United States
Department of Energy

Instruction and Information on Used Energy-
Related Laboratory Equipment Grants for
Educational Institutions of Higher Learning

Assistant Secretary Intergovernmental
and Institutional Relations

Education Programs Division
Washington, D.C. 20545

September 1978
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USED ENERGY-RELATED LABORATORY EQUIPMENT GRANTS

The United States Department of Energy (DOE), in accordance with its responsibility to encourage research and development in the energy area, awards grants of used energy-related laboratory equipment to universities and colleges and other non-profit educational institutions of higher learning in the United States for use in energy-oriented educational programs in the life, physical and environmental sciences and engineering. Proposals for the grant of available equipment in this program should be submitted by an eligible non-profit educational institution to the DOE Field Office responsible for the site where the specific equipment is known to be located.

Eligibility and Procedure

Any non-profit educational institution of higher learning, such as a university, college, junior college, hospital, and technical institute and museum, located in the United States and interested in establishing or upgrading energy-oriented educational programs in the life, physical and environmental sciences and engineering is eligible. High schools, grade schools and vocational trade schools are excluded. An energy-oriented program is one that deals partially or entirely in energy-related topics.

Lists of equipment are available for review by educational institutions at any of the sites listed in Appendix A. These lists cannot be removed from the site premises. Continuous daily changes in the available equipment shown on them preclude duplication and distribution to an educational institution. The responsibility for reviewing and locating specific equipment on these lists rests solely with the requesting institution, and therefore, any telephone or written requests to contractor or DOE for special attention in locating equipment cannot be honored. Advance appointments should be made prior to a visit to one of the designated sites to review the equipment lists.

After the equipment lists have been reviewed and specific equipment located and "earmarked," a proposal should be prepared for submission to designated DOE Field Offices, as shown in Appendix B. Because of the problem and cost of equipment storage
and the continuous demand by other Federal agencies for equipment, a maximum period of 30 days will be permitted from the time of "earmarking" the equipment to the time of receipt of a proposal. The review of proposals and the awarding of equipment grants by the responsible representatives of DOE will be accommodated on a first-received, first-qualified basis.

The cost of care and handling incident to the grant must be borne by the institution; such costs normally consist of packing, crating, shipping and insurance, and are limited to actual costs. Arrangements for shipment and the reimbursement of any of the aforementioned actual costs should be coordinated between the institution and each of the DOE installations responsible for the equipment; these arrangements should be initiated by the requesting institution within one week after receipt and acceptance of the grant by the institution. The cost of any repairs and/or modifications to any equipment will be borne by the recipient institution.

Note: Responsibility for location of specific equipment rests with the requesting institution. Specific inquiries concerning equipment are to be directed to the office handling university relations at the DOE Field Offices. General inquiries may be made to the DOE's Education Programs Division, Washington, D.C. 20545. Proposals for the grant of specific equipment may be submitted by any college or university to the appropriate DOE Field Office.

TYPICAL EQUIPMENT

Typical items of educational training apparatus or equipment which may be requested are listed below. It should be emphasized that these examples are merely illustrative and not inclusive.

- radiation detectors, monitors, scalers, and counters
- nuclear reactors and accelerators
- neutron howitzers and generators
- critical and subcritical assemblies
- bubble and cloud chambers
- dosimeters, survey meters, radiometers, and spectroscopes
- radiation shields and reactor associated components
- mass spectrometers, infrared spectrometers, and ultraviolet spectrometers
- gas and liquid chromatographs
- ammeters, voltmeters, electrometers
- linear and pulse-height analyzers
- power supplies
- catalyst test units
- distillation columns
- temperature and pressure recorders
Title to such equipment when granted by the DOE will vest with the educational institution.

Note: Neutron sources and other radioactive materials will not be included unless they are essential components of the equipment to be granted. As such, the source materials must have been specifically designed for the particular equipment. Nuclear materials may be loaned to colleges and universities through a Nuclear Materials Loan Program administered by the DOE's Education Programs Division.

The following list is illustrative of the type of equipment or purposes for which equipment will not be provided.

