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**ENERGY EDUCATION RESOURCES:
KINDERGARTEN THROUGH 12TH GRADE**

November 2000

Energy Information Administration
National Energy Information Center
U.S. Department of Energy
Washington, DC 20585

This report is available on the Web at:
<http://www.eia.doe.gov/bookshelf/eer/kiddietoc.html>
or
<ftp://ftp.eia.doe.gov/pub/pdf/other.docs/05462000.pdf>

Preface

Energy Education Resources: Kindergarten Through 12th Grade is published by the National Energy Information Center (NEIC), a service of the Energy Information Administration (EIA), to provide students, educators, and other information users a list of generally available free or low-cost energy-related educational materials.

The entries are listed alphabetically by organization title. Each entry includes the address, telephone number, and description of the organization and the energy-related materials available. Most of the entries also include Internet (Web) and electronic mail (E-Mail) addresses. In the back of the book there is a subject index cross-referenced by number to the alphabetical entries.

Some of the organizations represented in this list take policy positions on certain energy issues and express them even in educational materials. Because EIA is the independent statistical and analytical agency within the U.S. Department of Energy (DOE), it does not advocate any policy position of DOE or any other organization. EIA has completed this list solely to aid educators and students in locating materials.

Paula Altman of NEIC has updated and compiled *Energy Education Resources* annually since 1988. To include a new entry, contact her at the following address:

National Energy Information Center, EI-30
Energy Information Administration
Room 1E-238, Forrestal Building
1000 Independence Avenue, S.W.
Washington, DC 20585
(202) 586-8800 (9 a.m. to 5 p.m., Eastern time, M-F)
E-Mail: infoctr@eia.doe.gov

Copies of this publication are available free of charge from NEIC.

Contents

	Page
1 Air & Waste Management Association (A&WMA)	1
2 The Alliance to Save Energy	1
3 The Aluminum Association, Inc.	2
4 American Association for Vocational Instructional Materials	2
5 American Chemical Society	3
6 American Coal Foundation	3
7 American Council for an Energy-Efficient Economy (ACEEE)	4
8 American Electric Power	4
9 American Forest Foundation	5
10 American Geological Institute (AGI)	6
11 American Nuclear Society	6
12 American Petroleum Institute	7
13 American Plastics Council (APC)	7
14 American Public Power Association	8
15 American Solar Energy Society	8
16 American Wind Energy Association	8
17 Arizona Department of Commerce Energy Office	9
18 Aseptic Packaging Council	9
19 BP Amoco p.l.c.	10
20 Bronx Zoo/Wildlife Conservation Park	10
21 Bullfrog Films	11
22 California Energy Commission	12
23 California Foundation for Agriculture in the Classroom	12
24 The Center for Energy and Economic Development (CEED)	13
25 Channing L. Bete Publishing Co., Inc.	13
26 Charles Edison Fund	14
27 The Chlorine Chemistry Council (CCC)	14
28 City Public Service (CPS)	15
29 City Utilities of Springfield	15
30 Cobblestone Publishing Company	16
31 Constellation Energy Group	16
32 The Consumer Aerosol Products Council	16
33 Culver Company	17
34 Creative Teaching Press	17
35 Denver Earth Science Project	18

36	Disney Educational Productions	18
37	E2: Environment & Education	19
38	Earth Foundation	20
39	Edison Electric Institute (EEI)	20
40	Educational Development Specialists	21
41	Energy Source Education Council	21
42	Educational Dividends	22
43	EnergyNet U.S.	22
44	Enterprise for Education, Inc.	22
45	Environmental Hazards Management Institute (EHMI)	23
46	EV Media	24
47	Film and Bag Federation	25
48	Florida Power & Light Company	25
49	Florida Solar Energy Center (FSEC)	26
50	Foodservice & Packaging Institute, Inc.	26
51	Frey Educational Resources	27
52	Fuel Cells 2000	27
53	General Atomics Sciences Education Foundation	28
54	Geothermal Education Office	28
55	GPU Energy	29
56	Hawaiian Electric Company, Inc	29
57	Honolulu Clean Cities	30
58	Illinois Department of Commerce and Community Affairs	30
59	Independent Petroleum Association of America	31
60	The Institute for Chemical Education (ICE)	31
61	Integrated Waste Services Association	32
62	JEA	33
63	Johnson Controls, Inc.	33
64	Keep America Beautiful, Inc.	34
65	Kids For A Clean Environment (Kids F.A.C.E.®)	34
66	Kissimmee Utility Authority (KUA)	35
67	The Learning Works	35
68	Midwest Renewable Energy Association	36
69	Mineral Information Institute (MII)	36
70	Minnesota Department of Commerce - Energy Division	37
71	National Aeronautics and Space Administration (NASA)	37
72	National Arbor Day Foundation	38
73	National Association of Conservation Districts (NACD)	38
74	National Corn Growers Association	39
75	National Cotton Council of America	39

76	National Council on Economic Education	40
77	National Energy Education Development Project (NEED)	41
78	National Energy Foundation (NEF)	41
79	National Geographic Society	42
80	The National Hydropower Association	42
81	National Mining Association	43
82	National Network of Energy and Environmental Education Professionals	43
83	National Propane Gas Association	44
84	National Rural Electric Cooperative Association	44
85	National Science Resources Center (NSRC)	44
86	National Science Teachers Association	45
87	National Wildlife Federation	46
88	Natural Gas Supply Association (NGSA)	46
89	The Natural Gas Vehicle Coalition	47
90	New York State Geological Survey/State Museum	47
91	The NoodleHead Network	48
92	North Carolina Solar Center	48
93	Northeast Sustainable Energy Association (NESEA)	49
94	Northeast Utilities	50
95	Nuclear Energy Institute	51
96	Nuclear Information and Resource Service	51
97	OG&E Electric Services	52
98	Ohio Energy Project (OEP)	52
99	Ohio Oil & Gas Association	53
100	Oklahoma Energy Resources Board	54
101	Omaha Public Power District	54
102	Pacific Gas & Electric Company	55
103	PPL Utilities	55
104	Polystyrene Packaging Council	56
105	Procter & Gamble	56
106	Propane Education & Research Council	56
107	The Radon Group, Ltd.	57
108	Railroad Commission of Texas	58
109	Reliant Energy HL&P	59
110	Renew America	59
111	Renewable Fuels Association	60
112	Renewable Energy Policy Project (REPP) and Center for Renewable Energy and Sustainable Technology (CREST)	60
113	Safe Energy Communication Council	61
114	Science Screen Report	61

115	Science Service	62
116	Shell Oil Company	62
117	SME	63
118	Society of Automotive Engineers	63
119	Solar Energy Industries Association	64
120	Solar Now, Inc.	64
121	Steel Recycling Institute	65
122	The Wilds	65
123	Troll School and Library	66
124	Union of Concerned Scientists	66
125	University of Florida	67
126	University of Illinois at Urbana-Champaign	67

U.S. Department of Agriculture

127	Natural Resources Conservation Service (NRCS)	68
------------	---	----

U.S. Department of Commerce

128	National Oceanic & Atmospheric Administration (NOAA)	69
------------	--	----

U.S. Department of Education

129	ERIC Clearinghouse for Science, Mathematics, and Environmental Education	69
130	Office of Educational Research and Improvement (OERI)	70

U.S. Department of Energy

131	Argonne National Laboratory	70
132	Bioenergy Feedstock Development Program	71
133	Bonneville Power Administration	71
134	Carbon Dioxide Information Analysis Center (CDIAC)	72
135	Clean Cities Hotline	73
136	Energy Efficiency and Renewable Energy Clearinghouse (EREC)	73
137	Los Alamos National Laboratory	74
138	National Alternative Fuels Hotline	74
139	National Energy Information Center (NEIC)	75
140	National Energy Technology Laboratory	76
141	National Low Level Waste Management Program	76
142	National Renewable Energy Laboratory	77
143	Office of Civilian Radioactive Waste Management	77
144	Office of Nuclear Energy, Science and Technology	78
145	Office of Scientific and Technical Information (OSTI)	78

146	Pacific Northwest National Laboratory	79
147	Western Area Power Administration	79

U.S. Department of the Interior

148	Bureau of Land Management (BLM)	80
149	Minerals Management Service (MMS)	81
150	Office of Surface Mining Reclamation & Enforcement (OSMRE)	81
151	U.S. Environmental Protection Agency (EPA)	82
152	U.S. Federal Consumer Information Center	83
153	Videodiscovery, Inc.	84
154	Water Environment Federation	84
155	Waverly Light and Power	85
156	Westinghouse Electric Company	85
157	Wisconsin Public Service Corp.	86
158	Women in Mining, Inc. (WIM)	86
159	Xcel Energy	87
	SUBJECT INDEX	88

Air & Waste Management Association (A&WMA)

One Gateway Center, Third Floor
Pittsburgh, PA 15222
(412) 232-3444
Fax: (412) 232-3450
E-Mail: info@awma.org
Web: <http://www.awma.org>

Founded in 1907, A&WMA is a nonprofit, technical, and educational organization with over 12,000 members in 69 countries. This worldwide network represents many disciplines: physical and social sciences, health, engineering, law and management. It serves its members and the public by promoting environmental responsibility; provides technical and managerial leadership in the areas of air pollution control, environmental management, and waste processing and control.

Provides educational materials for teachers and students in kindergarten through grade 12. Materials are designed to improve the environmental literacy of students and educators and introduce them to actions that they can take to reduce waste, conserve energy, and develop pollution prevention plans. Materials include fact sheets and information books on such topics as air pollution, pollution prevention, recycling, hazardous waste, landfills, and others. A&WMA also produces *Environmental Resource Guides (ERG's)* on air quality and nonpoint source pollution prevention, which focuses on water quality and runoffs. The *ERG's* are supplementary curricula with a hands-on, interdisciplinary approach to environmental education. We encourage A&WMA members and other interested parties to sponsor local teacher-training workshops. The workshops provide teachers an opportunity to participate in ERG activities and create an ongoing dialogue between environmental professionals and the educational community. Contact A&WMA headquarters to find out about teacher-training opportunities in your area or to order public education materials. **1**

The Alliance to Save Energy

1200 18th Street, N.W., Suite 900
Washington, DC 20036
(202) 857-0666
Fax: (202) 331-9588
E-Mail: info@ase.org
Web: <http://www.ase.org>

A nonprofit coalition of business, government, environmental, and consumer leaders, who promote the efficient and clean use of energy worldwide to benefit consumers, the environment, the economy, and national security. The Alliance was founded in 1977 by Senators Charles H. Percy (R-IL) and Hubert H. Humphrey (D-MN).

The Alliance's Green Schools Program is a comprehensive energy savings program for schools that incorporate energy education and energy saving activities in and around the school building. Students begin to understand energy and its link to the environment and economics, and the schools benefit by cutting energy costs. The Green Schools Program brochure, select instructional materials, program contact information and more are available online at: <http://www.ase.org/greenschools>.

Free single copies of the *Power\$mart: Easy Tips to Save Money and the Planet*, consumer booklet of strategies on saving energy at home, can be obtained by order form on the web site above or by calling the number above. **2**

The Aluminum Association, Inc.

900 19th Street, N.W.
Washington, DC 20006-2168
(202) 862-5100
Fax: (202) 862-5164
Web: <http://www.aluminum.org>

A trade association representing the U.S. aluminum industry. Serves as principal source of information on aluminum and the industry.

Provides information on recycling. Available free of charge is a brochure entitled *Aluminum Recycles*. Free catalogs are also available. **3**

American Association for Vocational Instructional Materials

220 Smithonia Road
Winterville, GA 30683
1-(800) 228-4689
(706) 742-5355
Fax: (706) 742-7005
E-Mail: ksseab@aavim.com
Web: <http://www.aavim.com>

A nonprofit developer, publisher, and distributor of materials for vocational education.

Provides vocational instructional materials on electricity and electrical energy. Included are publications, computer software, and videos for reasonable fees. A free catalog is also available upon request. Publications available include *Understanding Electricity*; *Electrical Wiring*; *How Electric Motors Start and Run*; *Fuels and Lubricants*; *Electric Motors*; and *Electrical Controls*. **4**

American Chemical Society

1155 16th Street, N.W.
Washington, DC 20036
(202) 872-4590
Fax: (202) 833-7732
E-Mail: m_tinnesand@acs.org
Web: <http://www.chemcenter.org>

The world's largest scientific society, with a membership of over 150,000 chemists and chemical engineers.

Publishes educational materials for use in grades 4 through 12. *Best of Wonder Science Volumes I and II* offer hundreds of hands-on activities for elementary school students; *ChemMatters*, an award-winning magazine for high school students, relates chemistry to everyday life (published quarterly, back issues are available); and *ChemCom*, also for high school students, a chemistry textbook that combines an emphasis on the role of chemistry in everyone's life with basic chemical knowledge. All three products deal with such energy-related topics as electricity, recycling, nuclear energy, and the environment. A free *Teaching Resources Catalog* is available upon request. **5**

American Coal Foundation

1130 17th Street, N.W., Suite 220
Washington, DC 20036-4604
(202) 466-8630
Fax: (202) 466-8632
E-Mail: acf-coal@mindspring.com
Web: <http://www.acf-coal.org>

A nonprofit educational organization supported by a coalition of coal producers, electric utilities, railroads, mining equipment manufacturers and suppliers and organized labor.

Teachers can receive free educational materials/teacher packages and coal samples. These materials include: general information brochures on coal, electricity and land reclamation; coloring and activity book; activity book with teacher guide; activities for elementary and secondary students; coal samples; a coal video guide; a science fair ideas brochure; and posters. Additional copies and other material (video, CD-ROM) are available for a nominal charge. When ordering, include organization/school, address, phone/fax numbers, and grade level. Contact above for information. Place order with West Glen Communications, 1430 Broadway, New York, NY 10018, 1-800-325-8677, 212-921-9536 (fax). **6**

American Council for an Energy-Efficient Economy (ACEEE)

1001 Connecticut Avenue, N.W., #801
Washington, DC 20036
(202) 429-8873
Fax: (202) 429-2248
E-Mail: info@aceee.org
Web: <http://aceee.org>

An independent, nonprofit organization dedicated to advancing energy efficiency as a means of promoting both environmental protection and economic prosperity.

Publishes a variety of books, reports, consumer guides, and fact sheets. Material covers energy use, efficiency, and related environmental issues in buildings, industry, and transportation. ACEEE's books and reports are written primarily for adults and concern energy-efficient technologies and policies. In addition, the *Consumer Guide to Home Energy Savings* is a popular illustrated handbook for consumers, and is a suitable teaching resource for grades 8 through 12. The *Green Guide to Cars and Trucks*, updated annually, is a first-of-its-kind consumer guide that ranks vehicles according to environmental friendliness. These materials are available for a fee and are described in a free catalog. 7

American Electric Power

Corporate Communications Community Relations
1 Riverside Plaza
Columbus, OH 43215
(614) 223-1668
Fax: (614) 223-1682
E-Mail: blschumann@aep.com
Web: <http://www.aep.com>

An investor-owned utility providing energy to 4.8 million customers in Arkansas, Indiana, Kentucky, Michigan, Ohio, Oklahoma, Tennessee, Texas, Virginia and West Virginia.

Provides free educational services to kindergarten through grade 12 educators in areas served by American Electric Power. Internet resources at the Web site listed above include "The Electric Universe," for students, teachers and parents; and "Learning from Light" and "Learning from Wind," featuring graphs of actual solar and wind power generation at participating schools and sites. Other services may include publications, activity booklets, information centers, tours and nature trails, video tapes and computer software for teachers and students. Educator workshops also may be available in some states. 8

American Forest Foundation*Project Learning Tree*

1111 19th Street, N.W., Suite 780

Washington, DC 20036

(202) 463-2462

Fax: (202) 463-2461

E-Mail: info@plt.orgWeb: <http://www.plt.org>

Develops, funds, and administers programs that encourage the long-term stewardship of our natural resources. The Foundation's core programs are Project Learning Tree (PLT) and American Tree Farm System.

PLT is sponsored nationally by the American Forest Foundation, a nonprofit education and conservation organization. The program is sponsored at the state level by a variety of state natural resource and education agencies. Crafted to meet state and national standards, PLT provides all the tools educators need to bring the environment into their classrooms – and their students into the environment. PLT's supplementary curriculum guide, *Project Learning Tree: Environmental Education Pre-kindergarten through Grade 8 Activity Guide* (96 multidisciplinary activities) focuses on the total environment: land, air, and water. It is local, national, and global, in scope. The curriculum underscores PLT's primary goal – to increase students' understanding of our complex environment. PLT is designed to teach students *how* to think, not *what* to think about environmental issues. The curriculum remains easily adaptable to many settings from the classroom to youth organizations, museums, nature centers, and Scout troops. Also provides secondary education teachers with a series of topic-specific modules that challenge students to explore every facet of an issue – illustrating the complexity of real-life environmental decisions. PLT curricular materials are available through local workshops. Contact PLT for the name of the program coordinator in your state.

PLT provides kindergarten through grade 8 supplementary energy materials, which complement the PLT pre-kindergarten through grade 8 curriculum guide, that seek to raise awareness and promote critical thinking about the myriad links between energy and society. Energy supplements include a music CD and dance video, poster series and study guide for educators, and an energy education web site. PLT's secondary education module "Exploring Environmental Issues: Municipal Solid Waste" helps students explore roots and solutions of this universal urban environmental issue.

American Geological Institute (AGI)

4220 King Street
Alexandria, VA 22302-1502
(703) 379-2480
Fax: (703) 379-7563
E-Mail: agi@agiweb.org
Web: <http://www.agiweb.org>

Established in 1948, the American Geological Institute (AGI) is a nonprofit federation of 35 member organizations representing more than 100,000 geoscientists.

AGI's goals are to advance and promote the geosciences through improved public information, expanded professional services to the geoscience community, and increased earth science educational programs at the college and precollege levels. AGI distributes information on earth science education through several mechanisms. This includes publications such as high school and middle school based curriculum (in production), a monthly magazine entitled *Geotimes*, brochures and outreach programs such as workshops and presentations. Careers in the Geosciences (1-10 copies) is one of the free brochures available. AGI sponsors an Earth Science Week each year during the second full week of October. For information about Earth Science Week packets, see the AGI Web page or contact AGI. AGI publications are available on a secure Web site at: <http://www.agiweb.org/pubs/>. **10**

American Nuclear Society

Outreach Department
555 North Kensington Avenue
LaGrange Park, IL 60526
(708) 352-6611
Fax: (708) 352-0499
E-Mail: outreach@ans.org
Web: <http://www.ans.org>

A nonprofit scientific and educational organization of professionals in the field of nuclear science and technology.

Offers free publications (single copies) on nuclear energy and uses of the atom. Available materials include *Nuclear Energy Facts Q&A*, *Nuclear Technology Creates Careers*, *Personal Radiation Dose Chart*, and a simulated nuclear fuel pellet. A free catalog is available upon request by mail or electronic mail at outreach@ans.org. Teachers may sign up for the free newsletter *ReActions*, which contains articles on uses of the atom in everyday life and--in each issue--an "activity card" with a project for classroom use. Short workshops and sessions are held throughout the year at exhibits, conferences, in-service training, and by invitation. **11**

American Petroleum Institute

Public Relations Department
1220 L Street, N.W.
Washington, DC 20005
(202) 682-8118
Web: <http://www.api.org>

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

Supplies educational materials on the petroleum industry to teachers at no charge. Available materials include a video for middle school students that illustrates with pop music and dance the often invisible role that petroleum products play in our lives. Entitled "Fuel-Less, You Can't Be Cool Without Fuel," is also being distributed by the National Science Teachers Association. One per classroom. *Running on Oil* is a booklet which includes an eight-page feature article on oil; a large colorful poster for classroom display; and classroom activities demonstrating the scientific properties and role of oil in modern life. One per classroom. Available in classroom sets of up to 35 is an oil barrel-shaped card entitled Facts About Oil, which contains oil industry facts including the number of people who work in the industry, used motor oil collection, gasoline taxes paid, and petroleum products and petrochemicals made from a barrel of crude oil. Also available is a brochure entitled *Facts About Natural Gas* and a new publication entitled *All About Petroleum*. **12**

American Plastics Council (APC)

1300 Wilson Boulevard, Suite 800
Arlington, VA 22209
1-(800) 2-HELP-90
(703) 253-0700
Fax: (703) 253-0701
Web: <http://www.plastics.org>

APC is a national trade association representing 26 of the nation's largest resin producers, including monomer and polymer production and distribution. Founded in 1988, APC works to make plastics a preferred material by demonstrating they are a responsible choice in a more environmentally conscious world.

APC has launched an interactive, on-line version of their *Hands on Plastics: A Scientific Investigation Kit* curriculum, which can be found at www.handsonplastics.com. The curriculum, developed in its original format in conjunction with the National Middle Level Science Teachers Association, features background information on plastics and polymers, multi-media examples of classroom activities, and ties to the National Science Education Standards. The information is also available on a CD-ROM, which is included in the free kit of supplemental materials that can be ordered, along with other APC publications, on-line. **13**

American Public Power Association

2301 M Street, N.W., Suite 300
Washington, DC 20037
(202) 467-2900
Fax: (202) 467-2910
E-Mail: mrufe@appanet.org
Web: <http://www.appanet.org>

A service organization for not-for-profit community-owned electric utilities.

Provides various general information pamphlets, including *The Benefits of Public Power*; *Careers in Public Power*; and *All About Electricity and 10 Ways Kids Can Save It*. Offers two history books *Profile of Power* and *Season of Change*, an update covering mid-1996 to 1998. Also available are two videos, "Simple Things You Can Do To Save Energy: and "Simple Things You Can Do To Save Energy In Your School." The videos were developed through the APPA DEED (Demonstration of Energy Efficient Developments) program. Publications and videos are offered for a nominal fee. A free catalog is available. DEED scholarship information for college students is available at the above web site under Research and Development. **14**

American Solar Energy Society

2400 Central Avenue, Suite G-1
Boulder, CO 80301
(303) 443-3130
Fax: (303) 443-3212
E-Mail: ases@ases.org
Web: <http://www.ases.org>

A national membership association dedicated to advancing the use of solar energy.

Offers sample copies of its magazine *Solar Today* and publication catalog. Has one science project book, *Elementary and Secondary Science Projects in Renewable Energy and Energy Efficiency*, available for a fee. **15**

American Wind Energy Association

122 C Street, N.W., Suite 380
Washington, DC 20001
(202) 383-2500
Fax: (202) 383-2505
E-Mail: windmail@awea.org
Web: <http://www.awea.org>

The American Wind Energy Association (AWEA) represents wind energy as a technology that is economically and technically viable today.

Offers an Educator's Packet on wind energy including: the current *Wind Energy Status Report*, which outlines the domestic and international growth of the wind industry; the *Basic Facts About Wind Energy*, which discusses the scale of wind projects as well as economic development; and a *Wind Energy Information Guide*, a compilation of further sources to contact for information about wind energy. Packets are free upon request. Other educational materials such as videos and posters are available for a fee through the AWEA online publications listing. Educators are encouraged to visit the AWEA Web site as well. **16**

Arizona Department of Commerce Energy Office

3800 N. Central, Suite 1200
Phoenix, AZ 85012
(602) 280-1402
Fax: (602) 280-1445
E-Mail: jima@ep.state.az.us
Web: <http://www.commerce.state.az.us/>
<http://azsolarcenter.com>

A DOE-funded program that emphasizes an energy efficiency curriculum for students in kindergarten through grade 12.

