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ABSTRACT

This document is the result of a study to determine the general availability of free or low-cost energy-related educational materials for primary and secondary school students and educators. Some of the organizations represented in this list take policy positions on energy issues and express them in the school level materials. Contained in this list are the names, addresses, phone numbers, brief descriptive comments, and a description of the types of materials available for 31 different private and public organizations. Where possible, actual titles have been included with prices and availability. (CW)

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Selected Sources of Energy-Related Material for School Children and Educators

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 Energy Information Administration
 Washington, DC

May 1989

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PREFACE

This document is the result of a study undertaken by the National Energy Information Center (NEIC) to determine the general availability of free or low-cost energy-related educational materials for primary and secondary students and educators. The time limitations of the study prohibited an exhaustive contacting of all possible resources. Therefore, any organizations that are not included on the list and wish to be so should contact the NEIC at the following address:

National Energy Information Center, EI-231
Energy Information Administration
Room 1F-048, Forrestal Building
1000 Independence Avenue, SW
Washington, DC 20585
(202) 586-8800
(202) 586-1181 (TDD)

Some of the organizations represented on this list take policy positions on certain energy issues and express them even in school-level materials. Because the Energy Information Administration (EIA) is the independent statistical and analytical agency within the Department of Energy, it does not advocate any policy position of the Department or any other organization. EIA has completed this list solely to aid educators and students in locating materials. It is the responsibility of the educator to help his or her students draw conclusions about energy issues.

SELECTED SOURCES OF ENERGY-RELATED MATERIAL FOR SCHOOL CHILDREN
AND EDUCATORS

- o The Alliance to Save Energy
1925 K Street, NW - Suite 206
Washington, DC 20006
(202) 857-0666

A non-profit coalition of business, government, and consumer leaders.

Free poster available, "Pulling Energy Out of A Hat." Also available free is Your Home Energy Portfolio, a guide designed to help recognize energy conservation opportunities in your home. Suited for G7-12 grades.

- o American Association for Vocational Instructional Materials
120 Driftmier Engineering Center
Athens, GA 30602
(404) 542-2586

A tax-exempt, non-profit institute located at the University of Georgia.

A cooperative effort of universities, colleges, and divisions of vocational and technical education departments in the United States to provide excellence in vocational and instructional materials. Materials include publications, videos, computer software, and instructor training materials. These are available for nominal fees. Examples of publications are Understanding Electricity and Electrical Terms and Electric Energy. Free catalogs available on request.

- o American Coal Foundation
918 Sixteenth Street, NW - Suite 404
Washington, DC 20006-2902
(202) 466-8630

A tax-exempt, non-profit, educational foundation.

Free publications available, including a coal film guide. Also available free is a coal sample kit that contains actual samples of peat, lignite, bituminous coal, and anthracite in resealable bags, along with a brief description of the formation and different types of coal. Other material is available for a fee.

- o American Gas Association
Educational Programs
1515 Wilson Boulevard
Arlington, VA 22209
(703) 841-8400

A national trade association comprising approximately 300 gas distribution and transmission companies.

Acts as a clearinghouse on gas energy information. Ample educational materials for children on natural gas. Catalog available, Natural Gas Teaching Materials 1988-89.

- o American Nuclear Society
Public Communications Department
555 North Kensington Avenue
LaGrange Park, IL 60525
(312) 352-6611

A non-profit scientific and educational organization.

Free publications (single copies) available on nuclear energy and peaceful uses of the atom. Available are Nuclear Energy Facts Q&A, Nuclear Technology Creates Careers, Personal Radiation Dose Chart, and a simulated nuclear fuel pellet. Science and social studies curriculum materials, audiovisuals for K-12 levels available on loan (to duplicate) or at low cost. Request free catalog. Teachers may sign up for a free newsletter called re-actions, which contains articles on uses of the atom in everyday life and --in each issue-- an "activity card" with a project for classroom use.

- o American Petroleum Institute
Public Relations Department
1220 L Street, NW
Washington, DC 20005
(202) 682-8000

A national trade association that encompasses all branches of the petroleum industry.

Ample educational materials for grade school (and higher) on the petroleum industry. Some publications are free, such as The Language of Energy: A Glossary of Words and Phrases Used in the Energy Industry. Catalog available.

- o American Wind Energy Association
1730 N. Lynn Street, Suite 610
Arlington, VA 22209
(703) 276-8334

A trade association of the wind energy industry. Publications available free are Power from the Wind and Wind Energy, An Introduction. Also available free are a four-page fact sheet on wind and a two-page fact sheet on wind.

- o California Energy Extension Service
Governor's Office of Planning and Research
1400 Tenth Street, Room 209
Sacramento, CA 95814
(916) 323-4388

Educational materials for the teacher, including lesson plans and class activities. Materials for all grades from kindergarten to 6th are available.

