (chief, assistant and secretary).

Part III - Project Analysis

A. Technical

AID has always supported energy activities in developing countries. These have traditionally been electrification projects covering generation, transmission and distribution. With the advent of the New Directions for foreign assistance, the Agency continued to support transmission to and distribution in rural areas of developing countries but, with the exception of Security Supported countries, we did not finance central generation. The total annual budget for the electrification activities of the Agency is between \$100 to \$200 million. This includes Security-Supported countries.

The escalation of oil prices following the oil embargo of 1974 resulted in significant Congressional concern for the impact of high energy prices on developing countries. As a consequence a definite change in emphasis was mandated for AID's energy activities:

to help LDCs alleviate their energy problems through increased protection and conservation, national assessments of energy supply and demand, and pilot tests of new technologies, and

to encourage the use of small-scale technologies using renewable energy resources, especially in rural development efforts.

To respond to these mandates AID will need the advice and service of a broad range of technical experts. These experts will be needed to assist AID in, for example,

- energy planning assistance,
- technical project design
- technical advice,
- assistance in program implementation,
- evaluation, and
- direct participation in overseas operations.

AID has been strongly encouraged by Congress to use the expertise resident in or available through DOE.

The DOE, although its organization is still incomplete, does have considerable expertise relevant to AID's needs. DOE professionals and their national laboratories, in particular Brookhaven National Laboratory, are experts in the systematic analysis of national energy needs.

Several technology development activities of DOE will provide potentially useful technologies for application to developing countries. These include wind-powered electrical generation units, either as isolated units or integrated into utility systems. A 200 Kw unit, for example, is currently being tested in Puerto Rico. If successful, it should be very appropriate for use on many Caribbean islands for the generation of electricity for public utilities.

DOE has a reasonably small but active program in the conversion of biomass into energy. Knowledge gained in this work will be important for AID's efforts to make fuller use of biomass energy resources.

The DOE program in photovoltaics will produce cheaper solar cells that will improve the attractiveness of this technology in developing countries. Additional solar technologies receiving heavy emphasis from DOE that would be useful to AID include solar air conditioning and refrigeration, solar water heaters and solar thermal engines.

A very important contribution can be made by DOE's expertise in energy conservation techniques. Energy saved by industries in developing countries can be applied to national development needs. Urban development that makes full use of the energy consumed will significantly advance the progress of the people in urban areas.

Elements of DOE's expertise will certainly be relevant to AID's needs. A major question that must be asked however is the degree to which DOE will respond to AID's needs. When all the rhetoric is cast aside, the developing countries will (1) rely upon proven approaches to supplying needed energy or (2) primarily need new technologies and new approaches that are appropriate to their needs as countries in development and not appropriate to the needs of developed countries with established energy infrastructure. Because of this, most of AID's work will not be in technical areas that DOE is primarily concerned with. It is probable therefore that the best technical expertise in DOE will be applied to their prime concerns and that AID interests will be only of secondary importance. To assure that the DOE support provides the most relevant skills is the responsibility of both AID and DOE.

B. Financial Plan and Budget

This project will support a continuing relationship with DOE. Each year, AID/DS/EY will determine the Agency-wide anticipated needs for the services to be provided by DOE under the RSSA and will arrange for the transfer of appropriate funds to DOE.

FY 79 needs will require that DOE provide the following personnel:

<u>Title</u>	<u>Grade</u>	<u>Man-Months</u>	
Direct Assignment to AID Urban Energy, Solar Heating/Cooling	15	12	\$36,171
Short-Term Technical Consultants	14	24	65,600
General Energy Reports Senior Energy Analyst	14	12	34,850
Energy Analysts	12	24	49,600
Administration Chief, AID/RSSA	14	12	34,850
Administrative Assistant	12	12	24,799
Secretary	6	12	12,581

The budget for the FY 79 activities is as follows:

Personal Compensation	\$264,000
Benefits at 25 Percent	70,000
(a) Travel and Transportation	90,000
Rent, Communications & Utilities	25,000
Printing, Reproduction	30,000
(b) Other Services	50,000
Supplies	5,000
Equipment	<u>5,000</u>
Total	\$539,000

(a) Primarily Short-Term for Support of Technical Consultants.

(b) Contractural Services for Short Studies, Graphic Support, etc.

C. Social/Economic

The people of the developing countries need increased supplies of energy to continue their development progress. Since AID's interest in energy encompasses a very wide range of activities, the Agency needs a wide range of experts to assist in designing and conducting appropriate energy assistance efforts. The success of these efforts will depend on the ability to acquire in a timely way the needed technical expertise. This RSSA will provide access to the broad range of DOE skills that will be needed by AID.

The project itself however has no direct social or economic impact on the development of the developing countries. As such it warrants no detailed social and economic analysis. Individual assistance activities that will profit from the technical input of the experts to be provided by the RSSA will, of course, require detailed social and economic analysis.

D. Environmental

The project will provide technical manpower resources for AID's energy activities. The project itself will have no direct environmental impact. The technical experts will conduct general energy studies and assist in designing and developing Agency energy assistance efforts. These individual efforts will receive full environmental examinations as they are developed.

E. Relationship to Other Agency Activities

This project will provide AID with general manpower and technical expertise available in the DOE. AID's energy interests are however broader than the range of DOE expertise.

For example, AID is very interested in small-scale devices such as wood burning cook stoves and family sized solar stills. Also AID is very concerned with deforestation in LDCs and will be increasing its efforts in reforestation and village wood lots. Finally AID will be very concerned with the financial institutions and educational aspects of energy activities in LDCs; e.g. the establishment of credit mechanisms to facilitate the purchase of energy technology, the creation of cooperatives to organize and operate rural energy utilities, and vocational training for energy technicians.

