

Date of Start of Work (Date) <b>23, 1991</b>  Project Completion Date (Date) <b>MAY. 22, 1992</b>  TOY <input type="checkbox"/> ASSIGNED  Mode of Funding <b>CURRENT YEAR</b>  FORWARD FUNDING	<b>PASA</b> <b>PARTICIPATING AGENCY SERVICE AGREEMENT</b> BETWEEN THE AGENCY FOR INTERNATIONAL DEVELOPMENT AND <b>Dept. of Energy/Argonne National Lab.</b>  Project Number and Title <b>936-5741, Energy Technology Innovation</b>	4. <input checked="" type="checkbox"/> PASA ORIGINAL <input type="checkbox"/> PASA AMENDMENT <span style="float: right; font-size: 1.2em;">PDUWAX 935</span>  7. PASA Number <b>DHR-5741-P-BR-1007</b>  8. Country/AID/W Office <b>Worldwide</b>  9. Type <input checked="" type="checkbox"/> GRANT <input type="checkbox"/> LOAN <input type="checkbox"/> COUNTRY FINANCED  10. Year FY 19 <b>91-92</b>
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**11. FUNDING**

<b>STATIONS</b>	(1) Application Number <b>78-1111021.3</b>	(2) Statement Number <b>143-36-099-01-20-11</b>	(3) AID/Outgoing Number <b>936-5741-1361163</b>
<b>FOR PARTICIPATING AGENCY</b>	(1) Initial or Current <b>\$200,000.00</b>	(2) Change (+ or -) <b>-0-</b>	(3) New Total <b>\$200,000.00</b>
<b>FOR AID DIRECT</b>	(1) Initial or Current <b>-0-</b>	(2) Change (+ or -) <b>-0-</b>	(3) New Total <b>-0-</b>
<b>TOTAL AMOUNT OBLIGATED (Block 8+3)</b>	(1) Initial or Current <b>\$200,000.00</b>	(2) Change (+ or -) <b>-0-</b>	(3) New Total <b>\$200,000.00</b>
<b>PRINCIPAL COST COMPONENTS OF (Block 8)</b>	(1) Salaries, Differential and Benefits <b>\$45,540.00</b>	(2) Transportation (including Per Diem) <b>\$66,000.00</b>	(3) Miscellaneous <b>\$16,900.00</b>
			(4) Overhead <b>\$71,560.00</b>

The purpose of this PASA with the Agency of International Development and the Department of Energy is to provide funds for Energy-Environmental Technology Transfer and Assessments Support.

Notwithstanding any language to the contrary, as of the date of this PASA, all subcontracts exceeding the amount of \$10,000 must be submitted to the A.I.D. Contracting Officer for approval prior to the placement of those subcontracts.

Budget Plan Code: DDNA 91-13600-IG11

COOPERATING AGENCY: **Department of Energy** (Signed in the General Agreement dated 9/21/77 between AID and the Department of Energy. The Agency named above agrees to provide the services outlined in Block 12 and as necessary by Appendix A, except where otherwise authorized by AID, all contracts shall be of U.S. origin. Any appendices attached hereto are considered part of this PASA.)

NAME: <b>JAMES A. EUCAR, CHIEF</b> TITLE/OFFICE: <b>ADMINISTRATIVE BRANCH CONTRACTING OFFICER</b>  DATE: <b>6/3/91</b>	NAME: <b>Gary V. Kinney</b> TITLE/OFFICE: <b>Chief, Resources Branch</b>  DATE: <b>6/11/91</b>
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- Appendices
- APPENDIX A - SCOPE OF WORK
  - APPENDIX B - BUDGET PLAN
  - APPENDIX C - USE OF AID PERSONNEL/FACILITIES
  - APPENDIX D - SUBCONTRACTS
  - OTHER APPENDICES \_\_\_\_\_

16. Negotiating Office

AGY: \_\_\_\_\_

AGENCY: \_\_\_\_\_

ENTERED

APPENDIX A OPE OF WORK  1 of 3	<b>PARTICIPATING AGENCY SERVICE AGREEMENT BETWEEN THE AGENCY FOR INTERNATIONAL DEVELOPMENT AND Dept. of Energy/Argonne National Laboratory</b>	<input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> AMEND NO. _____
		PASA NO. DHR-5741-P-ER-1007
		FISCAL YEAR 1991-92