Provides the following materials and service for primary and secondary schools. Solar Education Packet for Teachers; *Bright Ideas* (single-topic publication covering energy and the environment, recycling, solar cooking, and photovoltaics); and the Solar Energy Institute (a week-long summer camp for high school students that explores various solar technologies). **17**

Aseptic Packaging Council

P.O. Box 3794
Washington, DC 20007
1-(800) 277-8088
Web: <http://www.aseptic.org>

A trade association representing the U.S. manufacturers of drink boxes. The APC's primary mission is to inform the American public about the product benefits and environmental attributes of aseptic packaging.

Offers free educational materials on recycling issues for teachers and students. *Waste Wise: Concepts in Waste Management*, a teacher's discussion guide, can be adapted for particular classes from kindergarten through grade 12. We also have available a poster, *What's New In Recycling*, which complements the teaching guide. A general information brochure may also be ordered. **18**

BP Amoco p.l.c.

535 Madison Avenue
New York, NY 10022
(212) 421-5010
Fax: (212) 421-5084
Web: <http://www.bp.com>

The holding company of one of the world's largest petroleum and petrochemicals groups. Main activities are exploration and production of crude oil and natural gas; refining, marketing, supply and transportation; and manufacturing and marketing of petrochemicals with a growing activity in gas and power and in solar power generation.

The *BP Educational Resources Catalogue* offers a full range of school resource materials. Some of the items in the catalogue are available for a fee. Access it at <http://www.bpes.com>.

The *BP Statistical Review of World Energy* is a booklet containing information on world energy supplies and demand, includes data on oil, gas, coal, nuclear, and hydro in terms of reserves, production, and consumption for a 10-year period before the current year. Also available is *BP Amoco Alive*, an annual environmental and social update. These publications are free to teachers.

Science Across America makes it possible for students to exchange their scientific work with others throughout the United States and around the world. The program includes eight teaching modules designed for students in grades 7 through 12. The units deal with those issues that are of international environmental interest (e.g., energy and drinking water quality) and are common to science courses internationally. There is a fee that includes lifetime registration on a worldwide database of participating schools. For more information, write to the address above or access <http://www.scienceacross.org>. **19**

Bronx Zoo/Wildlife Conservation Park

Education Department
2300 Southern Boulevard
Bronx, NY 10460
1-(800) 937-5131
Fax: (718) 220-1057
Web: <http://www.wcs.org/education>

The purpose of the Wildlife Conservation Society (WCS), since its founding in 1895 as the New York Zoological Society, has been to save wildlife and inspire people to care about our natural heritage. The Society continues to pioneer environmental education programs throughout the U.S. and abroad. It has the world's leading international conservation program devoted to saving endangered species and ecosystems.

WCS offers Voyage From the Sun, a 20-lesson classroom science module for grades 4 through 9. Developed with funding from the U.S. Department of Energy, Voyage is designed to introduce students to the major way in which energy is important to wildlife, focusing on the rain forest and tundra habitats. It encourages students to explore the story of Earth's energy--its solar origins, how it is incorporated into living systems through photosynthesis, and how it flows from plants to animals.

During Voyage training workshops, teachers learn strategies for making the study of energy fun and exciting. Teachers receive first-hand training in how to guide their students as the Energy Pyramid becomes a classroom exhibit. Through activities such as Photosynthesis Scramble and Conserving Energy: Tundra Math, teachers build the confidence to lead students on a voyage of discovery as they explore how energy is central to biology and how it links the natural and physical sciences. For more information, call the Director of National Programs at the number above. **20**

Bullfrog Films

P.O. Box 149
Oley, PA 19547
1-(800) 543-3764
Fax: (610) 370-1978
E-Mail: video@bullfrogfilms.com
Web: <http://www.bullfrogfilms.com>

An educational film distributor that offers the largest collection of energy films and videos in the country.

Provides educational films and videos on energy and energy-related issues. Titles include: *Biogas from the Sea*; *Building the Brookhaven House*; *Design with the Sun*; *the Four Corners: A National Sacrifice Area?*; *Global Warming: Turning Up the Heat*; *How to Keep the Heat in Your House*; *Kilowatts from Cowpies: The Methane Option*; *In Our Own Backyards: Uranium in the U.S.*; *Lovins on the Soft Path*; *An Energy Future with a Future: Opening Your House to Solar Energy*; *Radiation: Impact on Life*; *Rising Waters: Global Warming and the Fate of the Pacific Islands*; *River Town*; *Running Out of Steam*; *Silent Sentinels*; *Turning Down the Heat: The New Energy Revolution*; *A Visit with Amory and Hunter Lovins*; *Water Power*; *The Energy Bank*; *Energy Efficiency*; *Energy, Technology and Society*; *Harness the Wind*; *Living Under the Cloud: Chernobyl Today*; *Race for the Future*; *An Energy-Efficient Doghouse*; *Solar Energy Doghouse*; *City Lights*; *Rethink-Pollution Prevention Pays*; *Recycling With Worms*; *Planet Neighborhood*; *It's Eco-Logic* and *Wake Up Freddy*, in the tradition of Bullfrog's classic *Toast*. Programs are available for purchase or rental. Special packages, with discounted prices, can be created to serve most schools' needs. A free catalog is available upon request. **21**

California Energy Commission

1516 9th Street, MS-29

Sacramento, CA 95814

(916) 654-4989

Fax: (916) 654-4420

E-Mail: cecetec@energy.ca.govWeb: <http://www.energy.ca.gov/education> (Energy Quest)<http://www.energy.ca.gov> (Energy Commission main page)

The California Energy Commission is the State's principal energy planning organization, promoting a balanced and competitive energy system through its diverse programs.

Provides the following printed energy and environmental education material for kindergarten through grade 12 (more resources online): Compendium for Human Communities and Compendium for Energy Resources (curriculum evaluation); Universal House; Energy Shelter & the California Indian; Conserve and Renew; Let's Get Energized. *Energy Quest*, an online resource for students, teachers and parents is dedicated solely to energy education and features information on renewable energy, conservation, safety, energy-related math and science experiments; Ask Professor Quester (for energy questions); word games and links to other resources. *Devoured by the Dark* is a Goosebumps-like energy story exploring a travel-through-time adventure for children. The Energy Commission's main Web page is geared towards the adult and older student (grades 10 through 12) for energy information. **22**

California Foundation for Agriculture in the Classroom

2300 River Plaza Drive

Sacramento, CA 95833

(916) 561-5625

Fax: (916) 561-5697

E-Mail: cfaitc@cfbf.comWeb: <http://www.cfaitc.org>

A nonprofit educational foundation that provides educational resources and training for teachers to use agriculture as an integration theme throughout kindergarten through grade 12 curricula.

Teachers may request free or low-cost items including lesson plans, comprehensive classroom units, videos, a resource guide, and the *Cream of the Crop* newsletter. Most programs are specific to California but a limited number of resources may be available for use in other States. Among lesson plans available, some have Spanish language worksheets. All lesson plans are correlated with California curriculum frameworks and undergo extensive field testing in the classroom and teacher and technical review. The Foundation encourages classroom integration of agriculture to increase the understanding of its vital role in our lives. Agriculture provides a

theme which encourages hands-on activities to reinforce concepts in science/environment, mathematics, English/language arts, history/social science, health/nutrition, physical education and the visual and performing arts. Contact with the Foundation is a good starting point for teaching other agriculture-related groups that produce educational resources. Educational materials developed by industries and organizations related to agriculture are reviewed by the Foundation and listed in an annually updated Teacher Resource Guide. **23**

The Center for Energy and Economic Development (CEED)

1800 Diagonal Road, Suite 370
Alexandria, VA 22314
(703) 684-6292
Fax: (703) 684-6297
E-Mail: info@ceednet.org
Web: <http://www.ceednet.org>

A nonprofit organization dedicated to preserving coal's role as an economical, efficient, and environmentally compatible source of electricity.

Provides information related to low-cost, reliable, environmentally compatible electricity. Coal, America's most abundant domestic energy resource, is responsible for approximately 60 percent of the electricity generated in America. Coal-fired electricity generation brings benefit to Americans from all walks of life. CEED provides resource materials related to coal-fired electricity generation. Most CEED materials are available through the Web site listed above. **24**

Channing L. Bete Publishing Co., Inc.

200 State Road
South Deerfield, MA 01373-0200
1-(800) 628-7733
Fax: 1-(800) 499-6464
E-Mail: custsvc@channing-bete.com
Web: <http://www.channing-bete.com>

A publishing firm specializing in Scriptographic Booklets. Most utilities provide them to schools in their service territories free of charge; however, the booklets are available from the publisher for a fee.

Offers *My Book* series, designed for students in kindergarten and grade 1; *Coloring and Activities Books* for students in grades 1 through 3; and *Information and Activities Books* for students in grades 4 through 6. Water, Electric and Energy Conservation stickers and growth charts are also available. Contact your local utility for availability or call the above number. Provides educational services fulfillment for utilities. **25**

Charles Edison Fund

One Riverfront Plaza, 4th Floor
Newark, NJ 07102
(973) 648-0500
Fax: (973-648-0400
E-Mail: info@charlesedisonfund.org
Web: <http://www.charlesedisonfund.org>

A charitable foundation providing science teachers with simple, basic, proven fun experimental booklets containing 82 experiments.

Provides "The Best of Edison Science Teaching Kits," which are available to teachers. Each kit contains nine how-to booklets based on experiments of Thomas Edison and other scientists. These are suitable for grades 4 through 8. Titles include: *Energy for the Future*; *Useful Science Projects*; *Environmental Experiments*; *Selected Experiments and Projects*; *Nuclear Experiments*; *Energy Conservation*; *Alternative Energy Sources*; *Static Electricity -- It's a Snap*; and *Lewis Howard Latimer Experiments*. There is a small fee for handling charges. Write for coupon to receive this kit. There are also experiments at the above web site, which can be downloaded free of charge. **26**

The Chlorine Chemistry Council (CCC)

1300 Wilson Boulevard
Arlington, VA 22209
(703) 741-5829
Fax: (703) 741-6829
E-Mail: info@science-education.org
Web: <http://www.science-education.org>

The Chlorine Chemistry Council (CCC), part of the American Chemistry Council, provides information to the public regarding chlorine and promotes the practice and understanding of the responsible use for chlorine chemistry.

Making the connection between the periodic table and real life can be challenging, particularly for middle school students. CCC offers hands-on materials designed to introduce basic chemistry and the periodic table. By taking a look at one element -- chlorine -- teachers can help students understand the link between chemical "building blocks" and daily life without tackling the whole periodic table at once. The hand-outs, experiments, and lesson guides in the Building Block Chemistry Program were developed by teachers for teachers to help students explore their world. For **FREE** classroom materials, write to the address above.

City Public Service (CPS)
Consumer Services Section
P.O. Box 1771
San Antonio, TX 78296-1771
(210) 353-2300
Fax: (210) 353-4327
E-Mail: pmbernal@cps-satx.com
Web: <http://www.citypublicservice.com>

A municipally owned natural gas and electric utility serving substantially all of Bexar County and small portions of seven adjacent counties.

Provides safety and energy educational services free of charge to schools **in the CPS service area**. Services include classroom presentations, a video tape library, curriculum supplements, Electric Universe Web site, Energy Education Center and power plant tours. A free *School Safety & Energy Education Program Catalog* is available upon request. **28**

City Utilities of Springfield
301 E. Central
P.O. Box 551
Springfield, MO 65801-0551
(417) 831-8311
Fax: (417) 831-8454
E-Mail: cshafer@cityutil.com
Web: <http://www.bringingpowerhome.com>

A municipal utility serving the metropolitan area of Springfield with electricity, natural gas, and water.

Provides educational services free to instructors **in areas served by City Utilities**. Offers tours to power plants and water treatment plants, classroom presentations, speakers' bureau, and purchased curriculum materials for students in kindergarten through grade 12. City Utilities also has a special unit, "Are You Being Safety Conscious Around Electricity". Single copies are available to teachers outside City Utilities' service area. **29**

Cobblestone Publishing Company

30 Grove Street, Suite C
Peterborough, NH 03458
1-(800) 821-0115
Fax: (603) 924-7380
E-Mail: custsvc@cobblestone.mv.com
Web: <http://www.cobblestonepub.com>

A publishing firm specializing in magazines for children and teaching resources.

Publishes educational materials for students in grades 2 through 9. Energy-related titles are: *Energy: Powering Our Nation*; *Recycling*; *Earth: A Global Spaceship*; *Planet Earth: Home Sweet Home*; *Amazing Weather*; *Year of the Ocean*; *Night Feeders*; *California: Water*. Materials may be purchased from the publisher. Free catalogs are available upon request. **30**

Constellation Energy Group

Educational Services
P.O. Box 1475
Baltimore, MD 21203-1475
(410) 234-7484
Fax: (410) 234-7471
E-Mail: lorraine.t.jackson@constellation.com
Web: <http://www.constellation.com>

A holding company with wholesale power marketing, merchant energy, and other energy businesses. Also owns Baltimore Gas and Electric Company (BGE), an investor-owned utility serving Baltimore City and all, or part of, nine Central Maryland counties.

Provides educational services free of charge to schools in BGE's service area. Services include classroom programs, career programs, resources, videos, power plant tours, and classroom literature for students in kindergarten through grade 12. **A free *Educational Resources* catalog is available upon request.** **31**

The Consumer Aerosol Products Council

99 Canal Center Plaza #200
Alexandria, VA 22314
(703) 683-1044
Fax: (703) 683-4622
Web: <http://www.nocfcs.org>

Supported by companies that manufacture and market aerosol products (CAPCO) was founded in 1991 to provide information on aerosols and environmental issues for consumers, media, and educators at all levels.

Offers "Another Awesome Aerosol Adventure," a FREE educational unit for students in grades 4 through 8. Includes a 10-minute video produced by the creative team from the popular children's television program "Beakman's World." Designed with humor in mind, the video, along with accompanying teacher and student guides, a colorful classroom poster and take-apart aerosol can, makes the complex issues of aerosol technology, ozone depletion and environmental awareness memorable and fun for a middle school-age audience. "Another Awesome Aerosol Adventure" is available through Video Outreach at 1-(800) 427-7228. **32**

Culver Company

316 Merrimac Street
Newburyport, MA 01950
1-(800) 4-CULVER
Fax: (978) 463-1715
E-Mail: info@culverco.com
Web: <http://www.culverco.com>

A developer and publisher of educational materials about energy and related topics.

Produces booklets, videos, posters, and program enhancement items for children and adults. Teacher discussion guides are also available. Utilities purchase and distribute these materials in their service areas; other organizations may purchase them directly. **33**

Creative Teaching Press

P.O. Box 2723
Huntington Beach, CA 92647-0723
(714) 895-5047
Fax: (714) 895-6547 or 1-(800) 229-9299
E-Mail: webmaster@creativeteaching.com
Web: <http://www.creativeteaching.com>

A publisher of educational activity books.

Offers award-winning educational activity books for youth ages 3 to 14. Energy-related titles include: *Investigations in Science Series*; *Explore & Discover Series*; *How & Why? Science Series*; *Look Once! Look Again! Series*; *Life Cycles Series*; *Seasons*; *Real World Science and Technology*; *Grow and Learn with Mister Rogers Discovering Nature*; and *Science Learn To Read Series*.

These books are available from school supply stores, bookstores or the publisher. Free catalogs are available upon request. **34**

Denver Earth Science Project

Office of Special Programs & Continuing Education

Colorado School of Mines

Golden, CO 80401

1-(800) 245-1060 x3621 (in Colorado)

1-(800) 446-9488 x3621 (outside Colorado)

Fax: (303) 273-3314

E-Mail: jproud@mines.edu

Web: http://www.mines.edu/Outreach/Cont_Ed/desp.shtml

A teacher enhancement program, in partnership with corporations, Federal agencies, school districts, and professional organizations, which provides innovative earth science curricula for use in grades 4 through 12.

Provides, for a fee, a series of educational workshops that address a range of earth science topics developed by trained curriculum development teams, including experienced earth science teachers and practicing scientists. The hands-on student activities included in each module incorporate real data and follow a problem-solving approach. Each module integrates mathematics, geography, economics, and social and environmental issues with basic earth science concepts. The modules are:

- ! "Oil and Gas Exploration" (grades 7-12)
- ! "Ground Water Studies" (grades 7-9)
- ! "Paleontology and Dinosaurs" (grades 7-9)
- ! "Energy -- A Closer Look at Oil and Gas" (grades 4-6)
- ! "Do You Know Your 3 R's? Radiation, Radioactivity, and Radon" (grades 7-10)

Each module contains a teacher resource kit which includes a teacher/student notebook, maps, audio-visual materials, posters, oil samples, groundwater models, etc. Call to find out the location of the nearest training site. **35**

Disney Educational Productions

105 Terry Drive, Suite 120

Newtown, PA 18940

1-(800) 295-5010

Fax: (215) 579-8589

Web: <http://www.disney.go.com/educationalproductions>

Disney Educational Productions develops and distributes entertaining and thought-provoking videos that excite children of all ages to learn about a variety of subjects.

Offers educational videos on energy, the environment, earth science, recycling, and water. Curriculum-oriented videos come with discussion guides and lesson plans.

Titles include:

- ! Bill Nye the Science Guy shows, such as *Pollution Solutions*, *Garbage and The Water Cycle*
- ! *Recycle Rex* (starring Disney's hip animated recycling dinosaur)
- ! *The Energy Savers* (starring Donald Duck, Mickey Mouse and Goofy)
- ! *Zort Sorts: A Story About Recycling*
- ! *The Great Search -- Man's Need for Power and Energy*

Programs are available for purchase or lease. Call the toll-free number to request a free catalog. 36

E2: Environment & Education

P.O. Box 20515
Boulder, CO 80308-3515
(303) 665-7311
Fax: (303) 665-7131
E-Mail: e2ee@enviroaction.org
Web: <http://www.enviroaction.org>

A nonprofit organization dedicated to helping young people develop an awareness of environmental challenges, and the understanding and skill to take informed and effective action.

Developed Environmental ACTION (Analyze, Consider Options, Take Action, In Our Neighborhoods). This is a relevant, supportive and clearly structured interdisciplinary environmental education curriculum for grades 6 through 12. The program offers six separate modules: Energy Conservation, Water Conservation, Waste Reduction, Chemicals: Choosing Wisely, Food Choices, and Habitat & Biodiversity. Each module provides instruction on how to investigate environmental issues while creating opportunities to practice action skills. The hands-on activities move students from awareness to choice into action. Students conduct an audit of current resource consumption and research alternative practices, services, and technologies. They conclude with a plan for change based on a cost benefit analysis. By having students use the school community as their laboratory, the school becomes a model of sustainable practices. E2 has also developed a General Resources Guide for educators. For a fee, E2 will provide teacher training workshops. 37

Earth Foundation

5151 Mitchelldale, Suite B-11
Houston, TX 77092
1-(800) 566-6539
(713) 686-9453 (in Houston)
Fax: (713) 686-6561
E-Mail: nikki.hilton@earthfound.com
Web: <http://www.earthfound.com>

An organization dedicated to environmental education and conservation.

Each year thousands of schools participate in the Earth Foundation's Rescue the Rainforest Project. Thus far, the network of 10,000 active environmental teachers and students is responsible for raising \$4 million for rainforest conservation through the sale of environmental T-shirts. A "Rainforest Project Kit" is available to educators. The kit, which includes curriculum, videos, instructions, and a ready-made fundraising project, contains everything a school will need to supplement an ecology unit with a teaching method called "Solution-Based Teaching." Upon completion, participating schools receive a certificate recognizing them for the acres adopted and written updates about the area being preserved. Schools that adopt 10 or more acres receive a free follow-up video that shows students live footage of the area. Call 1-800-5MONKEY to receive your "Rescue the Rainforest Kit" and for more information about this project or the Coral Reef Rescue Campaign.

38**Edison Electric Institute (EEI)**

Order and Billing
701 Pennsylvania Avenue, N.W.
Washington, DC 20004-2696
1-(800) 334-5453
(202) 508-5000
Fax: (301) 843-0159
Web: <http://www.eei.org>

An association of shareholder-owned electric utilities.

Suggests that you first contact your local electric utility. Many utilities have educational programs about energy and the environment for schools. EEI's publications catalog is free. Other publications are available for a fee. **39**

Educational Development Specialists

5505 E. Carson Street, Suite 250
Lakewood, CA 90713
(562) 420-6814
Fax: (562) 420-1485
E-Mail: annateds@aol.com
Web: <http://www.edspecialists.com>
<http://www.thinkearth.org>

Education program developers and distributors of energy and environmental programs.

Offers the *Energy Source Education Program* (see separate listing) and the *Think Earth Environmental Education Program* nationwide to sponsors who provide the programs free to schools. Materials are also sold directly to teachers and others. The award-winning *Think Earth* curriculum contains 9 units, with videos, for students in pre-kindergarten through grade 6, plus an 8th-grade science unit on air quality. A free brochure is available. **40**

Energy Source Education Council

Program Distribution Office
5505 E. Carson Street, Suite 250
Lakewood, CA 90713
(562) 420-6814
Fax: (562) 420-1485
E-Mail: annateds@aol.com
Web: <http://www.edspecialists.com>

A nonprofit organization involved in developing and distributing quality energy education programs.

The *Energy Source* curriculum includes 4 units: *Offalot* for kindergarten; *Energy Elves* for grades 1 and 2; *Energy Explorers* for grades 3 and 4; and *People Power* for grades 5 and 6. Utility companies and other organizations often purchase units to distribute free to classrooms in their service areas. Units are also sold directly to teachers and others. Free information flyers are available. **41**

Educational Dividends

302 West Hill Street, Suite 102
Champaign, IL 61820
(877) 359-9444
Fax: (217) 359-9446
E-Mail: carol@educationaldividends.com
Web: <http://www.educationaldividends.com>

Develops educational products that are designed to change the classroom paradigm to consistently produce creative, self-learners who are employable.

Using its Facilitative Learning Model, offers classroom curriculum and professional development that integrates technology, standards-based learning, leadership and workplace skills. To learn more about their products and services, visit the above web site. **42**

EnergyNet U.S.

302 West Hill Street, Suite 102
Champaign, IL 61820
(877) 359-ENET (3638)
Fax: (217) 359-9446
E-Mail: Educational_Dividends@compuserve.com
Web: <http://www.energynet.net>

A non-profit organization offering standards-based, technology enriched classroom curriculum for a moderate fee.

Energy Detectives is available for grades 3 through 5 and Energy Auditing for grades 6 through 12. Parents and community members are encouraged to become partners with their schools to promote educational excellence via **EnergyNet's** Community Partnership Initiative. To learn more about the hands-on curriculum, visit the web site at www.energy.net. **43**

Enterprise for Education, Inc.

1316 Third Street, Suite 103
Santa Monica, CA 90401
(310) 394-9864
Fax: (310) 394-3539
Web: <http://www.entfored.com>

Offers booklets for primary school and secondary school science classes FREE from many electric utilities.