These examples indicate that AID will need additional mechanisms to acquire the wide range of needed technical expertise in energy. These mechanisms will include Indefinite Quantity Contracts (IQCs), cooperative arrangements with universities, contracts with other organizations both private and public, and grants to private voluntary groups active in appropriate energy technology

-11-

In addition AID and DOE are expected to enter into PASAs for the implementation of specific energy assistance projects.

Part IV - Implementation Planning

A. Administrative Arrangements

DSB's Office of Energy (DS/EY) will manage this single RSSA under which the Agency will acquire general manpower resources from DOE. In addition to this RSSA, AID and DOE will enter into Participating Agency Service Agreements (PASAs) for specific energy assistance projects requiring DOE support. These PASAs will include, as appropriate, provision of manpower, acquisition of hardware, project management and operating expenses. The PASAs will be developed jointly by DS/EY and the requesting Agency office or mission but project management of the PASA will be the responsibility of the requesting office or mission.

DOE's implementing agent will be located in the Office of International Affairs. A unit reporting to the Deputy Assistant Secretary for International Policy Development will contain the staff needed to administer the RSSA and the studies/analyses group. The technical consultants and experts and the direct-hire DOE personnel will be provided by the technical divisions of DOE or through contracts.

B. Implementation Plan

After discussions and meetings with Regional Bureau representatives, DS/EY prepared a draft version of the RSSA for review by DOE. Some of the changes suggested during the review were incorporated into a second version which was informally approved by DOE in early August. As a consequence no difficulty is anticipated in obtaining formal approval of the RSSA. FY 78 funds will be applied to services to be provided in FY 79.

Agency requests for support will be submitted by DS/EY. Depending upon the individual case, discussions among DS/EY, the requesting AID office or mission and DOE's implementing unit will result in the identification of the needed technical expert or the definition of the needed service.

In June 1979, DS/EY will review the year's activities under the RSSA and determine the extent and nature of the Agency's needs for FY 80. Necessary modifications will be incorporated into the RSSA. Funds required for FY 80 operations will be added.

C. Evaluation Plan

This will be a continuing activity with DOE. In June of each year DS/EY will conduct a review of that year's operations to determine changes necessary for the coming fiscal year. This review will include a representative of each Regional Bureau and of interested Central Bureaus. Every second year (1980, 82, etc) a formal evaluation will be conducted which will result in a recommendation to continue or to terminate the RSSA.

**PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK**

Life of Project:
From FY _____ to FY _____
Total U.S. Funding _____
Date Prepared: _____

Project Title & Number: Technical Support from the Department of Energy

NARRATIVE SUMMARY	OBJECTIVE / MEASURABLE INDICATORS	MEANS OF VERIFICATION	IMPORTANT ASSUMPTIONS
<p>Program or Sector Goal: The broader objective to which this project contributes:</p> <p>To help developing countries alleviate their energy problems.</p>	<p>Measures of Goal Achievement:</p> <p>Increased attention to energy needs and supplies for the development of developing countries; greater bilateral and multilateral energy assistance to developing countries</p>	<p>National Development Plans Requests to AID and Development Banks Work Bank and other global reports</p>	<p>Assumptions for achieving goal targets:</p> <p>LDCs need technical & financial assistance to meet energy needs. US expertise in energy is relevant to LDC energy needs. Other donors will cooperate in energy assistance.</p>
<p>Project Purpose:</p> <p>To provide needed technical input to energy assistance programs.</p>	<p>Conditions that will indicate purpose has been achieved: End of project status.</p> <p>Energy assistance programs and projects include proper technical analysis and evaluation. Energy components of other assistance projects are fully considered. Innovative approaches are being used in AID's energy-related efforts.</p>	<p>Annual Budget Submissions Project Papers and PIDs</p>	<p>Assumptions for achieving purpose:</p> <p>DOE assistance will be relevant to and used by AID planners. AID planners will develop imaginative energy assistance efforts.</p>
<p>Outputs:</p> <p>Technical consultants and experts supporting AID's energy assistance efforts.</p> <p>Reports on the energy position of developing countries.</p> <p>Direct-hire DOE personnel managing appropriate AID activities.</p> <p>Administrative Support from DOE.</p>	<p>Magnitude of Outputs:</p> <p>For FY 79: 2 person-years of technical consultant service. 5 general reports on the energy position of developing countries. 1 direct-hire DOE personnel working with AID on urban energy needs. 3 person-years of administrative support.</p>	<p>Annual Review Semi-annual Statement Trip Reports Reports and Studies</p>	<p>Assumptions for achieving outputs:</p> <p>DOE technical divisions will provide needed experts. Advance notice of need will be provided by AID.</p>
<p>Inputs:</p> <ol style="list-style-type: none"> AID financing. DOE direct-hire personnel Contractors provided by DOE 	<p>Implementation Target (Type and Quantity)</p> <p>For FY 79-1: \$599,000</p> <ol style="list-style-type: none"> DOE personnel as follows: a. Administrative staff - 3 pers-yrs, b. General Reports - 1 pers-yrs, c. Direct-hire on detail to AID - 1 pers-yr, d. Technical Experts - as necessary. As necessary <p>(Total for 2 and 3 - 9 person-years)</p>	<p>Vouchers</p>	<p>Assumptions for providing inputs:</p> <p>DOE will provide direct-hire positions to be financed by AID.</p>

ANNEX A

Excerpts from the Report to Congress on Organizations of US Energy Assistance January 1978

In response to the requirements of Section 119 of the Foreign Assistance Act, AID in coordination with DOE conducted a review of options for organizing US efforts of energy assistance to developing countries. The National Academy of Public Administration (NAPA) conducted the review and presented its report entitled "Energy Organization Options" (copies are available from DS/EY)

The recommendations of the report were considered by the three agencies involved, AID, DOE and State and their subsequent recommendations, with the consent of the Development Coordination Committee, were presented to Congress as the required report.