1. General supplies.
2. Equipment intended by the institution for contractual project research.
3. Furniture, such as desks, tables, chairs, conventional laboratory benches, typewriters, etc. (except as such equipment may be an essential component of and physically attached to an energy-related laboratory equipment system).
4. Refrigerators, tools, etc.
5. Computing equipment.
6. Equipment determined to be required by other DOE laboratories.

INSTITUTIONAL COSTS

Packing, crating and shipping charges are to be borne by the institution requesting the grant. The handling of these charges should be coordinated between the institution and the DOE installation possessing the equipment. The costs of repairs and modifications to any equipment are to be borne by the institution.

PROPOSAL GUIDE

Proposals for grants of used energy-related laboratory equipment for either undergraduate programs or graduate programs should generally follow the format outlined below:

1. Proposal Objectives

Provide a brief statement relative to the type of equipment needed and indicate whether any discussions concerning such equipment have been held with the laboratory or other DOE facility personnel.
2. **Energy-Oriented Science and Engineering Education Program**

Include a brief description of the energy-oriented science and engineering education program of which the proposed equipment would be a part and any specific experiments planned for its use.

3. **Courses**

Please provide the following for each course of which the proposed equipment would be a part:
- **Course Number**
- **Educational Level**—Undergraduate: 1, 2, 3, 4, Graduate: M.S., Ph.D.
- **Title**
- **Description**
- **Enrollment (show for several years)**
- **Frequency of offering**

4. **Graduate Degrees Awarded**

Graduate Programs: Please, show the number and level (M.S., Ph.D.) of degrees awarded within the area to be supported for the past five years.

5. **Data on Present Facility**

For each faculty member participating in the proposed laboratory program, please list the following information:

<table>
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<tr>
<th>Name</th>
<th>Degree</th>
</tr>
</thead>
</table>

*Brief description of background and experience related to subject of equipment application.*

6. **Prior Grants**

Reference should be made to any prior federal educational assistance grant for equipment (financial or otherwise) to the same or to a related department. Explain the relationship, if any, to the currently requested equipment and to the proposed program.
7. Certifications

The following certifications should be provided:

a. A statement that the institution will utilize the requested equipment for energy-related instructional purposes in regularly scheduled laboratory and instructional courses.

b. A statement that the conditions as set forth below are included as a part of the grant agreement.

TERMS AND CONDITIONS

When a grant is executed, the following Terms and Conditions will apply:

"GRANT NO. ____________ is placed in accordance with and subject to the following terms and conditions:

1. The term "grantee" as used herein means the educational institution receiving this grant. The term "DOE" means the "United States Department of Energy" and its duly authorized representatives. The phrase "persons acting on behalf of the DOE" includes authorized contractors of the DOE and their duly authorized representatives. The term "equipment" as used herein means the used items described on the face hereof as the item(s) being granted. The term "DOE Facility" means the laboratory, plant, or office, operated by or on behalf of the DOE, in possession and/or responsible for each equipment item shown on the face hereof.

2. The grantee understands that the DOE may fulfill its obligations under this grant through any DOE Facility(s).

3. The grantee agrees to pay for all costs of packing, normal and special handling crating and shipping, and agrees to coordinate the costs and any payments with the DOE Facility.

4. The grantee will be responsible for any repair and modification costs to any equipment received under this grant.

5. The grantee agrees to provide shipping instructions to and arrange for the payment of shipping costs with the cognizant DOE Facility(s) within one week from acceptance of this grant.
6. Neither the Government, DOE, nor persons acting on behalf of the DOE make any warranty or other representation, express or implied, that the equipment granted under this program will accomplish the results for which it is requested or intended.

7. The grantee hereby releases and agrees to hold the Government, DOE, or persons acting on behalf of the DOE harmless for any and all liability of every kind and nature whatsoever resulting from the receipt, shipping, installation, operation, handling, use and maintenance of the equipment after said equipment is physically removed from the DOE Facility(s).

8. The grantee will utilize the granted equipment primarily for energy-related instructional purposes in regularly scheduled laboratory and instructional courses.

9. The grant of any nuclear equipment granted hereunder does not relieve the grantee from complying with the Atomic Energy Act of 1954, as amended, and the regulations issued pursuant thereto, including any requirements for permits and licenses, with respect to such equipment. (See especially, regulations of the Nuclear Regulatory Commission, Chapter 1, Title 10, Code of Federal Regulations.)