Supplies a variety of 8 and 16-page *Energy and Environmental Skill Builder* color booklets. Teachers can create short to comprehensive units based on the subject and grade level. The following are available:

- ! Environmental -- “Using Our Resources Wisely” (grades 2-4); “The Greenhouse Effect and Global Warming” (grades 6-12); and “Percentages Help an Environmental Engineer” (grades 6-8); “The Clean Air Challenge” (32 pages with video and science experiment kit, (grades 8-10)
- ! Conservation -- “Efficiency of Electric Appliances” (grades 6-10); “Climate and Comfort” (grades 6-12); and “Is Efficiency the Best Energy Source?” (grades 9-12)
- ! Nuclear Energy -- “Nuclear Reactor” (grades 8-12); “The Atom and Radiation” (grades 6-12); and “Nuclear Fuel Cycle” (grades 8-12)
- ! Fossil Fuel -- “Coal: The Once and Future King?” (grades 6-9); “Natural Gas” (grades 6-12); “Geology of Oil” (grades 6-12); and “Refining Oil” (grades 8-12)
- ! Electricity -- “Mouse House Surprise,” a 32-page Teacher BIG book and student little book (grades K-2); “Sam and Jody Save the Circus” (safety) (grades 2 and 3); “Paths for Electricity” (safety) (grades 3-5); “Energy Transformations” (grades 4-9); “Generating Electricity” (grades 5-9); “Sources of Electricity” (grades 5-9); “Demand for Electricity” (grades 6-9); “Working With Energy Graphs” (grades 6-12); “Measuring Helps an Electrician Wire an Apartment” (grades 4-6); “An Electrical Engineer Plans an Electrically Safe Outdoor Concert” (safety) (grades 5-9); “Electricity from Wind, Water & Sunlight” (grades 4-8), which includes a lab activity kit; and “Risk: Taking Chances, Making Choices” (grades 6-10)

When available, the above materials are free of charge from many electric utilities. Contact the education specialist at your local utility. Materials also may be purchased directly from the publisher. A catalog is available. **44**

Environmental Hazards Management Institute (EHMI)

10 Newmarket Road
P.O. Box 932
Durham, NH 03824
(603) 868-1496
Fax: (603) 868-1547
E-Mail: ehmiorg@aol.com
Web: <http://www.EHMI.org>

An independent, nonprofit environmental, health, and safety education and research institute working to promote environmental responsibility at home, in the workplace, and in the community through education and relationship building.

Offers environmental, health, and safety education and outreach materials for adults and children. Topics include recycling/buy recycled; energy efficiency/conservation and indoor air quality; household chemical product management; water quality; lead poisoning prevention; used oil recycling; composting; and more. The balanced, well-researched information is offered in a variety of formats including enviro-wheels (slide-charts); tabloid publication for school children; bookcovers; color-in activity books; color-in posters; and videos. There is a fee for all educational materials. Discounts are available on bulk orders. A free catalog is available. **45**

EV Media

1014 Broadway
Santa Monica, CA 90401
(310) 394-3980
Fax: (310) 394-3539
E-Mail: ab50@aol.com

An educational publishing company providing electric vehicle-related materials.

Provides publications and activity kits on electric vehicles (EV) for schools and the general public. Materials range from color booklets for secondary school students to teacher guides, electric vehicle model kits, and discussion leader guides free from many electric utilities with EV programs. Materials cover electric vehicles, electricity, energy efficiency and conservation. Titles include *Electric Car*, a 16-page color booklet (for grades 7 through 12); the 128-page *Teacher's Electric Car Book*, everything a teacher needs to conduct a unit on electric vehicles; "The Electric Flyer Model Kit," which includes everything needed to build a working, table-top size model electric vehicle; and "The Electric Vehicle Classroom Kit," which includes a classroom set of color booklets; the *Teacher's Electric Car Book*, and five to eight "Electric Flyer Model" kits. The battery/charger option for the EV "Classroom Kit" includes five to eight rechargeable 1.5 volt AA Ni-cad batteries and a four-unit battery charger. Contact your electric utility electric vehicle department for these materials, which are often offered at no cost to educators. **46**

Film and Bag Federation

Plastic Bag Information Clearinghouse
P.O. Box 2811
Pittsburgh, PA 15230
1-(800) 438-5856
Fax: (412) 471-9417
E-Mail: fbf@socplas.org
Web: <http://www.plasticbag.com>

A consortium of the industry’s leading manufacturers and suppliers of the Society of the Plastics Industry who work together on industry issues and focus on promoting the functional and environmental benefits of plastic bags and film products.

Provides educational resources for elementary and middle-school educators and information for consumers to increase public understanding of the facts related to plastic bags and the environment. “Don’t Let a Good Thing Go to Waste” is an environmental education program for students in grades 2 through 5. Its interactive, interdisciplinary activities help students discover that they can make a difference in solving solid waste challenges by practicing the 3Rs: Reduce, Reuse and Recycle. The Earth Master 2000 activity poster helps elementary students learn the 3Rs. “An Ounce of Prevention” middle-school curriculum and its poster-lesson plan on the Life of a Hamburger comprise a complete resource for teaching the elements of waste generation and waste prevention. The full nine-activity curriculum, developed with the National Science Teachers Association and Dow Chemical Company, helps students see how many resources are consumed and how much waste is generated in daily-life activities, such as eating a hamburger and choosing plastic or paper at the supermarket check-out counter. These activities help them realize the value of prevention when it comes to waste.

Consumers can obtain information on the environmental benefits of plastic in the *Life of a Plastic Bag* brochure and can also locate the nearest plastic bag recycling collection site by calling the above number. The above Web site provides information on plastic bags and the environmental 3Rs, as well as the lesson plans for teachers and student puzzle activities with an Earth Day message. All materials are free. **47**

Florida Power & Light Company

Energy Encounter
6501 South Ocean Drive
Jensen Beach, FL 34957
1-(877) FPL-4FUN (toll free) or (877) 375-4386
(561) 468-4111
Fax: (561) 467-7565
E-Mail: ricki_spencer@fpl.com
Web: <http://www.fpl.com/encounter>

A regulated investor-owned utility that serves more than 3 million customers in Florida.

Provides limited free energy educational resources **within the Florida Power & Light service area**. Operates the Energy Encounter Visitors' Center at the St. Lucie Nuclear Power Plant on Hutchinson Island. The Center is open to the public and offers physical and environmental science presentations to school groups as well as teacher workshops for educators. Presentations meet the science objectives for Florida. Also offers special monthly environmental/educational programs for adults. Self-guided tours of the Turtle Beach Nature Trail are also available. **48**

Florida Solar Energy Center (FSEC)

1679 Clearlake Road
Cocoa, FL 32922
(321) 638-1000
Fax: (321) 638-1010
E-Mail: info@fsec.ucf.edu
Web: <http://www.fsec.ucf.edu/ed/teachers>

FSEC is a research institute of the University of Central Florida.

FSEC currently has 3 free downloadable curriculum units available on their web site. The units include hands-on activities and PowerPoint presentations and align to science standards. "Solar Matters" is for upper elementary/intermediate students. "Alternative Fuel Matters" is for middle school students, and "Solar Wonders" is for high school students. A fourth unit, "Building Performance Matters" for high school students, is currently being field-tested. **49**

Foodservice & Packaging Institute, Inc.

1550 Wilson Boulevard, Suite 701
Arlington, VA 22209
(703) 527-7505
Fax: (703) 527-7512
E-Mail: fpi@fpi.org
Web: <http://www.fpi.org>

A nonprofit trade association for manufacturers, suppliers, and distributors of foodservice disposable products. These products consist of single-use cups, plates, bowls, bags, cutlery, trays, hinged-lid "clamshell" containers, and other paper, plastic, and aluminum items. Foodservice & Packaging Institute, Inc. (FPI) supports the environmentally responsible manufacture, distribution, use, and disposal of foodservice disposables.

Offers *Foodservice Disposables: Facts and Fun*, a middle-school Environmental Science resource full of information and student activities. Also offers one-page issue sheets appropriate for middle and high school students on “Environment” and “Sanitation.” These explain the importance of foodservice disposable products to today’s consumers. Single copies of these FPI publications are free to educators. Contact FPI for larger quantities. For additional information about other publications, visit the Web site above. **50**

Frey Educational Resources

100 Paragon Parkway
Mansfield, OH 44903
1-(800) 225-3739
Fax: 1-(877) 256-3739 or
(419) 589-1546
E-Mail: dgribben@freybg.com
Web: <http://www.freyscientific.com>

A full-line supplier of educational materials, equipment, and supplies for science, designed for students from kindergarten through college.

Offers a general science catalog that includes over 75 pages of products for earth science and ecology study. Product line consists of books, charts and posters, videos and video discs, software, kits, games, manipulatives, general supplies and equipment, and more. Products are available for a fee; catalog is free of charge.

51**Fuel Cells 2000**

1625 K Street, N.W., Suite 725
Washington, DC 20006
(202) 785-4222
Fax: (202) 785-4313
Web: <http://www.fuelcells.org>

Fuel Cells 2000 is a nonprofit program to educate people around the world about the potential benefits of fuel cells, an advanced energy generation technology. Fuel cells use chemical reactions to make energy without combustion.

Produces fuel cell information brochures and sends free information packets in response to requests from students, teachers and the general public. Some publications include the “Fuel Cells in Transportation” brochure, and “The Fuel Cell Story” folder with 6 informative inserts. Also distribute material developed by other organizations, including the “Fuel Cells – Green Power” brochure. The Fuel Cells 2000 web site provides basic fuel cell information, as well as extensive links, FAQs, a news group, an online bibliography of books and articles, and a gallery of fuel cell product images. **52**

General Atomics Sciences Education Foundation

3550 General Atomics Court
San Diego, CA 92121-1194
(858) 455-3335
Fax: (858) 455-3379
E-Mail: pat.winter@gat.com
Web: <http://fusioned.gat.com>

A high technology research and development center.

Offers information to high school and middle school teachers and students regarding current U.S. and worldwide nuclear fusion research that is aimed at understanding fusion science and its role in providing an energy resource for tomorrow's needs. Available materials include a 20-minute video, "Fusion: Creating a Star on Earth"; "STARPOWER", an interactive learning adventure CD; and a teacher resource guide packed with experiments and a workbook on the electromagnetic spectrum, plasma, and radiation. Classroom posters on fusion, radiation, and the electromagnetic spectrum are also available. These items are available free while supplies last. Requests must be sent on school letterhead. No requests honored by phone. Please visit at the above web site. **53**

Geothermal Education Office

664 Hilary Drive
Tiburon, CA 94920
1-(800) 866-4436
(415) 435-4574
Fax: (415) 435-7737
E-Mail: geo@marin.org
Web: <http://geothermal.marin.org>

A nonprofit educational organization serving teachers, students and the general public nationwide to increase awareness and understanding of geothermal energy.

Provides free booklets, posters, fact sheets, and selected geothermal industry publications (some in class sets). Available for a fee are high-school level and elementary-school level videos with transcript and glossary; a 90-page activity-packed geothermal curriculum for grades 4 through 8; and a set of classroom activities for grades 6 through 12 (free with purchase of video). The web site is especially helpful to teachers. **54**

GPU Energy

Community Initiatives Department
2800 Pottsville Pike
P.O. Box 16001
Reading, PA 19640-0001
(610) 921-6191
Fax: (610) 939-8790
E-Mail: tgilman@gpu.com
Web: <http://www.gpukids.com>

Headquartered in Reading, PA, GPU Energy serves 68 counties throughout Pennsylvania and New Jersey. GPU Energy is a subsidiary of GPU, Inc., an investor-owned electric utility based in Morristown, NJ.

GPU's interactive educational Web site -- www.gpukids.com-- provides free energy and electrical safety education resources for all grade levels. This site includes energy and conservation-related games, activities, experiments and downloadable modules as well as lesson plans on a variety of energy, electrical safety, conservation and environment-related topics. Also available to educators is the gpukids.com on line electronic educational resources catalog, featuring free publications on a wide-range of energy and electricity topics. (**Free publications are limited to schools in the GPU service territory.**) And, without having to buy a single stamp, visitors can send an electronic postcard to a friend or family member – wishing them a “Happy Birthday,” “Get Well,” or just to say “Hello!” **55**

Hawaiian Electric Company, Inc.

Education & Consumer Affairs Division
900 Richards Street
Honolulu, HI 96813
(808) 543-7511
Fax: (808) 543-7412
Web: <http://hei.com>

An investor-owned electric utility that serves the island of Oahu in Hawaii.

Provides free teaching materials to educators **in the areas served by Hawaiian Electric and its subsidiaries Maui Electric Company and Hawaii Electric Light Company.** Services include classroom programs, career programs, resources for educators, certified workshops for educators, video, and classroom literature for kindergarten through grade 12. "Hawaii's Electric Century," an education module for Hawaiian history classes, is available for use in grades 4, 7, and 11. **56**

Honolulu Clean Cities

Alternative Transportation Fuels Program
160 Ahui Street
Honolulu, HI 96813
(808) 587-3809
Fax: (808) 587-3820
E-Mail: mtome@dbedt.hawaii.gov
Web: <http://www.state.hi.us/dbedt/ert/cc>

A nonprofit organization, participating in the U.S. Department of Energy's "Clean Cities" program. Members are fleet managers, fuel providers and utilities, government agencies, environmental organizations, and other experts in alternative transportation fuels and alternative fueled vehicles.

Provides a wide array of free alternative fuel - and vehicle - related videos, presentations, and publications to educators, students, fleet managers, and community groups in Hawaii. Other services include tours, alternative fuel displays, workshops, and "ride-and-drive" demonstrations of propane, biodiesel, and electric vehicles. Publisher of *Hawaii's Fun-Fueled Activity Book*, a 32-page book that introduces alternative fuels, pollution, and global warming through games, crossword puzzles, word searches, and fill-in-the-blank types of activities. The activities are appropriate for grades 4 through 6; the fact sheets are appropriate for grades 4 through 12. These activities and fact sheets are downloadable in the original Microsoft Word format from the Web site listed above. Permission is given to use and modify the fact sheets and activities for non-commercial uses. 57

Illinois Department of Commerce and Community Affairs

Office of Coal Development and Marketing
620 East Adams, 4th floor
Springfield, IL 62701
(217) 524-3820
Fax: (217) 558-2647
E-Mail: bantonin@commerce.state.il.us
Web: <http://www.ILCOMMERCE.com/>

A State coal program committed to the continued and expanded use of Illinois' coal resources in environmentally safe and economically viable ways.

Provides materials on coal production, distribution, usage, research, development, and demonstration of clean coal technologies. Materials available include: *Coal is Cool Activity Book*, with 60 coal-related puzzles, which is recommended for kindergarten through grade 4 and a teacher's guide for kindergarten through grade 4 entitled *Dig It; Illinois Coal Teacher's Guide*, developed with lesson plans and hands-on activities for grades 5 through 8; a video, "Kids, Coal and the Environment;" and a poster, *What's Coal Got To Do With You? Illinois Coal...Energizing the 21st Century*, an integrated high school teaching resource

manual covering the formation, history, and uses of coal as well as clean coal technologies. All materials are free. Coal awareness and education efforts target the general public through the media, schools, and special programs in an attempt to diffuse myths regarding coal and to disseminate sound, scientific information. An order form listing all the various publications is available upon request. **58**

Independent Petroleum Association of America

Information Services Department
1101 16th Street, N.W.
Washington, DC 20036
(202) 857-4722
Fax: (202) 857-4799
E-Mail: flawrence@ipaa.org or govrel@ipaa.org
Web: <http://www.ipaa.org>

The national association representing independent crude oil and natural gas explorers/producers.

Provides for a fee an annual yearbook of statistics on the crude oil- and natural gas-producing States. *The Oil & Natural Gas Producing Industry In Your State* compiles exploration and production statistics for each producing State in a simple manner, suitable for junior high and senior high school students. **59**

The Institute for Chemical Education (ICE)

Department of Chemistry
University of Wisconsin-Madison
1101 University Avenue
Madison, WI 53706-1396
1-(800) 991-5534
(608) 262-3033
Fax: (608) 265-8094
E-Mail: ICE@chem.wisc.edu
Web: <http://ice.chem.wisc.edu>

A nonprofit educational organization that provides chemistry resources and graduate-level workshops for kindergarten through grade 12 teachers to better integrate hands-on chemistry into their classrooms.

Provides chemistry education materials and workshops to kindergarten through grade 12 teachers throughout the world. The publications, kits, and workshops are designed to help teachers include hands-on science activities in their everyday classrooms. ICE's *Topics in Chemistry* series provides background chemical and environmental information on everyday topics. Topics include: **AcidRain**--a brief history of acid precipitation; the sources of gases that cause acid rain and their conversion to acid in the atmosphere; details of the effects of acid precipitation on the environment; and available alternatives to reduce emissions that contribute to acid rain. **Acid Rain, Experimental Supplement**--five experiments showing the effects of acid rain on the environment, using easy-to-find materials; notes on presentation and curriculum integration are included. **The Hole in the Ozone Layer**--the chemistry, uses, and importance of ozone and chlorofluorocarbons; a history of theories involving their interactions in the atmosphere; the effect of ozone depletion on life; examination of changes in public policy; and the response of industry. **Nanocrystalline Solar Kit**--enough materials to make 5 solar cells (most of the materials can be reused) and a booklet with information on the origins of photosynthesis, use of fossil fuels and renewable energy sources and the effects on the environment. The solar cells use natural dyes from berries and a common paint pigment to generate electricity from light. The booklet contains detailed laboratory directions for assembling a solar cell and circuit set-ups to measure the electrical output of the cell. **60**

Integrated Waste Services Association

1401 H Street, N.W., Suite 220
Washington, DC 20005
(202) 467-6240
Fax: (202) 467-6225
E-Mail: zanneswte@aol.com
Web: <http://www.wte.org>

Integrated Waste Services Association (IWSA) represents companies that use trash to produce energy as part of a community's integrated solid waste plans. Waste-to-energy facilities use waste to generate enough energy to power 2.5 million homes.

IWSA offers *WasteWorld*, a middle school curriculum addressing environmental, economic, and energy-related issues associated with municipal solid waste management. Originally developed with the support of DOE's National Renewable Energy Laboratory, this multimedia simulation presents a balanced view of source reduction, recycling, waste-to-energy, and land-filling, enabling students to recommend solid waste management plans for their communities. The updated package includes a slide show, interactive computer software for both Macintosh and Windows on CD-ROM, revised student activities and teacher's guide, glossary, and resources to supplement student research. Write or call or visit the Web site for more information. **61**

JEA

21 West Church Street
Jacksonville, FL 32202
(904) 665-6000
Fax: (904) 632-6335
Web: <http://jea.com>

A municipal electric, water and sewer utility serving over 360,000 customers in Jacksonville, FL, and vicinity.

Provides free energy and water educational resources (booklets, posters, kits, audio/visual materials, plays, etc., for kindergarten through grade 12) to schools **within the JEA service area**. Services include student and teacher materials, speakers, water, sewer and power plant tours, teacher seminars with affiliates: E. Dale Joyner Nature Preserve at Pelotes Island and Tree Hill Nature Center. **62**

Johnson Controls, Inc.

Academy of Energy Education
507 E. Michigan Street
Milwaukee, WI 53202
(414) 524-5574
Fax: (414) 524-5030
E-Mail: michelle.l.tanem@jci.com
Web: <http://www.johnsoncontrols.com>

Provides facility services and building control system solutions to meet the specific needs of all types of nonresidential buildings, which include training staff to operate equipment more efficiently, installing, maintaining, and servicing HVAC controls and mechanical systems, lighting controls, and life safety systems; performance contracting; and complete outsourcing operations.

Offers, in partnership with the National Energy Foundation (NEF), a curriculum-enhancing program that promotes energy education in kindergarten through grade 12-plus and expands into a school-to-work transition experience. Designed to encourage students to explore energy usage and its impact on the environment, the Academy of Energy Education programs include: Energy Fun for kindergarten through grade 3; Energy Fundamentals for grades 4 through 6; Energy Action Patrol for grades 5 through 8; Energy Action Teams for grades 6 through 9; and Energy Action Technology for grades 9 through 12. For high school students, the Academy features career exploration. College students can participate in externships in exchange for college credits granted by Utah State University. Each program contains a Polaroid camera and film packet to integrate visual learning aspects and the Energy Action Challenge for personal application of energy conservation. For more information, call your local Johnson Controls office, or (888) 214-0916. **63**

Keep America Beautiful, Inc.

1010 Washington Boulevard
Stamford, CT 06901
(203) 323-8987
Fax: (203) 325-9199
Web: <http://www.kab.org>

A nonprofit organization whose network of local, statewide and international affiliate programs educate individuals about litter prevention, beautifying and improving communities, and ways to reduce, reuse, recycle and properly manage waste materials.

Offers educational materials for use in kindergarten through middle school . Waste in Place, a curriculum supplement for educators introduces children to responsible waste handling in more than 30 hands-on lesson plans. The curriculum is available for a fee. Mister Rogers' Activity Book for Young Children presents information about reuse and recycling in an entertaining and easy-to-understand way, through simple at-home or at-school projects, and is available for a nominal fee. Get a Grip is a video with lesson plans about eco-efficiency. Aimed at secondary school students, the program teaches students how to do more while using less. Free samples of KAB lesson plans and other publications are available on the web site listed above. **64**

Kids For A Clean Environment (Kids F.A.C.E.®)

P.O. Box 158254
Nashville, TN 37215
1-(800) 952-3223
Fax: (615) 333-9879
E-Mail: kidsface@mindspring.com
Web: <http://www.kidsface.org>

A nonprofit children's environmental organization.

Provides free membership to children and teachers. Included with membership is the membership guide *Our World, Our Future: A Kids Guide to Kids for a Clean Environment* and a membership certificate. Material focuses on environmental topics and offers proactive projects that can be performed at home or at school. Their current project is the One In A Million Program. One million children will plant one million trees by the year 2000. For instructions, send a self-addressed stamped envelope to the above address. **65**

Kissimmee Utility Authority (KUA)

Office of Communications
P.O. Box 423219
Kissimmee, FL 34742-3219
(407) 933-7777
Fax: (407) 933-1761
E-Mail: cgent@kua.com
Web: <http://www.kua.com>

A municipal electric utility serving over 53,000 customers in Osceola County, Florida.

Provides free energy educational resources (coloring books, booklets, calendars, posters, kits, audio/visual materials, etc., for use in kindergarten through grade 12) to schools **within the KUA service area**. Services include student and teacher materials, speakers' bureau, power plant and energy control center tours, and teacher seminars with neighboring utilities. A free color brochure highlighting the services and materials is available upon request. **66**

The Learning Works

P.O. Box 2723
Huntington Beach, CA 92647-0723
(714) 895-5047
Fax: (714) 895-6547 or 1-(800) 229-9929
E-Mail: webmaster@creativeteaching.com
Web: <http://www.thelearningworks.com>

The Learning Works is now operating under the Creative Teaching Press umbrella of companies.

Publishes award-winning educational activity books for youth ages 5 to 14. Energy-related titles from The Learning Works include: *Weather*; *Electricity*; *Environmental Investigations*; *Science Works*; *Earth Book for Kids*; *Activities to Help Heal the Environment*; *My Earth Book*; and *Likeable Recyclables*. These books are available from school supply stores, bookstores, or the publisher. Free catalogs are available upon request. **67**

Midwest Renewable Energy Association

7558 Deer Road
Custer, WI 54423
(715) 592-6595
Fax: (715) 592-6596
E-Mail: mreainfo@wi-net.com
Web: <http://www.the-mrea.org>

A grassroots private nonprofit educational organization dedicated to promoting renewable energy and energy efficiency through education and demonstration.

Offers special workshop series for teachers, children, and the general public. Hosts the Midwest Renewable Energy Fair every June at the Portage County Fairgrounds in Amherst, WI. This annual event features workshops, exhibits, speakers, a model home, renewable energy home tours, alternatively fueled vehicle showcase, regional Junior Solar Sprint competition, entertainment, and more. Offers year-round workshops on renewable energy and energy efficiency. *ReNews*, a quarterly newsletter is available for a minimal fee. **68**

Mineral Information Institute (MII)

501 Violet Street
Golden, CO 80401
(303) 277-9190
Fax: (303) 277-9198
Web: <http://www.mii.org>

A nonprofit educational organization providing free resources and contacts to support classroom teachers.