The letter from the Administrator to Congress (January 31, 1978) is attached. In brief, it contains three recommendations:

- (1) That AID be the lead agency for bilateral programs for cooperation with developing countries in energy production and conservation with DOE as the principal technical supporting agency,
- (2) That AID organize a core staff on energy to utilize resources from DOE, other US agencies and other sources and to relate the programs to other aspects of development cooperation, and
- (3) That appropriate organizational arrangements, with due funding and staffing, be established within DOE to provide services to AID.

The letter explains that the services to be provided may include:

- (1) Energy planning assistance,
- (2) Technical project design,
- (3) Technical advice,
- (4) Assistance in program implementation,
- (5) Evaluation, and
- (6) Direct participation in overseas operations.

DEPARTMENT OF STATE
AGENCY FOR INTERNATIONAL DEVELOPMENT
WASHINGTON, D. C. 20523

OFFICE OF
THE ADMINISTRATOR

January 21, 1978

Honorable Thomas P. O'Neill, Jr.
Speaker of the House
U.S. House of Representatives
Washington, D.C. 20515

Dear Mr. Speake

In compliance with Section 119 of the Foreign Assistance Act of 1961, as amended, the Agency for International Development (A.I.D.) in cooperation with the Department of Energy (DOE) has reviewed options for the organization of government to respond effectively to the energy needs of the poor countries, particularly for renewable and unconventional sources of energy. Our recommendations are made below.

A separate report, which will be submitted to Congress by March 1, 1978, will contain in greater detail an analysis of the energy needs, uses and resources of the developing countries.

Under contract with A.I.D., the National Academy of Public Administration (NAPA) conducted the principal study of organizational options, including the option for establishment of an International Energy Institute. NAPA had complete freedom of inquiry and judgement within the terms of a mutually agreeable scope of work as appended (Tab A).

Representatives of A.I.D., DOE and others made extensive oral and written representations to the contractor, and critically reviewed drafts of the NAPA study. A copy of the NAPA final report is enclosed (Tab B); the views expressed in it are those of the contractor and do not necessarily represent the views of any government agency.

The executive agencies recognize the important role of the private sector, both in the U.S. and in developing countries, in the development and utilization of energy technologies under Section 119. Although the NAPA report does not emphasize this area, the agencies are giving careful consideration to ways to incorporate private sector participation as an integral part of the planning and implementation of Section 119 programs.

The NAPA study and the recommendations contained in this report have been reviewed for the Executive Branch by the Development Coordination Committee. The comments of the Development Coordination Committee are enclosed (Tab C).

After careful consideration of the objectives of Section 119 and the enclosed material, we recommend that:

- Section 119 bilateral programs for cooperation with developing countries in energy production and conservation be the responsibility of A.I.D. as the lead agency, with DOE as the principal supporting agency particularly providing technical services and with the overall foreign policy guidance of the State Department.
- A.I.D. organize a small core of high quality professional staff in the energy field to utilize effectively resources from DOE, other agencies, the private sector and international organizations, and to relate the programs to other aspects of development cooperation.
- Appropriate organizational arrangements, with due attention to funding and staffing support, be established within DOE to provide services to A.I.D. for LDC energy development under Section 119. These services may include energy planning assistance, technical project design, technical advice, assistance in program implementation, evaluation and direct participation in overseas operations. Presently, there are two agreements between A.I.D. and DOE -- a Memorandum of Understanding (November 1976) and a General Agreement (September 1977) -- under which the two agencies have begun active work. These agreements are being reviewed by the two organizations to see how they can be effectively utilized for Section 119 programs.

As the NAPA report points out, designating A.I.D. as the lead agency takes advantage of its unique experience with technology diffusion and its existing capacity to work closely with LDC institutions. More than any of the other nine options considered, an A.I.D. lead can stimulate LDC capacity to both assess and develop energy applications suited to the local environment.

The proposal for an International Energy Institute was evaluated and rejected on the grounds that it would not measure as well as other alternatives against the criteria of efficiency in government and effectiveness in overall development, and would not have strong compensating benefits in other areas.

-3-

I believe that this report is responsive to the requirements of Section 119 of the Foreign Assistance Act of 1961, as amended. I am, of course, prepared to provide additional details in response to any inquiries you may have.

Sincerely yours,

Robert H. Nooter
Acting Administrator

Attachments:

- Tab A - NAPA Study -- Scope of Work
- Tab B - NAPA Report: "Energy Organization Options"
- Tab C - Comments of the Development Coordination Committee

ANNEX B

AID's Authorization for Energy Assistance

Section 103. Food and Nutrition

- (c) Assistance provided under this section shall be used primarily for activities which are specifically designed to increase the productivity and income of the rural poor through such means asexpansion of local or small-scale rural infrastructure and utilities such asenergy, and storage facilities.....