Publication entitled: Energy Action in Schools, Animated Bibliography, A Sample of Energy Education Curriculum Materials: K-6. Lists available materials and where to obtain them.

- o Center for Environmental Information, Inc.
99 Court Street
Rochester, NY 14604
(716) 546-3796

A private, non-profit organization. Serves as a resource center for environmental and energy conservation information and education. Provides free on-call reference services. Prepares comprehensive bibliographies and conducts workshops and conferences on environmental topics. Some of these services include a nominal fee. The Air Resources Information Clearinghouse of CEI focuses on the topics of acid rain, global climate change, the greenhouse effect, and ozone depletion and on other issues affecting the earth's air resources. Environmental Education Report & Newsletter, which is geared to teachers and junior and senior high school students, is available free of charge. The Acid Rain Resource Guide is available for a nominal fee.

- o Conservation and Renewable Energy Inquiry
and Referral Service (CAREIRS)
U.S. Department of Energy
Post Office Box 8900
Silver Spring, MD 20907
(800) 523-2929

Provides information on the full spectrum of renewable energy technologies and energy conservation, grades 6-12.

All publications are free. Available are: Learning About Energy Conservation, and Learning About Renewable Energy.

- o Culver Company
400 Main Street
Stamford, CT 06901
1-(800)-4-CULVER

Publishes full color booklets and posters, which are distributed nationally through utilities to schools in the utilities' service areas. Materials available to others, and pricing is based on quantity.

Available are three different booklet formats, one for each reading level: Activity Booklets, Preschool-G5, Educational Cartoon Booklets, G1-6, Edu-Tainment Booklets for teenagers and adults. Free teacher's discussion guides available for all booklets.

- o Edison Electric Institute
Order and Billing
1111 19th Street, NW
Washington, DC 20036-3691
(202) 778-6400

The association of investor-owned electric utility companies. It suggests that you first contact your local electric power company (utility). Many local companies have educational programs about energy for schools.

EI publications catalog is free. Other publications are available at a cost.

- o Energy Source Education Council
Program Distribution Office
5502 E. Carson Street, Suite 250
Lakewood, CA 90713
(213) 420-6814

Has developed an Energy Source Education Program that is financially supported by member organizations (mostly utilities) from the private sector. Material is sold to the utility companies who then distribute it at no charge to classrooms in their service areas. Material is also available to others for a fee. Catalog available free of charge.

- o Enterprise for Education
1320-A Santa Monica Mall - Suite 202
Santa Monica, CA 90401
(213) 394-9864

Private support from local business and industry provide materials and teacher training free to school districts that are within funded areas. "Energy Skill Builders" provide short lessons on specific energy subjects. Purchases may be made directly by others who are interested.

- o Florida Governor's Office
The Capitol
Tallahassee, FL 32301
(904) 488-6764

Focus is on solar energy and conservation. Available publication, Energy and My Environment, Teachers Guide K-3 and 4 - 6.

- o Houston Lighting & Power Company
Corporate Community Relations - Educational Services
611 Walker
P.O. Box 1700
Houston, TX 77251
(713) 228-9211
(713) 229-7579

An investor-owned electric utility headquartered in Houston serving a 5,000-square-mile area on the Texas Gulf Coast. Educational services are provided free to educators in its service area and are available for grades K-12.

Services include classroom presentations, power plant tours, films, videotapes, publications and activity booklets for students, resources and newsletters for educators, and teacher in-service training, as well as teacher workshops and field trips for continuing state certification credit. In addition, curriculum supplements are available on science and social studies topics and on electrical safety and fuel sources.

- o Independent Petroleum Association of America
1101 Sixteenth Street, NW
Washington, DC 20036
(202) 857-4722

Represents independent oil and natural gas producers.
Pamphlet available (no bulk orders): The ABC's of Oil.

- o National Appropriate Technology Assistance Service (NATAS)
U.S. Department of Energy
Post Office Box 2525
Butte, MT 59702-2525
(800) 428-2525

Maintains lists of organizations that will supply educators with energy-related booklets, audiovisual materials, software, bibliographies, project contacts, kits, and equipment.

In addition, NATAS has consumer information pamphlets on insulation, wood stoves, appliances, water heaters, and furnaces.

- o National Energy Foundation
Resources for Education
National Office
5160 Wiley Post Way, Suite 200
Salt Lake City, UT 84116
(801) 539-1406

A non-profit educational organization providing educational resources and training services to educators. NEF is supported by resources from business, government, and education. Can order single issues or in bulk. Catalog is available upon request. Covers all energy sources for kindergarten through 12th grade.