Provides mineral and energy information at no cost to classroom teachers. Companies and other organizations may purchase MII materials at a nominal cost. Materials include posters, lessons, and activities. The purpose of all materials is to increase awareness that *Everything We Have and Everything We Use Comes From Our Natural Resources*. MII sponsored and continues to support revisions to the high school integrated science textbook, *Global Science: Energy, Resources, Environment*. Teachers should write on school letterhead indicating grade(s) taught. For a fee, a Go Kit for Classroom Speakers is also available. **69**

Minnesota Department of Commerce - Energy Division

85 7th Place East, Suite 500
St. Paul, MN 55101
(612) 296-5175
Fax: (612) 296-0201
E-Mail: energy.info@state.mn.us
Web: <http://www.commerce.state.mn.us>

A State energy office which protects the public in utility rate and quality of service matters, provides a range of energy information, and promotes conservation and renewable resource development.

Provides a wide range of energy conservation materials (primarily brochures and fact sheets) targeted to residential, commercial, and industrial audiences. This information is designed to encourage specific conservation practices and to increase public awareness of energy/environmental issues. Some of these free materials may be appropriate for students in grades 8 through 12. More direct education efforts are geared toward Minnesota home builders and community energy auditors. The Department's Energy Information Center has a full-time staff to answer consumers' energy-related questions and to provide individualized advice as needed. All printed materials and software are available through the Department's web page. **70**

National Aeronautics and Space Administration (NASA)

300 E Street, S.W., Code FE
Washington, DC 20546-0001
Web: <http://education.nasa.gov>

A Federal agency with programs to advance the Nation's education goals through expanding and enhancing the scientific and technological competence of all students and educators.

NASA's Education Home Page serves as a cyber-gateway to information regarding educational programs and services offered by NASA for educators and students across the United States. This high-level directory of information provides specific details and points of contact for all of NASA's educational efforts and Field Center offices.

Educators and students utilizing this site will have access to a comprehensive overview of NASA's educational programs and services, along with a searchable program inventory that has cataloged NASA's educational programs. NASA's online home pages offered by NASA's four areas of research and development, including the Aero-Space Technology, Earth Science, Human Exploration and Development of Space, and Space Science Enterprises. **71**

National Arbor Day Foundation

100 Arbor Avenue
Nebraska City, NE 68410
(402) 474-5655
Fax: (402) 474-0820
E-Mail: mscribner@arborday.org
Web: <http://www.arborday.org>

A nonprofit education organization dedicated to tree planting, conservation, and environmental stewardship.

Provides free information on tree planting and care, including correctly planting windbreaks and shelterbelts, in the *Conservation Trees* and *Trees for America* brochures, as well as Celebrate Arbor Day Guidebook. Also has available for a nominal fee for elementary school- and middle school-age children, curriculum kits that stress the contributions made by trees and the importance of environmental stewardship. For samples of the free educational materials, and to receive information about the curriculum kits, write or call to request an *Educational Materials Sampler*. 72

National Association of Conservation Districts (NACD)

408 East Main
P.O. Box 855
League City, TX 77574-0855
1-(800) 825-5547
(281) 332-3402
Fax: (281) 332-5259
E-Mail: publicaffairs@NACDNET.org
Web: <http://NACDnet.org>

A nongovernmental nonprofit organization representing nearly 3,000 soil and water conservation districts and their State associations in the 50 States and U.S. territories. NACD serves its member districts as one voice, utilizing the force of local initiative and self-government, in the conservation and development of natural resources.

Sponsors conservation education recognition programs for primary school and secondary school teachers as well as a poster contest for students. Publishes and distributes educational materials about conserving soil and water and other natural resources. Free materials include an education catalog containing all educational products available from NACD and information about the contest. 73

National Corn Growers Association

1000 Executive Parkway, #105
St. Louis, MO 63141
(314) 275-9915
Fax: (314) 275-7061
E-Mail: corninfo@ncga.com
Web: <http://www.ncga.com>

Actively represents the interests of producers of the nation's top grain crop. Membership includes over 30,000 growers in 48 states and 42 affiliated state corn grower organizations. NCGA's mission is to create and increase opportunities for corn growers in a changing world and enhance corn utilization and profitability.

Provides teachers with Web-based educational kit, *Corn in the Classroom*, which includes curriculum materials which illustrate corn as a reservoir of energy and a renewable substitute for products made from expendable fossil fuels. *The World of Corn* resource booklet, a statistical look at corn markets and trends, can be requested and is provided free by contacting the association. **74**

National Cotton Council of America

Education Materials
1918 N. Parkway
Memphis, TN 38112
(901) 274-9030
Fax: (901) 725-0510
E-Mail: comms@cotton.org
Web: <http://www.cotton.org>

A nonprofit commodity organization representing 25,000 producers and processors of raw cotton. The organization is dedicated to strengthening the cotton industry's ability to compete effectively and profitably in the raw cotton, oilseed and manufactured product markets at home and abroad.

Provides for a nominal fee a variety of print and audiovisual materials on cotton, including a videotape about the highly successful and environmentally sound "National Boll Weevil Eradication Program." The tape, primarily for grades 3 through 12, includes a 3-minute program aired on the "Today's Environment" television series on the Discovery Channel. The eradication program uses an integrated approach for eliminating one of the U.S. cotton industry's major pests, such as plowing down cotton stalks after harvest, the strategic placement of traps baited with a pheromone (sex attractant), and the judicious application of crop protection products. **75**

National Council on Economic Education

1140 Avenue of the Americas
New York, NY 10036
1-(800) 338-1192
Fax: (212) 730-1793
E-Mail: econed@ncee.net
Web: <http://www.ncee.net>

A nonprofit organization that provides professional development for teachers, curriculum for schools, and course materials for students in kindergarten through grade 12.

The following lessons are offered for a nominal fee. They can be reviewed on the web site above.

Economics and the Environment - Students understand the crucial relationship between activity and environmental protection. Activities include courses in environmental studies, economics, natural sciences, social issues, and global issues. Classroom-tested lessons give students insight into a variety of environmental issues. Students learn key concepts – how natural resources are used, and why at times misused and how future economic activity can provide for environmental protection as well as foreconomic growth. Selected by World Wild Life and North American Association for Environmental Education as an exemplary resource to help teach about biodiversity.

Economics and the Environment EcoDetectives - Applying economic reasoning to environmental problems for middle school students. Students learn about protecting endangered species, recycling, and resource depletion. Students solve persistent environmental mysteries. Materials highlighted by California Integrated Waste Management Board and CA Department of Education, together with the Acron Group.

The Great Economic Mysteries Book, Grades 9-12 - Students solve engaging mysteries about environmental issues, natural resources, recycling, waste management, and government issues.

Energy, Economics and the Environment, K-12 - Teaches students how to be responsible stewards of natural resources; the curriculum focuses on energy, economics, and the environment. This publication consists of case studies, supported by classroom activities and issues.

National Energy Education Development Project (NEED)

P.O. Box 2518
Reston, VA 20195
(703) 471-6263
Fax: (703) 471-6306
E-Mail: mspruill@need.org
Web: <http://www.need.org>

A national network of students, educators, and leaders in government and industry dedicated to providing comprehensive energy programming.

Through hands-on science, math, drama, social science, art and music, students work with their peers, teachers, family, and community on energy education programs they design themselves. Memberships are available to educators for little or no cost based on availability of regional sponsorship from NEED's corporate partners. Members receive the NEED 2000-2001 Energy Membership Kit of curriculum materials for K-12 complete with teacher guides to a variety of activities. The Kit also includes Energy Infobooks at all reading levels, covering the nation's leading energy sources and alternative energy sources; Energy Exchange bi-monthly newsletter with classroom and community activities and NEED workshop calendars; supplemental teacher/student guides to complete the educator's classroom energy education package; access to NEED's workshop network and the NEED Youth Awards for Energy Achievement. In 2000-2001, NEED releases EnergyWorks and ElectroWorks – two hands-on science units designed to help students learn about force, motion, heat, light and sound and electricity respectively. Energy Source Expo (a student research program about energy sources) and Energy Science Fair (an experimental research and design program) are new for the 2000-2001 school year as well! The NEED energy Conferences for Educators will be held in July 2001. These 5 day conferences train teachers and energy professionals to implement energy education programs in their classrooms. All NEED programs and materials are correlated to the National Science Education Standards and to local and state standards where available. NEED is also in partnership with the Energy Information Administration to develop the EIA Kid's Page located at www.eia.doe.gov/kids – check it out!

77

National Energy Foundation (NEF)

Resources for Education
National Office
3676 California Avenue, Suite A117
Salt Lake City, UT 84104
(801) 908-5800
Fax: (801) 908-5400
E-Mail: info@nef1.org
Web: <http://www.nef1.org>

A nonprofit educational organization providing educational resources and training services to educators.

Announces the establishment of the new NEF Academy. The Academy is a nationwide program of the Foundation which provides university graduate credit to educators for implementation of energy, environmental, and natural resources education in their classrooms. Academy course topics include energy conservation, rocks and minerals, and natural gas fundamentals and safety. Also included is the NEF award-winning Energy Action Patrol. Each course is independent study, with credit offered from accredited universities. New products available from NEF include two posters, "Natural Gas Technology: A Bridge To The Future," and "Recycling Used Oil: Practices, Pathways, Processes, Products." Offers a new minerals education music CD entitled "Rock Music" which includes a teachers guide and poster. NEF currently has active educational partnerships with private and government entities nationwide, including an educational materials fulfillment program which provides free natural gas education materials to educators around the country. NEF also offers in-service support to sponsors and school districts. A free full-color catalog of educational resources is available free upon request. **78**

National Geographic Society

School Publishing Group
1145 17th Street, N.W.
Washington, DC 20036
1-(800) 368-2728
Fax: (515) 362-3366
Web: <http://www.nationalgeographic.com>
<http://www.nationalgeographic.com/education>

A nonprofit organization.

Provides educational materials designed for the kindergarten through grade 12 earth, physical, and environmental sciences curriculum. Materials include videos, books, atlases, globes, software, maps, posters, Wonders of Learning kits, Picture Pack transparency sets, interactive videodiscs, and CD-ROMs. Free catalogs are available upon request. **79**

The National Hydropower Association

One Massachusetts Avenue, N.W., Suite 850
Washington, DC 20001
(202) 682-1700
Fax: (202) 682-9478
E-Mail: info@hydro.org
Web: <http://www.hydro.org>

An association dedicated to building greater public awareness of the advantages of hydropower as our Nation's most plentiful renewable energy source.

Offers a variety of materials on the production of hydropower, hydro's economic and environmental benefits, and the issues facing the hydropower industry. Posters and educational curriculum are available at nominal cost. An annual conference is held every spring. NHA works closely with the Hydro Research Foundation, the U.S. Hydropower Council for International Development, and other organizations dedicated to hydropower and other forms of renewable energy. Staff is available to answer specific questions and to help identify sources of additional information. **80**

National Mining Association

Education Department
1130 17th Street, N.W.
Washington, DC 20036
(202) 463-2665
Fax: (202) 857-0135
E-Mail: csheppard@nma.org
Web: <http://www.nma.org>

A trade association representing producers of America's coal, metals, industrial minerals, and agricultural minerals; mining equipment manufacturers; and engineering, consulting, and financial institutions that serve the mining industry.

Provides educational materials on mining in the United States and the importance of minerals in our daily lives. Download *Mineral Education Resource Guide* from the above web site or request a hard copy for a nominal fee. A brochure, *What Mining Means to Americans*, is available for a fee to the general public. Single copies are available free to a teacher requesting them on school letterhead. Other materials are available upon request. **81**

National Network of Energy and Environmental Education Professionals

302 West Hill Street, Suite 102
Champaign, IL 61820
(217) 359-9442
Fax: (217) 359-9446
E-Mail: Educational_Dividends@compuserve.com

A grass roots membership organization for program managers in government, business, education and nonprofit organizations. Goal is to serve as an information coordinator and to promote the expansion of energy and environmental education.

Information is available on educational materials, activities and contacts in all aspects of energy and environmental areas. Assistance is available to provide information on programs in our area. **82**

National Propane Gas Association

1600 Eisenhower Lane, Suite 100
Lisle, IL 60532
(630) 515-0600
Fax: (630) 515-8774
E-Mail: info@npga.org
Web: <http://www.npga.org>

A national trade association comprising 3,600 companies representing all aspects of the propane industry.

Provides environmental, safety, and propane industry information in fact sheets, a coloring book, and an activity book. Also available is an Energy Costs Comparison Calculator. **83**

National Rural Electric Cooperative Association

Youth Programs
4301 Wilson Boulevard, GR 11-252
Arlington, VA 22203
(703) 907-5500
Fax: (703) 907-5516
E-Mail: nreca@nreca.org
Web: <http://www.nreca.org>

A service organization based in Arlington, VA. Represents the Nation's 1,000 nonprofit consumer-owned cooperative electric systems, which provide electric service to more than 32 million people in 46 States.

Provides educational booklets and pamphlets aimed at junior and senior high school students (as well as adults). Publications include *History of Rural Electrification*; *Energy and Electricity* (includes a home safety audit); and *Careers in Electric Cooperatives*. Publications are for sale. An order form for the materials is available upon request. **84**

National Science Resources Center (NSRC)

Arts and Industries Building, Room 1201
Washington, DC 20560-0403
(202) 357-4892
Fax: (202) 786-2028
E-Mail: outreach@nas.edu
Web: <http://www.si.edu/nsrc>

NSRC is operated by the Smithsonian Institution and the National Academy of Sciences, the Academy of Engineering, the Institute of Medicine, and the National Research Council -- to improve the teaching of science in the Nation's schools.

Collects and disseminates information about exemplary science teaching resources, develops innovative science curriculum materials, and sponsors outreach activities to help school districts develop and sustain hands-on science programs. Relevant titles include: *Resources for Teaching Elementary School Science* and *Resources for Teaching Middle School Science*, science resource guides; *Electric Circuits, Magnets and Motors, Motion and Design, The Technology of Paper*, and *Ecosystems*, inquiry-centered curriculum units in the Science and Technology for Children (STC) elementary science program; and *Properties of Matter and Energy, Machines, and Motion*, inquiry-centered curriculum units in the Science and Technology Concepts for Middle Schools (STC/MS) middle school science program. **85**

National Science Teachers Association

Publications

1840 Wilson Boulevard

Arlington, VA 22201

1-(800) 722-NSTA

(703) 243-7100

Fax: (703) 243-7177

E-Mail: pubsales@nsta.org

Web: <http://www.nsta.org>

The largest science teachers association in the United States, working to improve the quality of science education nationwide.

Publishes educational products and activity books for students from kindergarten through college. Titles include: *Earth: The Water Planet; Water, Stones & Fossil Bones; Ten-Minute Field Trips; Energy Sources and Natural Fuels; Taking Charge: An Introduction to Electricity; Water Matters; Project Earth Science: Astronomy; Project Earth Science: Meteorology; Project Earth Science: Physical Oceanography; Project Earth Science: Geology; Earth At Hand; Decisions - Based on Science; Biodiversity; Carrying Capacity; Deforestation; Evidence of Energy: An Introduction to Mechanics; Move with Science: Energy, Force & Motion; and Teach With Databases: Toxics Release Inventory*. These books are available for a fee. A free catalog is available upon request. **86**

National Wildlife Federation

8925 Leesburg Pike
Vienna, VA 22184
(703) 790-4100
Fax: (703) 790-4094
E-Mail: wildlife@nwf.org
Web: <http://www.nwf.org>

The Nation's largest nonprofit conservation education organization. The mission of the National Wildlife Federation is to educate, inspire, and assist individuals and organizations of diverse cultures to conserve wildlife and other natural resources and to protect the Earth's environment in order to achieve a peaceful, and sustainable future.

Publishes the magazines *Wild Animal Baby*[™], *Your Big Backyard* and *Ranger Rick*[™] for children and *National Wildlife*, and *International Wildlife* for adults; produces a **free** *National Wildlife Week* poster for educators each year; produces curriculum units and facilitates teacher training workshops around the country on the following topics: Habitat, Water, Wetlands, Urban Communities, Wolves, Bison and The Northern Forest; offers resources and training to schools interested in creating outdoor learning areas on school grounds through the *Schoolyard Habitats*[®] Program; produces on-line resources for educators at www.nwf.org/education. Call to schedule an educator workshop or to receive an educator information packet. **87**

Natural Gas Supply Association (NGSA)

805 15th Street, N.W., Suite 510
Washington, DC 20005
(202) 326-9300
Fax: (202) 326-9330
E-Mail: mail@ngsa.org
Web: <http://www.ngsa.org>

A national, nonprofit trade association representing integrated and independent companies that produce and market domestic natural gas. Established in 1965, NGSA encourages expanded use of natural gas and regulatory and legislative actions that foster competitive markets.

All materials provided by NGSA are contained in the following Web site:

<http://www.ngsa.org> – contains information about public policy issues of concern to natural gas consumers as well as to those employed in and interested in the industry. Issues covered include supply issues (royalty payments and field deliverability of natural gas), issues related to the Federal Energy Regulatory Commission (including the transmission and gathering of natural gas and the rates and regulations of interstate natural gas pipelines), distribution issues (retail

competition at the consumer level) and demand issues (environmental regulations that prevent natural gas from being used to improve air quality and the use of natural gas to generate electricity). An annotated list of natural gas associations is included. **88**

The Natural Gas Vehicle Coalition

1100 Wilson Boulevard, Suite 850
Arlington, VA 22209
(703) 527-3022
Fax: (703) 527-3025
E-Mail: kbatte@NGVC.org
Web: <http://www.NGVC.org>

A national organization dedicated to the development of a growing, sustainable and profitable natural gas vehicle market. The NGVC represents more than 180 natural gas companies, equipment manufacturers and service providers, as well as environmental groups and government organizations interested in the promotion and use of natural gas as a transportation fuel.

Acts as a clearinghouse for information on natural gas vehicles for members and the general public. General information packets and the *Member Business Guide*, a list of member equipment suppliers and the products and services they provide, are available free of charge. Also available for a nominal fee is "The Road to Clean Air," a 12-minute educational video which features actress Lindsay Wagner describing the virtues of natural gas vehicles. **89**

New York State Geological Survey/State Museum

3136 Cultural Education Center
Albany, NY 12230-3136
(518) 474-5816
Fax: (518) 486-3696
E-Mail: rfakundi@mail.nysed.gov
Web: <http://nysm.nysed.gov/geology/html>

The mission of the New York State Geological Survey is to make services available to all agencies and people of New York State; conduct geological research; and cooperate with agencies of other States, Federal Government, educational institutions, and industry in the discovery, analysis, and dissemination of geologic information.

Provides free educational leaflets for both students and teachers for kindergarten through grade 12. Conducts workshops and classes in geological sciences through the New York State Museum in Albany, NY. Produces geological maps and reports for both professionals and the general public. A catalog of publications is available free upon request. **90**

The NoodleHead Network

107 Intervale Avenue
Burlington, VT 05401
1-(800) 639-5680
(802) 862-8675
Fax: (802) 864-7135
E-Mail: noodlhed@together.net
Web: <http://www.noodlehead.com>

An educational video producer and distributor that creates videos from a kid's viewpoint.

Produces and distributes educational videos for kids. Specializes in energy-related video tapes for utilities and the kindergarten through grade 12 school market. Kids play an integral role in the creation of each tape -- from scriptwriting to acting to editing. Titles include: "Simple Things You Can Do To Save Energy," "Simple Things You Can Do To Save Energy In Your School," and "KnuckleHead's Electrical Safety Series." Videos are available for purchase in VHS format or with duplication and broadcast rights. Free catalogs and preview copies of the videos are available upon request. **91**

North Carolina Solar Center

Box 7401
North Carolina State University
Raleigh, NC 27695-7401
(919) 515-3480
Fax: (919) 515 5778
E-Mail: ncsun@ncsu.edu
Web: <http://www.ncsc.ncsu.edu>

The North Carolina Solar Center serves as the state's clearinghouse for solar energy programs, research information, education and technical assistance. The Center is sponsored by the Energy Division of the NC Department of Administration and the U.S. Department of Energy, with State Energy Program funds in cooperation with North Carolina State University.

The Center seeks to advance the use of solar energy through information and education programs and services. The **NCSU Solar House**, built by the NCSU College of Engineering, is the education headquarters for the Center. The Solar House which is open to the public, provides a reference library, video library, and educational resources for teachers and students. A computer displaying renewable energy CDs and other Solar Center resources is located in the Solar House library. Our Web site provides a listing of our programs, workshops, special events, fact sheets, books for sale, library bibliography, videos, and other Solar Center resources. **92**

Northeast Sustainable Energy Association (NESEA)

50 Miles Street, Suite 3
Greenfield, MA 01301
(413) 774-6051
Fax: (413) 774-6053
E-Mail: edu@nesea.org
Web: <http://www.nesea.org>

The largest regional energy association in the United States, and a leading force in public and professional education, advocacy, and policy information.

Offers educational programs and resources that enable teachers and students to explore solutions to the negative impacts of our nation's use of energy. Topics include renewable energy, clean transportation technologies, environmentally wise everyday choices, and the role of trees in the energy and carbon cycle. Free publications include two middle school lesson sets, *Getting Around Without Gasoline*, and *Getting Around Clean & Green*; an elementary level (grades 4-7) educational challenge entitled *Choose Your Future Adventure Game* to find sustainable solutions to ecological problems; and a new high school unit on alternative fuels entitled *Cars of Tomorrow and the American Community*. Also offers *Totally TREE-Mendous Activities* for grades 3 through 6 for a fee; free transportation resource packets for elementary, middle and high school students; and the *Future Wheels for a Sustainable America* resource list describing additional educational materials, videos, resource books, and web sites on sustainable transportation.

In addition, NESEA runs educational programs for teachers and students as follows: (1) The Northeast Regional Junior Solar Sprint that invites middle school students to participate in a miniature solar car competition run by area coordinators from the mid-Atlantic, New England, and New York states. (2) The NESEA American Tour de Sol, the electric vehicle championship that invites high school students to build an electric or hybrid vehicle and enter the event, and also invites students of all ages to take a field trip to the event and receive a guided tour of the vehicles. (3) The getting Around Without Gasoline Program in Massachusetts' Pioneer Valley that provides opportunities for teachers and students to learn about and reduce pollution from transportation in the "Valley." Also offers workshops and conferences for educators on the topics outlined above.

NESEA's Web site, eleven local chapters, and publications such as the *Northeast Sun* magazine keep a vital and growing network of members informed on the latest information on sustainability as it pertains to energy production and use, buildings, and transportation. Contact NESEA to receive information on any of these offerings.

Northeast Utilities

Community Relations-Educational Programs
 P.O. Box 270
 Hartford, CT 06141-0270
 1-(800) 286-5000, ext. 4007
 Fax: (860) 721-4013
 Web: <http://www.nu.com>

An investor-owned electric utility serving Connecticut, western Massachusetts, and New Hampshire.

Provides educational services free to educators and organizations **in the areas served by Northeast Utilities**. Offers visits to information centers, tours, classroom presentations, nature trails and environmental education, speakers' bureau, safety presentations, video library, energy/nuclear energy curriculum and related literature, teacher workshops, and teaching kits. Booklets and posters for kindergarten through grade 12 are available. Also has pamphlets on home appliances, insulation, heating and cooling, and weatherization.