Section 106. Technical Assistance, Energy, Research, Reconstruction and Selected Development Problems

- (a) The President is authorized to furnish assistance....for the following activities, to the extent that such activities are not authorized by sections 103, 104 and 105 of this Act:
- (2) programs to help developing countries alleviate their energy problems by increasing their production and conservation of energy, through such means as research and development of suitable energy sources and conservation methods, collection and analysis of information concerning countries' potential supplies of and needs for energy, and pilot projects to test new methods of production or conservation of energy.

Section 119. Renewable and Unconventional Energy Technologies

- (a) (1) The President is authorized to furnish assistance under this chapter for cooperative programs with developing countries in energy production and conservation, with particular emphasis on programs in research, development, and use of small-scale, decentralized, renewable energy sources for rural areas carried out as integral parts of rural development efforts in accordance with section 103 of this Act. Programs under this subsection shall be undertaken, whenever appropriate, in cooperation with the Energy Research and Development Administration or its successor and shall be carried out, to the greatest extent possible, through and in conjunction with activities under section 107 of this Act. These programs shall be directed toward the earliest practicable development and use of energy technologies which are most acceptable to and affordable by the people using them, are simple and inexpensive to use and maintain, and are transferable from one region of the world to another.

Section 107. Intermediate Technology

(Although energy technologies are not specifically mentioned in this section, energy was cited as an area of particular interest in the report of the House Committee on International Relations in 1975 when this section was added to the Foreign Assistance Act.)

ANNEX C

Agreements between AID and DOE

AID and DOE have approved two broad agreements between the two agencies: a Memorandum of Understanding (November 1976), and a General Agreement (September 1977). Copies of both are attached. In addition AID and DOE have entered into two Participating Agency Service Agreements whereby DOE would provide the services of Brookhaven National Laboratory (BNL) for specific AID projects.

GENERAL AGREEMENT
BETWEEN THE
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT
AND THE
U.S. ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION

ARTICLE I -- IDENTIFICATION OF PARTIES

The parties to this General Agreement are the United States Agency for International Development, hereinafter specifically referred to as "AID," and the United States Energy Research and Development Administration, hereinafter specifically referred to as "ERDA." Either party may also be generally referred to as "agency." The terms "employee" and "personnel" as used in the General Agreement shall include personnel permanently employed by either AID or ERDA, other Government personnel assigned to either agency, or personnel employed under contract by either agency.

ARTICLE II -- PURPOSE OF AGREEMENT

This General Agreement, hereinafter referred to as "Agreement," formalizes the working relationship between AID and ERDA in furtherance of the policies and responsibilities of the ERDA/AID Memorandum of Understanding dated November 15, 1976, which is incorporated herein by reference. This Agreement sets forth the general terms under which the two agencies will plan, implement, and coordinate mutually agreed-upon international energy activities.

ARTICLE III SCOPE OF AGREEMENT

The provisions of this Agreement shall apply to all projects and activities undertaken by AID and ERDA within the scope of the Memorandum of Understanding (1) that are funded, in whole or in part by one agency and are to be executed, in whole or in part, by the other agency; and (2) that are jointly funded and executed by the two agencies. The terms of this Agreement shall also be applied, to the maximum extent practicable, to projects and activities for which either agency provides services to the other agency on a non-reimbursable basis.

When a project or activity is solely funded and executed by one agency but is of interest and concern to the other, the two agencies will cooperate in other ways, through such mechanisms as joint planning and/or the exchange of reports and results. To the extent appropriate, the nature and extent of this cooperation in each case will be determined by written arrangement between the two agencies and any such arrangement will become an annex to this Agreement and incorporated herein.

ARTICLE IV -- PROJECT PLANNING AND IMPLEMENTATION

For each project undertaken within the scope of this Agreement, a supplemental agreement will be entered into between AID and ERDA setting forth the necessary arrangements between the agencies required for planning and implementation of the project. Each supplemental agreement will become an annex to this Agreement and will be incorporated herein.

Supplemental agreements will, to the extent required, include detailed provisions regarding patents, exchange of equipment, and information disclosure. The agreements will also define responsibilities in the areas of technical work; the scope, locations, and duration of any mutual activities; the estimated personnel and commodities requirements and costs; the method of financing; and special implementation conditions that are not otherwise stipulated by the regulations of the agencies.

ARTICLE V POLICY COORDINATION; PROGRAM REVIEW; PROJECT MANAGEMENT

The Steering Group, as established by the aforementioned Memorandum of Understanding, through its two co-chairpersons or their designees, will provide policy coordination and general program review for the cooperative activities to be carried out under this Agreement.

Technical and managerial oversight of a specific project will be the responsibility of the project officer from the executing agency for the project who will be designated in the annex.

The executing agency may perform the agreed-upon work with its own employees or by contractors under procurement actions in accordance with its own regulations. For those projects to be funded by AID, AID programming and budgetary procedures will be followed as stipulated under AID policies and regulations. For those projects to be funded by ERDA, ERDA programming and budgeting procedures will be followed as stipulated by ERDA policies and regulations.

ARTICLE VI -- REPORTS

The executing agency shall prepare reports on any activities carried out for the funding agency under this Agreement at such times, in such form, and having such content as conforms with the executing agency's normal requirements and with such special requirements as may be spelled out in the annexes.

ARTICLE VII -- PAYMENT FOR GOODS AND SERVICES

When goods and services are furnished one agency by the other, in connection with a particular project under this Agreement and the relevant annex, the funding agency shall reimburse the executing agency upon presentation of a correctly prepared Standard Form 1080 or 1081. Fiscal documents shall be submitted to the Controller's Office of the funding Agency, citing the pertinent appropriation allotment and/or other appropriate fiscal information appearing in the annex. Accounting procedures of the funding agency shall be followed unless otherwise specified in the relevant annex.