- o National Park Service - AIR
Air Quality Division
12795 Alameda Drive - Room 215
Lakewood, CO 80228
(303) 969-2070

Manages programs concerned with the impact of air pollution on air quality and on resources of the National Park System. Available to teachers is a series of fact sheets and classroom material entitled Clearing-the-Air. Other free publications available include Air Quality in the National Parks and a Directory of Acid Rain and Air Quality Materials.

- o National Science Teachers Association
Division of Special Projects
5112 Berwyn Road
3rd Floor
College Park, MD 20740
(301) 220-0874

NSTA is the largest science teachers association in the United States, and works to improve the quality of science education nationwide. Available on a subscription basis is a bimonthly newsletter Energy & Education, which is directed at teachers. The newsletter lists new curriculum materials as well as more general information of interest to the energy education community.

- o National Wildlife Federation
8925 Leesburg Pike
Vienna, VA 22184-0001
(703) 790-4403

A private, non-profit conservation education organization. Programs include publishing magazines and books for children and adults, producing materials for educators, and sponsoring National Wildlife Week. Available publications include Acid Rain Corroding National Treasures (single copy free). The Amazing Energy Expedition and The Acid Rain Teacher's Kit are available for a nominal fee.

- o Nebraska Council on Economic Education
The University of Nebraska-Lincoln
College of Business Administration
Lincoln, NE 68588-0402
(402) 472-5612 or 472-2333 (Program Coordinator)

Source of energy-related curriculum materials, including instructional materials (films), video tapes, curriculum guide, slides, and resource books and materials.

- o Office of Scientific and Technical Information
U. S. Department of Energy
Oak Ridge, TN 37831
(615) 576-1301

Clearinghouse for general energy information, including pamphlets on conservation, nuclear, solar energy, wood, understanding your utility bills, and appliance labeling. Available in English and Spanish is a kit entitled: Science Activities in Energy. All publications are free.

- o Potomac Electric Power Company
PEPCO - Community Relations and Educational Services
1900 Pennsylvania Avenue, NW
Washington, DC 20068-0001
(202) 872-2975

An investor-owned electric utility serving the Washington area. PEPCO's educational services are free to educators in the areas PEPCO serves. Offerings include tours, puppet shows, films, classroom presentations, youth projects, environmental education, safety presentations, and literature. Booklets and posters for kindergarten through 12th grade are available.

PEPCO also has a series of Waste Watchers pamphlets on home appliances, insulation, heating and cooling energy guide, weatherization, and solar.

- o Renew America
1001 Connecticut Avenue, NW
Suite 719
Washington, DC 20036
(202) 466-6880

A non-profit educational organization providing State groups with information in setting local environmental agendas. Alternative Energy: A Guide to Free Information for Educators is available at no charge to teachers. The State of the States and The Oil Rollercoaster are available for a fee. Also available for a fee is a quarterly newsletter called Renew America Report. It contains information on important local and national environmental developments.

- o Scriptographic Booklets
Channing L. Bete Co., Inc.
200 State Road
South Deerfield, MA 01373-0200
1-(800) 628-7733

Publishes Scriptographic booklets and sells to public and private organizations in bulk (minimum of 25 copies). Pricing is based on total number of publications purchased.

"My Book" series, "Coloring and Activities Books," and "Information and Activities Books" are available for ages 9 through 12. They cover all energy activities. Catalogs available.

- o Shell Oil Company
Community and Constituent Affairs
Post Office Box 2463
Houston, TX 77252
(713) 214-2307

Underwrites costs to bring energy-related programs into the school systems that include a large number of children of Shell oil employees.

- o Take Pride in America
P. O. Box 1339-Y
Jessup, MD 20794
1-(800) 446-4253 or
(202) 343-1726

A national public awareness campaign designed to encourage wise use of the nation's natural and cultural resources. The program was coordinated by the Department of Interior and includes government agencies at all levels, private organizations and individual citizens. Free material is available, such as posters, buttons, decals, and a Youth Guide, which details participation in the program.

- o U.S. Council for Energy Awareness
1776 I Street, NW
Suite 400
Washington, DC 20006-2495
(202) 293-0770

A merger of the Atomic Industrial Forum and the U.S. Committee for Energy Awareness. It provides information on the role of nuclear energy and examines technological issues related to peaceful uses of nuclear technology. Some free publications, such as Electricity From the Atom. How Nuclear Plants Work is available for a small fee.

o U.S. Department of Energy
Public Affairs/Nuclear Division
1000 Independence Avenue, SW
Room 5A-157
Washington, DC 20585
(202) 586-9720

Nuclear energy educational materials are available, including historical and factual data on the nuclear industry. Numerous pamphlets discussing such issues as nuclear economics, design, and planning, etc. The History of Nuclear Energy and Understanding Radiation are two publications that are available. All are free.