*Connecticut Yankee
 Decommissioning Information
 Center*
 362 Injun Hollow Road
 Haddam Neck, CT 06424-3099
 1-(800) 348-INFO (CT only)
 (860) 267-9279

*Public Service of New Hampshire
 Amoskeag Fishways Learning
 Center*
 1000 Elm Street
 Manchester, NH 03105
 (603) 626-3474
 Web: <http://www.psnh.com>

*Millstone Information & Science
 Center*
 278 Main Street
 Niantic, CT 06357
 1-(800) 428-4234 (CT only)
 (860) 691-4670
 Fax: (860) 691-4676

*The Science & Nature Center
 at Seabrook Station*
 Box 300, Route 1
 Seabrook, NH 03874
 1-(800) 338-7482 (New England only)
 (603) 474-9521, Ext. 2727
 Fax: (603) 773-7788

*Northfield Mountain Recreation
 & Environmental Center*
 99 Millers Falls Road
 Northfield, MA 01360
 1-(800) 859-2960
 (413) 659-3714
 Fax: (413) 659-4460
 E-Mail: nerc@nu.com

SmartLiving Center
 2231 Berlin Turnpike
 Newington, CT 06111
 1-(800) 228-7764
 Web: <http://www.smartliving-ct.com>

Nuclear Energy Institute

1776 I Street, N.W., Suite 400
Washington, DC 20006-3708
(202) 739-8000
Fax: (202) 785-4019
E-Mail: publications@nei.org
Web: <http://www.nei.org>

The nuclear energy industry's Washington-based policy organization.

Provides a variety of publications on nuclear energy issues, including the benefits of electricity generated by nuclear power, public opinion data on nuclear energy, and statistical data on nuclear energy. Complimentary packets of material on nuclear energy are available for students and teachers. For more information, contact the NEI Publications Office. **95**

Nuclear Information and Resource Service

1424 16th Street, N.W., Suite 404
Washington, DC 20036
(202) 328-0002
Fax: (202) 462-2183
E-Mail: nirsnet@nirs.org
Web: <http://www.nirs.org>

A nonprofit information and networking center for citizens and environmental organizations concerned about nuclear power, radioactive waste, radiation, and sustainable energy issues.

Furnishes fact sheets on nuclear waste, safety, general information, and alternative energy. Single copies are available. *The NIRS Energy Audit Manual: How to Audit Campus & City Buildings*, is available for a fee; includes chapters on lighting efficiency, heating, and air conditioning designed to help students calculate energy and cost savings for their school (high school and above). Current information on the nuclear industry and events is available, as well as a catalog of related articles. **96**

OG&E Electric Services

Community Services
P.O. Box 321 MC 204
Oklahoma City, OK 73101
(405) 553-3015
Fax: (405) 553-3508
E-Mail: pangborl@oge.com
Web: <http://www.oge.com>

An investor-owned electric utility serving parts of Oklahoma and western Arkansas.

Provides educational materials free to educators **in the areas served by OG&E Electric Services**. Materials include films/videos, literature, multimedia kits with teacher/student materials. Activity booklets and a teacher resource guide are also available. **97**

Ohio Energy Project (OEP)

7099 Huntley Road, Suite 105A
Columbus, OH 43229
(614) 785-1717
Fax: (614) 785-1731
E-Mail: oeplib@ohioenergy.org
Web: <http://www.ohioenergy.org>

A nonprofit organization where the two major areas of focus are: 1) innovative, FUN and hands-on education about energy/energy efficiency and 2) opportunities for students to develop leadership, teamwork and presentation skills through our “Kids Teaching Kids” approach. Working with teachers only or teachers and students, OEP presents current, accurate, relevant, inter-disciplinary and unbiased information about the whole field of energy - the science, economics, geography and environmental aspects. OEP has been recognized as an Ohio’s BEST Practice in Education.

Energy Bike or Energy Cycle programs are among our most popular, utilizing one of the most successful teaching tools for “grabbing” students attention, while allowing them to “feel and sense” energy use and transformations. Recognized by EPA and EECO as one of the 12 most outstanding environmental education programs, teacher teams are trained at workshops and, in turn train others in their districts. Various sponsors frequently fund the project and donate the complete package to the districts. Ohio’s Energy Smart Schools Program is another major program. A partner in the Recycle America Campaign, OEP works with school districts to involve students in positively affecting their learning environments, while helping save energy and energy dollars and exploring use of alternative energy sources. Customized programs with the administrators, curriculum directors and teachers of each school district can incorporate a wide range of OEP materials and program components, as desired.

The “Kids Teaching Kids” Workshop season involves a dramatic and positive “domino effect,” which reaches hundreds of teachers, thousands of students and tens of thousands of family and community members each year. The process begins with teachers throughout the state and a team of students (grades 7 - 12) being trained at The Youth Energy Summits. These students co-facilitate with OEP staff members Leadership Workshops and Energy Fairs (the major difference is size), attended by students (grades 4 - 8) and teachers. These groups return to their district and community to conduct a variety of creative energy outreach activities. All of this is celebrated each May in a gala Youth Awards Banquet in Columbus, attended by 600-1,000 teachers, student sponsors and government officials.

The largest affiliate of NEED, OEP offers two Partnership Options for educators. A FREE Network Partnership provides basic materials, free access to most workshops and periodic updates to OEP information, preferably via e-mail. A second option, a Joule Partnership at a nominal cost, includes a full NEED membership package. **98**

Ohio Oil & Gas Association

1718 Columbus Road, SW
P.O. Box 535
Granville, OH 43023-0535
(740) 587-0444
Fax: (740) 587-0446
E-Mail: tstewart@ooga.org
Web: <http://www.ooga.org>

Formed in 1947 to protect, promote, foster and advance the common interests of those engaged in all aspects of the Ohio crude oil and natural gas producing industry. With a 1,400 membership, this is one of the largest organizations of its kind in the United States.

Offers the following materials: Drill Bits, a series of informational news articles concerning issues of public interest; *Facts at a Glance*, an informational brochure about the Ohio crude oil and natural gas industry; *The Energist: Getting to Know Natural Gas* (single copy); and *The Energist: Getting to Know Petroleum* (single copy). Also available is a list of several hundred products made from petroleum; and activities and puzzles designed for classroom use prepared by the Ohio Division of Geological Survey. **99**

Oklahoma Energy Resources Board

3555 N.W. 58th, Suite 430
Oklahoma City, OK 73112
1-(800) 664-1301
(405) 942-5323
Fax: (405) 942-3435
E-Mail: twise@oerb.com
Web: <http://www.oerb.com>

An oil and natural gas industry-funded state agency dedicated to energy education and restoring environmentally damaged orphaned and abandoned oil and gas production and exploration sites.

Provides to Oklahoma educators free of charge the following: teachers guides with classroom activities for *Fossils to Fuel* and *Petro Active*, two science-based energy curriculum units for elementary and middle schools. Also sponsors 1½ day training in the use of the curricula and reimburses school districts for substitute pay during workshops. Offers free of charge a statewide coordinated program entitled Petro Pros (Petroleum Professionals in the Classroom). This interactive hands-on program is presented by oil and natural gas industry volunteers who bring energy facts to the classroom in 45-minute presentations. Also free of charge is an oilfield safety video, "Play It Smart!" Geared to middle school students, it explains the dangers of playing around oilfield equipment. It stars members of the Dallas Cowboys football team as well as other football teams. **100**

Omaha Public Power District

Consumer Relations Department
444 South 16th Street Mall
Omaha, NE 68102-2247
(402) 636-3747
Fax: (402) 636-3922
E-Mail: sjefferson@oppd.com
Web: <http://www.oppd.com>

A public utility serving the electric needs of customers in eastern Nebraska.

Provides educational services free of charge to schools in the utility's service area. Services include classroom programs and speakers, career planning information, films/videos, tours of power plants and other facilities, and literature for students and teachers in all grades. Also provides information on Omaha Public Power District's Buddy Alert and SafetySaurus Programs. All materials are available upon request. **101**

Pacific Gas & Electric Company

Customer Energy Management Department
123 Mission Street, Room 2480, Mail Code H28L
P.O. Box 770000
San Francisco, CA 94177
(415) 972-5416
Fax: (415) 973-8166
E-Mail: PMW2@pge.com
Web: <http://www.pge.com>

An investor-owned utility serving more than 4 million residential customers.

Provides the Energenius Educational Series, several complete curriculum programs focusing on energy efficiency and gas and electric safety education for grades 1 through 8. Curriculum materials **are provided at no cost to schools within the service territory**. Energenius Educational Series comes complete with teacher curriculum guide and student activities for each student. The core of the series consists of multi-lesson classroom programs designed to engage students in active, age-appropriate learning and to relate to pace-setting curriculum standards such as those of the State of California. Games and activities can be used inside or outside the classroom and involve both young people and their families. **102**

PPL Utilities

Education Relations/Community Affairs
Two North Ninth Street
Allentown, PA 18101-1179
(610) 774-6914
Fax: (610) 774-6503
Web: <http://www.pplweb.com>

An investor-owned electric and natural gas utility serving over 1.3 million customers in Pennsylvania.

Provides energy and environmental education materials and programs to educators and students. This includes kindergarten through grade 12 curriculum, employees who volunteer as tutors, Nuclear Energy Seminar for Teachers (NEST) (worth 3 graduate credits), Energy and Environment Workshop (worth 1 graduate credit), Teaching Environmental Awareness (TEA) workshops, School-to-Career programs, electrical safety programs, a newsletter (*Partners*) for educators, Let's Get Real real-life problem solving competition for middle and high school teams, and a high school environmental forum/debate competition. **103**

Polystyrene Packaging Council

1300 Wilson Boulevard, Suite 800

Arlington, VA 22209

(703) 253-0649

Fax: (703) 253-0651

E-Mail: pspc@plastics.org

Web: <http://www.polystyrene.org>

The Polystyrene Packaging Council (PSPC) is a business unit of the American Plastics Council (APC). PSPC represents the major resin suppliers of polystyrene and the fabricator companies that use the resin to manufacture polystyrene products. PSPC's mission is to serve as a forum for issues of importance to the polystyrene industry, and to serve as the polystyrene industry spokesgroup on issues of importance to selected audiences and the general public.

Offers general information brochures on polystyrene and solid waste management. One copy is available free of charge. **104**

Procter & Gamble

Educational Services

P.O. Box 14009

Cincinnati, OH 45250-0009

(513) 945-8450

Fax: (513) 945-8979

E-Mail: true.tb@pg.com

Public Affairs Division of a consumer products company.

Offers the free environmental education teaching kit "Planet Patrol" for grades 4 through 6. Materials teach students how to be a part of the solution to America's growing solid waste crisis. The teaching unit includes teacher's guide, student worksheets, and classroom poster. **105**

Propane Education & Research Council

1776 K Street, N.W., Suite 204

Washington, DC 20006

(202) 452-8975

Fax: (202) 452-9054

E-Mail: info@propanecouncil.org

Web: <http://www.propanecouncil.org>

Promotes the safe use of propane gas as a preferred energy source through consumer education, research and safety programs. The 21-member Council was authorized by the Propane Education and Research Act of 1996 and created by industry referendum in 1997.

Produces fact sheets and other materials regarding the safe uses of propane. All information can be found on the Propane Council's web site. Propane is a clean burning fuel and one of the nation's most versatile sources of energy. It is a trusted and reliable energy source used by more than 60 million Americans for heating and cooling homes, cooking, refrigeration, drying clothes, heating water, barbecues, lighting and even gas fireplaces. It is a leading alternative fuel for automobiles and trucks, and is widely used for forklifts and other special-duty vehicles and engines. It has many recreational, industrial, agriculture and commercial applications.

Through the Propane Council, the propane industry is committed to a multi-year, multi-million dollar effort to improve customers and employee safety, to fund research and development of new and more efficient equipment and to expand public awareness of propane and its many "exceptional" uses and environmental advantages.

106**The Radon Group, Ltd.**

P.O. Box 80653

Portland, OR 97280-1653

(503) 245-7092

Fax: (503) 245-7092

E-Mail: radongrp@uswest.net

Hands-on energy education program developers and distributors.

Provides easy-to-use "hands-on" kits meeting Education 2000 goals. Products work with all major science texts. Kits contain teacher guide, student masters, vocabulary, and hardware. Titles include the following: "Insulation Station Kit" on energy efficiency for grades 4 through 9; "Partnerships For A Work Ready America Kit," a conservation program for grades 10 through 12; "Generating Electricity Suitcase Kit" and a video "Zap Rap" on electricity safety for grades 3 through 8; "Nuclear Energy Kit" for grades 4 through 9; and "Solar Photovoltaic Suitcase Kit" and "Hydroelectricity - Water Power Suitcase Kit" for grades 3 through 8. Custom teacher in-service programs are sponsored by participating utilities. Materials are provided free of charge by most utilities. Products may be purchased directly from the company. A free catalog is available.

107

Railroad Commission of Texas

P.O. Box 12967

Austin, TX 78711-2967

(512) 463-6710 (TEAM materials)

Fax: (512) 463-8463

(512) 463-7110 (Alternative Transportation Fuels materials)

Fax: (512) 463-7292 (Alternative Transportation Fuels materials)

E-Mail: gene.acuna@rrc.state.tx.us

Web: <http://www.rrc.state.tx.us> (see energy education)

A State energy agency that regulates the oil and gas, alternative fuels and surface mining industries in Texas. The Commission serves Texans by: its stewardship of natural resources and the environment, its concern for personal and community safety, and its support of enhanced development and economic vitality.

Provides educational materials free to Texas teachers (kindergarten through grade 12) during Texas Energy Awareness Month (TEAM) each September. Texas oil and gas materials include suggested lesson plans, black-line masters for bookmarks and bulletin boards, a speaker's bureau, and resource lists. A bimonthly TV show called "Energize Your Classroom" is available through T-STAR, the state education satellite network. This show provides information about free or low cost energy materials. A document entitled *Energy and Environmental Texas Essential Knowledge & Skills in Social Studies* is available. Also provides free educational workshops and supplemental curriculum materials called, "Alternative Transportation Fuels" for secondary science teachers in Texas. These materials are correlated with Texas Essential Knowledge and Skills and are provided to participants in the workshops only. Materials include a video called "Way Cool Fuels," posters, a game and additional resources. Also includes multi-lesson units entitled "What is Energy?," "Fuels for Everything," "What are Alternative Transportation Fuels?," "Air Pollution and Health," "Dollars and Sense," and "Technology." A teacher's guide, glossary, bibliography and a list of additional resources are provided. Workshops will be offered across Texas. Participating teachers receive extra-duty pay or reimbursements for substitute fees. *Alternative Transportation Fuels* is a joint project of the Texas Railroad Commission, the Texas General Land Office, and the Texas Education Agency and is funded from grants from the U.S. Department of Energy, the Texas State Energy Conservation Office, and the Texas Alternative Fuels Council. Seven free teacher and student lessons are available from the above Web site (see energy education). **108**

Reliant Energy HL&P

Community Relations/Educational Relations
1111 Louisiana
P. O. Box 1700
Houston, TX 77251
(713) 207-1111 or (713) 207-7579
Fax: (713) 207-9892
E-Mail: lucretia-ahrens@reliantenergy.com
Web: <http://www.reliantenergy.com>

An investor-owned electric utility, headquartered in Houston, serving a 5,000-square-mile area on the Texas Gulf Coast.

Provides free educational services to kindergarten through grade 12 educators **in the Reliant Energy HL&P service area**. Services include classroom presentations, films, videotapes, publications, and activity booklets for students. Resources and newsletters for educators and teacher in-service training, as well as teacher workshops, are also available. In addition, curriculum supplements are available on science and social studies topics and on electricity safety and fuel sources. New "Electric Universe" Internet Resource for Teachers and Students can be found at the Web site listed above. **109**

Renew America

1200 18th Street, N.W., Suite 1100
Washington, DC 20036
(202) 721-1545
Fax: (202) 467-5780
E-Mail: renewamerica@counterpart.org
Web: http://www.crest.org/renew_america

The Nation's source for environmental solutions.

Promotes successful environmental programs to foster their replication. Resources include the *Environment Success Index*, a listing of over 1400 verified programs, and Kid's! Renew America, a page on our Web site devoted to networking and informing kids about environmental and sustainability issues. Please refer to our Web site for these valuable environmental resources. **110**

Renewable Fuels Association

One Massachusetts Avenue, N.W., Suite 820
Washington, DC 20001
(202) 289-3835
Fax: (202) 289-7519
E-Mail: info@ethanolrfa.org
Web: <http://www.ethanolrfa.org>

A national nonprofit association promoting domestically produced renewable ethanol as an alternative to imported energy sources.

Provides general information and Industry Annual on ethanol, a clean-burning, renewable transportation fuel produced from agricultural feedstocks and wastes. Additional information is available free of charge by visiting the above Web site or calling the above number. **111**

Renewable Energy Policy Project (REPP) and Center for Renewable Energy and Sustainable Technology (CREST)

1612 K Street, N.W., #202
Washington, DC 20006
(202) 293-2898
Fax: (202) 293-5857
E-Mail: comments@crest.org
Web: <http://www.crest.org>
<http://www.repp.org>

REPP-CREST is a nonprofit organization dedicated to promoting renewable energy, energy efficiency and sustainable development using reliable, unbiased research, interactive multimedia web sites and software.

REPP-CREST operates an online clearinghouse of clean energy and energy efficiency information, which provides free electronic access to documents, images, directories, and other databases around the world. REPP-CREST has published multimedia educational CD-ROMs about renewable energy efficiency, and global climate change, including the *Sun's Joules* multimedia encyclopedia on renewable energy, and fuel cells for transportation. Other documents include research reports on all types of renewable energy such as solar, hydro, wind and bioenergy. **112**

Safe Energy Communication Council

1717 Massachusetts Avenue, N.W., Suite 106
Washington, DC 20036
(202) 483-8491
Fax: (202) 234-9194
E-Mail: safeenergy@erols.com
Web: <http://www.safeenergy.org>

A national nonprofit coalition fighting for environmentally safe, affordable energy.

Offers publications and graphics that deal with a variety of issues, including utility deregulation, nuclear power, nuclear waste dangers, global warming, energy efficiency and renewable energy, available for a nominal fee. Titles include: *Reinventing Electric Utilities*; *MYTHBusters #10: International Nuclear Power*; *MYTHBusters #9: Nuclear Power Economics*; *Power Boosters: Ohio's Energy Efficiency Success Stories (Industrial)* and *Power Boosters: Pennsylvania's Energy Efficiency Success Stories*. Request a publications list for other titles.

113**Science Screen Report**

1000 Clint Moore Road
Boca Raton, FL 33487-2806
1-(800) 232-2133 - (561) 994-9111
Fax: (561) 241-0707
E-Mail: allegro@ssrvideo.com
Web: <http://www.ssrvideo.com>

The only award winning video tape program made available free of charge to schools through corporate sponsors.

Science Screen Report and Science Screen Report for Kids are ongoing secondary and elementary videotape series that focuses on the most recent developments in science, technology, and engineering. Produced since 1970, SSR is a proud participant in the National Science Foundation's Presidential Awards for Excellence in Mathematics and Science Teaching. SSR is designed to stimulate student interest in the challenges and opportunities of pursuing careers in science. More than 650 corporations currently sponsor SSR to 3,500 school districts nationwide. The videotapes have a long shelf life to allow repeated use year after year and become the permanent property of the school system.

114

Science Service

1719 N Street, N.W.
Washington, DC 20036
(202) 785-2255
Fax: (202) 785-1243
E-Mail: sciedu@sciserv.org
Web: <http://www.sciserv.org>

The mission of Science Service is to advance the understanding and appreciation of science among people of all ages through publications and educational programs.

Science Service administers three youth programs. The Intel International Science and Engineering Fair (ISEF) is a competition for students in grades 9 through 12. Students participate in their regional and/or State ISEF-affiliated fair. Two individual student projects and one team project of up to three students are chosen to participate in the ISEF. Participants are eligible for scholarships, scientific field trips, summer research internships, and equipment. The Science Talent Search awards \$530,000 in scholarships to 40 finalists. Top prize is a \$100,000 scholarship. Participants must be seniors in high school. Students submit a report of an independent research project in the sciences, official entry form, transcript, test scores, and teacher recommendations. The submission deadline can be as early as late November, but no later than early December. For an official entry form and specific deadline, contact Science Service. The Discovery Young Scientists Challenge is a national science competition for 5th through 8th graders. Students participate in their regional and/or state science fair. Four hundred semifinalists are chosen and announced in early September. Later in September 40 finalists are announced. In late October, the finalists travel to Washington, DC for an all-expense paid trip to compete for over \$40,000 in scholarships and trips. **115**

Shell Oil Company

Corporate Communications
P.O. Box 2463
Houston, TX 77252-2463
(713) 241-6161
Fax: (713) 241-6988
Web: www.countonshell.com

Oil company department that responds to public inquiries pertaining to energy and environmental issues.

Offers *Oil*, a booklet describing the origin of oil and its production, conversion to thousands of products, and distribution to customers around the world. Also available are *A Story of Achievement*, a brief history of the Shell Oil Company, and *Count on Shell Driving Safety* booklets. Booklets are free of charge, but quantities are limited. **116**

SME

P.O. Box 277002
Littleton, CO 80127
1-(800) SME-3132
(303) 973-9550
Fax: (303) 973-3845
E-Mail: sme@smenet.org
Web: <http://www.smenet.org>

A nonprofit educational organization providing educational resources related to energy, minerals, and mining. The Society for Mining, Metallurgy & Exploration, Inc., (SME) is the worldwide professional society for mining engineers.

Offers both free and for-sale materials including classroom resource guides, posters, videos, and computer programs. Also can provide teachers with contacts among SME members in most geographic locations who are willing to help in teaching about minerals and mining. **117**

Society of Automotive Engineers

SAE Foundation
400 Commonwealth Drive
Warrendale, PA 15096-0001
1-(800) 457-2946
Fax: (724) 776-0890
E-Mail: awim@sae.org
Web: <http://www.sae.org/STUDENTS>

The SAE Foundation is dedicated to supporting the development of educational programs to improve mathematics, science, and engineering education, from the elementary grades through graduate school.

Provides A World in Motion: The Design Experience (AWIM), a series of three specially adapted engineering design challenges for grades 4 through 8. AWIM is a multi-disciplinary curriculum, which includes math, science, social studies, and technology education. The program is an integrated curriculum built upon a real life scenario. The goals of AWIM are to improve the teaching and learning of science, mathematics and technology education through the integration of the disciplines. AWIM is a program based on an engineering design experience, suitable for elementary and middle school students and teachers; to strengthen the collaboration between students in design teams and teachers in teaching teams; to mobilize members of the community as classroom volunteers in support of a curriculum experience. Please write or E-mail SAE to obtain information on how to receive a free copy of A World in Motion for your local school. **118**

Solar Energy Industries Association

1616 H Street, N.W., 8th Floor
Washington, DC 20006
(202) 628-7979
Fax: (202) 628-7779
E-Mail: solarsklar@aol.com
Web: <http://www.seia.org>

A nonprofit national trade association which represents the photovoltaic and solar thermal manufacturers and component suppliers.

Publishes *Renewable Energy Fact Sheets*, which include information and classroom activities. Also produces *Solar Science Activities*, which includes dozens of classroom activities for grades 5 through 9, and *Energy, Technology and Society*, which is geared for high school students and provides information on alternative energy technologies. All are available for a fee. A free publications catalog is available upon request. CD-ROM educational modules are available through the Solar Energy Research and Education Foundation. **119**

Solar Now, Inc.

The Sunroom
100 Sohler Road
Beverly, MA 01915
(978) 927-9SUN
Fax: (978) 927-9191
E-Mail: solar19@idt.net
Web: <http://www.solarnow.org>

A national nonprofit organization providing education about all forms of renewable energy to teachers, students, environmentalists and sustainability enthusiasts.