**ATTACHMENT 1****ENERGY-ENVIRONMENTAL TECHNOLOGY TRANSFER AND ASSESSMENTS****SUPPORT****1.0 BACKGROUND**

Rapidly increasing energy demand, environmental degradation concerns (particularly acid rain and potential global warming), and capital shortages pose severe economic growth challenges in developing countries. To address these complex economic development issues, the A.I.D. Office of Energy plans and implements projects that demonstrate the combined economic and environmental benefits of applying innovative clean energy technologies such as those being demonstrated under the Department of Energy (DOE) Clean Coal Technology (CCT) Program. These projects cover all A.I.D. countries including Eastern Europe. A key aspect of the innovative clean energy technology effort is transfer of results to actual implementers.

To efficiently plan and perform innovative clean energy projects, the Office of Energy has drawn on the unique technical and training resources of Argonne National Laboratory (ANL). This Project Scope extends this support to CCT technology transfer and identification and assessment of Eastern Europe energy projects.

**2.0 OBJECTIVES**

Main support objectives are:

- 1) Planning and performance of an International Clean Coal Technology Seminar for selected A.I.D. countries
- 2) Provision of support to the Office of Energy in identifying and assessing the feasibility of Eastern European energy projects that address: performance improvement, capacity expansion, and environmental enhancement for electricity generation and central heat supply.

**3.0 SCOPE OF WORK**

All scope of work tasks and subtasks will require Project Officer approval prior to initiation of any work. To facilitate Project management the support scope is divided into two tasks: Task 1 -- International Clean Coal Technology Seminar, and Task 2 -- Eastern Europe Clean Energy Applications Assessments.

**3.1 Task 1 -- International Clean Coal Technology Seminar.** ANL will plan, manage, conduct, document, and provide logistical support for an International Clean Coal Technology Seminar. This

APPENDIX A SCOPE OF WORK  2 of 3	<b>PARTICIPATING AGENCY SERVICE AGREEMENT BETWEEN THE AGENCY FOR INTERNATIONAL DEVELOPMENT AND Dept. of energy/Argonne National Laboratory</b>	<input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> AMEND NO. _____
		PASA NO. DHR-5741-P-BR-1007
		FISCAL YEAR 1991-92

will include: development of a detailed Seminar agenda for sponsors' approval, development of Seminar sessions, presentations, materials, provision of physical facilities for the Seminar, arrangement of CCT site visits, Seminar participants' travel arrangements and accommodations, speakers' invitations, and preparation of a Seminar Proceedings. Actual foreign Seminar participants will be selected by the Seminar sponsors (the Office of Energy, TDP, and DOE) with names and contact information to be provided to ANL in adequate time for travel and accommodation arrangements. Under this task, ANL will pay travel, per diem, and miscellaneous Seminar attendance expenses for nine (9) Seminar participants.

The Seminar will include sessions that address: 1) U.S. experience in adapting CCT to A.I.D.-assisted countries; 2) development and implementation of private power concepts including issues and current projects status; 3) CCT Demonstration Program extent and status; 4) CCT Demonstration performance and environmental objectives; 5) techniques for assessing CCT economic benefits when applied in developing countries; and, 6) projects financing options.

**1.2 Task 2 -- Eastern Europe Clean Energy Applications Assessments.** Specific energy assessments to be performed under this task have yet to be identified. As a result, in an initial subtask, ANL will conduct a survey of Eastern Europe power and central heat plants. This survey and other information will be used to develop work scopes for specific clean energy assessment subtasks. For purposes of this task, Eastern Europe is defined as the nations of Poland, Czechoslovakia, and Hungary. Main technologies to be consider are those currently associated with the DOE CCT Demonstration Program with particular attention on trade opportunities potential. Major environmental objectives are reductions in the atmospheric emission of acid rain precursors and emissions contributing to global warming.

It is anticipated that ANL in conducting assessments under this task will make extensive use of its energy planning and economics assessment models. A trip to E.Europe, however, may be needed to make a firsthand assessment.

**1.2.1 Subtask 2.1 -- Eastern Europe Power And Central Heat Plants Survey.** Various U.S. organizations, Eastern European governments, and multilateral lending institutions have published data on the structure and composition of Eastern Europe electricity generation and central heat plant production facilities. In this subtask, ANL will review this data to: 1) develop a consistent data base for Office of Energy use; 2) gain an appreciation of the current electricity generation and central heat plant situation; 3) establish general fuel utilization patterns; 4) estimate approximate point source environmental emission levels; and, 5)

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		PASA NO. <b>DHR-5741-P-ER-1007</b>
		FISCAL YEAR <b>1991-92</b>

document current estimates of future electricity and central heat demands. Under this survey subtask, ANL will also develop brief descriptions of current laws effecting electricity and central heat industries restructuring.