10. The disposition of any patents or inventions or discoveries resulting from the use of the equipment granted hereunder shall be the responsibility of the grantee, provided that the grantee shall give the Government an irrevocable, royalty-free non-exclusive license for use of such inventions, or discoveries for governmental purposes. (To the extent that DOE has any rights in such inventions or discoveries pursuant to Section 152 of the Atomic Energy Act of 1954, as amended, the DOE hereby waives such rights.) The grantee hereby waives all claims for damages under Section 183 of Title 35 U.S. Code by reason of the imposition of any secrecy order on any patent application, and also any claim for just compensation or award, under the Atomic Energy Act of 1954, as amended, with respect to any invention or discovery made or conceived in the course of or in connection with work performed with the granted equipment.

11. The grantee agrees to comply with the DOE's regulations (Part 4 of Title 10, Chapter I, of the Code of Federal Regulations), as amended, implementing the provisions of Title VI of the Civil Rights Act of 1964.

12. At the end of the first year of use of the equipment, the institution agrees to provide the DOE with a report on
the use of the equipment; such reports will describe (1) any new courses instituted as a result of the grant of the equipment, (2) existing courses which have been expanded as a result of the grant of the equipment; or (3) other ways the equipment has been used to enhance courses, i.e., experiments, etc.

13. The grantee in signing this grant accepts the grant its terms and conditions and acknowledges that this agreement and the proposal referenced herein comprise the total agreement between the grantee and the DOE.
Appendix A
WHERE TO REVIEW EQUIPMENT LISTS

CALIFORNIA

Property Administration
Atomsics International Division
Rockwell International Corporation
P.O. Box 309
Canoga Park, California 91304
Attn: Mrs. Louise Hof
(213) 341-1000, Ext. 1911

Property Manager
Lawrence Berkeley Laboratory
University of California
Berkeley, California 97420
Attn: Mr. T. P. Hitchcock
(415) 843-2740, Ext. 5211

Business Services, L-145
Lawrence Livermore Laboratory
University of California
Livermore, California 94550
Attn: Ms. Doris Bionaz
(415) 447-1100, Ext. 8535

IOWA

Materials Handling and Property Office
Room 152, Spedding Hall
Ames Laboratory
Iowa State University
Ames, Iowa 50011
Attn: Mr. James W. Clark
(515) 294-6083

MISSOURI

Kansas City Area Office
United States Department of Energy
P.O. Box 202
Kansas City, Missouri 64141
Attn: Mr. Robert Bulcock,
Area Manager
(816) 363-2311, Ext. 3341

COLORADO

Rocky Flats Area Office
United States Department of Energy
P.O. Box 928
Golden, Colorado 80401
Attn: Mr. W. M. Lamb,
Area Manager
(303) 497-2025

NEVADA

Property Management
Nevada Operations Office
United States Department of Energy
P.O. Box 14100
Las Vegas, Nevada 89114
Attn: Mr. John Smits
(702) 734-3564

ILLINOIS

Supply Division, Property Management
Argonne National Laboratory
9700 South Cass Avenue
Argonne, Illinois 60439
Attn: Mr. Donald F. Coleman
(312) 739-7711, Ext. 4655

IDAHO

Property Management Branch
EG&G Nuclear Company
550 Second Street
Idaho Falls, Idaho 83401
(208) 526-0111, Ext. 2325
NEW YORK

Property Management
Building 211
Brookhaven National Laboratory
Upton, Long Island, New York 11973
Attn: Mrs. Grace Fales
(516) 345-2123, Ext. 2977

OHIO

Property Management
Mound Laboratory
Monsanto Research Corporation
P.O. Box 32
Miamisburg, Ohio 45342
Attn: Mr. Bruce Copsey
(516) 345-2123, Ext. 2977

TENNESSEE

Materials Department
Oak Ridge National Laboratory
P.O. Box X
Oak Ridge, Tennessee 37830
Attn: Mr. W. O. Graves
(615) 483-8611, Ext. 31844

NEW MEXICO

University Relations Division 4231
Sandia Laboratories
P.O. Box 5800
Albuquerque, New Mexico 87115
Attn: Mr. Dan Poole
(505) 264-2838