Provides programs for students and educators seeking hands-on renewable energy education. Based at one of the nation's largest photovoltaic sites, our field study center also hosts a 10kW windmill and an interactive classroom. Field trips may be arranged by calling the above number. The following are also offered: comprehensive teacher education workshops, summer internships for college students, a library of renewable energy activities, and student conferences. A desk-top publication, *A Curriculum Framework for Education in Environmental and Renewable Energy Science: Grades Pre-Kindergarten through 1st Year College* is available for a small fee. **120**

Steel Recycling Institute

680 Andersen Drive
Pittsburgh, PA 15220-2700
1-(800) 876-7274
Fax: (412) 922-3213
E-Mail: sri@recycle-steel.org
Web: <http://www.recycle-steel.org>

An industry association dedicated to promoting and sustaining steel recycling across the country.

Provides materials for primary, middle and secondary school educators. Materials include *Nature's for ME*, a preschool teacher's guide filled with nature-related interactive exercises; "Let's Recycle Together," a finger puppet and four coloring poster play scenes/stories for ages 4 through 7; "YES I CAN!," a video and teacher's guide for grades 1 through 3; "Earth Cycles," a cross-age teaching program for grades 8 through 12 and grades 3 through 5. The guide outlines 3 hands-on activities; "Roscoe's Totally Cycled World," a new middle school CD-ROM with interactive missions in science, language arts, math and social studies; and "Cycles for Science," high school curriculum supplements for Biology, Chemistry, Physics and Earth/Life Science, and a community volunteer activities guide to support the program. Information and prices are available through order forms. Additional materials such as activity sheets (black sheet masters), and a coloring poster are available. Please indicate grade level(s) for which materials or order forms are needed. **121**

The Wilds

14000 International Road
Cumberland, OH 43732
(740) 638-2220
Fax: (740) 638-2287
E-Mail: shubbard@thewilds.org
Web: <http://www.thewilds.org>

The Wilds, a nonprofit organization working to advance conservation through education and research programs which emphasize the intensive management of wildlife resources.

Situated on 9,154 acres of reclaimed strip-mined land, the Wilds manages more than twenty species of large mammals in open range settings for education, breeding and research. Education programs for elementary, middle and high school age students include free lessons from the innovative, interdisciplinary curriculum, *Wildlife Conservation Studies Program*, available on the education web site, <http://www.thewilds.org>. Also available are distance learning programs which utilize interactive video to reach classrooms with problem-based, science instruction. On-site programs include guided tours, day camps and overnight camps – all focused on building knowledge, skills, and attitudes important to the restoration of habitat and the conservation of wild spaces and wild species. **122**

Troll School and Library

100 Corporate Drive
Mahwah, NJ 07430
1-(800) 929-8765
Fax: 1-(800) 979-8765
E-Mail: webmaster@troll.com
Web: <http://www.troll.com>

A publishing firm specializing in children's books.

Publishes educational materials for students from Pre-Kindergarten through grade 8. Includes a complete line of science materials relating to life, earth and physical sciences. New Horizons, a Science, Technology and Environment Program, hands-on kits, and various supplemental books are available. Materials may be purchased from the publishers. Free catalogs are available upon request. **123**

Union of Concerned Scientists

Two Brattle Square
Cambridge, MA 02238-9105
(617) 547-5552
Fax: (617) 864-9405
E-Mail: ucs@ucsusa.org
Web: <http://www.ucsusa.org>

An independent, nonprofit organization of scientists and other citizens concerned about the impacts of advanced technology on society.

The Union of Concerned Scientists (UCS) has created a unique alliance between many of the nation's leading scientists and thousands of committed citizens to address the most serious environmental and security threats facing humanity. Materials include books, fact sheets, and briefing papers on global warming, transportation policy, renewable energy, nuclear power safety, and sustainable agriculture. Fact sheets include: *What is Global Warming?*; *Global Warming Hot Air: Some Popular Myths Dispelled*; *Cars and Trucks and Global Warming*; *Energy and Global Warming*; and *Global Warming Solutions*. Free brochures include *Solar Power*, *Energy on the Road*, *Nuclear Power*, *Renewable Energy and Developing Nations* and the *World Scientists' Call for Action on Global Warming*. UCS's newest book is *Energy Innovations: A Prosperous Path to a Cleaner Environment*, which describes how we can reduce the threat of global warming while helping the economy. Teachers can purchase a 100-page multidisciplinary guide to teaching renewable energy in grades 7 through 12, as well as a collection of eight posters on renewables and a renewable energy slide show. **124**

University of Florida

Center for Economic Education
186 Norman Hall
Gainesville, FL 32611-2053
(352) 392-0971
Fax: (352) 392-9193
E-Mail: econed@coe.ufl.edu
Web: <http://www.coe.ufl.edu/CEE/CEE.html>

A university center responsible for providing educational materials to teachers.

Provides curriculum guides for teachers. Available for a fee are the *Energy and Economics* (high school); *Resources and Energy* (grades 2 and 3); and *Resources and Energy* (middle school) curriculum guides designed to give students a greater understanding of the connections between energy and economics. Bulk orders of 100 or more copies can be purchased at a discount. **125**

University of Illinois at Urbana–Champaign

School of Architecture–Building Research Council (BRC)
1 East St. Mary's Road
Champaign, IL 61820
1-(800) 336-0616
Fax: (217) 244-2204
E-Mail: kgallghr@uiuc.edu
Web: <http://www.arch.uiuc.edu/brc>

A nonprofit information clearinghouse and research center.

Publishes 8-, 12-, and 16-page booklets on how to make homes comfortable, healthy, and energy efficient, which are appropriate for home owners and seniors in high school. BRC offers the following publications at a nominal fee: *Home Inspection*, which examines each home system -- plumbing, electrical, etc., and provides a checklist for buying a home; *Lighting*, which focuses on task, security, and general lighting; *Energy Management*, which outlines practical management plans for summer and winter; *Insulating*, which focuses on how to know what type and how much insulation is needed; *Heating*, which is about the various kinds of heating systems and how to select a system; *Selecting Windows*, which explains window options and energy savings by selecting wisely; and *Moisture Condensation*, which discusses how to keep moisture from making a home chilly and prone to water damage. A free publications catalog is available upon request. A complete set of 27 booklets is available for instructors and home owners. Bulk rates are available. **126**

**U.S. Department of Agriculture
Natural Resources Conservation Service (NRCS)**

Conservation Communications Staff

P.O. Box 2890

Washington, DC 20013

(202) 720-3210

Fax: (202) 720-1564

Web: <http://nrcs.usda.gov>

Since 1935, NRCS, formerly the Soil Conservation Service, has been the nation's leading conservation agency working with private landowners who manage 70 percent of the land and 80 percent of the water resources in the United States.

Through its national system of county-level offices, NRCS provides technical natural resource conservation program assistance (e.g. Conservation Technical Assistance, Environmental Quality Incentives Program, and the Wetlands Reserve Program) to private landowners. NRCS works with all levels of government to address resource issues at the local to international levels and operates several programs (e.g. Soil Survey and Snow Survey and Water Supply Forecasting) that assist resource managers in their decision-making process. Natural resource conservation programs are designed to reduce pollution, improve soil and water quality, increase wildlife habitat and provide many other environmental benefits in an energy-efficient manner.

NRCS maintains working relationships with and assists numerous educational, youth, civic, environmental, and conservation organizations with their resource conservation issues and materials development. Limited quantities of free materials about natural resource conservation topics are available from NRCS. Many of these materials have been designed for the educational audience and are adaptable to fit educator's curricular needs. They include the Water Cycle: Nature's Recycling System poster, Your Hometown Clean Water Tour poster, Conquest of the Land Through 7,000 Years, What is a Watershed?, Buffers-Common Sense Conservation, Ponds-Planning Design, Construction (a technical document), plus the very popular Backyard Conservation booklet and related materials. In addition, by checking the Web at http://www.usda.gov.stream_restoration, you will be able to view Stream Corridor Restoration - Principles, Process and Practices, the state-of-the-art technical document on that topic.

Published soil surveys, normally prepared on a county-by-county basis, are available from your local NRCS office. Soil surveys provide detailed descriptions of local soils, their location, genesis, characteristics, and suggested best uses. To expedite contact with NRCS and to obtain the address and phone number of your local NRCS office, check your local telephone directly under U.S. Government, U.S. Department of Agriculture, Natural Resources Conservation Service. To order publications, including a Teacher's Packet, e-mail your request to landcare@swcs.org or telephone 1-888-LANDCARE. Please allow 10-15 days for receipt of the materials. Visit the NRCS web site to review materials and resources available through the agency's various institutes and centers.

**U.S. Department of Commerce
National Oceanic & Atmospheric Administration (NOAA)**
Office of Public and Constituent Affairs
14th & Constitution Avenue, N.W., Room 6013
Washington, DC 20230
(301) 713-1208
Web: <http://www.education.noaa.gov>

A Federal agency with programs to advance the Nation's science education goals by expanding and enhancing the scientific competence of all students, teachers, and the general public.

Provides information free of charge to students, teachers, librarians, and the general public about the earth's oceans and atmosphere including the topics of endangered marine mammals, severe and hazardous weather, El Niño/La Niña, NOAA weather radio, coastal management, civilian satellites, and global warming. Information about NOAA's educational programs, like the Teacher at Sea, is also available from this office. **128**

**U.S. Department of Education
ERIC Clearinghouse for Science, Mathematics,
and Environmental Education**
1929 Kenny Road
Columbus, OH 43210-1080
1-(800) 276-0462
(614) 292-6717
Fax: (614) 292-0263
E-Mail: ericse@osu.edu
Web: <http://www.ericse.org>

One of 16 ERIC clearinghouses, the ERIC Clearinghouse for Science, Mathematics, and Environmental Education (ERIC/CSMEE) develops, maintains, and makes accessible to the public the world's largest education-related database which includes over 850 items relating to energy education.

ERIC/CSMEE, sponsored by the National Library of Education, U.S. Department of Education, has as its primary function the acquisition and dissemination of printed materials related to science, mathematics, and environmental education. The information is indexed and abstracted for inclusion in two monthly publications, *Resources in Education (RIE)* and *Current Index to Journals in Education (CIJE)*. *RIE* provides abstracts for a variety of educational materials; *CIJE* announces journal literature. In addition to acquiring and processing documents and journal articles, the ERIC/CSMEE staff produces digests and other documents. Digests are short publications (one page, front and back) on a single topic. Other publications include yearbooks, source books, reviews of research, instructional activity collections on broad topics, and collections of papers presented at national

meetings. The Clearinghouse offers a variety of user services and maintains a full ERIC microfiche collection, *RIE* and *CIJE* reference collection, and a library collection of materials related to the scope areas. The Clearinghouse also provides a variety of electronic services on the Internet. The Clearinghouse World Wide Web server can be accessed at: <http://www.ericse.org>. **129**

U.S. Department of Education
Office of Educational Research and Improvement (OERI)
P.O. Box 1398
Jessup, MD 20794-1398
1-(877) 4ED-PUBS
Fax: (301) 470-1244
Web: <http://www.ed.gov>

Provides information about education research, statistics, publications, and data sets.

Publishes a series of *Helping Your Child* books for parents. Included are *Helping Your Child Learn Math* and *Helping Your Child Learn Science*. These are available in Spanish only. Other series topics include: *Reading, Using the Library, Get Ready for School* (in English). All are available for a nominal fee. To obtain ordering instructions for all of the *Helping Your Child* books, write to Helping Your Child List, ED PUBS, at the above address. For further information go to the ED PUBS on-line catalog at <http://www.ed.gov/pubs/edpubs.html>. **130**

U.S. Department of Energy
Argonne National Laboratory
Division of Educational Programs
9700 South Cass Avenue
Argonne, IL 60439
(630) 252-4114
Fax: (630) 252-3193
E-Mail: hmyron@dep.anl.gov
Web: <http://www.dep.anl.gov>

A DOE-funded multi-purpose national laboratory providing programs to promote science careers and improve science education.

Provides three continuing programs for kindergarten through grade 12 teachers as follows: (1) The Argonne Community of Teachers, a local organization of teachers who have participated in Argonne programs in the past and who continue to work with the Laboratory to improve science education for schools in the Chicago area; (2) The Educational Networking Consortium (ENC) is a training and Internet access organization that attempts to train and connect Chicago area teachers to the

Internet using a collection of dial-in sites in collaboration with the Illinois State Board of Education; and (3) NEWTON, The Science Teachers Bulletin Board, offers a place where teachers and students can discuss education and ask questions of practicing scientists. The bulletin board can be reached by Telnet at newton.dep.anl.gov Web site for all three programs: <http://www.dep.anl.gov>. See section Science, Technology and Education – Precollege Programs. **131**

**U.S. Department of Energy
Bioenergy Feedstock Development Program**

Oak Ridge National Laboratory
P.O. Box 2008
Oak Ridge, TN 37831-6422
(865) 576-5132
Fax: (865) 576-8143
E-Mail: ehrenshaftar@ornl.gov
Web: <http://bioenergy.ornl.gov/bfdp>

A DOE-funded program that supports research, analysis, and communication activities to foster the development and adoption of alternative fuels.

Provides free information on biomass, specifically fast growing trees and grasses, for use as raw materials for conversion to transportation fuels and electricity. The information is in the form of fact sheets, reports, and bibliographies. A newsletter, *Energy Crops Forum*, is published periodically. In addition, a World Wide Web/Internet service, the Bioenergy Information Network, contains full text of many of the reports, newsletters, and fact sheets and provides pointers to other places with related materials. **132**

**U.S. Department of Energy
Bonneville Power Administration**

Community Education Program-KR
P.O. Box 3621
Portland, OR 97208-3621
(503) 230-5341
Fax: (503) 230-4576
E-Mail: pnevans@bpa.gov
Web: <http://www.bpa.gov>

Bonneville Power Administration (BPA) is both an electric utility and a Federal agency within DOE. Established in 1937, BPA markets electric power from Federal dams and other energy resources in the Pacific Northwest. BPA employs approximately 2,800 persons in Idaho, Montana, Oregon, and Washington. The majority work in the Portland-Vancouver metropolitan area headquarters and control center. BPA works with several business, school, and government agency partnerships. Many employees volunteer each year for various programs.

Participates in a variety of education programs in the BPA four-State service area. Various programs, which are available in some areas for teachers and students from primary school through high school, include math and science enhancements, hands-on learning, worksite mentoring and apprenticeships, competitions, environmental education, tutoring, and others. Educational materials loaned or given free of charge to teachers in BPA's service territory (Oregon, Washington, Idaho and Western Montana) include curricula, hands-on activities, and storybooks; posters; and videotapes. Topics covered are primarily electricity, energy conservation, and fish and wildlife. **133**

**U.S. Department of Energy
Carbon Dioxide Information Analysis Center (CDIAC)**

MS-6335, Building 1509
Oak Ridge National Laboratory
P.O. Box 2008
Oak Ridge, TN 37831-6335
(865) 574-0390
Fax: (865) 574-3645
E-Mail: cdiac@ornl.gov
Web: <http://cdiac.esd.ornl.gov/>

A DOE-funded program that provides information support to the international research, policy, and education communities for evaluation of issues related to climate change.

Provides data and information products that would be of value to users concerned with greenhouse effect and global climate change. Information materials suitable for middle and high school students include, but are not limited to, the newsletter, *CDIAC Communications* (<http://cdiac.esd.ornl.gov/newsletr/ccindex.html>), which describes CDIAC, DOE and other initiatives in global change research; *Trends Online: A Compendium of Data on Global Change* (<http://cdiac.esd.ornl.gov/trends/trends.htm>), a quick source of frequently requested data; *Glossary: Carbon Dioxide and Climate* (<http://cdiac.esd.ornl.gov/pns/glossary.html>) contains a glossary of CO₂-related terms and tables of information related to CO₂ and climate; and *Global Change Acronyms and Abbreviations* (<http://cdiac.esd.ornl.gov/pns/acronyms.html>), which provides a comprehensive listing of acronyms and abbreviations used in global change research, policy, and education settings. CDIAC also distributes a computer model on global energy - CO₂ emissions, *The IEA/ORAU Long-Term Global Energy CO₂ Model*, that is suitable for high school and college students. This computer model package utilizes variables to interactively produce CO₂ and CH₄ emission scenarios for 1975 through 2100. A complete listing of CDIAC data and information products is available from the web site or in CDIAC's *Catalog of Databases and Reports* (<http://cdiac.esd.ornl.gov/epubs/catalog/index.htm>).

U.S. Department of Energy

Clean Cities Hotline

9300 Lee Highway
Fairfax, VA 22031
1-(800) CCITIES or (224-8437)
(703) 934-3068
Fax: (703) 934-3183
E-Mail: ccities@nrel.gov
Web: <http://www.ccities.doe.gov>

The Clean Cities Hotline, sponsored by DOE, provides information on the Clean Cities Program -- a voluntary and cooperative effort to promote alter-native-fuel vehicles.

Provides implementation and technical information on the DOE's Clean Cities Program. Helps communities convert to alternative-fuel vehicles through coordination planning. Also provides general information on the Clean Cities Program, lists of involved cities and participants, as well as technical and regulatory information of use to Clean Cities, such as funding for alternative-fuel vehicles and information on the Clean Air Act and Energy Policy Act. Remains in direct contact with the Clean Cities Program Directors, DOE regional offices, and involved Clean Cities. The Hotline is available between 9 a.m. and 6 p.m., Eastern standard time. The toll-free 800 number is available to callers in the United States only. **135**

U.S. Department of Energy

Energy Efficiency and Renewable Energy Clearinghouse (EREC)

P.O. Box 3048
Merrifield, VA 22116
1-(800) DOE-EREC or (363-3732)
Fax: (703) 893-0400
E-Mail: doe.erec@nciinc.com
Web: <http://www.eren.nrel.gov>

A DOE-funded energy information service responding to public inquiries on the use of renewable energy and energy conservation.

Provides information on renewable energy and energy-efficient technologies to consumers, teachers, and students. Maintains lists of organizations that will supply educators with energy-related booklets, audio-visual materials, software, bibliographies, project contacts, kits, and equipment. Publications suitable for primary school and secondary school students are available. Teachers and librarians may request activity lists, bibliographies, and background materials. Publications are free. **136**

U.S. Department of Energy
Los Alamos National Laboratory
Science Education Program Office
P.O. Box 1663
MS M709
Los Alamos, NM 87545
(505) 667-8680
Fax: (505) 665-6871
E-Mail: steinhaus@lanl.gov
Web: <http://www.education.lanl.gov>

A DOE-funded national laboratory.

Los Alamos National Laboratory offers 23 elementary through university level educational programs for students, teachers, and the public. They include teacher programs, students programs, internships and postdoctoral appointments. Topics include: educational technology, curriculum and resources, public understanding of science and diversity programs. Some programs are national in scope, while others are regional or local. Each of the programs is described on our Web site listed above.

Available products include: (1) *Science at Home*, a book of science experimental activities for elementary and middle school students and parents to complete together using commonly available materials; (2) Risks, Rewards and Responsibilities, a curriculum module for high school teachers that uses the subject of radiation to look at the broader issue of risk assessment; and (3) *Hydrogen and the Materials of a Sustainable Energy Future*, a notebook of experiments and demonstrations for teachers that were presented at the National Educator's Workshop: UPDATE 96; (4) *Model Nets*, a National Study of Computer Networking in K-12 Education and *Model Nets Guide*, a guide to implementing networking technology in K-12 education. Other materials may be available from time to time, and are announced on the Web site. **137**

U.S. Department of Energy
National Alternative Fuels Hotline
9300 Lee Highway
Fairfax, VA 22031
1-(800) 423-1DOE or (423-1363)
(703) 934-3069
Fax: (703) 934-3183
E-Mail: hotline@afdc.nrel.gov
Web: <http://www.afdc.doe.gov>

The National Alternative Fuels Hotline (NAFH) is sponsored by DOE to assist the general public and interested organizations in improving their understanding about alternative transportation fuels.

Provides information on vehicle conversion technology, refueling station locations, and Federal alternative fuel programs. Free publications and data are available on alternative fuel technology, legislative and regulatory changes, and other issues concerning the alternative transportation fuel industry. In addition, NAFH works directly with the National Renewable Energy Laboratory's Alternative Fuel Data Center (AFDC). Data on vehicle emissions, performance, fuel economy, maintenance, and more are available through the AFDC. For more on alternative fuels and the AFDC, call NAFH's toll free number. **138**

**U.S. Department of Energy
National Energy Information Center (NEIC)**

Energy Information Administration
1000 Independence Avenue, S.W.
EI-30 - Room 1E-238
Washington, DC 20585
(202) 586-8800
Fax: (202) 586-0727
E-Mail: infoctr@eia.doe.gov
Web: <http://www.eia.doe.gov>

NEIC is the dissemination service of DOE's Energy Information Administration, which is responsible for developing energy data, analyses, and forecasts that help enhance public understanding of energy issues.

Available free of charge is the *Energy INFOcard*, a quick reference providing the most recent annual domestic and international energy data; *Energy Education Resources: Kindergarten through 12th Grade*; and a series of primers on topical energy subjects: propane prices, residential heating oil prices, residential natural gas prices, gasoline prices, greenhouse gases, global climate change, and the restructuring of the electric power industry. All products are available on EIA's World Wide Web site, which also features the EIA Kid's Page (www.eia.doe.gov/kids/); hundreds of links to other energy-related sites; an E-Mail subscription and notification service for EIA press releases and a series of energy watches, synopses, summaries, and briefs; an energy quiz; an energy calendar listing schedules for future EIA publications and other energy events; and EIA publications and data bases covering the various energy sources. **139**

**U.S. Department of Energy
National Energy Technology Laboratory**

P.O. Box 10940
Pittsburgh, PA 15236-0940
(412) 386-5034
Fax: (412) 386-4810
E-Mail: rjones@netl.doe.gov
Web: <http://www.netl.doe.gov>

P.O. Box 880
Morgantown, WV 26507-0880
(304) 285-4348
Fax: (304) 285-4403
E-Mail: jcyzic@netl.doe.gov
Web: <http://www.netl.doe.gov>

A Federal fossil energy research facility.

The National Energy Technology Laboratory (NETL) is one of the U.S. Department of Energy's major field organizations. NETL has two sites; one in Pittsburgh, PA and one in Morgantown, WV. NETL provides science-related educational kits, videos, and resource materials to local elementary schools. Check the above Web site for ordering information. NETL sponsors the West Virginia Regional Science Bowl and the Southwestern Pennsylvania Regional Science Bowl. Approximately ten science teachers spend four weeks at NETL learning about its research programs. The teachers in cooperation with the NETL staff, prepare lesson plans describing the research for use in science classes. NETL sponsors two-day multidisciplinary seminars covering energy and the environment. Check the above Web site for dates and registration. NETL scientists and engineers serve as math/science resource volunteers, teacher consultants, classroom lecturers, demonstrators or research advisors to teachers and students. **140**

**U.S. Department of Energy
National Low Level Waste Management Program**

EM-35/Cloverleaf
Office of Environmental Management
19901 Germantown Road
Germantown, MD 20874-1290
(301) 903-7177
Fax: (301) 903-7451

A Federal program providing both general and special technical assistance to States and regions to establish an effective nationwide system for the disposal of commercial low level radioactive waste.