**3.2.2 Subsequent Subtasks.** Subsequent subtasks will be developed upon completion of Subtask 2.1. These could include assessments of: 1) application of CCT to existing and new power and central heat plants; 2) fuel supply and quality improvement options that reduce environmental emissions; 3) general siting of future energy plants; and, 4) integration of electricity generation and central heat production to enhance energy utilization efficiency.

#### 4.0 REPORTS

4.1 For Task 1, ANL will prepare a comprehensive International Clean Coal Technology Seminar Proceedings. Five copies of draft proceedings for A.I.D. review and approval will be prepared within two months of the Seminar. ANL will issue twenty copies of the final proceedings within one month of receiving A.I.D.'s comments/approval on draft proceedings.

4.2 For Task 2, ANL will prepare a report presenting results for Subtask 2.1. Additional reports under Task 2 will be established as part of assessments work scopes.

#### 5.0 LEVEL OF EFFORT

Team Leader/Principal Investigators	196 Days
Administrative	49 Days

#### 6.0 RELATIONSHIPS AND RESPONSIBILITIES

The Contractor shall be responsible to the A.I.D. Project Officer Alberto J. Sabadell, Deputy Director, Office of Energy, A.I.D.

The Contractor shall also work closely with other seminar sponsors for Task 1, including the Department of Energy and the Trade and Development Program and key contacts in the cognizant energy agencies of A.I.D.-assisted countries.

#### 7.0 TERM OF PERFORMANCE

The term of performance is May 23, 1991 through May 22, 1992

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05/30/1991

BUDGET PLAN APPENDIX PAGE <u>1</u> OF <u>1</u>	PARTICIPATING AGENCY SERVICE AGREEMENT BETWEEN THE AGENCY FOR INTERNATIONAL DEVELOPMENT AND Dept. of Energy/ Argonne National Laboratory		1. PASA NUMBER <b>DER-5741-P-ER-1007</b>	2. AMENDMENT NO. <b>Basic</b>	3. FISCAL YEAR <b>1991-92</b>	
			4. APPROPRIATION <b>72-1111021.3</b>	5. ALLOTMENT <b>143-35-099-01-20-11</b>	6. AMOUNT CURRENTLY FUNDED <b>\$200,000.00</b>	
7 FUNDED BY	PROT-OBLIG. NO.	AMOUNT	PROT-OBLIG. NO.	AMOUNT	PROT-OBLIG. NO.	AMOUNT
SST/EY	<b>936-5741-1361163</b>	<b>\$200,000.00</b>				

8. PASA BUDGET PLAN - FUNDING		9. STAFFING			
DESCRIPTION	AMOUNT	NAME AND TITLE	GRADE	PERIOD (PEOPLE-DAYS/MONTHS)	AMOUNT
SALARIES	<b>\$45,540</b>	<b>SCIENTIFIC DIRECT SALARY DIRECT (SECRETARY)</b>		<b>6.84 MOB.</b>	<b>\$38,210</b>
BENEFITS ( _____ % OF SALARIES)				<b>2.55 MOB.</b>	<b>\$7,330</b>
DIFFERENTIAL ( _____ % OF SALARIES)					
LEAVE FACTOR (TDYs ONLY) ( _____ % OF SALARIES AND BENEFITS)					
TRAVEL (EXPLAIN BELOW) <b>(1)</b>	<b>\$66,000</b>				
PER DIEM (EXPLAIN BELOW)					
MOVEMENT EFFECTS (INTERNATIONAL) (NORMALLY ONLY MOVEMENT TO POST)					
MOVEMENTS/STORAGE OF EFFECTS (DOMESTIC)					
OTHER (SPECIFY BELOW) <b>(2)</b>	<b>\$16,900</b>				
OVERHEAD <input type="checkbox"/> SALARIES & BENEFITS <b>(3)</b> _____ % <input type="checkbox"/> PERSONNEL COSTS <input type="checkbox"/> ALL COSTS	<b>\$71,560</b>				
IN-COUNTRY SUPPORT PROVIDED DIRECTLY BY AID (EXPLAIN BELOW)*					
TOTAL (INCLUDES _____ TO BE FUNDED BY FUTURE PASA AMENDMENTS)	<b>\$200,000</b>				

**EXPLANATORY COMMENTS**

1) Travel: Travel is an estimate to be determined at a future date which includes Per Diem.