ARTICLE VIII -- TRAVEL ARRANGEMENTS

A. If and when ERDA employees are assigned overseas pursuant to the terms of an annex, they will be subject to the Federal Travel Regulations (FTR) or applicable contractor regulations, with respect to travel and subsistence. In all cases of official travel, conversion of dollars into local currency for official or personal use shall be done in accordance with U.S. Government regulations.

B. The agencies will prepare travel orders and arrange travel for their own employees when such travel originates or terminates in the United States, subject to reimbursement from the funding agency if applicable.

C. When ERDA employees travel overseas under the terms of this Agreement or annexes hereto, AID will provide assistance in the necessary arrangements, as may be convenient or expeditious, such as in securing the necessary passports and visas and arranging for local assistance. In the event that ERDA employees perform services overseas for AID, under the terms of an annex hereto, AID may prescribe and set forth in the appropriate annex special procedures for ERDA employees where their travel or per diem is payable in local currencies, from a country trust fund or from AID funds.

D. In cases where an annex may call for long-term personnel assignments of ERDA personnel performing services overseas for AID, special provisions provided in the relevant annex shall apply covering such items as the employee's employment classification, medical benefits, and the right of dependents to accompany the employee to post. Such provisions shall be in accordance with AID Handbook No. 12, entitled "Use of Federal Agencies," and the "AID Operations Manual for Participating

Agencies, which shall be incorporated in the annex by reference. Any inconsistencies with ERDA procedures will be resolved in the appropriate annex by mutual consent.

E. In cases where an annex may call for long-term personnel assignments of AID personnel performing services overseas for ERDA, AID Foreign Service Regulations as authorized under the Foreign Assistance Act of 1961, as amended, will apply.

F. Where visits and/or assignments of AID or ERDA personnel, under the terms of this Agreement, are contemplated to countries receiving AID concessional assistance, advance notification of such visits or assignments must be given to the AID Mission in that country, or, if AID has no mission in that country, to the U.S. Embassy. Mission or Embassy clearance must be obtained prior to departure of said personnel for the country in question. This procedure is necessary to insure that the Mission or Embassy will be able to accommodate to the purpose of the visit or assignment and obtain the concurrence of the host country, if required.

ARTICLE IX -- EQUIPMENT

Capital equipment (equipment valued at more than \$500) shall be procured, inventoried, and reported in accordance with the applicable regulations of the funding agency. All other equipment shall be procured, inventoried, and reported in accordance with provisions set forth in the relevant annex. Title to all equipment shall be held and final disposition thereof shall be made by the funding agency, unless otherwise specified in the relevant annex.

ARTICLE X -- PATENTS, TECHNICAL INFORMATION, AND INTELLECTUAL PROPERTY

Specific provisions relating to patents, technical information, and/or intellectual property shall be set forth as appropriate in annexes hereto.

ARTICLE XI -- SECURITY

Classified Material. If work to be performed under an annex is anticipated to involve the use and/or generation of restricted data, formerly restricted data, or other classified information, the annex shall provide for the application of ERDA's security regulations and requirements.

Personnel. If ERDA personnel are assigned to AID-funded projects, said personnel shall be subject to AID security requirements as set forth in the aforementioned AID Handbook No. 12.

ARTICLE XII -- DURATION AND AMENDMENT OF AGREEMENT

This Agreement shall become effective when signed on behalf of both agencies and shall remain in effect until terminated by either agency upon ninety days' written notice. Either agency may terminate any annex upon ninety days' written notice. Amendments to this Agreement or any annex hereto must be in writing and by mutual agreement of the agencies and consistent with the AID/ERDA Memorandum of Understanding.

U.S. AGENCY FOR INTERNATIONAL
DEVELOPMENT

U.S. ENERGY RESEARCH AND DEVELOPMENT
ADMINISTRATION

A handwritten signature in dark ink, appearing to read "John M. ...", written over a horizontal line. Below the line, the word "Signature" is printed.

A handwritten signature in dark ink, appearing to read "Robert ...", written over a horizontal line. Below the line, the word "Signature" is printed.

Administrator

Acting Administrator

Title

Title

September 12, 1977
Date

9/21/77
Date

BEST AVAILABLE DOCUMENT

Memorandum of Understanding
Between the
Agency for International Development
and the
Energy Research and Development Administration

I. Purpose

This Memorandum of Understanding provides a framework for establishing cooperative relations between the Agency for International Development (AID) and the Energy Research and Development Administration (ERDA), hereinafter referred to as the AGENCY or AGENCIES, in carrying out the respective responsibilities of AID, under the provisions of the Foreign Assistance Act of 1961, as amended, and ERDA, under the provisions of the Energy Reorganization Act of 1974 and other Federal energy statutes.

II. Policy

AID and ERDA have important responsibilities and a mutual interest in international energy cooperation.

AID is the Agency of the United States Government having primary responsibility for development assistance to developing countries. Specifically, AID is authorized, under Section 106(a)(2) of the Foreign Assistance Act of 1961, as amended, to help developing countries alleviate their energy problems by increasing their production and conservation of energy through such means as research and development of suitable energy sources and conservation methods, collection and analysis of information

concerning countries' potential supplies of and needs for energy, and pilot projects to test new methods of production or conservation of energy.

As an essential part of its mission to expand the range of energy technology options, ERDA is charged, under the Energy Reorganization Act of 1974, with encouraging and participating in international cooperation in energy and related environmental research and development. In accordance with its statutory responsibility, ERDA is developing, as outlined in ERDA 76-1 (A National Plan for Energy Research, Development and Demonstration (RD&D)), an active international energy RD&D program that consists of bilateral agreements and multilateral arrangements.

