

1. CONTRACT (Proc. Inst. Ident.) NO. NRC-11-82-433	2. EFFECTIVE DATE SEP 30 1982	3. REQUISITION/PURCHASE REQUEST/PROJECT NO. RFP ACR-11-82-433	4. CERTIFIED FOR NATIONAL DEFENSE UNDER USA REG. 2 AND/OR DMS REG. 1. RATING:
5. ISSUED BY U.S. Nuclear Regulatory Commission Division of Contracts, AR-2223 Washington, DC 20555		6. ADMINISTERED BY <i>(If other than block 5)</i>	7. DELIVERY FOR DESTINATION <input type="checkbox"/> OTHER (See below)

8. CONTRACTOR NAME AND ADDRESS <i>(Street, city, county, State, and ZIP code)</i> Rockwell International Energy Systems Group 8900 DeSoto Avenue Canoga Park, CA 91304	9. DISCOUNT FOR PROMPT PAYMENT
10. SUBMIT INVOICES (4 copies unless otherwise specified) TO ADDRESS SHOWN IN BLOCK	

11. SHIP TO/MARK FOR U.S. Nuclear Regulatory Commission Attention: Paul A. Boehmert, H-1016 Advisory Committee on Reactor Safeguards Washington, DC 20555	12. PAYMENT WILL BE MADE BY U.S. Nuclear Regulatory Commission Office of Resource Management Division of Accounting and Finance Attention: GOV/COM ACCOUNTS Washington, DC 20555
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13. THIS PROCUREMENT WAS ADVERTISED, NEGOTIATED, PURSUANT TO: 10 U.S.C. 2304 (a)(1) 41 U.S.C. 252 (c)(2)

14. ACCOUNTING AND APPROPRIATION DATA
 Appn: 31X0200.702 B&R: 70-19-03 FIN: B-1557 \$ 9,883.14

15. ITEM NO.	16. SUPPLIES/SERVICES	17. QUANTITY	18. UNIT	19. UNIT PRICE	20. AMOUNT
	Expert opinion during meetings of the NRC's Advanced Reactor Subcommittee of the ACRS concerning LMFBR's.				\$9,883.14

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21. TOTAL AMOUNT OF CONTRACT \$ **9,883.14**

CONTRACTING OFFICER WILL COMPLETE BLOCK 22 OR 26 AS APPLICABLE

22. <input checked="" type="checkbox"/> CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return 3 copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)	26. <input type="checkbox"/> AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number _____, including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.
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23. NAME OF CONTRACTOR BY R. A. Johnson <i>(Signature of person authorized to sign)</i>	27. UNITED STATES OF AMERICA BY John E. Rebello <i>(Signature of Contracting Officer)</i>
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24. NAME AND TITLE OF SIGNER (Type or print) R. A. Johnson, Manager Contracts and Proposals	25. DATE SIGNED 9/23/82	28. NAME OF CONTRACTING OFFICER (Type or print) John E. Rebello	29. DATE SIGNED 9/17/82
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ARTICLE I - BACKGROUND

The Advisory Committee on Reactor Safeguards (ACRS), a part of whose mission is to advise the Commission with regard to hazards of proposed or existing reactor facilities and the adequacy of proposed reactor safety standards. The Advanced Reactor Subcommittee refers its findings and provides guidance to the Full Committee (ACRS) on the annual Reactor Safety Research Report to the Nuclear Regulatory Commission and to the Congress.

ARTICLE II - STATEMENT OF WORK

The Contractor shall provide expert opinion during selected meetings of the Nuclear Regulatory Commission's Advanced Reactor Subcommittee of the ACRS, in their deliberations on the various aspects of Liquid Metal Fast Breeder Reactor (LMFBR) technology to specifically develop proposed General Design Criteria (GDC) and related reactor safety research program needs for large LMFBR power plants. This expert opinion and consultation will be provided through verbal exchanges, with written reports to be provided only when requested from Mr. James A. Hartung, Energy Systems Group, by Dr. Max Carbon, University of Wisconsin who is the Subcommittee Chairman, ACRS/NRC. Dr. Carbon will determine and provide meeting schedules and dates when finalized.