2) Other: Editorial, Graphics, and other publication-related expenses.

3) Overhead: Overhead includes Effort-related overhead @ \$25,650, General and Administrative @ \$44,710 and D.O.E. added factor @ \$1,240.

HB12 - 1/8/87

**APPENDIX C****"AID Facilities and/or Personnel**

- a. For assignments in AID/W, participating agencies, their employees, and their consultants are prohibited from using AID facilities (such as office space or equipment) and AID clerical or technical personnel in the performance of services specified in a PASA or RSSA, unless the use of such personnel and/or facilities is specifically authorized in the appropriate PASA or RSSA.
  
- b. If it is at any time determined that the participating agency has used AID facilities or personnel without authorization in the PASA or RSSA, the amount payable under the PASA or RSSA shall be reduced by an amount equal to the value of the AID facilities or personnel used by the PA as determined by the MS/OP agreement officer."

HB12 - 1/8/87

**APPENDIX D****'Subcontracting**

- a. As used herein, the term "subcontracting" includes purchase orders.
- b. Subcontracting by the participating agency with AID funds must be specifically authorized in the PASA or RSSA involved or separately requested in writing and approved by the MS/OP agreement officer prior to negotiations. Accordingly, participating agencies are required to clearly indicate in their budget submission to AID for a particular PASA or RSSA the extent of anticipated subcontracting. Where such subcontracting arises during performance, an amended budget and amendment to the PASA or RSSA to cover subcontracting may be necessary prior to entering into a subcontract. All subcontracting under PASA and RSSA agreements using AID funds is subject to the provisions on subcontracting in AID Handbook 12.
- c. AID authorized subcontracting shall be undertaken using the participating agency's own contracting authority and its own contracting regulations. Such authority shall be cited in the subcontract. AID may authorize a participating agency to subcontract with an individual for personal services abroad under a subcontract in which case the participating agency may, absent its own authority to contract for personal services, cite Section 636(a)(3) of the Foreign Assistance Act of 1961, as amended (FAA)."

DEPARTMENT OR AGENCY  
FINANCIAL STATUS REPORT

ASA/RSSA No.

Current Billing Period:

From: \_\_\_\_\_  
To: \_\_\_\_\_

Project Name:

Project Number:

PASA/RSSA Agreement Period:

From: \_\_\_\_\_  
To: \_\_\_\_\_

Fiscal Data: PIO/T Oblig. No.  
Appropriation No.  
Budget Plan Code

<u>Description of Budget Line Items</u>	<u>Current Billing</u>	<u>Cumulative Billing to Date</u>	<u>Current PASA RSSA Budget</u>
Salaries			
Benefits			
(x% of salaries)			
Differential			
(x% of salaries)			
Leave Factor			
(x% of salaries & benefits)			
Per Diem			
Travel			
Transportation			
[as a subheading under Transportation]			
- movement of Effects (International)			
- movement/storage of Effects (Domestic)			
Supplies & Materials			
Other (Explain)			
Overhead			
% Salaries & Benefits	_____	_____	_____
% of Personnel Costs	_____	_____	_____
% of All Costs	_____	_____	_____

Cumulative Funds Authorized in PASA/RSSA through  
Amendment Number \_\_\_\_\_

HB12 - 9/20/89

**APPENDIX G****Restrictions on PASA and RSSA Personnel**

PASA and RSSA personnel shall not:

- - officially represent the agency at any function;
- - approve policy documents;
- - supervise AID employees;
- - negotiate, review, or sign contracts on behalf of AID;
- - certify vouchers;
- - select or recruit AID employees; or
- - prepare AID funding or budget documents."

HB12 - 1/8/87

**APPENDIX H****"PROPERTY****a. Overseas**

All commodities unexpended and on hand on termination of a PASA project procured by and under the control of the PASA technicians are to be turned over to the cooperating country and/or the AID Mission as determined by AID.

**b. Domestic**

When there is no longer an AID need for equipment or termination of AID support, the participating agency, as mutually agreed with AID, will:

- - credit AID the depreciated value of the commodities, or
- - return the items to AID, or
- - Otherwise dispose of them."