With developed countries, ERDA has initiated both bilateral and multilateral arrangements. The multilateral cooperation includes the cooperative R&D activities of the International Energy Agency where ERDA has responsibility as lead U.S. agency, and the Committee on the Challenges of Modern Society.

ERDA participates in Joint Commissions with several developing countries and is developing a general program of cooperation that will focus on the development and demonstration of appropriate energy technologies, with emphasis on innovative, low capital cost, small-scale, nonintegrated power systems.

Accordingly, the two AGENCIES within the scope of their respective authorities, agree to cooperate in the formulation and execution of strategies, plans, programs, and projects of mutual interest. ERDA agrees to consult with AID prior to undertaking a program or project in a country receiving AID concessional assistance. The two AGENCIES will coordinate mutual activities with other Federal agencies and will involve the resources of the private sector where appropriate.

III. Policy Coordination and Program Review

- A. The Administrator of each AGENCY will designate a senior policy officer to serve as co-chairperson of a Steering Group that will meet at the request of either chairperson, but at least annually, to provide policy coordination and program review for the cooperative activities under this Understanding.
- B. Each Administrator may appoint other officials to the Steering Group as required.
- C. The responsibility for chairing the Steering Group meetings will alternate between chairpersons with each meeting.

IV. Project Planning and Implementation

- A. AID and ERDA staffs will collaborate in the planning and, as required, the implementation of projects under this Understanding, pursuant to IV B and C below.

- B. General arrangements for the planning and implementation of mutually agreed upon activities will be governed by a General Agreement to be negotiated by the two AGENCIES.
- C. Specific arrangements for individual projects will be detailed in supplemental agreements under the terms of the General Agreement and will define the responsibilities in the areas of technical work; the scope, location, and duration of the mutual activity; the estimated personnel and commodity requirements and costs; the method of financing; and special implementation conditions that are not otherwise stipulated by the regulations of the AGENCIES.

V. General Guidelines

- A. The intent of this Understanding is to provide for coordination of the related activities of the two AGENCIES. Two general classes of activities will be governed by the terms of this Understanding: those activities of primary interest to one that require the support of the other AGENCY, and those of mutual interest to both AGENCIES. The details of the participation of each AGENCY will be defined on a project-by-project basis prior to implementation in accordance with the provisions of Section IV-B of this Understanding.
- B. The activities to be undertaken under this Understanding will reflect AID's primary concern for the progress of the poor

majority in the developing countries and ERDA's interest in the provision of energy-technology options appropriate to current and future needs of the United States and of the international community. Special consideration will be given to: utilizing renewable energy resources for power generation; utilizing innovative, low-capital cost, small-scale, nonintegrated power systems; encouraging cooperative international research and hardware development, testing, and adaptation; strengthening the capabilities of developing countries to assess and meet their energy needs; promoting production and conservation of energy; and stimulating the commercialization of available and emerging technologies to the mutual benefit of the United States and the developing countries.

C. Examples of activities that might be undertaken are:

1. Arrangements for scientists in developing countries to pursue research at ERDA laboratories;
2. Defining and applying methodologies for systematic analysis of the interaction between energy and development in order to help both developing countries and the United States better define long-term energy programs for the benefit of the developing countries;
3. Joint AID/ERDA development of appropriate technologies for specific applications;

4. Field tests of ERDA-developed technology in AID project in developing countries;
5. Program development, involving foreign and domestic travel by AID, ERDA, and ERDA contractor personnel;
6. Consultative trips to AID missions by ERDA and ERDA contractor personnel for short-term assignments;
7. Surveying actual and potential technological developments related to energy, to identify new applications to developing country problems, and to develop and test the feasibility of those applications;
8. Efforts to strengthen energy-related institutional capabilities in developing countries;
9. Studies of the potential market for various energy technologies in specific developing country situations.

VI. Funding

Funding details of any support and assistance that one AGENCY may furnish to the other will be developed in approved obligating documents. The AGENCIES agree to provide each other with sufficient advance notice of projected requirements and services as may be necessary for the programming, planning, and budgeting activities of the two AGENCIES as defined in the General Agreement. AID and

ERDA will provide mutual support to each other in budget justification before the Office of Management and Budget and Congress with respect to collaborative programs.

VII. Procurement Policy

Program and project activities undertaken by ERDA for AID and vice versa under the provisions of this Memorandum of Understanding or the General Agreement may involve contractual arrangements with nongovernmental entities. When such arrangements are necessary, they shall be conducted in a manner consistent with the policy, regulations, statutory authority, and procedures of the contracting AGENCY, and with the provisions of any supplementary agreement under this Understanding that may apply.

VIII. Incorporation into General Agreement

This Memorandum of Understanding will be incorporated by reference into the General Agreement that will be negotiated between the two AGENCIES.

IX. Public Information Coordination

Timely release of information to the public regarding projects and programs implemented under this Memorandum of Understanding will be by mutual agreement between the two AGENCIES and in accordance with their respective policies and with the Freedom of Information Act.

X. Effective Date

This Memorandum of Understanding shall become effective upon execution by the Administrators of both AGENCIES.