Provides general information on low level radioactive waste management through short fact sheets, a booklet with answers to frequently asked questions on low level radioactive waste disposal, and brochures on what constitutes commercial low level waste; concepts for disposal of low level waste; and low level radioactive waste basics. **141**

U.S. Department of Energy
National Renewable Energy Laboratory
Science and Technology Education Programs
1617 Cole Boulevard, MS 1713
Golden, CO 80401
(303) 275-3044
Fax: (303) 275-3076
Web: <http://www.nrel.gov>
<http://www.nrel.gov/education>

A DOE-funded national laboratory specializing in renewable energy and energy efficiency research and technologies.

Supports kindergarten through grade 12 science education and undergraduate research focusing on energy efficiency and renewable energy. Manages and supports numerous local and national science programs for both students and teachers, including the Junior Solar Sprint, a program for students in grades 6 through 8 to design and build a model solar car and a summer research participation program for 7th through 12th grade teachers. Is also a resource for teachers and students looking for information, project ideas, lessons and reference materials on renewable energy and energy efficiency topics. **142**

U.S. Department of Energy
Office of Civilian Radioactive Waste Management
National Information Center
600 Maryland Avenue, S.W., Suite 695
Washington, DC 20024
1-(800) 225-NWPA
(202) 488-6720
Fax: (202) 488-6721
Web: <http://www.rw.doe.gov>

A Federal program established to manage and dispose of the Nation's spent nuclear fuel and high level radioactive waste.

Furnishes a curriculum, *Science, Society, and America's Nuclear Waste*, to educators free of charge. The four-unit curriculum, designed for use in grades 8 through 12, contains materials for both students and teachers. Student materials include readings, review exercises, and activities. For teachers, supplemental teaching aids include video tapes, computer software, and viewgraphs. Also available is general information on the Civilian Radioactive Waste Management Program, including fact sheets, brochures, video tapes, and a semi-annual newsletter. All publications and video tapes are free upon request. **143**

**U.S. Department of Energy
Office of Nuclear Energy, Science and Technology**

19901 Germantown Road
Germantown, MD 20874
(301) 903-1633
Fax: (301) 903-7020
E-Mail: lyn.alperstein@hq.doe.gov
Web: <http://www.ne.doe.gov>

Public Information Office for the Office of Nuclear Energy, Science and Technology. Responds to public inquiries about the commercial nuclear energy industry and DOE's nuclear research and development programs.

Offers energy educational materials, including historical and current factual data on nuclear energy. Pamphlets discuss such issues as the nuclear fuel cycle and civilian uses of nuclear energy. Available publications include: *The History of Nuclear Energy*, *Atoms to Electricity*, *The Harnessed Atom*, both a student and teacher version for grades 7 through 9, and several others. Also provides a booklet listing nuclear power plants, with operating data, and an education video tape on nuclear power. All publications are free. **144**

**U.S. Department of Energy
Office of Scientific and Technical Information (OSTI)**

P.O. Box 62
Oak Ridge, TN 37831
(865) 576-8401
Fax: (865) 576-2865
Web: <http://www.osti.gov>

DOE OSTI collects, preserves, and disseminates the scientific and technical information resulting from the Department of Energy's research and development and environmental programs. The scientific and technical information produced through DOE and its predecessor agencies includes the bulk of recorded knowledge about nuclear energy and much about other forms of energy. OSTI also acquires domestic and international information through partnerships with U.S. agencies and over 110 countries and international organizations.

OSTI provides access to energy information primarily through online systems. Energy files (www.osti.gov/EnergyFiles) contains over 500 collections of energy-related information as well as tools to facilitate locating and using its resources. The DOE Information Bridge (www.osti.gov/bridge) provides access to over 60,000 fully-searchable full-text documents reporting the results of DOE-sponsored research. The PrePrint Network (www.osti.gov/preprint) provides access to over 1400 web sites and databases containing manuscripts, papers, and other unpublished scientific documents. OSTI's entire line of electronic products may be accessed through its home page at (www.osti.gov). Both of these systems are made available to the public at no charge to the end user. **145**

**U.S. Department of Energy
Pacific Northwest National Laboratory**
University and Science Education Programs
P.O. Box 999, Mail Stop K1-22
Richland, WA 99352
(509) 375-2800
Fax: (509) 375-2576
Web: <http://www.pnl.gov/education>

A DOE-funded multi-program national laboratory. Pacific Northwest National Laboratory (PNNL), puts science and technology to work to solve energy and environmental problems. PNNL focuses on research and development related to waste management, environmental restoration, global environmental change, energy, and national security.

Offers a variety of university and science programs that integrate research and education and support science education reform. Our education partnerships connect the human and technical resources of the Laboratory with students and teachers in elementary, middle, and high schools; technical/community colleges; and students and faculty at the university undergraduate and graduate levels. Provides opportunities for students and faculty to:

- ! participate in hands-on science and technology research as it is conducted in a research laboratory;
- ! participate in projects that investigate scientific and technological challenges;
- ! update technical skills and understanding as well as renew enthusiasm for chosen scientific or engineering research;
- ! work with Laboratory scientists and engineers in an interdisciplinary team environment; and
- ! use state-of-the-art equipment not commonly found in most schools or colleges/universities

146

**U.S. Department of Energy
Western Area Power Administration**
P.O. Box 3402
Golden, CO 80401
(720) 962-7423
Fax: (720) 962-7427
E-Mail: manion@wapa.gov
Web: <http://www.es.wapa.gov>

A DOE power marketing administration encompassing all or parts of 15 western States.

Provides contact points with WAPA's customers regarding on-going energy educational efforts on conservation and renewable energy for students from kindergarten through grade 12. For information, call the Energy Services Manager in any of the following cities: Billings, Montana, (406) 247-7392 or e-mail to noenniz@wapa.gov; Loveland, Colorado, (970) 490-7227 or e-mail to plute@wapa.gov; Phoenix, Arizona, (602) 352-2462 or e-mail to szarka@wapa.gov; Sacramento, California, (916) 353-4490 or e-mail to parkins@wapa.gov; and Salt Lake City, Utah, (801) 524-5506 or e-mail to bennion@wapa.gov. **147**

**U.S. Department of the Interior
Bureau of Land Management (BLM)**

1849 C Street, N.W.
Washington, DC 20240
(202) 452-0378 (Minerals Outreach Coordinator)
(202) 452-5078 (Environmental Education)
Fax: (202) 452-0399
Web: <http://www.blm.gov/>

A regulatory agency responsible for the management of a wide variety of resources on public lands. These resources include wildlife habitat, recreational values, cultural and historic sites, scenic, and wilderness areas as well as more than 60 types of minerals produced from public lands.

Provides materials on energy and mineral resources found on Government-owned land. BLM has an active program for presentation of energy and minerals sciences, especially as they relate to the public lands. Exhibits may be arranged for professional functions or fairs. Presentations at local schools or youth gatherings can be arranged through any BLM office or through the Minerals Outreach Coordinator in Washington, DC. Demonstration areas showing preservation and reclamation techniques may be used as field trips for students. Also offers several videos on preservation of ecosystems and reclamation. Pamphlets, brochures, maps, fact sheets, environmental studies, and statistical summaries are available free upon request or for a minimal charge. BLM is also active in the preservation of old mining towns, and tours of these "ghost towns" may be arranged. BLM also has management responsibility for the Nation's newest national monument in Utah, the Grand-Staircase-Escalante. **148**

**U.S. Department of the Interior
Minerals Management Service (MMS)**

Office of Public Affairs
1849 C Street, N.W.
Washington, DC 20240
(202) 208-3985
Fax: (202) 208-3968 or (202) 208-3918
E-Mail: nicolette.humphries@mms.gov
Web: <http://www.mms.gov>

MMS is the regulatory agency responsible for managing the Nation's oil, natural gas, sand, gravel and other mineral resources on the Outer Continental Shelf, while balancing the need for the development of these resources with the protection of the coastal, marine and human environments. MMS is also responsible for the collection and distribution of revenues over \$4 billion annually from leasing and production of mineral resources from the Outer Continental Shelf and onshore Federal and Indian lands.

Provides informational materials on gas, oil, mineral, and environmental resources in the ocean. Available materials include color posters, brochures, fact sheets, statistical summaries, technical reports, newsletters, environmental studies, and professional papers. Most material is free upon request and/or available directly from the MMS Web site above. Most information is suitable for upper grade levels. Offices in Washington, DC; New Orleans, Louisiana; Camarillo, California; and Anchorage, Alaska, can arrange for presentations at local schools on the work conducted at MMS and on geology, environmental science, engineering, resource management, international activities, and related topics. MMS professionals have worked with schools to develop their energy and environmental resources curricula and comprehensive teacher's guides are available. Call or write to the above address or check out the MMS Web site for information. **149**

**U.S. Department of the Interior
Office of Surface Mining Reclamation
& Enforcement (OSMRE)**

SIB-262
1951 Constitution Avenue, N.W.
Washington, DC 20240
(202) 208-2719
Fax: (202) 501-0549
E-Mail: getinfo@osmre.gov
Web: <http://www.osmre.gov>

A regulatory agency responsible for protecting the environment during surface coal mining to insure the land is reclaimed afterward. OSMRE is also responsible for the reclamation of abandoned mine lands.

Provides materials on surface coal mining regulation and reclamation of active and abandoned coal mine land. OSMRE has an active program for presentation of award winning reclamation sites, reforestation programs, and the Appalachian Clean Streams Initiative (ACSI). The ACSI program also sponsors summer interns to work local watershed projects. Ten college students working in five States throughout the Appalachian region pioneered the OSMRE's Summer Watershed Intern Program during the summer of 1999. Each intern was sponsored and hosted by a local watershed group working on acid mine drainage, the cause of the dead, orange-tinted streams in America's historic coal regions. Their stories are some of the remarkable products of a new OSMRE watershed assistance initiative aimed at helping local communities deal with one of the largest watershed environmental problems in Appalachia.

OSMRE signed Cooperative Agreements with each watershed nonprofit group, providing stipends and some expenses for the interns. OSMRE also set standards for interns and worked with each watershed group and each of the state coordinators for the OSMRE Clean Streams projects to define individual summer projects that would leave the watershed group stronger, the watershed cleaner and the intern better educated. This program will continue in the upcoming years, including possible financial support from other agencies such as EPA. More local partnerships will be sought to assist watershed groups in recruiting candidates and working with these groups to make sure that the summer projects selected are the best that can be offered. By linking solid academic content, real watershed achievement, local leadership and participation, and multiple federal agency support, the Summer Watershed Internship brings effective help to the groups that lead the fight, if the orange streams of Appalachia are to run clean. OSMRE also offers several videos on reclamation, summer interns and the clean streams programs. Pamphlets, brochures, posters, book marks, fact sheets and a teacher resource packet are available free of charge. They can be ordered through the above web site, or the above e-mail, or by contacting OSMRE directly at the above phone number. **150**

U.S. Environmental Protection Agency (EPA)

Information Resources Center, 3404
401 M Street, S.W.
Washington, DC 20460
(202) 260-5922
Fax: (202) 260-6257
E-Mail: public-access@epamail.epa.gov
Web: <http://www.epa.gov>

Information Resources Center for EPA. Responds to public inquiries about environmental issues and EPA programs. Also serves as the main referral point for the Agency.

Provides limited free material on drinking water, air quality, pesticides, radon, indoor air, Superfund, wetlands, and other environmental topics, to walk-in visitors. Will order documents to be mailed directly to callers. **151**

U.S. Federal Consumer Information Center

Pueblo, CO 81009

(719) 948-4000

Fax: (719) 948-9724

E-Mail: catalog.pueblo@gsa.govWeb: <http://www.pueblo.gsa.gov>**Helps Federal agencies develop, promote, and distribute consumer information to the public through the *Consumer Information Catalog* and web site.**

The Federal Consumer Information Center (FCIC) offers the free, quarterly *Consumer Information Catalog*, which contains listings of over 200 free and low-cost Federal consumer publications on topics such as health, energy conservation, Federal benefits, money management, housing, employment, small business, education, food and nutrition, and more. A free copy of the catalog is available by writing to Free Catalog, Pueblo, CO 81009. Bulk copies are available to schools and nonprofit groups able to distribute 10 or more copies.

On the above award-winning web site, you can read, print out, or save the current *Catalog* and the full text of all the publications listed in it. You can also find great information on a wide range of subjects you are interested in. Find out about the latest product recalls and scams on the Scams and Recalls pages. Additional features include updates of consumer news and notes from various Federal agencies, and a calendar of consumer-related events.

Also available from the Center is the *2001 Consumer Action Handbook* (formerly the Consumer's Resource Handbook). The *Handbook* offers tips on topics such as buying and leasing cars, protecting your privacy and yourself from fraud, and shopping from home. Also includes a sample complaint form that you can use as a guide for your own letter, fax or e-mail. The *Handbook* offers thousands of names, addresses, phone numbers and e-mail addresses for Better Business Bureaus, corporate consumer contacts and state, county and city government consumer protection offices. You can access the web edition of the *Handbook* instantly at the above web site and use the links provided to register your complaint directly.

In addition, FCIC offers Lista de publicaciones Federales en español Para El Consumidor, which lists nearly 250 free Spanish publications available from various Federal agencies.

Videodiscovery, Inc.

1700 Westlake Avenue N., Suite 600
Seattle, WA 98109-3012
1-(800) 548-3472
(206) 285-5400
Fax: (206) 285-9245
E-Mail: djclark@videodiscovery.com
Web: <http://www.videodiscovery.com>

An educational software publisher.

Developer and publisher of multimedia programs for kindergarten through college-level science education. Specifically, the company publishes interactive science videodiscs, CD-ROMs, and computer software, such as *STS Science Forums*; *Understanding Earth*; *Chemistry at Work*; *Science Sleuths*; and *Physics at Work*. The company is dedicated to improving science instruction through the advancement of educational technologies. A free catalog of products is available upon request. **153**

Water Environment Federation

601 Wythe Street
Alexandria, VA 22314-1994
1-(800) 666-0206
(703) 684-2400
Fax: (703) 684-2492
E-Mail: public_education@wef.org
Web: <http://www.wef.org>

A not-for-profit technical and educational group of water quality experts with more than 40,000 members located in all 50 States and around the world.

Publishes *The Water Sourcebook*, with over 60 hands-on classroom activities; the *Water Environment Curriculum Program*, including units on wastewater (also available in Spanish), surface water, groundwater (also available in Spanish) and water conservation. Many of the water quality experts act as classroom resources through the WEF Adopt-A-School program. Local members choose to "adopt" schools by providing guest speakers, presentations, and tours of water treatment plants, plus videos and other special resources. **154**

Waverly Light and Power

1002 Adams Parkway
P.O. Box 329
Waverly, IA 50677
(319) 352-6251
Fax: (319) 352-6254
Web: <http://www.waverlyia.com>

A municipal utility serving electric needs of the community.

Provides educational services free to educators **within its service territory**. Services include generating plant tours, classroom presentations, and purchased reference materials for kindergarten through grade 12. **155**

Westinghouse Electric Company

Communications Department
P.O. Box 355, Bay 575
Pittsburgh, PA 15230-0355
(412) 374-6803
Fax: (412) 374-3272
E-Mail: kendrllm@westinghouse.com
Web: <http://www.westinghouse.com>

A company dedicated to providing high quality products, services, technology, systems, and management in nuclear energy.

Provides energy-related materials to all who are interested, especially to teachers and to students who will make our energy decisions in the future. One copy of each booklet is available free of charge. However, for larger quantities, there is a fee. Materials available are: a simulated uranium fuel pellet; *Electricity from Nuclear Energy*; *Nuclear Energy Glossary*; *Questions Kids Ask About Energy*, *Radiation Booklet*; and Component Illustrations (color prints). For more information, you may contact the Communications Department of the Westinghouse Electric Company. **156**

Wisconsin Public Service Corp.

600 N. Adams
P.O. Box 19002
Green Bay, WI 54307-9002
(920) 433-5543
Fax: (920) 433-5741
E-Mail: skummers@wpsr.com
Web: <http://wisconsinpublicservice.com>

Provides electricity, natural gas, and energy products to more than 400,000 customers in an 11,000 square-mile area of Northeast Wisconsin and Upper Michigan. In addition to our corporate headquarters in Green Bay, we operate fossil, nuclear, and hydroelectric generating plants and have 19 customer centers throughout our service territory.

Provides a wide array of FREE energy-related presentations, publications, and web links for kindergarten through grade 12 educators. The materials emphasize electric and gas safety, energy management, protecting the environment, and renewable energy. Some of the special features include teacher and student tours, scholarship information, career exploration opportunities, energy fairs, speaker's bureau, teacher workshops, and electric car demonstrations. Contact the above for a complete list of educational offerings. **157**

Women in Mining, Inc. (WIM)

P.O. Box 260246
Lakewood, CO 80226-0246
(303) 298-1535
Fax: (775) 623-0958
E-Mail: wim@womeninmining.org
Web: <http://www.womeninmining.org>

A nonprofit organization dedicated to educating students, teachers and the general public about the importance of minerals.

WIM's mission is accomplished through the distribution of hands-on classroom activities, games, and information and hands-on activities training in workshops geared to teachers of grades 4 through 9. Distribution is accomplished through booths at meetings, direct mailings, the Internet, and workshops. A list of workshops that WIM conducts is on the Internet. Links to other earth science sites of interest to teachers are maintained on the Internet. Teachers who do not have Internet access can request free educational packets from the WIM Education Foundation by sending their request on school letterhead indicating the grade(s) taught. **158**

Xcel Energy

Community Affairs Department

414 Nicollet Mall (RSQ-4)

Minneapolis, MN 55401

(612) 330-6677 workforce development

(612) 330-6538 Speakers Bureau

(612) 330-7976 energy safety demonstrations

(612) 330-5500 power plant tours

Fax: (612) 330-5878

E-Mail: lynda.forbes@xcelenergy.com

Web: <http://www.xcelenergy.com>

Xcel Energy, Minneapolis (formerly Northern States Power Company) serves 3 million electricity customers and approximately 1.5 million natural gas customers in 12 states including Arizona, Colorado, Kansas, Michigan, Minnesota, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Wisconsin, and Wyoming.

Xcel Energy provides services free to kindergarten through grade 12 educators in the **areas served** by the former Northern States Power Company. Offers include visits to two nuclear plant training centers and Minnesota's largest coal-fired plant; kindergarten through grade 6 energy and environmental education curricula; speakers bureau; and school-to-work initiatives.

SUBJECT INDEX

The subject index is arranged alphabetically by specific energy terminology. References are to the organization number, the number that follows each entry.

COAL

- American Coal Foundation, 6
- American Electric Power, 8
- American Geological Institute (AGI), 10
- California Energy Commission, 22
- Center for Energy and Economic Development, The (CEED), 24
- Channing L. Bete Publishing Co., Inc., 25
- Charles Edison Fund, 26
- City Public Service (CPS), 28
- City Utilities of Springfield, 29
- Educational Development Specialists, 40
- Educational Dividends, 42
- Energy Source Education Council, 41
- EnergyNet U.S., 43
- Enterprise for Education, Inc., 44
- GPU Energy, 55
- Illinois Department of Commerce & Community Affairs, 58
- JEA, 62
- Mineral Information Institute (MII), 69
- National Energy Education Development (NEED), 77
- National Energy Foundation (NEF), 78
- National Mining Association, 81
- National Network of Energy and Environmental Education Professionals, 82
- OG&E Electric Services, 97
- PPL Utilities, 103
- Railroad Commission of Texas, 108
- Reliant Energy HL&P, 109
- Science Screen Report, 114
- Science Service, 115
- U.S. Department of Energy
Argonne National Laboratory, 131
- U.S. Department of Energy
National Energy Information Center (NEIC), 139
- U.S. Department of Energy
National Energy Technology Laboratory, 140

U.S. Department of Energy
Office of Scientific and
Technical Information (OSTI),
145

U.S. Department of the Interior
Bureau of Land Management
(BLM), 148

Waverly Light and Power, 155

Wisconsin Public Service Corp.,
157

Xcel Energy, 159

ELECTRICITY

American Association for
Vocational Instructional Materials,
4

American Council for an Energy-
Efficient Economy, The (ACEEE),
7

American Electric Power, 8

American Nuclear Society, 11

American Public Power
Association, 14

California Energy Commission, 22

Center for Energy and Economic
Development, The (CEED), 24

Channing L. Bete Publishing Co.,
Inc., 25

Charles Edison Fund, 26

City Public Service (CPS), 28

City Utilities of Springfield, 29

Constellation Energy Group, 31

Creative Teaching Press, 34

Culver Company, 33

Disney Educational Productions,
36

Edison Electric Institute (EEI), 39

Educational Development
Specialists, 40

Educational Dividends, 42

Energy Source Education Council,
41

EnergyNet U.S., 43

Enterprise for Education, Inc., 44

EV Media, 46

Florida Power & Light Company,
48

Frey Educational Resources, 51

Geothermal Education Office, 54

GPU Energy, 55

Hawaiian Electric Company, Inc.,
56

Illinois Department of Commerce
& Community Affairs, 58

Institute for Chemical Education
(ICE), 60

JEA, 62

Johnson Controls, Inc., 63

Kissimmee Utility Authority
(KUA), 66

Learning Works, The, 67

Mineral Information Institute (MII), 69

National Energy Education Development (NEED), 77

National Energy Foundation (NEF), 78

National Network of Energy and Environmental Education Professionals, 82

National Rural Electric Cooperative Association, 84

National Science Resources Center (NSRC), 85

National Science Teachers Association, 86

Northeast Sustainable Energy Association (NESEA), 93

Northeast Utilities, 94

OG&E Electric Services, 97

Omaha Public Power District, 101

PPL Utilities, 103

Reliant Energy HL&P, 109

Science Screen Report, 114

Science Service, 115

Society of Automotive Engineers, 118

U.S. Department of Energy Argonne National Laboratory, 131

U.S. Department of Energy Bonneville Power Administration, 133

U.S. Department of Energy Clean Cities Hotline, 135

U.S. Department of Energy Energy Efficiency and Renewable Energy Clearinghouse (EREC), 136

U.S. Department of Energy National Alternative Fuels Hotline, 138

U.S. Department of Energy National Energy Information Center (NEIC), 139

U.S. Department of Energy National Energy Technology Laboratory, 140

U.S. Department of Energy National Renewable Energy Laboratory, 142

U.S. Department of Energy Office of Nuclear Energy, Science and Technology, 144

U.S. Department of Energy Office of Scientific and Technical Information (OSTI) 145

U.S. Department of Energy Western Area Power Administration, 147

U.S. Federal Consumer Information Center, 152

Union of Concerned Scientists, 124

Videodiscovery, Inc., 153

Waverly Light and Power, 155
Westinghouse Electric, 156
Wisconsin Public Service Corp.,
157
Xcel Energy, 159

ENERGY
EFFICIENCY/ENERGY
CONSERVATION

Air & Waste Management
Association (A&WMA), 1
Alliance to Save Energy, The, 2
American Council for an Energy-
Efficient Economy, The (ACEEE),
7
American Electric Power, 8
American Forest Foundation, 9
American Geological Institute
(AGI), 10
American Nuclear Society, 11
American Plastics Council (APC),
13
American Public Power
Association, 14
Arizona Department of Commerce
Energy Office, 17
Aseptic Packaging Council, 18
BP Amoco p.l.c., 19
Bullfrog Films, 21
California Energy Commission, 22

Channing L. Bete Publishing Co.,
Inc., 25
Charles Edison Fund, 26
City Public Service (CPS), 28
City Utilities of Springfield, 29
Constellation Energy Group, 31
Creative Teaching Press, 34
Culver Company, 33
Disney Educational Productions,
36
E2: Environment & Education, 37
Educational Development
Specialists, 40
Educational Dividends, 42
Energy Source Education Council,
41
EnergyNet U.S., 43
Enterprise for Education, Inc., 44
Environmental Hazards
Management Institute (EHMI), 45
EV Media, 46
Film and Bag Federation, 47
Florida Solar Energy Center
(FSEC), 49
General Atomics Sciences
Education Foundation, 53
Geothermal Education Office, 54
GPU Energy, 55