Meetings and Travel:

It is estimated that the Contractor shall be required to attend two meetings of 2 to 3 days duration in Washington, DC.

ARTICLE III - TRAVEL REIMBURSEMENT

Travel and subsistence will be reimbursed to the Contractor for actual costs not exceeding the rates specified below, plus General Overhead of 12.3% on total actual costs for costs incurred directly and specifically in the performance of this contract and accepted by the Contracting Officer, in accordance with the Contractor's travel policy dated 5/7/82:

1. Travel to Washington, DC, reimbursed at a daily rate, not to exceed:
 - Lodging: \$75.00
 - Meals and Incidentals: \$36.00
2. Personal car mileage allowance at the rate of 26 cents per mile.
3. All common carrier travel reimbursable hereunder shall be via economy class rates when available. If not available, reimbursement vouchers will be annotated that economy class accommodations were not available. First-class air travel is not authorized.
4. Receipts are required for common carrier transportation, lodging, and miscellaneous items in excess of \$15.00.

ARTICLE IV - PERIOD OF PERFORMANCE

The period of performance under this contract shall commence on the effective date of the contract and all effort shall be completed by September 29, 1983.

ARTICLE V - CONSIDERATION

In full consideration of the Contractor's performance hereunder, the NRC shall pay the Contractor as follows:

\$ 28.37 per hour - SUPPORT

\$ 70.29 per hour - TECHNICAL

Travel and subsistence in accordance with ARTICLE III.

The total amount of the contract is not to exceed: \$ 9,883.14

ARTICLE VI - PAYMENT

Payment shall be made in accordance with Clause 2 of the General Provisions entitled "Payments" in approximately thirty days after submission of proper and correct invoices or vouchers on a monthly basis in a form satisfactory to the Contracting Officer; provided, however, that said payment(s) shall not be deemed to prejudice any rights which the Government may have by law or under any other provision of this contract.

ARTICLE VII - PROJECT OFFICER

Paul A. Boehmert is hereby designated as the Contracting Officer's authorized representative (hereinafter referred to as Project Officer) for technical aspects of this contract. The Project Officer is not authorized to approve or request any action which results in or could result in an increase in contract cost; nor terminate or settle any claim or dispute arising under the contract; nor issue any unilateral directive whatsoever.

The Project Officer is responsible for:

1. monitoring the Contractor's technical progress, including surveillance and assessment of performance, and recommending to the Contracting Officer changes in requirements;
2. interpreting the statement of work;
3. performing technical evaluation as required;
4. performing technical inspections and acceptances required by this contract; and
5. assisting the Contractor in the resolution of technical problems encountered during performance.

Within the purview of this authority, the Project Officer is authorized to review all costs requested for reimbursement by the Contractor and submit recommendations for approval, disapproval, or suspension for supplies or services required under this contract. The Contracting Officer is responsible for directing or negotiating any changes in terms, conditions, or amounts cited in the contract.

For guidance from the Project Officer to the Contractor to be valid, it must:

1. be consistent with the description of work set forth in the contract;
2. not constitute new assignment of work or change of the expressed terms, conditions, or specifications incorporated in to this contract;
3. not constitute a basis for an extension to the period of performance or contract delivery schedule; and
4. not constitute a basis for any increase in the contract price.

ARTICLE VIII - GENERAL PROVISIONS

This contract is subject to the General Provisions entitled "Fixed Price Research and Development Contracts Under \$10,000.00" dated November 14, 1977, which incorporates the FPR Changes and Additions and NRC Additions, which is attached hereto and made a part hereof.

Clause 14 of the General Provisions entitled "Patent Rights - Acquisition by the Government" is deleted in its entirety.

ARTICLE IX - KEY PERSONNEL

James A. Hartung is considered to be essential to the work being performed hereunder. Prior to diverting him to another program, the Energy Systems Group of Rockwell, International, shall notify the Nuclear Regulatory Commission reasonably in advance of such diversion and shall submit justification (including the names and vitae of proposed substitutions) in sufficient detail to permit evaluation of the impact of such substitutions on the program. No diversions shall be made by the Contractor without the written approval of the NRC Contracting Officer.