APPROVED: NOV 15 1976



Administrator
Energy Research and
Development Administration

APPROVED: NOV 15 1976



Administrator
Agency for International
Development

DS/DIU

ACTION MEMORANDUM FOR THE ASSISTANT ADMINISTRATOR FOR THE DEVELOPMENT SUPPORT BUREAU

FROM: DS/EY, Sam Bosken [Signature]
THRU: DS/PO, Bernard Chapnick [Signature]
SUBJECT: Approval of Incremental Funding of DOE RSSA 1-78 (Project 931-1083)

This project will enable A.I.D. to acquire technical support from DOE via a Resource Support Services Agreement (RSSA). The activity is included in the FY 1980 CP. The project as designed envisions a continuing relation between A.I.D. and DOE subject to yearly review to determine the scope of needed services. We plan to use \$500,000 in FY 1980 funds to acquire nine (9) person years of support through FY 1981.

The utility of the RSSA has been reviewed by the Regional Bureaus at the A.I.D. Energy Coordinating meeting. The Bureaus concurred in its continuation. Furthermore, the Regional Bureaus have agreed to reimburse the D.S. Bureau for the cost of their use of the RSSA. The agreed procedure for reimbursement is described in Attachment B. The terms of reference for the RSSA are Attachment C.

Recommendation: That you authorize continuation of the RSSA and approve funding for the amount of \$500,000, by signing the attached PAF

Approval [Signature]

Disapproval _____

Date 8/22/80

AGENCY FOR INTERNATIONAL DEVELOPMENT
**PROJECT AUTHORIZATION AND REQUEST
 FOR ALLOTMENT OF FUND PART I**

PAF

1. TRANSACTION CODE
 A ADD
 C CHANGE
 D DELETE

2. DOCUMENT CODE
 5

3. COUNTRY ENTITY
 Worldwide

4. DOCUMENT REVISION NUMBER
 1

5. PROJECT NUMBER (8 DIGIT)
 [931-1083]

6. BUREAU/OFFICE
 A. SYMBOL B. CODE
 DS/EY [936]

7. PROJECT TITLE (Maximum 40 characters)
 [] Energy Services and Support

8. PROJECT ACTION TAKEN
 3. EST. PERIOD OF IMPLEMENTATION

APPROVAL DECISION
 A APPROVED
 C DISAPPROVED
 D UNAUTHORIZED
 YRS [01] QTRS []

10. APPROVED BUDGET AIC APPROPRIATED FUNDS (\$000)

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	E. 1ST FY	F. 2ND FY	G. 3RD FY	H. 4TH FY	I. 5TH FY	J. 6TH FY	K. 7TH FY	L. 8TH FY	M. 9TH FY	N. 10TH FY
(1) 106	EY	--	539								
(2)											
(3)											
(4)											
TOTALS											

A. APPROPRIATION	N. 4TH FY	O. 5TH FY	P. 6TH FY	Q. 7TH FY	R. 8TH FY	S. 9TH FY	T. 10TH FY	U. 11TH FY	V. 12TH FY	W. 13TH FY	X. 14TH FY	Y. 15TH FY	Z. 16TH FY
(1) 106							1039						
(2)													
(3)													
(4)													
TOTALS													

12. INITIAL PROJECT FUNDING ALLOTMENT REQUESTED (\$000)
 B. ALLOTMENT REQUEST NO. _____

A. APPROPRIATION	C. GRANT	D. LOAN	E. TOTAL
(1) 106	500		500
(2)			
(3)			
(4)			
TOTALS			

13. FUNDS RESERVED FOR ALLOTMENT
 TYPED NAME (CHIEF, SER/EM, FSD):
 SIGNATURE: _____
 DATE: _____

14. SOURCE ORIGIN OF GOODS AND SERVICES
 000 94: LOCAL OTHER

15. FOR AMENDMENTS, NATURE OF CHANGE PROPOSED

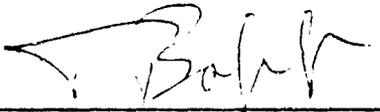
FOR PDC/PLAS USE ONLY	15. AUTHORIZING OFFICE SYMBOL	17. ACTION DATE	18. ACTION REFERENCE (Optional)	ACTION REFERENCE DATE
		MM DD YY		MM DD YY

Project Authorization and Request
for Allotment of Funds

Part II

ENTITY: Worldwide
PROJECT: Energy Services and Support, DOE RSSA 931-1083
PROJECT NO.: 931-1083

I hereby authorize incremental funding of \$500,000 for the DOE
RSSA, for a total authorized funding level of \$1,039,000.

Approval 

Disapproval _____

Date 8/22/80

msk
Drafter: DS/PO:TD'Keefe:msk:8/22/80:235-9048

Clearances: DS/EY, Sam Bosken  Date 8/22/80
DS/PO, Bernard Chappick  Date 8/22/80

ATTACHMENT B

January 17, 1980

MEMORANDUM

TO: AFR/DR,SDP, Mr. John Blungart
ASIA/TR, Mr. Norman Brown
AA/PPC, Mr. Stephen Klein
NE/TECH, Ms. E. K. MacManus
LAC/DR, Mr. Robert J. Maushammer

FROM: DS/PO, Thomas O'Keefe

SUBJECT: Procedures for Reimbursement by Regional Bureaus for Use of
DS/EY RSSA with DOE

The attached procedure has been developed to refund the DOE RSSA, beginning this FY, on an as-used basis.

Your concurrence is requested by January 23rd, by phone if you wish.