SOUTH CAROLINA

University Relations Office
Savannah River Laboratory
E. I. du Pont de Nemours and Company
Aiken, South Carolina 29801
Attn: Mr. J. W. Morris
(803) 824-6331, Ext. 2821

WASHINGTON

Property Management and Accounting
Pacific Northwest Laboratory
Battelle Memorial Laboratory
2718 Building, 300 Area
Richland, Washington 99352
Attn: Mr. Harold E. Clouse
(509) 942-3227

NEW YORK

Property Management
Building 211
Brookhaven National Laboratory
Upton, Long Island, New York 11973
Attn: Mrs. Grace Fales
(516) 345-2123, Ext. 2977

OHIO

Property Management
Mound Laboratory
Monsanto Research Corporation
P.O. Box 32
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Attn: Mr. Bruce Copsey
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Aiken, South Carolina 29801
Attn: Mr. J. W. Morris
(803) 824-6331, Ext. 2821

WASHINGTON

Property Management and Accounting
Pacific Northwest Laboratory
Battelle Memorial Laboratory
2718 Building, 300 Area
Richland, Washington 99352
Attn: Mr. Harold E. Clouse
(509) 942-3227
Appendix B
WHERE TO MAIL PROPOSALS FOR USED EQUIPMENT GRANTS

One copy of the proposal for each site where equipment is located should be sent to the responsible DOE Field Office as shown:

Mail to Following ERDA Office:                      If Equipment is Located at:

H. E. Roser, Manager                              Bendix Corporation (Missouri)
Albuquerque Operations Office                       Dow Chemical Company (Colorado)
United States                                      General Electric Company (Florida)
Department of Energy                                Los Alamos Scientific Laboratory (New Mexico)
P.O. Box 5400                                      Mound Laboratory Ohio
Albuquerque, New Mexico 87115                     Sandia Laboratories (New Mexico)
(505) 264-7231                                     ZIA Company (New Mexico)

Robert H. Bauer, Manager                          Ames Laboratory (Iowa)
Chicago Operations Office                        Argonne National Laboratory (Illinois)
United States                                    Brookhaven National Laboratory (New York)
Department of Energy                              Fermi National Accelerator Lab. (Illinois)
9800 South Cass Avenue                            Princeton Plasma Physics Lab. (New Jersey)
Chicago, Illinois 60439                           EG and G (Idaho)
(312) 739-7711

Charles E. Williams, Manager                     Reynolds Electric and Engineering Company, Inc. (Nevada)
Idaho Operations Office                          United States
United States                                    Department of Energy
550 2nd Street                                   P.O. Box 14100
Idaho Falls, Idaho 83401                          Las Vegas, Nevada 89114
(208) 526-0111                                    (702) 734-3211
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<tr>
<th>Manager</th>
<th>Office</th>
<th>United States</th>
<th>Department</th>
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<th>City</th>
<th>State</th>
<th>Zip</th>
<th>Area</th>
<th>Phone</th>
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<tr>
<td>Robert J. Hart</td>
<td>Oak Ridge Operations Office</td>
<td>United States</td>
<td>Department</td>
<td>P.O. Box E</td>
<td>E</td>
<td>Oak Ridge</td>
<td>Tennessee</td>
<td>37830</td>
<td>Goodyear Atomic Corporation (Ohio)</td>
<td>(615) 483-8611</td>
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<tr>
<td>Alex G. Fremling</td>
<td>Richland Operations Office</td>
<td>United States</td>
<td>Department</td>
<td>P.O. Box 550</td>
<td>550</td>
<td>Richland</td>
<td>Washington</td>
<td>99852</td>
<td>National Lead Company of Ohio (Ohio)</td>
<td>(509) 942-7395</td>
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<td>N. Stetson</td>
<td>Savannah River Operations</td>
<td>United States</td>
<td>Department</td>
<td>P.O. Box A</td>
<td>A</td>
<td>Aiken</td>
<td>South Carolina</td>
<td>29801</td>
<td>Gulf Energy and Environmental Systems (California)</td>
<td>(803) 824-6331</td>
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<td>Savannah River Ecology Laboratory (South Carolina)</td>
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