Hawaiian Electric Company, Inc., 56	Nuclear Energy Institute, 95
Honolulu Clean Cities, 57	OG&E Electric Services, 97
JEA, 62	Ohio Energy Project (OEP), 98
Johnson Controls, Inc., 63	Pacific Gas & Electric Company, 102
Kissimmee Utility Authority (KUA), 66	PPL Utilities, 103
Learning Works, The, 67	Radon Group, Ltd., The, 107
Midwest Renewable Energy Association, 68	Reliant Energy HL&P, 109
Mineral Information Institute (MII), 69	Renew America, 110
Minnesota Department of Commerce-Energy Division, 70	Renewable Energy Policy Project (REPP) and Center for Renewable Energy and Sustainable Technology (CREST), 112
National Council on Economic Education, 76	Safe Energy Communication Council, 113
National Energy Education Development (NEED), 77	Science Screen Report, 114
National Energy Foundation (NEF), 78	Science Service, 115
National Network of Energy and Environmental Education Professionals, 82	Society of Automotive Engineers, 118
National Science Resources Center (NSRC), 85	Solar Now, Inc., 120
National Science Teachers Association, 86	Troll School and Library, 123
North Carolina Solar Center, 92	U.S. Department of Agriculture Natural Resources Conservation Services (NRCS), 127
Northeast Sustainable Energy Association (NESEA), 93	U.S. Department of Energy Bioenergy Feedstock Development Program, 132
Northeast Utilities, 94	U.S. Department of Energy Bonneville Power Administration, 133

U.S. Department of Energy
Clean Cities Hotline, 135

U.S. Department of Energy
Energy Efficiency and
Renewable Energy
Clearinghouse (EREC), 136

U.S. Department of Energy
Los Alamos National
Laboratory, 137

U.S. Department of Energy
National Alternative Fuels
Hotline, 138

U.S. Department of Energy
National Energy Technology
Laboratory, 140

U.S. Department of Energy
National Renewable Energy
Laboratory, 142

U.S. Department of Energy
Office of Scientific and
Technical Information (OSTI),
145

U.S. Department of Energy
Pacific Northwest National
Laboratory, 146

U.S. Department of Energy
Western Area Power
Administration, 147

U.S. Federal Consumer
Information Center, 152

University of Florida, 125

University of Illinois at Urbana-
Champaign, 126

Videodiscovery, Inc., 153

Waverly Light and Power, 155

Wisconsin Public Service Corp.,
157

Xcel Energy, 159

ENVIRONMENT

Air & Waste Management
Association (A&WMA), 1

Aluminum Association, Inc., The,
3

American Council for an Energy-
Efficient Economy, The (ACEEE),
7

American Electric Power, 8

American Forest Foundation, 9

American Geological Institute
(AGI), 10

American Nuclear Society, 11

American Wind Energy
Association, 16

Arizona Department of Commerce
Energy Office, 17

Aseptic Packaging Council, 18

Bronx Zoo/Wildlife Conservation
Park, 20

Bullfrog Films, 21

California Energy Commission, 22

Center for Energy and Economic
Development, The (CEED), 24

Channing L. Bete Publishing Co.,
Inc., 25

Charles Edison Fund, 26

Cobblestone Publishing Company, 30

Constellation Energy Group, 31

Consumer Aerosol Products Council, The, 32

Creative Teaching Press, 34

Culver Company, 33

Denver Earth Science Project, 35

Disney Educational Productions, 36

E2: Environment & Education, 37

Earth Foundation, 38

Educational Development Specialists, 40

Educational Dividends, 42

EnergyNet U.S., 43

Enterprise for Education, Inc., 44

Environmental Hazards Management Institute (EHMI), 45

EV Media, 46

Film and Bag Federation, 47

Florida Solar Energy Center (FSEC), 49

Foodservice & Packaging Institute, Inc., 50

Frey Educational Resources, 51

Fuel Cells 2000, 52

General Atomics Sciences Education Foundation, 53

Geothermal Education Office, 54

GPU Energy, 55

Hawaiian Electric Company, Inc., 56

Honolulu Clean Cities, 57

Institute for Chemical Education (ICE), 60

Integrated Waste Services Association, 61

JEA, 62

Johnson Controls, Inc., 63

Keep America Beautiful, Inc., 64

Kids for a Clean Environment (Kids F.A.C.E.®), 65

Kissimmee Utility Authority (KUA), 66

Learning Works, The, 67

Midwest Renewable Energy Association, 68

Mineral Information Institute (MII), 69

National Arbor Day Foundation, 72

National Cotton Council of America, 75

National Council on Economic Education, 76

National Energy Education Development (NEED), 77

National Energy Foundation (NEF), 78

National Geographic Society, 79

National Mining Association, 81

National Network of Energy and Environmental Education Professionals, 82

National Rural Electric Cooperative Association, 84

National Science Resources Center (NSRC), 85

National Wildlife Federation, 87

Natural Gas Supply Association (NGSA), 88

NoodleHead Network, The, 91

North Carolina Solar Center, 92

Northeast Sustainable Energy Association (NESEA), 93

Northeast Utilities, 94

Nuclear Information and Resource Service, 96

OG&E Electric Services, 97

Polystyrene Packaging Council, 104

PPL Utilities, 103

Procter & Gamble, 105

Propane Education & Research Council, 106

Radon Group, Ltd., The, 107

Railroad Commission of Texas, 108

Reliant Energy HL&P, 109

Renew America, 110

Renewable Energy Policy Project (REPP) and Center for Renewable Energy and Sustainable Technology (CREST), 112

Renewable Fuels Association, 111

Safe Energy Communication Council, 113

Science Screen Report, 114

Science Service, 115

Shell Oil Company, 116

Solar Now, Inc., 120

Steel Recycling Institute, 121

The Wilds, 122

Troll School and Library, 123

U.S. Department of Agriculture
Natural Resources
Conservation Services
(NRCS), 127

U.S. Department of Commerce
National Oceanic &
Atmospheric Administration
(NOAA), 128

U.S. Department of Education
ERIC Clearinghouse of
Science, Mathematics, and
Environmental Education, 129

- U.S. Department of Energy
Argonne National Laboratory,
131
- U.S. Department of Energy
Bonneville Power
Administration, 133
- U.S. Department of Energy
Carbon Dioxide Information
Analysis Center (CDIAC), 134
- U.S. Department of Energy
Energy Efficiency and
Renewable Energy
Clearinghouse (EREC), 136
- U.S. Department of Energy
Los Alamos National
Laboratory, 137
- U.S. Department of Energy
National Energy Information
Center (NEIC), 139
- U.S. Department of Energy
National Energy Technology
Laboratory, 140
- U.S. Department of Energy
National Low Level Waste
Management Program, 141
- U.S. Department of Energy
National Renewable Energy
Laboratory, 142
- U.S. Department of Energy
Office of Scientific and
Technical Information (OSTI),
145
- U.S. Department of Energy
Pacific Northwest National
Laboratory, 146
- U.S. Department of the Interior
Bureau of Land Management
(BLM), 148
- U.S. Department of the Interior
Minerals Management
Service (MMS), 149
- U.S. Department of the Interior
Office of Surface Mining
Reclamation & Enforcement
(OSMRE), 150
- U.S. Environmental Protection
Agency (EPA), 151
- U.S. Federal Consumer
Information Center, 152
- Union of Concerned Scientists,
124
- University of Florida, 125
- University of Illinois at Urbana-
Champaign, 126
- Videodiscovery, Inc., 153
- Water Environment Federation,
154
- Waverly Light and Power, 155
- Wisconsin Public Service Corp.,
157
- Xcel Energy, 159
- GEOSCIENCES/EARTH
SCIENCES**
- American Geological Institute
(AGI), 10

American Wind Energy Association, 16

BP Amoco p.l.c., 19

Bullfrog Films, 21

City Public Service (CPS), 28

Consumer Aerosol Products Council, The, 32

Creative Teaching Press, 34

Denver Earth Science Project, 35

Disney Educational Productions, 36

Educational Development Specialists, 40

Enterprise for Education, Inc., 44

Frey Educational Resources, 51

Geothermal Education Office, 54

GPU Energy, 55

Learning Works, The, 67

Mineral Information Institute (MI), 69

National Aeronautics and Space Administration (NASA), 71

National Council on Economic Education, 76

National Energy Education Development (NEED), 77

National Energy Foundation (NEF), 78

National Geographic Society, 79

National Network of Energy and Environmental Education Professionals, 82

National Science Teachers Association, 86

New York State Geological Survey/State Museum, 90

Northeast Sustainable Energy Association (NESEA), 93

OG&E Electric Services, 97

Oklahoma Energy Resources Board, 100

PPL Utilities, 103

Science Screen Report, 114

Science Service, 115

SME, 117

Troll School and Library, 123

U.S. Department of Commerce National Oceanic & Atmospheric Administration (NOAA), 128

U.S. Department of Education Office of Educational Research and Improvement (OERI), 130

U.S. Department of Energy Argonne National Laboratory, 131

U.S. Department of Energy Energy Efficiency and Renewable Energy Clearinghouse (EREC), 136

U.S. Department of Energy
Los Alamos National
Laboratory, 137

U.S. Department of Energy
National Energy Technology
Laboratory, 140

U.S. Department of Energy
Office of Scientific and
Technical Information (OSTI),
145

U.S. Department of Energy
Pacific Northwest National
Laboratory, 146

U.S. Department of the Interior
Minerals Management
Service (MMS), 149

U.S. Department of the Interior
Office of Surface Mining
Reclamation & Enforcement
(OSMRE), 150

Videodiscovery, Inc., 153

Waverly Light and Power, 155

Women in Mining, Inc., (WIM),
158

NATURAL GAS

American Geological Institute
(AGI), 10

American Petroleum Institute, 12

California Energy Commission, 22

Channing L. Bete Publishing Co.,
Inc., 25

City Public Service (CPS), 28

City Utilities of Springfield, 29

Constellation Energy Group, 31

Culver Company, 33

Denver Earth Science Project, 35

Educational Development
Specialists, 40

Educational Dividends, 42

Energy Source Education Council,
41

EnergyNet U.S., 43

Enterprise for Education, Inc., 44

Florida Power & Light Company,
48

GPU Energy, 55

Independent Petroleum
Association of America, 59

Kissimmee Utility Authority
(KUA), 66

National Energy Education
Development (NEED), 77

National Energy Foundation
(NEF), 78

National Network of Energy and
Environmental Education
Professionals, 82

National Propane Gas
Association, 83

Natural Gas Supply Association
(NGSA), 88

Natural Gas Vehicle Coalition, The,
89

Northeast Sustainable Energy Association (NESEA), 93

Northeast Utilities, 94

Ohio Oil & Gas Association, 99

Oklahoma Energy Resources Board, 100

PPL Utilities, 103

Propane Education & Research Council, 106

Railroad Commission of Texas, 108

Science Screen Report, 114

Science Service, 115

Shell Oil Company, 116

U.S. Department of Energy
Argonne National Laboratory, 131

U.S. Department of Energy
Clean Cities Hotline, 135

U.S. Department of Energy
National Alternative Fuels Hotline, 138

U.S. Department of Energy
National Energy Information Center (NEIC), 139

U.S. Department of Energy
Office of Scientific and Technical Information (OSTI), 145

U.S. Department of the Interior
Bureau of Land Management (BLM), 148

U.S. Department of the Interior
Minerals Management Service (MMS), 149

Wisconsin Public Service Corp., 157

NUCLEAR ENERGY

American Association for Vocational Instructional Materials, 4

American Chemical Society, 5

American Electric Power, 8

American Geological Institute (AGI), 10

American Nuclear Society, 11

Bullfrog Films, 21

California Energy Commission, 22

Charles Edison Fund, 26

City Public Service (CPS), 28

Constellation Energy Group, 31

Culver Company, 33

Denver Earth Science Project, 35

Educational Development Specialists, 40

Educational Dividends, 42

Energy Source Education Council, 41

EnergyNet U.S., 43

Enterprise for Education, Inc., 44

General Atomics Sciences
Education Foundation, 53

GPU Energy, 55

National Energy Education
Development (NEED), 77

National Energy Foundation
(NEF), 78

National Network of Energy and
Environmental Education
Professionals, 82

Northeast Utilities, 94

Nuclear Energy Institute, 95

Nuclear Information and Resource
Service, 96

PPL Utilities, 103

Radon Group, Ltd., The, 107

Safe Energy Communication
Council, 113

Science Screen Report, 114

Science Service, 115

U.S. Department of Energy
Argonne National Laboratory,
131

U.S. Department of Energy
Los Alamos National
Laboratory, 137

U.S. Department of Energy
National Energy Information
Center (NEIC), 139

U.S. Department of Energy
National Low Level Waste
Management Program, 141

U.S. Department of Energy
Office of Nuclear Energy,
Science and Technology, 144

U.S. Department of Energy
Office of Scientific and
Technical Information (OSTI),
145

Westinghouse Electric, 156

Wisconsin Public Service Corp.,
157

PETROLEUM

American Chemical Society, 5

American Forest Foundation, 9

American Geological Institute
(AGI), 10

American Petroleum Institute, 12

BP Amoco p.l.c., 19

California Energy Commission, 22

City Public Service (CPS), 28

Denver Earth Science Project, 35

Educational Development
Specialists, 40

Educational Dividends, 42

Energy Source Education Council,
41

EnergyNet U.S., 43
Enterprise for Education, Inc., 44
GPU Energy, 55
Independent Petroleum
Association of America, 59
National Energy Education
Development (NEED), 77
National Energy Foundation
(NEF), 78
National Network of Energy and
Environmental Education
Professionals, 82
National Propane Gas
Association, 83
Northeast Sustainable Energy
Association (NESEA), 93
Ohio Oil & Gas Association, 99
Oklahoma Energy Resources
Board, 100
PPL Utilities, 103
Propane Education & Research
Council, 106
Railroad Commission of Texas, 108
Safe Energy Communication
Council, 113
Science Screen Report, 114
Science Service, 115
Shell Oil Company, 116

U.S. Department of Energy
Argonne National Laboratory,
131
U.S. Department of Energy
National Energy Information
Center (NEIC), 139
U.S. Department of Energy
Office of Scientific and
Technical Information (OSTI),
145
U.S. Department of the Interior
Bureau of Land Management
(BLM), 148
U.S. Department of the Interior
Minerals Management
Service (MMS), 149

RECYCLING

Aluminum Association, Inc., The,
3
American Chemical Society, 5
American Forest Foundation, 9
American Plastics Council (APC),
13
Aseptic Packaging Council, 18
Bullfrog Films, 21
California Energy Commission, 22
California Foundation for
Agriculture in the Classroom, 23
Channing L. Bete Publishing Co.,
Inc., 25

Charles Edison Fund, 26	Keep America Beautiful, Inc., 64
Cobblestone Publishing Company, 30	Kids for a Clean Environment (Kids F.A.C.E.®), 65
Constellation Energy Group, 31	Learning Works, The, 67
Creative Teaching Press, 34	National Council on Economic Education, 76
Culver Company, 33	National Energy Education Development (NEED), 77
Disney Educational Productions, 36	National Energy Foundation (NEF), 78
E2: Environment & Education, 37	National Network of Energy and Environmental Education Professionals, 82
Educational Development Specialists, 40	National Science Resources Center (NSRC), 85
Educational Dividends, 42	National Science Teachers Association, 86
Energy Source Education Council, 41	NoodleHead Network, The, 91
EnergyNet U.S., 43	Northeast Sustainable Energy Association (NESEA), 93
Enterprise for Education, Inc., 44	OG&E Electric Services, 97
Environmental Hazards Management Institute (EHMI), 45	Ohio Energy Project (OEP), 98
Film and Bag Federation, 47	Procter & Gamble, 105
Foodservice & Packaging Institute, Inc., 50	Reliant Energy HL&P, 109
GPU Energy, 55	Renew America, 110
Hawaiian Electric Company, Inc., 56	Science Screen Report, 114
Honolulu Clean Cities, 57	Science Service, 115
Integrated Waste Services Association, 61	Society of Automotive Engineers, 118
Johnson Controls, Inc., 63	

Solar Now, Inc., 120

Steel Recycling Institute, 121

U.S. Department of Agriculture
Natural Resources
Conservation Services
(NRCS), 127

U.S. Department of Energy
Argonne National Laboratory,
131

U.S. Department of Energy
Energy Efficiency and
Renewable Energy
Clearinghouse (EREC), 136

U.S. Department of Energy
Office of Scientific and
Technical Information (OSTI),
145

U.S. Department of Energy
Pacific Northwest National
Laboratory, 146

U.S. Environmental Protection
Agency (EPA), 151

Xcel Energy, 159

RENEWABLE ENERGY

American Chemical Society, 5

American Council for an Energy-
Efficient Economy, The (ACEEE),
7

American Electric Power, 8

American Forest Foundation, 9

American Nuclear Society, 11

American Solar Energy Society, 15

American Wind Energy
Association, 16

Arizona Department of Commerce
Energy Office, 17

BP Amoco p.l.c., 19

Bullfrog Films, 21

California Energy Commission, 22

Charles Edison Fund, 26

City Public Service (CPS), 28

City Utilities of Springfield, 29

E2: Environment & Education, 37

Earth Foundation, 38

Educational Development
Specialists, 40

Educational Dividends, 42

Energy Source Education Council,
41

EnergyNet U.S., 43

Enterprise for Education, Inc., 44

Florida Solar Energy Center
(FSEC), 49

Fuel Cells 2000, 52

Geothermal Education Office, 54

GPU Energy, 55

Hawaiian Electric Company, Inc., 56	Reliant Energy HL&P, 109
Honolulu Clean Cities, 57	Renew America, 110
Independent Petroleum Association of America, 59	Renewable Energy Policy Project (REPP) and Center for Renewable Energy and Sustainable Technology (CREST), 112
Institute for Chemical Education (ICE), 60	Renewable Fuels Association, 111
Integrated Waste Services Association, 61	Safe Energy Communication Council, 113
Midwest Renewable Energy Association, 68	Science Screen Report, 114
National Corn Growers Association, 74	Science Service, 115
National Energy Education Development (NEED), 77	Shell Oil Company, 116
National Energy Foundation (NEF), 78	Solar Energy Industries Association, 119
National Hydropower Association, 80	Solar Now, Inc., 120
National Network of Energy and Environmental Education Professionals, 82	U.S. Department of Energy Argonne National Laboratory, 131
North Carolina Solar Center, 92	U.S. Department of Energy Bioenergy Feedstock Development Program, 132
Northeast Sustainable Energy Association (NESEA), 93	U.S. Department of Energy Clean Cities Hotline, 135
Northeast Utilities, 94	U.S. Department of Energy Energy Efficiency and Renewable Energy Clearinghouse (EREC), 136
Nuclear Energy Institute, 95	U.S. Department of Energy Los Alamos National Laboratory, 137
Nuclear Information and Resource Service, 96	U.S. Department of Energy National Alternative Fuels Hotline, 138
Ohio Energy Project (OEP), 98	
PPL Utilities, 103	

U.S. Department of Energy
National Energy Information
Center (NEIC), 139

U.S. Department of Energy
National Renewable Energy
Laboratory, 142

U.S. Department of Energy
Office of Scientific and
Technical Information (OSTI),
145

U.S. Department of Energy
Western Area Power
Administration, 147

U.S. Department of the Interior
Bureau of Land Management
(BLM), 148

U.S. Department of the Interior
Office of Surface Mining
Reclamation & Enforcement
(OSMRE), 150

U.S. Environmental Protection
Agency (EPA), 151

Union of Concerned Scientists,
124

Waverly Light and Power, 155

Wisconsin Public Service Corp.,
157

Bullfrog Films, 21

Channing L. Bete Publishing Co.,
Inc., 25

E2: Environment & Education, 37

Educational Development
Specialists, 40

Educational Dividends, 42

EnergyNet U.S., 43

Enterprise for Education, Inc., 44

Environmental Hazards
Management Institute (EHMI), 45

Film and Bag Federation, 47

Foodservice & Packaging
Institute, Inc., 50

Frey Educational Resources, 51

GPU Energy, 55

Integrated Waste Services
Association, 61

Keep America Beautiful, Inc., 64

National Council on Economic
Education, 76

National Energy Education
Development (NEED), 77

WASTE MANAGEMENT

American Chemical Society, 5

American Electric Power, 8

American Forest Foundation, 9

American Nuclear Society, 11

National Energy Foundation
(NEF), 78

National Network of Energy and
Environmental Education
Professionals, 82

National Science Teachers
Association, 86

Northeast Sustainable Energy Association (NESEA), 93

Nuclear Energy Institute, 95

Polystyrene Packaging Council, 104

Science Screen Report, 114

Science Service, 115

Steel Recycling Institute, 121

U.S. Department of Education
ERIC Clearinghouse of
Science, Mathematics, and
Environmental Education, 129

U.S. Department of Energy
Argonne National Laboratory,
131

U.S. Department of Energy
Energy Efficiency and
Renewable Energy
Clearinghouse (EREC), 136

U.S. Department of Energy
Los Alamos National
Laboratory, 137

U.S. Department of Energy
Office of Civilian Radioactive
Waste Management, 143

U.S. Department of Energy
Office of Scientific and
Technical Information (OSTI),
145

U.S. Environmental Protection
Agency (EPA), 151

Videodiscovery, Inc., 153

Water Environment Federation,
154

Xcel Energy, 159

WATER

American Chemical Society, 5

American Forest Foundation, 9

American Geological Institute
(AGI), 10

Bullfrog Films, 21

California Foundation for
Agriculture in the Classroom, 23

Channing L. Bete Publishing Co.,
Inc., 25

Charles Edison Fund, 26

Chlorine Chemistry Council, The
(CCC), 27

City Utilities of Springfield, 29

Cobblestone Publishing Company,
30

Creative Teaching Press, 34

Culver Company, 33

Denver Earth Science Project, 35

Disney Educational Productions,
36

E2: Environment & Education, 37

Educational Development
Specialists, 40

Educational Dividends, 42

EnergyNet U.S., 43

Environmental Hazards Management Institute (EHMI), 45

Frey Educational Resources, 51

Geothermal Education Office, 54

Institute for Chemical Education (ICE), 60

JEA, 62

Johnson Controls, Inc., 63

National Association of Conservation Districts (NACD), 73

National Energy Education Development (NEED), 77

National Energy Foundation (NEF), 78

National Hydropower Association, 80

National Network of Energy and Environmental Education Professionals, 82

National Science Teachers Association, 86

National Wildlife Federation, 87

Renew America, 110

Science Screen Report, 114

Science Service, 115

U.S. Department of Agriculture Natural Resources Conservation Services (NRCS), 127

U.S. Department of Commerce National Oceanic & Atmospheric Administration (NOAA), 128

U.S. Department of Education ERIC Clearinghouse of Science, Mathematics, and Environmental Education, 129

U.S. Department of Energy Argonne National Laboratory, 131

U.S. Department of Energy Office of Scientific and Technical Information (OSTI), 145

U.S. Department of the Interior Bureau of Land Management (BLM), 148

U.S. Department of the Interior Office of Surface Mining Reclamation & Enforcement (OSMRE), 150

U.S. Environmental Protection Agency (EPA), 151

Videodiscovery, Inc., 153

Water Environment Federation, 154

Xcel Energy, 159