Attachment: a/s

cc: DS/EY, S. Bosken

**Procedures for Reimbursement by Regional
Bureaus for Use of DS/EY RSSA with DOE**

Transfer of OYB Funds Between Bureaus

1. Periodically, but well before the close of the fiscal year (by June 30th), the Program Office of DSB will prepare a memorandum to PPC requesting an upward adjustment of the OYB of DSB to compensate for geographic bureaus use of the RSSA with DOE.
2. The total amount of the OYB adjustment requested will be the aggregate of estimated costs of each separate use of the RSSA by the bureaus. The memorandum will cite the actual uses and estimated costs by bureau. Actual costs are not itemized by DOE in financial reporting relating to use of the RSSA. Consequently, the estimated costs agreed to by DS/EY and the using bureau at the time the initial request for service is made will be used to determine reimbursement levels.
3. A Program Revision Request form (copy attached) will be attached to the memorandum requesting revision of DSB OYB.
4. The memorandum and the Program Revision Request form will be cleared the DP offices of those bureaus that have used the RSSA. Clearances the bureau of the memorandum will verify the uses cited and indicate PPC acceptance of the estimated charges against that bureau.
5. The affected regional bureaus will then prepare Program Revision Request forms requesting a reduction of their respective OYBs by the amount of the estimated costs.
6. PPC will then approve and carry out the necessary transfers of funds between the OYBs of the bureaus involved and will notify the affected offices when this has been done.
7. Since the RSSA is funded by DSB from the 106 account, reimbursement by the bureaus should cite 106 funds.

RESOURCES SUPPORT SERVICE AGREEMENT (RSSA)
BETWEEN AID AND DOE

Summary

Under this RSSA, DOE will provide technical, engineering and management expertise in energy areas as required by AID for the implementation of energy assistance activities in and for developing countries. Four types of support will be provided:

- 1) Consultants and experts for short-term duty either in U.S. or overseas,
- 2) Personnel to prepare general energy reports and to conduct studies and analyses required for a fuller understanding of the energy situation in developing countries and for the formulation of AID's energy assistance programs,
- 3) DOE personnel directly assigned to AID, and
- 4) Staff to administer the RSSA.

The RSSA will supply general manpower resources. The extent of AID's needs will be reviewed annually or more often if required and, as necessary, the RSSA will be modified. AID and DOE will mutually agree on the technical qualifications of personnel to meet AID-identified needs and on the selection of the specific personnel.

In addition to this RSSA, AID and DOE will enter into Participating Agency Service Agreements (PASAs) for specific energy assistance projects requiring DOE support. These PASAs will include, as appropriate, provision of manpower, acquisition of hardware, project management and operating expenses.

Provision of Short-Term Technical Consultants and Experts

DOE will make available to AID each year a specified number of man-months of services of consultants and experts. These services may be provided by DOE direct-hire professionals, employees of DOE - administered national laboratories, contractors for on-going DOE projects and contractors under various Indefinite Quantity Contracts with DOE. Under this element of the RSSA, DOE will provide timely response to specific requests for technical advice, evaluations and appraisals of proposed energy projects, technical consultation for on-going projects, assistance in designing energy projects and other needed services.

The services of these technical experts will be needed both in AID/ Washington and overseas.

AID will provide funds to cover salaries, travel, per diem and overhead expenses for the experts requested.

The number of man-months of short-term technical services anticipated for the subsequent year will be determined by AID by the end of June of each year.

For FY 79 AID anticipates a need of 24 person-months of short-term technical support.

Preparation of General Energy Reports

For AID, DOE will produce a series of reports on the overall general energy situation in and for developing countries. The reports will be comprehensive publications covering such topics as the impact of energy on economic development, food production and balance of payments and an assessment of present conditions, future needs and of attractive technical

options to increase energy production. These studies will make use of available data and, except where agreed upon in advance, would not entail visits to the countries themselves. The studies will serve as resource documents for all concerned with the impact of energy conditions on economic development. Five studies will be completed in FY 79. Work will be reviewed by AID/Washington before publication.

Direct Assignment of DOE Personnel to AID

DOE personnel on assignment to AID/Washington will assist in the development and management of individual energy assistance projects and energy components of larger assistance activities. Each person will be assigned to AID for a two-year period, subject to recall by the Department of Energy on 30 days notice. Re-assignment will be permissible.

The official duty position will be in the Office of Energy of the Development Support Bureau of AID/Washington. As needed and as appropriate, the personnel might be seconded by the Office of Energy to other elements of AID.

By the end of June of each year, AID will provide DOE with the number and qualifications of the personnel needed for the subsequent fiscal year.

The initial need is for one person knowledgeable in urban energy needs, in particular solar heating and cooling of moderate-to-large buildings. He/she will work with the Office of Energy, in conjunction with the Offices of Housing and Urban Development, to develop a program that would (1) demonstrate the technology in hospitals, schools, housing developments and public buildings in selected major cities of the developing countries and (2) incorporate the technology into the on-going activities of the

Office of Housing (principally, the loan guarantee program). The work will involve architecture, urban planning, interaction with the private sector in developing countries and, in addition to the technical aspects of solar heating and cooling, broader areas of energy use and conservation in urban applications. The duties of the incumbent will include liaison between AID and DOE in urban energy applications, in solar heating and cooling and in other energy areas relevant to AID's assistance efforts.

Administrative Staff

DOE will provide an administrative staff to furnish administrative support, including processing of implementation papers for this RSSA and any PASAs, arranging security and medical clearances of DOE-supported personnel, handling travel, acquiring visas, preparing budgets and coordinating personnel actions.

ATTACHMENT A

Estimated Budget

Personnel Compensation	265,000
Benefits at 25 percent	90,000
Travel and Transportation	90,000
Rent, Communications and Utilities	30,000
Printing and Reproduction	5,000
Other Services	10,000
Supplies	5,000
Equipment	<u>5,000</u>
TOTAL.....	500,000